E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Webster, Gary [SMTP:gwebster@kpmg.ca]
Cc:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Sent:	2012-07-11 at 3:42 PM
Received:	2012-07-11 at 3:42 PM
Subject:	Re: Lunch

Gary,

Well I am returning to my normal job and just getting going.

Had a discussion with Gary Dawson in mid-June and he provided an overview and followed up with an outline of the Due Diligence function TI Corp requests. He also described in general Thomas's involvement. As well Gary Dawson advised there would likely be follow up from yourself about the time you did.

This week and early next week are already scheduled so next week Wednesday or Thrusday or a little earlier on Friday would work as I have work in the Regional office to schedule as well so this would work. Regional work is also along the same lines.

Would any of these day work for you and Thomas and really any time could work.

Rodney

----- Original Message -----
From: Webster, Gary A [mailto:gwebster@kpmg.ca]
Sent: Wednesday, July 04, 2012 05:39 PM
To: Chapman, Rodney L TRAN:EX
Cc: Krikke, Thomas G
Subject: Lunch

Rodney

Next time you are in Vancouver can we get together for lunch. Would like to catch up generally and introduce Thomas Krikke who will be overseeing the claims for TICorp including gravel.

I know TICorp have discussed your continued due dilligence as we go forward

Gary

****
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****

E-mail Message

From:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
To:	Dawson, Garry TIC:EX [SMTP:gdawson@ticorp.ca]
Cc:	Webster, Gary [SMTP:gwebster@kpmg.ca], tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Sent:	2012-07-23 at 12:02 PM
Received:	2012-07-23 at 12:02 PM
Subject:	KF Claims. PMTCH

Garry,

Following up on our discussions and communications on June 14 and 21, 2012, I wanted to advise you that on July 19, 2012, Gary Webster, Thomas Krikke and myself had an introductory meeting to start the review of the overall claims management strategy and approach being implemented by TI Corp in resolving any claims or settlements with Kiewit Flatiron on the Port Mann Highway 1 Project (PMH1).

Given current schedules and vacations, we concurred that the next get together will be organized after Labour Day.

All in all a very good introduction and we will arrange in early September to schedule some time for more in depth briefings and engagement with the Claims Management Team at that time.

Trust this assists at this time.

Rodney Chapman
Director
Construction & Maintenance

-----Original Message-----
From: Garry Dawson [mailto:gdawson@ticorp.ca]
Sent: Thursday, June 21, 2012 11:38 AM
To: Chapman, Rodney L TRAN:EX
Cc: Webster, Gary
Subject: RE: KF Claims. PMTCH

Rodney,
To add more definition and clarity, I would categorize the request to be;

'Review the overall claims management strategy and approach being implemented by TI Corp in resolving any claims or settlements with Kiewit Flatiron on the Port Mann Highway 1 Project (PMH1) and provide advice/feedback to the Authority's Representative and VP Technical Services on such strategy and approach. The VP Technical Services will likely request additional support in reporting out on PMH1 claims management to the TI Corp CEO and Board of Directors. Involvement will require briefings and engagement with the Claims Management Team and Authority's Representative in order to access information necessary to complete this review.'

As an aside, I have copied Gary Webster who will be in contact to arrange an introductory meeting with our key people on the claims management team.

Any questions, feel free to contact me.

-----Original Message-----
From: Chapman, Rodney L TRAN:EX [mailto:Rodney.Chapman@gov.bc.ca]
Sent: Thursday, June 21, 2012 9:49 AM

To: Garry Dawson
Subject: KF Claims. PMTCH

Gary,

Purpose of this communication is to follow-up on our verbal discussion of June 14, 2012.

Your request is for an overview of the KF Claims on PMTCH with an outlook to eventually report out to the TI Corp Board.

It is acknowledged you are currently reviewing KF claims diligently and in due course will communicate with myself when TI Corp is in a position to be able to review progress to date and have a strategy or outlook on further claim assessment and management.

I will await further communication on this topic.

Rodney Chapman

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Krikke, Thomas G [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-08-27 at 4:26 PM
Received:	2012-08-27 at 4:26 PM
Subject:	RE: Follow up

Thomas,

I am now back and available. Schedule this week is open on Wednesday morning or anytime Thursday or Friday morning.

Sooner the better.

Rodney

-----Original Message-----
From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Wednesday, August 15, 2012 5:59 PM
To: Chapman, Rodney L TRAN:EX
Subject: Follow up

Hello Rodney: At your convenience, can we please arrange a follow up discussion on PMH1 issues. I am in Victoria Sep 10 for another one hour issue - unsure it should wait that long. s.22 Thanks, TK

****
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****

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Krikke, Thomas G [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-08-31 at 2:47 PM
Received:	2012-08-31 at 2:47 PM
Subject:	RE: Next Meeting - s.17 Seg 2

Thomas ,
Tuesday Sept 5 at 2:00pm to 4;00PM WOULD BE FINE.

Rodney
-----Original Message-----
From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Friday, August 31, 2012 1:22 PM
To: Chapman, Rodney L TRAN:EX
Subject: Next Meeting - s.1 Seg 2

Propose Tuesday (as Monday is a holiday) - morning or afternoon? TK

****
Any tax advice herein is based on the facts provided to us and on current tax law including judicial and administrative interpretation. Tax law is subject to continual change, at times on a retroactive basis and may result in incremental taxes, interest or penalties. Should the facts provided to us be incorrect or incomplete or should the law or its interpretation change, our advice may be inappropriate. We are not responsible for updating our advice for changes in law or interpretation after the date hereof. The advice or other information provided herein is confidential and may be privileged and is for the sole use of KPMG's client. The advice is based on the specific facts and circumstances and the scope of KPMG's engagement and associated terms of engagement as the case may be and is not intended to be relied upon by any other person. KPMG disclaims any responsibility or liability for any reliance that any person other than the client may place on this advice. If you are not the intended recipient, any disclosure, copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.
****

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Krikke, Thomas G [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-09-04 at 8:20 AM
Received:	2012-09-04 at 8:20 AM
Subject:	RE: Next Meeting - s.17 Seg 2

Thomas,

Txs.

Rodney

-----Original Message-----
From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Tuesday, September 4, 2012 8:12 AM
To: Chapman, Rodney L TRAN:EX
Subject: RE: Next Meeting - s.17 Seg 2

I will provide you a copy of the drawings at our 2pm today. TK

-----Original Message-----
From: Chapman, Rodney L TRAN:EX [mailto:Rodney.Chapman@gov.bc.ca]
Sent: Tuesday, September 04, 2012 8:10 AM
To: Krikke, Thomas G
Subject: RE: Next Meeting - s.17 Seg 2

Thomas,

In KFGP's Brown Pit Development Plan, how many berms and how high were they?

Txs,

Rodney

-----Original Message-----
From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Friday, August 31, 2012 1:22 PM
To: Chapman, Rodney L TRAN:EX
Subject: Next Meeting - s.17 Seg 2

Propose Tuesday (as Monday is a holiday) - morning or afternoon? TK

****
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****

E-mail Message

From:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
To:	Dawson, Garry TIC:EX [SMTP:gdawson@ticorp.ca]
Cc:	Webster, Gary TIC:EX [SMTP:gwebster@ticorp.ca], tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Sent:	2012-09-13 at 12:12 PM
Received:	2012-09-13 at 12:12 PM
Subject:	KFGP Claims: PMTCH

Garry,

With reference to your June 21, 2012 email requesting a review of the overall claims management strategy and approach being implemented by TI Corp in resolving any claims or settlements with KFGP on the Port Mann Highway Project and to follow up on the email communications of July 21 and 23, 2012 between ourselves. The purpose of this communication is to provide an initial report out to you.

s.17

s.17

s.13,s.17

s.13,s.17

As schedules permit over late next week or the week of September 24 - 28, we should discuss.

s.17

Overall, TI Corp has an excellent overview of the many complex factors affecting valuating this claim. Recommend following the strategy and analysis currently underway.

s.13,s.17

Rodney Chapman

Director

Construction & Maintenance

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-09-16 at 11:40 AM
Received:	2012-09-16 at 11:40 AM
Subject:	Fw: KFGP PMTCI- s.17 s.17
Attachments:	LTR-CNG-KF-120823-AR2.pdf LTR-CNG-KF-120802-AR1.pdf LTR-CNG-KF-120731-AR1.pdf S0_KF-TIC_LTR_2012.0749.pdf LTR-CNG-KF-120202-AR1.pdf gravel letters from KFGP x 3.pdf

Pat,

Please print all off.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Friday, September 14, 2012 10:40 AM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Hello Rodney:

I will answer as best I can to your questions below. Understanding that some may be limited by the stage of the review I am in, the changing nature of KFGP's approach, the meetings on our side (of which I do not attend all), and the strategy of TICorp (which I am not party to).

I will provide one response for each question or block of questions . . . as otherwise the attachments and the wording would get too confusing.

Please advise on any of these if I can be of further assistance.

Thomas.

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Dec-11

Jan-12

Feb-12

Mar-12

Apr-12

May-12

Jun-12

Jul-12

TO GO

TOTAL

DR37

DR38

DR39

DR41

DR42

DR43

DR44

DR45

TO GO

s.17

Page 014 to/à Page 016

Withheld pursuant to/removed as

s.17

s.17

All for now.

Regards,

Rodney Chapman

****
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administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
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****

Port Mann/Highway 1 Improvement Project

Transportation Investment Corporation

August 23, 2012

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-120823-AR2

Previous References: (1) LTR-CNG-KF-120601-AR1
(2) LTR-CNG-KF-120710-AR1
(3) LTR-CNG-KF-120802-AR1

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear W.H. (Bill) Murphy,

s.17

Yours truly,

Gary Webster
Authority's Representative
Transportation Investment Corporation

Attachment: n/a

Cc: Garry Dawson TI Corp
Gerry Fleming TI Corp
Stephen Docherty TI Corp
Edmund Lee TI Corp

Port Mann/Highway 1 Improvement Project

Transportation Investment Corporation

August 2, 2012

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-120802-AR1

Previous References: LTR-CNG-KF-111208-AR1
KF-TIC-LTR-2012.797.0
KF-TIC-LTR-2012.0749.0

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear W.H. (Bill) Murphy,

s.17

Yours truly,

Gary Webster
Authority's Representative
Transportation Investment Corporation

Attachment: n/a

Cc: Garry Dawson TI Corp
Gerry Fleming TI Corp
Stephen Docherty TI Corp
Edmund Lee TI Corp

Port Mann/Highway 1 Improvement Project

Transportation Investment Corporation

July 31, 2012

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-120731-AR1

Previous References: LTR-CNG-KF-120628-AR5
LTR-CNG-KF-120202-AR1
KF-TIC-LTR-2012.797.0
KF-TIC-LTR-2012.0749.0

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear W.H. (Bill) Murphy,

s.17

s.17

Yours truly,

P.P.

Gary Webster
Authority's Representative
Transportation Investment Corporation

Attachment: n/a

Cc: Garry Dawson TI Corp
Gerry Fleming TI Corp
Stephen Docherty TI Corp
Edmund Lee TI Corp

Kiewit
FLATIRON
general partnership

May 14, 2012

File: KF-TIC-LTR-2012.0749.0

Ref: (1) LTR-CNG-KF-120202-AR1

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

s.17,s.21

s.17

s.17

s.17

Sincerely,

Kiewit/Flatiron General Partnership

W.H. (Bill) Murphy
Project Director

Enc: CC-0132B – Change Report – 5 pages
CC-0132B-REF-01: Pricing Summary – 1 page

Kiewit
FLATIRON
general partnership

CC-0132B-REF-02: Price Breakdown – 15 pages
CC-0132B-REF-03: Proposed Payment Schedule CC-0132B – 1 page
CC-0132B-REF-04: Diagrams – 4 pages
CC-0132B-REF-05: Quantities – 2 pages
CC-0132B-REF-06: Pit Development Summary – 2 pages
CC-0132B-REF-07: Waste Quantities summary – 1 page
CC-0132B-REF-08: Material Density summary – 2 pages
CC-0132B-REF-09: Import Quantity Comparison – Baseline/Impacted Estimate – 6 pages
CC-0132B-REF-10: Waste Quantity Comparison – Baseline/Impacted Estimate – 1 page
CC-0132B-REF-11: Material Flow Diagrams – Baseline & Impacted Estimate – 2 pages

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0132B

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);
Part B if applicable – Change Report (completed by the Constructor);
Change Certificate (completed by the Authority's Representative).

PART B. CHANGE APPRAISAL			
Subject:	s.17		
To be completed by Constructor:			
B1. Payment			
Fixed Price:		s.17	
Deduct Paid To Date:	s.17		
CC-0028			
CC-0053			
CC-0060, 0077, 0078 Partial #1			
CC-0060, 0077, 0078 Partial #2			
CC-0060, 0077, 0078 Partial #3			
CC-0060, 0077, 0078 Partial #4			
CC-0107 Partial #1			
CC-0107 Partial #2			
CC-0107 Partial #3			
CC-0107 Partial #4			
CC-0107 Partial #5			
CC-0107 Partial #6			
CC-0107 Partial #7			
CC-0107 Partial #8			
CC-0107 Partial #9			
Total Paid:			
Deduct for Gravels under CC-0129A (Credit)			
Remaining Total (Excluding Taxes):			

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0132B

If applicable and where not covered by the Fixed Price or Bid Price: • Capital Cost Increase/Decrease: • Recurrent Cost Increase/Decrease: • Revenue Loss/Gain:	 n/a n/a n/a	
Estimate of Change Adjustment:	n/a	

If necessary, provide details below:

s.17

s.17

s.17

Page 026 to/à Page 027

Withheld pursuant to/removed as

s.17

4. CC-0132B-REF-03: Proposed Payment Schedule CC-0132B – 1 page
5. CC-0132B-REF-04: Diagrams – 4 pages
6. CC-0132B-REF-05: Quantities – 2 pages
7. CC-0132B-REF-06: Pit Development Summary – 2 pages
8. CC-0132B-REF-07: Waste Quantities summary – 1 page
9. CC-0132B-REF-08: Material Density summary – 2 pages
10. CC-0132B-REF-09: Import Quantity Comparison – Baseline/Impacted Estimate – 6 pages
11. CC-0132B-REF-10: Waste Quantity Comparison – Baseline/Impacted Estimate – 1 page
12. CC-0132B-REF-11: Material Flow Diagrams – Baseline & Impacted Estimate – 2 pages

Signed: _____

Constructor's Representative

Name: W.H. (Bill) Murphy

Date: May 14, 2012

CC-0132B-REF-01 - Pricing Summary

Printed: May 14, 2012

SECTION	ESTIMATE ITEM	Description	Baseline Item Total	Impacted Item Total	$ s.17	[a] Process/Buy / Haul & Waste	[b] Added Weight/ Work	[c] Material Flow Impact	[d] Pit Development	[e] Re-Design
1	10105	STRIPPING	s.17,s.21							
2	10115	EXCAVATION TO WASTE								
3	10120	LOAD, HAUL AND PLACE BORROW								
	10120 MF	LD/HL/PL BORROW - MATERIAL FLOW IMPACT								
4	10125	HAUL/PLACE SURCHARGE & SGSB								
	10125 AW	HAUL/PLACE SURCHARGE / SGSB - ADDED WEIGHT/WORK/SCOPE								
	10125 MF	SURCHARGE / SGSB - MATERIAL FLOW IMPACT								
5	10200	STRUCTURAL EXC & BACKFILL								
	10200 AW	STRUCTUARL EXC & BACKFILL - ADDED WEIGHT/WORK								
6	10320	DETOURS: EXCAVATION / SUBBASE								
	10320 AW	DETOURS: SUBBASE ADDED WEIGHT/WORK								
7	10440	UTILITIES: EXC TO WASTE AND GRAVEL FOR BACKFILL								
8	10500	MSE EXCAVATION								
9	10510	MSE WALLS: LOAD/HAUL/PLACE GRAVEL FOR BACKFILL								
	10510 AW	MSE WALLS: IMPORT/HAUL/PLAC AGG (ADDED WEIGHT/WORK)								
10	10512	2 STAGE MSE WALLS: IMPORT/HAUL/PLACE AGG FOR BACKFILL								
11	10515	BACKFILL CIP WALLS: IMPORT/PLACE AGG								
12	10600	PIT DEVELOPMENT JOB WIDE								
13	10601	OSR TRUCK RENT INCREASE TO AUG 2012 (ADJUSTMENT FROM ESTIMATE SET UP)								
14	10602	DIRECT RATE INCREASES THROUGH 2012 (ADJUSTMENT FROM ESTIMATE SET UP)								
15	10610	BUY/PROCESS & HAUL BEF & MISC AGG's								
16	10630	BUY/PROCESS SGSB QTY BROWN IMPACT (ADDED WORK)								
	10630 AW	BUY/PROCESS SGSB QTY / Added Weight Impact								
17	10631	PURCHASE COBBLES TO IMPROVE YIELD AT STRONG								
18	10850	DRAINAGE: EXC/HAUL WASTE & IMPORT/PLACE AGG								
19	11100	TOPSOIL - HAUL TO/FROM PIT								
20	11320	ENVIRO COMPENSATION - EXC/HAUL WASTE								
21	11320 MF	ENVIRO COMPENSATION - TOP SOIL HAUL (MATERIAL FLOW)								
22	13011D	TRUCK AVAILABILITY 2011 DIRECT								
	13012D	TRUCK AVAILABILITY 2012 DIRECT								
23	51405	EXCAVATION/DISPOSAL ONSHORE PORT MANN								
	51405 AW	EXC/DISPOSE ONSHORE PMB - ADDED WEIGHT								
	SUBTOTAL	**OPERATIONS**								
24	10300	TRAFFIC/RAILWAY FLAGGER/MESSAGE BDS								
	10300 AW	TRAFFIC/RAILWAY FLAGGER/MESSAGE BDS / ADDED WEIGHT/WORK								
	10300 MF	TRAFFIC/RAILWAY FLAGGER/MESSAGE BDS / MATERIAL FLOW IMPACT								
25	11035	EROSION CONTROL MAINTENANCE								
	11035 AW	EROSION CONTROL MAINT - ADDED WEIGHT								
	11035 MF	EROSION CONTROL MAINT - MATERIAL FLOW IMPACT								
26	11300	SURVEY ONSHORE								
	11300 AW	SURVEY ONSHORE - ADDED WEIGHT/WORK								
	11300 MF	SURVEY ONSHORE - MATERIAL FLOW IMPACT								
27	11305	QUALITY CONTROL AND TESTING ONSHORE								
	11305 AW	QC AND TESTING ONSHORE - ADDED WEIGHT/WORK/SCOPE								
	11305 MF	QUALITY CONTROL AND TESTING - MATERIAL FLOW IMPACT								
28	11315	ENVIRONMENTAL MONITORING S1 / S2 / S4								
	11315 AW	ENVIRO MONITOR - ADDED WEIGHT								
	11315 MF	ENVIRONMENTAL MONITORING - MATERIAL FLOW IMPACT								
	SUBTOTAL	**SUPPORT**								
	TOTAL	**DIRECTS**								
29	*I-1 TRACK	FORCE ACCOUNT TRACKING/DOCUMENTATION								
30	*I-1 HUB/SEG/MTC	SUPERVISION STAFF FOR EXTRA WORK								
31	*I-2 SEG	EQUIP MOVES/MOBE/SECURITY/TEMP SETUP/DISMANTLE ONSHORE								
32	*I-3 HUB	ESCALATION COST - 2013/2014								
	*I-3 HUB TRUCK	Escalation Cost - OSR TRUCKING								
33	s.21									
34	*I-5 HUB D	Fixed Business Cost - HUB - DESIGN								
35	*I-7 HUB	CONTINGENCIES IMPACTS								
	SUBTOTAL	**INDIRECTS**								
	TOTAL	**PROJECT TOTAL**								
s.21										
		TOTAL REQUEST								

TOTAL PROJECT	s.17,s.21
Deduct Paid To-Date Thru March 24, 2012	
Deduct Gravels Paid under CC-0129A (Winter Gravel)	
TOTAL CC-0132 (Remaining Gravel s.17 **to Total Completion)**	

Kiewit FLATIRON general partnership

PORT MANN / HIGHWAY 1 PROJECT
GRAVEL AND WASTE DISPOSAL
s.17 **TO TOTAL COMPLETION**

Doc Ref: **CC-0132B-REF-02**

PRICE BREAKDOWN **(CC-0132B)**

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
		SECTION 1		s.17,s.21		
1.00	**10105**	**STRIPPING TO WASTE**				
1.01	10105	STRIPPING LOAD/DUMP CREDIT	M3			
1.02	10105	STRIPPING LOAD/DUMP IMPACTED	M3			
1.03	10105	HAUL TO STOCKPILE CREDIT	M3			
1.04	10105	RELOAD FROM STOCKPILE CREDIT	M3			
1.05	10105	HAUL TO STOCKPILE IMPACTED	M3			
1.06	10105	RELOAD FROM STOCKPILE IMPACTED	M3			
1.07	10105	HAUL TO WASTE CREDIT	M3			
1.08	10105	HAUL TO WASTE (BACKHAUL) CREDIT	M3			
1.09	10105	HAUL TO WASTE (INCLUDING DUMP FEES) IMPACTED	M3			
1.10	10105	HAUL TO WASTE (BACKHAUL) IMPACTED	M3			
1.00	10105	**TOTAL STRIPPING WASTE TO OFF-SITE**	M3			
		SECTION 2				
2.00	**10115**	**EXCAVATION TO WASTE**				
2.01	10115	EXC & DUMP CREDIT	M3			
2.02	10115	EXC & DUMP (LESS DUMP CAT QTY) IMPACTED	M3			
2.03	10115	HAUL TO STOCKPILE CREDIT	M3			
2.04	10115	HAUL TO STOCKPILE IMPACTED	M3			
2.05	10115	RELOAD FROM STOCKPILE CREDIT	M3			
2.06	10115	RELOAD FROM STOCKPILE IMPACTED	M3			
2.07	10115	HAUL TO WASTE CREDIT	M3			
2.08	10115	HAUL TO WASTE (BACKHAUL) CREDIT	M3			
2.09	10115	HAUL TO WASTE (INCLUDING DUMP FEES) IMPACTED	M3			
2.10	10115	HAUL TO WASTE (BACKHAUL) IMPACTED	M3			
2.00	10115	**TOTAL EXCAVATION WASTE TO OFF-SITE**	M3			
		SECTION 3				
3.00	**10120**	**LOAD/HAUL/PLACE BORROW**				
3.01	10120	HAUL & PLACE BORROW CREDIT (Haul/Place from Brown and Nursery and Purchase/Haul/Place from Commercial Sources)	TNE			
3.02	10120	HAUL & PLACE EMBANK IMPACTED (Haul/Place from Strong and Purchase/Haul/Place from Commercial Sources) ** Offset added Haul by reusing Surcharge as Borrow*	TNE			
		TOTAL LOAD/HAUL/PLACE BORROW	TNE			

Note: *UNDERLINED Quantities contribute to Subtotal and Total Credit Quantities*

Quantities in BOLD contribute to the Impacted Quantities Totals

***BOLD & UNDERLINED** Amount Totals are reflected on the Pricing Summary (CC-0132B-REF-01)*

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
3.03	10120 MF	FINISH SUBGRADE IMPACTED ** Removal of Sand Surcharge requires Finish Subgrading / Removal of SGSB Surcharge does not require Finishing*	M2	s.17,s.21		
		TOTAL FINISH SUBGRADE (MATERIAL FLOW)	M2			
4.00	**10125**	**SECTION 4** **LOAD/HAUL/PLACE SURCHARGE & SGSB** *Note:* *Buy and/or Process costs for SGSB & Surcharge appear in Section 16*				
4.01	10125	HAUL/PLACE SURCHARGE & SUBBASE (SEG 1) CREDIT (171,031 m3 from Brown)	TNE			
4.02	10125	HAUL/PLACE SURCHARGE & SUBBASE (SEG 1) IMPACTED (171,031 m3 from Strong and Commercial Sources)	TNE			
4.03	10125	HAUL/PLACE SURCHARGE & SUBBASE (SEG 2) CREDIT (416,790 m3 from Brown)	TNE			
4.04	10125	HAUL/PLACE SURCHARGE & SUBBASE (SEG 2) IMPACTED (416,790 m3 from Strong and Commercial Sources)	TNE			
4.05	10125	HAUL/PLACE SURCHARGE & SUBBASE (SEG 4) CREDIT (440,189 m3 from Brown)	TNE			
4.06	10125	HAUL/PLACE SURCHARGE & SUBBASE (SEG 4) IMPACTED (440,189 m3 from Strong and Commercial Sources)	TNE			
		TOTAL LOAD/HAUL/PLACE SURCHARGE & SGSB	TNE			
4.07	10125 AW	HAUL/PLACE ADDED WEIGHT SURCHARGE & SUBBASE (SEG 1) IMPACT	TNE			
4.08	10125 AW	HAUL/PLACE ADDED WEIGHT SURCHARGE & SUBBASE (SEG 4) IMPACT	TNE			
4.09	10125 AW	HAUL/PLACE ADDED WEIGHT SURCHARGE & SUBBASE (SEG 4) IMPACT ** Added weight due to higher material unit density*	TNE			
		TOTAL LOAD/HAUL/PLACE SURCHARGE & SGSB ADDED WEIGHT	TNE			
4.10	10125 MF	MATERIAL FLOW IMPACT (Haul/Place 74,400 m3)	TNE			
4.11	10125 MF	REMOVE AND HAUL ONSITE	TNE			
4.12	10125 MF	MATERIAL FLOW IMPACT (Haul/Place 58,880 m3)	TNE			
4.13	10125 MF	REMOVE AND HAUL ONSITE	TNE			
		TOTAL LOAD/HAUL/PLACE SURCHARGE & SGSB MATERIAL FLOW	TNE			

PRICE BREAKDOWN **(CC-0132B)**

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
		SECTION 5				
5.00	**10200**	**STRUCTURAL EXCAVATION & BACKFILL**		s.17,s.21		
5.01	10200	EXC & DUMP CREDIT	M3			
5.02	10200	EXC & DUMP IMPACTED	M3			
5.03	10200	HAUL TO STOCKPILE CREDIT	M3			
5.04	10200	HAUL TO STOCKPILE IMPACTED	M3			
5.05	10200	HAUL TO WASTE CREDIT	M3			
5.06	10200	HAUL TO WASTE (BACKHAUL) CREDIT	M3			
5.07	10200	HAUL TO WASTE (INCLUDING DUMP FEES) IMPACTED	M3			
5.08	10200	HAUL TO WASTE (BACKHAUL) IMPACTED	M3			
		SUBTOTAL EXCAVATION	M3			
5.09	10200	LOAD/HAUL STRUCT BACKFILL CREDIT (63,300 m3 from Brown)	TNE			
5.10	10200	LOAD/HAUL STRUCT BACKFILL IMPACTED (63,300 m3 from Strong)	TNE			
		SUBTOTAL BACKFILL	TNE			
		TOTAL STRUCTURAL EXCAVATION & BACKFILL				
5.11	10200 AW	STRUCTURAL EXCAVATION & BACKFILL ADDED WEIGHT IMPACT ** Added weight due to higher material unit density*	TNE			
		TOTAL STRUCTURAL EXCAVATION & BACKFILL ADDED WEIGHT IMPACT	TNE			
		SECTION 6				
6.00	**10320**	**DETOURS - EXCAVATION & SUBBASE**				
6.01	10320	EXC & DUMP WASTE @ BROWN CREDIT	M3			
6.02	10320	EXC & DUMP WASTE @ STRONG IMPACTED	M3			
6.03	10320	HAUL TO WASTE @ BROWN CREDIT	M3			
6.04	10320	HAUL TO WASTE @ STRONG IMPACTED	M3			
		SUBTOTAL DETOURS EXC/HAUL/DUMP	M3			
6.05	10320	LOAD/HAUL/PLACE SUBBASE CREDIT (from Brown Pit)	TNE			
6.06	10320	HAUL/PLACE SUBBASE IMPACTED (from STRONG/Commercial Sources)	TNE			
		SUBTOTAL DETOURS SUBBASE HAUL/PLACE	TNE			
6.00		**TOTAL DETOURS EXCAVATION & SUBBASE**				
6.07	10320 AW	HAUL/PLACE ADDED WEIGHT EXCAVATION & SUBBASE IMPACT ** Added weight due to higher material unit density*	TNE			
		TOTAL DETOURS - SUBBASE ADDED WEIGHT	TNE			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
		SECTION 7				
7.00	**10440**	**UTILITIES - HAUL & DUMP WASTE**		s.17,s.21		
7.01	10440	EXC & DUMP WASTE @ BROWN CREDIT	M3			
7.02	10440	EXC & DUMP WASTE @ STRONG IMPACTED	M3			
7.03	10440	HAUL TO WASTE @ BROWN CREDIT	M3			
7.04	10440	HAUL TO WASTE @ STRONG IMPACTED	M3			
7.00	10440	**TOTAL UTILITIES - HAUL & DUMP WASTE**	M3			
		SECTION 8				
8.00	**10500**	**MSE WALLS - HAUL & DUMP WASTE**				
8.01	10500	HAUL & DUMP WASTE @ BROWN CREDIT	M3			
8.02	10500	HAUL & DUMP WASTE @ STRONG IMPACTED	M3			
8.00	10500	**TOTAL HAUL&DUMP WASTE EXCAVATED FROM WALLS**	M3			
		SECTION 9				
9.00	**10510**	**MSE WALLS - LOAD/HAUL/PLACE GRAVEL**				
9.01	10510	LOAD & HAUL GRAVEL CREDIT (188,107 m3 from Brown)	TNE			
9.02	10510	LOAD & HAUL GRAVEL IMPACTED (85,530 m3 from Strong)	TNE			
9.03	10510	PURCHASE & HAUL GRAVEL IMPACT (102,577 m3 from Commercial Sources)	TNE			
		TOTAL MSE WALLS - LOAD/HAUL/PLACE GRAVEL	TNE			
9.04	10510 AW	BUY GRAVEL (ADDED WEIGHT) COMMERCIAL IMPACT	TNE			
9.05	10510 AW	HAUL GRAVEL (ADDED WEIGHT) COMMERCIAL IMPACT ** Added weight due to higher material unit density*	TNE			
		TOTAL MSE WALLS BUY/HAUL COMMERCIAL GRAVEL	TNE			
		SECTION 10				
10.00	**10512**	**2ND STAGE MSE WALLS - LOAD/HAUL/PLACE**				
10.01	10512	LOAD & HAUL GRAVEL CREDIT (39,406 m3 from Brown)	TNE			
10.02	10512	BUY GRAVEL FROM COMMERCIAL IMPACT	TNE			
10.03	10512	HAUL GRAVEL FROM COMMERCIAL IMPACT ** Includes added weight*	TNE			
10.00	10512	**TOTAL 2ND STAGE MSE WALLS - LOAD/HAUL/PLACE**	TNE			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
		SECTION 11				
11.00	**10515**	**CIP WALLS - LOAD/HAUL/PLACE BACKFILL**		s.17,s.21		
11.01	10515	LOAD & HAUL BACKFILL CREDIT	TNE			
11.02	10515	BUY GRAVEL FROM COMMERCIAL IMPACTED	TNE			
11.03	10515	HAUL GRAVEL FROM COMMERCIAL IMPACT	TNE			
11.04	10515 AW	BUY GRAVEL (ADDED WEIGHT) COMMERCIAL IMPACT	TNE			
11.05	10515 AW	HAUL GRAVEL (ADDED WEIGHT) COMMERCIAL IMPACT	TNE			
11.00	10515	**TOTAL CIP WALLS - LOAD/HAUL/PLACE BACKFILL**	TNE			
		SECTION 12				
12.00	**10600**	**JOB-WIDE PIT DEVELOPMENT**				
12.01	10600	**BROWN** PIT DEVELOPMENT CREDIT STRIP TOPSOIL 30,375 M3, REMOVE AND DISPOSE 27,000 M3 SILTY LAYER AND RECLAIMATION	M3			
12.02	10600	**BROWN** PIT DEVELOPMENT CREDIT REHANDLING AT PIT & STOCKPILE	M3			
12.03	10600	**BROWN** PIT DEVELOPMENT CREDIT PIT MAINTENANCE & WASTE MONITORING	WKS			
12.04	10600	**BROWN** PIT DEVELOPMENT CREDIT ACCELERATION LANE, SCALE SETUP / OPERATOR & TIRE WASH	LS			
12.05	10600	**STRONG** PIT DEVELOPMENT CREDIT FOR AREA A & B BASED ON ACTUAL COST (THRU 2011/04/23)	LS			
	10600	SUBTOTAL PIT DEVELOPMENT CREDIT	LS			
12.06	10600	**BROWN** PIT TESTING/SAMPLING	LS			
12.07	10600	**STRONG** PIT 'WOULD HAVE COST' - AREA A & B	LS			
12.08	10600	**STRONG** PIT IMPACTED TO DATE / WASTE & GRAVEL	LS			
12.09	10600	**STRONG** PIT / BRIDGE AND CONVEYOR	LS			
12.10	10600	**STRONG** PIT / MOVE ENTRANCE ROAD - AREA C	LS			
12.11	10600	**STRONG** PIT / REMAINING WASTE/FUTURE DEVELOPMENT	LS			
12.12	10600	**STRONG** PIT / AREA E	LS			
12.13	10600	**STRONG** PIT / REMAINING MAINTENANCE TO THE END	LS			
12.14	10600	**STRONG** PIT / WASTE MONITORING	LS			
12.15	10600	**STRONG** PIT / HUNTINGDON PIT FEES	LS			
12.16	10600	**STRONG** PIT / TRUCK TRACKING SYSTEM	LS			
12.17	10600	**JACKSON** PIT / MOBILIZATION K/F TO PIT	LS			
12.18	10600	**JACKSON** PIT / OVERBURDEN REMOVAL	LS			
12.19	10600	**JACKSON** PIT / ENVIRONMENTAL CONTROLS	LS			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
12.20	10600	**JACKSON** PIT / JACKSON PIT QC	LS	s.17,s.21		
12.21	10600	**JACKSON** PIT / RENTAL SCALE AND OFFICE SETUP	LS			
	10600	SUBTOTAL PIT DEVELOPMENT IMPACTED	LS			
12.00	10600	**TOTAL JOB-WIDE PIT DEVELOPMENT**				
13.00	**10601**	**SECTION 13 O/S RENT TRUCK RATE ADJUSTMENT FROM ESTIMATE SET UP TO ACTUAL (2009-2012)**				
13.01	10601	TANDEM CREDIT	HRS			
13.02	10601	TRUCK & PONY CREDIT	HRS			
13.03	10601	SUPER-B CREDIT	HRS			
13.04	10601	SINGLE-SIDE DUMP CREDIT	HRS			
		O/S RENT TRUCK CREDIT SUBTOTAL	HRS			
13.05	10601	TANDEM IMPACTED	HRS			
13.06	10601	TRUCK & PONY IMPACTED	HRS			
13.07	10601	SUPER-B IMPACTED	HRS			
13.08	10601	SINGLE-SIDE DUMP IMPACTED	HRS			
		O/S RENT TRUCK IMPACTED SUBTOTAL	HRS			
13.00	10601	**TOTAL O/S RENT TRUCK RATE ADJUSTMENT**	HRS			
14.00	**10602**	**SECTION 14 DIRECT RATES ADJUSTMENT FROM ESTIMATE SET UP TO ACTUAL FOR LABOUR, EQUIPMENT, MATERIALS, AND SUBCONTRACTORS ON ADDED WORK (2009-2012)**				
14.01	10602	LABOUR/EQUIPMENT/MATERIALS/SUBS (ADDED WORK)	LS			
14.00	10602	**TOTAL DIRECT RATE ADJUSTMENT**	LS			
15.00	**10610**	**SECTION 15 PROCESS/LOAD/HAUL BRIDGE END FILL**				
15.01	10610	PROCESS/LOAD/HAUL BRIDGE END FILL CREDIT	TNE			
15.02	10610	PROCESS/LOAD/HAUL BRIDGE END FILL IMPACTED	TNE			
15.03	10610	BUY/HAUL BRIDGE END FILL FROM COMMERCIAL IMPACTED	TNE			
15.00	10610	**TOTAL PROCESS/LOAD/HAUL BRIDGE END FILL**	TNE			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
		SECTION 16		s.17,s.21		
16.00	**10630**	**PROCESS @ STRONG / PURCHASE COMMERCIAL SGSB**				
16.01	10630	NO PROCESSING REQUIRED @ BROWN	TNE			
16.02	10630	PROCESS AND PRODUCE SUBBASE @ STRONG IMPACT	TNE			
16.03	10630	PROCESS AND PRODUCE SUBBASE @ JACKSON IMPACT	TNE			
16.04	10630	PURCHASE SUBBASE FOB DEPOT FOR SEG 1 IMPACT	TNE			
16.05	10630	PURCHASE SUBBASE FOB DEPOT FOR SEG 2 IMPACT	TNE			
16.06	10630	PURCHASE SUBBASE FOB DEPOT FOR SEG 4 IMPACT	TNE			
		TOTAL PROCESS & PURCHASE	TNE			
16.07	10630 AW	ADDED WEIGHT SUBBASE IMPACTED ** Added weight due to higher material unit density*	TNE			
16.00	10630	**TOTAL ADDED WEIGHT SUBBASE STRONG & COMMERCIAL**	TNE			
		SECTION 17				
17.00	**10631**	**PURCHASE COBBLES TO IMPROVE PROCESSING YIELD @ STRONG PIT**				
17.01	10631	PURCHASE COBBLES	TNE			
17.00	10631	**TOTAL PURCHASE COBBLES TO IMPROVE PROCESSING YIELD @ STRONG PIT**	TNE			
		SECTION 18				
18.00	**10850**	**DRAINAGE TO WASTE**				
18.01	10850	EXC & DUMP CREDIT	M3			
18.02	10850	EXC & DUMP IMPACTED	M3			
18.03	10850	EXC & DUMP @ COMMERCIAL IMPACTED (INCLUDING DUMP FEES)	M3			
18.04	10850	HAUL TO STOCKPILE CREDIT	M3			
18.05	10850	HAUL TO STOCKPILE IMPACTED	M3			
18.06	10850	HAUL TO STOCKPILE / RELOAD & HAUL TO COMMERCIAL	M3			
18.07	10850	HAUL TO WASTE BROWN CREDIT	M3			
18.08	10850	HAUL TO WASTE BROWN (BACKHAUL) CREDIT	M3			
18.09	10850	HAUL TO WASTE IMPACTED	M3			
18.10	10850	HAUL TO WASTE (BACKHAUL) IMPACTED	M3			
		SUBTOTAL DRAINAGE TO WASTE	M3			
		IMPORT FOR DRAINAGE				
18.11	10850	LOAD/HAUL IMPORT FROM BROWN (SCOPE DELETIONS)	TNE			
18.12	10850	LOAD/HAUL IMPORT FROM STRONG/COMMERCIAL (DELETIONS)	TNE			
		SUBTOTAL LOAD/HAUL IMPORT (SCOPE DELETIONS)	TNE			
18.00	**10850**	**TOTAL DRAINAGE (INCREASED HAUL)**				

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
		SECTION 19				
19.00	**11100**	**TOPSOIL**		s.17,s.21		
19.01	11100	PURCHASE SAND TO MAKE SPEC TOPSOIL CREDIT	TNE			
19.02	11100	HAUL COMMERCIAL SAND CREDIT	TNE			
19.03	11100	HAUL TOPSOIL FROM SEGMENTS TO BROWN TO MAKE SPEC TOPSOIL WITH SAND CREDIT	M3			
19.04	11100	LOAD & SHORT HAUL SAND TO BLEND / HAUL TOPSOIL TO STRONG TO MAKE SPEC TOPSOIL	M3			
19.00	11100	**TOTAL TOPSOIL (INCREASED HAUL)**	M3			
		SECTION 20				
20.00	**11320**	**ENVIRONMENTAL COMPENSATION TO WASTE**				
20.01	11320	EXC & DUMP CREDIT	M3			
20.02	11320	EXC & DUMP IMPACTED	M3			
20.03	11320	HAUL TO WASTE TO BROWN CREDIT	M3			
20.04	11320	HAUL TO STOCKPILE / RELOAD & HAUL TO STRONG IMPACTED	M3			
20.05	11320	HAUL WASTE STRONG & COMMERCIAL (INCLUDING DUMP FEES) IMPACTED	M3			
20.00	11320	**TOTAL ENVIRONMENTAL COMPENSATION EXCAVATION TO WASTE**	M3			
		SECTION 21				
21.00	**11320 MF**	**ENVIRONMENTAL COMPENSATION TO WASTE (TAB 20)**				
21.01	11320 MF	HAUL TO/FROM BROWN ENVIRO-TOPSOIL CREDIT	M3			
21.02	11320 MF	HAUL TO/FROM STRONG ENVIRO-TOPSOIL IMPACTED	M3			
21.00	11320 MF	**TOTAL ENVIRONMENTAL COMPENSATION (INCREASED HAUL)**	M3			
		SECTION 22				
22.00	**13011 D**	**DIRECT COST FOR LOST PRODUCTIVITY ENCOUNTERED DUE TO TRUCK SHORTAGE CREATED BY LONGER HAUL**				
22.01	13011 D	EXC TO WASTE / PRODUCTIVITY LOSS 2011	LS			
22.02	13011 D	MSE WALLS BACKFILL & ERECT / PRODUCTIVITY LOSS	LS			
22.03	13011 D	PLACE & FINISH SUBBASE & BASE / PRODUCTIVITY LOSS	LS			
22.04	13011 D	AC PAVING MISSED/SCHEDULE RESOURCE REPLACEMENT 2011	LS			
		TOTAL FOR YEAR 2011 [TRUCKING 148,153 HRS]	HRS			
22.05	13012 D	EXC TO WASTE / PRODUCTIVITY LOSS 2012	LS			
22.06	13012 D	MSE WALLS BACKFILL & ERECT / PRODUCTIVITY LOSS	LS			
22.07	13012 D	PLACE & FINISH SUBBASE & BASE / PRODUCTIVITY LOSS	LS			
22.08	13012 D	AC PAVING MISSED/SCHEDULE RESOURCE REPLACEMENT 2012	LS			
		TOTAL FOR YEAR 2012 [TRUCKING 107,074 HRS]	HRS			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
		SECTION 23				
23.00	**51405**	**PORT MANN BRIDGE** **HAUL TO WASTE / HAUL BACKFILL**		s.17,s.21		
23.01	51405	HAUL/DUMP TO WASTE (TANDEM) BROWN CREDIT	M3			
23.02	51405	HAUL/DUMP TO WASTE (TANDEM) STRONG IMPACTED	M3			
		SUBTOTAL HAUL TO WASTE	M3			
23.03	51405	LOAD/HAUL BACKFILL FROM BROWN CREDIT	TNE			
23.04	51405	BUY/HAUL BACKFILL FROM COMMERCIAL IMPACTED	TNE			
		SUBTOTAL BUY/HAUL MATERIAL FOR BACKFILL	TNE			
23.00	**51405**	**TOTAL HAUL TO WASTE / HAUL BACKFILL MATERIAL**				
23.05	51405 AW	BUY/HAUL BACKFILL GRAVEL (ADDED WEIGHT) COMMERCIAL IMPACTED ** Added weight due to higher material unit density*	TNE			
		TOTAL BUY/HAUL BACKFILL GRAVEL (ADDED WEIGHT)	TNE			
		TOTAL SECTION 1 TO SECTION 23				
		SECTION 24 TO SECTION 35 **SUPPORT SERVICES FOR ADDED / CHANGED WORK**				
		SECTION 24				
24.00	**10300**	**TRAFFIC CONTROL & FLAGGING (LABOUR & VEHICLES)**				
24.01	10300	TC - LANE CLOSURE CREW NET IMPACT	WKS			
24.02	10300	TC - FLAGGER NET IMPACT	WKS			
24.03	10300	TC - MAINTENANCE OF SIGNS, BARRICADES NET IMPACT	WKS			
24.04	10300	RAILWAY FLAGGER - ONSHORE NET IMPACT	MH			
24.05	10300	TC - CONES/BARRELS/BARRICADES/SIGNS NET IMPACT	MH			
24.06	10300	TC - LIGHT PLANTS NET IMPACT	WKS			
	10300	**TOTAL TC & FLAGGING (INCREASED MANHOURS)**	WKS			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
24.07	10300 AW	TC - LANE CLOSURE CREW NET IMPACT	WKS	s.17,s.21		
24.08	10300 AW	TC - FLAGGER NET IMPACT	WKS			
24.09	10300 AW	TC - MAINTENANCE OF SIGNS/BARRICADES NET IMPACT	WKS			
24.10	10300 AW	TC - CONES/BARRELS/BARRICADES/SIGNS NET IMPACT	MH			
24.11	10300 AW	TC - LIGHT PLANTS NET IMPACT	WKS			
	10300 AW	**TOTAL - TC & FLAGGING (ADDED WEIGHT)**	WKS			
24.12	10300 MF	TC - LANE CLOSURE CREW NET IMPACT	WKS			
24.13	10300 MF	TC - FLAGGER NET IMPACT	WKS			
24.14	10300 MF	TC - MAINTENANCE OF SIGNS/BARRICADES NET IMPACT	WKS			
24.15	10300 MF	TC - CONES/BARRELS/BARRICADES/SIGNS NET IMPACT	MH			
24.16	10300 MF	TC - LIGHT PLANTS NET IMPACT	WKS			
	10300 MF	**TOTAL - TC & FLAGGING (MATERIAL FLOW)**	WKS			
25.00	**11035**	**SECTION 25** **EROSION CONTROL** **INCREMENTAL INCREASED MANHOURS**				
25.01	11035	EROSION CONTROL MAINTENANCE NET IMPACT	WKS			
25.02	11035	SWEEPER NET IMPACT	HR			
25.00	**11035**	**TOTAL EROSION CONTROL (INCREASED MANHOURS)**	WKS			
25.03	11035 AW	EROSION CONTROL MAINTENANCE NET IMPACT	WKS			
25.04	11035 AW	SWEEPER NET IMPACT	HR			
25.00	**11035 AW**	**TOTAL EROSION CONTROL (ADDED WEIGHT)**	WKS			
25.05	11035 MF	EROSION CONTROL MAINTENANCE NET IMPACT	WKS			
25.06	11035 MF	SWEEPER NET IMPACT	HR			
25.00	**11035 MF**	**TOTAL EROSION CONTROL (MATERIAL FLOW)**	WKS			
26.00	**11300**	**SECTION 26** **SURVEY - ONSHORE**				
26.01	11300	CUMULATIVE SURVEY WEEKS (SURVEY / ENGINEER / RODMAN) NET IMPACT	WKS			
26.02	11300	CUMULATIVE PICKUP NET IMPACT	WKS			
26.03	11300	CUMULATIVE SURVEYING EQUIPMENT NET IMPACT	MH			
26.00	**11300**	**TOTAL SURVEY - ONSHORE (INCREASED MANHOURS)**	WKS			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
				s.17,s.21		
26.04	11300 AW	CUMULATIVE SURVEY WEEKS (SURVEY / ENGINEER / RODMAN) NET IMPACT	WKS			
26.05	11300 AW	CUMULATIVE PICKUP NET IMPACT	WKS			
26.06	11300 AW	CUMULATIVE SURVEYING EQUIPMENT NET IMPACT	MH			
26.00	**11300 AW**	**TOTAL SURVEY - ONSHORE (ADDED WEIGHT)**	WKS			
26.07	11300 MF	CUMULATIVE SURVEY WEEKS (SURVEY / ENGINEER / RODMAN) NET IMPACT	WKS			
26.08	11300 MF	CUMULATIVE PICKUP NET IMPACT	WKS			
26.09	11300 MF	CUMULATIVE SURVEYING EQUIPMENT NET IMPACT	MH			
26.00	**11300 MF**	**TOTAL SURVEY - ONSHORE (MATERIAL FLOW)**	WKS			
27.00	**11305**	**SECTION 27 QUALITY CONTROL - ONSHORE**				
27.01	11305	CUMULATIVE QC WEEKS (QC MANAGER, ENGINEER, TECHNICIAN & PICKUPS) NET IMPACT	WKS			
27.02	11305	QC ST&S NET IMPACT	MH			
27.00	**11305**	**TOTAL QUALITY CONTROL - ONSHORE (INCREASED MANHOURS)**	WKS			
27.03	11305 AW	CUMULATIVE QC WEEKS (QC MANAGER, ENGINEER, TECHNICIAN & PICKUPS) IMPACTED	WKS			
27.04	11305 AW	QC ST&S IMPACTED	MH			
27.00	**11305 AW**	**TOTAL QUALITY CONTROL - ONSHORE (ADDED WEIGHT)**	WKS			
27.05	11305 MF	CUMULATIVE QC WEEKS (QC MANAGER, ENGINEER, TECHNICIAN & PICKUPS) IMPACTED	WKS			
27.06	11305 MF	QC ST&S IMPACTED	MH			
27.00	**11305 MF**	**TOTAL QUALITY CONTROL - ONSHORE (MATERIAL FLOW)**	WKS			
28.00	**11315**	**SECTION 28 ENVIRONMENTAL MONITORING**				
28.01	11315	ENVIRONMENTAL MONITOR IMPACTED	HR			
28.02	11315	CONSULTANT IMPACTED	HR			
28.00	***11315***	**TOTAL ENVIRONMENTAL MONITORING (INCREASED MANHOURS)**	WKS			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
28.03	11315 AW	ENVIRONMENTAL MONITOR NET IMPACT	HR	s.17,s.21		
28.04	11315 AW	CONSULTANT NET IMPACT	HR			
28.00	11315 AW	**TOTAL ENVIRONMENTAL MONITORING (ADDED WEIGHT)**	WKS			
28.05	11315 MF	ENVIRONMENTAL MONITOR IMPACTED	HR			
28.06	11315 MF	CONSULTANT IMPACTED	HR			
28.00	11315 MF	**TOTAL ENVIRONMENTAL MONITORING (MATERIAL FLOW)**	WKS			
		SUBTOTAL OPERATION SUPPORT (SECTION 24 TO 28)				
		TOTAL DIRECTS (SECTION 1 TO 28)				
		SECTION 29				
29.00	***I-1 TRACK**	**EXTRA STAFF FOR FORCE ACCOUNT TRACKING AND DOCUMENTATION (LABOUR COSTS ONLY)**				
29.01	*I-1 TRACK	TRACKING STAFF @ HUB	WKS			
29.02	*I-1 TRACK	TRACKING ENGINEERS @ SEGMENTS	WKS			
29.03	*I-1 TRACK	TRACKING CLERKS @ SEGMENTS	WKS			
29.00	*I-1 TRACK	**TOTAL**	WKS			
		SECTION 30				
30.00	*I-1 HUB/SEG/MTC	**PROJECT WIDE STAFF FOR SUPERVISION OF EXTRA WORK**				
30.01	*I-1 HUB/SEG/MTC	STAFF @ HUB	WKS			
30.02	*I-1 HUB/SEG/MTC	STAFF VEHICLES / IMPACTED	WKS			
30.03	*I-1 HUB/SEG/MTC	STAFF EXPENSES IMPACT	MH			
30.04	*I-1 HUB/SEG/MTC	JOB OFFICE EXPENSES	MH			
30.05	*I-1 HUB/SEG/MTC	OFFICE RENT	SF/YEAR			
30.06	*I-1 HUB/SEG/MTC	MAINTENANCE SUPERVISION STAFF	WKS			
30.07	*I-1 HUB/SEG/MTC	STAFF VEHICLES	WKS			
30.08	*I-1 HUB/SEG/MTC	STAFF EXPENSES	MH			
30.09	*I-1 HUB/SEG/MTC	CRAFT EXPENSES	MH			
30.10	*I-1 HUB/SEG/MTC	STAFF SUPERVISION	WKS			
30.11	*I-1 HUB/SEG/MTC	SAFETY STAFF	WKS			
30.12	*I-1 HUB/SEG/MTC	STAFF VEHICLES	WKS			
30.13	*I-1 HUB/SEG/MTC	STAFF EXPENSES	MH			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
30.14	*I-1 HUB/SEG/MTC	JOB OFFICE EXPENSES	MH	s.17,s.21		
30.15	*I-1 HUB/SEG/MTC	CRAFT EXPENSES	MH			
30.16	*I-1 HUB/SEG/MTC	STAFF RATE ADJUSTMENT FROM ESTIMATE SET-UP TO ACTUAL (2009 - 2012) - INCLUDES ALL STAFF INCLUDING ABOVE ITEMS	WKS			
30.00	*I-1 HUB/SEG/MTC	**TOTAL STAFF FOR SUPERVISION OF EXTRA WORK**	WKS			
		SECTION 31				
31.00	***I-2 SEG**	**EQUIPMENT MOVES & SECURITY**				
31.01	*I-2 SEG	EQUIPMENT MOVES	HRS			
31.02	*I-2 SEG	SECURITY	MTH			
31.03	*I-2 SEG	ADDED MOB DISTANCE TO STRONG / ADDITIONAL ONSITE MOB	EA			
31.00	*I-2 SEG	**TOTAL EQUIPMENT MOVES & SECURITY**				
		SECTION 32				
32.00	***I-3 HUB**	**ESCALATION FOR 2013 / 2014 RATES**				
32.01	*I-3 HUB	STAFF, CRAFT, & EQUIPMENT ESCALATION	LS			
32.02	*I-3 HUB	MATERIALS AND SUBCONTRACTORS ESCALATION	LS			
32.00	*I-3 HUB	**TOTAL ESCALATION FOR 2013 / 2014 RATES**				
32.00	***I-3 HUB TR**	**ESCALATION FOR 2013 / 2014 ADDED O/S RENT TRUCKING HOURS**				
32.03	*I-3 HUB TR	TANDEM SEPT 2012 TO AUG 2013 IMPACTED	HRS			
32.04	*I-3 HUB TR	TANDEM SEPT 2013 TO AUG 2014 IMPACTED	HRS			
32.05	*I-3 HUB TR	TRUCK & PONY SEPT 2012 TO AUG 2013 IMPACTED	HRS			
32.06	*I-3 HUB TR	TRUCK & PONY SEPT 2013 TO AUG 2014 IMPACTED	HRS			
32.07	*I-3 HUB TR	SUPER-B SEPT 2012 TO AUG 2013 IMPACTED	HRS			
32.08	*I-3 HUB TR	SUPER-B SEPT 2013 TO AUG 2014 IMPACTED	HRS			
32.09	*I-3 HUB TR	SINGLE-SIDE SEPT 2012 TO AUG 2013 / IMPACTED	HRS			
32.10	*I-3 HUB TR	SINGLE-SIDE SEPT 2013 TO AUG 2014 / IMPACTED	HRS			
32.00	***I-3 HUB TR**	**TOTAL CREDIT AND IMPACTED (NET)**	HRS			
		SECTION 33				
33.00	***I-4 HUB**	**INSURANCE & FEES**				
33.01	*I-4 HUB-A	LEGAL EXPENSES AND INSURANCE	LS			
33.02	*I-4 HUB-B	JV MANAGEMENT FEE	LS			

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
		SECTION 34		s.17,s.21		
34.00	***I-5 HUB D**	**RE-DESIGN DUE TO CHANGE IN MATERIAL SOURCES**				
		ADJUSTMENTS TO DESIGN AND RE-ENGINEERING REQUIRED FOR SUBGRADE, SURCHARGES, AND MSE BACKFILL FOR ROADWAY STRUCTURAL SECTIONS, AND EMBANKMENTS INCLUDING STRENGTH, SHEAR ANGLES, PERMEABILITIES, & GLOBAL STABILITY				
34.01	*I-5 HUB D	RE-DESIGN	LS			
34.00	***I-5 HUB D**	**TOTAL RE-DESIGN DUE TO CHANGE IN MATERIAL SOURCES**				
		SECTION 35				
35.00	***I-7 HUB**	**CONTINGENCIES**				
35.01	*I-7 HUB	REDUCED BACKHAUL OPPORTUNITY FOR REMAINING WASTE FROM 50% TO 28%	M3			
35.02	*I-7 HUB	HAUL ADDITIONAL WASTE OFF-SITE TO STRONG OVER GPR PRICING	M3			
35.03	*I-7 HUB	ADDITIONAL STRONG PIT DRAINAGE AND EROSION CONTROL OVER GPR PRICING	LS			
35.04	*I-7 HUB	ADDITIONAL STRONG PIT RECLAMATION OVER GPR PRICING	LS			
35.05	*I-7 HUB	GRAVEL PRICE INCREASE $1.5/TNE [REMAINING SGSB] OVER GPR PRICING	TNE			
35.06	*I-7 HUB	ASPHALT OIL & ASPHALT TRUCKING [2014 QTY]	TNE			
35.07	*I-7 HUB	ADDITIONAL RAILWAY FLAGGING OVER GPR PRICING	MH			
35.08	*I-7 HUB	ADDITIONAL LOSS OF PRODUCTION FOR PLACING REMAINING SUBBASE OVER GPR PRICING	TNE			
35.09	*I-7 HUB	ADDITIONAL LOSS OF PRODUCTION FOR FINISHING REMAINING SUBBASE OVER GPR PRICING	M2			
35.10	*I-7 HUB	ADDITIONAL LOSS OF PRODUCTION FOR PLACING REMAINING BASE OVER GPR PRICING	TNE			
35.11	*I-7 HUB	ADDITIONAL LOSS OF PRODUCTION FOR FINISHING REMAINING BASE OVER GPR PRICING	M2			
		SUBTOTAL CONTINGENCIES				
		DEDUCT 50% RISK IN ALL ABOVE				
35.00	***I-7 HUB**	**TOTAL CONTINGENCIES**				
		TOTAL INDIRECTS (SECTION 29 TO 35)				

PRICING ITEM	ESTIMATE ITEM #	DESCRIPTION OF WORK	UNIT	QUANTITY	AMOUNT	APPROXIMATE UNIT PRICE
36.01		*DIRECT SUMMARY [SECTION 1 - 28]*		s.17,s.21		
36.02		*INDIRECT SUMMARY [SECTION 29 - 35]*				
36.00		**INDIRECT & DIRECT SUMMARY**				

s.21

37.00		**TOTAL PROJECT**				
38.00		**SECTION 38 - DEDUCTIONS**				
		PREVIOUSLY PAID CHANGE CERTIFICATES				
38.01		DEDUCT CHANGE CERTIFICATE CC-0028	LS			
38.02		DEDUCT CHANGE CERTIFICATE CC-0053	LS			
38.03		DEDUCT CHANGE CERTIFICATE CC-0060, 0077, 0078 PARTIAL #1	LS			
38.04		DEDUCT CHANGE CERTIFICATE CC-0060, 0077, 0078 PARTIAL #2	LS			
38.05		DEDUCT CHANGE CERTIFICATE CC-0060, 0077, 0078 PARTIAL #3	LS			
38.06		DEDUCT CHANGE CERTIFICATE CC-0060, 0077, 0078 PARTIAL #4	LS			
38.07		DEDUCT CHANGE CERTIFICATE CC-0107 PARTIAL #1 THRU #9	LS			
38.00		*SUBTOTAL CHANGE CERTIFICATES PAID TO DATE*				
38.08		CREDIT BACK FOR GRAVELS PAID UNDER CC-0129A s.17 "WINTER GRAVEL" << Unit Rate used for the credit is the agreed upon rate in CC-0107, for line 2.31 "*Purchase/Haul SGSB/WGBC from Commercial Sources*". >>	TNE			)
38.00		*SUBTOTAL CREDIT FOR CC-0129A*	*TNE*			
38.00		**TOTAL DEDUCTIONS**				
39.00		**TOTAL CC-0132 (Not Including HST)**				

Kiewit FLATIRON general partnership

Doc. Ref: CC-0132B-REF-03

PORT MANN / HIGHWAY 1 PROJECT

Gravel s.17 to Total Completion

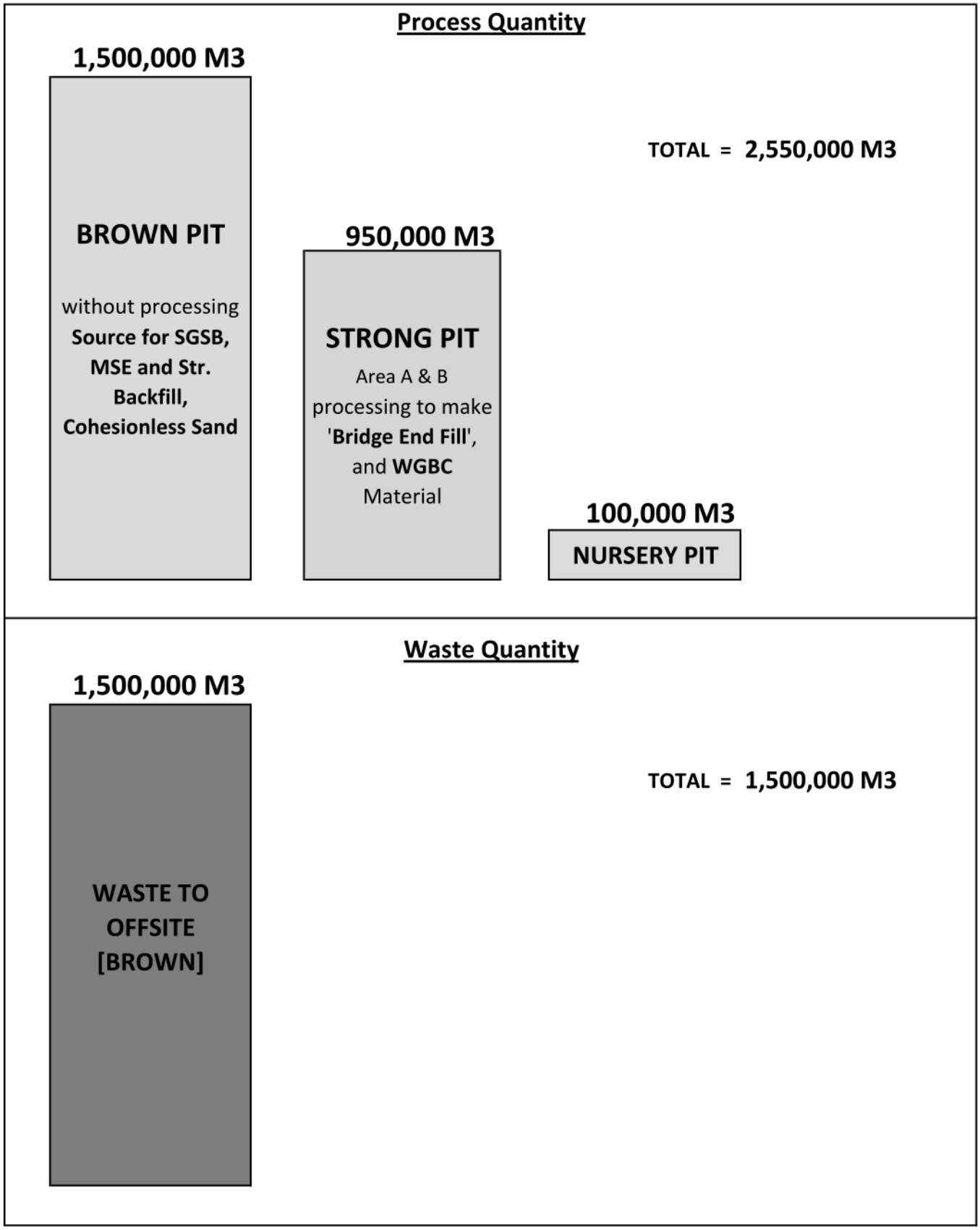
(CC-0132B)

Proposed Monthly Payment Schedule: **14-May-12**

Gravel Supply and Waste Disposal s.17 to Total Completion		
Total Gravel Supply and Waste Disposal to Total Completion	s.17	s.17
Month	s.17	**Payment Amount**
June, 2012		s.17
July, 2012		
August, 2012		
September, 2012		
October, 2012		
November, 2012		
December, 2012		
TOTAL (HST not included)		

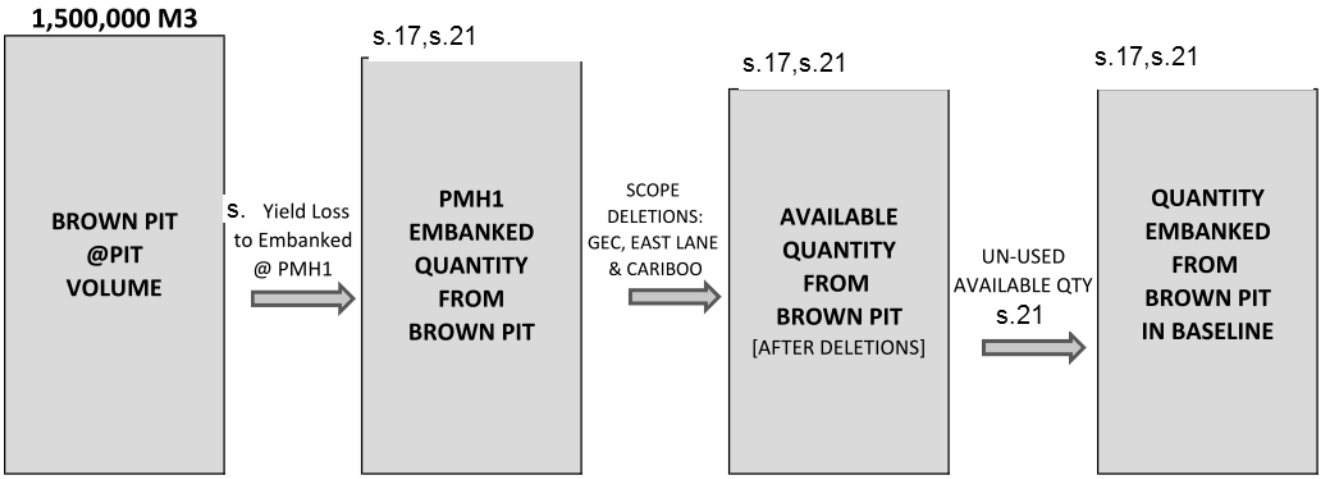
Kiewit/Flatiron General Partnership
Port Mann Highway 1 Project
Suite #201 – 3773 Still Creek Ave,
Burnaby, BC V5C 4E2
Tel: 604-629-5419, Fax: 604-454-3596

K/F Technical Proposal Quantities from MOT Pits

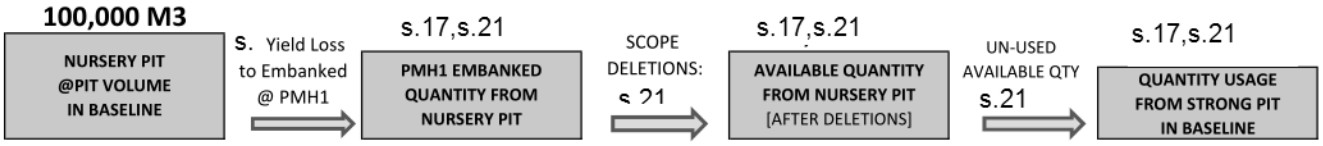


PMH1 GRAVEL IMPORT / SOURCES

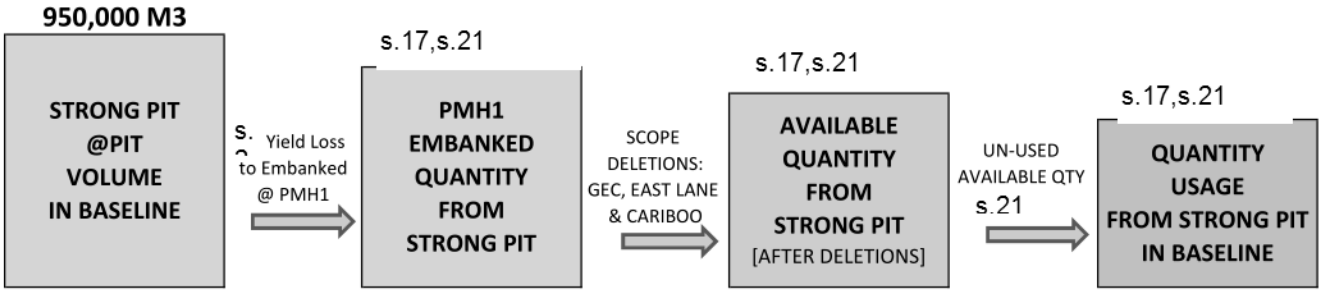
BASELINE ESTIMATE QUANTITY



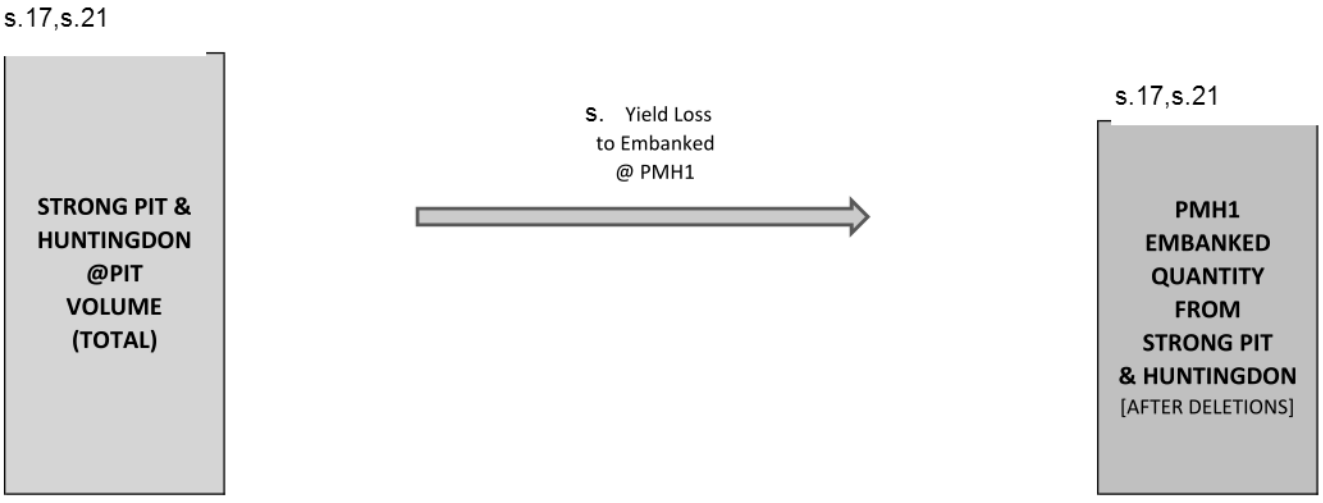
NURSERY PIT QUANTITY FROM PIT TO EMBANKED IN BASELINE ESTIMATE



STRONG PIT QUANTITY FROM PIT TO EMBANKED IN BASELINE ESTIMATE

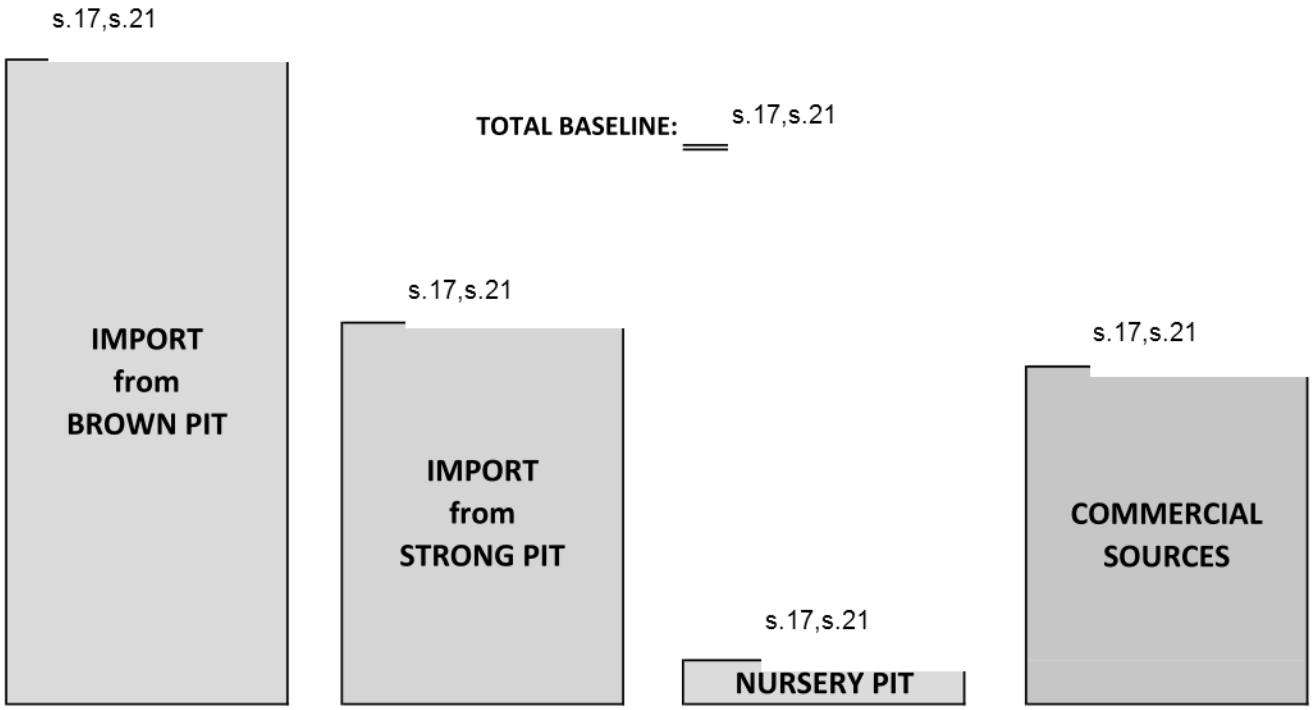


STRONG PIT QUANTITY FROM PIT TO EMBANKED IN IMPACTED ESTIMATE (GPR & NON-GPR)

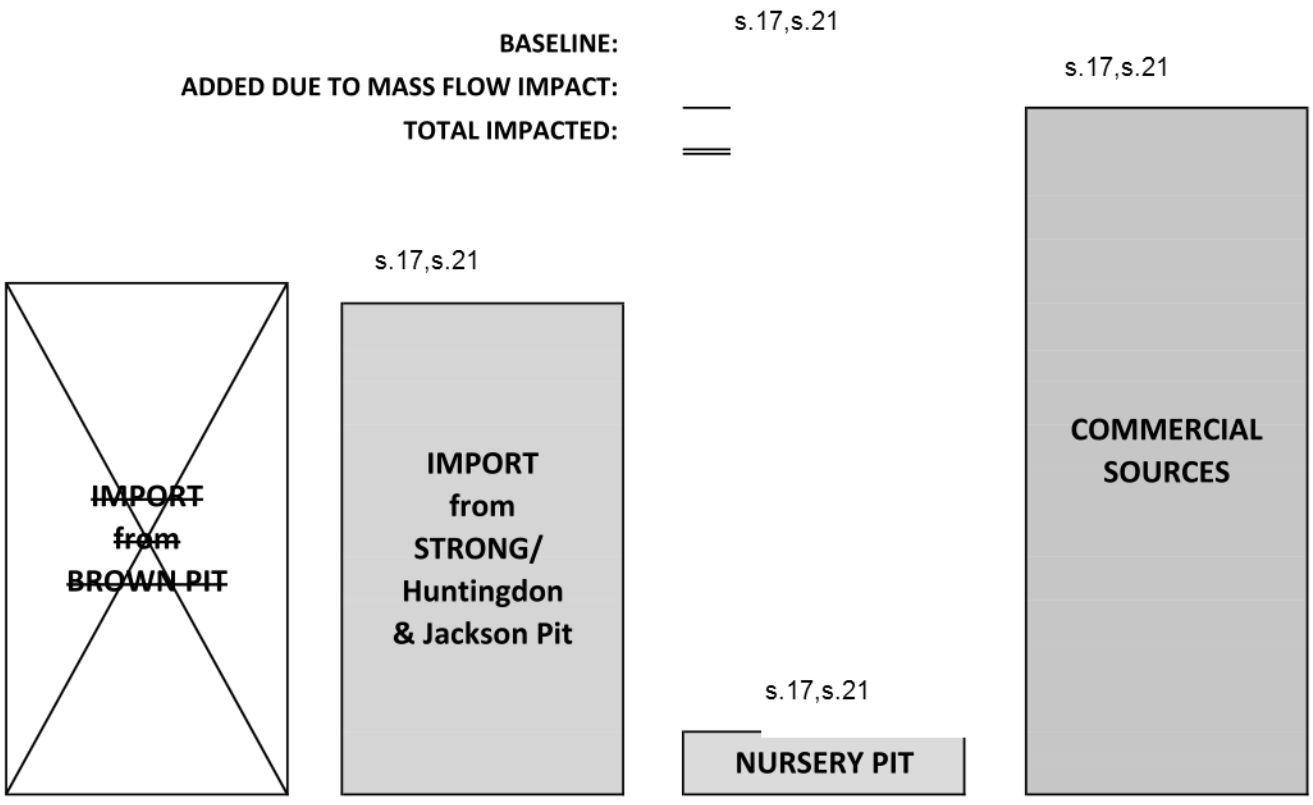


PMH1 GRAVEL IMPORT / SOURCES

BASELINE ESTIMATE QUANTITY

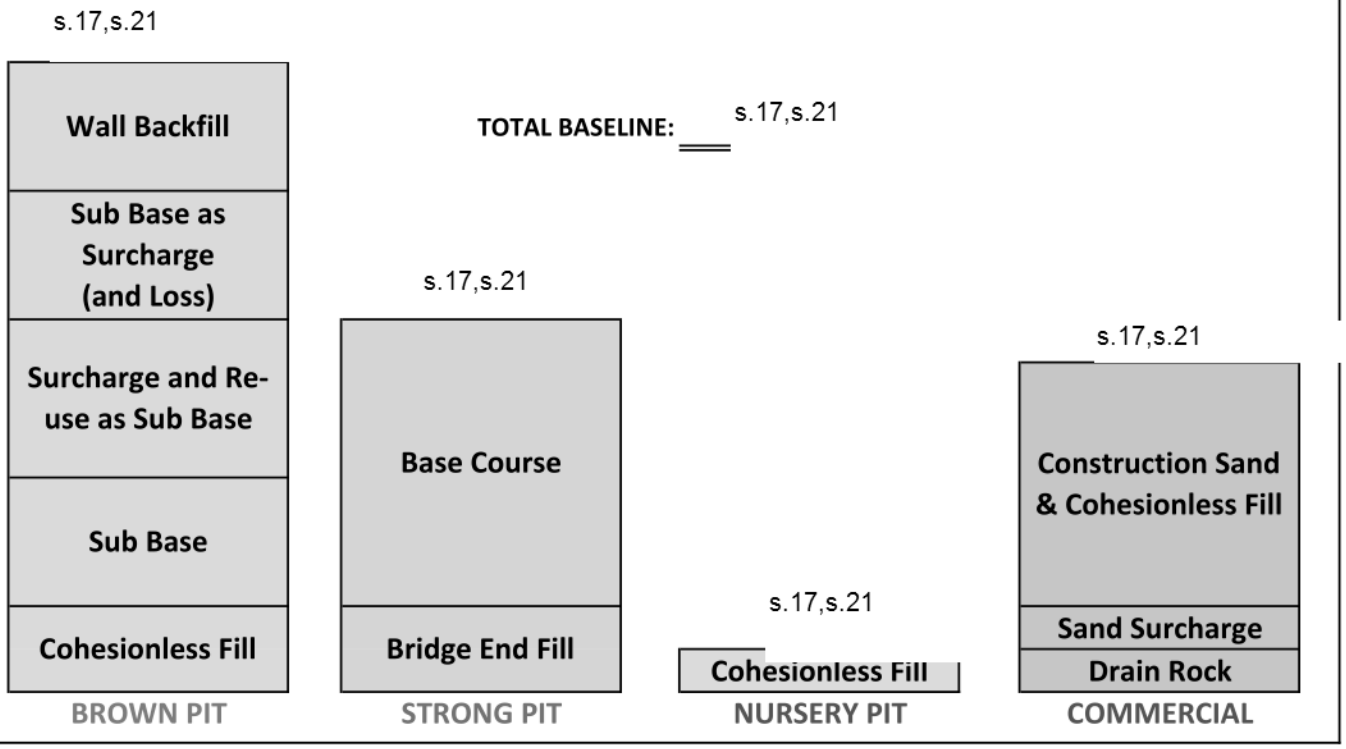


IMPACTED ESTIMATE QUANTITY

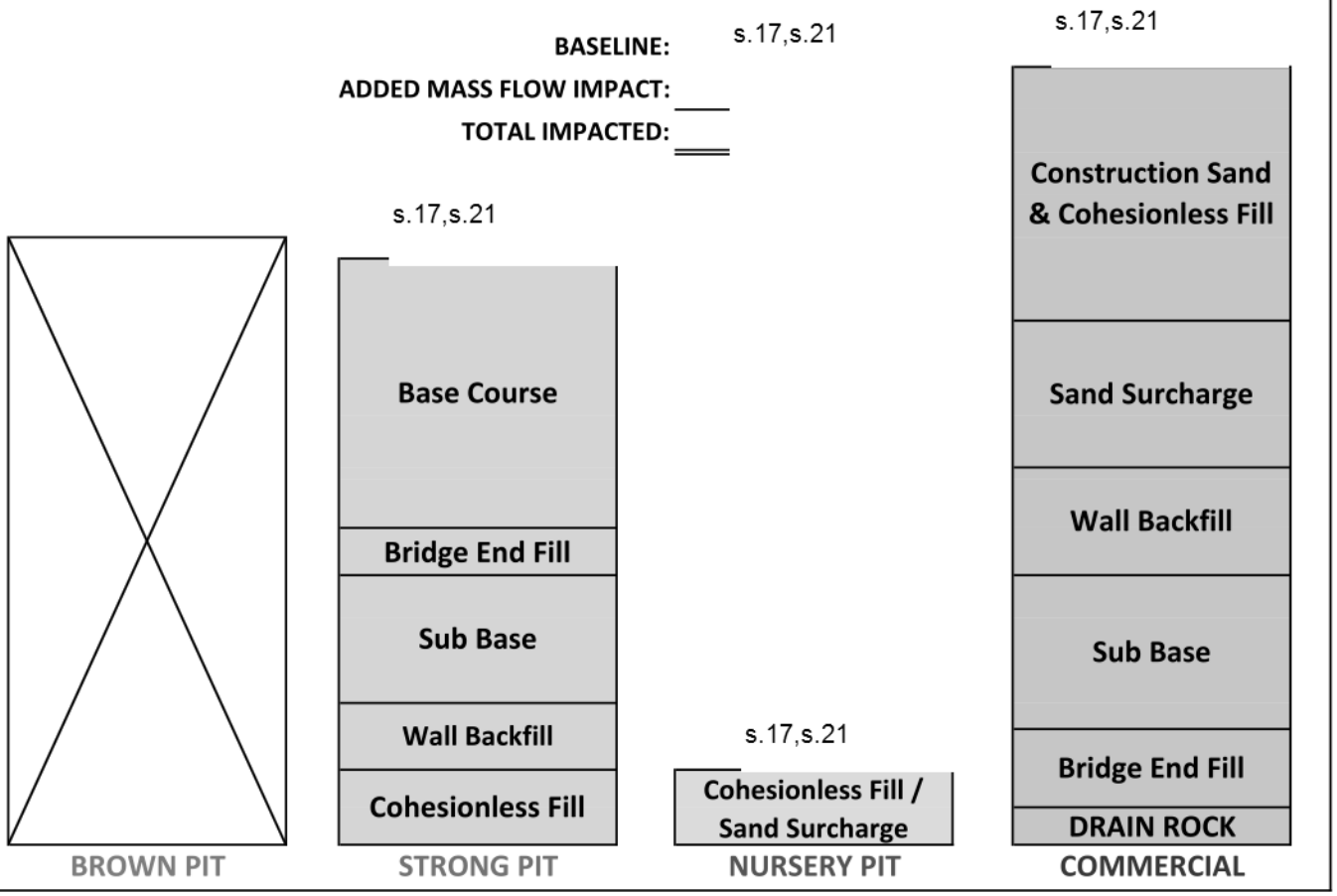


PMH1 GRAVEL IMPORT / SOURCES

BASELINE ESTIMATE QUANTITY



IMPACTED ESTIMATE QUANTITY



Baseline Estimate vs Impacted Quantity Summary

IMPORT QTY., SOURCE OF IMPORT AND TYPE OF GRAVEL (M3)

Doc. Ref.: **CC-0132B-REF-05** PAGE 1 OF 2

All Quantities in M3

2012-May-11

SOURCE	GRAVEL USAGE	BASELINE	IMPACTED
BROWN PIT	MSE/Str. B/F (Brown)	s.17,s.21	
	SGSB from Surcharge (Brown)		
	SGSB (Direct from Brown)		
	Cohesionless Fill (Brown)		
SUB-TOTAL			
STRONG	as WGBC from Strong		
	BEF & MISC (Strong)		
STRONG, JACKSON & HUNTINGDON	SGSB from Strong		
	SGSB from Jackson		
	Sand/Surcharge (Strong/Huntingdon)		
	MSE/Str. B/F (Strong)		
SUB-TOTAL			
NURSERY	Cohesionless Fill NURSERY		
	SAND as Surcharge NURSERY		
SUB-TOTAL			
COMMERCIAL	Cohesionless Fill from Commercial		
	SAND Surcharge from Comm.		
	MSE/Str. B/F Commercial		
	SGSB (& Surcharge) Commercial		
	BEF & Misc. from Commercial		
	Drain Rock		
SUB-TOTAL			
TOTAL			
Mass Flow Impact (SAND / Surcharge)			
GRAND TOTAL IMPORT (M3)			

11-05-2012
1-TRA-2016-63919

Baseline Estimate vs Impacted Quantity Summary

IMPORT QTY., SOURCE OF IMPORT AND TYPE OF GRAVEL (TNE)

Doc. Ref.: **CC-0132B-REF-05** PAGE 2 OF 2

All Quantities in Metric TNE

2012-May-11

SOURCE	GRAVEL USAGE	BASELINE	IMPACTED
BROWN PIT	MSE/Str. B/F (Brown)	s.17,s.21	
	SGSB from Surcharge (Brown)		
	SGSB (Direct from Brown)		
	Cohesionless Fill (Brown)		
SUB-TOTAL			
STRONG	as WGBC from Strong		
	BEF & MISC (Strong)		
STRONG, JACKSON & HUNTINGDON	as SGSB from Strong		
	as SGSB from Jackson		
	Sand/Surcharge (Strong/Huntingdon)		
	MSE/Str. B/F (Strong)		
SUB-TOTAL			
NURSERY	Cohesionless Fill NURSERY		
	SAND as Surcharge NURSERY		
SUB-TOTAL			
COMMERCIAL	Cohesionless Fill Commercial		
	SAND as Surcharge Commercial		
	MSE/Str. B/F Commercial		
	SGSB (& Surcharge) Commercial		
	BEF & Misc. Commercial		
	Drain Rock		
SUB-TOTAL			
Mass Flow Impact (SAND / Surcharge)			
GRAND TOTAL IMPORT (TNE)			

STRONG PIT:

Original Plan: At Strong Pit the plan was to develop areas A & B to make Crushed Base Rock and screened Bridge End Fill.

1" for Base Rock (WGBC) = s.21

Screened Material for Bridge End Fill (BEF) & Salmonid AGG = s.21

TOTAL Gravel from Strong Pit = s.21

and no Waste Dump at Strong Pit

Actual: At Strong Pit the current plan is to extend the original areas A & B to areas to A, B, C, D & E/Huntingdon to make more Crushed Base Rock and also to dump Waste as following:

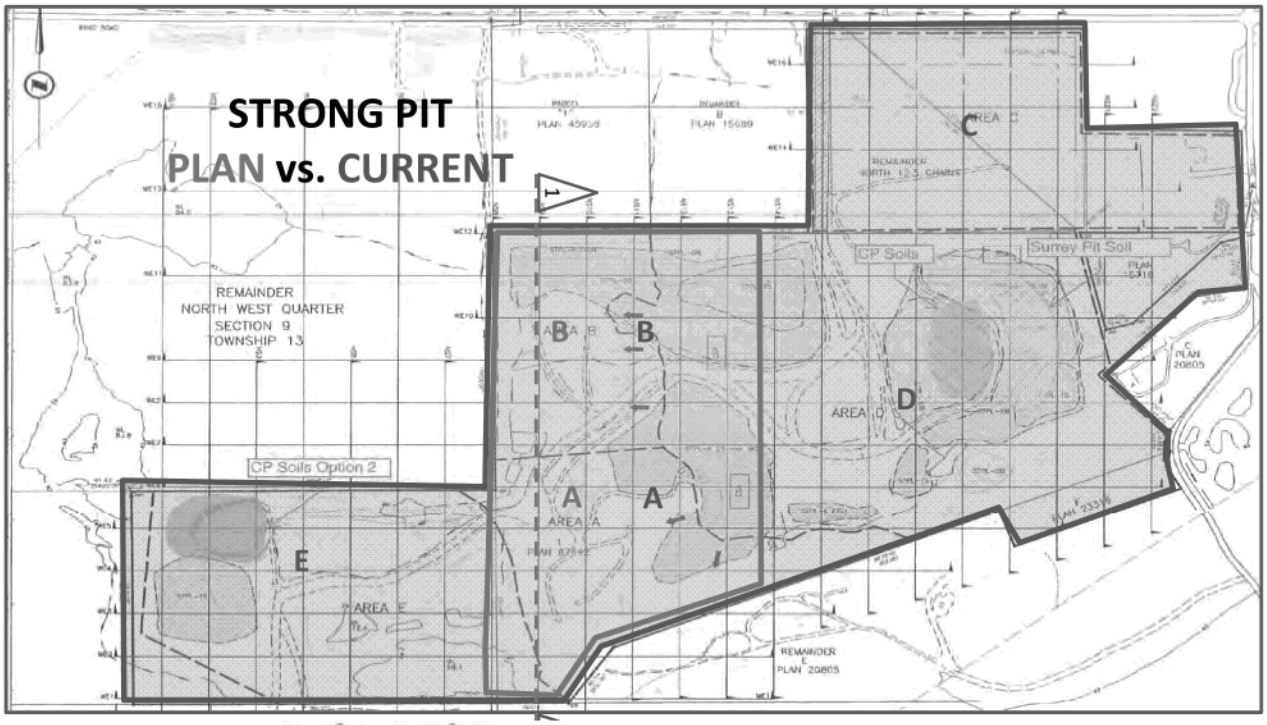
1" for Base Rock & Subbase (SGSB&WGBC) = s.21

SAND = s.21

Screened Material for Bridge End Fill (BEF) = s.21

TOTAL Gravel from Strong Pit = s.21

and Dump Waste s.21 including dump fees @ Huntingdon.



s.21



STRONG PIT STAGE-1

s.21

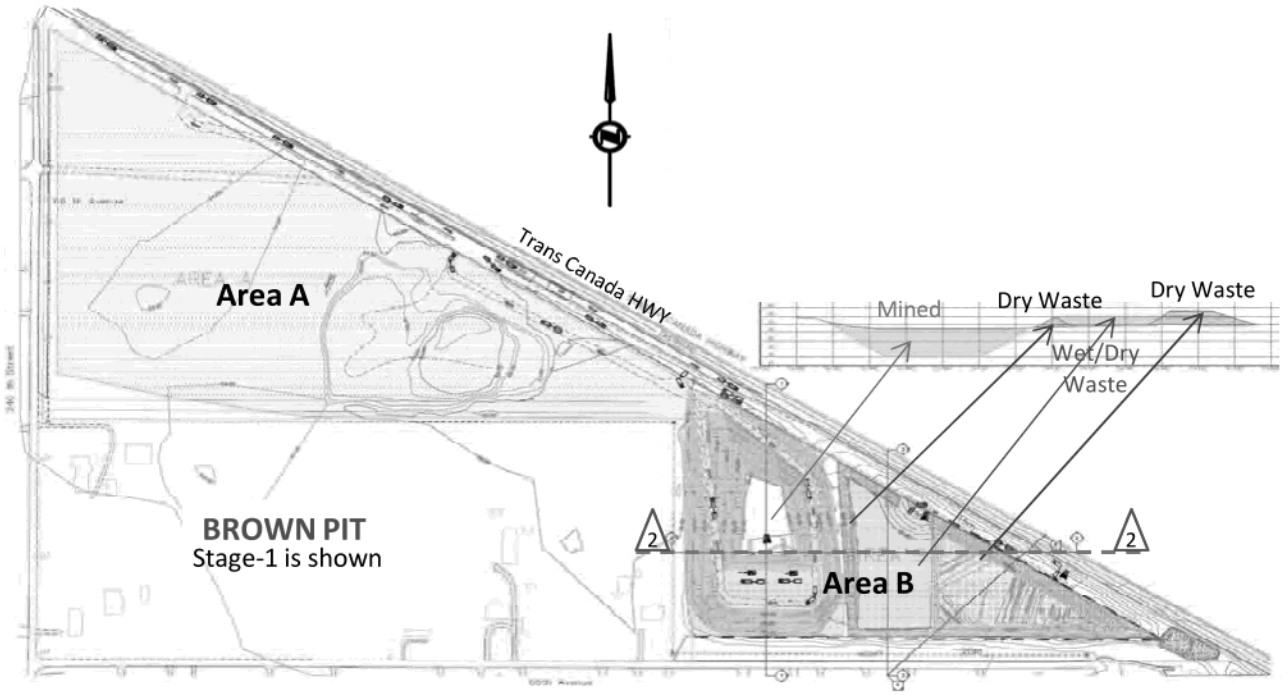


STRONG PIT STAGE-2

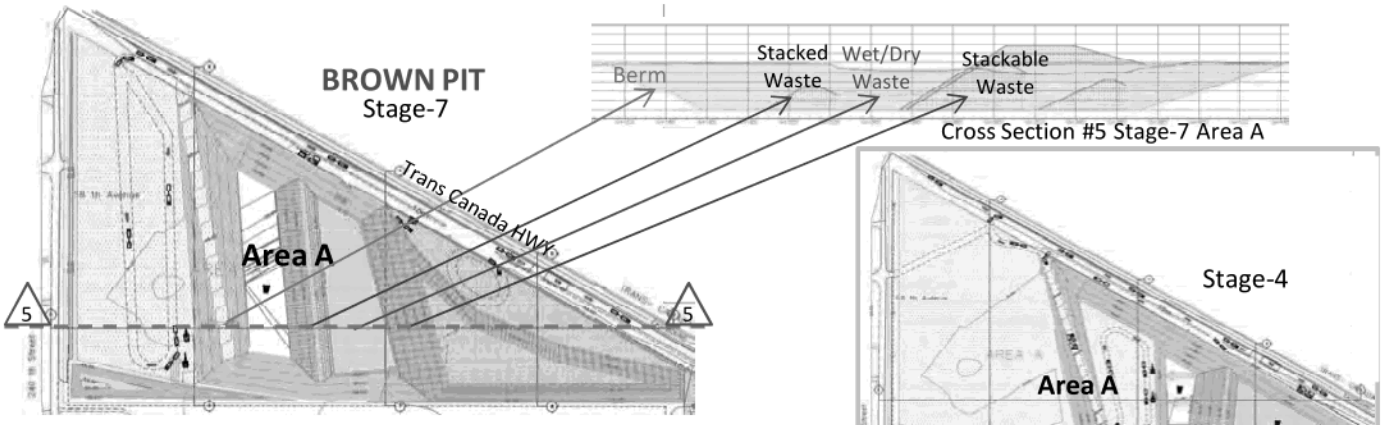
Original Plan: At Brown Pit plan was to mine areas A & B to load and haul material to use as Subbase, MSE Wall backfill, Structural backfill and place as surcharge and re-use the placed surcharge as subbase. Also to begin using the east of Area-B for disposal of waste material from the project and continue dumping waste in the mined area in a 10-stage plan.

Total available material at the pit to mine = s.21

Total usable material = s.21 (silty layer s.21



s.21



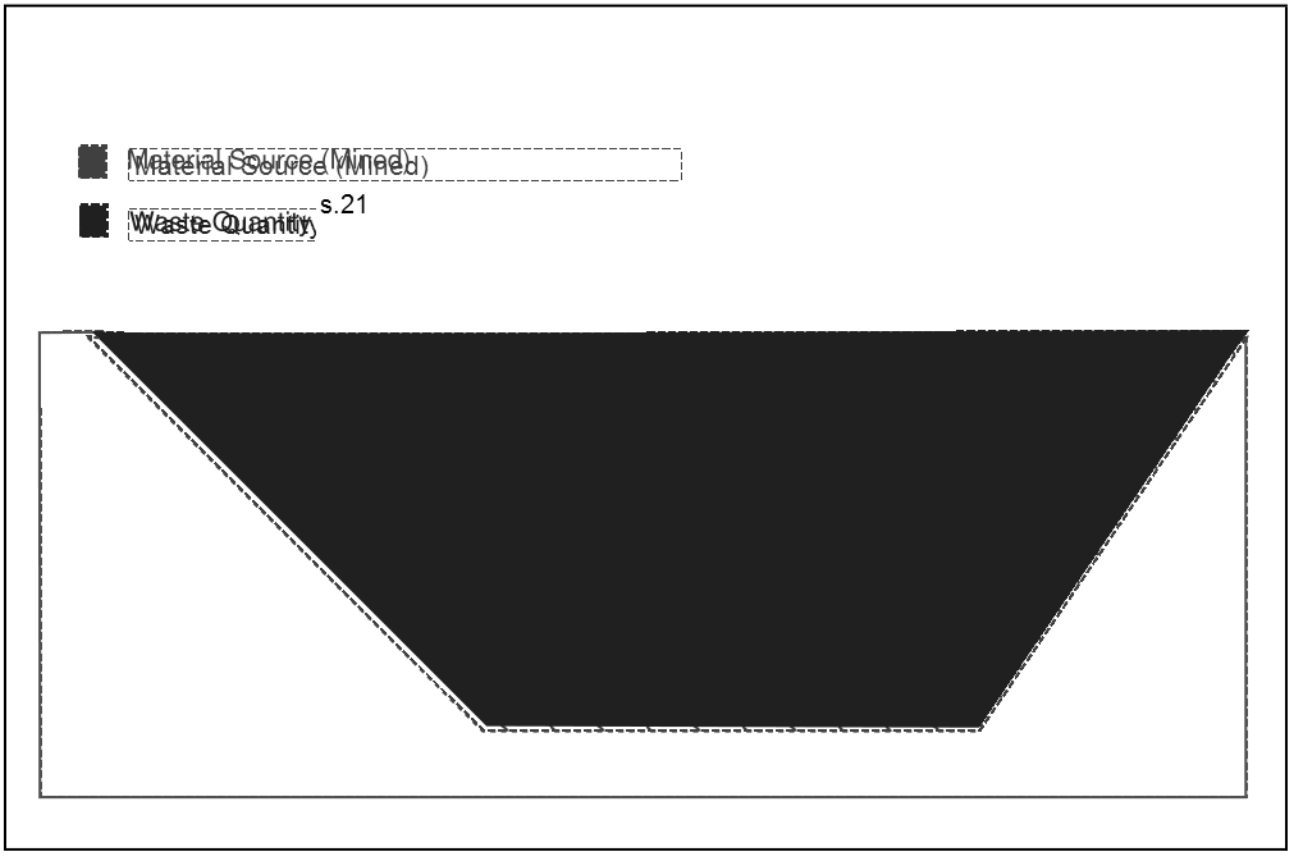
CURRENT PLAN: DELETED

Baseline vs Impacted - Waste Quantities

Comparison Waste to Brown Pit in Baseline and Impacted Estimate

	Baseline Estimate		Impacted Estimate	
	Quantity	Unit	Quantity	Unit
Waste to Brown Pit in Estimate	s.21			
Waste to Commercial dumpsites	s.21			
Waste to Strong/Huntingdon dumpsite				

Brown Pit Material Source & Waste Cross Section



Page 055 to/à Page 056

Withheld pursuant to/removed as

s.21;s.17

Doc Ref.: CC-0132B-REF-09

COMPARISON SHEET FOR IMPORTED GRAVEL / COMPARES ALL PMH1 IMPORT GRAVEL IN BOTH ESTIMATES

T A B L E 1 2 - ALL PMH1 IMPORT IN M3 / BASELINE ESTIMATE

Estimate ITEM#	PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
10110	1458	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-1	s.21	
10110	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
10120	1465	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-2		
10120	1469	AGG-IMPORT M3 Tracking Borrow from NURSERY to SEG-4		
10120	1457	AGG-IMPORT M3 Tracking from BROWN to SEG-4		
10120	1464	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-1		
10120	1466	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-4		
10120 << COHESIONLESS FILL FROM BROWN >>				
10130	1458	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-1		
10130	1459	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-2		
10130	1455	AGG-IMPORT M3 Tracking from BROWN to SEG-1		
10130	1456	AGG-IMPORT M3 Tracking from BROWN to SEG-2		
10130 <<STR. B/F FROM BROWN FOR LIGHTWEIGHT FILL >>				
10200	1455	AGG-IMPORT M3 Tracking from BROWN to SEG-1		
10200	1456	AGG-IMPORT M3 Tracking from BROWN to SEG-2		
10200	1457	AGG-IMPORT M3 Tracking from BROWN to SEG-4		
10200 <<STR. B/F FROM BROWN>>				

T A B L E 1 3 - ALL PMH1 IMPORT IN M3 / IMPACTED ESTIMATE

Estimate ITEM#		PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
10110	10110	1620	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-1	s.21	
	10110	1622	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
10120	10120	1623	AGG-IMPORT M3 Tracking NURSERY Extra Available to SEG-1		
	10120	1636	AGG-IMPORT M3 Tracking Borrow/SAND SEG-1 Commercial Sources		
	10120	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	#4FVP - S	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	#4HP - S	1629	AGG-IMPORT M3 Tracking Borrow SEG-4 Strong/Huntingdon		
	10120	1637	AGG-IMPORT M3 Tracking Borrow/SAND SEG-2 Commercial Sources **		
	#4PK - 3"	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	#4PK SAND	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	#4SP - S	1629	AGG-IMPORT M3 Tracking Borrow SEG-4 Strong/Huntingdon		
10130	10130	1620	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-1		
	10130	1621	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-2		
	10130	1633	AGG-IMPORT M3 Tracking as SGSB SEG-1 from Commercial		
	10130 AW	1633	AGG-IMPORT M3 Tracking as SGSB SEG-1 from Commercial		
	10130	1634	AGG-IMPORT M3 Tracking as SGSB SEG-2 from Commercial		
	10130 AW	1634	AGG-IMPORT M3 Tracking as SGSB SEG-2 from Commercial		
10200	10200	1627	AGG-IMPORT M3 Tracking Borrow SEG-1 Strong/Hunting.		
	10200	1629	AGG-IMPORT M3 Tracking Borrow SEG-4 Strong/Hunting.		
	10200	1628	AGG-IMPORT M3 Tracking Borrow SEG-2 Strong/Hunting.		
			10200 SUBTOTA		
	10200 AW	1627	AGG-IMPORT M3 Tracking Borrow SEG-1 Strong/Hunting.		
	10200 AW	1628	AGG-IMPORT M3 Tracking Borrow SEG-2 Strong/Hunting.		
	10200 AW	1629	AGG-IMPORT M3 Tracking Borrow SEG-4 Strong/Hunting.		
			10200 AW SUBTOTA		

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COMPARISON SHEET FOR IMPORTED GRAVEL / COMPARES ALL PMH1 IMPORT GRAVEL IN BOTH ESTIMATES

TABLE 12 - ALL PMH1 IMPORT IN M3 / BASELINE ESTIMATE

Estimate ITEM#	PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
			s.21	
10125	1455	AGG-IMPORT M3 Tracking from BROWN to SEG-1		
10125	1456	AGG-IMPORT M3 Tracking from BROWN to SEG-2		
10125	1457	AGG-IMPORT M3 Tracking from BROWN to SEG-4		
10125	1465	AGG-IMPORT M3 Tracking Borrow Commercial Sources to SEG-4		
		SUBTOTAL SEG-4 =		
			0	0

Cont'd in Page-3

TABLE 13 - ALL PMH1 IMPORT IN M3 / IMPACTED ESTIMATE

Estimate ITEM#	PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
	10125	1624 AGG-IMPORT M3 Tracking 1" as SGSB STRONG/JACKSON to SEG-1	s.21	
	10125	1624 AGG-IMPORT M3 Tracking 1" as SGSB STRONG/JACKSON to SEG-1		
	10125	1633 AGG-IMPORT M3 Tracking as SGSB SEG-1 from Commercial		
	#1OS SAND	1636 AGG-IMPORT M3 Tracking Borrow/SAND SEG-1 Commercial Sources		
	#1OS WGBC	1633 AGG-IMPORT M3 Tracking as SGSB SEG-1 from Commercial		
	#1NP - S	1649 AGG-IMPORT M3 Tracking NURSERY SEG-1 Completed		
	#1OS SAND	1627 AGG-IMPORT M3 Tracking Borrow SEG-1 Strong/Huntingdon		
	SEG-1 >>	SUBTOTAL SEG-1 (INCLUDING ADDED WEIGHT) =		
			s.21	
	10125	1625 AGG-IMPORT M3 Tracking 1" as SGSB STRONG/JACKSON to SEG-2		
	#2NP - S	1650 AGG-IMPORT M3 Tracking NURSERY SEG-2 Completed		
	#2OS SAND	1628 AGG-IMPORT M3 Tracking Borrow SEG-2 Strong/Huntingdon		
	#2OS SAND	1637 AGG-IMPORT M3 Tracking Borrow/SAND SEG-2 Commercial Sources		
10125 & 10125 AW	10125	1637 AGG-IMPORT M3 Tracking Borrow/SAND SEG-2 Commercial Sources		
	10125	1634 AGG-IMPORT M3 Tracking as SGSB SEG-2 from Commercial		
	10125	1653 AGG-IMPORT M3 Tracking SEG-2 Off-Surcharge Blended Un-usable		
	SEG-2 >>	SUBTOTAL SEG-2 (INCLUDING ADDED WEIGHT) =		
		SEG-2 10125 Baseline TNE>:		
		10125 Added Weight TNE	s.21	
	10125	1626 AGG-IMPORT M3 Tracking 1" as SGSB STRONG/JACKSON to SEG-4		
	#4HP - S	1629 AGG-IMPORT M3 Tracking Borrow SEG-4 Strong/Huntingdon		
	#4NP - S	1651 AGG-IMPORT M3 Tracking NURSERY SEG-4 Completed		
	#4FVP - S	1638 AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	10125	1635 AGG-IMPORT M3 Tracking as SGSB SEG-4 from Commercial		
	#4JAMIE 3"	1638 AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	#4PK - 3"	1638 AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	#4PK SAND	1638 AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	10125	1654 AGG-IMPORT M3 Tracking SEG-4 Off-Surcharge Blended Un-usable		
	SEG-4 >>	SUBTOTAL SEG-4 10125 & 10125 AW =		
		SEG-4 10125 Baseline TNE>:		
		SEG-4 Added Weight TNE :	s.21	
		TOTAL SEG-1, SEG-2 AND SEG-4 IN ITEM 10125 & 10125 AW =		
		TOTAL ADD		
		TOTAL 10125 WITHOUT ADD		
10125 MF	10125 MF	1653 AGG-IMPORT M3 Tracking SEG-2 Off-Surcharge Blended Un-usable		
	10125 MF	1654 AGG-IMPORT M3 Tracking SEG-4 Off-Surcharge Blended Un-usable		

COMPARISON SHEET FOR IMPORTED GRAVEL / COMPARES ALL PMH1 IMPORT GRAVEL IN BOTH ESTIMATES

TABLE 12 - ALL PMH1 IMPORT IN M3 / BASELINE ESTIMATE

Estimate ITEM#	PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
10320	1458	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-1	s.21	
10320	1459	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-2		
10320	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
10320	1455	AGG-IMPORT M3 Tracking from BROWN to SEG-1		
10320	1456	AGG-IMPORT M3 Tracking from BROWN to SEG-2		
10320	1457	AGG-IMPORT M3 Tracking from BROWN to SEG-4		
		<< SGSB FOR DETOURS FROM BROWN		
10335	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
		NO GRAVEL IMP/		
10440	1463	AGG-IMPORT M3 Tracking BEF&Misc. from STRONG to SEG-4		
10440	1464	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-1		
10440	1465	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-2		
10440	1466	AGG-IMPORT M3 Tracking Borrow Commercial Sources to SEG-4		
10440	1470	AGG-IMPORT M3 Tracking DrainRock SEG1,2&4 from Commercial		
		NO GRAVEL IMP/		
10510	1455	AGG-IMPORT M3 Tracking from BROWN to SEG-1		
10510	1456	AGG-IMPORT M3 Tracking from BROWN to SEG-2		
10510	1457	AGG-IMPORT M3 Tracking from BROWN to SEG-4		
		<< MSE WALL BACKFILL FROM BROWN		
For 10510, 10512 & 10515		*<< AGG FOR MSE B/F FROM BROWN >>*		
10510	1470	AGG-IMPORT M3 Tracking DrainRock SEG1,2&4 from Commercial		
10512	1455	AGG-IMPORT M3 Tracking from BROWN to SEG-1		
10512	1456	AGG-IMPORT M3 Tracking from BROWN to SEG-2		
10512	1457	AGG-IMPORT M3 Tracking from BROWN to SEG-4		
		<< 2ND STAGE WALLS BACKFILL FROM BROWN		
10512	1470	AGG-IMPORT M3 Tracking DrainRock SEG1,2&4 from Commercial		

TABLE 13 - ALL PMH1 IMPORT IN M3 / IMPACTED ESTIMATE

Estimate ITEM#		PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
	10320	1620	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-1	s.21	
	10320	1621	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-2		
	10320	1622	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
	10320	1633	AGG-IMPORT M3 Tracking as SGSB SEG-1 from Commercial		
	10320	1626	AGG-IMPORT M3 Tracking 1" as SGSB STRONG/JACKSON to SEG-4		
	10320	1634	AGG-IMPORT M3 Tracking as SGSB SEG-2 from Commercial		
10320			<< SGSB FOR DETOURS FROM BROWN >>		
	10320 AW	1626	AGG-IMPORT M3 Tracking 1" as SGSB STRONG/JACKSON to SEG-4		
	10320 AW	1633	AGG-IMPORT M3 Tracking as SGSB SEG-1 from Commercial		
	10320 AW	1634	AGG-IMPORT M3 Tracking as SGSB SEG-2 from Commercial		
10335	10335	1622	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
			NO GRAVEL IMPACT		
	10440	1632	AGG-IMPORT M3 Tracking BEF/Misc from STRONG to SEG-4		
	10440	1636	AGG-IMPORT M3 Tracking Borrow/SAND SEG-1 Commercial Sources		
10440	10440	1637	AGG-IMPORT M3 Tracking Borrow/SAND SEG-2 Commercial Sources		
	10440	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	10440	1645	AGG-IMPORT M3 Tracking Drain Rock Commercial All Seg's		
			NO GRAVEL IMPACT		
	10510	1626	AGG-IMPORT M3 Tracking 1" as SGSB STRONG/JACKSON to SEG-4		
	10510	1627	AGG-IMPORT M3 Tracking Borrow SEG-1 Strong/Huntingdon.		
	10510	1628	AGG-IMPORT M3 Tracking Borrow SEG-2 Strong/Huntingdon.		
10510 & 10510 AW	#2 DS SAND	1628	AGG-IMPORT M3 Tracking Borrow SEG-2 Strong/Huntingdon.		
	#4SP - S	1629	AGG-IMPORT M3 Tracking Borrow SEG-4 Strong/Huntingdon.		
	10510	1636	AGG-IMPORT M3 Tracking Borrow/SAND SEG-1 Commercial Sources		
	10510	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	#4PK - 3"	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	< GRAVEL FOR MSE WALL BACKFILL STRONG/COMMERCIAL			s.21	>>
	10510	1645	AGG-IMPORT M3 Tracking Drain Rock Commercial All Seg's		
	10512	1636	AGG-IMPORT M3 Tracking Borrow/SAND SEG-1 Commercial Sources		
	10512	1637	AGG-IMPORT M3 Tracking Borrow/SAND SEG-2 Commercial Sources		
10512	10512	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
			<< 2ND STAGE WALL BACKFILL COMMERCIAL	s.21	>
	10512	1645	AGG-IMPORT M3 Tracking Drain Rock Commercial All Seg's		

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COMPARISON SHEET FOR IMPORTED GRAVEL / COMPARES ALL PMH1 IMPORT GRAVEL IN BOTH ESTIMATES

TABLE 12 - ALL PMH1 IMPORT IN M3 / BASELINE ESTIMATE

Estimate ITEM#	PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
10515	1455	AGG-IMPORT M3 Tracking from BROWN to SEG-1	s.21	
10515	1456	AGG-IMPORT M3 Tracking from BROWN to SEG-2		
10515	1457	AGG-IMPORT M3 Tracking from BROWN to SEG-4		
		<< CIP WALLS BACKFILL FROM BROWN >>		
10515	1470	AGG-IMPORT M3 Tracking DrainRock SEG1,2&4 from Commercial		
10610	1461	AGG-IMPORT M3 Tracking BEF&Misc. from STRONG to SEG-1		
10610	1462	AGG-IMPORT M3 Tracking BEF&Misc. from STRONG to SEG-2		
10610	1463	AGG-IMPORT M3 Tracking BEF&Misc. from STRONG to SEG-4		
10610	1463	AGG-IMPORT M3 Tracking BEF&Misc. from STRONG to SEG-4		
		<< BRIDGE END FILL & MISC. AGG FROM STRONG >>		
10610	1463	AGG-IMPORT M3 Tracking BEF&Misc. from STRONG to SEG-4 deletion		
			s.21	
		+ FISH AGG & COBBLE:	s.21	
10705	1458	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-1		
10705	1459	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-2		
10705	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
		NO GRAVEL IMPAC		
10715	1458	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-1		
10715	1459	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-2		
10715	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
10845	1463	AGG-IMPORT M3 Tracking BEF&Misc. from STRONG to SEG-4		
10850	1464	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-1		
10850	1465	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-2		
10850	1470	AGG-IMPORT M3 Tracking DrainRock SEG1,2&4 from Commercial		
10850	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
10850	1463	AGG-IMPORT M3 Tracking BEF&Misc. from STRONG to SEG-4		
10850	1466	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-4		
10850	1457	AGG-IMPORT M3 Tracking from BROWN to SEG-4		
10850		*<< NEGATIVE QTY. GEC DELETION CREDIT BACK >>*		

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TABLE 13 - ALL PMH1 IMPORT IN M3 / IMPACTED ESTIMATE

Estimate ITEM#	PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
	10515	1636 AGG-IMPORT M3 Tracking Borrow/SAND SEG-1 Commercial Sources	s.21	
	10515	1637 AGG-IMPORT M3 Tracking Borrow/SAND SEG-2 Commercial Sources		
	10515	1638 AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
10515		<< CIP WALLS BACKFILL FROM COMMERCIAL	s.21	
	10515	1645 AGG-IMPORT M3 Tracking Drain Rock Commercial All Seg's		
	10610	1630 AGG-IMPORT M3 Tracking BEF/Misc from STRONG to SEG-1		
	10610	1631 AGG-IMPORT M3 Tracking BEF/Misc from STRONG to SEG-2		
	10610	1632 AGG-IMPORT M3 Tracking BEF/Misc from STRONG to SEG-4		
	10610	1632 AGG-IMPORT M3 Tracking BEF/Misc from STRONG to SEG-4		
		<< BRIDGE END FILL & MISC. AGG FROM STRONG >>		
10610	10610	1632 AGG-IMPORT M3 Tracking BEF/Misc from STRONG to SEG-4 deletions		
	10610	1639 AGG-IMPORT M3 Tracking BEF/Misc SEG-1 Commercial Sources		
	10610	1640 AGG-IMPORT M3 Tracking BEF/Misc SEG-2 Commercial Sources		
	10610	1641 AGG-IMPORT M3 Tracking BEF/Misc SEG-4 Commercial Sources		
		<< NEED TO PURCHASE BRIDGE END FILL & MISC. AGG FROM COMMERCIAL ***>>		
		***By producing more SGSB @ Strong, Need to buy Bridge End Fill Replacement from Commercial		
			s.21	
	10705	1620 AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-1		
10705	10705	1621 AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-2		
	10705	1622 AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
		NO GRAVEL IMPACT		
	10715	1620 AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-1		
10715	10715	1621 AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-2		
	10715	1622 AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
10845	10610	1632 AGG-IMPORT M3 Tracking BEF/Misc from STRONG to SEG-4		
	10850	1636 AGG-IMPORT M3 Tracking Borrow/SAND SEG-1 Commercial Sources		
	10850	1637 AGG-IMPORT M3 Tracking Borrow/SAND SEG-2 Commercial Sources		
	10850	1645 AGG-IMPORT M3 Tracking Drain Rock Commercial All Seg's		
10850	10850	1622 AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
	10850	1632 AGG-IMPORT M3 Tracking BEF/Misc from STRONG to SEG-4		
	10850	1638 AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
	10850	1626 AGG-IMPORT M3 Tracking 1" as SGSB STRONG/JACKSON to SEG-4		

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COMPARISON SHEET FOR IMPORTED GRAVEL / COMPARES ALL PMH1 IMPORT GRAVEL IN BOTH ESTIMATES

TABLE 12 - ALL PMH1 IMPORT IN M3 / BASELINE ESTIMATE

Estimate ITEM#	PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
			s.21	
11010	1470	AGG-IMPORT M3 Tracking DrainRock SEG1,2&4 from Commercial		
11015	1458	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-1		
11015	1459	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-2		
11015	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
11100	1464	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-1		
11100	1465	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-2		
11100	1466	AGG-IMPORT M3 Tracking Borrow Commercial to SEG-4		
11135	1459	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-2		
11135	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
11210	1458	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-1		
11210	1459	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-2		
11210	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
11215	1458	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-1		
11215	1459	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-2		
11215	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
51405	1457	AGG-IMPORT M3 Tracking from BROWN to SEG-4		
51405	*<< MSE B/F PMB >>*			
51600	1463	AGG-IMPORT M3 Tracking BEF&Misc. from STRONG to SEG-4		
51600	1460	AGG-IMPORT M3 Tracking as WGBC from STRONG to SEG-4		
		TOTAL in BASELINE		

Cont'd in Page-6

TABLE 13 - ALL PMH1 IMPORT IN M3 / IMPACTED ESTIMATE

Estimate ITEM#	PLUG#	DESCRIPTION	QUANITY M3	QUANITY TNE
			s.21	
11010 11010	1645	AGG-IMPORT M3 Tracking Drain Rock Commercial All Seg's		
11015	1620	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-1		
11015 11015	1621	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-2		
11015	1622	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
11100	1627	AGG-IMPORT M3 Tracking Borrow SEG-1 Strong/Huntingdon.		
11100 11100	1628	AGG-IMPORT M3 Tracking Borrow SEG-2 Strong/Huntingdon.		
11100	1629	AGG-IMPORT M3 Tracking Borrow SEG-4 Strong/Huntingdon.		
11135	1621	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-2		
11135 11135	1622	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
11210	1620	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-1		
11210 11210	1621	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-2		
11210	1622	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
11215	1620	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-1		
11215 11215	1621	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-2		
11215	1622	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
51405	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
51405 51405 AW	1638	AGG-IMPORT M3 Tracking Borrow/SAND SEG-4 Commercial Sources		
51600 51600	1632	AGG-IMPORT M3 Tracking BEF/Misc from STRONG to SEG-4		
51600 51600	1622	AGG-IMPORT M3 Tracking 1" as WGBC STRONG to SEG-4		
		TOTAL M3 in IMPACTED w/o Material Flow		
		Material Flow Import '10125 MF'		
		TOTAL M3 w/ Material Flow		

COMPARISON SHEET FOR IMPORTED GRAVEL / COMPARES ALL PMH1 IMPORT GRAVEL IN BOTH ESTIMATES

TABLE 12 - ALL PMH1 IMPORT IN M3 / BASELINE ESTIMATE

s.21

QTY. IN ESTIMATE & MASSFLOW **[BASELINE]** / Pit Sorted

PIT / SOURC
NURSERY usage TOTA
BROWN usage TOTA
STRONG usage TOTA
COMMERCIAL / BORROV
COMMERCIAL / DRAINROC
TOTAL Volume IMPORTED AGG in Baseline Estimat

s.21

QTY. IN ESTIMATE & MASSFLOW **[BASELINE]** / Type Sorted

TOTAL MSE/Str. B/F (Brown
SGSB and Surcharge (Brown
Other (Brown
BORROW Commercia
WGBC from Stron
BEF & MISC (Strong
Drain Rocl
NURSERY usage TOTA

TABLE 13 - ALL PMH1 IMPORT IN M3 / IMPACTED ESTIMATE

s.21

QTY. IN IMPACTED ESTIMATE	
MoT Sources	NURSERY [SAND]
	BROWN
	STRONG SAND
	Huntingdon SAND
	Jakson Pit as SGSB
	STRONG as SGSB
	STRONG as WGBC
	STRONG BEF&Misc
Commercial	COMMERCIAL / BORROW
	COMMERCIAL as SGSB
	Commercial BEF&Misc
	COMMERCIAL / DRAINROCK
Sub-Total	
Commercial Borrow (Mass Flow	
TOTAL Volume IMPORTED AGG in Impacted Estimate	

Added Weight (SGSB&SAND)
Added Weight (SGSB ITEM 10125 AW & 10320
Added Weight (SAND)

COMPARISON SHEET FOR WASTE QTY. / BASELINE vs IMPACTED / THIS SHEET COMPARES QTY. FOR EACH ITEM IN BASELINE AND IMPACTED ESTIMATE

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TABLE - 10 BASELINE ESTIMATE RECOUP

ITEM #	PLUG #	WASTE TO OFFSITE	SEGMENT	SubTotal QTY (M3)		QTY (M3)
10105	1449	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	4,880	53,980	216,000
	1450	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	11,600		
	1451	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	37,500		
	1452	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	14,620	162,020	
	1453	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	34,900		
	1454	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	112,500		
10115	1449	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	24,500	204,740	818,956
	1450	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	88,650		
	1451	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	91,590		
	1452	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	73,500	614,216	
	1453	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	265,950		
	1454	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	274,766		
10200	1449	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	14,500	27,150	54,300
	1450	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	7,750		
	1451	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	4,900		
	1452	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	14,500	27,150	
	1453	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	7,750		
	1454	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	4,900		
10320	1450	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	9,300	29,000	29,000
	1451	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	19,700		
10440	1450	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	12,425	19,400	77,600
	1451	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	6,975		
	1453	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	37,275	58,200	
	1454	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	20,925		
10500	1449	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	10,850	70,000	140,000
	1450	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	11,150		
	1451	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	48,000		
	1452	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	10,850	70,000	
	1453	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	11,150		
	1454	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	48,000		
10850	1449	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	8,500	30,835	123,338
	1450	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	18,025		
	1451	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	4,310		
	1452	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	25,500	92,503	
	1453	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	54,075		
	1454	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	12,928		
11320	1449	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	15,800	170,396	170,396
	1450	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	15,000		
	1451	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	139,596		
51405	1451	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	23,410	23,410	23,410
GRAND TOTAL WASTE QTY. TO OFFSITE IN THE BASELINE ESTIMATE						1,653,000
TOTAL BACKHAUL TO OFFSITE & AVERAGE % IN THE ESTIMATE						1,024,089

TABLE - 11 IMPACTED ESTIMATE RECOUP

ITEM #		PLUG #	WASTE TO OFFSITE	SEGMENT	SubTotal QTY (M3)		QTY (M3)
10105 #1HWC	Completed	1613	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	12,159.70	102,800	216,000
10105 #2HWC		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	20,500		
10105 #4HWC		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	42,655.84		
10105 #1HWC		1614	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	7,340.30		
10105 #4HWC		1618	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	20,144.16		
10105	Remaining	1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	13,000	113,200	
		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	21,800		
		1617	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	13,000		
		1618	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	65,400		
10115 #1HWC	Completed	1613	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	21,450.95	271,010	818,956
10115 #2HWC		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	48,000		
10115 #4HWC		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	128,110.16		
10115 #1HWC		1614	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	12,949.05		
10115 #4HWC		1618	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	60,499.84		
10115	Remaining	1613	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	31,800	547,946	
		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	166,150		
		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	14,530		
		1614	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	31,800		
		1617	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	140,450		
		1618	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	163,216		
10200 #2HWC		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	10,500	10,500	54,300
10200	Remaining	1613	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	14,500	43,800	
		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	2,500		
		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	4,900		
		1614	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	14,500		
		1617	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	2,500		
		1618	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	4,900		
10320		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	9,300	29,000	29,000
		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	19,700		
10440 #2HWC		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	20,000	20,000	57,600
10440	Remaining	1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	14,850	21,825	
10440		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	6,975		
10440		1617	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	14,850	35,775	
10440		1618	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	20,925		
10500 #1HWC	Completed	1613	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	5,749.35	19,220	140,000
10500 #1HWC		1614	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	3,470.65		
10500 #2HWC		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	10,000		
10500	Remaining	1613	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	6,240	60,390	
		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	6,150		
		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	48,000		
		1614	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	6,240		
		1617	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	6,150	60,390	
		1618	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	48,000		
10850 #2HWC		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	15,700	15,700	123,338
10850	Remaining	1613	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	8,500	26,910	
		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	14,100		
		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	4,310		
		1614	Waste to Off-Site Tracking - SEG1 **BackHaul**	SEG-1	25,500		
		1617	Waste to Off-Site Tracking - SEG2 **BackHaul**	SEG-2	42,300	80,728	
		1618	Waste to Off-Site Tracking - SEG4 **BackHaul**	SEG-4	12,928		
11320 #2HWC		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	13,100	13,100	170,396
11320	Remaining	1613	Waste to Off-Site Tracking - SEG1 Haul	SEG-1	15,800	157,296	
11320		1615	Waste to Off-Site Tracking - SEG2 Haul	SEG-2	1,900		
11320		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	139,596		
51405		1616	Waste to Off-Site Tracking - SEG4 Haul	SEG-4	23,410	23,410	23,410
GRAND TOTAL QTY IN THE ESTIMATE (INCLUDING POUND ITEMS)					1,653,000		1,633,000
REMAINING WASTE TO OFFSITE IN THE ESTIMATE (# ITEMS EXCLUDED)					1,200,670		
BACKHAUL QTY IN IMPACTED ESTIMATE (# items excluded)					612,659		

Page 064 to/à Page 065

Withheld pursuant to/removed as

s.21

Port Mann/Highway 1 Improvement Project

Transportation Investment Corporation

February 2, 2012

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-120202-AR1

Previous References: N/A

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear W.H. (Bill) Murphy,

s.17

Sincerely,

P.P.

Gary Webster
Authority's Representative
Transportation Investment Corporation

Attachment: s.17

Cc: Garry Dawson TI Corp
Gerry Fleming TI Corp
Stephen Docherty TI Corp
Duane Neufeld TI Corp

Page 067

Withheld pursuant to/removed as

s.21;s.17

Kiewit
FLATIRON
general partnership

June 6, 2012

File: KF-TIC-LTR-2012.0797.0

Ref: (1) LTR-CNG-KF-120601-AR2

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: CC-0132B Gravel s.17 **to Total Completion, Winter Gravels in CC-0129 Acceleration Measures**

K/F writes in response to TI Corp's letter of June 1, 2012 (Ref: 1).

TI Corp's inference that K/F has no further need for the Winter Gravel within CC-0129 is incorrect. K/F intends to utilize all of the Winter Gravel quantity in CC-0129. The Change Report for CC-0132 states that a credit has been included within CC-0132 against the Winter Gravels payment under CC-0129. That credit is condition precedent upon K/F billing for and getting paid for the full Winter Gravel quantity and authorized cost set out in CC-0129.

K/F has requested a meeting with Thomas Krikke to address TI Corp's questions regarding gravel and waste quantities.

K/F is looking forward to meeting with TI Corp to finalize Authority Change CC-0132.

Sincerely,

Kiewit/Flatiron General Partnership

W.H. (Bill) Murphy
Project Director

E-mail Message

From: Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To: tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:
Sent: 2012-09-16 at 11:42 AM
Received: 2012-09-16 at 11:42 AM
Subject: Re: s.17
s.17

Thomas,

Thanks for the prompt responses and I will review next week.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Friday, September 14, 2012 10:40 AM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Â

Hello Rodney:

Â

I will answer as best I can to your questions below.Â Understanding that some may be limited by the stage of the review I am in, the changing nature of KFGPâs approach, the meetings on our side (of which I do not attend all), and the strategy of TICorp (which I am not party to).

Â

I will provide one response for each question or block of questions . . . as otherwise the attachments and the wording would get too confusing.

Â

Please advise on any of these if I can be of further assistance.

Thomas.

Â

Â

Â

Â

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

Â

s.17

Â

Â

Dec-11

Jan-12

Feb-12

Mar-12

Apr-12

May-12

Jun-12

Jul-12

TO GO

TOTAL

DR37

DR38

DR39

DR41

DR42

DR43

DR44

DR45

TO GO

s.17

Page 072 to/à Page 074

Withheld pursuant to/removed as

s.17

s.17

Â

All for now.

Â

Regards,

Rodney Chapman

****
Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
be incorrect or incomplete or should the law or its interpretation change, our advice may be
inappropriate. We are not responsible for updating our advice for changes in law or interpretation after the date hereof. The advice or other information provided herein is
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copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.
****

E-mail Message

From: Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To: Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:
Sent: 2012-09-16 at 11:47 AM
Received: 2012-09-16 at 11:47 AM
Subject: Fw: s.17

Attachments: s.17

Pat,

Please print all off.

Txs,

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 08:52 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

My response to question #2 below, same qualifications as previous email.

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 077

Withheld pursuant to/removed as

s.13;s.17

s.13,s.17

All for now.

Regards,

Rodney Chapman

****
Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
be incorrect or incomplete or should the law or its interpretation change, our advice may be
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****

Kiewit
FLATIRON
general partnership

Draw Request #44

PORT MANN/HIGHWAY 1 PROJECT

Segment 2 s.17

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 0128 CENTRAL SEGMEN s.17	TBD	s.17,s.21			
Subtotal	TBD				

Total Amount Billed This Period (Excluding HST) s.17,s.21

Progress Not Billed

"The values being billed only represent partial amounts for the items listed, which themselves are not exhaustive. Additional costs to the items listed and additional items may be identified at a later date. The submittal of the aforementioned partial amounts does not limit K/F's right in any way to seek additional compensation at any time for any item performed for the purpose of the Change in Costs for work associated with CC-0128."

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

22 JUNE 2012
Date Reviewed

Kiewit
FLATIRON

TI CORP #		DESCRIPTION OF WORK	To-Date Billed	Previously Billed	Current Period Billing
D3		s.17	s.17,s.21		
D3.01					
D3.02					
D3.03					
D3.04		s.17 Crew s.17			
		Subtotal for D3 -			
D4		s.17			
D4.01		Material Flow Change In Costs (Partial Item)			
D4.02		Additional Detour Scope			
D4.03		All Weather Rock s.17 For Over Excavation			
D4.04		Additional SOE (Partial Item)			
D4.05		Utility Spotters & Rail Flaggers (Partial Item)			
D4.06		Temp Access (Partial Item)			
D4.07		Trucking Change In Costs (Partial Item)			
D4.08		s.17			
D4.09					
D4.10					
D4.11					
D4.12		LTC Extension			
D4.13		Additional Sub & Sub s.17 - (Partial Item)			
D4.14		Segment Delivery Change In Costs (Partial Item)			
D4.16		Dewatering (Partial Item)			
D4.17		**Design Impacts - (Partial Item)**			
D4.18		Additional Field Support - (Partial Item) (MH Based - TC, ECM, ENV, QC, SV) (Partial Item)			
D4.19	N7	Additional Field Equipment (Partial Item)			
D4.20	N2	Concrete Heating and Hoarding (Partial Item)			
D4.21	N3	Existing CP Rail Contamination Remediation (Partial Item)			
D4.22	N5	Kinder Morgan Mitigation/Betterment (Partial Item)			
D4.23	N6	Design and Construction of Temporary Drainage			
D4.24	N9	Formwork Materials (Partial Item)			
D4.25	N11	Overbuild Surcharges to Accelerate Settlement (Partial Item)			
D4.26	N21	Telus Utility Relocate (Partial Item)			
		Subtotal for D4 -			

s.17,s.21

"The values being billed only represent partial amounts for the items listed, which themselves are not exhaustive. Additional costs to the items listed and additional items may be identified at a later date. The submittal of the aforementioned partial amounts does not limit K/F's right in any way to seek additional compensation at any time for any item performed for the purpose of the Change in Costs for work associated with CC-0128."

Segment Reviewed

Transportation Investment Corporation
Authority

Howard Brens 22 JUNE 2012

Kiewit-Flatiron General
Partnership
Constructor

Date Reviewed

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D3.01
Title Overtime s.17 - Segment 2
Subgroup NA
Estimator Kara Gwin
Date June 15, 2012

Line	Cost Type	Total Dollars s.21
1	CMS Labour 2011.12.20 to 2012.05.26	
2	ST Labour 2011.12.20 to 2012.05.26	
3	CMS Maint 2011.12.20 to 2012.05.26	
4	ST Maint 2011.12.20 to 2012.05.26	
5	Progress Draws 41 thru 43	
	Total	

Summary of s.17 Item

s.17

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D3.01
Title s.17
Subgroup NA
Estimator Kara Gwin

Date	EMP Name	Base Rate	Craft Description	Category Class	Hrs	ST Amt (Inc. CLAC Prem.)	Emp #	Costcode Description	HR 1	HR 2	HR 3	CMS HRS	CMS AMT
5/26/2012	s.21												
5/26/2012													
5/26/2012													
5/26/2012													
5/26/2012													
5/26/2012													
5/26/2012													
5/26/2012													
5/26/2012													

s.21 s.21

** Above is an example of the comprehensive spreadsheet totals to match to the summary on D3.01. Back-up file included would be over 1,394 pages (Available on Request/As Needed)

Port Mann Highway 1
Labour Pricing Sheet

TI CORP # D3.01
Title s.17
Subgroup NA
Estimator Kara Gwin

Kiewit FLATIRON

Date	EMP Name	Base Rate	Craft Description	Category Class	Hrs	ST Amt (Inc. CLAC Prem.)	Emp #	Costcode Description	HR 1	HR 2	HR 3	CMS HRS	CMS AMT
5/26/2012	s.21												
5/26/2012													
5/26/2012													
5/26/2012													
5/26/2012													
5/26/2012													
5/26/2012													

s.21

s.21

** Above is an example of the comprehensive spreadsheet totals to match to the summary on D3.01. Back-up file included would be over 165 pages (Available on Request/As Needed)

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D3.03
Title s.17 Labour & Equipment (Base Scope)
Subgroup NA
Estimator Brad Kirkpatrick
Date June 15, 2012

Pages	Cost Type	Total Dollars
5 - 6	D3.03A - Segment 1	s.21
7 - 8	D3.03B - Segment 2	
9 - 10	D3.03C - Segment 4	

Total

Summary of s.17 **Item**

See attached summaries.

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D3.03A
Title s.17 Labour & Equipment (Base Scope) - Segment 1
Subgroup NA
Estimator Brad Kirkpatrick
Date June 15, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	

Total

Summary of s.17 Item

s.17

Page 087

Withheld pursuant to/removed as

s.21

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D3.03
Title s.17 Labour & Equipment (Base Scope) - Segment 2
Subgroup NA
Estimator Brad Kirkpatrick
Date May 22, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	

Total

Summary of s.17 **Item**

s.17

Page 089

Withheld pursuant to/removed as

s.21

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D3.03C
Title s.17 Labour & Equipment (Base Scope) - Segment 4
Subgroup NA
Estimator Brad Kirkpatrick
Date May 22, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	

Total

Summary of s.17 **Item**

s.17

Page 091

Withheld pursuant to/removed as

s.21

Port Mann Highway 1
s.1 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.01
s.17,s.21

Page 093 to/à Page 094

Withheld pursuant to/removed as

s.21;s.17

Kiewit FLATIRON

s.17,s.21

DATE	FROM	TO	MATERIAL	Dispatch Company
11-Apr-12	Lafarge	5902	construction sand	OR
11-Apr-12	Lafarge	5902	construction sand	KF
27-Apr-12	Lafarge	5902	construction sand	KF
		5902 Total	Schedule critical	
20-Mar-12	Lafarge	5905		OR
		5905 Total	Schedule critical	
19-Mar-12	Lafarge	5910		OR
20-Mar-12	Lafarge	5910		OR
21-Mar-12	Lafarge	5910		OR
22-Mar-12	Lafarge	5910		OR
24-Apr-12	Lafarge	5910		OR
		5910 Total	Schedule critical	
21-Dec-11	Strong Pit	8343		KF
27-Mar-12	Strong Pit	8343		OR
		8343 Total	Schedule critical	
11-Jan-12	Strong Pit	8372		OR
12-Jan-12	Strong Pit	8372		OR
		8372 Total	Schedule critical	
10-Jan-12	Strong Pit	8379		KF
11-Jan-12	Strong Pit	8379		OR
11-Jan-12	Strong Pit	8379		OR
13-Jan-12	Strong Pit	8379		OR
13-Jan-12	Strong Pit	8379		OR
13-Jan-12	Strong Pit	8379		OR
22-Jan-12	Strong Pit	8379		OR
23-Jan-12	Strong Pit	8379		OR
25-Jan-12	Strong Pit	8379		OR
26-Jan-12	Strong Pit	8379		OR
27-Jan-12	Strong Pit	8379		KF
27-Jan-12	Strong Pit	8379		OR
27-Jan-12	Strong Pit	8379		OR
28-Jan-12	Strong Pit	8379		KF
28-Jan-12	Strong Pit	8379		OR
28-Jan-12	Strong Pit	8379		OR
22-May-12	Strong Pit	8379		OR
		8379 Total	Schedule critical	
15-Feb-12	Lafarge	8389	construction sand	OR
29-Feb-12	Nursery	8389	sand	OR
1-Mar-12	Nursery	8389	sand	OR
1-Mar-12	Nursery	8389	sand	OR
2-Mar-12	Nursery	8389	sand	OR
5-Mar-12	Nursery	8389	sand	OR
6-Mar-12	Nursery	8389	sand	OR
6-Mar-12	Nursery	8389	sand	OR
		8389 Total	Crew balancing between critical activities	
30-Jan-12	Lafarge	8391	construction sand	OR
30-Jan-12	Strong Pit	8391	1" road base	OR
1-Feb-12	Lafarge	8391	construction sand	OR
3-Feb-12	Lafarge	8391	construction sand	OR
3-Feb-12	Lafarge	8391	construction sand	KF - greg
3-Feb-12	Strong Pit	8391	1" road base	OR
6-Feb-12	Lafarge	8391	construction sand	OR
6-Feb-12	Lafarge	8391	1" road base	OR
6-Feb-12	Lafarge	8391	1" road base	OR
7-Feb-12	Lafarge	8391	construction sand	OR

s.17,s.21

DATE	FROM	TO	MATERIAL	Dispatch Company
8-Feb-12	Lafarge	8391	construction sand	OR
13-Feb-12	Strong Pit	8391	1" road base	OR
15-Feb-12	Strong Pit	8391	1" road base	OR
15-Feb-12	Strong Pit	8391	1" road base	OR
16-Feb-12	Lafarge	8391	construction sand	OR
16-Feb-12	Strong Pit	8391	1" road base	OR
16-Feb-12	Strong Pit	8391	1" road base	OR
17-Feb-12	Strong Pit	8391	1" road base	OR
26-Feb-12	Nursery	8391	sand	OR
26-Feb-12	Nursery	8391	sand	OR
27-Feb-12	Nursery	8391	sand	OR
27-Feb-12	Nursery	8391	sand	OR
28-Feb-12	Nursery	8391	sand	OR
28-Feb-12	Nursery	8391	sand	OR
29-Feb-12	Nursery	8391	sand	OR
29-Feb-12	Nursery	8391	sand	OR
1-Mar-12	Nursery	8391	sand	OR
1-Mar-12	Nursery	8391	sand	OR
2-Mar-12	Nursery	8391	sand	OR
5-Mar-12	Nursery	8391	sand	OR
5-Mar-12	Nursery	8391	sand	OR
6-Mar-12	Nursery	8391	sand	OR
		8391 Total	Crew balancing between critical activities	
24-Jan-12	Strong Pit	8392	1" road base	OR
		8392 Total	Crew balancing between critical activities	
27-Apr-12	Lafarge	5901S	construction sand	KF
		5901S Total	Schedule critical	
4-Apr-12	Lafarge	5902 EPS	construction sand	KF
10-Apr-12	Lafarge	5902 EPS	construction sand	KF
		5902 EPS Total	Schedule critical	
12-Apr-12	Lafarge	5902S	construction sand	OR
		5902S Total	Schedule critical	
12-Apr-12	Lafarge	5902S EPS	construction sand	KF
7-May-12	Lafarge	5902S EPS	construction sand	KF
		5902S EPS Total	Schedule critical	
19-Mar-12	Lafarge	5905S	construction sand	OR
21-Mar-12	Lafarge	5905S	construction sand	KF
22-Mar-12	Lafarge	5905S	construction sand	OR
		5905S Total	Schedule critical	
13-Apr-12	Lafarge	5905S EPS	construction sand	KF
26-Apr-12	Lafarge	5905S EPS	construction sand	KF
		5905S EPS Total	Schedule critical	
11-Feb-12	Strong Pit	5906 - CB8A	1" road base	KF
11-Feb-12	Strong Pit	5906 - CB8A	1" road base	KF
11-Feb-12	Strong Pit	5906 - CB8A	1" road base	OR
13-Feb-12	Strong Pit	5906 - CB8A	1" road base	KF
13-Feb-12	Strong Pit	5906 - CB8A	1" road base	OR
15-Feb-12	Strong Pit	5906 - CB8A	1" road base	OR
16-Feb-12	Strong Pit	5906 - CB8A	1" road base	KF
16-Feb-12	Strong Pit	5906 - CB8A	1" road base	OR
17-Feb-12	Strong Pit	5906 - CB8A	1" road base	KF
17-Feb-12	Strong Pit	5906 - CB8A	1" road base	OR
		5906 - CB8A Total	Schedule critical	

Kiewit FLATIRON

s.17,s.21

DATE	FROM	TO	MATERIAL	Dispatch Company
21-Feb-12	Strong Pit	5906 - HS1	1" road base	KF
21-Feb-12	Strong Pit	5906 - HS1	1" road base	KF
21-Feb-12	Strong Pit	5906 - HS1	1" road base	OR
22-Feb-12	Strong Pit	5906 - HS1	1" road base	KF
22-Feb-12	Strong Pit	5906 - HS1	1" road base	OR
24-Feb-12	Strong Pit	5906 - HS1	1" road base	KF
24-Feb-12	Strong Pit	5906 - HS1	1" road base	OR
		5906 - HS1 Total	Schedule critical	
10-Apr-12	Lafarge	5906 EPS	construction sand	KF
		5906 EPS Total	Schedule critical	
3-May-12	Lafarge	5910 Embankment	1" road base	KF
		5910 Embankment Total	Schedule critical	
20-Mar-12	Lafarge	5910 eps	construction sand	KF
26-Apr-12	Lafarge	5910 EPS	construction sand	KF
27-Apr-12	Lafarge	5910 EPS	construction sand	KF
		5910 eps Total	Schedule critical	
22-Mar-12	Lafarge	5910S eps	construction sand	KF
		5910S eps Total	Schedule critical	
16-Apr-12	Lafarge	8348 Embankment	construction sand	OR
		8348 Embankment Total	Schedule critical	
22-May-12	Strong Pit	8389 - For 8379	1" road base	OR
		8389 - For 8379 Total	Crew balancing between critical activities	
		Total		

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.05
Title Utility Spotters & Rail Flaggers
Subgroup Rokstad powerline safety watch
Estimator Bill Lantz
Date June 7, 2012

Line	Cost Type	Total Dollars s.21
1	Labour	
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.17 Item

s.17

K/F must follow BC Hydro policy that a professional power line safety watch person is present whenever K/F is working near the power lines. BC Hydro requires K/F to comply with these requirement anywhere on the Port Mann Highway 1 Project. Therefore, Draw Request 44 includes Rokstad Power Corporation costs from December 20, 2011 to March 31, 2012 for Segment 1 and 2.

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.05
Title Utility Spotters & Rail Flaggers
Subgroup Rokstad powerline safety watch
Estimator Bill Lantz

Description	Quantity	Unit	Unit Rate	Total
Galbraith Power Invoice G11046-04	s.17,s.21			
Rokstad Power Invoice G11046-05				
Rokstad Power Invoice G11046-06				
Rokstad Power Invoice G12026-02				
Rokstad Power Invoice G14851-01				
Rokstad Power Invoice G11046-07				

Port Mann Highway 1
s.1 Pricing Summary Sheet

Port Mann Highway 1
s.1
7 Pricing Summary Sheet

TI CORP # D4.07
s.17,s.21

Port Mann Highway 1
Cost Calculation Sheet

Kiewit FLATIRON

TI CORP #	D4.07
Title	s.17
Subgroup	NA
Estimator	Ratib Baqi
FROM	20-Dec-11
TO	26-May-12

			A	B	C	D = C/B	E = (D-A)*B
Description	Source of Unit Rate	Unit of Measure	Estimate U/C	Dec to May Period QTY	Dec to May Period Cost	Dec to May U/C	Cost Delta
HAUL WASTE TO STRONG PIT**	s.21						
HAUL WASTE TO SEG 1							
HAUL WASTE TO SEG 4							
HAUL IMPORT FROM STRONG PIT***							
ONSITE HAULS LESS THAN 5 KM							
TOTAL							

Previous Pay Draw Requests for D4.07A T

Current Pay Draw Request for D4.07A Tr

* Unit rate updated to reflect CC-0132 parameters, refer to 'Haul Unit Rate Calculation Sheet'
** Cost includes straight haul to waste, excludes backhaul to waste
*** Cost includes backhaul to waste

Port Mann Highway 1
Cost & Quantity Raw Data

Kiewit FLATIRON

TI CORP # 04.07
Title s.17
Subgroup NA
Estimator Ratib Baqi

FROM 20-Dec-11
TO 26-May-12

OFFSITE WASTE										
CODE	DESCRIPTION	UOM	Dec 20, 2011 to May 26, 2012							
			QTY	OSR ($)	LABOR ($)	EQUIP ($)	ADDONS ($)	SUBTOTAL ($)	TOTAL HAUL ($)	

s.17,s.21

Port Mann Highway 1
Labour Pricing Sheet

TI CORP #	04.07
Title	s.17
Subgroup	NA
Estimator	Ratib Baqi
FROM	20-Dec-11
TO	26-May-12

s.17,s.21

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP #	D4.07
Title	s.17
Subgroup	NA
Estimator	Ratib Baqi

Description	Quantity	Unit	Unit Rate	Total
Trucking Change in Cost - Haul - Billed Hours (Reconciled, to date billing)	s.17,s.21			

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP #	D4.07
Title	s.17
Subgroup	NA
Estimator	Ratib Baqi
From	20-Dec-11
To	26-May-12

Cost Code Description	Total
0142.30 HL EXC/REMOVAL ONSITE	s.17,s.21
0632.30 HL EXC ONSITE	
0662.30 HL RMVD SUR ONSITE TO SUR/EMB	
1002.30 HL EXC ONSITE	
1692.30 HL DNG EXC ONSITE	
2622.32 HL BORROW STRONG K/F (14 096M3)	
3002.30 HL EXC ONSITE	
7271.32 HAUL WASTE STRONG K/F	
7271.33 HL WASTE TO SEG 1 KF	
7271.34 HL WASTE TO SEG 4 KF	
7273.32 HL MSE STRONG K/F (2 700M3)	
Total	

s.17,s.21

* See 'Cost & Quantity Raw Data' sheet for calculations

Port Mann Highway 1
OSR Trucking Costs

Kiewit FLATIRON

TI CORP #	D4.07
Title	s.17
Subgroup	NA
Estimator	Ratib Baqi
FROM	20-Dec-11
TO	26-May-12

Cost Code	Total Quantity (m3)	Total Cost
142.40 Total	s.17,s.21	
632.40 Total		
662.40 Total		
1002.40 Total		
1692.40 Total		
2622.42 Total		
3002.40 Total		
7271.41 Total		
7271.42 Total		
7271.43 Total		
7271.44 Total		
7273.42 Total		
Total		

s.17,s.21

* See 'Cost & Quantity Raw Data' sheet for calculations

Kiewit FLATIRON

TI CORP # D4.07
s.17,s.21

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.07
Title s.17
Subgroup NA
Estimator Ratib Baqi

Date	EMP Name	Rate	Craft Description	Category Class	Hrs	ST Amt
12/20/2011 Total					s.21	
12/21/2011 Total						
12/22/2011 Total						
1/4/2012 Total						
1/5/2012 Total						
1/6/2012 Total						
1/7/2012 Total						
1/10/2012 Total						
1/11/2012 Total						
1/12/2012 Total						
1/13/2012 Total						
1/18/2012 Total						
1/23/2012 Total						
1/24/2012 Total						
1/25/2012 Total						
1/26/2012 Total						
1/27/2012 Total						
1/28/2012 Total						
1/31/2012 Total						
2/1/2012 Total						
2/2/2012 Total						
2/3/2012 Total						
2/4/2012 Total						
2/6/2012 Total						
2/7/2012 Total						
2/8/2012 Total						
2/9/2012 Total						
2/10/2012 Total						
2/11/2012 Total						
2/13/2012 Total						
2/14/2012 Total						
2/15/2012 Total						
2/16/2012 Total						
2/17/2012 Total						
2/18/2012 Total						
2/20/2012 Total						
2/21/2012 Total						
2/22/2012 Total						
2/23/2012 Total						
2/24/2012 Total						
2/27/2012 Total						
2/28/2012 Total						
2/29/2012 Total						
3/1/2012 Total						
3/2/2012 Total						
3/3/2012 Total						
3/5/2012 Total						
3/6/2012 Total						
3/7/2012 Total						
3/8/2012 Total						
3/9/2012 Total						
3/12/2012 Total						
3/13/2012 Total						
3/14/2012 Total						
3/15/2012 Total						
3/16/2012 Total						
3/17/2012 Total						
3/19/2012 Total						
3/20/2012 Total						

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.07
Title s.17
Subgroup NA
Estimator Ratib Baqi

Date	EMP Name	Rate	Craft Description	Category Class	Hrs	ST Amt
3/21/2012 Total					s.21	
3/23/2012 Total						
3/24/2012 Total						
3/26/2012 Total						
3/28/2012 Total						
3/29/2012 Total						
4/2/2012 Total						
4/3/2012 Total						
4/4/2012 Total						
4/10/2012 Total						
4/11/2012 Total						
4/12/2012 Total						
4/13/2012 Total						
4/16/2012 Total						
4/19/2012 Total						
4/20/2012 Total						
4/21/2012 Total						
4/23/2012 Total						
4/24/2012 Total						
4/25/2012 Total						
4/26/2012 Total						
4/27/2012 Total						
4/28/2012 Total						
4/30/2012 Total						
5/1/2012 Total						
5/2/2012 Total						
5/3/2012 Total						
5/4/2012 Total						
5/9/2012 Total						
5/10/2012 Total						
5/11/2012 Total						
5/12/2012 Total						
5/14/2012 Total						
5/15/2012 Total						
5/16/2012 Total						
5/17/2012 Total						
5/18/2012 Total						
5/22/2012 Total						
5/23/2012 Total						
5/24/2012 Total						
5/25/2012 Total						
5/26/2012 Total						
Grand Total					s.21	

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.07
Title s.17
Subgroup NA
Estimator Ratib Baqi

Description	Quantity	Unit	Unit Rate	Total
Manhour STS	s.21			

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.07
Title s.17
Subgroup NA
Estimator Ratib Baqi

Equip #	Equipment Description	Date	Cost Code Description	Hrs	Unit Rate	Total
02-1230 Total				s.21		
02-6331 Total						
02-6334 Total						
02-6338 Total						
02-6539 Total						
02-6540 Total						
02-6560 Total						
02-6611 Total						
02-6769 Total						
02-6961 Total						
02-7171 Total						
02-7195 Total						
02-7239 Total						
02-7268 Total						
02-7561 Total						
02-8307 Total						
03-1223 Total						
03-1224 Total						
03-1229 Total						
03-1230 Total						
03-1231 Total						
03-1232 Total						
03-1233 Total						
03-1248 Total						
03-1249 Total						
03-1250 Total						
03-1499 Total						
03-1500 Total						
03-1501 Total						
03-1502 Total						
03-1503 Total						
03-1504 Total						
03-1507 Total						
03-1508 Total						
03-1663 Total						
03-1668 Total						
03-1907 Total						
03-7645 Total						
04-3204 Total						
05-2743 Total						
05-2746 Total						
05-2764 Total						
05-2844 Total						
06-1021 Total						
10-2003 Total						
10-2820 Total						
10-2861 Total						
10-2874 Total						
10-2884 Total						
10-2896 Total						
10-2903 Total						
10-2926 Total						
10-3003 Total						
10-3012 Total						

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.07
Title s.17
Subgroup NA
Estimator Ratib Baqi

Equip #	Equipment Description	Date	Cost Code Description	Hrs	Unit Rate	Total
10-3018 Total				s.21		
10-3034 Total						
11-1540 Total						
11-1663 Total						
11-1671 Total						
11-9923 Total						
19-1142 Total						
22-4598 Total						
37-1906 Total						
37-2070 Total						
37-2087 Total						
	PICK UP TRUCK	3/26/2012	7271.60.00 / ADDED LOAD/HAUL			
	CREW CAB	3/26/2012	7271.60.00 / ADDED LOAD/HAUL			

Grand Total

Port Mann Highway 1
OSR Trucking Costs

Kiewit FLATIRON

TI CORP # D4.07
Title s.17
Subgroup NA
Estimator Ratib Baqi

Date	COST CODE	Slip Number	COST ($)
	7655.01 Total		s.21
	Total		

OSR Total

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit
FLATIRON

TI CORP # D4.07C
s.17,s.21

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP #	D4.07C
Title	Aggregate Source Premiums
Subgroup	NA
Estimator	Ratib Baqi

Date	Slip	From	Invoice #	$	NOTES
Monday, January 16, 2012	284621	Leeder	22862681	s.21	Cancellation
Monday, January 16, 2012	284622	Leeder	22862681		Cancellation
Tuesday, January 17, 2012	284720	Leeder	22872998		Cancellation
Saturday, February 11, 2012	288270	Leeder	23027706		Weekend
Saturday, February 11, 2012	288146	Leeder	23027706		Weekend
Tuesday, March 06, 2012	290778	Leeder	23177422		Cancellation
Wednesday, March 07, 2012	290961	Leeder	23186910		Cancellation
Friday, March 09, 2012	291229	Leeder	23208739		Cancellation
Tuesday, April 03, 2012	293214	Leeder	23393289		Cancellation
Thursday, April 05, 2012	293521	Leeder	23429651		Cancellation
Thursday, April 12, 2012	294018	Leeder	23464628		Cancellation
Monday, May 07, 2012	296432	Leeder	23682433		Cancellation
Monday, May 14, 2012	297308	Leeder	23762226		Cancellation
					TOTAL

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

TI CORP # D4.07D (N25)
s.17,s.21

Kiewit
FLATIRON

Port Mann Highway 1

s.1 Pricing Summary Sheet

7

Kiewit FLATIRON

TI CORP #	D4.07D (N25)
Title	Stockpile and Rehandle Lock Blocks
Subgroup	NA
Estimator	Scott Taylor
Date	June 14, 2012

s.21

Date	Contract Type	Haul By	Bill of Landing	Haul Invoice	Qty	From	To	Material	haul code
2012-01-05	ICTA	Can Ridge	17711	17711	60	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-01-05	ICTA	Can Ridge	17729	17729	60	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-02-08	ICTA	Can Ridge	18013	18013	120	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-02-09	ICTA	Can Ridge	18014	18014	93	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-02-14	ICTA	Can Ridge	18017	18017	39	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-03-07	ICTA	Can Ridge	18032	18032	40	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-03-08	ICTA	Can Ridge	18033	18033	20	Leavitt	Phoenix Yard	lockblocks	0662.22/90
2012-01-04	ICTA	Phoenix	320980G	123869	68	King Ed	Phoenix Yard	lockblocks	0662.22/90
2012-01-04	ICTA	Phoenix	320122G	123875	58	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-01-05	ICTA	Phoenix	320121G	123876	59	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-01-06	ICTA	Phoenix	320979G	123877	90	King Ed	Phoenix Yard	lockblocks	0662.22/90
2012-01-06	ICTA	Phoenix	322122G	123899	36	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-01-06	ICTA	Phoenix	320120G	123900	20	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-01-07	ICTA	Phoenix	320117G	123901	65	King Ed	Phoenix Yard	lockblocks	0662.22/90
2012-01-07	ICTA	Phoenix	320978G	123902	86	King Ed	Phoenix Yard	lockblocks	0662.22/90
2012-01-06	ICTA	Phoenix	320941G	123905	103	King Ed	Phoenix Yard	lockblocks	0662.22/90
2012-01-06	ICTA	Phoenix	320119G	123906	77	King Ed	Phoenix Yard	lockblocks	0662.22/90
2012-01-10	ICTA	Phoenix	320945G	123956	18	Maryhill Bypass	Phoenix Yard	lockblocks	0662.22/90
2012-01-10	ICTA	Phoenix	319988G	123957	72	Detour 25B	Phoenix Yard	lockblocks	0662.22/90
2012-01-09	ICTA	Phoenix	320977G	123959	54	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-13	ICTA	Phoenix	322214G	123992	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-11	ICTA	Phoenix	322171G	123996	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-11	ICTA	Phoenix	322167G	123997	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-11	ICTA	Phoenix	322166G	123998	54	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-11	ICTA	Phoenix	321629G	123999	30	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-13	ICTA	Phoenix	320963G	124038	18	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-13	ICTA	Phoenix	322052G	124043	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-13	ICTA	Phoenix	322273G	124044	0	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-26	ICTA	Phoenix	323814G	124265	76	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-25	ICTA	Phoenix	320112G	124266	60	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-26	ICTA	Phoenix	320957G	124267	72	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-26	ICTA	Phoenix	320958G	124268	54	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-26	ICTA	Phoenix	322305G	124269	50	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-01-26	ICTA	Phoenix	320113G	124270	30	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-02-07	ICTA	Phoenix	302583G	124530	50	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-03-22	ICTA	Phoenix	317015G	317015	92	King Ed @ Detour B	Stockpile	lockblocks	0662.22/90
2012-02-12	ICTA	Phoenix	0912679J	524898	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-04	Sub	Eagle West	153351	SIN0047204	90	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-01-06	Sub	Eagle West	153353	SIN0047269	47	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-01-07	Sub	Eagle West	142299	SIN0047288	126	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-01-07	Sub	Eagle West	154066	SIN0047290	110	Maryhill Bypass	Phoenix Yard	lockblocks	0662.22/90
2012-01-24	Sub	Eagle West	153406	SIN0047637	20	5901S	Phoenix Yard	lockblocks	0662.22/90
2012-02-02	Sub	Eagle West	153423	SIN0047932	48	JJM	Phoenix Yard	lockblocks	622.22/90
2012-02-09	Sub	Eagle West	153430	SIN0048145	12	JJM	Phoenix Yard	lockblocks	0662.22/90
2012-03-24	Sub	Eagle West	147494	SIN0049350	8	Lougheed Wall Cut	Stockpile	lockblocks	0992.50/50
2012-04-14	Sub	Eagle West	156001	SIN0049954	68	5906S surcharge	Planet Ice	lockblocks	0662.22/90
2012-04-15	Sub	Eagle West	163218	SIN0049976	4	5905S (SE Dogbone)	Stockpile	lockblocks	0662.22/90
2012-02-08	Sub	Eagle West	153387		0	King Ed	Stockpile	lockblocks	0662.22/90

]

Port Mann Highway 1
ATC Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.07D (N25)
Title Stockpile and Rehandle Lock Blocks
Subgroup NA
Estimator Scott Taylor
Date June 14, 2012

Date	Contract Type	Haul By	Bill of Landing	Haul Invoice	Qty	From	To	Material	haul code
2012-02-16	Sub	Eagle West	153454	SIN0048272	36	Phoenix Yard	8379	lockblocks	0662.20/90
2012-02-17	Sub	Eagle West	153489	SIN0048307	18	Phoenix Yard	8379	lockblocks	0662.20/90
2012-02-17	Sub	Eagle West	153455	SIN0048305	18	Phoenix Yard	8379	lockblocks	0662.20/90
2012-04-16	Sub	Eagle West	163220	SIN0049977	8	Stockpile (Planet Ice)	5910 EPS	lockblocks	0662.22/90
2012-03-24	Sub	Eagle West	154470	SIN0049389	4	stockpile	Hwy 1 W/B @ King Ed	lockblocks	0992.50/50
2012-03-17	Sub	Eagle West	153494	SIN0049132	7	stockpile	Hwy 1 W/B @ King Ed	lockblocks	0992.50/50
2012-03-21	Sub	Eagle West	164114	SIN0049241	6	stockpile	8430 Wall	lockblocks	0992.50/50
2012-01-18	ICTA	Phoenix	321674G	124036	12	Phoenix Yard	8379	lockblocks	0662.20/90
2012-01-13	ICTA	Phoenix	320837G	124039	10	Phoenix Yard	8379	lockblocks	0662.20/90
2012-01-13	ICTA	Phoenix	321667g	124040	20	Phoenix Yard	8379	lockblocks	0662.20/90
2012-01-12	ICTA	Phoenix	321630G	124035	0	Phoenix Yard		lockblocks	0662.22/90
2012-01-12	ICTA	Phoenix	322213G	123994	54	Phoenix Yard	seg 1 - gaglardi	lockblocks	0662.22/90
2012-01-12	ICTA	Phoenix	320747G	123995	30	Phoenix Yard	seg 1 - gaglardi	lockblocks	0662.22/90
2012-01-12	ICTA	Phoenix	322173G	123993	72	Phoenix Yard	seg 1 - gaglardi	lockblocks	0662.22/90
2012-01-13	ICTA	Phoenix	322214G	123992	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-12	ICTA	Phoenix	0912679J	524898	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-13	ICTA	Phoenix	322052G	124043	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-11	ICTA	Phoenix	322167G	123997	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-11	ICTA	Phoenix	322171G	123996	0	Phoenix Yard	Phoenix Yard	lockblocks	0992.50/50
2012-01-21	ICTA	Phoenix	319994G	124188	70	Phoenix Yard	8379	lockblocks	0662.22/90
2012-01-21	ICTA	Phoenix	320959G	124187	72	Phoenix Yard	8372	lockblocks	0662.22/90
2012-01-24	ICTA	Phoenix	322285G	124230	10	Phoenix Yard	seg 1 - gaglardi	lockblocks	0662.22/90
2012-01-24	ICTA	Phoenix	322285G	124230	20	Phoenix Yard	8372	lockblocks	0662.22/90
2012-01-23	ICTA	Phoenix	320090G	124228	90	Phoenix Yard	Brunette CG5A	lockblocks	0662.20/90
2012-01-25	ICTA	Phoenix	320090G	124728	18	Phoenix Yard	8379	lockblocks	0662.22/90
2012-01-24	ICTA	Phoenix	320967G	124229	10	Phoenix Yard	seg 1 - gaglardi	lockblocks	0662.22/90
2012-01-24	ICTA	Phoenix	320967G	124229	30	Phoenix Yard	8379	lockblocks	0662.20/90
2012-01-23	ICTA	Phoenix	322306G	124231	0	Phoenix Yard	Brunette CG5A	lockblocks	0662.22/90
2012-01-28	ICTA	Phoenix	323812G	124320	40	Phoenix Yard	5906N	lockblocks	0662.22/90
2012-04-12	ICTA	Phoenix	0991675J	531976	6	Phoenix Yard	Seg 2	lockblocks	7997.54/50

s.21

]

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP #	D4.13A
Title	Paving s.17 Cost
Subgroup	NA
Estimator	Ameer Balouch & Zach Brummer
Date	May 16, 2012

Pages	Cost Type		Total Dollars
40 - 47	D4.13A - Paving		s.21
		A. Pyrotech	
		B. BA Blacktop - Lost of Opportunity	
		C. BA Blacktop - Production	
		D. BA Blacktop - Level-up	
		E. BA Blacktop - Extra Work	
		F. Add'l Paving Resources	
		G. K/F Paving Support	
49 - 50	D4.13B - Concrete		
51 - 60	D4.13F - Ruskin		
61 - 63	D4.13G - Misc. Subs		
64 - 69	D4.13J - Traffic Control		
		Total	

Summary of s.17 Item

See attached summaries.

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.13A
Title Paving s.17 Cost
Subgroup NA
Estimator Ameer Balouch & Zach Brummer
Date May 16, 2012

Line	Cost Type	Total Dollars
1	Labour	s.17,s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	

Total

Summary of s.17 Item

7730.01 AC Heater KF Support & 7730.02 Pyrotech-Dragon Heat

This Progress Draw includes Dragon Heater and propane usage, not previously billed. The Dragon Heater facilitates paving in less than ideal weather conditions. Under the original schedule, K/F planned paving activities when weather conditions did not require this equipment.

In addition, paving operations are a shared resource among all the segments project wide. s.17
s.17 K/F has utilized the Dragon Heaters project wide to facilitate paving whenever possible. Therefore, K/F is requesting payment for the paving heaters and propane utilized on all Segments project wide. Please note that Segment 3 is not included in this request.

7730.03 KF Paving Support & 7730.05 AC Waste Due to Weather (included above)

These items include the Kiewit Flatiron labour and equipment costs for supporting accelerated paving operations.

BA Blacktop: Loss of Opportunity on Paving Reduction

Special Provision 9501 - Onshore Asphalt Pavement Construction, section "9501-44.01 Soft Soils Areas" allows the following:

"In Soft Soil areas as identified by TI Corp Letter in appendix 4, the paving tolerance may be relaxed in recognition of planned future overlays, in these areas, Constructor may reduce the design asphalt thickness by a maximum of 15mm while meeting the following requirements..."

s.17
s.17 The paving profile cannot be modified to accommodate the transition between areas with a difference in thickness.

K/F is requesting to be reimbursed for cost for remaining paving, post December 20th, 2011, which meets the requirements of special provision 9501 and areas that K/F are unable to be optimized.

s.17,s.21

BA Blacktop: Paving Production

s.17

Level-up

s.17,s.21

Extra Work Order

s.17

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13A
Title Paving s.17 Cost
Subgroup NA
Estimator Ameer Balouch & Zach Brummer

Date	EMP Name	Base Rate (N.I.C Shift Prem.)	Craft Description	Category Class	Hrs	ST Amt (Inc. Shift Prem.)
7730.01.00 / (D4.13A) AC HEATER KF SUPPORT						
5/2/2012	POTTS TYLOR	$ 29.98	MECHANIC APPRENTICE (4TH YEAR)	2	s.21	
7730.03.00 / (D4.13A) K/F PAVING SUPPORT						
5/14/2012	BILODEAU MARTIAL	$ 32.29	SENIOR EQUIPMENT OPERATOR	2		
5/14/2012	GALVIN PATRICK	$ 27.85	SKILLED LABOURER	2		
5/14/2012	GRAAF BEN	$ 32.29	SENIOR EQUIPMENT OPERATOR	2		
5/14/2012	PAUL CHAD	$ 30.11	SENIOR LABOURER	2		
5/14/2012	PAUL CHAD	$ 30.11	SENIOR LABOURER	3		
5/16/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	1		
5/16/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	2		
5/16/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	3		
5/16/2012	KALESNIKOFF SHAWN	$ 32.29	SENIOR EQUIPMENT OPERATOR	1		
5/16/2012	SCHMITT EVAN	$ 27.85	SKILLED LABOURER	1		
5/17/2012	COLE GREG	$ 29.54	SENIOR TRUCK DRIVER	2		
5/17/2012	MYRONUK COREY	$ 27.74	TRUCK DRIVER	1		
5/17/2012	WHITE DEREK	$ 30.11	SENIOR LABOURER	1		
5/17/2012	WHITE DEREK	$ 30.11	SENIOR LABOURER	2		
5/22/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	1		
5/22/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	2		
5/23/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	2		
5/23/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	3		
5/24/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	1		
5/24/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	2		
5/24/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	3		
5/25/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	1		
5/25/2012	JANCOWSKI MIKE	$ 32.29	SENIOR EQUIPMENT OPERATOR	2		
7730.05.00 / (D4.13A) AC WASTE DUE TO WEATHER						
				Total MHrs		

s.21

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13A
Title Paving s.17 and Additional Cost
Subgroup NA
Estimator Ameer Balouch & Zach Brummer

Date	Equip #	Equipment Description	Cost Code Description	Hrs	Unit Rate	Total
7730.01.00 / (D4.13A) AC HEATER KF SUPPORT						
7730.03.00 / (D4.13A) K/F PAVING SUPPORT						
5/14/2012	02-6560	S2 - F250 CHRIS BOYER	7730.03.00 / (D4.13A) K/F PAVING SUPPORT	s.21		
5/16/2012	02-7268	S2 - F150 KALESNIKOFF SHAWN	7730.03.00 / (D4.13A) K/F PAVING SUPPORT			
5/17/2012	02-8307	202 - F150 2WD RC ADAM GOULD	7730.03.00 / (D4.13A) K/F PAVING SUPPORT			
5/17/2012	03-7645	S2 - 6X4 4000 GAL W/ 17-1410	7730.03.00 / (D4.13A) K/F PAVING SUPPORT			
5/23/2012	02-7561	S2 - F150 JANOWSKI MIKE	7730.03.00 / (D4.13A) K/F PAVING SUPPORT			
5/24/2012	02-7561	S2 - F150 JANOWSKI MIKE	7730.03.00 / (D4.13A) K/F PAVING SUPPORT			
5/25/2012	02-7561	S2 - F150 JANOWSKI MIKE	7730.03.00 / (D4.13A) K/F PAVING SUPPORT			
7730.05.00 / (D4.13A) AC WASTE DUE TO WEATHER						

Kiewit FLATIRON

TI CORP # D4.13A
s.17,s.21

Port Mann Highway 1
Subcontractors Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13A
Title Paving s.17 and Additional Cost
Subgroup NA
Estimator Ameer Balouch & Zach Brummer

Subcontractor / Work Description	Quantity	Unit	Unit Rate	Total
Pyrotech				
Segment 1 - Dec 20th - April 30th	s.21			
Segment 2				
Segment 4 - Dec 20th - April 30th				
BA Blacktop				
Loss of Opportunity on Paving Reduction: 17,141 (Dec 20 - May 26th) - 16721 (PD43) = 917.25				
Loss of Opportunity on Paving Reduction: K/F Audit on Unit Cost (17.70 - 11.06 = $6.64/tne)				
Level Up's				
Paving Production Loss				
Additional Paving Resourse - Columbia Paving s 17 (BA Invoice #6800.2012.6800980)				
Extra Work Orders				
Misc BA Blacktop extra work order tickets due to s.17				

D4.13 - Future - Additional Subs and Sub s.17

D4.13a - Paving - Dragon Heater

	Code	January 31st	February 29th	March 31st	April 30th	Sub - Total	Total by Segments
Segment 1	8241.05	s.21					
	8576.11						
Segment 4	8244.03						
	8576.41						

s.17

D4.13 - Future - Additional Subs and Sub

D4.13a - Paving - Dragon Heater

Segment 2 - Dragon Heater to facilitate paving in inclement weather

Date	Area	Mobe/Work Hrs	Preheater Hrs	Stand By Hrs	Minimum Hrs			Propane Tank Reading	Propane Used	Propane Cost	
Adjustment from Progres		s.21									
3/6/2012	Seg 4										
4/22/2012	Seg 4										
Cost not captured in Prog											
4/1/2012	Seg 2										
4/2/2012	Seg 2										
Pyrotech May invoice for											
5/2/2012	Seg 2										
5/6/2012	Seg 2										
5/7/2012	Seg 2										
5/8/2012	Seg 2										
5/9/2012	Seg 2										
5/10/2012	Seg 2										
5/11/2012	Seg 2										
5/12/2012	Seg 2										
5/2/2012	Seg 2										
5/6/2012	Seg 2										
5/7/2012	Seg 2										
5/8/2012	Seg 2										
5/9/2012	Seg 2										
5/10/2012	Seg 2										
5/11/2012	Seg 2										
5/12/2012											
Subtotal											

**Propane tank capacity is 1750 Gallons or 6625.5 Liters

NOTE: Deploying and Stowing Burners and Pilot Vehicles are not included. Once fully quantified they will be billed.

Port Mann Highway 1
Segment 2

D4.13 Additional Sub & Sub Premiums
D4.13a Paving

Asphalt Paving by: BA Blacktop Ltd.

				Tack	Prime	Class 1 AC				
Date	Location	From Schedule	Level Up, Intersection, Hand Paving ?	0.25 L/M2	2 L/M2	0-50 tonnes (hand work)	51-100 tonnes	101-500 tonnes	501-1,099 tonnes	≥ 1,100 tonnes
5/1/2012										
5/2/2012	Maryhill level up and water crossing		Y	s.21						
5/2/2012	Water Crossing C25		Y			17.89				
5/2/2012	Maryhill level up		Y			20.00				
5/3/2012	Paving Detour 88 between stations 195+880 to 196+180 - Level up		Y							
5/3/2012	Paving Detour 88 between stations 195+880 to 196+180 - Level up		Y					172.62		
5/3/2012	Paving Detour 88 between stations 195+880 to 196+180 - Level up		Y					61.04		
5/4/2012										
5/5/2012										
5/6/2012	ATC - Columbia Premium		N						577.02	
5/6/2012	Paving Hwy 1 WB median and HOV and Full Mill and intermediate		N							
5/6/2012	3 Separate patches @ Water crossing at Coleman, Lougheed patch, and Coleman ramp									
5/6/2012	1 Separate patches @ Lougheed Patch		Y				23.00			
5/6/2012	3 Separate patches @ Watercrossing @ Coleman		Y				7.20			
5/6/2012	3 Separate patches @ Coleman ramp		Y				30.80			
5/7/2012										
5/8/2012	220N-1 Hwy 1 EB Patches/Mary Hill		Y					66.90		
5/8/2012	220N-1 Hwy 1 EB Patches/Mary Hill		Y					204.00		
5/9/2012	Xing Ed - Coleman Median		N					52.40		
5/9/2012	Xing Ed - Coleman Median		N					281.60		
5/10/2012										
5/11/2012	MHB Level up & Coleman Level up		Y							
5/11/2012	FOB Mix for DG at OF 56 (Lougheed Hwy at 5907)		Y							
5/11/2012	MHB Level up & Coleman Level up		Y					114.10		
5/11/2012	MHB Level up & Coleman Level up		Y					80.40		
5/12/2012	FOB Mix:		Y							
5/12/2012	Toplift Shoulder @ Coleman		N					431.94		
5/13/2012	Building taper for unsafe edge (paving too close to log line).		Y							
5/14/2012										
5/15/2012	Bayhill		Y							
5/15/2012	Bronette off ramp		N		4,057.60					
5/16/2012	Bayhill - United between MHB & Burbridge		Y							
5/16/2012	Lougheed Dip Repair (Temporary)		Y			14.62				
5/16/2012	Brunette off ramp		N						725.94	
5/17/2012	FOB Mix		Y							
5/18/2012										
5/19/2012										
5/20/2012										
5/21/2012										
5/22/2012										
5/23/2012	ATC - Columbia s.17		N					250.00		
5/24/2012										
5/25/2012	Brunette WB off ramp & Mary Hill WB		N					462.36		
5/26/2012	Detour 55 Stage 5		N					296.94		
5/27/2012	Detour 55 Stage 3 Intermediate Lift		N						847.19	
5/28/2012	Detour 55 Stage 3 West Tie in/Base & Intermadiate Lift		N					340.70		
5/29/2012	FOB Mix - KF Pickup		Y							
5/30/2012	FOB Mix - KF Pickup		Y							
5/31/2012										

Port Mann Highway 1
Segment 2

D4.13 Additional Sub & Sub s.17
D4.13a Paving

Asphalt Paving by: BA Blacktop Ltd.

s.21

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP #	D4.13B
Title	Additional Concrete Costs and s.17
Subgroup	NA
Estimator	Ameer Balouch & Zach Brummer
Date	May 26, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.17 **Item**

s.17

s.17 Concrete additives are also required to pour in inclement weather and to speed up set time.

Port Mann Highway 1
Permanent Materials Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13B
Title Additional Concrete Costs and s.17
Subgroup NA
Estimator Ameer Balouch & Zach Brummer

Material		Quantity	Unit	Unit Rate	Total
Lafarge					-
Non Chloride Accelerator - NCA534 (1.0L/M3)		s.21			
Non Chloride Accelerator - NCA534 (2.0L/M3)					
Non Chloride Accelerator - WIN1-32, NCA Weathermix					
Sunday Delivery					

** Cost Shown are up to Pay Form 121 (beginning of April). Additional Cost to follow.

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit
FLATIRON

TI CORP # D4.13F
s.17,s.21

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13F
Title Ruskin
Subgroup NA
Estimator Ameer Balouch & Zach Brummer

Date		Base Rate	Craft Description	Category Class	Hrs	ST Amt (Inc. Shift Prem.)

s.21

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Withheld pursuant to/removed as

s.21

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13F
Title Ruskin
Subgroup NA
Estimator Ameer Balouch & Zach Brummer

Description	Quantity	Unit	Unit Rate	Total

s.21

Port Mann Highway 1
Subcontractors Pricing Sheet

TI CORP # D4.13F
Title Ruskin additional mobe and s.17
Subgroup NA
Estimator Ameer Balouch

Subcontractor	Work Description	Quantity	Unit	Unit Rate	Total
s.17,s.21					

Port Mann Highway 1
Subcontractors Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13F
Title Ruskin additional mobe and s.17
Subgroup NA
Estimator Ameer Balouch

Date	FA No.	Amount	Cost Code	Location	Type	Description
February 7, 2012	120207.1	s.17,s.21	7754.01	5902 A(	s.17	Drilling on rock obstruction - an alternate to pre-drilling
February 7, 2012	120207.2		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 8, 2012	120208.1		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 8, 2012	120208.2		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 8, 2012	120208.3		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 8, 2012	120208.4		7754.01	5901 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 9, 2012	120209.1		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 9, 2012	120209.2		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 10, 2012	120210.2		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 10, 2012	120210.3		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 10, 2012	120210.4		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling (Standby)
February 10, 2012	120210.5		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 13, 2012	120213.1		7754.01	5902 A(		Cutting the pile to get drill on top of pile - an alternae to pre-drilling
February 13, 2012	120213.3		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 13, 2012	120213.4		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling (Equipment Standby)
February 13, 2012	120213.5		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 13, 2012	120213.6		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling (Equipment Standby)
February 14, 2012	120214.1		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 14, 2012	120214.2		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling (Equipment Standby)
February 15, 2012	120215.3		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 16, 2012	120216.1		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling
February 16, 2012	120216.2		7754.01	5902 A(		Drilling on rock obstruction - an alternate to pre-drilling (Equipment Standby)
February 16, 2012	120216.3		7754.01	5902 A0		s.17
February 16, 2012	120216.4		7754.01	5902 P1		Making access dug around pile
February 17, 2012	120217.1		7754.01	5901 A(		Weld Repair due to obstruction encountered - an alternate to pre-drilling
February 17, 2012	120217.3		7754.01	5901 A(		Ruskin forced to stop production to pump water out of the way.
February 21, 2012	120221.1		7754.01	5902 A0		Cutting the pile to get drill on top of pile - an alternae to pre-drilling
February 21, 2012	120221.2		7754.01	5902 P1		Drove 5' pile. Stopped due to a ballast train
February 21, 2012	120221.3		7754.01	5902 P1		Drove 5' pile. Stopped due to a ballast train
February 22, 2012	120222.1		7754.01	5902 A0		Ruskin forced to stop production to pump water out of the way.
February 22, 2012	120222.2		7754.01	5902 A0		Drilling on rock obstruction - an alternate to pre-drilling
February 22, 2012	120222.3		7754.01	5902 A0		Drilling on rock obstruction - an alternate to pre-drilling
February 23, 2012	120223.1		7754.01	5902 A0		Drilling on rock obstruction - an alternate to pre-drilling
February 23, 2012	120223.2		7754.01	5902 A0		Drilling on rock obstruction - an alternate to pre-drilling (Equipment Standby)
February 24, 2012	120224.2		7754.01	5902 P1		Moved lock blocks along the exposed fiber optic line
February 27, 2012	120227.1		7754.01	5902 A0		Drilling on rock obstruction - an alternate to pre-drilling
February 27, 2012	120227.2		7754.01	5902 P1		Off loaded rebar cages, moving in tight location
February 27, 2012	120227.3		7754.01	5902 P1		Moved equipment for Earth Works
February 27, 2012	120227.4		7754.01	5902 A0		Drilling on rock obstruction - an alternate to pre-drilling
February 27, 2012	120227.5		7754.01	5902 P1		Moved equipment for Earth Works
February 28, 2012	120228.1		7754.01	5902 A0		Drilling on rock obstruction - an alternate to pre-drilling
February 28, 2012	120228.2		7754.01	5902 P1		Moved tool crib, rigging rack and water tote out of way
February 28, 2012	120228.3		7754.01	5902 A0		Ruskin forced to stop production to pump artesian water (an alternate to pre-drilling)
February 29, 2012	120228.4		7754.01	5902 A0		Drilling on rock obstruction - an alternate to pre-drilling
February 28, 2012	120228.5		7754.01	5902 A0		Ruskin forced to stop production to pump artesian water (an alternate to pre-drilling)
February 29, 2012	120229.1		7754.01	5902 P1		Moved all equipment from P1 PL1 to P1 PL3 due to 8343 wall bench cut
February 29, 2012	120229.2		7754.01	5902 P1		Moved all equipment from P1 PL1 to P1 PL2 due to 8343 wall bench cut
March 1, 2012	120301.1		7754.01	5902 P1		Drilling on rock obstruction - an alternate to pre-drilling
March 1, 2012	120301.2		7754.01	5902 A0		Drilling on rock obstruction - an alternate to pre-drilling (Equipment Standby)
March 5, 2012	120305.1		7754.01	5902 P1		Ruskin forced to stop production to pump water out of the way.
March 5, 2012	120305.2		7754.01	5902 P1		Installed CSL tubes, OT only
March 5, 2012	120305.4		7754.01	5902 P1		Move rail ties
March 6, 2012	120306.1		7754.01	5902 P1		No access due to CPR's pumping sediment water into site all wkd
March 7, 2012	120307.2		7754.01	5902 P1		Moved rebar cages, equipment as per CP Rail and for other operations in congested ar
March 7, 2012	120307.3		7754.03	5902 P2		Installed driving shoe
March 8, 2012	120308.4		7754.01	5902 P1		Moved Crane to advance production
March 9, 2012	120309.1		7754.01	5902 P1		Contain/manage spoils to speed up
March 12, 2012	120312.1		7754.01	5902 P1		Moved equip/tools due to 8343 wall bench cut
March 12, 2012	120312.2		7754.01	5902 P1		Extra off loading of 5' dia pipe due to congested area
March 12, 2012	120312.3		7754.01	5902 P2		Cut pile in half to s.17 for splicing
March 13, 2012	120313.1		7754.01	5902 P1		Moved crane and equipment due to 8343 wall bench cut
March 13, 2012	120313.2		7754.01	5902 P1		Due to lack of pre-drillinng; the obstruction was avoided by changing to driven pile
March 13, 2012	120313.3		7754.01	5902 P2		Extra off loading of pile due to congested area
March 13, 2012	120313.4		7754.01	5902 P1		Removed lock block and then backfilled
March 13, 2012	120313.5		7754.01	5902 P2		Fixed up ramp for the crane to walk safely
March 13, 2012	120312.6		7754.01	5902 P2		Cut pile in half to s.17 for splicing
March 13, 2012	120313.7		7754.01	5902 P1		Removed crane and equipment off bent due to 8343 wall bench cut
March 13, 2012	120313.2		7754.01	5902 P1		Moved crane to stack piles

Kiewit FLATIRON

TI CORP # 04.19F
Title Ruskin additional mobe s.17
Subgroup NA
Estimator Ameer Balouch

Date	FA No.	Amount	Cost Code	Location	Type	Description
March 14, 2012	120314.1	s.17,s.21	7754.01	5902 P1	s.17	Built crane pad and new access
March 14, 2012	120314.2		7754.01	5902 P1		Relocate all equipment and tools of the Bent due to 8343 wall bench cut
March 14, 2012	120314.3		7754.01	5902 P1		Moved crane to stack piles
March 14, 2012	120314.4		7754.01	5902 P1		Built crane pad
March 14, 2012	120314.5		7754.01	5902 P1		Relocate all equipment and tools of the Bent due to 8343 wall bench cut
March 15, 2012	120315.1		7754.01	5902 P1		Moved blocks
March 15, 2012	120315.2		7754.01	5902 P1		Moved D100 and crane out of the way
March 15, 2012	120315.3		7754.01	5902 A0		Ruskin forced to stop production to pump artesian water (an alternate to pre-drilling)
March 15, 2012	120315.4		7754.01	5902 P1		Walked crane back onto new crane pad
March 15, 2012	120315.5		7754.01	5902 P1		Fixed crane pad
March 15, 2012	120313.6		7754.01	5902.P1		Due to lack of pre-drilling; the obstruction was avoided by changing to driven pile
March 15, 2012	120315.7		7754.03	5902 P1		Set up and began installation of driving shoe for P1
March 15, 2012	120315.8		7754.01	5902 P1		Moved blocks
March 16, 2012	120316.1		7754.03	5902 P2		Installed driving shoe
March 16, 2012	120316.2		7754.01	5902 P2		Drilling on rock obstruction - an alternate to pre-drilling
March 16, 2012	120316.3		7754.01	5902 P2		Drilling on rock obstruction - an alternate to pre-drilling (Equipment Standby)
March 16, 2012	120316.4		7754.01	5902 P1		Prepped for 500T crane to drive
March 16, 2012	120316.5		7754.01	5902 P2		Ruskin forced to stop production to pump artesian water (an alternate to pre-drilling)
March 16, 2012	120316.6		7754.01	5902 P2		Ruskin forced to stop production to pump artesian water (an alternate to pre-drilling)
March 16, 2012	120316.7		7754.01	5902 P2		Ruskin forced to stop production to pump artesian water (an alternate to pre-drilling)
March 16, 2012	120316.8		7754.01	5902 P1		Moved blocks
March 16, 2012	120316.9		7754.01	5902 P2		Built new crane pad
March 16, 2012	120316.10		7754.01	5902 P2		Built new crane pad
March 16, 2012	120316.1		7754.01	5902 P2		Ruskin forced to stop production to pump artesian water (an alternate to pre-drilling)
March 19, 2012	120319.1		7754.01	5902 P2		Excavated wood obstructions
March 21, 2012	120321.2		7754.01	5902 P1		Change of Condition
March 21, 2012	120321.1		7754.01	5902 P1		Change of Condition
March 21, 2012	120321.3		7754.01	5902 P1		Change of Condition
March 22, 2012	120322.3		7754.01	5902/1627		No access due to Canadian Utilities
March 22, 2012	120322.1		7754.03	5902 P2		Installed driving shoe
March 22, 2012	120322.2		7754.01	5902/1627		Flattened crane pad
March 22, 2012	120322.5		7754.03	1627 P1		Installed driving shoe
March 22, 2012	120322.8		7754.01	5902/1627		Flattened crane pad
March 22, 2012	120322.9		7754.01	5902/1627		No access due to Canadian Utilities
March 22, 2012	120322.10		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
March 22, 2012	120322.7		7754.01	5902/1627		Re-setup 200-6 vibro and equipment; walked crane to new pad
March 22, 2012	120322.4		7754.01	5902/1627		Re-setup 200-6 vibro and equipment; walked crane to new pad
March 22, 2012	120322.6		7754.01	1627		Drilling on rock obstruction - an alternate to pre-drilling
March 23, 2012	120323.2		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
March 23, 2012	120323.3		7754.01	5902 P2		Walked crane to K/F D180
March 23, 2012	120323.4		7754.01	1627 P1		Pre-excavated and removed large boulders
March 23, 2012	120323.1		7754.01	5902 P2		Changed clamps, moved power pack and crane, dug out around sheet pile
March 23, 2012	120323.5		7754.01	5902 P1		Changed crane in order to fit bigger hammer D-180
March 24, 2012	120324.1		7754.01	5902		Pulled sheet piles; fresh headed the pulled sheets; cut sheets
March 26, 2012	120326.9		7754.01	5902		Pulled sheet piles from the east end and west end
March 26, 2012	120326.6		7754.01	5902		Pulled sheet piles from the east end and west end
March 26, 2012	120326.5		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
March 26, 2012	120326.4		7754.01	5902 P1		Moved drill back to P1 to drill out after change of condition work with D180
March 26, 2012	120326.3		7754.01	5902 P1		Loaded out D180, Leads, Power Pack and Hoses
March 26, 2012	120326.2		7754.01	5902 P1		Loaded out D180, Leads, Power Pack and Hoses
March 26, 2012	120326.1		7754.01	5902 P2		Walked crane up the road to off-load 4' piles but truck was blocking access
March 27, 2012	120327.2		7754.01	5902		Pulled sheet piles
March 27, 2012	120327.1		7754.01	5902		Pulled sheet piles
March 27, 2012	120327.3		7754.01	1627 P1		Crane/Chisel/OT, Churned obstruction
March 27, 2012	120327.5		7754.01	5902 P1		Drilling on rock obstruction - an alternate to pre-drilling
March 28, 2012	120328.6		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
March 28, 2012	120328.5		7754.01	5902 P1		Change of Condition
March 28, 2012	120328.4		7754.01	5902		Repaired 200-6 Vibro. Damaged from pulling of damaged sheets
March 28, 2012	120328.3		7754.01	5902		Set up & started pulling sheet piles
March 28, 2012	120328.2		7754.01	5902/1627		Mob in 45T 108 Crane from Delta Yard; delayed because no access - 2hrs
March 28, 2012	120328.1		7754.01	5902/1627		Mobilized 45 T Linkbelt Crane
March 29, 2012	120329.6		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
March 29, 2012	120329.5		7754.01	5902 P1		Move equipment for night shift
March 29, 2012	120329.4		7754.01	1627 P1		Weld Repair
March 29, 2012	120329.3		7754.01	5902 A0		Built an access road in order to mob-out equipment
March 29, 2012	120329.2		7754.01	5902		Repaired 200-6 Vibro. Damaged from pulling of damaged sheets
March 29, 2012	120329.1		7754.01	5902/1627		On site mob up 45T 108 Crane
March 30, 2012	120330.2		7754.01	1627 P1		Changed out Sheet pile jaws back to the pile clamps

Port Mann Highway 1
Subcontractors Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13F
Title Ruskin additional mobe and s.17
Subgroup NA
Estimator Ameer Balouch

Date	FA No.	Amount	Cost Code	Location	Type	Description
March 30, 2012	120330.1	s.17,s.21	7754.01	1627 P1	s.17	Changed out Sheet pile jaws back to the pile clamps
March 31, 2012	120331.1		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
March 31, 2012	120331.2		7754.01	1627 P1		Pre-dugout pile with hoe, then back-filled with loader
March 31, 2012	120331.3		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling

Corrected Feb & Mar 2012	evious Feb & Mar 2012 (PD #4
s.17,s.21	

Difference for Draw 43
s.17,s.21

April 2, 2012	120402.1	s.17,s.21	7754.02	1627 P1	s.17	Installed driving shoes to s.17 work
April 2, 2012	120402.2		7754.01	1627 P		Drilling on rock obstruction - an alternate to pre-drilling
April 2, 2012	120402.3		7754.01	1627 P		Cutting the pile to get drill ontop of pile - an alternate to pre-drilling
April 2, 2012	120402.4		7754.01	1627 P		Pre-dug out pile location with excavator - an alternate to pre-drilling
April 2, 2012	120402.5		7754.01	1627 P		Sheet piles were removed from onsite to create a better access in a congested area
April 3, 2012	120403.1		7754.01	1627 P		Drilling on rock obstruction - an alternate to pre-drilling
April 3, 2012	120403.3		7754.01	1627 P		Drilling on rock obstruction - an alternate to pre-drilling
April 3, 2012	120403.5		7754.01	5902 P		Moved equipment out of Sure Span's access to allow Sure Span to MOB through Ruskir
April 3, 2012	120403.6		7754.01	162		Re-organized equipment to make way for construction traffic
April 4, 2012	120404.1		7754.01	1627 P		Cutting the pile to get drill ontop of pile - an alternae to pre-drilling
April 4, 2012	120404.2		7754.01	162		Moved equipment out of the way for K/F's night shift working in the congested area
April 4, 2012	120404.3		7754.01	162		Re-built the crane pad that was, unavoidably, destroyed during nightshift operation
April 4, 2012	120404.4		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 4, 2012	120404.7		7754.01	5902 P1		Moved equipment, lock blocks, and road plates to make access in a congested area
April 4, 2012	120404.8		7754.01	1627 P1		Cutting the pile to get drill ontop of pile – an alternae to pre-drilling
April 5, 2012	120405.1		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 10, 2012	120410.3		7754.01	1627 P1		Loaded out sheet piles that were removed to create better access
April 10, 2012	120410.4		7754.01	590		Forced to move connex out of the way to allow access for truck haul
April 11, 2012	120411.1		7754.01	1627 P1		Cutting the pile to get drill ontop of pile - an alternae to pre-drilling
April 11, 2012	120411.2		7754.01	1627 P1		Cutting the pile to get drill ontop of pile - an alternae to pre-drilling
April 11, 2012	120411.3		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 11, 2012	120411.4		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 11, 2012	120411.6		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 11, 2012	120411.7		7754.01	5902		Moved lunch trailer, material, and equipment to adjust in a congested working area
April 11, 2012	120411.9		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 11, 2012	120411.10		7754.01	1627		additional office coordinator to process paperwork
April 12, 2012	120412.1		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 12, 2012	120412.2		7554.02	5902 P2		installed driving shoes to s.17 work
April 12, 2012	120412.3		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 13, 2012	120413.1		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 13, 2012	120413.2		7754.01	1627 P1		Cutting the pile to get drill ontop of pile - an alternae to pre-drilling
April 13, 2012	120413.3		7754.01	1627 P1		Drilling on rock obstruction – an alternate to pre-drilling
April 13, 2012	120413.4		7754.01	1627 P1		Cutting the pile to get drill ontop of pile - an alternae to pre-drilling
April 13, 2012	120413.5		7754.01	1627 P1		additional office coordinator to process paperwork
April 14, 2012	120414.1		7754.01	1627 P1		Cutting the pile to get drill on top of pile - an alternae to pre-drilling
April 14, 2012	120414.2		7754.01	1627 P1		Congested area required re-building a crane pad
April 14, 2012	120414.3		7754.01	1627 P1		Congested area required re-building a crane pad - Standby
April 14, 2012	120414.4		7754.01	1627 P1		MOB in and out the Diesel hammer to allow for crane pad to be built
April 16, 2012	120416.2		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 16, 2012	120416.3		7754.03	5904		Prepping site for mobbing in equipment and material
April 17, 2012	120417.1		7754.01	1627 P1		Drilling on rock obstruction - an alternate to pre-drilling
April 17, 2012	120417.3		7754.01	5902 P2		Drilling on rock obstruction - an alternate to pre-drilling
April 17, 2012	120417.5		7754.01	5902 P2		Cutting the pile to get drill on top of pile - an alternae to pre-drilling
April 17, 2012	120417.7		7754.03	5904		Mobed into 5904 with equipment and material
April 18, 2012	120418.1		7754.01	5902 P2		Drilling on rock obstruction - an alternate to pre-drilling
April 18, 2012	120418.2		7754.01	5902 P2		Weld repair due to obstruction drilling - an alternate to pre-drilling
April 18, 2012	120418.3		7754.02	5902 P2		installed driving shoes to s.17 work
April 18, 2012	120418.4		7754.01	5902 P1		Re-mobed the crane from 5902 P1 to 1627 to finish 2nd stage pour

Port Mann Highway 1
Subcontractors Pricing Sheet

Kiewit FLATIRON

TI CORP #	D4.13F
Title	Ruskin additional mobe and s.17
Subgroup	NA
Estimator	Ameer Balouch

Date	FA No.	Amount	Cost Code	Location	Type	Description
April 18, 2012	120418.5	s.17,s.21	7754.01	5902	s.17	Move equipment to create access in congested area
April 18, 2012	120418.7		7754.01	5902 P2		Drilling on rock obstruction - an alternate to pre-drilling
April 18, 2012	120418.8		7754.03	5904		Mobing into 5904, 2nd crew coming in for s.17
April 19, 2012	120419.1		7754.01	5902 P2		Weld repair due to obstruction drilling - an alternate to pre-drilling
April 19, 2012	120419.2		7754.01	1627		Mob in hammer from other site to help s.17
April 19, 2012	120419.3		7754.01	5902 P2		Weld repair due to obstruction drilling - an alternate to pre-drilling
April 19, 2012	120419.4		7754.01	5902 P2		Weld repair due to obstruction drilling - an alternate to pre-drilling
April 19, 2012	120419.5		7754.01	5902 P2		Drilling on rock obstruction - an alternate to pre-drilling
April 19, 2012	120419.6		7754.01	5902 P2		Drilling on rock obstruction - an alternate to pre-drilling
April 19, 2012	120419.7		7754.01	5902 P2		Moved crane to create access in congested area
April 19, 2012	120419.8		7754.03	5904		Setting up crane pads and prepping site for mobing in cranes
April 19, 2012	120419.9		7754.03	5904		Fly in new drill operator for 2nd crew starting up for s.17
April 20, 2012	120420.2		7754.01	1627		Mobilized diesel hammer in and out of 1627 to allow pile driving s.17
April 20, 2012	120420.4		7754.01	5902 P2		Cutting the pile to get drill on top of pile - an alternae to pre-drilling
April 20, 2012	120420.5		7754.01	1627 P1		Cutting the pile to get drill on top of pile - an alternae to pre-drilling
April 20, 2012	120420.7		7754.02	5904		installed driving shoes to accelerate work
April 20, 2012	120420.8		7754.03	5904		2nd crew setting up at 5904 A5
April 20, 2012	120420.9		7754.03	5904		Prepped drill rig for 2nd crew at 5904
April 21, 2012	120421.2		7754.01	5902 P2		Drilling on rock obstruction - an alternate to pre-drilling
April 21, 2012	120421.3		7754.01	1627 P1		Mobed drop hammer out of the way to create access in congested area
April 21, 2012	120421.4		7754.01	1627 P1		Due to s.17 we were forced to stop work to review MEG (Geotech on site) repo
April 21, 2012	120421.5		7754.03	5904		Continue to MOB in and assemble crane for 2nd Ruskin crew
April 23, 2012	120423.1		7754.01	5902		Weld repair due to obstruction drilling - an alternate to pre-drilling
April 23, 2012	120423.4		7754.03	5904		Continue to MOB in and assemble crane for 2nd Ruskin crew
April 23, 2012	120423.6		7754.03	5904		Unloaded the SR90 Drill for 2nd pile driving crew
April 23, 2012	120423.7		7754.03	5904		Cutting the pile to get drill on top of pile - an alternae to pre-drilling
April 24, 2012	120424.1		7754.01	1627 P1		Moved equipment out of the way to allow access in a congested area
April 24, 2012	120424.2		7754.01	1627 P1		Due to s.17 we were forced to stop work to review MEG (Geotech on site) repo
April 24, 2012	120424.3		7754.03	5904		Continue to assemble the SR90 drill for the 2nd pile driving crew.
April 24, 2012	120424.5		7754.03	5904		Mobing in crew and resources to set up 2nd pile driving crew for s.17
April 25, 2012	120425.1		7754.01	1627 P1		Weld repair due to obstruction drilling - an alternate to pre-drilling
April 25, 2012	120425.2		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling
April 25, 2012	120425.3		7754.03	5904		Continue to assemble the SR90 drill for the 2nd pile driving crew.
April 25, 2012	120425.5		7754.01	1627 P1		Weld repair due to obstruction drilling - an alternate to pre-drilling
April 25, 2012	120425.7		7754.03	5904		MOB hammer box and generator for 2nd piling crew at 5904
April 26, 2012	120426.3		7754.03	5904		MOBed 2' drill bit for the 2nd Ruskin Crew at 5904
April 26, 2012	120426.4		7754.03	5904		Certification of drill rig prior to commencing s.17 work at 5904
April 27, 2012	120427.5		7754.03	5904		MOB in equipement for 2nd crew s.17 at 5904
April 27, 2012	120427.6		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling
April 28, 2012	120428.3		7754.01	1627 P1		Moved equipment out of the way for K/F's night shift working in the congested area
April 28, 2012	120428.4		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling

Total April	Difference for Draw 43
s.17,s.21	

Grand Total for Draw 43
s.17,s.21

May 1, 2012	120501.1	s.17,s.21	7754.01	1627	s.17
May 1, 2012	120501.3		7754.03	5904	
May 1, 2012	120501.4		7754.01	1627	
May 2, 2012	120502.1		7754.01	1627	
May 2, 2012	120502.2		7754.01	1627	
May 2, 2012	120502.3		7754.03	5904	
May 3, 2012	120503.1		7754.01	1627	
May 3, 2012	120503.3		7754.01	1627	
May 3, 2012	120503.4		7754.03	5904	
May 4, 2012	120504.1		7754.01	1627	

Temp. Can installed and backfilled with sand to s.17 pile driving
Drilling on rock obstruction - an alternate to pre-drilling
Temp. Can installed and backfilled with sand to s.17 pile driving
Drilling on rock obstruction - an alternate to pre-drilling
Multiple mobes to s.17 both 1627 and 5902
Drilling on rock obstruction - an alternate to pre-drilling
Cutting the pile to get drill ontop of pile - an alternae to pre-drilling
Installed driving shoes to s.17 work
Drilling on rock obstruction - an alternate to pre-drilling
Due to s.17 , there is no time for re-design and rectifications

Port Mann Highway 1
Subcontractors Pricing Sheet

Kiewit FLATIRON

TI CORP #	D4.13F
Title	Ruskin additional mobe and s.17
Subgroup	NA
Estimator	Ameer Balouch

Date	FA No.	Amount	Cost Code	Location	Type	Description
May 4, 2012	120504.3	s.17,s.21	7754.01	1627	s.17	s.17 was achieved by driving through sand.
May 4, 2012	120504.5		7754.01	1627		Congested area due to s.17 requires multiple mobes.
May 4, 2012	120504.6		7754.03	5904		Due to s.17 K/F Opted to using a baker tank to control water rather then waiti
May 4, 2012	120504.7		7754.02	1627		Installed driving shoes to s.17 work
May 5, 2012	120505.1		7754.01	1627		Installed driving shoes to work
May 7, 2012	120507.1		7754.01	1627		Installed driving shoes to work
May 7, 2012	120507.4		7754.01	5902		Due to s.17 the area is heavily congested and requires strategic mobes
May 7, 2012	120507.5		7754.01	1627		Congested area due to s.17 caused additional delay on trucking
May 8, 2012	120508.1		7754.01	1627		Due to s.17 the congested area required additional access set up
May 8, 2012	120508.2		7754.03	5904		Due to s.17 there was lack of time to prep site due to resource shortage
May 8, 2012	120508.4		7754.01	1627		Due to congested area, additional access prep was required
May 9, 2012	120509.1		7754.03	5904		Due to s.17 there was lack of time to prep site due to resource shortage
May 10, 2012	120510.1		7754.03	5904		Due to s.17 there was lack of time to prep site due to resource shortage
May 10, 2012	120510.2		7754.01	1627		Congested working area required additional moving of equipment
May 10, 2012	120510.4		7754.01	1627		Drilling on rock obstruction - an alternate to pre-drilling
May 11, 2012	120511.1		7754.03	5904		Due to s.17 there was lack of time to prep site due to resource shortage
May 11, 2012	120511.2		7754.01	5902		Congested area requires additional MOB & Clean-up
May 11, 2012	120511.4		7754.01	1627		Repair access in congested area
May 11, 2012	120511.5		7754.02	1627		Installed driving shoes to accelerate work
May 12, 2012	120512.1		7754.03	5904		Due to s.17 there was lack of time to prep site due to resource shortage
May 12, 2012	120512.2		7754.02	1627		Installed driving shoes to s.17 work
May 12, 2012	120512.4		7754.01	5902		Congested area due to s.17 requires prepping site for E/W crew
May 14, 2012	120514.1		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling
May 14, 2012	120514.2		7754.01	1627		Installed driving shoes to s.17 work
May 14, 2012	120514.3		7754.01	1627		Due to s.17 the area is heavily congested and requires strategic mobes
May 14, 2012	120514.4		7754.01	1627		Due to the area is heavily congested and requires additional mobes
May 14, 2012	120514.5		7754.01	5902		Due to the area is heavily congested and requires additional mobes
May 15, 2012	120515.1		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling
May 15, 2012	120515.2		7754.01	1627		Drilling on rock obstruction - an alternate to pre-drilling
May 16, 2012	120516.1		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling
May 17, 2012	120517.1		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling
May 17, 2012	120517.2		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling
May 22, 2012	120522.1		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling
May 23, 2012	120523.1		7754.03	5904		Drilling on rock obstruction - an alternate to pre-drilling

Total May	Difference for Draw 44
s.17,s.21	

Grand Total for Draw 44
s.17,s.21

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.13G
Title Additional Subs and Sub s.17 - Vacuum Truck
Subgroup G4
Estimator Ameer Balouch
Date June 14, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.17 **Item**

s.17 K/F requires additional vacuum truck resources besides the truck that is company owned. During these circumstances, K/F utilized McCraes Environmental Services Ltd. to support the operations inorder to not impact schedule.

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13G
Title Additional Subs and Sub s.17 - Vacuum Truck
Subgroup G4
Estimator Ameer Balouch

Description	Quantity	Unit	Unit Rate	Total
McCraes Support for the Central Segment Operations	1.00	LS	s.21	

Port Mann Highway 1
Small Tools and Services Pricing Sheet

TI CORP # D4.13G
Title Additional Subs and Sub s.17 - Vacuum Truck
Subgroup G4
Estimator Ameer Balouch

W/E Date	Invoice Number	Invoice Date	Invoice Amount	Vendor Name	Description	Amount
01-07-2012	270163	12-21-2011	s.21	MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-DISPOSAL FEES / VACUUM TRUCK SERVIC	s.21
02-11-2012	271066	01-17-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICE JAN1-17,'12	
02-18-2012	2866	02-01-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-REFER TO INV# 271890/CREDIT FOR 2 HRS	
02-18-2012	271890	01-31-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-VACUUM TRUCK; SEE CREDIT#2866	
02-18-2012	271890	01-31-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-VACUUM TRUCK/DISPOSAL FEES - OILY W	
02-18-2012	271890	01-31-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-VACUUM TRUCK	
02-25-2012	271889	01-24-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICE/DISPOSAL FEES JAN'	
03-03-2012	272185	02-16-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICE FEB1-16	
03-03-2012	272185	02-16-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICE FEB1-16	
03-03-2012	272185	02-16-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICE FEB1-16	
03-03-2012	272185	02-16-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICE FEB1-16	
03-03-2012	272185	02-16-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICE FEB1-16	
03-17-2012	273039	02-29-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICES FEB17-29	
03-17-2012	273039	02-29-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICES FEB17-29	
03-17-2012	273039	02-29-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICES FEB17-29	
03-17-2012	273039	02-29-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICES FEB17-29	
03-17-2012	273039	02-29-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-HYDROVAC SERVICES FEB17-29	
03-24-2012	272977	02-01-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-SWEEPER SERVICE FEB01	
03-24-2012	272977	02-01-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	JK-SWEEPER SERVICE FEB01	
04-14-2012	273770	03-10-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-HYDROVAC SERV.	
04-14-2012	273770	03-10-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-HYDROVAC SERV.	
04-14-2012	273770	03-10-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-HYDROVAC SERV.	
04-14-2012	273770	03-10-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-HYDROVAC SERV.	
04-21-2012	274323	03-24-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-HYDROVAC SERV.	
04-21-2012	274323	03-24-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-HYDROVAC SERV.	
04-21-2012	274642	03-23-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-HYDROVAC SERV.	
04-21-2012	274323	03-24-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-HYDROVAC SERV.	
04-21-2012	274323	03-24-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-HYDROVAC SERV.	
04-28-2012	274431	03-07-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-SWEEPER SERV	
04-28-2012	272800	02-21-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-VACCUM TRUCK	
04-28-2012	275231	04-01-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	DS-SEMI TRAILER VACUM	
05-19-2012	275795	04-30-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	AS-HYDROVAC SERVICE/APR 17-30	
05-19-2012	275795	04-30-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	AS-HYDROVAC SERVICE/APR 17-30	
05-19-2012	275795	04-30-2012		MCRAE'S ENVIRONMENTAL SERVICES LTD	AS-HYDROVAC SERVICE/APR 17-30	
					Total:	

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP #	D4.13J
Title	Additional Traffic Control
Subgroup	NA
Estimator	Ameer Balouch & Zach Brummer
Date	May 26, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.17 **Item**

This item includes all additional subcontracted traffic control that was used on an as-needed basis
s.17

Port Mann Highway 1
Subcontractors Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.13J
Title Additional Traffic Control
Subgroup NA
Estimator Ameer Balouch & Zach Brummer

Subcontractor	Work Description	Quantity	Unit	Unit Rate	Total
Fast Lane				s.21	
Approved Invoices		1.00	LS		
Cost from Tickets through May 26		1.00	LS		

** "Cost without an Invoice" will be adjusted as Invoices are recieved

TI CORP # D4.13J
Title Additional Traffic Control
Subgroup Fast Lane Invoices
Estimator Ameer Baiouch & Zach Brummer

Kiewit FLATIRON

W/E Date	Invoice Number	Invoice Date	Invoice Amount	Vendor Name	Cost Code	Expense Code	Amount
	1580	04-16-2012	s.21	LIQUID CAPITAL	7758.01	90	s.21
	1580	04-17-2012		LIQUID CAPITAL	7758.02	90	
02-04-2012	1393	12-27-2011		LIQUID CAPITAL EXCHANGE CORP	7758.02	90	
02-04-2012	1394A	12-27-2011		LIQUID CAPITAL EXCHANGE CORP	7758.02	90	
04-14-2012	1415	01-10-2012		LIQUID CAPITAL	7758.02	90	
04-14-2012	1418	01-10-2012		LIQUID CAPITAL	7758.02	90	
04-14-2012	1419	01-10-2012		LIQUID CAPITAL	7758.02	90	
03-03-2012	1426	01-24-2012		LIQUID CAPITAL EXCHANGE CORP	7758.02	90	
03-03-2012	1429	01-24-2012		LIQUID CAPITAL EXCHANGE CORP	7758.02	90	
04-07-2012	1442	02-06-2012		LIQUID CAPITAL	7758.02	90	
04-07-2012	1444	02-06-2012		LIQUID CAPITAL	7758.02	90	
04-07-2012	1448	02-06-2012		LIQUID CAPITAL	7758.02	90	
04-07-2012	1465	02-20-2012		LIQUID CAPITAL	7758.02	90	
04-07-2012	1468	02-21-2012		LIQUID CAPITAL	7758.02	90	
04-28-2012	1485A	03-06-2012		LIQUID CAPITAL	7758.02	90	
04-28-2012	1486A	03-06-2012		LIQUID CAPITAL	7758.02	90	
04-28-2012	1507A	03-14-2012		LIQUID CAPITAL	7758.02	90	
04-28-2012	1532	03-30-2012		LIQUID CAPITAL	7758.02	90	
04-28-2012	1553	02-04-2012		LIQUID CAPITAL	7758.02	90	
04-28-2012	1560A	04-04-2012		LIQUID CAPITAL	7758.02	90	
05-05-2012	1577A	04-16-2012		LIQUID CAPITAL	7758.01	90	
05-05-2012	1577A	04-16-2012		LIQUID CAPITAL	7758.02	90	
05-05-2012	1580	04-16-2012		LIQUID CAPITAL	7758.01	90	
05-05-2012	1580	04-16-2012		LIQUID CAPITAL	7758.02	90	
05-05-2012	1584	04-17-2012		LIQUID CAPITAL	7758.02	90	

** Liquid Capital provides invoicing services for Fast Lane

Total Cost for Progress Draw #44

TI CORP # D4.13J
Title Additional Traffic Control
Subgroup Fast Lane Ticket Tracking
Estimator Ameer Balouch & Zach Brummer

Date	Sub #	Cost Code	Reg Time	Time and 1/2	Double Time	Travel Time Truck	Client Sub#	Reg Time	Time and 1/2	Double Time	Travel Time Truck
2-Mar-12		s.21					18226	2			
17-Mar-12							20653		3	4	
19-Mar-12							19699	8	0.5		
20-Mar-12							19700	8	1		
14-Apr-12	19172			2							
16-Apr-12	20072		8	0.5							
16-Apr-12							20682	4.5			
16-Apr-12							19173	4.5			
16-Apr-12	19832		5								
16-Apr-12							17808	7			
16-Apr-12							19506	5.5			
17-Apr-12	20073		4								
17-Apr-12	21140		4								
17-Apr-12							21387	8	0.5		
17-Apr-12							19507	8			
17-Apr-12							19174	8			
17-Apr-12	17809		4								
18-Apr-12							21388	8			
18-Apr-12	17810		2								
18-Apr-12							19904	7.5			
18-Apr-12							19175	6			
18-Apr-12	20074		7								
18-Apr-12	21141		7								
19-Apr-12	21142		8								
19-Apr-12	20075		8								
19-Apr-12							21389	8			
19-Apr-12							20685	8	0.5		
19-Apr-12							19176	8			
19-Apr-12							19905	8			
20-Apr-12	21143		4								
20-Apr-12	20076		4								
20-Apr-12							19785	8	3		
20-Apr-12							18301	5	3		
20-Apr-12							19906	5	3	2	
20-Apr-12							21390	3	5	2	
21-Apr-12							20686	5	10		
21-Apr-12	21391		4								
21-Apr-12	19178		2								
21-Apr-12	19907		2								
23-Apr-12	20078		6.5								
23-Apr-12	20285		6.5								
23-Apr-12							17811	8			
23-Apr-12							20687	8			
23-Apr-12							19510	8			
24-Apr-12	21145		7.5								
24-Apr-12	20079		7.5								
24-Apr-12	20688		8	2							
24-Apr-12							17812	8			
24-Apr-12	19511		2								
25-Apr-12	20080		8								
25-Apr-12	21146		8								
26-Apr-12	21147		7.5								
26-Apr-12	20081		7.5								
27-Apr-12	21148		6								
27-Apr-12	20082		6								
27-Apr-12							20694	5	3	4.5	
27-Apr-12							19786	5	3	4	
27-Apr-12							19183	5	3	3.5	
27-Apr-12	17814		4								
28-Apr-12							20695	5.5	2.5	5.5	
30-Apr-12	18739		8	1							
30-Apr-12	21274		4.5								
30-Apr-12	20083		5								
30-Apr-12	20696		5				20696	2			
30-Apr-12	17815		5				17815	3			

TI CORP # D4.13J
Title Additional Traffic Control
Subgroup Fast Lane Ticket Tracking
Estimator Ameer Balouch & Zach Brummer

Date	Ticket #	Cost Code	Reg Time	Time and 1/2	Double Time	Travel Time/Truck	Night Shift	Reg Time	Time and 1/2	Double Time	Travel Time/Truck
30-Apr-12	20697	s.21	5				20697	1.5			
1-May-12	21275		8	1.5							
1-May-12	18740		8	1.5							
1-May-12							20698	8	2		
1-May-12							17816	8	2		
1-May-12							19516	8	2		
2-May-12	18741		8	3							
2-May-12	21276		8	3							
2-May-12							20700	8	3		
2-May-12							17817	8	1.5		
2-May-12							19456	8	1		
2-May-12							19184	8	1.5		
3-May-12	18742		8	2							
3-May-12	21277		8	3							
3-May-12							19517	8	2		
3-May-12							18302	8	2		
3-May-12							19457	8			
3-May-12	17818		5.5								
4-May-12	21278		4								
4-May-12	18743		5.5								
4-May-12							17819	5	3	3	
4-May-12							19518	5	3	2.5	
4-May-12							19186	5	3	2.5	
4-May-12							19787	8	2		
5-May-12							17820		4.5	3	
5-May-12							18303		5	9.5	
5-May-12	20179			2							
5-May-12	19519			2							
7-May-12	21279		8	3							
7-May-12	18745		8	3							
8-May-12							18358	8	3		
8-May-12							18357	8	3		
8-May-12	21280		8	2.5							
8-May-12	18746		8	2.5							
8-May-12							19187	8	1		
8-May-12							19521	8	0.5		
8-May-12							19522	8			
9-May-12							18304	8	1		
9-May-12	18747		8	0.5							
9-May-12	21281		8	0.5							
9-May-12							17821	8	1		
9-May-12							18305	7.5			
9-May-12							19188	5			
9-May-12							19523	4			
10-May-12							19524	4			
10-May-12							18307	4			
10-May-12							19189	8	1		
10-May-12							18306	8	1.5		
10-May-12							17822	8	2.5		
10-May-12	18748		8	1							
10-May-12	21282		8	1							
11-May-12	18749		8	1.5							
11-May-12	17823		5				17823	3			
11-May-12	21283		8	1							
11-May-12	19190		5				19190	3	4		
11-May-12	19788		5				19788	3	2		
11-May-12	18309		5				18309	3	2		
11-May-12	18308		5				18308	2.5			
12-May-12	18311			2							
12-May-12	18310			2							
12-May-12	19191			2							
12-May-12	19910			2							
12-May-12	19909			2							
14-May-12							19652	8	2.5		

TI CORP # D4.13J
Title Additional Traffic Control
Subgroup Fast Lane Ticket Tracking
Estimator Ameer Balouch & Zach Brummer

Date	Slip #	Cost Code	Reg Time	Time and 1/2	Double Time	Travel Time Truck	Night Shift	Reg Time	Time and 1/2	Double Time	Travel Time Truck
14-May-12		s.21					19193	8			
14-May-12							19526	8			
14-May-12							19653	8			
14-May-12	17824		4								
15-May-12							18360	8	2		
15-May-12							18359	8	2		
15-May-12							19194	8	0.5		
15-May-12							19527	6			
16-May-12							20088	8	3		
16-May-12							19655	8	3		
16-May-12							19654	8	0.5		
16-May-12							19195	8			
17-May-12							19657	8	2		
17-May-12							19656	8	2		
17-May-12							19529	8	2		
17-May-12							19197	7.5			
17-May-12							19196	7.5			
22-May-12							19659	8	2		
22-May-12							19530	8	2		
22-May-12							19658	8	0.5		
22-May-12	20089		4								
22-May-12							18003	8	1		
24-May-12							19662	8	1.5		
24-May-12							19663	8	2.5		
25-May-12	19664		5				19664		3	3	
25-May-12	19789		5				19789		3	1	
25-May-12	19661		5				19661		2		
25-May-12	19660		5				19660		3	2	
26-May-12							18315		4	4.5	
26-May-12							18316		4	6	

	Total Hrs by Cost Code							
s.21								

Total Hrs Through May 26	s.21
Unit Rate	
Extended Cost Through May 26	

Total Cost to be Included on Progress Draw s.21

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP # D4.16
Title DEWATERING
Subgroup -N/A-
Estimator ADAM GEYER
Date June 6, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	

Total

Summary of s.17 **Item**

K/F is requesting reimbursement for additional costs of dewatering operations beyond the scope of CC-0129. K/F estimated CC-0129 to include dewatering costs only until April 29, 2012. s.17
s.17
s.17
Progress Draw 44 includes K/F labour, equipment, and StormTec water filtration costs.

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP #	D4.16	D4.
Title	DEWATERING	DEWATERING
Subgroup	-N/A-	-N/A-
Estimator	ADAM GEYER	ADAM GEYER

Date	EMP Name	Base Rate	Craft Description	Category Class	Hrs	ST Amt (Inc. CLAC Prem.)
29/04/2012 Total					s.21	
30/04/2012 Total						
01/05/2012 Total						
02/05/2012 Total						
03/05/2012 Total						
04/05/2012 Total						
05/05/2012 Total						
06/05/2012 Total						
07/05/2012 Total						
08/05/2012 Total						
09/05/2012 Total						
10/05/2012 Total						
11/05/2012 Total						
12/05/2012 Total						
13/05/2012 Total						
14/05/2012 Total						
15/05/2012 Total						
16/05/2012 Total						
17/05/2012 Total						
18/05/2012 Total						
19/05/2012 Total						
20/05/2012 Total						
21/05/2012 Total						
22/05/2012 Total						
23/05/2012 Total						
24/05/2012 Total						
25/05/2012 Total						
26/05/2012 Total						
Sub Total					s.21	

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.16
Title DEWATERING
Subgroup -N/A-
Estimator ADAM GEYER

Description	Quantity	Unit	Unit Rate	Total
Manhour STS	s.21			
Stormtec invoice number 11-4647F 4-29-12 to 5-10-12				
Stormtec invoice number 12-4046B 4-28-12 to 5-25-12				
Stormtec invoice number 12-4018C 4-28-12 to 5-15-12				

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP #	D4.16
Title	DEWATERING
Subgroup	-N/A-
Estimator	ADAM GEYER

Date	Equip #	Equipment Description	Cost Code Description	Hrs	Unit Rate	Total
30/04/2012 Total				s.21		s.21
01/05/2012 Total						
02/05/2012 Total						
03/05/2012 Total						
04/05/2012 Total						
07/05/2012 Total						
08/05/2012 Total						
09/05/2012 Total						
10/05/2012 Total						
11/05/2012 Total						
12/05/2012 Total						
13/05/2012 Total						
14/05/2012 Total						
15/05/2012 Total						
16/05/2012 Total						
17/05/2012 Total						
18/05/2012 Total						
19/05/2012 Total						
20/05/2012 Total						
21/05/2012 Total						
22/05/2012 Total						
23/05/2012 Total						
24/05/2012 Total						
25/05/2012 Total						
26/05/2012 Total						
Sub Total						

Total

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP #	D4.17
Title	Design Impacts
Subgroup	Temporary Design Services, Segment 2 PARTIAL
Estimator	Nick Goodwin
Date	12-Jun-12

Line	Cost Type	
1	D4.17A - Temp Design Services	s.17,s.21
2	D4.17B - H5M Design Support	

Total

Summary of s.17 **Item**

Detour 66 (Realignment of HWY 1 WB Off-Ramp To Brunette NB) is required s.17
s.17 K/F requests reimbursement for additional costs of temporary design services for detour 66.

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP #	D4.17A
Title	Design Impacts
Subgroup	Temporary Design Services, Segment 2 PARTIAL
Estimator	Nick Goodwin
Date	6/12/2012

Line	Cost Type	
1	Labour	s.17,s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	

Tota

Summary of s.17 **Item**

Detour 66 (Realignment of HWY 1 WB Off-Ramp To Brunette NB) is required s.17
s.17 K/F requests reimbursement for additional costs of temporary design services for detour 66.

Port Mann Highway 1
Subcontractors Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.17A
Title Design Impacts
Subgroup Additional Design Services Segment 2 (12/20/11 to 5/26/12) PARTIAL
Estimator Nick Goodwin

6/12/2012

DETOUR NUMBER	MESL	Stantec	Traffic Counts	GeoPac	PBA	Total
CD-066	10922.03	NA	NA	NA	NA	s.17,s.21

Total :

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.17B
Title H5M Design Support
Subgroup H5M Design Support Segment 2 PARTIAL
Estimator Nick Goodwin
Date 6/12/2012

Line	Cost Type	
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	

Tota

Summary of s.17 **item**

H5M has provided specific design services s.17
s.17 . This is a partial request for cost reconciliation from December 20, 2011 to May 26, 2012.

Port Mann Highway 1
Subcontractors Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.17B
Title H5M Design Support
Subgroup H5M Design Support Segment 2 PARTIAL
Estimator Nick Goodwin

Subcontractor	Work Description	Quantity	Unit	Unit Rate	Total
H5M Design	XT01 Structure 1628: Review of Temp. Works Designer Submittal	1.00	ls	s.21	
H5M Design	XT02 Early Removal Assesment for Surcharges- "The Bulge" Area CB-S2	1.00	is		
H5M Design	XT03 Additional DRDC Efforts	1.00	is		
H5M Design	XT04 Additional Design Management & Coordination	1.00	ls		
H5M Design	XT05 Changes to accommodate amended 8-Lane Tolling Components	1.00	ls		
H5M Design	XT06 Telus Relocation @ Brunette for Wall 8430 and C046 (KF invoiced in D4.26 Telus)	1.00	ls		

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.18
s.17,s.21

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit
FLATIRON

TI CORP # D4.18A
s.17,s.21

Port Mann Highway 1
Labour Pricing Sheet

TI CORP # D4.18A
Title Additional Field Support, Segment 1
Subgroup Quality, Warehouse, Environmental, Survey, Traffic Control Support PARTIAL ITEM
Estimator NICK GOODWIN

Date	EMP Name	Rate	Craft Description	Category Class	Hrs	ST Amt
N/A	N/A	N/A	Quality	N/A	s.21	
N/A	N/A	N/A	Warehouseman	N/A		
N/A	N/A	N/A	Environmental/Erosion Cntrl	N/A		
N/A	N/A	N/A	Survey	N/A		
N/A	N/A	N/A	Traffic control (MOT)	N/A		

s.21

Kiewit FLATIRON

TI CORP #	D4.18A
Title	Additional Field Support, Segment 1
Subgroup	Quality, Warehouse, Environmental, Survey, Traffic Control Support PARTIAL ITEM
Estimator	NICK GOODWIN

SEGMENT 1					
	Craft				
Description	**Manhours**	**MH/Rate**	**Total MH**	**$/MH**	**Total $**
Quality	s.21				
Warehouseman					
Environmental/Erosion Cntrl					
Survey					
Traffic control (MOT)					

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP # D4.18B
Title Additional Field Support, Segment 2
Subgroup Quality, Warehouse, Environmental, Survey, Traffic Control Support PARTIAL ITEM
Estimator NICK GOODWIN
Date June 12, 2012 **Period** **12/20/11 to 5/26/12**

SEGMENT 2		
Line	**Cost Type**	**Total Dollars**
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	

Total

Summary of s.17 **Item**

s.17

Port Mann Highway 1
Labour Pricing Sheet

TI CORP # D4.18B
Title Additional Field Support, Segment 2
Subgroup Quality, Warehouse, Environmental, Survey, Traffic Control Support PARTIAL ITEM
Estimator NICK GOODWIN

Date	EMP Name	Base Rate	Craft Description	Category Class	Hrs	ST Amt
N/A	N/A	N/A	Quality	N/A	s.21	
N/A	N/A	N/A	Warehouseman	N/A		
N/A	N/A	N/A	Environmental/Erosion Cntrl	N/A		
N/A	N/A	N/A	Survey	N/A		
N/A	N/A	N/A	Traffic control (MOT)	N/A		

s.21

Port Mann Highway 1
QWEST Pricing Sheet

Kiewit FLATIRON

TI CORP #	D4.18B
Title	Additional Field Support, Segment 2
Subgroup	Quality, Warehouse, Environmental, Survey, Traffic Control Support PARTIAL ITEM
Estimator	NICK GOODWIN

SEGMENT 2					
	Craft				
Description	**Manhours**	**MH/Rate**	**Total MH**	**$/MH**	**Total $**
Quality	s.21				
Warehouseman					
Environmental/Erosion Cntrl					
Survey					
Traffic control (MOT)					

s.21

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.18C
Title Additional Field Support, Segment 4
Subgroup Quality, Warehouse, Environmental, Survey, Traffic Control Support PARTIAL ITEM
Estimator NICK GOODWIN
Date June 12, 2012 **Period** **12/20/11 to 5/26/12**

SEGMENT 4		
Line	**Cost Type**	**Total Dollars**
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.17 **Item**

s.17

Port Mann Highway 1
Labour Pricing Sheet

TI CORP # D4.18C
Title Additional Field Support, Segment 4
Subgroup Quality, Warehouse, Environmental, Survey, Traffic Control Support PARTIAL ITEM
Estimator NICK GOODWIN

Date	EMP Name	Base Rate	Craft Description	Category Class	Hrs	ST Amt
N/A	N/A	N/A	Quality	N/A	s.21	
N/A	N/A	N/A	Warehouseman	N/A		
N/A	N/A	N/A	Environmental/Erosion Cntrl	N/A		
N/A	N/A	N/A	Survey	N/A		
N/A	N/A	N/A	Traffic control (MOT)	N/A		

s.21

Kiewit FLATIRON

TI CORP #	D4.18C
Title	Additional Field Support, Segment 4
Subgroup	Quality, Warehouse, Environmental, Survey, Traffic Control Support PARTIAL ITEM
Estimator	NICK GOODWIN

SEGMENT 4					
	Craft				
Description	Manhours	MH/Rate	Total MH	$/MH	Total $
Quality	s.21				
Warehouseman					
Environmental/Erosion Cntrl					
Survey					
Traffic control (MOT)					

s.21

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP # D4.19
Title Additional Field Equipment/Outside Rental Cranes (N7)
Subgroup NA
Estimator Jeff Morgan
Date June 8, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Fuel	
3	Equipment	
4	Materials	
5	Small Tools and Supplies	

Total $ 15,233.03

Summary of s.1 7 **Item**

K/F is providing a small credit for the Si Tech Robotic unit due to reconciling the actual invoice with the estimated amount previously billed.

s.17

s.17 The request includes invoiced cost for outside rented equipment and fuel costs for the period from March 3, 2012 to May 26, 2012.

Included in Progress Draw 44 are credits for equipment costs previously billed.

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit
FLATIRON

TI CORP # D4.19
Title Additional Field Equipment/Outside Rental Cranes (N7)
Subgroup NA
Estimator Jeff Morgan All on ATC
S.21

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.19
Title Additional Field Equipment/Outside Rental Cranes (N7)
Subgroup NA
Estimator Jeff Morgan

Equip #	Equipment Description	Date	Cost Code Description	Hrs	Unit Rate	Total
	TS-SPs930 Robotic	25/05/2012	7800.05small equip purchase			s.21
	TS-SPs930 Robotic	25/05/2012	Credit from PD 41			
	TS-SPs930 Robotic	29/05/2012	Credit from PD 43			
50227	Cat 930 loader	23/12/2011	Credit from PD 43			
50269	CAT TL943 Telehandler	02/05/2012	Credit from PD 43			
50371	Magnum MLT 3060 Light Plant	23/12/2011	Credit from PD 43			
50372	Magnum MLT 3060 Light Plant	23/12/2011	Credit from PD 43			
50373	Magnum MLT 3060 Light Plant	22/12/2011	Credit from PD 43			

RA#	Equipment Description	Offrent Date	Included Invoices
50329	CAT 259B Skid Steer		259157808
50388	Genie S65 Manlift		19143331-0004;19143331-0005 @ $3,400 Ea
50411	JLG 600S Manlift		100821033-004
50417	Genie S65 Manlift		100861897-004
50430	Magnum MMG55 Generator		100913755-004
50477	Lightplant	30/4/2012	101749281-004
50478	Lightplant	14/3/2012	101748238-001
50479	Lightplant	30/4/2012	101747669-004
50483	Lightplant	05/01/2012	101751417-004
50485	JCB 520 Telehandler		101784985-002
50486	JLG 10054 Telehandler	26/4/2012	101796496-002
50503	CMS Boards	25/4/2012	3106
50504	CMS Boards	25/4/2012	3105
50528	CAT TL943 Telehandler		19144797-0001
50505	John Deere CX322 Skid Steer	05/01/2012	102036029-002
50396	Lightplant	23/12/2011	100564855-001
50404	Genie S85 Manlift	23/03/2012	100802644-001
50371	Magnum MLT 3060 Light Plant	23/12/2011	100207682-002
50372	Magnum MLT 3060 Light Plant	23/12/2011	100207714-002
50373	Magnum MLT 3060 Light Plant	22/12/2011	100207459-002

Total

Kiewit FLATIRON

TI CORP # D4.19
Title Additional Field Equipment/Outside Rental Cranes (N7)
Subgroup NA
Estimator Jeff Morgan

Subcontractor	Work Description	Quantity	Unit	Unit Rate	Total
Sterling Crane IN 533437	EPS Panels 5910	1.00	LS	s.21	
Sterling Crane IN 533438	EPS Wall Panels 5910	1.00	LS		
Sterling Crane IN 533510	5906.5 EPS Panels	1.00	LS		
Eagle West Truck & Crane SIN0047890	Credit from PD 42	1.00	LS		

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.20/N2
Title Concrete Heat & Hoard
Subgroup NA
Estimator Jeff Morgan
Date June 7, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.1 7 **Item**

Three different equipment items have been adjusted from progress draw 43.

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.20/N2
Title Concrete Heat & Hoard
Subgroup NA
Estimator Jeff Morgan

Date	Equip #	Equipment Description	Cost Code Description	Hrs	Unit Rate	Total

s.21

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D4.21
s.17,s.21

Kiewit FLATIRON

TI CORP # D4.21
Title Existing CP Rail Contamination Remediation
Subgroup N/A
Estimator Jeff Morgan

Description	Quantity	Unit	Unit Rate	Total
Progress Draw # 43 (Credit)	1.00	LS	s.21	

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.21
Title Contaminants
Subgroup N/A
Estimator Jeff Morgan

Equip #	Equipment Description	Date	Cost Code Description	Hrs	Unit Rate	Total
37-2096	S4 - CATERPILLAR 980H LOADER	5/2/2012	7203.34.00 / EXISTING CPR REMED. S2-216	s.21		

05-2560 S4 - CAT D6H LGP S-BLADE

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP # D4.22/N5
Title Kinder Morgan Mitigation/Betterment
Subgroup NA
Estimator Adam Geyer
Date May 29, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.17 **Item**

K/F's plan for construction work activities in the vicinity of the Kinder Morgan pipeline, under the CP Rail tracks, required no upgrade to the existing pipeline. Kinder Morgan, however, determined that their pipeline needed to be excavated, inspected, and recoated at K/F cost. Kinder Morgan would not approve K/F's construction permit without agreeing to their permit requirements. Enclosed are Kinder Morgan's partial costs for recoating, inspection, and oversight.

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.22/N5
Title Kinder Morgan Mitigation/Betterment
Subgroup NA
Estimator Adam Geyer

Description	Quantity	Unit	Unit Rate	Total
Manhour labor STS	0.00	mh	s.21	
Kinder Morgan Invoice for the period April 1st - April 30th, 2012	1.00	ls		

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP #	D4:24-N9
Title	Form Work Materials
Subgroup	NA
Estimator	Ameer Balouch & Zach Brummer
Date	May 17, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.1 7 **Item**

K/F is requesting to be reimbursed for the additional costs to purchase and fabricate additional formwork materials so that K/F can facilitate work on multiple bridge structures s.17
s.17 This request includes only partial costs for Bridges 1627, 5902 and 5904.

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.24-N9
Title Form Work Materials
Subgroup NA
Estimator Ameer Balouch & Zach Brummer

Date	EMP Name	Base Rate	Craft Description	Category Class	Hrs	ST Amt (Inc. CLAC Prem.)
5/14/2012	CLARY ADAM	s.21				
5/14/2012	CLARY ADAM					
5/14/2012	TYMOFICHUK JASON					
5/14/2012	TYMOFICHUK JASON					

s.21

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.24-N9
Title Form Work Materials
Subgroup NA
Estimator Ameer Balouch & Zach Brummer

Description	Quantity	Unit	Unit Rate	Total
Man Hour STS	s.21			
Dicks Lumber - May 8, 2012				
Dicks Lumber - May 11, 2012				

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP # D4.26
Title Telus Utility Relocate
Subgroup NA
Estimator Jeff Morgan
Date 6/7/2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.17 **Item**

K/F is requesting to be reimbursed for the costs of s.17 the Telus fiber line relocation, and K/F support to relocate the Telus fiber line at the NE quadrant of the Brunette Avenue interchange.

Wall 8430R s.17 allows WB Highway 1 to exit onto SB Brunette Avenue. Construction of this wall was on standby due to the TELUS fiber line that was excluded from CCO-043 (ICBC). The previous location of the TELUS fiber line conflicted with Wall 8430R. This fiber line was relocated at a deeper depth to avoid conflict with the final design.

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.26
Title Telus Utility Relocate
Subgroup NA
Estimator Jeff Morgan

Labour

DATE	EMP NAME	BASE RATE	CRAFT DESCRIPTION	CATEGORY/CLASS	HRS	ST AMT (Inc. CLAC Prem.)
5/17/2012	s.21					
5/17/2012						
5/17/2012						
5/17/2012						
5/18/2012						
5/18/2012						
5/18/2012						

s.21

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.26
Title Telus Utility Relocate
Subgroup NA
Estimator Jeff Morgan

Small Tools and Services

Description	Quantity	Unit	Unit Rate	Total
K/F support to relocate the ductbank	18.50	MHR	s.21	

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.26
Title Telus Utility Relocate
Subgroup NA
Estimator Jeff Morgan

Equipment

EQP#	EQP DESCRIPTION	COSTCODE DESCRIPTION	DATE	HRS	Unit Rate	Total
02-6336	S2 - F250 HATHAWAY STEVEN	7816.01.00 / (N21) TELUS RELOC. @ BRUNETTE	5/17/2012	s.21		
02-6336	S2 - F250 HATHAWAY STEVEN	7816.01.00 / (N21) TELUS RELOC. @ BRUNETTE	5/18/2012			
06-1021	S2 - CATERPILLAR 420D IT	7816.01.00 / (N21) TELUS RELOC. @ BRUNETTE	5/18/2012			
06-1021	S2 - CATERPILLAR 420D IT	7816.01.00 / (N21) TELUS RELOC. @ BRUNETTE	5/17/2012			
37-5014	345 Cat Hoe	7816.01.00 / (N21) TELUS RELOC. @ BRUNETTE	5/8/2012			
02-6611	S2 - F150 DRAINAGE CREW TRUCK	7816.01.00 / (N21) TELUS RELOC. @ BRUNETTE	5/8/2012			

Port Mann Highway 1
Permanent Materials Pricing Sheet

Kiewit FLATIRON

TI CORP # D4.26
Title Telus Utility Relocate
Subgroup NA
Estimator Jeff Morgan

Materials

Material	Work Description	Quantity	Unit	Unit Rate	Total
20mm Clear Crush Invoice 23654493	Backfill ductbank	12.63	TM	s.21	
20mm Clear Crush Invoice 23636356	Backfill ductbank	32.13	TM		

Port Mann Highway 1
Subcontractors Pricing Sheet

TI CORP # D4.26
Title Telus Utility Relocate
Subgroup NA
Estimator Jeff Morgan

Subcontractors

Subcontractor	Work Description	Quantity	Unit	Unit Rate	Total
Vieiras Trucking LTD invoice 210	Haul Material	1.00	LS	s.21	
Mission Trucking IN 14832	Haul Material	1.00	LS		

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D6.01
Title Additional Supervision
Subgroup N/A
Estimator Nick Goodwin/ Ed Yee
Date May 28, 2012

Pages	Cost Type	Total Dollars
110 - 138	D6.01A - Additional Supervision	s.21
139 - 155	D6.01B - (Cost/Operations/Deferrment Teams)	

Total

Summary of s.17 **Item**

See attached summaries

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D6.01A
Title Additional Supervision
Subgroup HUB Indirect PARTIAL
Estimator Nick Goodwin
Date May 28, 2012

Pages	Cost Type	Total Dollars
111 - 116	D6.01A1 - HUB Indirect	s.21
117 - 123	D6.01A2 - Segment 1 Indirect	
124 - 132	D6.01A3 - Segment 2 Indirect	
133 - 138	D6.01A3 - Segment 4 Indirect	

Total

Summary of s.17 **Item**

See attached summaries

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP #	D6.01A1
Title	Additional Supervision
Subgroup	HUB Indirect PARTIAL
Estimator	Nick Goodwin
Date	May 28, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	
	Total	

Summary of s.17 **Item**

K/F is requesting additional HUB supervision and supervision support cost required to assist each of the four segments. HUB support is allocated to each segment as follows (Segment 1-20%, Segment 2-30%, Segment 3-20%, Segment 4-25%, and Maintainance 5%). s.17

s.17

s.17

This request is a partial request for only HUB support from December 20, 2011 to May 26, 2012. K/F has adjusted the current amount billed to account for K/F's internal audit findings of Progress Draw 43

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A1
Title Additional Supervision
Subgroup HUB Indirect PARTIAL
Estimator Nick Goodwin

Cost Item	Cost Group	Unit Rate	Accelerated Staff Mwks/Mhs	Unit	Accelerated Staff Cost
8112	Supervision	s.21			

s.21

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A1
Title Additional Supervision
Subgroup HUB Indirect PARTIAL
Estimator Nick Goodwin

Equip #	Equipment Description	Date	Cost Code Description	Hrs	Unit Rate	Total
			Staff Vehicles	s.21		

s.21

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A1
Title Additional Supervision
Subgroup HUB Indirect PARTIAL
Estimator Nick Goodwin

Description	Quantity	Unit	Unit Rate	Total
Site Prep & Cleanup	s.21			
Building Setup/Dismantle				
Facility Setup/Dismantle				
Equipment Mobe/Demobe				
Security				
Project Access				
Staff Expenses				
Job Office Expenses				
Craft Expenses				

Page 198 to/à Page 199

Withheld pursuant to/removed as

s.21;s.17

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit
FLATIRON

TI CORP # D6,01A2
s.17,s.21

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A2
Title Additional Supervision
Subgroup Segment #1 (PARTIAL ITEM)
Estimator Nick Goodwin

Cost Item	Cost Group	Unit Rate	Accelerated Staff Mwks/Mhs	Unit	Accelerated Staff Cost
8112	Supervision	s.21			

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A2
Title Additional Supervision
Subgroup Segment #1 (PARTIAL ITEM)
Estimator Nick Goodwin

Description	Quantity	Unit	Unit Rate	Total
Site Prep & Cleanup	s.21			
Building Setup/Dismantle				
Facility Setup/Dismantle				
Security				
Project Access				
Staff Expenses				
Job Office Expense				
Craft Expenses				

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A2
Title Additional Supervision
Subgroup Segment #1 (PARTIAL ITEM)
Estimator Nick Goodwin

Equip #	Equipment Description	Date	Cost Code Description	Hrs	Unit Rate	Total
			Staff Vehicles	s.21		

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A2
Title Additional Supervision
Subgroup Segment #1 (PARTIAL ITEM)
Estimator Nick Goodwin

Description	Quantity	Unit	Unit Rate	Total
Equipment Mobe/Demobe	s.21			

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Withheld pursuant to/removed as

s.21;s.17

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit
FLATIRON

TI CORP # D6.01A3
s.17,s.21

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A3
Title Additional Supervision
Subgroup Segment #2 PARTIAL
Estimator Nick Goodwin

Cost Item	Cost Group	Unit Rate	Accelerated Staff Mwks/Mhs	Unit	Accelerated Staff Cost
8112	Supervision	s.21			

s.21

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A3
Title Additional Supervision
Subgroup Segment #2 PARTIAL
Estimator Nick Goodwin

Description	Quantity	Unit	Unit Rate	ToDate Total
Site Prep & Cleanup	s.21			
Building Setup/Dismantle				
Facility Setup/Dismantle				
Security				
Project Access				
Staff Expenses				
Job Office Expenses				
Craft Expenses				

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A3
Title Additional Supervision
Subgroup Segment #2 PARTIAL
Estimator Nick Goodwin

Equip #	Equipment Description	Date	Cost Code Description	Hrs	Unit Rate	Todate Total
			Staff Vehicles s.21			

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A3
Title Additional Supervision
Subgroup Segment #2 PARTIAL
Estimator Nick Goodwin

Description	Quantity	Unit	Unit Rate	Total
Equipment Mobe/Demobe	s.21			

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Withheld pursuant to/removed as

s.21;s.17

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit
FLATIRON

TI CORP # D6.01A4
s.17,s.21

Port Mann Highway 1
Labour Pricing Sheet

TI CORP # D6.01A4
Title Additional Supervision, Segment 4
Subgroup Segment #4 PARTIAL
Estimator Nick Goodwin

Cost Item	Cost Group	Unit Rate	Accelerated Staff Mwks/Mhs	Unit	Accelerated Staff Cost
8112	Supervision	s.17,s.21			

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A4
Title Additional Supervision, Segment 4
Subgroup Segment #4 PARTIAL
Estimator Nick Goodwin

Equip #	Equipment Description	Date	Cost Code Description	Hrs	Unit Rate	Total
			Staff Vehicles	s.17,s.21		

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01A4
Title Additional Supervision, Segment 4
Subgroup Segment #4 PARTIAL
Estimator Nick Goodwin

Description	Quantity	Unit	Unit Rate	Total
Site Prep & Cleanup	s.17,s.21			
Building Setup/Dismantle				
Facility Setup/Dismantle				
Equipment Mobe/Demobe				
Security				
Project Access				
Staff Expenses				
Job Office Expense				
Craft Expenses				

Page 220 to/à Page 221

Withheld pursuant to/removed as

s.21;s.17

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D6.01B
Title Additional Supervision
Subgroup NA
Estimator Ed Yee
Date May 22, 2012

Pages	Cost Type	Total Dollars
140 - 145	D6.01B1 - HUB (Deferment Group)	s.17,s.21
146 - 150	D6.01B2 - Segment 2 (Cost Documentation)	
151 - 155	D6.01B3 - Segment 2 (Operations)	

Total

Summary of s.17 Item

Billing for additional supervision cost for the Deferment and Cost Documentation Teams. This is a partial billing from December 20, 2011 to May 26, 2012.

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP #	D6.01B1
Title	Additional Supervision
Subgroup	Deferment Team
Estimator	Ed Yee
Date	May 22, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	LOA	
3	Equipment	
4	Expenses	
5	STS	
	Total	

Summary of s.17 **Item**

s.17

s.17 This is a partial billing from December 20, 2011 to May 26, 2012.

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01B1
Title Additional Supervision - Labour
Subgroup Deferment Team
Estimator Ed Yee

Date	EMP Name	Rate	Craft Description	To-Date Cost	Previously Billed	Amt
	ASGARI, RAMIN		HUB - Additional Supervision - Deferment	s.21		
	CHAISSON, CHRIS		HUB - Additional Supervision - Deferment			
	CRAMB, JEROD		HUB - Additional Supervision - Deferment			
	DENGSOT, PATRICK		HUB - Additional Supervision - Deferment			
	FOWLDS, SCOTT		HUB - Additional Supervision - Deferment			
	O'NEIL, GLENN		HUB - Additional Supervision - Deferment			
	POTHOVEN, MATT		HUB - Additional Supervision - Deferment			
	RUDDERHAM, BRENT		HUB - Additional Supervision - Deferment			
	SERRAND, DOMENIC		HUB - Additional Supervision - Deferment			
				Total -		

Port Mann Highway 1
Live Out Allowance (LOA)

TI CORP # D6.01B1
Title Additional Supervision - LOA
Subgroup Deferment Team
Estimator Ed Yee

Description	To-Date Cost	Previously Billed	Total
HUB - Additional Supervision - Deferment (J. Cramb)	s.17,s.21		
	Total -		

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01B1
Title Additional Supervision
Subgroup HUB Indirect PARTIAL
Estimator Nick Goodwin

Description	Quantity	Unit	Unit Rate	Total
Job Office Expense STS	s.17,s.21			

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01B1
Title Additional Supervision - Equipment
Subgroup Deferment Team
Estimator Ed Yee

Equip #	Equipment Description	Date	Cost Code Description	To-Date Cost	Previously Billed	Total
				$ -	$ -	$ -
			Total -	$ -	$ -	$ -

Port Mann Highway 1
Expenses

TI CORP # D6.01B1
Title Additional Supervision - Expenses
Subgroup Deferment Team
Estimator Ed Yee

Material	Work Description	Quantity	Unit	Unit Rate	Total
HUB - Additional Supervision - Deferment		s.17,s.21			

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D6.01B2
Title Additional Supervision
Subgroup Cost Documentation
Estimator Ed Yee
Date May 22, 2012

Line	Cost Type	Total Dollars
1	Labour	s.17,s.21
2	LOA/STS	
3	Equipment	
4	Expenses	
5	STS	

Total

Summary of s.1 7 **Item**

Billing for all costs (partial this period) for additional supervision associated with cost documentation per CC-0128 .

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01B2
Title Additional Supervision - Labour
Subgroup Cost Documentation
Estimator Ed Yee

Date	EMP Name	Rate	Craft Description	To-Date Cost	Previously Billed	Amt
	BALOUCH, AMEER		S2 - Additional Supervision - Cost Documentation	s.17,s.21		
	BAQI, RATIB		S2 - Additional Supervision - Cost Documentation			
	BRUMMER, ZACH		S2 - Additional Supervision - Cost Documentation			
	BYRNE, JON		S2 - Additional Supervision - Cost Documentation			
	DARLING, DAVE		S2 - Additional Supervision - Cost Documentation			
	GEYER, ADAM		S2 - Additional Supervision - Cost Documentation			
	GOODWIN, NICK		S2 - Additional Supervision - Cost Documentation			
	GWIN, KARA		S2 - Additional Supervision - Cost Documentation			
	HARRIS, TIM		S2 - Additional Supervision - Cost Documentation			
	KALLAS, RANI		S2 - Additional Supervision - Cost Documentation			
	KIRKPATRICK, BRAD		S2 - Additional Supervision - Cost Documentation			
	LANTZ, BILL		S2 - Additional Supervision - Cost Documentation			
	LOUIE, TIMOTHY		S2 - Additional Supervision - Cost Documentation			
	MCKEEVER, RYAN		S2 - Additional Supervision - Cost Documentation			
	MORGAN, JEFF		S2 - Additional Supervision - Cost Documentation			
	POWELL, IAN		S2 - Additional Supervision - Cost Documentation			
	REEVES, HAROLD		S2 - Additional Supervision - Cost Documentation			
	SOHEILSAYER, SALOMEH		S2 - Additional Supervision - Cost Documentation			
	SZUTOO, RAYMOND		S2 - Additional Supervision - Cost Documentation			
	TAYLOR, SCOTT		S2 - Additional Supervision - Cost Documentation			
	VANG, KHOUA		S2 - Additional Supervision - Cost Documentation			
	YEE, ED		S2 - Additional Supervision - Cost Documentation			
				Total -		

Port Mann Highway 1
Live Out Allowance (LOA)

Kiewit FLATIRON

TI CORP # D6.01B2
Title Additional Supervision - LOA
Subgroup Cost Documentation
Estimator Ed Yee

Description	To-Date Cost	Previously Billed	Total
S2 - Additional Supervision - Cost Documentation	s.17,s.21		
Harold Reeves, Brad Kirkpatrick, Bill Lantz, Kara Gwin			
Total -			

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.0182
Title Additional Supervision - Equipment
Subgroup Cost Documentation
Estimator Ed Yee

Equip #	Equipment Description	Date	Cost Code Description	To-Date Cost	Previously Billed	Total
02-8098	BALOUCH, AMEER		S2 - Additional Supervision - Cost Documentation	s.17,s.21		
02-6535	GEYER, ADAM		S2 - Additional Supervision - Cost Documentation			
02-6769	LOUIE, TIM (SITE TRUCK)		S2 - Additional Supervision - Cost Documentation			
01-4295	REEVES, HAROLD		S2 - Additional Supervision - Cost Documentation			
02-8069	TAYLOR, SCOTT		S2 - Additional Supervision - Cost Documentation			
02-7274	LANTZ, BILL		S2 - Additional Supervision - Cost Documentation			
50497	ZEEMAC RENTAL		B. KIRKPATRICK RENTAL - MAY 2012 RENTAL			
50496	ZEEMAC RENTAL		T. LOUIE - MAY 2012 RENTAL			
50534	ZEEMAC RENTAL		B. LANTZ - MAY 2012 RENTAL			
50533	ZEEMAC RENTAL		J. BYRNE - MAY 2012 RENTAL			
50532	ZEEMAC RENTAL		S. TAYLOR - MAY 2012 RENTAL			
50527	ZEEMAC RENTAL		SITE TRUCK (REPLACED GMC 3500) - MAY 2012 RENTAL			
			Total -			

Port Mann Highway 1
Expenses

TI CORP # D6.01B2
Title Additional Supervision - Expenses
Subgroup Cost Documentation
Estimator Ed Yee

Material	Work Description	Quantity	Unit	Unit Rate	Total
S2 - Additional Supervision - Cost Documentation		s.17,s.21			

Port Mann Highway 1
s.17 Pricing Summary Sheet

Kiewit FLATIRON

TI CORP # D6.01B3
Title Additional Supervision
Subgroup Operations
Estimator Ed Yee
Date May 22, 2012

Line	Cost Type	Total Dollars
1	Labour	s.21
2	LOA/STS	
3	Equipment	
4	Expenses	
5	STS	

Total

Summary of s.17 **Item**

s.17

Port Mann Highway 1
Labour Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01B3
Title Additional Supervision - Labour
Subgroup Operations
Estimator Ed Yee

Date	EMP Name	Rate	Craft Description	To-Date Cost	Previously Billed	Amt
	BROBERG, ERIC		S2 - Additional Supervision - Operations	s.21		
	CANTIN, GILBERT		S2 - Additional Supervision - Operations			
	EVANS, BRUCE		S2 - Additional Supervision - Operations			
	FLORES, ERNESTO		S2 - Additional Supervision - Operations			
	FULLER, GIANNA		S2 - Additional Supervision - Operations			
	KINRADE, BRYAN		S2 - Additional Supervision - Operations			
	RAZSUKANOV, DIMITAR		S2 - Additional Supervision - Operations			
	SAWINSKI, CELESTE		S2 - Additional Supervision - Operations			
	TONKIN, NICK		S2 - Additional Supervision - Operations			
			Total -			

Port Mann Highway 1
Live Out Allowance (LOA)

Kiewit FLATIRON

TI CORP # D6.01B3
Title Additional Supervision - LOA
Subgroup Operations
Estimator Ed Yee

Description	To-Date Cost	Previously Billed	Total
S2 - Additional Supervision - Operations	s.17,s.21		
Total			

Port Mann Highway 1
Equipment Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.01B3
Title Additional Supervision - Equipment
Subgroup Operations
Estimator Ed Yee

Equip #	Equipment Description	Date	Cost Code Description	To-Date Cost	Previously Billed	Total
02-8631	BROBERG, ERIC	[redacted]	S2 - Additional Supervision - Operations	s.17,s.21		
02-6939	EVANS, BRUCE	[redacted]	S2 - Additional Supervision - Operations			
			Total -			

Port Mann Highway 1
Expenses

TI CORP # D6.01B3
Title Additional Supervision - Expenses
Subgroup Operations
Estimator Ed Yee

Material	Work Description	To-Date Cost	Previously Billed	Total
S2 - Additional Supervision - Operations		$ -	$ -	$ -
		$ -	$ -	$ -

Port Mann Highway 1
s.17 **Pricing Summary Sheet**

Kiewit FLATIRON

TI CORP # D6.02
Title Additional Office Space
Subgroup NA
Estimator Ed Yee
Date May 22, 2012

Line	Cost Type	Total Dollars
1	Labour	s.17,s.21
2	Small Tools and Supplies	
3	Equipment	
4	Materials	
5	Subcontractors	

Total

Summary of s.17 **Item**

Billing for additional office rental and supplies.

Port Mann Highway 1
Small Tools and Services Pricing Sheet

Kiewit FLATIRON

TI CORP # D6.02
Title Additional Office Space
Subgroup NA
Estimator Ed Yee

Description	To-Date Cost	Previously Billed	Total
OFFICE RENTAL	s.17,s.21		
OFFICE EXPENSES			
YARD STORAGE (ALREADY BILLED FOR MAY ON PD 43)			
Total -			

D6.02 - ADDITIONAL OFFICE SPACE
OFFICE SET-UP

W/E Date	Journal	Line	Invoice Number	Invoice Amount	Invoice Date	Vendor Name	Agreement Type	Description	Cost Code	Expense Code	Amount	Progress Draw
05-26-2012	8656	92	RI023247	s.17,s.21	05-04-2012	NORTHERN TRAILER LTD	RA	DS-ON SITE MOVE	7986.01	50	s.17,s.21	44
05-26-2012	8656	35	H863227		03-31-2012	CDW CANADA INC	PO	LC- CISCO UNIFIED IP PHONE 7942, CISCO SMARTNET c 17 EXTE	7986.01	50		44
05-26-2012	8656	36	H240009		03-16-2012	CDW CANADA INC	PO	LC- BC ANG PHONE ANS MACH RECYCLING FEE	7986.01	50		44
05-26-2012	8656	36	H240009		03-16-2012	CDW CANADA INC	PO	LC- CISCO UNIFIED IP PHONE 7942	7986.01	50		44
05-26-2012	8656	43	J126912		04-06-2012	CDW CANADA INC	PO	LC- CISCO UNIFIED IP PHONE 7942, CISCO SMARTNET c 17 EXTE	7986.01	50		44
05-26-2012	8656	44	H482659		03-22-2012	CDW CANADA INC	PO	LC- CISCO UNIFIED IP PHONE 7942, CISCO SMARTNET c 17 EXTE	7986.01	50		44
05-26-2012	8656	45	H420220		03-21-2012	CDW CANADA INC	PO	LC- CISCO UNIFIED IP PHONE 7942, LC-CISCO SMARTNET PREMIUM	7986.01	50		44
06-09-2012	8701	37	300310		05-04-2012	SOURCE OFFICE FURNISHINGS	PO	C2-30" D x 66" Desk Shell - Mahogany, 24" x 42" Return - Mah	7986.01	50		44
06-09-2012	8709	99	12345983		04-19-2012	PRIORITY 1 MOVING LTD.	NONE	LC- OFFICE MOVE - ATC TRAILER #2	7986.01	50		44

TOTAL -

s.17,s.21

D6.02 - ADDITIONAL OFFICE SPACE
OFFICE SET-UP

WE Date	Journal	Line	Invoice Number	Invoice Amount	Invoice Date	Vendor Name	Agreement Type	Description	Cost Code	Expense Code	Amount	Progress Draw
01-21-2012	8229	10	123659	s.17,s.21	12-21-2011	PHOENIX TRUCK & CRANE LTD	NONE	DS-320356G	7986.02	50	s.17,s.21	44
05-12-2012	8610	11	2003939		04-09-2012	YYOUNG WATER LTD	PCRD	bt 18.9L water	7986.02	50		44
05-12-2012	8610	11	2003939		04-09-2012	YYOUNG WATER LTD	PCRD	Deposit in/out	7986.02	50		44
05-26-2012	8650	93	RI023273		05-08-2012	NORTHERN TRAILER LTD	RA	DS-10X20 LAVATORY 05/05-05/31-2012	7986.02	50		44
05-26-2012	8656	17	299519		04-25-2012	SOURCE OFFICE FURNISHINGS	PO	CZ-30" D x 65" Desk Shell - Mahogany, 24" x 42" Return - Mah	7986.02	50		44
05-26-2012	8660	11	BLLI081163		04-20-2012	WEQ BRITCO LP	RA	DS-24X60 OFFICE 04/20-04/30-2012	7986.02	50		44
05-26-2012	8660	12	BLLI081164		05-01-2012	WEQ BRITCO LP	RA	DS-24X60 OFFICE MAY 2012	7986.02	50		44
05-26-2012	8660	84	63878		04-30-2012	CORPORATE CLEANING SERVICES LTD	IWO	AS - APR29 JANITORIAL SERVICE	7986.02	50		44
06-02-2012	8693	52	A1-046-74824		04-25-2012	FEDERAL EXPRESS CANADA LTD.	NONE	CZ-COURIER 120412-120420	7986.02	50		44
06-09-2012	8698	87	29936124		03-21-2012	STAPLES ADVANTAGE	PCRD	LC- Scissors, Titanium, 7", Straight, LC-SCISSORS',ECONOMY,	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- BATTERY,PROCELLALKALINE,AA	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- BATTERY,PROCELLALKALINE,AAA	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- CASE,JEWEL,SLIM	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- CDR,48X,80MINUTES,700MB	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- DVD-R,4.7GB,16X	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- FACIALTISSUE,125SHEETS	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- Maxell® 4 GB 360° Flash Drive, Black	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- MEMORY CARD	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- PAPER,20LB,11X17,92BR,WHITE	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- PAPER,20LB,8.5X11,92BR,WHITE	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- RECEPTACLE,HUSKEE,20GAL,GREY	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- STAPLEREMOVER,CLAWSTYLE	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- Staples® RelayMulti-Card USB 2.0 17-in-1 Reader, Black	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- TAPE,DOUBLESIDED	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- TAPE,DOUBLESTICK,1/2"X25"	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- WASTEBASKET RECEPTACLE,12"H,BK	7986.02	50		44
06-09-2012	8698	93	29910826		04-02-2012	STAPLES ADVANTAGE	PCRD	LC- WASTERECEPTACLE,METAL,,80L,WE	7986.02	50		44
05-09-2012	8704	5	70335		05-08-2012	BEST BUY CANADA	NONE	CZ-ATC NETWORK CABLES AND POWERBAR	7986.02	50		44
06-09-2012	8704	6	47157		05-09-2012	CANADIAN TIRE	NONE	CZ-BEACONS FOR RENTAL TRUCKS TO GO ONSITE	7986.02	50		44
06-09-2012	8704	10	29659117		03-27-2012	STAPLES ADVANTAGE	PCRD	LC- Wall nameplates	7986.02	50		44
06-09-2012	8704	11	29588099		03-29-2012	STAPLES ADVANTAGE	PCRD	LC- Wall nameplates	7986.02	50		44
06-09-2012	8704	12	29696734		03-29-2012	STAPLES ADVANTAGE	PCRD	NB - PAPER,20LB,8.5X11,92BR,WHITE, PAPER,20LB,11X17,92BR,WHI	7986.02	50		44
06-09-2012	8704	13	29634468		03-21-2012	STAPLES ADVANTAGE	PCRD	NB - PAPER,20LB,8.5X11,92BR,WHITE, PAPER,20LB,11X17,92BR,WHI	7986.02	50		44
06-09-2012	8704	14	29945618		04-05-2012	STAPLES ADVANTAGE	PCRD	LC- BOARD,DRYERASE,24X36,ALUMINUM, LC-BOARD,DRYERASE,36X48,	7986.02	50		44
06-09-2012	8709	85	30134918		05-03-2012	STAPLES ADVANTAGE	PO	LC- WASTEBASKET,RECEPTACLE,12"H,BK	7986.02	50		44
06-09-2012	8710	85	2004042		04-16-2012	YYOUNG WATER LTD	PCRD	bt ATC trailer 18.9L WATER	7986.02	50		44
06-09-2012	8710	86	2004222		04-30-2012	YYOUNG WATER LTD	PCRD	bt S. Trailer *WATER, 18.9L	7986.02	50		44

TOTAL

s.17,s.21

Page 244 to/à Page 245

Withheld pursuant to/removed as

s.21;s.17

Page 246 to/à Page 257

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Deloitte.

Transportation Investment Corporation

s.17

August 10, 2012
Private and Confidential



Port Mann Highway 1 Project

s.17

September 5, 2012

Kiewit FLATIRON general partnership

For discussion purposes only
on September 5, 2012

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Page 260

Withheld pursuant to/removed as

s.13

Page 261 to/à Page 264

Withheld pursuant to/removed as

s.13;s.17

Page 265 to/à Page 267

Withheld pursuant to/removed as

s.13

Page 268

Withheld pursuant to/removed as

s.13;s.17

Page 269 to/à Page 286

Withheld pursuant to/removed as

s.13

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-09-16 at 11:48 AM
Received:	2012-09-16 at 11:48 AM
Subject:	Re: s.17

Thomas,

Thanks for the prompt reply and I will be reviewing next week.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 08:52 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17
Â

My response to question #2 below, same qualifications as previous email.

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From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

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s.17

Page 288

Withheld pursuant to/removed as

s.17

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s.17

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All for now.

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Regards,

Rodney Chapman

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Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a

retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
be incorrect or incomplete or should the law or its interpretation change, our advice may be
inappropriate. We are not responsible for updating our advice for changes in law or interpretation after the date hereof. The advice or other information provided herein is
confidential and may be privileged and is for the sole use of KPMGâs client. The advice is based
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terms of engagement as the case may be and is not intended to be relied upon by any other person.
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the client may place on this advice. If you are not the intended recipient, any disclosure,
copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.
****

E-mail Message

From: Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To: Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:
Sent: 2012-09-16 at 11:49 AM
Received: 2012-09-16 at 11:49 AM
Subject: Fw: s.17

Pat,

Please print all off.

Txs,

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 09:20 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17
Â

Hello Rodney:Â response to question #3, same qualifications.Â TK

Â

Â

Â

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

Â

s.17

Page 292

Withheld pursuant to/removed as

s.17

s.17

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All for now.

Â

Regards,

Rodney Chapman

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Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
be incorrect or incomplete or should the law or its interpretation change, our advice may be
inappropriate. We are not responsible for updating our advice for changes in law or interpretation after the date hereof. The advice or other information provided herein is
confidential and may be privileged and is for the sole use of KPMGâs client. The advice is based

on the specific facts and circumstances and the scope of KPMGâs engagement and associated
terms of engagement as the case may be and is not intended to be relied upon by any other person.
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the client may place on this advice. If you are not the intended recipient, any disclosure,
copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.
****

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-09-16 at 11:51 AM
Received:	2012-09-16 at 11:51 AM
Subject:	Fw s.17
Attachments:	LTR-CNG-KF-120130-AR1 CC-0128.pdf gravel letters from KFGP x 3.pdf Schedule 11 Changes (execution clean).pdf

Pat,

Please print all off.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 09:43 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Hello Rodney: response to question #4, same qualifications. TK

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 296 to/à Page 297

Withheld pursuant to/removed as

s.17

Regards,

Rodney Chapman

****
Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
be incorrect or incomplete or should the law or its interpretation change, our advice may be
inappropriate. We are not responsible for updating our advice for changes in law or interpretation after the date hereof. The advice or other information provided herein is
confidential and may be privileged and is for the sole use of KPMG's client. The advice is based
on the specific facts and circumstances and the scope of KPMG's engagement and associated
terms of engagement as the case may be and is not intended to be relied upon by any other person.
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BRITISH COLUMBIA

Port Mann / Highway 1 Project

Transportation Investment Corporation

December 8, 2011

File#: ORCS-91130-30/309A
LTR-CNG-KF-111208-AR1
Previous References: N/A

Kiewit / Flatiron General Partnership
1410-1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Mr. W.H. (Bill) Murphy,

Re: Authority Change – CC0-0129A s.17 **Measures**

Pursuant to our recent discussions and our letter of December 1, 2011 regarding Authority Change CC0-0129A, below is a table of agreed changes with upset values for work in Segment 2 s.17 s.17 This letter constitutes approval to proceed on an immediate basis.

Item No.	*Acceleration Scope*	*Upset Authorized Cost*
1	Stage III Demolition (CPR Bridge) – Subcontractor s.17	s.17,s.21
2	C25 (Water Main CoC) – Subcontractor s.17	
3	Additional Winter Dewatering/Treatment	
4	Staff Cost Estimating (Backup required upon completion of change)	
5	Winter Gravel	

need follow up.

* With regards to the winter gravel, TI Corp agrees with the principle, however requires additional information as to the net increase in cost in order to finalize.

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FLATIRON
general partnership

June 6, 2012

File: KF-TIC-LTR-2012.0797.0

Ref: (1) LTR-CNG-KF-120601-AR2

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: CC-0132B Gravel s.17 to Total Completion, Winter Gravels in CC-0129 s.17 Measures

K/F writes in response to TI Corp's letter of June 1, 2012 (Ref: 1).

TI Corp's inference that K/F has no further need for the Winter Gravel within CC-0129 is incorrect. K/F intends to utilize all of the Winter Gravel quantity in CC-0129. The Change Report for CC-0132 states that a credit has been included within CC-0132 against the Winter Gravels payment under CC-0129. That credit is condition precedent upon K/F billing for and getting paid for the full Winter Gravel quantity and authorized cost set out in CC-0129.

K/F has requested a meeting with Thomas Krikke to address TI Corp's questions regarding gravel and waste quantities.

K/F is looking forward to meeting with TI Corp to finalize Authority Change CC-0132.

Sincerely,

Kiewit/Flatiron General Partnership

W.H. (Bill) Murphy
Project Director

Kiewit FLATIRON general partnership

June 18, 2012

File: KF-TIC-LTR-2012.0805.0

Ref: (1) LTR-CNG-KF-120601-AR1

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: Remaining Estimated Aggregate and Waste Considerations

K/F writes in response to TI Corp's letter of June 1, 2012 (Ref: 1).

K/F and TI Corp reviewed this letter at our Gravels Meeting on June 12. The quantities used in the TI Corp letter appear to be out of date. Current quantities, and K/F's intended disposition for them, are listed below.

Strong Pit	Aggregate Export (estimate)	K/F's planned disposition
Area C - cell	s.13,s.17	K/F plans on using the remaining quantity
Area C - road		K/F is not planning on using the remaining quantity. K/F has produced all of the crushed aggregate base from Strong Pit that it plans to use on the project. Other crushed aggregate base needed is either of a higher quality, or can be purchased more cheaply that sourcing additional quantity from Strong Pit.
Area E - remaining		K/F is not planning on using this remaining quantity. All of the remaining quantity lies underneath clay. It is cheaper for the project to purchase aggregates than it is to remove the overburden and access this material.

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TI Corp offers to arrange possible procurement of aggregates from other MOTI sources, such as Haney. In response, K/F points out that this approach has been continually investigated by the joint TI Corp and K/F gravel team at their regular meetings. Haney Pit has been looked at several times, but was specifically ruled out as an alternate source by TI Corp. Authority Change requests CC-0060A, CC-0077A, and CC-0078A all state "Access to Haney and Brown Pit is unavailable".

The statement in TI Corp's letter that there is s.17,s.21 of capacity for waste at Strong Pit is incorrect. Strong Pit is currently permitted for s.17,s.21 K/F and TI Corp personnel are working together to see if this quantity can be increased. K/F intends to use all of the currently permitted capacity for waste at Strong Pit.

K/F is committed to minimizing the costs to the project for aggregates, including those priced in Authority Change CC-0132. Please let us know if you need further information on this matter.

Sincerely,

Kiewit/Flatiron General Partnership

For W.H. (Bill) Murphy
Project Director

Kiewit
FLATIRON
general partnership

June 6, 2012

File: KF-TIC-LTR-2012.0797.0

Ref: (1) LTR-CNG-KF-120601-AR2

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: CC-0132B Gravel s.17 **to Total Completion, Winter Gravels in CC-0129**
s.17 **Measures**

K/F writes in response to TI Corp's letter of June 1, 2012 (Ref: 1).

TI Corp's inference that K/F has no further need for the Winter Gravel within CC-0129 is incorrect. K/F intends to utilize all of the Winter Gravel quantity in CC-0129. The Change Report for CC-0132 states that a credit has been included within CC-0132 against the Winter Gravels payment under CC-0129. That credit is condition precedent upon K/F billing for and getting paid for the full Winter Gravel quantity and authorized cost set out in CC-0129.

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K/F is looking forward to meeting with TI Corp to finalize Authority Change CC-0132.

Sincerely,

Kiewit/Flatiron General Partnership

W.H. (Bill) Murphy
Project Director

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PART 1
MINOR WORKS

1.1 Procedure for Minor Works

The procedure set out in this Part 1 of this Schedule shall apply to any Minor Works initiated by either the Authority or the Constructor pursuant to Section 7.3 [Minor Works]. No Change Report or Change Certificate shall be required for any such Minor Works, and neither the Review Procedure nor the Consent Procedure shall apply to the consideration of any such Minor Works.

1.2 Minor Works Initiated by Authority

(a) Upon receipt by the Constructor of a request by the Authority for Minor Works pursuant to Section 7.3(a), then subject only to the Constructor, within 10 Business Days of the receipt of such request, delivering a notice to the Authority's Representative objecting to such Minor Works:

(i) pursuant to Section 4.2 [Constructor Refusal to Proceed] of this Schedule; or

(ii) alleging that such Minor Works fail to meet the applicable requirements set out in Section 7.3(a),

(and with any such objection to then be resolved in accordance with the Dispute Resolution Procedure), the Constructor shall proceed to perform the Minor Works to completion as soon as reasonably practicable.

(b) If, in the opinion of the Authority, the Authority is or would be likely to be required by Laws, policies or guidelines to competitively tender or seek competitive bids or proposals in respect of any contract in connection with or relating to the Minor Works, the Authority's Representative may, in the notice delivered under Section 7.3(a), require the Constructor to seek and evaluate competitive tenders for the Minor Works in accordance with Section 4.4 [Requirement to Obtain Competitive Tenders] of this Schedule.

(c) The Authority shall, subject to Section 4.3 [Constructor Delay in Responding] of this Schedule, at its discretion, as the sole compensation to which the Constructor is entitled in respect of such Minor Works:

(i) pay to the Constructor in advance of the performance of any Minor Works pursuant to Section 1.2(a) of this Schedule the amount, if any, of the Minor Works Valuation for such Minor Works as set out in the request delivered by the Authority's Representative pursuant to Section 7.3(a);

(ii) if competitive tenders are obtained pursuant to Section 4.4 [Requirement to Obtain Competitive Tenders] of this Schedule for any Minor Works performed pursuant to Section 1.2(a) of this Schedule, pay to the Constructor for any Minor Works the amount of the lowest compliant tender received pursuant to Section 4.4(a) of this Schedule, such amount to be payable by the Authority within 30 days of the receipt by the Authority's Representative of an invoice from the Constructor in respect thereof; or

(iii) pay the Constructor for any Minor Works performed pursuant to Section 1.2(a) of this Schedule within 30 days of the receipt by the Authority's Representative of a monthly invoice from the Constructor, calculated on the following basis:

(A) labour and Construction Plant shall be charged in accordance with rates which are agreed upon by the parties prior to the commencement of such Minor Works; and

(B) charges for Plant shall be at the cost of such Plant to the Constructor (or any of its Subcontractors), net of all discounts, plus a Mark-up of 15%.

1.3 Minor Works Initiated by Constructor

Upon receipt by the Authority's Representative of a Constructor Proposal to carry out Minor Works pursuant to Section 7.3(b), then, unless the Authority's Representative, within 10 Business Days of the receipt of such Constructor Proposal, delivers a notice to the Constructor objecting to the proposed Minor Works on any of the following grounds:

(a) the proposed Minor Works fail to meet the requirement set out in Section 7.3(b);

(b) if such Minor Works had been initiated by the Authority, the Constructor would have been able to refuse to implement such Minor Works on any of the grounds set out in Section 4.2(a) of this Schedule;

(c) such Minor Works would result in a material departure from, material failure to comply with or material variation to any of the DB Requirements;

(d) following such Minor Works the Project Infrastructure would not be of a quality or standard of performance or value (to the Authority) equal to or better than that required under the DB Requirements prior to such Minor Works, or the residual value of the Project Infrastructure would be negatively affected;

(e) the conduct of the DB Work in accordance with the proposed Minor Works would be less likely to achieve compliance with the DB Requirements or would be likely to provide for compliance to a lower standard or quality than the conduct of the DB Work in accordance with the DB Requirements prior to such Minor Works;

(f) such Minor Works would interfere with the relationship of the Authority with third parties;

(g) such Minor Works would otherwise materially affect the risks or costs to which the Authority is exposed in respect of the Project; or

(h) such Minor Works would require any amendment to any Design Data in respect of the Construction or any other Construction Activities during the DB Term, thereby requiring the submission of such amendment of Design Data to the Design and Certification Procedure,

the Constructor may proceed to perform the Minor Works at the Constructor's sole risk and expense.

1.4 Consequential Amendments

The parties shall use their reasonable efforts to reach agreement as to the amendments to the DB Requirements, and any other consequential non-material amendments to this Agreement, necessary as a consequence of any Minor Works carried out in accordance with this Part. If the parties are unable to reach agreement within 10 Business Days, then either party may refer the matter for resolution under the Dispute Resolution Procedure.

PART 2
AUTHORITY CHANGES

2.1 Notice of Authority Change

The Authority may, subject to the Authority's ability to initiate an Authority Change as a Minor Works under Section 7.3 [Minor Works], issue to the Constructor a request for an Authority Change under Section 7.1 [Authority Changes] setting out the nature, extent and timing of the relevant Authority Change with sufficient detail and information to permit the Constructor to prepare and deliver to the Authority's Representative a Change Report, and including whether:

(a) in the opinion of the Authority, the Authority is or would be likely to be required by Laws, policies or guidelines to competitively tender or seek competitive bids or proposals in respect of any contract in connection with or relating to the Authority Change such that the Constructor shall be required to seek and evaluate competitive tenders for the Authority Change under Section 4.4 [Requirement to Obtain Competitive Tenders] of this Schedule; and

(b) the Authority requires the Constructor to provide a preliminary estimate of the impacts of the Authority Change in accordance with Section 2.2 [Preliminary Estimate of Impacts of Authority Change] of this Schedule.

(c) [Intentionally Deleted]

(d) [Intentionally Deleted]

2.2 Preliminary Estimate of Impacts of Authority Change

When required by the Authority for any Authority Change pursuant to Section 2.1(b) of this Schedule, but subject to Section 4.2 [Constructor Refusal to Proceed] of this Schedule, within 10 Business Days (or such later date as the Authority's Representative may specify acting reasonably in the circumstances) of:

(a) the receipt by the Constructor of a request for an Authority Change under Section 2.1 [Notice of Authority Change] of this Schedule; or

(b) a determination pursuant to the Dispute Resolution Procedure in favour of the Authority in respect of a dispute pursuant to Section 4.2(b) of this Schedule,

the Constructor shall, at its sole cost and expense, deliver to the Authority's Representative a written preliminary estimate of the impacts of such Authority Change determined in accordance with this Schedule. Within 10 Business Days of the delivery of such a preliminary estimate, the Authority's Representative shall notify the Constructor in writing whether or not the Authority desires to proceed with such Authority Change.

2.3 Preparation of Change Report

Subject to Section 4.2 [Constructor Refusal to Proceed] of this Schedule:

(a) in circumstances where Section 2.2 [Preliminary Estimate of Impacts of Authority Change] of this Schedule applies, within 35 Business Days of receipt of notification from the Authority's Representative pursuant thereto that the Authority desires to proceed with an Authority Change; or

(b) in all other circumstances, within 45 Business Days of either:

(i) the receipt of a request for an Authority Change under Section 2.1 [Notice of Authority Change] of this Schedule; or

(ii) a determination pursuant to the Dispute Resolution Procedure in favour of the Authority in respect of a dispute pursuant to Section 4.2(b) of this Schedule,

the Constructor shall consider how to accommodate a proposed Authority Change in a cost effective manner so as to minimize the cost of such Authority Change, the Project Schedule and the Project, and otherwise on the performance of the DB Work, and shall prepare and submit to the Authority's Representative pursuant to the Consent Procedure (subject to the specific time periods set out in Section 2.7 [Agreement or Disagreement Regarding Change Report] of this Schedule) a written report (a "**Change Report**") identifying all aspects of the Authority Change as they relate to the Project, the DB Work and this Agreement including, without limitation:

(c) an estimate in accordance with Section 2.4 [Valuation of Change in Costs] of this Schedule of the Change in Costs arising from the implementation of the Authority Change, and providing with such estimate:

(i) all necessary supporting calculations and information including particulars of additional sums to be paid to Subcontractors and professional advisers as reasonably requested and necessary for the Authority to be able to understand and evaluate the estimate; and

(ii) any time periods after which such estimated prices or parts thereof shall no longer be valid, which periods shall be of sufficient length to allow the Authority a reasonable time to consider the Change Report and arrive at an initial evaluation;

(d) any resulting adjustment to the Maximum Payment Curve which the Constructor proposes is required to be made pursuant to Section 2.6(b) of this Schedule to reflect the Change in Costs estimated by the Constructor under Section 2.3(c) of this Schedule, together with all supporting information;

(e) [Intentionally Deleted]

(f) [Intentionally Deleted]

(g) any impact on any other amounts payable by either party to the other as a result of the implementation of the Authority Change;

(h) any adjustments required to any of the dates set out in the Project Schedule due to the effect of carrying out such Authority Change on any milestone dates set out in the Project Schedule, including any adjustment to the FHC Substantial Completion Target Date, the Tolling Commencement Target Date, the Substantial Completion Target Date, the Total Completion Target Date and the Existing Port Mann Bridge Demolition Target Date which the Constructor shall require as a result of the implementation of the Authority Change (including details of any corresponding adjustments required by any Subcontractors);

(i) any changes to the Design Data in respect of the Construction or any other Construction Activities during the DB Term required to be submitted to the Design and Certification Procedure in order to implement such Authority Change;

(j) any other amendments required to this Agreement, the DB Requirements or any Project Document as a result of such Authority Change;

(k) the Constructor's requirements for any other assistance and resources from the Authority or any other requirements of the Authority reasonably required to implement the Authority Change;

(l) any required additional Permits or amendments to existing Permits;

(m) any additional Land Rights necessary for the purpose of implementing the Authority Change;

(n) the extent to which the Authority Change would interfere with the Constructor's ability to comply with any of its obligations under this Agreement, any Project Document or any Permits;

(o) the identity of any Subcontractors which the Constructor intends to engage for the purposes of implementing the Authority Change; and

(p) any further effects (including benefits and impairments) which the Constructor foresees as being likely to result from the Authority Change.

2.4 Valuation of Change in Costs

The Constructor shall estimate, and provide to the Authority's Representative in the Change Report pursuant to Section 2.3(c) of this Schedule, the net amount of all additional costs (including direct and indirect costs, and capital expenditure costs) which the Constructor reasonably expects to incur in order to implement an Authority Change and any cost savings which the Constructor can realize from the implementation of such Authority Change (such net amount, which may be positive or negative, the "**Change in Costs**") and shall, subject to Section 4.4 [Requirement to Obtain Competitive Tenders] of this Schedule, incorporate in such estimate all such information, including quantities, as the Authority's Representative may reasonably require to enable it to properly evaluate such estimate, including a detailed summary of the prices, costs, charges and Mark-ups used to calculate such estimate, and sufficient additional information (including a statement of the Constructor confirming such matters) to demonstrate to the satisfaction of the Authority's Representative that:

(a) the Constructor has used all reasonable efforts, including the use of competitive quotations or tenders, to oblige its Subcontractors to minimize any increase in costs and to maximize any reduction in costs;

(b) all costs of the Constructor, and its Subcontractors are limited to actual amounts to the extent such amounts relate specifically to the Authority Change and would not otherwise have been incurred and are:

(i) paid or to be paid or invoiced to the Constructor or its Subcontractors; or

(ii) paid by the Constructor or its Subcontractors,

all without addition of any Mark-ups except as otherwise expressly provided for in this Section;

(c) [Intentionally Deleted]

(d) the amount of the Mark-up for profit and overhead included on amounts charged directly by the Constructor included in the calculation of such estimated costs does not exceed 15% of the Change in Costs, and no other Mark-ups (except for any Mark-up referred to in Section 2.4(f) of this Schedule) are included;

(e) the estimate includes an estimate, without any Mark-up, of all additional amounts that would be payable by the Constructor to the Authority under Schedule 10 [Performance Mechanism] as a result of the implementation of the Authority Change;

(f) to the extent that the Authority Change would directly result in a material adverse change to the Constructor in the overall risk allocation under this Agreement as at the date of the delivery of the notice of the Authority Change to the Constructor, taking into account any other factors mitigating the effect of the Authority Change on the overall risk allocation (including any changes in this Agreement or the DB Requirements arising out of the Authority Change), the amount of any Mark-ups included in the calculation of such estimated costs (in excess of the Mark-up for profit and overhead referred to in Section 2.4(d) of this Schedule) fairly and appropriately reflects such change in overall risk allocation;

(g) all costs included in such estimate reflect:

(i) labour rates applying in the open market to providers of services similar to those required in connection with the implementation of the Authority Change;

(ii) any and all changes in this Agreement or the DB Requirements arising out of the Authority Change; and

(iii) any and all changes in risk allocation (including any Mark-up referred to in Section 2.4(f) of this Schedule);

(h) any costs of preparing the Change Report included in such estimate are recoverable by the Constructor pursuant to Section 2.10 [Costs of Preparing Change Report] of this Schedule;

(i) the estimated costs will provide good overall value to the Authority and take into account any reasonably foreseeable changes in Laws; and

(j) the Constructor has obtained or will obtain the best value for money when procuring any work, services, supplies, materials or equipment required in connection with the

implementation of the proposed Authority Change and has complied or will comply with Good Industry Practice in relation to any such procurement, to a standard no less than the Constructor would apply if all costs incurred were to its own account without recourse to the Authority.

2.5 [Intentionally Deleted]

2.6 Consequences of Authority Changes

(a) If it has been agreed or determined in accordance with this Part that, as a result of an Authority Change, either party is required to make a payment to the other, such payment shall be made in the amount and in accordance with the payment schedule as agreed or determined in accordance with this Part.

(b) If it has been agreed or determined in accordance with this Part that an Authority Change results in an adjustment to the Maximum Payment Curve, the resulting adjustment shall be made to the Maximum Payment Curve as set out in Schedule 33 [Maximum Payment Curve].

2.7 Agreement or Disagreement Regarding Change Report

(a) Following receipt by the Authority's Representative of a Change Report prepared in accordance with Section 2.3 [Preparation of Change Report] of this Schedule in respect of a proposed Authority Change, the parties shall use reasonable efforts to reach agreement on the matters described in Section 2.6 [Consequences of Authority Change] of this Schedule and all other information contained in the Change Report, and any agreement so reached in writing shall, if recorded in a Change Certificate issued in accordance with Section 2.8 [Change Certificate] of this Schedule, be binding upon the Authority and the Constructor with respect to the Authority Change in accordance with Section 2.9 [Effect of Change Certificate] of this Schedule.

(b) If the parties are unable to agree on the resolution of all matters referred to in the Change Report within 15 Business Days of its receipt by the Authority's Representative, the Authority's Representative:

(i) may elect not to proceed with the relevant Authority Change by notice to the Constructor; or

(ii) otherwise shall issue to the Constructor a Change Certificate stating the determination of the Authority's Representative of the matters referred to in the Change Report.

(c) If the Constructor disagrees with all or any of the determinations set out in a Change Certificate issued by the Authority's Representative pursuant to Section 2.7(b)(ii) of this Schedule, then the Constructor may deliver to the Authority's Representative within 15 Business Days of the issuance of such Change Certificate notice that it disputes such determinations, failing which such Change Certificate shall be deemed to have been accepted by the Constructor. The parties shall cooperate to have such dispute resolved in a timely manner pursuant to the Dispute Resolution Procedure. Pending the resolution of any such dispute, the Constructor shall proceed with the implementation of the Authority Change as directed by the Authority's Representative in the Change Certificate and in accordance with Section 2.9 [Effect of Change Certificate] of this Schedule, provided that

any amounts reasonably expensed, and any delay reasonably established, by the Constructor in proceeding to implement such Authority Change pending resolution pursuant to the Dispute Resolution Procedure shall be dealt with as part of such Authority Change.

2.8 Change Certificate

An Authority Change shall be authorized by the Authority's Representative issuing to the Constructor a certificate (the "**Change Certificate**") which shall set out:

(a) the extent to which such Authority Change applies to vary any of the DB Work, the DB Requirements, this Agreement or the other Project Documents;

(b) any payment to be made in accordance with Section 2.6(a) of this Schedule and the schedule for the making of such payment;

(c) any adjustment to be made to the Maximum Payment Curve in accordance with Section 2.6(b) of this Schedule; and

(d) the resolution of any other matters contained in the Change Report.

2.9 Effect of Change Certificate

(a) A Change Certificate shall have the effect of varying the DB Work, the DB Requirements and/or this Agreement to the extent provided therein with effect from the date of issuance of the Change Certificate or as otherwise provided in the Change Certificate (or, if later, the date on which the Authority procures written confirmation from the Province in favour of the Constructor that the Province consents, for the purposes of the Provincial Payment Guarantee and Support Agreement, to any amendments to the Guaranteed Agreements (as defined therein) agreed by the Authority and the Constructor pursuant to this Schedule in relation to the Authority Change), subject only to the contrary resolution of a dispute initiated by the Constructor pursuant to Section 2.7(c) of this Schedule.

(b) Unless otherwise agreed, or unless directed otherwise by an interim notice to proceed received from the Authority's Representative, the Constructor shall not proceed with the performance of any Authority Change prior to the issuance of a Change Certificate or as otherwise provided in the Change Certificate. With effect from the date of issuance of a Change Certificate or as otherwise provided in the Change Certificate (or, if later, the date on which the Authority procures written confirmation from the Province in favour of the Constructor that the Province consents, for the purposes of the Provincial Payment Guarantee and Support Agreement, to any amendments to the Guaranteed Agreements (as defined therein) agreed by the Authority and the Constructor pursuant to this Schedule in relation to the Authority Change) or such an interim notice to proceed, or upon making such other agreement, the Constructor shall implement the Authority Change as directed in the Change Certificate or interim notice to proceed, or as otherwise agreed, and shall, subject to the resolution of any dispute initiated by the Constructor in accordance with Section 2.7(c) of this Schedule in respect of such Change Certificate, be bound by this Agreement in so doing as if the Authority Change formed part of the DB Requirements.

(c) Subject only to a dispute initiated by the Constructor in accordance with Section 2.7(c) of this Schedule, once issued (or, if later, the date on which the Authority procures written

confirmation from the Province in favour of the Constructor that the Province consents, for the purposes of the Provincial Payment Guarantee and Support Agreement, to any amendments to the Guaranteed Agreements (as defined therein) agreed by the Authority and the Constructor pursuant to this Schedule in relation to the Authority Change) a Change Certificate shall be binding upon the Authority and the Constructor with respect to the Authority Change and may not be reopened by either party, and the relief and/or compensation, if any, to which the Constructor is entitled in accordance with such Change Certificate shall be the only relief and/or compensation to which the Constructor shall be entitled in respect of such Authority Change.

2.10 Costs of Preparing Change Report

(a) The costs incurred by the Constructor in preparing a Change Report shall be paid for as follows:

(i) all costs of the Constructor's own staff and employees, or any of their Affiliates, which would normally be part of the general management, administration, and supervision of the DB Work and general construction estimating shall be paid for by the Constructor and such costs shall not form part of the Change in Costs; and

(ii) subject to Section 2.10(b) of this Schedule, the Constructor shall be entitled to receive payment from the Authority, as part of the Change in Costs or, if the Authority elects not to proceed with the relevant Authority Changes pursuant to Section 2.7(b)(i) of this Schedule, by separate payment to the Constructor by the Authority, for any out of pocket costs that the Constructor reasonably and necessarily incurs, directly or indirectly, to prepare such Change Report and that are approved by the Authority's Representative prior to being incurred by the Constructor.

(b) The Constructor shall not be entitled to receive payment from the Authority pursuant to Section 2.10(a)(ii) of this Schedule for any out of pocket costs in respect of the preparation of a Change Report for a proposed Authority Change if it is agreed or determined pursuant to the Dispute Resolution Procedure that the preliminary estimate of the net amount of the Change in Costs arising from such Authority Change prepared by the Constructor pursuant to Section 2.2 [Preliminary Estimate of Impacts of Authority Change] of this Schedule was less than, by more than 20%, the net amount of the Change in Costs subsequently determined by the parties in accordance with this Part.

PART 3
VALUE ENGINEERING PROPOSALS

3.1 Notice of Value Engineering Proposal

The Constructor may submit to the Authority's Representative pursuant to the Consent Procedure a Value Engineering Proposal under Section 7.4 [Value Engineering Proposal], which Value Engineering Proposal shall:

(a) set out the extent to which such Value Engineering Proposal would, if accepted by the Authority's Representative, apply to vary the DB Work, the DB Requirements and/or this Agreement;

(b) set out all the applicable information required in a Change Report;

(c) provide sufficient information to the Authority's Representative to enable it to consider the sharing of benefits under Section 3.4 [Sharing Benefits of Value Engineering Proposal] of this Schedule;

(d) specify the Constructor's reasons and justification for proposing the Value Engineering Proposal, including:

(i) the comparative advantages to the Constructor and the Authority of each variation to the DB Work, the DB Requirements and/or this Agreement referred to in Section 3.1(a) of this Schedule;

(ii) [Intentionally Deleted]

(iii) confirmation that, if such Value Engineering Proposal had been initiated by the Authority, the Constructor would not have been able to refuse to implement such Value Engineering Proposal on any of the grounds set out in Section 4.2(a) of this Schedule; and

(iv) confirmation whether, if such Value Engineering Proposal had been initiated by the Constructor as a Minor Works, the Authority could potentially have been able to reject such Value Engineering Proposal on any of the grounds set out in Section 1.3 [Minor Works Initiated by Constructor] of this Schedule, together with the Constructor's rationale for why the Value Engineering Proposal is nevertheless recommended to the Authority notwithstanding the applicability of any such grounds for rejection; and

(e) indicate if there are any dates by which a decision by the Authority is requested.

3.2 Evaluation of Value Engineering Proposal

(a) In accordance with the Consent Procedure, the Authority's Representative shall consider any Value Engineering Proposal received from the Constructor, including:

(i) requesting any clarification or additional information or documentation regarding the Value Engineering Proposal as required by the Authority's Representative to fully evaluate and consider the Value Engineering Proposal; and

(ii) requesting modifications of the Value Engineering Proposal if required by the Authority's Representative.

(b) The Authority may accept or reject any Value Engineering Proposal in its discretion.

3.3 Change Certificate for Value Engineering Proposal

If the Authority's Representative accepts a Value Engineering Proposal pursuant to Section 3.2(b) of this Schedule, with or without modification, the relevant Value Engineering Proposal shall be documented and evidenced by a Change Certificate prepared by the Constructor and issued by the Authority's Representative in the same manner as an Authority Change under Section 2.8 [Change Certificate] of this Schedule.

3.4 Sharing Benefits of Value Engineering Proposal

If the Value Engineering Proposal causes or shall cause the costs of the Constructor to decrease, after taking into account the agreed implementation and reasonably allocated development costs of the Value Engineering Proposal incurred by the Constructor or any Subcontractor, and taking into account any other uses of the Value Engineering Proposal by the Constructor, the net savings in the costs of the Constructor and any such Subcontractor shall be shared equally by the Constructor and the Authority in the manner agreed to by the Authority's Representative and set out in the relevant Change Certificate in response to the Constructor's proposal therefor provided under Section 3.1(c).

3.5 Costs of Value Engineering Proposal

(a) The Constructor may deliver to the Authority's Representative preliminary information with respect to a proposed Value Engineering Proposal and the Authority may, at its discretion, agree in advance to pay all or any portion of the costs of developing such Value Engineering Proposal.

(b) Subject only to an agreement of the Authority otherwise in accordance with Section 3.5(a) of this Schedule, all costs of a Value Engineering Proposal shall be borne solely by the Constructor, including that the Constructor shall pay to the Authority promptly after receipt of an invoice therefor all reasonable and proper costs and expenses reasonably incurred by the Authority in connection with reviewing such Value Engineering Proposal and making a determination as to the acceptance or rejection of such Value Engineering Proposal, whether or not such Value Engineering Proposal is accepted and whether or not the proposed Value Engineering Proposal takes place, such costs and expenses to include professional costs and expenses, advisor fees and other out of pocket expenses, fees, costs and expenses charged by Partnerships BC or the Province to the Authority, and the Authority's reasonable internal administrative and personnel costs. At the time of the Constructor's submission of a Value Engineering Proposal pursuant to Section 3.1 [Notice of Value Engineering Proposal] of this Schedule, and as a condition precedent to the commencement of any time period specified for the Authority's Representative to object or otherwise respond to such submission and to any obligation of the Authority to review or consider any matter in respect of which any such submission is made, the Constructor shall pay to the Authority the sum of $35,000 (index linked) to be held by the Authority on account of the Constructor's obligations to pay under this Section in respect of such submission. After the relevant decision of the Authority is rendered, the Authority shall either refund any overpayment by the Constructor on account of amounts payable by the Constructor under this Section, or invoice the Constructor for any additional amounts payable by the Constructor under this Section, which additional amounts the Constructor shall pay within 10 Business Days after receipt of such invoice.

PART 4
GENERAL PROVISIONS

4.1 Modification of Processes and Procedures

Nothing in this Schedule or Part 7 [Authority Changes and Constructor Proposals] shall limit the ability of the parties to mutually, in writing, modify, simplify or waive some or all of the processes and procedures outlined in this Schedule or such Part in respect of Authority Changes or Constructor Proposals, including Minor Works and Value Engineering Proposals.

4.2 Constructor Refusal to Proceed

(a) The Constructor may, acting reasonably, refuse to provide a Change Report or implement an Authority Change (including Minor Works but excluding Required Authority Changes) on the basis that:

(i) to implement the Authority Change would not be technically feasible;

(ii) the Authority Change would, if implemented, materially and adversely affect the Constructor's ability to perform its obligations under this Agreement, or any other Authority Project Document, after having taken into account any amendments to any provision thereof contemplated under this Schedule and any payments to be made to the Constructor by the Authority in respect of such Authority Change under this Schedule;

(iii) to implement the Authority Change would be contrary to Good Industry Practice;

(iv) to implement the Authority Change would be contrary to Laws;

(v) to implement the Authority Change would be unsafe;

(vi) the Constructor would be unable (using all reasonable efforts in respect thereof) to obtain any new Permit or any amendment or revision to an existing Permit (other than any new or amended Permit that would be the responsibility of the Authority) that is:

(A) necessary to implement the Authority Change;

(B) necessary otherwise to allow compliance with the provisions of this Agreement as a consequence of implementation of such Authority Change having regard to the provisions of this Agreement (as amended, where appropriate, to take account of or make provision for the Authority Change); or

(C) necessitated by the revocation or cancellation of any existing Permit or the imposition of any additional conditions with which the Constructor would be unable to comply in relation to any existing Permit occurring as a result of the Authority Change; or

(vii) the Constructor would be unable (using all reasonable efforts in respect thereof) to obtain any Land Rights necessary for the purpose of implementing the Authority Change except where the Authority obtains, directly or indirectly, such Land Rights,

provided that the Constructor shall deliver to the Authority's Representative, within 20 Business Days (or within 10 Business Days in the case of Minor Works) after the receipt by the Constructor of the request for such Authority Change, written notice of such refusal together with an explanation of the Constructor's reasons therefor in sufficient detail to permit a considered review thereof by the Authority's Representative. If the Constructor does not deliver to the Authority's Representative any such written notice of refusal within such time period, the Constructor shall be deemed to have agreed to such Authority Change and shall either proceed with the performance of such Minor Works

under Section 1.2(a) of this Schedule or the preparation of a Change Report under Section 2.3 [Preparation of Change Report] of this Schedule for such other Authority Change, as the case may be.

(b) If the Authority's Representative disagrees with the Constructor's refusal to proceed delivered under Section 4.2(a) of this Schedule, then the Authority's Representative may notify the Constructor of such disagreement within 15 Business Days of the receipt of the Constructor's refusal, failing which the request for such Authority Change shall be deemed to have been cancelled. The parties shall cooperate to have such dispute resolved in a timely manner pursuant to the Dispute Resolution Procedure and, pending the resolution of such dispute, the Constructor shall not be required to proceed with the performance of such Minor Works under Section 1.2(a) of this Schedule or the preparation of a Change Report under Section 2.3 [Preparation of Change Report] of this Schedule for such other Authority Change, as the case may be.

4.3 Constructor Delay in Responding

In the event that the Constructor fails to:

(a) commence the performance of any Minor Works requested by the Authority or deliver a notice to the Authority's Representative disputing such requested Minor Works within the time period set out in Section 1.2(a) of this Schedule;

(b) prepare a Change Report in respect of any other Authority Change requested by the Authority within the time period set out in Section 2.3 [Preparation of Change Report] of this Schedule or deliver a notice to the Authority's Representative refusing to proceed with such other Authority Change within the time period set out in Section 4.2(a) of this Schedule; or

(c) meet any other time period required in respect of any Minor Works or other Authority Change under Part 7 [Authority Changes and Constructor Proposals] and this Schedule,

then, without limiting any rights of the Authority under this Agreement in respect of such failure, the Constructor shall bear the sole risk and expense of any increase in the amount that the Authority would be required to pay to the Constructor pursuant to Part 7 [Authority Changes and Constructor Proposals] and this Schedule in respect of such Minor Works or other Authority Change as a result of such delay. The onus for establishing that no such increase has resulted from such delay shall be on the Constructor.

4.4 Requirement to Obtain Competitive Tenders

(a) If either:

(i) the Authority's Representative gives notice of the requirement for the Constructor to obtain competitive tenders for any Minor Works or other Authority Change pursuant to Section 1.2(b) or Section 2.1(a) of this Schedule; or

(ii) the total estimated Change in Costs payable by the Authority in respect of the Minor Works or other Authority Change are reasonably likely to exceed $300,000 (index linked),

then, unless the Authority's Representative waives such requirement by notice to the Constructor or the Constructor demonstrates to the reasonable satisfaction of the Authority's Representative that it is impracticable, given the nature of such Minor Works or other Authority Change, to obtain such competitive tenders, the Constructor shall obtain, or cause its Subcontractors to obtain, as appropriate, at least three competitive tenders for the work involved in such Minor Works or other Authority Change, at least one of which such tenders shall be from a third party at arm's length from the Constructor and its Affiliates.

(b) In the case of Minor Works, the Authority shall, notwithstanding the receipt of tenders pursuant to Section 4.4(a) of this Schedule, make payment for such Minor Works in accordance with Section 1.2(c) of this Schedule.

(c) In the case of any Authority Change other than Minor Works, the Change in Costs for such Authority Change shall be the amount of the lowest compliant tender received pursuant to Section 4.4(a) of this Schedule, plus any Mark-up contemplated in Sections 2.4(d) and (f) of this Schedule.

4.5 Changes Not to Correct Errors in Cost Estimates

Neither the Constructor nor the Authority shall use a Constructor Proposal or an Authority Change, respectively, to correct, or derive benefit from, any errors or omissions in the cost estimates provided by the Constructor for any DB Work forming part of this Agreement.

4.6 Disputes

Any dispute between the parties arising in connection with any matter in respect of an Authority Change or Constructor Proposal, including any Minor Works, shall be resolved in accordance with the Dispute Resolution Procedure.

Page 319 to/à Page 331

Withheld pursuant to/removed as

s.17

E-mail Message

From: Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To: Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:
Sent: 2012-09-16 at 11:52 AM
Received: 2012-09-16 at 11:52 AM
Subject: Fw: s.17

Attachments: s.17

Pat,

Please print all off.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 09:53 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Hello Rodney: response to question #3, same qualifications. TK

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 333

Withheld pursuant to/removed as

s.17

s.17

All for now.

Regards,

Rodney Chapman

****
Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
be incorrect or incomplete or should the law or its interpretation change, our advice may be
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confidential and may be privileged and is for the sole use of KPMG's client. The advice is based
on the specific facts and circumstances and the scope of KPMG's engagement and associated
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KPMG disclaims any responsibility or liability for any reliance that any person other than

the client may place on this advice. If you are not the intended recipient, any disclosure,
copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.
****

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-09-16 at 11:53 AM
Received:	2012-09-16 at 11:53 AM
Subject:	Fw: s.17
Attachments:	gravel letters from KFGP x 3.pdf

Pat.

Please print all off.

Txs,

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 10:08 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Hello Rodney: response to question #6, same qualifications. TK

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 337

Withheld pursuant to/removed as

s.17

Dec-11

Jan-12

Feb-12

Mar-12

Apr-12

May-12

Jun-12

Jul-12

TO GO

TOTAL

DR37

DR38

DR39

DR41

DR42

DR43

DR44

DR45

TO GO

s.17

Page 339 to/à Page 340

Withheld pursuant to/removed as

s.17

s.17

All for now.

Regards,

Rodney Chapman

****
Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
be incorrect or incomplete or should the law or its interpretation change, our advice may be
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KPMG disclaims any responsibility or liability for any reliance that any person other than
the client may place on this advice. If you are not the intended recipient, any disclosure,
copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.
****

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-09-17 at 11:31 AM
Received:	2012-09-17 at 11:31 AM
Subject:	Fw: s.17
Attachments:	Draw Request _38 Submitted (3 of 3).pdf

Pat,

Please print all off.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 10:58 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Hello Rodney: response to question #8, same qualifications. Sent in three emails due to size of attachment - DR38 sent in three parts. TK

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 343

Withheld pursuant to/removed as

s.17

s.17

s.13,s.17

s.17

All for now.

Regards,

Rodney Chapman

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Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
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****

Kiewit FLATIRON general partnership

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38S3 Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.00	**Mobilization & Demobilization**	LS	s.17,s.21	1.00	s.17,s.21	0.952	0.952	0.000	s.17,s.21		
	Hub and Segment Offices Mob and Demob										
2.00	**Design Fees**	LS		1.00		0	0	0			
	Detailed Design & Construction Support										
3.00	**Maintenance of Traffic**	LS		1.00		0	0	0			
	Traffic Control, Traffic Devices, and Detours										
4.00	**On Shore Demo and Removals**	LS		1.00		0	0	0			
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.00	**Excavation and Embankment**	LS		1.00		0	0	0			
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.00	**Walls**	LS		1.00		0	0	0			
	Anchor, CIP, MSE, EPS Walls										
7.00	**Environmental**	LS		1.00		0	0	0			
	Construction & Maintenance of Controls										
8.00	**Drainage**	LS		1.00		0	0	0			
	Culverts, Catch Basins, Water, Sewer										
9.00	**Utility Relocations**	LS		1.00		0	0	0			
	Relocate & Protect Utilities										
10.00	**Processing**	LS		1.00		0.000	0.000	0.000			
	Pit Development & Material Processing										
11.00	**On Shore Structures**	LS		1.00		0	0	0			
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.00	**Subbase/Base & Paving**	LS		1.00		0	0	0			
	Place & Compact Base & Subbase, AC Paving										
13.00	**Finishing**	LS		1.00		0.000	0.000	0.000			
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.00	**Quality Control & Survey**	LS		1.00		0.618	0.601	0.017			
	QC Laboratories & Survey										
15.00	**PMB Foundations**	LS		1.00		0.936	0.935	0.001			
	Exc, Piles & Shaft, Rebar, Rip rap										
16.00	**PMB Substructure**	LS		1.00		0.879	0.879	0.000			
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.00	**PMB Superstructure**	LS		1.00		0.840	0.808	0.032			
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.00	**PMB Marine Access**	LS		1.00		0.973	0.971	0.002			
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.00	**PMB Demo**	LS		1.00		0.000	0.000	0.000			
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL S3										

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

Kiewit FLATIRON general partnership

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38S4 Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.00	Mobilization & Demobilization	LS	s.17,s.21	1.00	s.17,s.21	0.878	0.878	0.000	s.17,s.21		
	Hub and Segment Offices Mob and Demob										
2.00	Design Fees	LS		1.00		0	0	0			
	Detailed Design & Construction Support										
3.00	Maintenance of Traffic	LS		1.00		0.695	0.681	0.015			
	Traffic Control, Traffic Devices, and Detours										
4.00	On Shore Demo and Removals	LS		1.00		0.371	0.347	0.024			
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.00	Excavation and Embankment	LS		1.00		0.731	0.724	0.007			
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.00	Walls	LS		1.00		0.696	0.696	0.000			
	Anchor, CIP, MSE, EPS Walls										
7.00	Environmental	LS		1.00		0.671	0.666	0.005			
	Construction & Maintenance of Controls										
8.00	Drainage	LS		1.00		0.518	0.511	0.007			
	Culverts, Catch Basins, Water, Sewer										
9.00	Utility Relocations	LS		1.00		0.854	0.854	0.000			
	Relocate & Protect Utilities										
10.00	Processing	LS		1.00		0.884	0.874	0.010			
	Pit Development & Material Processing										
11.00	On Shore Structures	LS		1.00		0.931	0.892	0.039			
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.00	Subbase/Base & Paving	LS		1.00		0.375	0.340	0.035			
	Place & Compact Base & Subbase, AC Paving										
13.00	Finishing	LS		1.00		0.356	0.298	0.058			
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.00	Quality Control & Survey	LS		1.00		0.750	0.729	0.021			
	QC Laboratories & Survey										
15.00	PMB Foundations	LS		1.00		0	0	0			
	Exc, Piles & Shaft, Rebar, Rip rap										
16.00	PMB Substructure	LS		1.00		0	0	0			
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.00	PMB Superstructure	LS		1.00		0	0	0			
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.00	PMB Marine Access	LS		1.00		0	0	0			
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.00	PMB Demo	LS		1.00		0	0	0			
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL S4										

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

Kiewit FLATIRON general partners

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
1.00	Mobilization & Demobilization			s.17,s.21	1.00	s.17,s.21	0.943	0.942	0.001	s.17,s.21		
	Mobilization						0.963	0.962	0.001			
1.1.0	Outside Consulting Fees (including RFP)	Hub	LS		1.00		1.000	1.000	0.000			
1.2.0	Design Success Fee		LS		1.00		1.000	1.000	0.000			
1.3.0	Office Deposit & Rent		LS		1.00		0.730	0.715	0.015			
1.4.0	Additional Office Renovations		LS		1.00		1.000	1.000	0.000			
1.5.0	Office Furniture		LS		1.00		1.000	1.000	0.000			
1.6.0	Office Equipment / Computers		LS		1.00		1.000	1.000	0.000			
1.7.0	Software Purchase		LS		1.00		1.000	1.000	0.000			
1.8.0	Utilities & Communication		LS		1.00		1.000	1.000	0.000			
1.9.0	Equipment / Insurance s.17		LS		1.00		1.000	1.000	0.000			
1.10.0	Parking, Fuel, Maintenance		LS		1.00		1.000	1.000	0.000			
1.11.0	Employee Moves		LS		1.00		0.900	0.900	0.000			
1.12.0	Employee Wages		LS		1.00		1.000	1.000	0.000			
1.13.0	Quality Control Lab		LS		1.00		1.000	1.000	0.000			
1.14.0	Traffic Control Center		LS		1.00		0.856	0.856	0.000			
1.15.0	Main Project Maintenance Shop / Equip / Yard		LS		1.00		1.000	1.000	0.000			
1.16.0	Staff Vehicles		LS		1.00		1.000	1.000	0.000			
	Mobilization						0.968	0.968	0.000			
1.17.1	Segment Yard Procurement & Grading	S1	LS		1.00		1.000	1.000	0.000			
1.18.1	Office Procurement & Set-up		LS		1.00		1.000	1.000	0.000			
1.19.1	Utilities & Communications		LS		1.00		1.000	1.000	0.000			
1.20.1	Office Equipment & Furniture		LS		1.00		1.000	1.000	0.000			
1.21.1	Equipment & Vehicles		LS		1.00		0.950	0.950	0.000			
	Mobilization						0.986	0.986	0.000			
1.17.2	Segment Yard Procurement & Grading	S2	LS		1.00		1.000	1.000	0.000			
1.18.2	Office Procurement & Set-up		LS		1.00		1.000	1.000	0.000			
1.19.2	Utilities & Communications		LS		1.00		1.000	1.000	0.000			
1.20.2	Office Equipment & Furniture		LS		1.00		1.000	1.000	0.000			
1.21.2	Equipment & Vehicles		LS		1.00		0.980	0.980	0.000			
	Mobilization						0.927	0.927	0.000			
1.17.3	Segment Yard Procurement & Grading	S4	LS		1.00		1.000	1.000	0.000			
1.18.3	Office Procurement & Set-up		LS		1.00		1.000	1.000	0.000			
1.19.3	Utilities & Communications		LS		1.00		1.000	1.000	0.000			
1.20.3	Office Equipment & Furniture		LS		1.00		0.900	0.900	0.000			
1.21.3	Equipment & Vehicles		LS		1.00		0.900	0.900	0.000			
	Mobilization						0.983	0.983	0.000			
1.17.4	Segment Yard Procurement & Grading	PMB	LS		1.00		1.000	1.000	0.000			
1.18.4	Office Procurement & Set-up		LS		1.00		1.000	1.000	0.000			
1.19.4	Utilities & Communications		LS		1.00		1.000	1.000	0.000			
1.20.4	Office Equipment & Furniture		LS		1.00		0.970	0.970	0.000			
1.21.4	Equipment & Vehicles		LS		1.00		0.970	0.970	0.000			
	Mobilization						0.994	0.994	0.000			
1.17.5	Segment Yard Procurement & Grading	PC Yard	LS		1.00		1.000	1.000	0.000			
1.18.5	Office Procurement & Set-up		LS		1.00		1.000	1.000	0.000			
1.19.5	Utilities & Communications		LS		1.00		1.000	1.000	0.000			
1.20.5	Office Equipment & Furniture		LS		1.00		0.970	0.970	0.000			
1.21.5	Equipment & Vehicles		LS		1.00		0.970	0.970	0.000			
	Demobilization						0.000	0.000	0.000			
1.22	Demobilization	Hub	LS		1.00		0.000	0.000	0.000			
1.23	Demobilization	S1	LS		1.00		0.000	0.000	0.000			
1.24	Demobilization	S2	LS		1.00		0.000	0.000	0.000			
1.25	Demobilization	S4	LS		1.00		0.000	0.000	0.000			
1.26	Demobilization	S3	LS		1.00		0.000	0.000	0.000			
1.27	Demobilization	S3	LS		1.00		0.000	0.000	0.000			

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
2.00	Design			s.17,s.21			s.17,s.21			s.17,s.21		
2.10	Design Mobilization	All	LS									
	Design Fees											
2.2.1	Design Services	S1	LS									
2.3.1	Construction Services		mo									
	Design Fees											
2.2.2	Design Services	S2	LS									
2.3.2	Construction Services		mo									
	Design Fees											
2.2.3	Design Services	S4	LS									
2.3.3	Construction Services		mo									
	Design Fees											
2.2.4	Design Services	S3	LS									
2.3.4	Construction Services		mo									
	Design Fees											
2.4	Utilities Design	All	LS									

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
3.00	Maintenance of Traffic			s.17,s.21			s.17,s.21				s.17,s.21	
3.1	Traffic Control Operations	S1	month									
3.2	Staged Detours		LS									
3.1	Traffic Control Operations											
3.1.1	Pre-Tolling Commencement	S2	month									
3.1.2	Post-Tolling Commencement		month									
3.2	Staged Detours		EA									
3.1	Traffic Control Operations	S4	month									
3.2	Staged Detours		LS									

Traffic Control Operations

- Closure Crews (weeks)
- Flaggers (man weeks)
- Signs (weeks)
- Barricades (lump sum)
- Message Boards (lump sum)
- Arrow Boards (lump sum)
- Light Plants (weeks)
- Temporary Barriers (each)
- Visual Screens (linear meter)

Detours

- Temporary lightning and signals (lump sum)
- Detour exc/removal (m^3)
- Stripping (m^3)
- Detour Removal (m^2)
- Temporary Bridge Construction and Removal (each)

Kiewit FLATIRON general partners

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
4.00	**Onshore Demos and Removals**			s.17,s.21			s.17,s.21			s.17,s.21		
4.10	Demo & Removal Initial Set-up	All	LS									
4.2	**Onshore Demos and Removals**											
4.2.1	Bridge Demo	S1	m^3									
4.2.3	Culvert Removal		LS									
4.2.4	Barrier Removal		LS									
4.2.5	Asphalt Removal / Reclaim		m^2									
4.2.6	Building Demolition		m^2									
4.3	**Onshore Demos and Removals**											
4.3.1	Bridge Demo	S2	m^3									
4.3.2	Retaining Wall Demo		m^3									
4.3.3	Culvert Removal		m									
4.3.5	Asphalt Removal / Reclaim		m^2									
4.3.6	Building Demolition		m^2									
4.4	**Onshore Demos and Removals**											
4.4.1	Bridge Demo	S4	ea									
4.4.5	Asphalt Removal / Reclaim		m^2									
4.4.6	Building Demolition		m^2									

Bridge Demo
- Partial Demos for Rehab - S1 (m^3)
- Full Demos - All (m^3)
- Hand Demo/Hydro Demo - S1 (m^3)
- CIP/MSE/Crib wall demo - S2 (m^3)

Culvert Removal
- Abandon clulverts - All (m)

Barrier Removal
- Demo barrier + haul - S1 (lump sum)
- Miscellaneous - sidewalks, islands, curbs & gutters, signs, lighting foundations, hauls - All (m^3)

Ashpalt Removal/Reclaim
- Asphalt removal - All (m^2)

Building and Lot Demolition
- Building & lot demo - All (m^2)

Kiewit FLATIRON general partnership

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
5.0	Excavation & Embankment			s.17,s.21			s.17,s.21			s.17,s.21		
5.1	Sitework Initial Set-up	All	LS									
5.2	Excavation & Embankment											
5.2.1	Clear and Grub	S1	HA									
5.2.2	Stripping		m^3									
5.2.3	Mass Excavation		m^3									
5.2.4	Surcharge / Preload		m^3									
5.2.5	EPS Fill		m^3									
5.3	Excavation & Embankment											
5.3.1	Clear and Grub	S2	HA									
5.3.2	Stripping		m^3									
5.3.3	Mass Excavation		m^3									
5.3.4	Surcharge / Preload		m^3									
5.3.5	EPS Fill		m^3									
5.4	Excavation & Embankment											
5.4.1	Clear and Grub	S4	HA									
5.4.2	Stripping		m^3									
5.4.3	Mass Excavation		m^3									
5.4.4	Surcharge / Preload		m^3									

Clear + Grub

- Clear & Grub(ha)

Stripping

- Strip to waste (m^3)
- Strip to stockpile (m^3)
- Place strippings (m^3)
- Haul strippings (m^3)

Mass Exc

- Excavation to embankment (m^3)
- Discing & Drying (m^3)
- Build Haul Road (m^3)
- Haul - on site & off site (m^3)
- Excavate to waste (m^3)
- Load/Haul/Place Borrow (m^3)

Surcharge/Preload

- Settlement Gauges (each)
- Haul (m^3)
- Filter Fabric (m^3)
- Load/Place/Remove(m^3)
- Lockblocks(each)

EPS

- Buy EPS (m^3)
- Place (m^3)
- Timber Pile (each)

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
6.00	Walls			s.17,s.21							s.17,s.21	
6.1	Initial Wall Set-up	All	LS									
6.2	Walls											
6.2.1	Wall Excavation	S1	m^3									
6.2.2	Anchor Walls		m^2									
6.2.3	CIP Walls		m^3									
6.2.4	MSE Concrete Face Panels		m^2									
6.2.5	EPS Starter Walls		m^2									
6.2.6	Rebar		LS									
6.3	Walls											
6.3.1	Wall Excavation	S2	m^3									
6.3.2	Anchor Walls		m^2									
6.3.3	CIP Walls		m^3									
6.3.4	MSE Concrete Face Panels		m^2									
6.3.5	EPS Starter Walls		m^2									
6.3.6	Rebar		LS									
6.4	Walls											
6.4.1	Wall Excavation	S4	m^3									
6.4.2	Anchor Walls		m^2									
6.4.3	CIP Walls		m^3									
6.4.4	MSE Concrete Face Panels		m^2									
6.4.5	Rebar		LS									

Wall Excavation
- MSE wall excavation (m^3)
- Footings excavation (m^3)

Anchor Walls
- H-Pile (each)
- DCP anchors (each)
- Shotcrete (m^2)
- Soil Nails (each)
- Steepen Slope (m)
- Footings (m^3)

CIP Walls
- Backfill (m^3)
- Footings (m^3)
- Wall (m^3)

MSE
- Face panels & straps (m^2)
- Backfill (m^3)
- Two stage walls (m^2)
- Footings (m^3)

EPS
- Precast EPS panels & ties (m^2)
- Coping (m^3)
- Moment & slab (m^2)
- Footings (m^3)

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
7.00	Environmental			s.17,s.21							s.17,s.21	
7.1	Environmental											
7.1.1	Construction of Environmental Controls	S1	LS									
7.1.2	Maintenance of Controls		LS									
7.1.3	Environmental Compensation Area		LS									
7.2	Environmental											
7.2.1	Construction of Environmental Controls	S2	LS									
7.2.2	Maintenance of Controls		LS									
7.2.3	Environmental Compensation Area		LS									
7.3	Environmental											
7.3.1	Construction of Environmental Controls	S4	LS									
7.3.2	Maintenance of Controls		LS									
7.3.3	Environmental Compensation Area		LS									

Construction of Environmental Controls

- Silt fence PM & install (m)
- Inlet protection (each)
- Filter fabric (m^2)
- Straw bales (m^2)
- Check dams (each)
- Construct wheel washes (each)
- Temporary ponds (m^2)
- Stock pile/slope protection (m^2)
- Temp fencing (m^2)

Maintenance of Controls

- Wheel washes maintenance (weeks)
- Temporary water treatment ponds (m^2)
- Stockpile/Slop protection (m^2)

Environmental Compensation Area

- Fish creek diversions (each)
- App E culverts (m)
- Land buys (m^2)

Kiewit FLATIRON general partnership

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
8.00	Drainage			s.17,s.21							s.17,s.21	
8.1	Drainage											
8.1.1	Drainage Culverts	S1	LM									
8.1.2	Install Catch Basins / Manholes / Seperator		EA									
8.1.3	Storm Sewer		LM									
8.1.4	Rip Rap / Retention Basins		LS									
8.2	Drainage											
8.2.1	Drainage Culverts	S2	LM									
8.2.2	Install Catch Basins / Manholes / Seperator		EA									
8.2.3	Storm Sewer		LM									
8.2.4	Rip Rap / Retention Basins		LS									
8.3	Drainage											
8.3.1	Drainage Culverts	S4	LM									
8.3.2	Install Catch Basins / Manholes / Seperator		EA									
8.3.3	Storm Sewer		LM									
8.3.4	Rip Rap / Retention Basins		LS									

Drainage Culverts
- CSP culverts & extensions (m)
- Headwalls (each)
- Boring (m)
- SOE (m^2)
- Pipe casing (m)

Install Catch Basins/Manholes/Seperator
- CBS (each)
- Frame & Grate (each)
- Bends, Ys, grout (each)
- Manholes (each)
- Vortechs (each)

Storm Sewer
- Slot drains (each)
- SOE (m^2)
- Boring support (hours)
- PVC Pipe (m)

Rip Rap/Retention Basins
- Rip rap PM & install (tnes)
- Geotextile (m^2)
- Ditching & ponds (m^3)

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
9.0	**Utility Relocations**			s.17,s.21							s.17,s.21	
9.1	**Utility Investigation**	All	LS									
9.2	**Utility Relocations**											
9.2.1	Relocate Sewer / Water	S1	LS									
9.2.2	Relocate Utility BCH		LS									
9.2.3	Relocate Utility BCTC		LS									
9.2.4	Relocate Utility TELUS		LS									
9.2.5	Relocate Utility Others		LS									
9.2.7	Protect Utilities		LS									
9.3	**Utility Relocations**											
9.3.1	Relocate Sewer / Water	S2	LS									
9.3.2	Relocate Utility BCH		LS									
9.3.3	Relocate Utility BCTC		LS									
9.3.4	Relocate Utility TELUS		LS									
9.3.5	Relocate Utility Others		LS									
9.3.6	Relocate Railway Lines		LS									
9.3.7	Protect Utilities		LS									
9.4	**Utility Relocations**											
9.4.1	Relocate Sewer / Water	S4	LS									
9.4.2	Relocate Utility BCH		LS									
9.4.4	Relocate Utility TELUS		LS									
9.4.5	Relocate Utility Others		LS									
9.4.7	Protect Utilities		LS									

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Billing	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
								To Date	Previous	This Period	To Date	Previous	This Period
10.0	Processing				s.17,s.21							s.17,s.21	
10.1	Pit Development	Hub	All	LS									
10.2	Processing												
10.2.1	Process Misc Gravel	S1	S1	TNE									
10.2.2	Process 25 MM WGBC			TNE									
10.2.3	Haul to Site			TNE									
10.3	Processing												
10.3.1	Process Misc Gravel	S2	S2	TNE									
10.3.2	Process 25 MM WGBC			TNE									
10.3.3	Haul to Site			TNE									
10.4	Processing												
10.4.1	Process Misc Gravel	S4	S4	TNE									
10.4.2	Process 25 MM WGBC			TNE									
10.4.3	Haul to Site			TNE									
10.4	Processing												
10.4.1	Process Pipe Bedding, Drain Rock	S3	PMB	TNE									
10.4.3	Haul to Site			TNE									

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Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
11.0	On Shore Structures			s.17,s.21							s.17,s.21	
11.1	On Shore Structure Initial Set-up	All	LS									
11.2	On Shore Structures											
11.2.1	Foundations	S1	m^3									
11.2.2	Substructure		m^3									
11.2.3	Materials on Hand		LS									
11.2.4	Superstructure		m^3									
11.2.5	Bridge Rehab		LS									
11.3	On Shore Structures											
11.3.1	Foundations	S2	m^3									
11.3.2	Substructure		m^3									
11.3.3	Materials on Hand		LS									
11.3.4	Superstructure		m^3									
11.4	On Shore Structures											
11.4.1	Foundations	S4	LS									
11.4.2	Substructure		m^3									
11.4.3	Materials on Hand		LS									
11.4.4	Superstructure		m^3									

Foundations
- Str Excavation & backfill (m^3)
- Ground Improvements (m^3)
- Stone Columns (m^3)
- Piling & Anchors (each)
- Drive Pile (each)
- Drill Shafts (each)
- Splice & weld (each)

Substructure
- Footings (m^3)
- Abutments & wingwalls (m^2)
- Columns & pier caps (m^3)
- Cut & cover tunnels (m^2)

Material on Hand
- Pile (each)
- Rebar (tne)
- Stone for stone columns (m^3)
- Concrete (m^3)
- Precast girders (each)
- Bearings (each)
- Structural steel (tne)
- Miscellaneous metal (each)
- PT strand (lump sum)

Superstructure
- Deck (m^2)
- Approach slabs (m^2)
- Parapets (m^2)
- Precast barrier (m)

Rehab (west)
- Columns & footings (m^3)
- Abutments (m^2)
- Girders (tne)

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
12.0	**Subbase / Base & Paving**			s.17,s.21							s.17,s.21	
12.1	Base & Paving Initial Set-up	All	LS									
12.2	**Subbase / Base & Paving**											
12.2.1	Pace / Compact / Finish Base	S1	m^3									
12.2.2	AC Paving		TNE									
12.3	**Subbase / Base & Paving**											
12.3.1	Pace / Compact / Finish Base	S2	m^3									
12.3.2	AC Paving		TNE									
12.4	**Subbase / Base & Paving**											
12.4.1	Pace / Compact / Finish Base	S4	m^3									
12.4.2	AC Paving		TNE									

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
13.0	Finishing			s.17,s.21							s.17,s.21	
13.1	Landscaping / Electrical / Signage											
13.1.1	Landscaping	S1	LS									
13.1.2	Electrical & Signals		LS									
13.1.3	Barriers		m									
13.1.4	ITS Systems		LS									
13.1.5	Sidewalks / Curbs / Raised Medians		m^2									
13.1.6	Pavement Markings		m									
13.2	Landscaping / Electrical / Signage											
13.2.1	Landscaping	S2	LS									
13.2.2	Electrical & Signals		LS									
13.2.3	Barriers		m									
13.2.4	ITS Systems		LS									
13.2.5	Sidewalks / Curbs / Raised Medians		m^2									
13.2.6	Pavement Markings		m									
13.3	Landscaping / Electrical / Signage											
13.3.1	Landscaping	S4	LS									
13.3.2	Electrical & Signals		LS									
13.3.3	Barriers		m									
13.3.4	ITS Systems		LS									
13.3.5	Sidewalks / Curbs / Raised Medians		m^2									
13.3.6	Pavement Markings		m									
13.4	Landscaping / Electrical / Signage											
13.4.2	Electrical & Signals	PMB	LS									
13.4.3	Barriers		m									
13.4.6	Pavement Markings		m									

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Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
14.0	Quality & Survey			s.17,s.21							s.17,s.21	
14.1	Quality Control	S1	MONTH									
14.5	Survey		MONTH									
14.2	Quality Control	S2	MONTH									
14.6	Survey		MONTH									
14.3	Quality Control	S4	MONTH									
14.7	Survey		MONTH									
14.4	Quality Control	PMB	MONTH									
14.8	Survey		MONTH									

Notes

- PMB survey includes precast yard
- PMB QC includes outside testing for concrete & cables
- All QC splits cost of lab setup, equipment & operators

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
15.0	**Port Mann Foundations**			s.17,s.21							s.17,s.21	
15.1	Cofferdams											
15.1.1	Materials on Hand	PMB	LS									
15.1.2	Assemble / Install		LS									
15.1.3	Remove		LS									
15.2	Excavation / Disposal on Shore											
15.2.1	Build Access	PMB	LS									
15.2.2	Excavation / Haul / Disposal		m^3									
15.3	Excavation / Disposal Marine	PMB	m^3									
15.4	Piling & Drilled Shafts Approaches											
15.4.1	Materials on Hand	PMB	LS									
15.4.2	Installation		LS									
15.5	Pile Driving Marine											
15.5.1	Materials on Hand	PMB	LS									
15.5.2	Installation		LS									
15.6	Precast Foundation Shell	PMB	LS									
15.7	Concrete Footings											
15.7.1	Land Footings	PMB	m^3									
15.7.2	Marine Footings		m^3									
15.8	Rebar	PMB	LS									
15.9	Rip Rap Protection		m^3									
15.10	Test Pile		LS									

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Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
16.0	**Port Mann Substructure**			s.17,s.21							s.17,s.21	
16.1	Substructure Initial Set-up	PMB	LS									
16.2	Side Span Columns / Bents	PMB	LS									
16.3	Main Span Towers		LS									
16.4	Rebar		LS									
16.5	Metals		LS									
16.6	Seismic Monitoring		LS									
16.7	Elevators & Travellers		LS									

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Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
17.0	**Port Mann Superstructure**			s.17,s.21							s.17,s.21	
17.1	Superstructure Initial Set-up	PMB	LS									
17.2	Furnish Precast Segments	PMB	LS									
17.3	Erect Precast Segments		LS									
17.4	S & I Field P/T		LS									
17.5	S & I Deck Steel		LS									
17.6	S & I Precast Deck		LS									
17.7	Stay Cables		LS									
17.8	Parapets / Approach Slabs		LS									
17.9	Misc Metals		LS									

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Billing	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
								To Date	Previous	This Period	To Date	Previous	This Period
18.0	Port Mann Marine Access				s.17,s.21							s.17,s.21	
18.1	Work Trestle												
18.1.1	Materials on Hand	S3	PMB	LS									
18.1.2	Fabrication & Install			LS									
18.2	Access Dredging	S3	PMB	LS									
18.3	Loading Docks												
18.3.1	Materials on Hand	S3	PMB	LS									
18.3.2	Fabrication & Install			LS									
18.4	Tugs / Barges / Personnel Boats	S3	PMB	LS									
18.5	Mob / Outfit Specialty Bridge Equipment												
18.5.1	Mob Specialty Bridge Equipment	S3	PMB	LS									
18.5.2	Outfit Cranes & Barges			LS									

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Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38

Item #	Description of Work	Location	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
							To Date	Previous	This Period	To Date	Previous	This Period
19.0	**Port Mann Bridge Demolition**			s.17,s.21							s.17,s.21	
19.1	Bridge Demolition Initial Set-up	PMB	LS									
19.2	Remove Temporary Span Steel	PMB	LS									
19.3	Install / Remove Temporary Towers & Support		LS									
19.4	Remove Main Span & Backspans		LS									
19.5	Demo Deck Concrete		LS									
19.6	Demo Land Substructure		LS									
19.7	Demo Marine Substructure		LS									

E-mail Message

From: Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To: tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:
Sent: 2012-09-17 at 11:33 AM
Received: 2012-09-17 at 11:33 AM
Subject: Re: s.17

Thomas,

To cover all your responses so you don't read a recording thanks again for all your responses and will review next week.

Regards,

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 10:58 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17
Â

Hello Rodney:Â response to question #8, same qualifications.Â Sent in three emails due to size of attachment â DR38 sent in three parts.Â TK

Â

Â

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

Â

s.17

Page 368 to/à Page 369

Withheld pursuant to/removed as

s.17

be incorrect or incomplete or should the law or its interpretation change, our advice may be
inappropriate. We are not responsible for updating our advice for changes in law or interpretation after the date hereof. The advice or other information provided herein is
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copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.
****

E-mail Message

From: Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To: Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:
Sent: 2012-09-17 at 12:23 PM
Received: 2012-09-17 at 12:23 PM
Subject: Fw: s.17

Attachments: s.17

Pat,

Please print all off.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 10:13 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Hello Rodney: response to question #7, same qualifications. TK

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 372

Withheld pursuant to/removed as

s.17

s.17

All for now.

Regards,

Rodney Chapman

****
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****

SCHEDULE 3
PROJECT SCHEDULE

PART 1 GENERAL PROVISIONS 1

1.1 Diligent Performance of DB Work 1
1.2 Project Schedule 1
1.3 Works Schedule 2
1.4 Conflict Between Project Schedule and Works Schedule 3
1.5 Works Schedule for other Construction Activities 3

Appendix A Project Schedule

PART 1
GENERAL PROVISIONS

1.1 Diligent Performance of DB Work

The Constructor shall:

(a) commence the DB Work promptly following the Effective Date;

(b) pursue the DB Work diligently to ensure that each of the milestone events for the completion of the Fraser Heights Connector and the Primary Highway Components, in each case as identified in the Project Schedule, as amended from time to time in accordance with Section 1.2 [Project Schedule] of this Schedule, is achieved at or before the time specified therefor in the Project Schedule, as so amended by the Constructor; and

(c) perform the DB Work in material conformity with the Works Schedule, as amended from time to time in accordance with Section 1.3 [Works Schedule] of this Schedule.

1.2 Project Schedule

(a) The Project Schedule sets out the schedule in accordance with which the Constructor is to carry out the DB Work provided for in the Project Requirements.

(b) The Constructor may submit to the Authority's Representative from time to time in accordance with the Review Procedure an update of the Project Schedule to amend the milestone events for the completion of the relevant DB Work, provided that no such amendment of the Project Schedule shall amend the FHC Substantial Completion Target Date, the Tolling Commencement Target Date, the Substantial Completion Target Date, the Total Completion Target Date or the Existing Port Mann Bridge Demolition Target Date (except to reflect any extension of any such dates agreed or determined in accordance with this Agreement).

(c) If in the reasonable opinion of the Authority's Representative or the Constructor at any time the actual progress of the DB Work does not conform with the Project Schedule, then, within 10 days of being so advised by the Authority's Representative or (if earlier) becoming aware of such nonconformity, the Constructor shall:

(i) provide the Authority's Representative with a report identifying the reasons for such nonconformity with the Project Schedule;

(ii) submit to the Authority's Representative for review in accordance with the Review Procedure a revised Project Schedule, which shall:

(A) be in accordance with Good Industry Practice;

(B) satisfy the Design and Construction Requirements; and

(C) provide for the DB Work to be pursued diligently in accordance with Section 1.1 [Diligent Performance of DB Work] of this Schedule.

(d) The Authority may at any time, as an Authority Change pursuant to Part 7 [Authority Changes and Constructor Proposals], request a revision to the Project Schedule to accelerate the performance of the DB Work or any component thereof.

(e) The Constructor shall prepare and provide to the Authority's Representative an updated Project Schedule from time to time as required to reflect consequential changes to the Project Schedule provided for under Article 7 [Authority Changes and Constructor Proposals] or Article 8 [Supervening Events].

1.3 Works Schedule

(a) The Constructor shall prepare and submit to the Authority's Representative in accordance with the Review Procedure:

(i) within 180 days of the Effective Date, an initial Works Schedule which shall be in all respects consistent with the Project Schedule;

(ii) at the same time as a revised Project Schedule is submitted in accordance with Sections 1.2(b) or 1.2(c) of this Schedule, a revised Works Schedule in respect of each such revised Project Schedule which shall be in all respects consistent with such revised Project Schedule; and

(iii) as soon as practicable following notification of a change to the Project Schedule required by the Authority pursuant to Section 1.2(d) of this Schedule, a revised Works Schedule in respect of each such revised Project Schedule which shall be in all respects consistent with such revised Project Schedule.

(b) Other than in the circumstances referred to in Section 1.3(a) of this Schedule, if the Constructor wishes to make any amendment to the Works Schedule or if in the reasonable opinion of the Authority's Representative or the Constructor at any time the actual progress of the DB Work does not conform with the Works Schedule in any material respect then, prior to making any such amendment or within 15 days of being so advised by the Authority's Representative or (if earlier) becoming aware of such nonconformity, the Constructor shall:

(i) provide the Authority's Representative with a report identifying the reasons for such amendment to or nonconformity with the Works Schedule; and

(ii) submit to the Authority's Representative for review in accordance with the Review Procedure a revised Works Schedule, which shall be in all respects consistent with the Project Schedule.

(c) The initial Works Schedule and any revised Works Schedules submitted in accordance with this Section shall:

(i) be in accordance with Good Industry Practice;

(ii) satisfy the Design and Construction Requirements;

(iii) be in sufficient detail so as to enable the Authority's Representative to resource itself appropriately; and

(iv) provide for the DB Work to be commenced and pursued diligently in accordance with Section 1.1 [Diligent Performance of DB Work] of this Schedule.

(d) The Constructor shall, at the same time as an updated Project Schedule is provided to the Authority's Representative in accordance with Section 1.2(e) of this Schedule, prepare and provide to the Authority's Representative an updated Works Schedule which shall be in all respects consistent with such updated Project Schedule.

1.4 Conflict Between Project Schedule and Works Schedule

The Works Schedule shall be provided for the information of the Authority and the Authority's Representative. In the event of any conflict between the Project Schedule and the Works Schedule, the Project Schedule shall, unless otherwise agreed by the Authority's Representative in its discretion, prevail.

1.5 Works Schedule for other Construction Activities

The Constructor shall prepare and submit to the Authority's Representative detailed schedules for the design, investigation, construction, testing, commissioning and related activities with respect to other Construction Activities carried out by the Constructor during the DB Term, and the provisions of Section 1.3 [Works Schedule] and 1.4 [Conflict Between Project Schedule and Works Schedule] shall apply to all such other schedules, *mutatis mutandis*.

APPENDIX A
PROJECT SCHEDULE

DESCRIPTION	LATE START	LATE FINISH
Milestones		
Effective Date	2009-mar-17	
Public & Municipal Consultation - Preliminary Design	2009-jun-30	
~~Public & Municipal Consultation - Detailed~~		~~2010-oct-31~~
Tolling Commencement Target Date		2012-dec-01
Substantial Completion Target Date		2013-dec-31
Total Completion Target Date		2014-nov-30
West		
Detailed Design	2008-dec-01	
Environmental Approval		2009-jun-01
Construction Start	2009-jun-01	
Substantial Completion Date - West		2013-dec-31
Central		
Detailed Design	2008-dec-01	
Environmental Approval		2009-jun-01
Construction Start	2009-mar-01	
New Port Mann Bridge		
Detailed Design	2008-dec-01	
Environmental Approval		2009-jun-01
NWPA / Fraser Port Authority Approvals		2009-jun-01
Construction Start	2009-feb-01	
East		
Detailed Design	2008-dec-01	
Environmental Approval		2009-jun-01
Construction Start	2009-mar-01	
Substantial Completion Date - East		2012-dec-31
Fraser Heights Connector		
Detailed Design	2009-mar-01	
Environmental Approval		2009-jun-01
Construction Start	2009-jul-01	
FHC Substantial Completion Target Date		2012-dec-31
FHC Total Completion Date		2013-dec-31

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-09-17 at 12:23 PM
Received:	2012-09-17 at 12:23 PM
Subject:	Re: s.17

Thomas,

I'm in the Okanagan all this week and will be reviewing next week so really don't know yet.

Will be in touch later next week.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Sunday, September 16, 2012 11:54 AM
To: Chapman, Rodney L TRAN:EX
Subject: Re: s.17
Â

Would you like to discuss this week or next in Victoria?

Â

From: Chapman, Rodney L TRAN:EX [mailto:Rodney.Chapman@gov.bc.ca]
Sent: Sunday, September 16, 2012 11:48 AM
To: Krikke, Thomas G
Subject: Re: s.17
Â

Thomas,

Thanks for the prompt reply and I will be reviewing next week.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 08:52 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17
Â

My response to question #2 below, same qualifications as previous email.

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Page 380 to/à Page 381

Withheld pursuant to/removed as

s.17

s.17

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All for now.

Â

Regards,

Rodney Chapman

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****
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E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-09-17 at 12:24 PM
Received:	2012-09-17 at 12:24 PM
Subject:	Fw: s.17

Pat,

Please print all off.

Txs,

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 10:37 PM
To: Chapman, Rodnev L TRAN:EX
Subject: RE: s.17
Â

Hello Rodney:Â response to question #9, same qualifications.Â TK

Â

Â

Â

Â

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

Â

s.17

Page 385

Withheld pursuant to/removed as

s.17

s.17

All for now.

Â

Regards,

Rodney Chapman

****
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E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-09-17 at 12:25 PM
Received:	2012-09-17 at 12:25 PM
Subject:	Fw: s.17
Attachments:	Fw: Yesterday RE: s.17

Pat,

Please print all off.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 10:44 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Hello Rodney: response to question #10, same qualifications. TK

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 389

Withheld pursuant to/removed as

s.17

s.17

The meeting did occur on Sep 6 in KFGP's office - there is some interesting feedback I received as well. The presentation of the meeting is attached.

There is another follow up meeting being schedule for Oct 3 . . . . please advise if you would like to be invited. Please see email attached. I have asked that we meet the day before to get our side aligned before the meeting, Charlie Firman is also attending.

We need to discuss this one as well please.

All for now.

Regards,

Rodney Chapman

****
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E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-09-17 at 12:26 PM
Received:	2012-09-17 at 12:26 PM
Subject:	Fw: s.17
Attachments:	Draw Request _38 Submitted (2 of 3).pdf

Pat,

Please print all off.

Txs,

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 10:54 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Hello Rodney: response to question #8, same qualifications. Sent in three emails due to size of attachment - DR38 sent in three parts. TK

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 393

Withheld pursuant to/removed as

s.17

s.17

All for now.

Regards,

Rodney Chapman

****
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****

Drainage

- Outfall #42 Phases 2-3 are ongoing
- Outfall #45 was completed
- Outfall #33 Phase 3 south of Highway 1 east of the 5901S EPS is ongoing



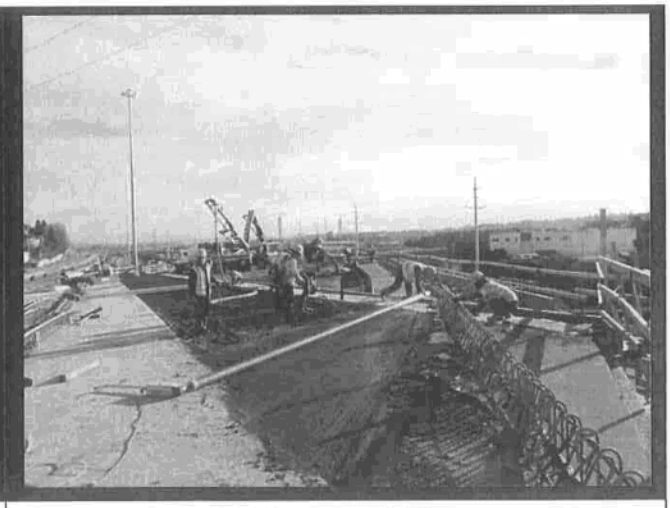
Outfall #45 at United and Taft

BRIDGES

- Bridge 1627 Demo Span 3
- Bridge 5905 Span 4, install overhangs; Span 7 remove towers; Pier 10 (Ph 3) erect shoring towers, form soffit, rebar; approach slab F/R/P coping
- Bridge 5910 place precast panels
- Bridge 5901pour approach slab



5910 Girders. Looking East



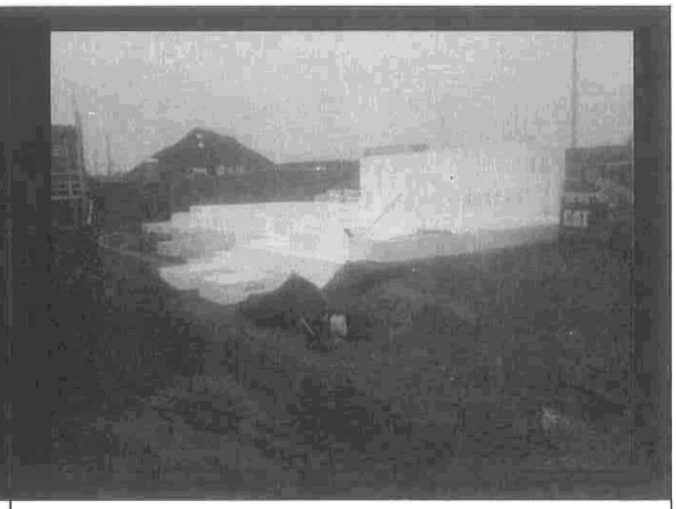
5901 Approach Slab Pour

EPS

- 5901S F/R/P LDS (east end), F/R/P moment slab
- 5906N Wrap EPS
- 5906S F/R/P footings, begin EPS install



5906 South EPS



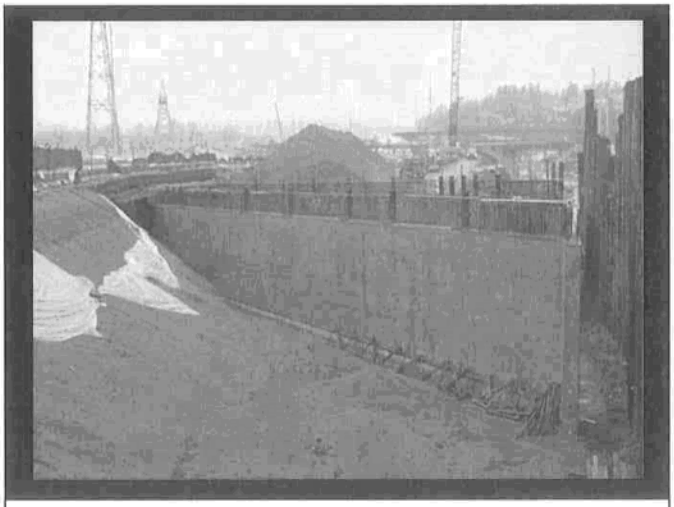
C69 (Terasen) EPS

CIP WALLS

- Wall 8340 Rework chip around anchor plates, dry-pack and re-tension anchors;
- Wall 8340 Panel 4,6: F/R/P Wall; Panel 2: F/R/P BIP, Wall; Panel 21,19: F/R/P BIP

TUNNELS

- Tunnel 5913 Install forms, rebar, pour south wall

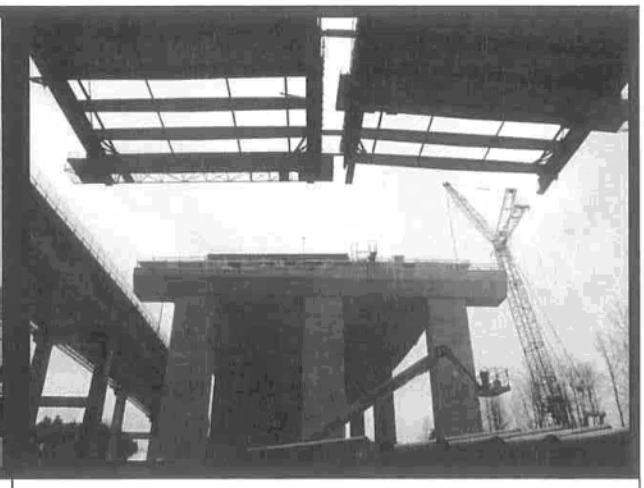


5913 South Wall

7.3 SEGMENT 3



Pier N2 – RipRap Installation Complete (FS4 Installed at N1 in Background)



Pier S1 – FS2 Installed

SOUTH APPROACH

- Expansion joint work on-going

MAIN SPAN

- N1 Deck steel 23ea field sections complete
- N1 Deck panels 396ea installed
- N1 94 stay cables installed
- S1 Deck steel 27ea field sections complete
- S1 Deck panels 468ea installed
- S1 106 stay cables installed

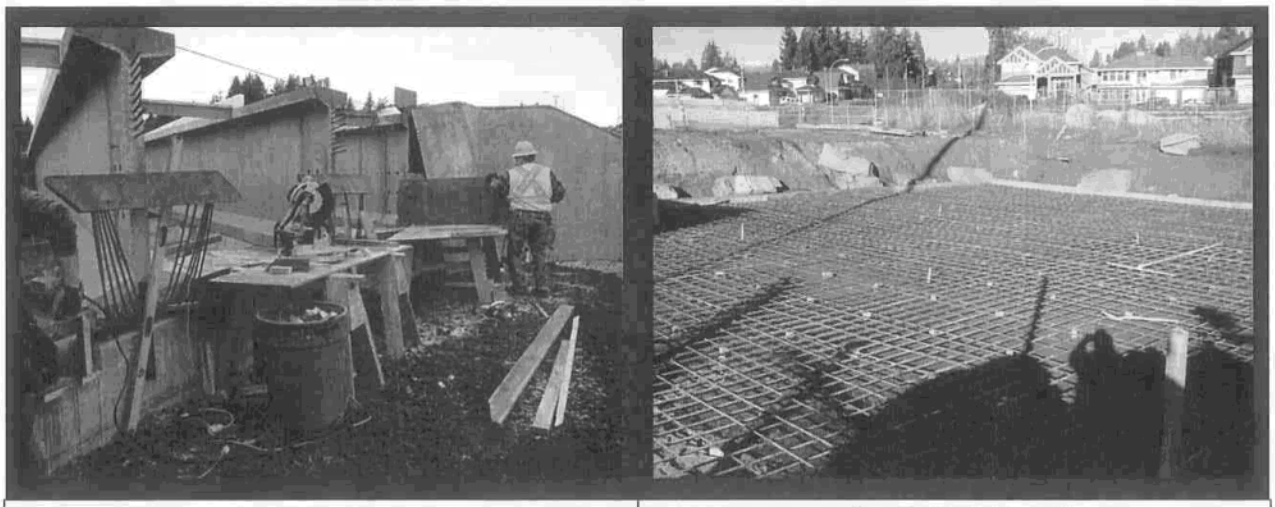
NORTH APPROACH

- N15-N14 Eastbound (PP-5) Barrier poured
- N2 Rip Rap installation complete
- Balanced-cantilever at N3 west (10/33ea erected) and centre (10/33ea erected) underway
- Link-slab work ongoing

PRECAST YARD

- 1113 Precast Segments Cast
  - 468 Span by span typical segments (complete)
  - 84 Span by span pier segments (complete)
  - 561 Balanced cantilever segments (62 remaining)

8.4 SEGMENT 4



160th : B5927 Diaphragm	*156th : 1243CL Friction Slab*

Earthworks / Walls

Work Complete

- PMB-152nd Exc. L2640 south of 152nd St Bridge

Work in progress

- PMB-152nd Bird land Cut
- PMB-152nd 115A Ave Preload
- 156th W1241CL
- 156th EMB L300 (WB lanes)
- 160th Excavation of WB Off-ramp L6125
- 160th Pumice at WB Off-ramp L6125
- 160th EMB 104th Jump Span
- 168th GEC : Ditching 174th to 182nd
- 176th EMB forL6240 WB On ramp
- 176th L6245 slopes and side walks
- 176th EMB for ED065
- 176th L6220 Annedale cut
- 176th L6223 – 97th A Cul-de-sac
- 176th & FHC L6200 & L6300
- FHC L6330 Abbey Dr. Cul-de-sac

Utilities & Electrical

Work Complete

- 176th Lighting install at 6132

Work in progress

- PMB-152nd Lighting installed at Dogwood wall
- PMB-152nd Johnson Hill ITS ongoing
- 152nd St South of Hwy 1– Light Bases, Conduits
- 156th E111 - Kinder Morgan line
- 152nd – 156th Mainline lighting
- 160th L6125 WB Off Ramp – Lighting and conduit

- 176th Lighting install at 6145
- 176th Barnston Area lighting
- 176th E57 BC Hydro Underground
- 176th South Intersection Signal
- 176th Mainline Bases and conduits

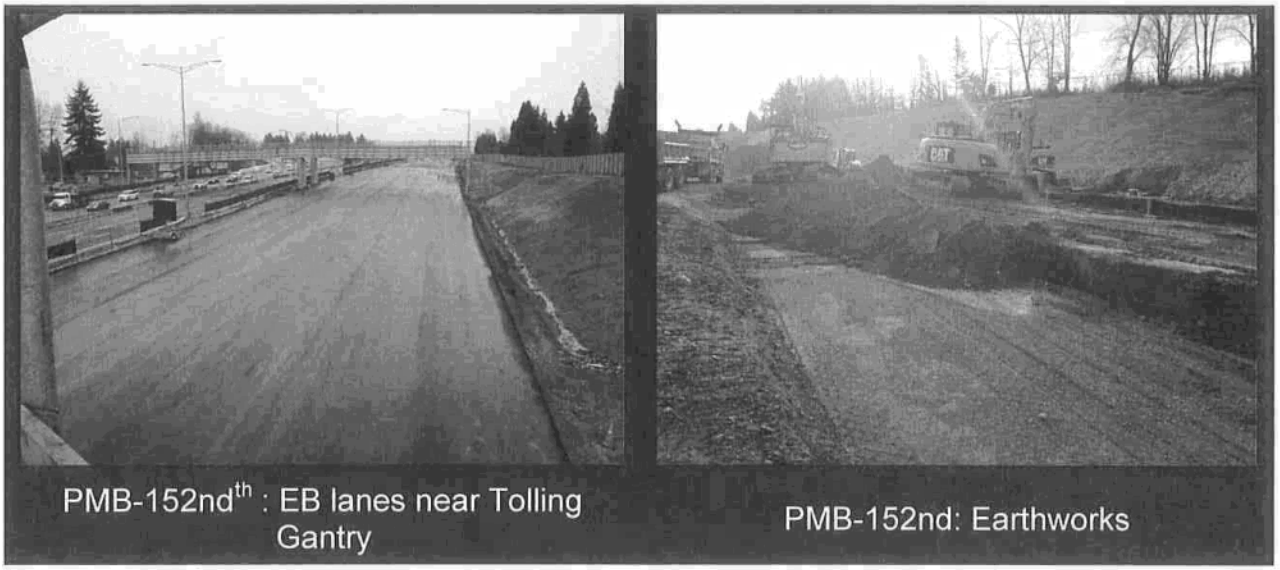
Structures

Work Complete

- 156th : Friction slab at 1243CL

Work in progress

- PMB-152nd Overhead tolling gantry – Punch list work
- PMB-152nd112Ave overpass
- PMB-152nd Roadside tolling facility – Punch List work
- 156th North east coping and had rail
- 160th B5927 – A0 diaphragm poured
- 160th B1652 & B2005 – Punch list work
- 176th B1651 & B5928 – Punch list work
- E1 & E2 Construction of various guide sign bases
- E1 Construction of Visual Screen #28



PMB-152ndth : EB lanes near Tolling Gantry

PMB-152nd: Earthworks

Roadwork

Work Complete

- PMB-152nd grading & paving ED013

Work in progress

- 176th grading and paving for ED-065
- E: GEC to 200th grading and paving
- E2 Dead lanes top lift paving EB & WB
- E2 192nd Median top lift EB and WB
- 176th Barnston Dr. West – Base lift Paved
- FHC SFPR grading and paving

Traffic and Detours

Work Complete

- PMB-152nd Construction of detour ED-013

Work in progress

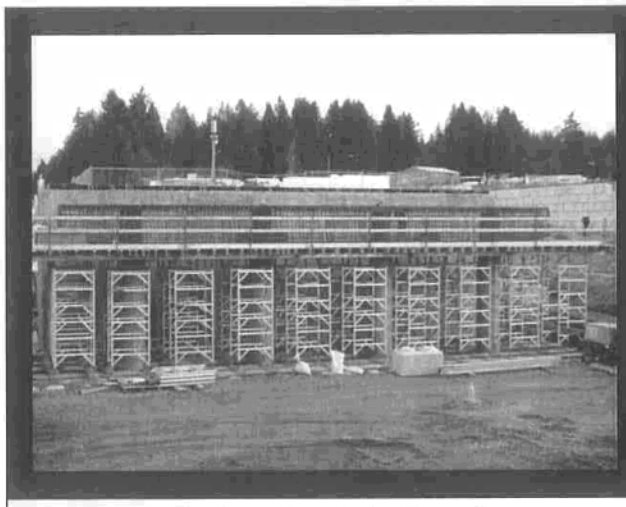
- PMB-152nd Construction of detour ED-055
- 176th Construction of ED-065
- E2 Construction of detour ED-027

Drainage & Compensation Channels

Work in progress

- PMB-152nd:Birdland drainage
- 156th Underpass: Drainage and Storm line
- 176th Abbey Dr. in progress
- E2 Latimer Creek culvert works
- E2 184th Mainline culvert boring
- E2 184th Storm line and Vortech installation
- E2 ED-079 Temp drainage installation

7.5 202 PNR



East Pier Cap – Rebar Formed



7751A – MSE Wall

Environmental

- Maintained temporary sediment measures in two areas of the job. Site bypass water pump was disconnected; storm water now runs through the completed 1350mm dia. storm pipe. No issues over this period

Earthworks

- Detail Excavation of MSE area
- Pumice section 95% complete
    - Pumice work is on hold until H piles from the previous 200th street bridge can be capped

Drainage

- Pipe Run B (Median Drainage)
- Installation of 1350mm dia drain pipe in pumice section of the median. Connection made between pumice section and Section 3 of the preload; now a continuous run
- Installed manholes and CB leads in this pipe run

Structures / Walls

- Bridge 7781E
    - Scaffold set up for pier cap around the west columns
    - East pier cap poured
    - West rebar installed
- EPS
    - 7751 – EPS 74% Complete
    - 7750 – EPS 72% Complete
- EPS Precast Panels
    - 7751 – Abutment panels set
    - 7750 – Abutment panels set
- 7751 MSE
    - Wire baskets 95% complete
    - Panels 65% complete

Traffic and Detours

- Closers put in place for the median excavation and material delivery

7.6 PIT PROCESSES



Pond widening in Area E	*Grading Area D waste for hydroseed*

- Strong Pit 1" (WGBC) production to date: , s.17,s.21 (including Brown Pit change order)
- Total Jackson Pit production: s.17,s.21 (Brown Pit change order material)
- Area E Strong Pit usage: s.17,s.21 (Brown Pit change order material)
- 1" (WGBC) Usage Strong Pit and Jackson Pit: s.17,s.21 to Segments 1, 2 and 4 (including Brown pit change order)
- Remaining stockpile of 1" at Strong Pit: s.17,s.21
- Quantity of waste at Strong / Lafarge Huntington Pit: s.17,s.21 of waste from Segments 1, 2 and 4
- Continued dumping waste in Areas B and E
- Excavated material to widen Area E retention ponds
- Continued 25mm processing in Area C
- Hydroseed boundary berm in Area B and waste fill in Area D

SECTION 8: CONTRACT ADMIN SUMMARY

Major Issues

Project Wide

- Brown Pit/ Strong Pit; Tracking & submitting of costs are ongoing per Part C for Unit Prices. Pricing of deferred items ongoing
- s.17

- Change to PST/HST Requirements; Awaiting government timeline on reinstating PST
- Guide sign fabrication has been, and continues to be, impacted by delays in obtaining drawings from the BC MOT sign shop

Segment 1

- Late Properties
  - BNSF properties between BNSF1 and North Rd Bridge – Part A received for property delays, K/F to submit Change Report, pricing ongoing. All related properties have been acquired as of March 8th, 2011
  - Kensington properties for 2012 environmental compensation build
- Delay – Substantial Completion Date from Project Schedule & Works Schedule is currently delayed
- TI Corp issued Part A for Cariboo road and overpass deletion; K/F to issue Preliminary Estimate.

Segment 2

- Metro Van Sewer Line C13; TI Corp made a second partial payment. Additional amounts are still outstanding.
- Kinder Morgan C75/C76; Additional KMC recoating work to C75/76 pipe has delayed DB Work. KMC is currently performing a design check on a revised stress analysis for C75/76 at K/F expense. If the design is not within KMC's parameters, the highway design will need to be revised
- KMC Preload CE-P5A/C Mitigation; K/F re-sequenced surcharge placement around the KMC pipeline in order to mitigate a portion of the C75/76 delay
- KMC / CP Rail crossing Permit; K/F submitted request for crossing agreement to KMC on behalf of CPR. CPR has not yet signed the Permit. K/F requested TI Corp settle the land swap negotiations between CPR and KMC
- s.17

- TI Corp provided K/F with a concept design for the Brunette South Interchange; K/F to investigate
- s.17

- Brunette North double right added scope of a second right turn lane (WB off ramp to SB Brunette). Issue is disputed
- CP Rail Sapperton Construction Agreement is still not executed
- Property Acquisition Saving at Translink received, revised Part A. K/F in the process of submitting Part B

Segment 3

- Cat III Check: Analyzing issue of extra costs & schedule impacts to determine course of action
- For the Pinnacle LTC Extension, K/F requested an LTC extension for the Pinnacle property
- Demo Existing Bridge (EA): TI Corp and K/F discussing our differing opinions of whether an EAC amendment is required

Segment 4

- Stockpiling at 160th Interchange; TI Corp direction to cease stockpiling will cause additional costs to the Project. K/F to provide additional information to TI Corp
- North Surrey Interceptor Line; GVRD requested access to relocate the existing sanitary line. TI Corp has been notified. K/F supplied design information to Metro Vancouver to further design efforts. Metro Van installed the perpendicular crossing section at the sewer interceptor
- Tolling Gantry and Interface; TIC design revisions and scope changes delayed completion dates for the new RTF and conduit installation work
- Latimer Creek Conflicts; Work for 202 has expanded beyond the limits agreed upon, and intrudes into Segment 4 work zones. This added 202 work of a below grade retention storage box near Latimer Creek creates staging and schedule conflicts with Segment 4 This issue will require additional coordination and re-sequencing of work by Segment 4

Kiewit FLATIRON general partnership

Draw Request
PORT MANN/HIGHWAY 1 PROJECT

Hub/Project Wide TI Corp Change Orders

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 028 S0 Brown Pit	s.17,s.21				
CC - 049 S0 Pedestrian Fences*					
CC - 053 S0 Brown Pit (09-11-01 thru 10-03-26)					
CC - 098 S0 Brown Pit (10-03-27 thru 10-06-26)					
CC - 100 S0 Brown Pit (10-06-27 thru 10-07-24)					
CC - 101 S0 Brown Pit (10-07-24 thru 10-08-29)					
CC - 096 School House Rent					
CC - 104 S0 Brown Pit (10-08-29 thru 10-09-25)					
CC - 107 Gravel Unit Pricing					
CC - 109 ITS Fibre Upgrade					
CC - 070A S0 PST Credit**					
Minor Works - Grandview Properties					
Subtotal					

Total Amount Billed This Period (Excluding H
Progress Not Billed

Hub Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

1/27/12
Date Reviewed

Kiewit FLATIRON general partnership

Draw Request

PORT MANN/HIGHWAY 1 PROJECT

Segment 1 TI Corp Change Orders

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 014 S1 Kensington Widening	s.17,s.21				
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 036 S1 Gaglardi Underpass					
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 057 S1 Manor Street Noise Wall					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 087 S1 Reconfiguring Cariboo					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 087 S1 Cariboo Force Account					
Design					
JV Fee					
Mark-up					
CC - 047 Contamination Grandview Properti					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
CC-0112B BNSF Gravel and Geogrid					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
Subtotal					

Total Amount Billed This Period (Excluding I

Progress Not Billed

Segment Reviewed

Kiewit FLATIRON general partnership

Draw Request
Port Mann/Highway 1 Project

Segment 2 TI Corp Change Orders

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 020 S2 GVRD C13 Pipe Material Only	s.17,s.21				
Materials					
CC - 021 S2 BCTC Wood to Steel Poles					
Work through March 18, 2010					
CC - 038 S2 Unforseeable Contamination					
Construction Tender and Directs					
Contingency, Profit and Overhead					
CC - 043 S2 Brunette Interchange					
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 052 S2 Barnes Wheaton					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
CC - 055 Terasen Gas C70 Temp Relocate					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Contingency, Profit and Overhead					
CC - 079 Colony Farm Credit					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Contingency, Profit and Overhead					
CC - 110 Wilson Farms (force account)					
CC - 0058 Commuter Cyclist Cape Horn					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Contingency, Profit and Overhead					
s.17					
Stage III Demolition (CPR Bridge)					
C25 (Water Main CoC)					
Additional Winter Dewatering/Treatment					
Staff Cost Estimating					
Winter Gravel					
CC-0125B Fortis BC Framework Change					
CC-0112B - BNSF #1 Properties Gravel					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Contingency, Profit and Overhead					
CC-0119 C-13 GVRD Sewer Betterment					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Credit for C13 Materials					
Contingency, Profit and Overhead					
Subtotal	Subtota				

Total Amount Billed This Period (Excluding	
Progress Not Billed	

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

2012-01-25.

Kiewit FLATIRON general partnership

Draw Request

PORT MANN/HIGHWAY 1 PROJECT

Segment 3 TI Corp Change Orders & Minor Works Billings

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 019 S3 Waterlot Development	s.17,s.21				
CC - 039 S3 Coke Property (2)					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 045 S3 Pinnacle Property					
CC - 080 S3 Expansion Joints					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
Minor Works - SFPR Pre-Load (1)					
Demo Environmental Assessment					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
Subtotal					

Total Amount Billed This Period (Excluding
Progress Not Billed

Segment Reviewed

Transportation Investment Corporation Authority

Kiewit-Flatiron General Partnership
Constructor

Jan. 24, 2012
Date Reviewed

Kiewit FLATIRON general partnership

Draw Request

PORT MANN/HIGHWAY 1 PROJECT

Segment 4 TI Corp Change Orders

CC-Number	Total C/O Amt	Progress To Date	Progress Previous	Progress Period	To be Billed
CC - 003 S4 Dogwood Trailer Park	s.17,s.21				
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 005 S4 Barnston					
Construction Tender and Directs					
Widening of bridge for sidewalk					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 016 S4 110th Transit Ramp					
CC - 023 S4 160th Avenue Off-Ramp					
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 027 S4 Fraser Heights Bridge					
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 042 S4 Korean Church Wall					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 059 S4 No Work East of 200 St					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 074 S4 112th Ave Pedestrian					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 075-1a S4 GEC Deletion 1a					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 075-1b S4 GEC Deletion 1b					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 075-1c S4 GEC Deletion 1c					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 081 - 110 Street Sound Wall					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 083 S4 Toll Gantry - Superpave					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 083 Toll Gantry - Force Account					
CC - 093 S4 Fraser Heights Changes					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
176th St and 96th Avenue					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
176th Properties					
CC - 0113 ITS Third Party Ducts					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
176th and 104th Remediation of Contami					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
CC - 047 Hazardous Building Material					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
CC - 047 Windsor Plywood					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
	Subtota				

Total Amount Billed This Period

Progress Not Billed

Segment Reviewed

Transportation Investment Corporation
Authority

JAN 26 | 12

Kiewit-Flatiron General Partnership
Constructor

Jan 26, 2011
Date Reviewed

Kiewit
FLATIRON
general partnership

Draw Request
PORT MANN/HIGHWAY 1 PROJECT

202 Change Order

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 076 S0 202 PNR LNTP	s.17,s.21				
Subtota					

Total Amount Billed This Period (Excluding
Progress Not Billed

Hub Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

Kiewit FLATIRON general partnership

Draw Request
PORT MANN/HIGHWAY 1 PROJECT

Hub/Project Wide TI Corp Change Orders

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 028 S0 Brown Pit	s.17,s.21				
CC - 049 S0 Pedestrian Fences*					
CC - 053 S0 Brown Pit (09-11-01 thru 10-03-26)					
CC - 098 S0 Brown Pit (10-03-27 thru 10-06-26)					
CC - 100 S0 Brown Pit (10-06-27 thru 10-07-24)					
CC - 101 S0 Brown Pit (10-07-24 thru 10-08-29)					
CC - 096 School House Rent					
CC - 104 S0 Brown Pit (10-08-29 thru 10-09-25)					
CC - 107 Gravel Unit Pricing					
CC - 109 ITS Fibre Upgrade					
CC - 070A S0 PST Credit**					
Minor Works - Grandview Properties					
Subtotal					

Total Amount Billed This Period (Excluding H
Progress Not Billed

Hub Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

Kiewit FLATIRON general partnership

Draw Request

PORT MANN/HIGHWAY 1 PROJECT

Segment 1 TI Corp Change Orders

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 014 S1 Kensington Widening	s.17,s.21				
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 036 S1 Gaglardi Underpass					
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 057 S1 Manor Street Noise Wall					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 087 S1 Reconfiguring Cariboo					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 087 S1 Cariboo Force Account					
Design					
JV Fee					
Mark-up					
CC - 047 Contamination Grandview Propert					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
CC-0112B BNSF Gravel and Geogrid					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
Subtota					

Total Amount Billed This Period (Excluding

Progress Not Billed

Segment Reviewed

Kiewit FLATIRON general partnership

Draw Request
PORT MANN/HIGHWAY 1 PROJECT

Segment 2 TI Corp Change Orders

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 020 S2 GVRD C13 Pipe Material Only	s.17,s.21				
Materials					
CC - 021 S2 BCTC Wood to Steel Poles					
Work through March 18, 2010					
CC - 038 S2 Unforseeable Contamination					
Construction Tender and Directs					
Contingency, Profit and Overhead					
CC - 043 S2 Brunette Interchange					
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 052 S2 Barnes Wheaton					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
CC - 055 Terasen Gas C70 Temp Relocate					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Contingency, Profit and Overhead					
CC - 079 Colony Farm Credit					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Contingency, Profit and Overhead					
CC - 110 Wilson Farms (force account)					
CC - 0058 Commuter Cyclist Cape Horn					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Contingency, Profit and Overhead					
s.17					
Stage III Demolition (CPR Bridge)					
C25 (Water Main CoC)					
Additional Winter Dewatering/Treatment					
Staff Cost Estimating					
Winter Gravel					
CC-0125B Fortis BC Framework Change					
CC-0112B - BNSF #1 Properties Gravel					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Contingency, Profit and Overhead					
CC-0119 C-13 GVRD Sewer Betterment					
Construction Tender and Directs					
Design & Design Coordination					
Indirects					
Credit for C13 Materials					
Contingency, Profit and Overhead					
Subtotal | Subtotal					

Total Amount Billed This Period (Excluding Progress Not Billed

Segment Reviewed

Transportation Investment Corporation Authority

Kiewit-Flatiron General Partnership Constructor

Date Reviewed

Kiewit FLATIRON general partnership

Draw Request

PORT MANN/HIGHWAY 1 PROJECT

Segment 3 TI Corp Change Orders & Minor Works Billings

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 019 S3 Waterlot Development	s.17,s.21				
CC - 039 S3 Coke Property (2)					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 045 S3 Pinnacle Property					
CC - 080 S3 Expansion Joints					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
Minor Works - SFPR Pre-Load (1)					
Demo Environmental Assessment					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
Subtotal					

Total Amount Billed This Period (Excluding H
Progress Not Billed

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

Kiewit FLATIRON
general partnership

Draw Request
PORT MANN/HIGHWAY 1 PROJECT

Segment 4 TI Corp Change Orders

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 003 S4 Dogwood Trailer Park	s.17,s.21				
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 005 S4 Barnston					
Construction Tender and Directs					
Widening of bridge for sidewalk					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 016 S4 110th Transit Ramp					
CC - 023 S4 160th Avenue Off-Ramp					
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 027 S4 Fraser Heights Bridge					
Construction Tender and Directs					
Design					
Contingency, Profit and Overhead					
CC - 042 S4 Korean Church Wall					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 059 S4 No Work East of 200 St					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 074 S4 112th Ave Pedestrian					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 075-1a S4 GEC Deletion 1a					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 075-1b S4 GEC Deletion 1b					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 075-1c S4 GEC Deletion 1c					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 081 - 110 Street Sound Wall					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 083 S4 Toll Gantry - Superpave					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
CC - 083 Toll Gantry - Force Account					
CC - 093 S4 Fraser Heights Changes					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
176th St and 96th Avenue					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
176th Properties					
CC - 0113 ITS Third Party Ducts					
Construction Tender and Directs					
Design					
Indirects					
Contingency, Profit and Overhead					
176th and 104th Remediation of Contar					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
CC - 047 Hazardous Building Material					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
CC - 047 Windsor Plywood					
Construction Tender and Directs					
Indirects					
Contingency, Profit and Overhead					
Subtotal					

Total Amount Billed This Period
Progress Not Billed

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

Kiewit FLATIRON general partnership

Port Mann / Highway 1 Project **Draw Request Back-up for Invoice #38 Total Project**

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.00	**Mobilization & Demobilization**	LS	s.17,s.21	1.00	s.17,s.21						
	Hub and Segment Offices Mob and Demob										
2.00	**Design Fees**	LS		1.00							
	Detailed Design & Construction Support										
3.00	**Maintenance of Traffic**	LS		1.00							
	Traffic Control, Traffic Devices, and Detours										
4.00	**On Shore Demo and Removals**	LS		1.00							
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.00	**Excavation and Embankment**	LS		1.00							
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.00	**Walls**	LS		1.00							
	Anchor, CIP, MSE, EPS Walls										
7.00	**Environmental**	LS		1.00							
	Construction & Maintenance of Controls										
8.00	**Drainage**	LS		1.00							
	Culverts, Catch Basins, Water, Sewer										
9.00	**Utility Relocations**	LS		1.00							
	Relocate & Protect Utilities										
10.00	**Processing**	LS		1.00							
	Pit Development & Material Processing										
11.00	**On Shore Structures**	LS		1.00							
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.00	**Subbase/Base & Paving**	LS		1.00							
	Place & Compact Base & Subbase, AC Paving										
13.00	**Finishing**	LS		1.00							
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.00	**Quality Control & Survey**	LS		1.00							
	QC Laboratories & Survey										
15.00	**PMB Foundations**	LS		1.00							
	Exc, Piles & Shaft, Rebar, Rip rap										
16.00	**PMB Substructure**	LS		1.00							
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.00	**PMB Superstructure**	LS		1.00							
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.00	**PMB Marine Access**	LS		1.00							
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.00	**PMB Demo**	LS		1.00							
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL PROJECT										

Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

27 JAN 2012
Date Reviewed

Kiewit FLATIRON general partnership

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38 HUB Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.00	**Mobilization & Demobilization**	LS	s.17,s.21	1.00	s.17,s.21						
	Hub and Segment Offices Mob and Demob										
2.00	**Design Fees**	LS		1.00							
	Detailed Design & Construction Support										
3.00	**Maintenance of Traffic**	LS		1.00							
	Traffic Control, Traffic Devices, and Detours										
4.00	**On Shore Demo and Removals**	LS		1.00							
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.00	**Excavation and Embankment**	LS		1.00							
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.00	**Walls**	LS		1.00							
	Anchor, CIP, MSE, EPS Walls										
7.00	**Environmental**	LS		1.00							
	Construction & Maintenance of Controls										
8.00	**Drainage**	LS		1.00							
	Culverts, Catch Basins, Water, Sewer										
9.00	**Utility Relocations**	LS		1.00							
	Relocate & Protect Utilities										
10.00	**Processing**	LS		1.00							
	Pit Development & Material Processing										
11.00	**On Shore Structures**	LS		1.00							
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.00	**Subbase/Base & Paving**	LS		1.00							
	Place & Compact Base & Subbase, AC Paving										
13.00	**Finishing**	LS		1.00							
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.00	**Quality Control & Survey**	LS		1.00							
	QC Laboratories & Survey										
15.00	**PMB Foundations**	LS		1.00							
	Exc, Piles & Shaft, Rebar, Rip rap										
16.00	**PMB Substructure**	LS		1.00							
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.00	**PMB Superstructure**	LS		1.00							
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.00	**PMB Marine Access**	LS		1.00							
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.00	**PMB Demo**	LS		1.00							
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL HUB										

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

Kiewit

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38S1 Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.0	**Mobilization & Demobilization**	LS	s.17,s.21	1.00	s.17,s.21						
	Hub and Segment Offices Mob and Demob										
2.0	**Design Fees**	LS		1.00							
	Detailed Design & Construction Support										
3.0	**Maintenance of Traffic**	LS		1.00							
	Traffic Control, Traffic Devices, and Detours										
4.0	**On Shore Demo and Removals**	LS		1.00							
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.0	**Excavation and Embankment**	LS		1.00							
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.0	**Walls**	LS		1.00							
	Anchor, CIP, MSE, EPS Walls										
7.0	**Environmental**	LS		1.00							
	Construction & Maintenance of Controls										
8.0	**Drainage**	LS		1.00							
	Culverts, Catch Basins, Water, Sewer										
9.0	**Utility Relocations**	LS		1.00							
	Relocate & Protect Utilities										
10.0	**Processing**	LS		1.00							
	Pit Development & Material Processing										
11.0	**On Shore Structures**	LS		1.00							
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.0	**Subbase/Base & Paving**	LS		1.00							
	Place & Compact Base & Subbase, AC Paving										
13.0	**Finishing**	LS		1.00							
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.0	**Quality Control & Survey**	LS		1.00							
	QC Laboratories & Survey										
15.0	**PMB Foundations**	LS		1.00							
	Exc, Piles & Shaft, Rebar, Rip rap										
16.0	**PMB Substructure**	LS		1.00							
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.0	**PMB Superstructure**	LS		1.00							
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.0	**PMB Marine Access**	LS		1.00							
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.0	**PMB Demo**	LS		1.00							
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL S1										

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

JAN 26 2012
Date Reviewed

Kiewit
FLATIRON
general partners

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38S2 Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.00	**Mobilization & Demobilization**	LS	s.17,s.21	1.00	s.17,s.21						
	Hub and Segment Offices Mob and Demob										
2.00	**Design Fees**	LS		1.00							
	Detailed Design & Construction Support										
3.00	**Maintenance of Traffic**	LS		1.00							
	Traffic Control, Traffic Devices, and Detours										
4.00	**On Shore Demo and Removals**	LS		1.00							
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.00	**Excavation and Embankment**	LS		1.00							
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.00	**Walls**	LS		1.00							
	Anchor, CIP, MSE, EPS Walls										
7.00	**Environmental**	LS		1.00							
	Construction & Maintenance of Controls										
8.00	**Drainage**	LS		1.00							
	Culverts, Catch Basins, Water, Sewer										
9.00	**Utility Relocations**	LS		1.00							
	Relocate & Protect Utilities										
10.00	**Processing**	LS		1.00							
	Pit Development & Material Processing										
11.00	**On Shore Structures**	LS		1.00							
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.00	**Subbase/Base & Paving**	LS		1.00							
	Place & Compact Base & Subbase, AC Paving										
13.00	**Finishing**	LS		1.00							
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.00	**Quality Control & Survey**	LS		1.00							
	QC Laboratories & Survey										
15.00	**PMB Foundations**	LS		1.00							
	Exc, Piles & Shaft, Rebar, Rip rap										
16.00	**PMB Substructure**	LS		1.00							
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.00	**PMB Superstructure**	LS		1.00							
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.00	**PMB Marine Access**	LS		1.00							
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.00	**PMB Demo**	LS		1.00							
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL S2										

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

2012-01-25
Date Reviewed

Kiewit FLATIRON general partnership

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38S3 Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.00	**Mobilization & Demobilization**	LS	s.17,s.21	1.00	s.17,s.21						
	Hub and Segment Offices Mob and Demob										
2.00	**Design Fees**	LS		1.00							
	Detailed Design & Construction Support										
3.00	**Maintenance of Traffic**	LS		1.00							
	Traffic Control, Traffic Devices, and Detours										
4.00	**On Shore Demo and Removals**	LS		1.00							
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.00	**Excavation and Embankment**	LS		1.00							
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.00	**Walls**	LS		1.00							
	Anchor, CIP, MSE, EPS Walls										
7.00	**Environmental**	LS		1.00							
	Construction & Maintenance of Controls										
8.00	**Drainage**	LS		1.00							
	Culverts, Catch Basins, Water, Sewer										
9.00	**Utility Relocations**	LS		1.00							
	Relocate & Protect Utilities										
10.00	**Processing**	LS		1.00							
	Pit Development & Material Processing										
11.00	**On Shore Structures**	LS		1.00							
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.00	**Subbase/Base & Paving**	LS		1.00							
	Place & Compact Base & Subbase, AC Paving										
13.00	**Finishing**	LS		1.00							
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.00	**Quality Control & Survey**	LS		1.00							
	QC Laboratories & Survey										
15.00	**PMB Foundations**	LS		1.00							
	Exc, Piles & Shaft, Rebar, Rip rap										
16.00	**PMB Substructure**	LS		1.00							
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.00	**PMB Superstructure**	LS		1.00							
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.00	**PMB Marine Access**	LS		1.00							
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.00	**PMB Demo**	LS		1.00							
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL S3										

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Jan 23rd '12
Date Reviewed

Kiewit FLATIRON general partnership

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38S4 Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.00	**Mobilization & Demobilization**	LS	s.17,s.21	1.00	s.17,s.21						
	Hub and Segment Offices Mob and Demob										
2.00	**Design Fees**	LS		1.00							
	Detailed Design & Construction Support										
3.00	**Maintenance of Traffic**	LS		1.00							
	Traffic Control, Traffic Devices, and Detours										
4.00	**On Shore Demo and Removals**	LS		1.00							
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.00	**Excavation and Embankment**	LS		1.00							
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.00	**Walls**	LS		1.00							
	Anchor, CIP, MSE, EPS Walls										
7.00	**Environmental**	LS		1.00							
	Construction & Maintenance of Controls										
8.00	**Drainage**	LS		1.00							
	Culverts, Catch Basins, Water, Sewer										
9.00	**Utility Relocations**	LS		1.00							
	Relocate & Protect Utilities										
10.00	**Processing**	LS		1.00							
	Pit Development & Material Processing										
11.00	**On Shore Structures**	LS		1.00							
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.00	**Subbase/Base & Paving**	LS		1.00							
	Place & Compact Base & Subbase, AC Paving										
13.00	**Finishing**	LS		1.00							
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.00	**Quality Control & Survey**	LS		1.00							
	QC Laboratories & Survey										
15.00	**PMB Foundations**	LS		1.00							
	Exc, Piles & Shaft, Rebar, Rip rap										
16.00	**PMB Substructure**	LS		1.00							
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.00	**PMB Superstructure**	LS		1.00							
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.00	**PMB Marine Access**	LS		1.00							
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.00	**PMB Demo**	LS		1.00							
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL S4										

Segment Reviewed

JAN 26 /2012

Transportation Investment Corporation Authority

Kiewit-Flatiron General Partnership Constructor

JAN 26, 2012
Date Reviewed

Kiewit FLATIRON general partnership

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38 HUB Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.00	**Mobilization & Demobilization**	LS	s.17,s.21	1.00	s.17,s.21						
	Hub and Segment Offices Mob and Demob										
2.00	**Design Fees**	LS		1.00							
	Detailed Design & Construction Support										
3.00	**Maintenance of Traffic**	LS		1.00							
	Traffic Control, Traffic Devices, and Detours										
4.00	**On Shore Demo and Removals**	LS		1.00							
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.00	**Excavation and Embankment**	LS		1.00							
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.00	**Walls**	LS		1.00							
	Anchor, CIP, MSE, EPS Walls										
7.00	**Environmental**	LS		1.00							
	Construction & Maintenance of Controls										
8.00	**Drainage**	LS		1.00							
	Culverts, Catch Basins, Water, Sewer										
9.00	**Utility Relocations**	LS		1.00							
	Relocate & Protect Utilities										
10.00	**Processing**	LS		1.00							
	Pit Development & Material Processing										
11.00	**On Shore Structures**	LS		1.00							
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.00	**Subbase/Base & Paving**	LS		1.00							
	Place & Compact Base & Subbase, AC Paving										
13.00	**Finishing**	LS		1.00							
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.00	**Quality Control & Survey**	LS		1.00							
	QC Laboratories & Survey										
15.00	**PMB Foundations**	LS		1.00							
	Exc, Piles & Shaft, Rebar, Rip rap										
16.00	**PMB Substructure**	LS		1.00							
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.00	**PMB Superstructure**	LS		1.00							
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.00	**PMB Marine Access**	LS		1.00							
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.00	**PMB Demo**	LS		1.00							
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL HUB										

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

Kiewit FLATIRON general partnership

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38S1 Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.0	Mobilization & Demobilization	LS	s.17,s.21	1.00	s.17,s.21						
	Hub and Segment Offices Mob and Demob										
2.0	Design Fees	LS		1.00							
	Detailed Design & Construction Support										
3.0	Maintenance of Traffic	LS		1.00							
	Traffic Control, Traffic Devices, and Detours										
4.0	On Shore Demo and Removals	LS		1.00							
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.0	Excavation and Embankment	LS		1.00							
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.0	Walls	LS		1.00							
	Anchor, CIP, MSE, EPS Walls										
7.0	Environmental	LS		1.00							
	Construction & Maintenance of Controls										
8.0	Drainage	LS		1.00							
	Culverts, Catch Basins, Water, Sewer										
9.0	Utility Relocations	LS		1.00							
	Relocate & Protect Utilities										
10.0	Processing	LS		1.00							
	Pit Development & Material Processing										
11.0	On Shore Structures	LS		1.00							
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.0	Subbase/Base & Paving	LS		1.00							
	Place & Compact Base & Subbase, AC Paving										
13.0	Finishing	LS		1.00							
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.0	Quality Control & Survey	LS		1.00							
	QC Laboratories & Survey										
15.0	PMB Foundations	LS		1.00							
	Exc, Piles & Shaft, Rebar, Rip rap										
16.0	PMB Substructure	LS		1.00							
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.0	PMB Superstructure	LS		1.00							
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.0	PMB Marine Access	LS		1.00							
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.0	PMB Demo	LS		1.00							
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL S1										

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

Kiewit
FLATIRON
general partners

Port Mann / Highway 1 ProjectDraw Request Back-up for Invoice #38S2 Summary

Item #	Description of Work	Unit of Measure	Unit Price	Quantity	Total Price	Complete			Submitted for Payment		
						To Date	Previous	This Period	To Date	Previous	This Period
1.00	**Mobilization & Demobilization**	LS	s.17,s.21	1.00	s.17,s.21						
	Hub and Segment Offices Mob and Demob										
2.00	**Design Fees**	LS		1.00							
	Detailed Design & Construction Support										
3.00	**Maintenance of Traffic**	LS		1.00							
	Traffic Control, Traffic Devices, and Detours										
4.00	**On Shore Demo and Removals**	LS		1.00							
	Bridge, Wall, Building, Culvert, Barrier Demo & Removal										
5.00	**Excavation and Embankment**	LS		1.00							
	Clear & Grub, Stripping, Common Exc, Surcharge, Fill										
6.00	**Walls**	LS		1.00							
	Anchor, CIP, MSE, EPS Walls										
7.00	**Environmental**	LS		1.00							
	Construction & Maintenance of Controls										
8.00	**Drainage**	LS		1.00							
	Culverts, Catch Basins, Water, Sewer										
9.00	**Utility Relocations**	LS		1.00							
	Relocate & Protect Utilities										
10.00	**Processing**	LS		1.00							
	Pit Development & Material Processing										
11.00	**On Shore Structures**	LS		1.00							
	Foundation, Substructure, Superstructure, Finish, Rehab										
12.00	**Subbase/Base & Paving**	LS		1.00							
	Place & Compact Base & Subbase, AC Paving										
13.00	**Finishing**	LS		1.00							
	Landscaping, Lights, Signs, Barriers, ITS, Striping										
14.00	**Quality Control & Survey**	LS		1.00							
	QC Laboratories & Survey										
15.00	**PMB Foundations**	LS		1.00							
	Exc, Piles & Shaft, Rebar, Rip rap										
16.00	**PMB Substructure**	LS		1.00							
	Towers, Columns, Rebar, Seismic Monitoring, Elevators										
17.00	**PMB Superstructure**	LS		1.00							
	Furnish & Erect PC Segments, Deck, Cables, Parapets										
18.00	**PMB Marine Access**	LS		1.00							
	Work Trestle, Access Dredging, Docks, Tugs, Barges										
19.00	**PMB Demo**	LS		1.00							
	Remove Towers & Spans, Demo Deck & Substructure										
	TOTAL S2										

Segment Reviewed

Transportation Investment Corporation
Authority

Kiewit-Flatiron General Partnership
Constructor

Date Reviewed

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-09-17 at 12:26 PM
Received:	2012-09-17 at 12:26 PM
Subject:	Fw: s.17
Attachments:	Draw Request _38 Submitted (1 of 3).pdf

Pat,

Please print all off.

Txs,

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 10:50 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

Hello Rodney: response to question #8, same qualifications. Sent in three emails due to size of attachment - DR38 sent in three parts. TK

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 427

Withheld pursuant to/removed as

s.17

s.17

All for now.

Regards,

Rodney Chapman

****
Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
be incorrect or incomplete or should the law or its interpretation change, our advice may be

inappropriate. We are not responsible for updating our advice for changes in law or interpretation after the date hereof. The advice or other information provided herein is
confidential and may be privileged and is for the sole use of KPMG's client. The advice is based
on the specific facts and circumstances and the scope of KPMG's engagement and associated
terms of engagement as the case may be and is not intended to be relied upon by any other person.
KPMG disclaims any responsibility or liability for any reliance that any person other than
the client may place on this advice. If you are not the intended recipient, any disclosure,
copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.
****

Kiewit
FLATIRON
general partnership

January 27th, 2012

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
Suite 201-145 Schoolhouse Street
Coquitlam, BC, V3K 4X8

Attention: **Mr. Gary Webster**
Facsimile No.: 604-775-1143

Dear Sirs:

Re: Design Build Agreement dated as of March 17, 2009 between Transportation Investment Corporation (the "**Authority**") and Kiewit/Flatiron, General Partnership (the "**Constructor**") (as amended, modified, supplemented and restated from time to time, the "**DB Agreement**")

And Re: Monthly Draw Request under the DB Agreement

This letter, together with the attached documents, constitutes the Constructor's monthly Draw Request for payment in the amount of s.17,s.21 for work performed for the period beginning December 25th, 2011 and ending January 21st, 2012.

Capitalized terms used and not defined shall have the meanings given to them as defined in the DB Agreement. "**Disclosed**" means disclosed to the Authority in writing prior to the date hereof or specifically set out in the attached documents with a reference to the applicable Section of this Draw Request.

The Constructor is familiar with and has examined the provisions of the DB Agreement. As of the date hereof, the Constructor hereby represents, warrants and certifies to the Authority that:

1. The Constructor is unaware, having made all reasonable enquiries, of any environmental matter which has or could reasonably be expected to:

   (a) materially and adversely affect or impair the ability of the Constructor to perform its obligations under the DB Agreement;

   (b) materially and adversely affect or impair the DB Work; or

   (c) result in the occurrence of a Constructor Default by the Constructor under the DB Agreement;

   and which has not been Disclosed.

2. The Constructor has sufficient title to all assets necessary from time to time to implement the DB Work in accordance with the DB Agreement.

3. There are no leases, licences, restrictions, covenants, easements or other rights affecting the DB Work, except as Disclosed, which will or may prevent, hinder or delay in any material respect the carrying out of the DB Work.

4. The Constructor has or will have available to it as and when required all of the Permits which are necessary to carry out the DB Work.

5. The Constructor has the right to use, or has entered into a binding agreement under which it will acquire or have the right to use, all Intellectual Property Rights necessary for it to perform its obligations under the DB Agreement and no third party has asserted any adverse claim to any such Intellectual Property Rights.

6. To the best of the Constructor's knowledge (after all due enquiry), no Intellectual Property Right owned by the Constructor or any third party and necessary for the Constructor to perform its obligations under the DB Agreement is being infringed, nor is there any threatened infringement of any such Intellectual Property Right.

7. The Constructor has taken all formal and procedural actions (including payment of fees) required to maintain any material Intellectual Property Rights owned by the Constructor.

8. The Constructor is in compliance in all material respects with the provisions of the DB Agreement.

9. The DB Work has progressed to the point indicated in the attached documents and meets or is ahead of the progress required pursuant to Schedule 3 [Project Schedule] of the DB Agreement or any submitted Late Completion Plan or Reinstatement Plan, except as Disclosed.

10. The itemized costs, fees and taxes detailed in the attached documents have been properly expended and the amount requested to be drawn by this Draw Request is for payment for the cost of work actually performed by the Constructor.

11. The DB Work carried out to the date of this Draw Request is in accordance with the Constructor's obligations under the DB Agreement.

12. All of the Constructor's Subcontractors have been paid in full all amounts which are due and owing as of the pay period immediately preceding the date of this Draw Request except for holdbacks required to be made by the Constructor under the DB Agreement and pursuant to the *Builders Lien Act* (British Columbia), if applicable.

13. Except as Disclosed, no Adverse Claims exist against the DB Work.

14. The Constructor is entitled to payment in the amount requested in this Draw Request.

15. No Constructor Default has occurred which is continuing.

16. Except as Disclosed, no event or circumstance exists which has materially and adversely affected or impaired, or could reasonably be expected to materially and adversely affect or impair:

    (a) the ability of the Constructor to perform the DB Work; or

    (b) the ability of either Guarantor to perform its obligations under its respective Guarantee.

This Draw Request is made subject to and in accordance with the terms and conditions of the DB Agreement.

EXECUTED AND DELIVERED as of the date first written above.

KIEWIT/FLATIRON, GENERAL PARTNERSHIP
by its managing partner:

PETER KIEWIT SONS CO.

By: _____
FOR

Name: W. H. (Bill) Murphy
Title: Project Director

INVOICE

KIEWIT/FLATIRON GENERAL PARTNERSHIP

Suite 1410, 111 West Georgia Street
Vancouver, B.C. V6E 4M3
Tel: (604) 629-5419 Fax (604) 629-0310

INVOICE NO: **ESTIMATE NO. 38**
Co. 476 Job 1265
Date: January 21, 2011

Sold to:
Transportation Investment Corporation
Suite 1420, 1111 West Georgia Street
Vancouver, B.C.
V6E 4M3
Attention:Gary Webster

Please remit to: Suite 1410, 1111 W. Georgia Street
Vancouver, B.C. V6E 4M3

H.S.T. # R10416 0718

Item #	Description	Quantity	Unit	Unit Price	T	Amount
	Port Mann Highway 1					
1	Contract billed as of January 21, 2011 Amount previously billed	1	LS			s.17,s.21
				Subtotal		
2	Change Orders up to January 21, 2011 (Excluding CC-086) Amount previously billed	1	LS			
				Subtotal		

Fiscal	Annual Fiscal Allocation	Accumulated Max
2008-09	s.17,s.21	
2009-10		
2010-11		
2011-12		
2012-13		
2013-14		
2014-15		

CREDIT: CODE $$

SUB-TOTAL s.17,s.21

H.S.T. @ 12% (CC-086)*

H.S.T.

TOTAL AMOUNT DUE:

CC:

Terms:

** Not applicable

DO NOT TYPE OR WRITE BELOW THIS LINE

CO Location	Source Description	S.S. #	AMOUNT	dist | type	d-x	A/R Location Job/Acct	O.H Dist | P | L
c.c. Ed Pietraszek							

INVOICE

KIEWIT/FLATIRON GENERAL PARTNERSHIP

PHASE 1

Suite 1410, 111 West Georgia Street
Vancouver, B.C. V6E 4M3
Tel: (604) 629-5419 Fax (604) 629-0310

INVOICE NO: **ESTIMATE NO. 18**
Co. 476 Job 14600
Date: JANUARY 21, 2012

Sold to:
Transportation Investment Corporation
Suite 1420, 1111 West Georgia Street
Vancouver, B.C.
V6E 4M3
Attention:Gary Webster

Please remit to: Suite 1410, 1111 W. Georgia Street Vancouver, B.C. V6E 4M3

G.S.T. #: R10416 0718

Item #	Description	Quantity	Unit	Unit Price	T	Amount
	202 ST BRT PROJECT					
1	Contract earned as of January 21, 2012 Journals 516 - 540 s.21	1	LS			s.21
	Total Current Contract Revenue					
	Previously Invoiced					
	Invoiced Todate					
	Current Month Billing					

CREDIT: CODE $$

SUB-TOTAL

H.S.T. @ 12%

G.S.T.

CC:

TOTAL AMOUNT DUE:

Terms:

** Not applicable E = Exempt

DO NOT TYPE OR WRITE BELOW THIS LINE

CO Location	Source Description	S.S. #	AMOUNT	dist | type	d-x	A/R Location Job/Acct	O.H Dist | P | L

Kiewit
FLATIRON
general partnership

Draw Request

PORT MANN/HIGHWAY 1 PROJECT

Draw Request # 38

Project # 1265 Port Mann/Highway 1 Project

Attn: Gary Webster

Billing For: Month ofJanuary

For the Period Ending: **January 21, 2012** **GST #: R104160718**

We, Kiewit/Flatiron, General Partnership, request payment in accordance with the Maximum Payment Curve.

s.17

Maximum Payment Curve up to March 31, 2012 - *Base Contract*:
Maximum Payment Curve up to March 31, 2012 - *Approved CO's & Minor Works (Excl HST)*:

Maximum Payment Curve up to March 31, 2012 - *Approved Change Order (HST only)*:

Actual progress to date - *Base Contract*:
Actual progress to date - *Approved CO & Minor Works (excluding HST)*:
Actual progress to date - *Approved Change Orders (HST only)*:

Payments previously billed - *Base Contract*:
Payments previously billed - *Approved CO & Minor Works (excluding HST)*
Payments previously billed - *Approved Change Orders (HST only)*:

Total Due

Amount Billed
Progress Not Billed

Kiewit FLATIRON

Draw Request

PORT MANN/HIGHWAY 1 PROJECT

TI Corp Change Orders & Minor Works

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 003 S4 Dogwood Trailer Park	s.17,s.21				
CC - 005 S4 Barnston					
CC - 014 S1 Kensington Widening					
CC - 016 S4 110th Transit Ramp					
CC - 019 S3 Waterlot Development					
CC - 020 S2 GVRD C13 Pipe Material Only					
CC - 021 S2 BCTC Wood to Steel Poles					
CC - 023 S4 160th Avenue Off-Ramp					
CC - 027 S4 Fraser Heights Bridge					
CC - 028 S0 Brown Pit					
CC - 038 S2 Unforseeable Contamination					
CC - 036 S1 Gaglardi Underpass					
CC - 039 S3 Coke Property					
CC - 042 S4 Korean Church Wall					
CC - 043 S2 Brunette Interchange					
CC - 045 S3 Pinnacle Property					
CC - 047 Hazardous Building Material Clean Up					
CC - 049 S0 Pedestrian Fences					
CC - 052 S2 Barnes Wheaton					
CC - 053 S0 Brown Pit (09-11-01 thru 10-03-26)					
CC - 055 Terasen Gas C70 Temp Relocate					
CC - 057 S1 Manor Street Noise Wall					
CC - 0058B Commuter Cyclist Cape Horn					
CC - 059 S4 No Work East of 200 St					
CC - 074 S4 112th Ave Pedestrian					
CC - 076 - 202 PNR LNTP					
CC - 070A - PST Credit**					
CC - 075-1a S4 GEC Deletion 1a					
CC - 075-1b S4 GEC Deletion 1b					
CC - 075-1c S4 GEC Deletion 1c					
CC - 079 Colony Farm Credit					
CC - 081 - 110 Street Sound Wall					
CC - 083 S4 Toll Gantry - Superpave					
CC - 083 Toll Gantry - Force Account					
CC - 098 S0 Brown Pit (10-03-27 thru 10-06-26)					
CC - 096 School House Rent					

Kiewit FLATIRON

Draw Request

PORT MANN/HIGHWAY 1 PROJECT

TI Corp Change Orders & Minor Works

CC-Number	Total C/O Amt	Progress			To be Billed
		To Date	Previous	Period	
CC - 080 S3 Expansion Joints*	s.17,s.21				
CC - 087 S1 Reconfiguring Cariboo					
CC - 087 S1 Cariboo Force Account					
CC - 091 S4 176th St & 96th Ave					
CC - 093 S4 Fraser Heights Changes					
CC - 100 S0 Brown Pit (10-06-27 thru 10-07-24)					
CC - 101 S0 Brown Pit (10-07-24 thru 10-08-29)					
CC - 104 S0 Brown Pit (10-08-29 thru 10-09-25)					
CC - 107 Gravel Unit Pricing					
CC - 109 ITS Fibre Upgrade					
CC - 110 Wilson Farms (force account)					
CC-0112B - BNSF #1 Properties Gravel					
CC - 0113 ITS Third Party Ducts					
CC-0119 C-13 GVRD Sewer Betterment					
CC-0125B Fortis BC Framework Change					
CC - 0129 Acceleration Measures					
Minor Works - SFPR Pre-Load (1)					
Minor Works - 176th Properties					
Minor Works - Grandview Properties					
Minor Works - Remediation of Contamination					
Demo Environmental Assessment					
Subtotal					
CC - 086 - HST from July 1, 2010					
Grand Total					

Grand Total Amount Billed This Period

Progress Not Billed

Kiewit
FLATIRON
general partnership

1. Our segment is unaware, having made all reasonable enquiries, of any environmental matter which has or could reasonably be expected to materially and adversely affect or impair the ability of our segment to perform its obligations under the DB Agreement or result in a Constructor Default which has not been Disclosed.

2. There are no leases, licences, restrictions, covenants, easements or other rights affecting the DB Work on our segment, except as Disclosed, which will or may prevent, hinder or delay in any material respect the carrying out of the DB Work on our segment.

3. Our segment has or will have available to it as and when required all of the Permits which are necessary to carry out the DB Work on our segment.

4. Unless otherwise notified by our Segment, the DB Work has progressed to the point indicated in the attached documents and meets or is ahead of the progress required pursuant to Schedule 3 [Project Schedule] of the DB Agreement or any submitted Late Completion Plan or Reinstatement Plan, except as Disclosed.

5. The itemized costs, fees and taxes detailed in the attached documents have been properly expended and the amount requested to be drawn by our part of the Draw Request is for payment for the cost of work actually performed by our Segment.

6. The DB Work carried out on our segment to the date of this Draw Request is in accordance with our Segment's obligations under the DB Agreement.

7. Except as Disclosed, no Adverse Claims exist against the DB Work on our segment.

8. Our Segment is entitled to payment in the amount requested in this Draw Request.

9. All of the Constructor's Subcontractors have been paid in full all amounts which are due and owing as of the pay period immediately preceding the date of this Draw Request except for holdbacks required to be made by the Constructor under the DB Agreement and pursuant to the *Builders Lien Act* (British Columbia), if applicable.

Scott Fowlds
Segment Manager

1/26/12
Date

Segment Project Engineer

JAN 26, 2012
Date

Kiewit
FLATIRON
general partnership

1. Our segment is unaware, having made all reasonable enquiries, of any environmental matter which has or could reasonably be expected to materially and adversely affect or impair the ability of our segment to perform its obligations under the DB Agreement or result in a Constructor Default which has not been Disclosed.

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Segment Manager

JAN 26/12.
Date

Rob Elliott
Segment Project Engineer

2012-01-26
Date

Kiewit
FLATIRON
general partnership

1. Our segment is unaware, having made all reasonable enquiries, of any environmental matter which has or could reasonably be expected to materially and adversely affect or impair the ability of our segment to perform its obligations under the DB Agreement or result in a Constructor Default which has not been Disclosed.

2. There are no leases, licences, restrictions, covenants, easements or other rights affecting the DB Work on our segment, except as Disclosed, which will or may prevent, hinder or delay in any material respect the carrying out of the DB Work on our segment.

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Segment Manager

1/24/12
Date

Segment Project Engineer

Jan. 24th / 2012
Date

Kiewit
FLATIRON
general partnership

1. Our segment is unaware, having made all reasonable enquiries, of any environmental matter which has or could reasonably be expected to materially and adversely affect or impair the ability of our segment to perform its obligations under the DB Agreement or result in a Constructor Default which has not been Disclosed.

2. There are no leases, licences, restrictions, covenants, easements or other rights affecting the DB Work on our segment, except as Disclosed, which will or may prevent, hinder or delay in any material respect the carrying out of the DB Work on our segment.

3. Our segment has or will have available to it as and when required all of the Permits which are necessary to carry out the DB Work on our segment.

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Segment Manager

JAN 26, 2012
Date

Segment Project Engineer

JAN 26, 2012
Date

Kiewit
FLATIRON
general partnership

PORT MANN / HIGHWAY 1

Design-Build Report
#38

A General Partnership: Peter Kiewit Sons Co. and Flatiron Corp.
Prepared for TI Corp
Submitted January 27, 2012
For the period ending January 21, 2012

Gateway Program

Improving Roads and Bridges for people, goods and transit throughout Greater Vancouver

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SECTION 1: SAFETY SUMMARY

Period	Recordable (OSHA)			
	Lost Time	Restricted Duty	Other	**Total**
January 2012	0	0	0	**0**
2011 Total	8	2	21	**31**
2010 Total	10	6	14	**30**
2009 Total	1	0	7	**8**
Project To Date	19	8	42	**69**

Total Man-hrs to date: 8,427,139 (including subs and designers); Recordable Frequency of 1.64

Incidents:

No recordable incidents for this reporting period.

SECTION 2: QUALITY SUMMARY

The Quality Department has internally promoted staff to fill the following positions: Procurement QA Manager and Paving QA Manager. Additional people have been hired to fill the vacated positions for that staff.

The Quality Systems Manager has recently been promoted to the home office. A Quality System Engineer position was created to take on most of the responsibilities of the Quality Systems Manager.

Updating of the Construction Inspection and Test Plan (CITP) is ongoing. Revision of the CITP will be completed in the next month and be formally submitted.

The Final Acceptance Program (FAP) is being used by the Segments and the Quality Department to punch-list finished pieces of work. The program is being further developed to better meet the needs of production.

NCRs Per Segment	To Date	Open
s.17		

Table update as of January 21, 2012

SECTION 3: WORKS PROGRESS SUMMARY

Progress as of January 21, 2012

Discipline	% Complete
Design	99.5
Construction	70.5
Total	**73.0**

The following table outlines the expected completion dates of all components of the work, in accordance with the Design-Build Agreement, Schedule 3 Appendix A. **The table does not consider impacts of all delay events and notifications, unless stated otherwise. K/F and TI Corp are working through schedule delay issues. Refer to monthly schedule update for details.**

Segment	Scheduled Substantial Completion Date	October 2011 Update (submitted to TI Corp)
West	December 31, 2013	July 31, 2014
Tolling Commencement	December 01, 2012	September 26, 2014
East	December 31, 2012	December 30, 2012
Fraser Heights Connector	December 31, 2012	December 31, 2012
Total Job	December 31, 2013	November 12, 2014

Project Management Staffing (as of Jan 21, 2012)	
	Current
Seg 1	56
Seg 2	86
Seg 3	63
Seg 4	70
Hub (incl: QUA, ENV, CA)	107
Shop	15
202	21
Total	**418**

SECTION 4: DESIGN SUMMARY

Basic Onshore & Environmental Design including 3A Project Management and Discipline Management is 100% complete overall. Figure 4-1 shows the earned value curve.

- Key Discipline % Complete (all Segments)
  - New Bridge Design = 100%
  - Retaining Wall Design = 100%
  - EPS Embankments = 100%
  - Geotech Design = 100%
  - Highway Design = 100%
  - Drainage Design = 100%

West Segment

- Items that reached Final Submission/ IFC or were Revised this period:
  - W3 – ZR – DCN – BNSF No. 1 Overpass No.1679
  - W1 – HW – DCN – Revised Median Wall W1308R
  - W1 – HW – DCN – Revised L1520 Ramp Profile
  - W3 – GS – Final Submission – Guide Sign Package
  - W1 – GE – DCN – Ground Improvement Area W-C

- Additional to Basic Design that reached Final IFC or were revised in this period:
  - W1-UT-CX27

Central Segment

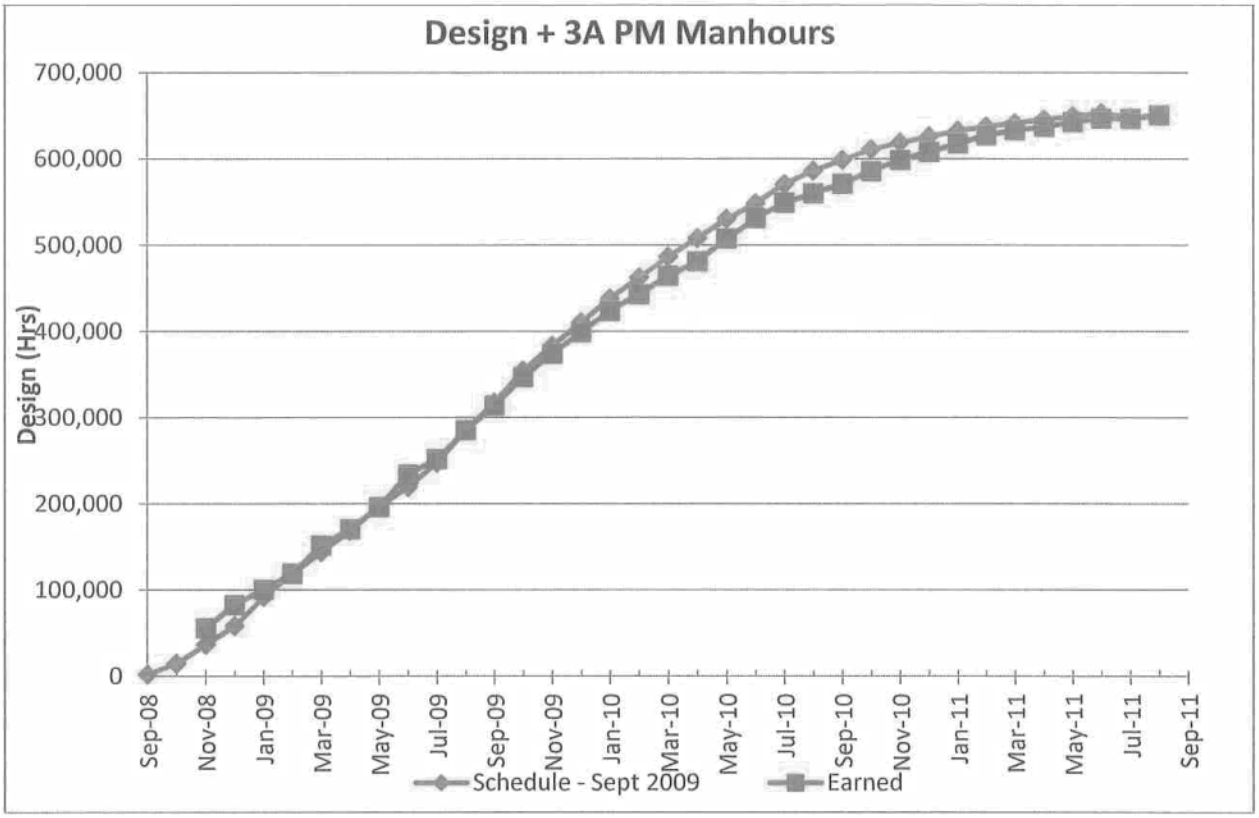
- Items that reached Final Submission/ IFC or were Revised this period:
  - C2 – ZB – DCN – Bridge 5905
  - C2 - ZW – DCN – Retaining Wall – 8353R (W5400R)
  - C2 – LS – DCN – May Hill Bypass Realignment
  - C1 – LS – DCN – King Edward at United Blvd. South leg removal
  - C2 – ZE – Final Submission – EPS Embankment No. E5906S
  - C2 – ZE – DCN – EPS Embankment No. E5901S
  - C2 – ZB – DCN – LHH-EB Underpass No.5901

East Segment

- Items that reached Final Submission/ IFC or were Revised this period:
  - E1 – ZO – Toll Gantry 5911 – Additional Drawing
  - E1 – ZW – DCN – 8395R
  - F1 – HW – Final Submission – Highway Package
  - F1 – HW – DCN – Pavement Re-design
  - F1 – HW – DCN – Highway and Drainage Design Revisions
  - E1 – ZW – Hjorth Creek Headwall Design
  - F1 – GS – DCN – Revised GS Location Revised GS Elevation
  - E2 – GS – DCN – Guide Sign Elevation Revisions
  - E1 – GS – DCN – Guide Sign Elevation Revisions
  - ZB – E1 – 160th Street WB Off Ramp over EB On Ramp No.5927 – Additional Drawing

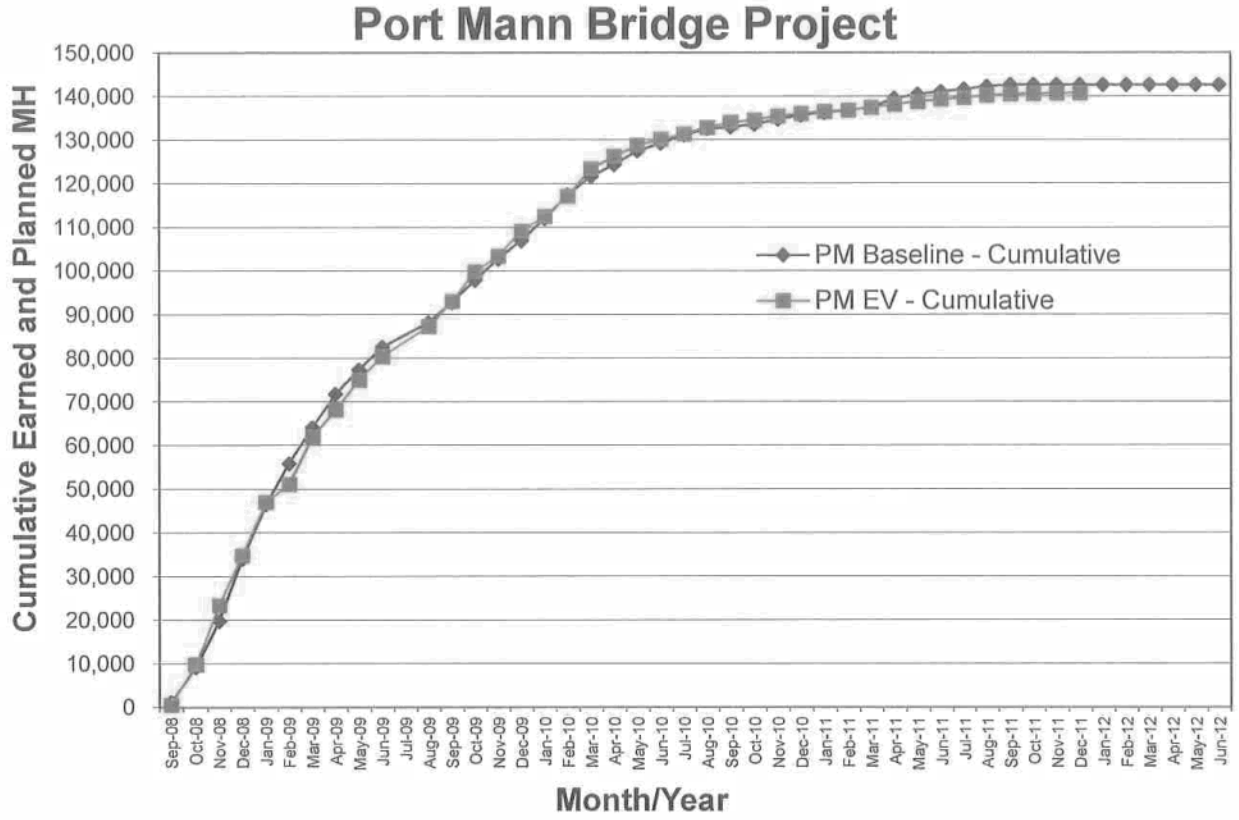
- Additional to Basic Design that reached Final IFC or were revised in this period:
  - F1 – DG – Drainage General Revisions

Figure 4-1: Design Earned Value Graph



BRIDGE:

The Port Mann Bridge design is 98.7% complete overall and continues to track on the planned schedule.



Foundations

- All design reviews are complete and design certificates have been issued
- All main span and approach foundation drawings have been issued for construction

Substructure

- All drawing reviews and certificates are complete and drawings have been issued for construction

Pylons

- Both the Upper and Lower pylons have been certified and issued for construction

Superstructure

- Both the North and South Approach superstructures have been certified and issued for construction
- Main span superstructure has been certified and issued for construction
- Final version of Main span erection manual is complete. Rev.5 is pending
- DCN's pending for Barrier transitions, Bridge railing and Evofoam joint material at Link Slabs
- Water proofing membrane SP IFC'd - K/F decided on supplier / applicator, Sub-Contract to be finalized
- Balanced Cantilever segmental shop drawings completed

Electrical

- Electrical drawing package has been issued for construction. SMS electrical has been included in the electrical drawings. SMS Drawings for equipment positions and details submitted as a new drawing set. KF received Authority & BCMoT comments and observations, KF has forwarded response to comments and observations to Authority. Meeting with MoT, UBC, TI Corp, TYLin and KF was held to resolve Authority comments; interim drawing update has been forwarded for MoT, UBC and Authority Review based on the meeting resolution. Upon receipt of preliminary review and acceptance, the SMS drawings will be submitted for final Review
- The SMS drawings were initially part of the Seismic Monitoring System Special Provision document, which was accepted by MoT, UBC and Authority. To facilitate reference and record documentation the SMS drawings were extracted from the SMS SP and included in the electrical drawings set for IFC

On-Going Design Work

- Draft Maintenance Manual has been provided by Designers for KF review. Review meeting to be held
- SMS review and coordination with BCMoT ongoing
- Temporary Barrier TP1 anchorage detail is being reviewed by KF and Designers.
- N2 and S2 Back Span Barrier Rail at Main Span gap has been submitted for Category III Check Team and KF received comments, Designers to respond to comments.
- DCN submissions updated, changed, and/or additional drawings continue
- NCA, RFI, and FDC reviews continue as post-design work
- Final Design quantities pending from TYLin. Design Incentive value pending quantity verification
- Not pursuing Tidal lagoon option. Review of pump station upgrades are under K/F review. Design work required for pump station upgrade. Discussed pump station upgrade and to leave the Flood box open with CoC and IoD, KF has received extension of permit unto January 2013. KF to submit scope of work and initial design of pump station upgrade to CoC and IoD for N6 Dike DMA Application and approval of Final amendment. Design Management services provided by H5M
- Continuation of review and responses to comments by Authority on special provisions and DCN updates
- Shop drawing reviews ongoing (superstructure elements)
- Geometry submissions and daily coordination with both MS Cable stay and Approach BC superstructure ongoing
- As-built coordination ongoing, awaiting red-line mark-ups from K/F to Designer for preparation of record set
- Three full-time designer representatives remain on the project as field QA. Representatives are focused on coordinating the inspection and testing program, reviewing work methods statements, and performing field work observations

SECTION 5: ENVIRONMENT SUMMARY

Segment 1

- Waste water/concrete storage and treatment at Grandview and Boundary ongoing
- Implementation of concrete management BMP's at locations such as the North Road, the Kensington, Willingdon, and Grandview interchanges, The Still Creek Bridge, and the Boundary overpass:
    - Use of drip trays under transfer points
    - Secondary containment for excess concrete
    - Water management
    - CO_2 onsite for pours near watercourses
- Maintenance of existing erosion and sediment controls throughout segment and installation of new measures, including but not limited to:
    - Silt fencing
    - Check dams
    - French drains
    - Hydroseed
    - Straw matting, mulch, and erosion control blankets
    - Pumping to vegetation for bio-infiltration
    - Armouring of ditches and culvert inlet and outlets
    - Water quality treatment system
- Invasive species management at the Gaglardi compensation area ongoing
- Environmental monitoring of construction activities throughout the segment for the duration of the reporting period

Segment 2

- Implementation of concrete management BMP's for works near watercourses, the King Edward overpass, Structures 5901, 5906, and 5909, the 8353 Green Wall, and the C13 area:
    - Drip trays under concrete transfer points
    - Secondary containment for excess concrete
    - Water management and environmental monitoring during concrete pours
    - Sweeping roads as necessary to limit silt tracking
    - CO_2 onsite for pours near watercourses
- Installation and maintenance of sediment and erosion control throughout entire segment
    - Use of clean and turbid water sumps to manage water within excavations
    - Sediment ponds
    - Installation and maintenance of silt fence
    - Placement of poly sheeting, straw and rip rap
    - Armouring ditches and grading and capping of access roads
    - Installation of check dams
    - Halt work breaks
    - Water quality treatment systems
- Environmental monitoring of construction activities throughout the segment, including night monitoring, for the duration of the reporting period
- Dust suppression during demolition of the CPR Bridge
- Environmental training on topics including fuelling procedures and spill containment

Segment 3

- Continual water quality sampling conducted within the Fraser River and during seepage dewatering of the Pier N2 cofferdam
- Use of Carbon Dioxide to treat high pH water when necessary
- Implementation of concrete management BMP's for works throughout the Segment including but not limited to:
    - Drip trays under concrete transfer points
    - Secondary containment for excess concrete
    - Covering trestle deck in poly during marine pours
    - Water management and environmental monitoring during concrete pours
    - Sealing form work with foam, backer rod, etc.
- Ongoing environmental monitoring including water quality monitoring within entire segment and targeted monitoring at Landfill Creek
- Maintenance of erosion and sediment controls throughout the segment
- Installation of a water quality treatment system for use during scour protection placement at Pier N2
- Environmental Training; examples include targeted training on waste management, secondary containment, anti-idling, pile cap policy, spill response procedures, and housekeeping

Segment 4

- Implementation of concrete management BMP's for works at various locations throughout the segment
    - Drip trays under concrete transfer points
    - Containment of concrete waste
    - Water management and monitoring during sensitive pours
    - CO_2 onsite for pours near watercourses
- Erosion and Sediment control measures installed, monitored and maintained throughout the Segment and in targeted areas such as Landfill Creek, the 156th St interchange, Hjorth Creek, Bartesko Creek, and Upper Serpentine Tributaries:
    - Installation of silt fence, check dams, straw mulch, erosion control blankets, poly sheeting, Hydroseed
    - Armouring of ditches and use of flocculent and active water quality treatment systems
- Maintenance of water quality treatment systems
- Road sweeping as necessary to prevent fines from entering catch basins
- Environmental monitoring of construction activities throughout the segment for the duration of the reporting period
- Environmental Training; examples include targeted training on erosion sediment controls, spill prevention and reporting, waste management, and housekeeping
- Water well sampling

Fraser Heights Connector

- Erosion and sediment controls installed, monitored and maintained at east abutment of Fraser Heights Bridge, Center Creek, 175th Street, southwest 176th Street and 104th Avenue, and 176th St and Barnston Ave
- Mitigation during construction of the Fraser Heights Bridge included
    - Use of top down construction method to minimize impacts
    - Use of bridge and designated walkways to access site
    - Having spill kits on site
    - Water quality supplying and as needed treatment
    - CO2 on site to mitigate impacts from concrete
- Road sweeping as necessary to prevent fines from entering catch basins
- Environmental monitoring of construction activities throughout the segment for the duration of the reporting period
- Fish salvage
- Contaminated sites management at 176th At and 104th Ave

Permitting

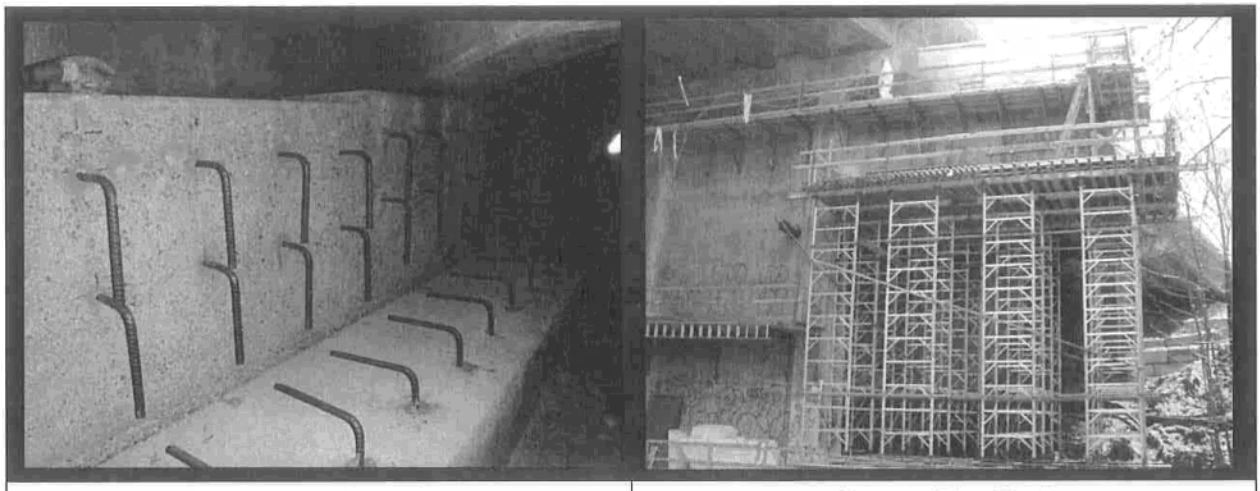
- Segment 1 received amendments to three MoE Water Act Section 9 Permits
- Segment 2 submitted an in-stream work window variance request to both DFO and MoE, and received an email of "no objection" and an amendment to the Project-wide Water Act Section 9 Permit from DFO and MoE, respectively
- Segment 3 submitted an application to amend the MoE Wildlife Act General Permit for the Osprey exclusion device and alternative nesting structure
- Segment 4 submitted an in-stream work window variance request for FHC works to both DFO and MoE, and received an email of "no objection" from DFO

SECTION 6: FIRST NATIONS SUMMARY

s.16

SECTION 7: CONSTRUCTION SUMMARY

7.1 SEGMENT 1



BNSF 1 Install Dowells | *Brunette River Pier 3*

Geotechnical Investigation

- Monitored inclinometers @ Kensington, Willingdon and Gaglardi Ground Improvement areas
- Monitored equipment at Gaglardi Stone Columns

Earthworks

- Continued working on Kensington North preloads (WF package)
- Completed working on Gaglardi North preloads (WI-3/4/5/)
- Continued working on the Gaglardi North preload (WI – 6/8)
- Continued removing surcharge at Kensington WF South A
- Continued placing rock slope at the Grandview EB on ramp
- Paved 1st lift at the Willingdon EB on-ramp
- Completed placing surcharge for WC6A, WC16
- Continued placing surcharge at WC2
- Paved the 1st lift at the South Sprott Approach
- Continued embanking at the Government Fill
- Began striping at the median walls (1081 & 1088) between Kensington and Gaglardi
- Started placing base at the Grandview EB on ramp

Drainage

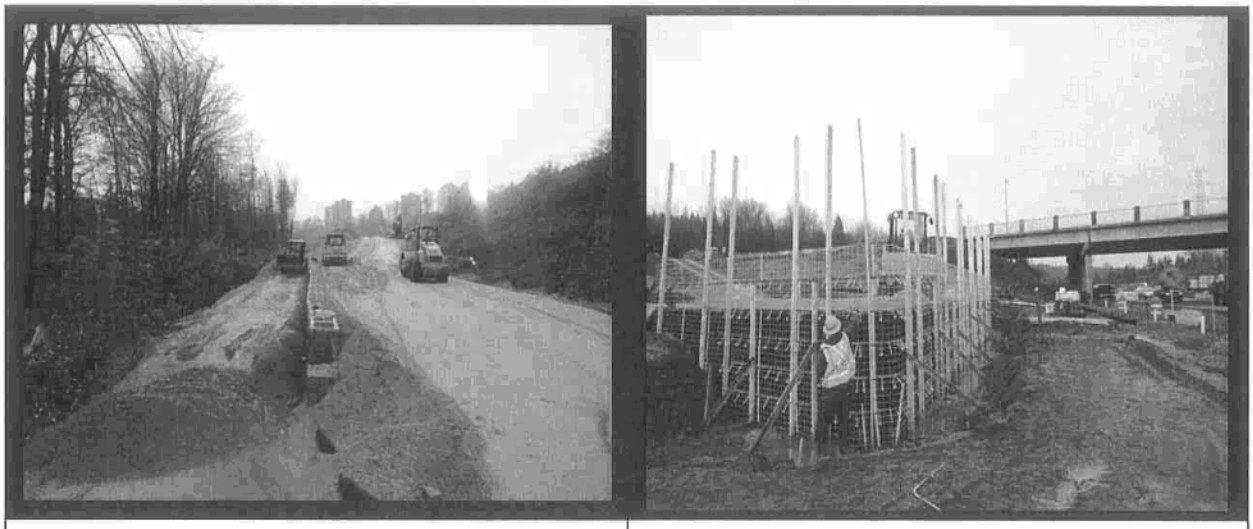
- Wall 1070 – Continued raising frame and grates for paving prep
- Willingdon North and South EPS installing catch basins

E- Culverts

- No permanent work completed for this draw

Misc. Structures

- Erected 40% of wall coping at wall 1143
- Erect north and south Willingdon Link slabs
- Installed 32 precast MUP's at the Kensington West Moment Slab
- Installed 35 PL2's at the Kensington East Moment Slab
- Poured 50% of the East Moment Slab at Kensington
- Installed 15 pipe poles for lights in the median
- 1171.1 LM of Stone Columns installed by Hayward Baker at North Gaglardi – North Gaglardi Complete



Embankment above Green Wall 1143

MSE Wall at Gaglardi South

- 37 H Pile driven at BNSF No. 1
- A0-1 drilled shaft complete at BNSF No. 2

Electrical / Fibre Optic System

- No work completed for this draw

Utilities

- No work completed for this draw

Walls

- Continued embanking above Green Wall 1143 (east end of Government Fill)
- Continued building MSE wall at Gaglardi South

Willingdon (#1670)

- Formed up for the W49 duct bank encasement
- Started forming the north and south sleeper slabs

Kensington (#1673)

- Poured A0 approach Slab

Sprott Interchange (#1672)

- Installed 70% of the pedestrian walkway
- Erected and completed phase 1 of the moment slabs

North Road

- Completed EB parapets
- Stripped overhangs

Grandview

- Formed and tied rebar for the 8367A and 8367D footings

Still Creek

- Poured and striped A0 abutment 100%
- Poured and striped A1 abutment 100%
- Prepped girder pedestals for girder erection

Boundary

- Formed and poured P1 and A2 Diaphragms
- Formed A0 Diaphragms

Boundary Loop

- Formed and poured 1st lift of parapets

Broadway

- Completed Parapets
- Stripped Overhangs
- Poured Back Wing Walls

1st Ave

- No work this draw

Brunette River – Pier 3

- Erected PT Soffit
- Sandblasting of the PT shear wall
- Gluing dowels for PT
- Erected PT bulkhead

BNSF #1

- Drill and install dowels at Abutments 1 and 7
- Form Abutment 7 and 50% of Abutment 1

BNSF #2

- See Misc. Structures

Traffic Switches / Detours

- WD022B – Willingdon EB on-ramp detour (half)
- Set up and maintenance of traffic closures to support construction operations

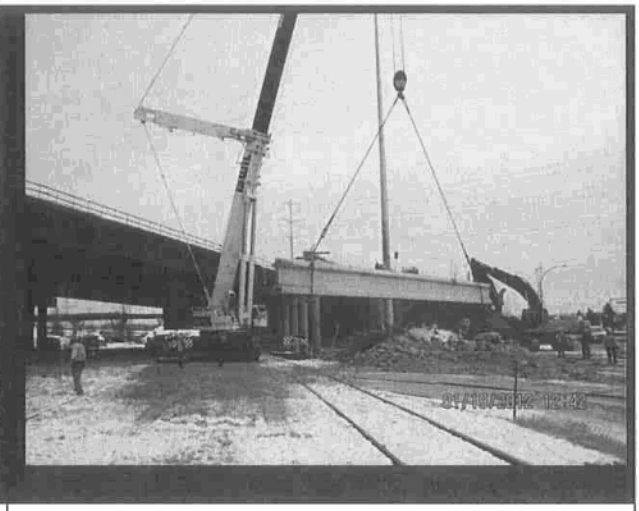
7.2 SEGMENT 2

Earthworks

- Begin Excavation for 8343 temporary shotcrete wall/ demo 1627 abutment
- Continue with widening of surcharge CG-5A
- Demolition of Bridge 1627 Phase III
- Completion of stone column remediation of CA-5A
- Removal of surcharge at CA7A and excavate to sub-grade of Detour 25B
- Excavate to top of stone column at 8391 work area
- Removal of lockblocks at 5901S and removal of surcharge for 5902 EPS
- Continue with Leavitt surcharge placement
- Begin removal of "B" surcharge at JJM



1627 Demolition



Removing Girders from Span 5 at 1627

MSE Walls

- 8368 Green wall is 90% Complete
- 8389 1st stage (Terratrel) is 10% complete
- 8379 1st stage (Terratrel) is 50% complete
- 8372 Green wall is 80% Complete
- Terratrel EPS transition is 80% complete



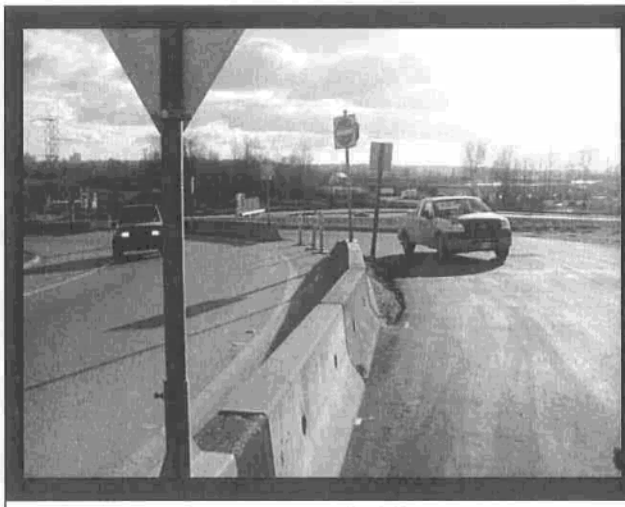
8372 Greenwall & EPS transition



8379 2 stage wall

Roadworks

- Detour 059C grading and paving
- Detour 025B HWY 1 WB/United Blvd on ramp grading
- Detour 008 Paved at King Ed Eye (HWY 1)
- D-056 Brunette off ramp paved and traffic flipped



Detour 56 Brunette Off ramp



D-059C

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-09-18 at 9:44 AM
Received:	2012-09-18 at 9:44 AM
Subject:	Re: s.17

Thomas,

Too early to schedule and Oct 1 is out as I already have a full day.

Will communicate with you next week.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Tuesday, September 18, 2012 07:32 AM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

OK - I am in Montreal next week . . . . maybe we can do Oct 1 in Victoria?

From: Chapman, Rodney L TRAN:EX [mailto:Rodney.Chapman@gov.bc.ca]
Sent: Monday, September 17, 2012 12:23 PM
To: Krikke, Thomas G
Subject: Re: s.17

Thomas,

I'm in the Okanagan all this week and will be reviewing next week so really don't know yet.

Will be in touch later next week.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Sunday, September 16, 2012 11:54 AM
To: Chapman, Rodney L TRAN:EX
Subject: Re: s.17

Would you like to discuss this week or next in Victoria?

From: Chapman, Rodney L TRAN:EX [mailto:Rodney.Chapman@gov.bc.ca]
Sent: Sunday, September 16, 2012 11:48 AM
To: Krikke, Thomas G
Subject: Re: s.17

Thomas,

Thanks for the prompt reply and I will be reviewing next week.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Saturday, September 15, 2012 08:52 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

My response to question #2 below, same qualifications as previous email.

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

s.17

Page 462

Withheld pursuant to/removed as

s.17

s.17

All for now.

Regards,

Rodney Chapman

****
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To:	Krikke, Thomas G [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-09-26 at 3:05 PM
Received:	2012-09-26 at 3:05 PM
Subject:	RE: s.17

Thomas,

I have now reviewed all of your responses and for the most part they are pretty good.

The major discussion points are those areas that you have identified as discussing in person.

So on October 1 I am available after 11:00am if this works.

Also the upcoming October 3 meeting with KFGP I certainly would appreciate an invitation as a Due Diligence observer.

Regards,

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Tuesday, September 18, 2012 7:33 AM
To: Chapman, Rodney L TRAN:EX
Subject: RE: s.17

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Sent: Thursday, September 13, 2012 3:16 PM
To: Krikke, Thomas G
Subject: s.17

Page 467 to/à Page 468

Withheld pursuant to/removed as

s.17

s.17

All for now.

Regards,

Rodney Chapman

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From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-10-11 at 8:09 AM
Received:	2012-10-11 at 8:09 AM
Subject:	FW: Gravel - Question #1 (1 of 2 emails)
Attachments:	LTR OUT - AUTH 153 (028).pdf LTR-CNG-KF-100303-KY1 (028).pdf CC-0053A (053).pdf S0_KF-TIC_LTR_2010-0259 (053).pdf LTR-CNG-KF-101118-KY1 (098).pdf LTR-CNG-KF-101119-KY (098).pdf S0_KF-TIC_LTR_2010-0432-0 (098).pdf LTR-CNG-KF-101216-KY1 (100).pdf LTR-CNG-KF-101217-KY3 (100).pdf S0_KF-TIC_LTR_2010.0382 (100).pdf

Pat,

Please print all off.

Txs,

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Thursday, October 11, 2012 7:58 AM
To: Chapman, Rodney L TRAN:EX
Subject: RE: Gravel - Question #1 (1 of 2 emails)

Hello Rodney:

I will answer your questions with generally one email per question (as limited by the size of attachments).

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Wednesday, October 10, 2012 2:54 PM
To: Krikke, Thomas G
Subject: Gravel

Thomas:

Upon reviewing my notes further and recalling a number of topics from the three meetings in 2010/11, I have the following questions:

s.17

Page 473

Withheld pursuant to/removed as

s.17

s.17

Rodney Chapman

Director

Construction & Maintenance Branch

****
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****

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

March 3, 2010

TIC File: LTR-CNG-KF-100303-KY1
Your File No. KF-TIC-LTR-2010-0153.0

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

s.17

Yours truly,

P.P.

Gary Webster
Authority's Representative

s.17

Cc: Garry Dawson Ti Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp

Suite 1420, 1111 W Georgia, Vancouver BC V6E 4M3 | T: (778) 783-1200 | F: (778) 783-1201 | Info Line: 1866-999-7641 (PMH1)

Page 476 to/à Page 478

Withheld pursuant to/removed as

s.21;s.17

Kiewit
FLATIRON
general partnership

June 25, 2010 File: KF-TIC-LTR-2010.0259.0

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: Authority Change – Gravel s.17 up to March 26 2010 (CC-0053B)

We write in response to your letter LTR-CNG-KF-100329-KY1 dated March 29, 2009 containing the Part A form (CC-0053A) for Gravel Supply and Disposal s.17 differential costs from November 01, 2009 to March 26, 2010.

The differential costs include the incremental hauls and dump fees for waste material disposal at alternate sites and the incremental hauls and supply costs for imported backfill materials from alternate sources. From November 1, 2009 to March 26, 2010, K/F has taken s.17,s.21 of material to waste off-site and has imported s.17,s.21 of import material from off-site as a replacement to the Brown Pit gravel source and waste disposal site.

The differential cost associated with using the alternate dump sites and material sources from November 1, 2009 to March 26, 2010 is s.17,s.21 plus GST. Additional costs and schedule delays associated with Brown Pit for impacted site production, support services, and additional risks are currently being investigated and are not included in this amount. K/F reserves the right to add these costs to the Change Order amount at a later date once quantified.

Enclosed with this letter is full backup documentation to support the amount provided with the Part B form, an overall price breakdown, and an invoicing schedule. K/F owned equipment rates included in the pricing are based on Kiewit's standard estimating rates. A schedule of rates for K/F owned equipment is also included.

Sincerely,

Kiewit/Flatiron General Partnership

for Frank Margitan
Project Director

Encl:
Part B – Change Report

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0053B

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Change Report (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

PART B. CHANGE APPRAISAL

Subject:	Authority Change – Gravel s.17 up to March 26, 2010

To be completed by Constructor:

B1. Payment

Fixed Price:	s.17	
Bid Price:	n/a	
If applicable and where not covered by the Fixed Price or Bid Price:	n/a	
• Capital Cost Increase/Decrease:	n/a	
• Recurrent Cost Increase/Decrease:	n/a	
• Revenue Loss/Gain:	n/a	
Estimate of Change Adjustment:	n/a	

If necessary, provide details below:

B2. Risk Allocation

A material adverse change in overall risk allocation under the Design Build Agreement would result if the Authority Change is implemented: Yes ☐ No ☒

If "yes", provide details below, including margin/premium included in the calculation of the Fixed Price, and/or necessary changes to insurance coverage limits:

B2. Relevant Consents

Relevant Consents are required in order to implement Authority Change: Yes ☐ No ☒

If "yes", provide details below, including list of any Permits, Licences, and/or Approvals, or amendments or revisions thereto, that may be required, and costs and anticipated schedule for obtaining same:

B3. Contractual Implications

If the proposed Authority Change is implemented:

- Constructor's ability to comply with provisions of the Agreement (including but not limited to the Technical Requirements) may be affected: Yes ☐ No ☒

If "yes", provide details below, including details of how such effect may be mitigated, and cost of such mitigation:

If the proposed Authority Change is implemented:

- Changes to the Agreement (including but not limited to the Construction Requirement) are required: Yes ☐ No ☒
- Changes to Part 10 (Payments) of Agreement: Yes ☒ No ☐

If "yes", provide details below:

s.17

B4. Schedule Implications

Schedule Implications as a result implementing proposed Authority Change:

- Constructor anticipates delay in completion of the Works: TBD Yes ☐ No ☐
- Tolling Commencement Target Date is impacted: Yes ☐ No ☒
- Substantial Completion Target Date is impacted: Yes ☐ No ☒
- Total Completion Target Date is impacted: Yes ☐ No ☒

If "yes", provide details below:

s.17

B5. Property Access Requirements

Access to additional land or additional Rights in respect of land: Yes ☐ No ☒

If "yes", provide details below:

B6. Schedule for Implementation

[Constructor's schedule for implementing Authority Change.]

s.17

B7. Consequential Amendments

Consequential Amendments to the Agreement are anticipated: Yes ☒ No ☐

If "yes", provide details below.

s.17

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0053B

B8. Attachments

Other documents in support of Change Report are referenced: Yes ☒ No ☐

1. Letter KF-TIC-LTR-2010.0259.0
2. Price Breakdown
3. Supporting Documentation
4. Proposed Monthly Payment Schedule
5. K/F Equipment Rate Schedule

Signed: _____

Constructor's Representative

Name: Frank Margitan

Date: June 24, 2010

Kiewit FLATIRON

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 NOV. 1, 2009 TO MAR. 26, 2010 (CC-0053B)

23/06/2010

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
	SECTION 1 - INCREMENTAL WASTE OFF-SITE		s.17,s.21		
1.01	INCREMENTAL WASTE OFF-SITE SEGMENT 1	M3			
1.02	INCREMENTAL WASTE OFF-SITE SEGMENT 2	M3			
1.03	INCREMENTAL WASTE OFF-SITE SEGMENT 4	M3			
	TOTAL SECTION 1 - INCREMENTAL WASTE OFF-SITE	**M3**			
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
2.01	INCREMENTAL IMPORT TO SITE SEGMENT 1	M3			
2.02	INCREMENTAL IMPORT TO SITE SEGMENT 2	M3			
2.03	INCREMENTAL IMPORT TO SITE SEGMENT 4	M3			
	TOTAL SECTION 2 - INCREMENTAL IMPORT TO SITE	**M3**			
	SECTION 3 - ADDITIONAL CLERKS / TRUCK BOSSES				
3.01	ADDITIONAL TRUCK BOSSES SEGMENT 1	HRS			
3.02	ADDITIONAL CLERK SEGMENT 2	HRS			
3.03	ADDITIONAL TRUCK BOSSES SEGMENT 2	HRS			
3.04	ADDITIONAL CLERK SEGMENT 4	HRS			
3.05	ADDITIONAL TRUCK BOSSES SEGMENT 4	HRS			
	TOTAL SECTION 3 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 4 - ADDITIONAL PIT DEVELOPMENT / ENVIRONMENTAL				
4.01	ADDITIONAL PIT DEVELOPMENT / ENVIRONMENTAL	LS			
	TOTAL SECTION 4 - ADDITIONAL PIT DEVELOPMENT / ENVIRONMENTAL				
	SECTION 5 - ADDITIONAL INSURANCE				
5.01	ADDITIONAL INSURANCE SEGMENT 1	LS			
5.02	ADDITIONAL INSURANCE SEGMENT 2	LS			
5.03	ADDITIONAL INSURANCE SEGMENT 4	LS			
	TOTAL SECTION 5 - ADDITIONAL INSURANCE				

Kiewit FLATIRON

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 NOV. 1, 2009 TO MAR. 26, 2010 (CC-0053B)

23/06/2010

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
			s.17,s.21		
	CONSTRUCTION TENDER SUMMARY				
	SECTION 1 - INCREMENTAL WASTE OFF-SITE				
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
	SECTION 3 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 4 - ADDITIONAL PIT DEVELOPMENT / ENVIRONMENTAL				
	SECTION 5 - ADDITIONAL INSURANCE				
	TOTAL CONSTRUCTION TENDER				
A1.01	**SECTION A - WORK BY OTHERS**				
	TOTAL SECTION A - WORK BY OTHERS				
B1.01	**SECTION B - WORK BY MOTH**				
	TOTAL SECTION B - WORK BY MOTH				
C1.01	**SECTION C - MATERIAL SUPPLIED BY MOTH**				
	TOTAL SECTION C - MATERIAL SUPPLIED BY MOTH				
D1.01	**SECTION D - DIRECT SUPERVISION**				
	STAFF / QC / JOB EXPENSES SEGMENT 1	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 2	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 4	HRS			
	TOTAL SECTION D - DIRECT SUPERVISION				
	SUBTOTAL DIRECT WORK				
E1.01	**SECTION E - DESIGN**				
	TOTAL SECTION E - DESIGN				
	TOTAL DIRECT PLUS DESIGN				
F1.01	**SECTION F - JOINT VENTURE MANAGEMENT FEE**				
	TOTAL SECTION F - JV MANAGEMENT FEE	%			
	TOTAL WITH JV MANAGEMENT FEE				
	PROJECT SUMMARY				
	CONTRUCTION TENDER				
	SECTION A - WORK BY OTHERS				
	SECTION B - WORK BY MOTH				
	SECTION C MATERIAL SUPPLIED BY MOTH				
	SECTION D - DIRECT FIELD SUPERVISION				
	SECTION E - DESIGN				
	SECTION F - JOINT VENTURE MANAGEMENT FEE				
	SUBTOTAL				
	PROFIT & OVERHEAD				
	TOTAL PROJECT				

Kiewit
FLATIRON
general partnership

Port Mann Highway Improvement Project

Gravel s.17 November 1, 2009 to March 26, 2010 (CC-0053B)

Proposed Monthly Payment Schedule:

23-Jun-10

Gravel Supply and Waste		
Month	Payment Amount	
July, 2010	s.17	
Total:		

Suite #201 – 3773 Still Creek Ave,
Burnaby, BC V5C 4E2
Tel: 604-629-5419, Fax: 604-454-3596

Kiewit FLATIRON general partnership

K/F Equipment Rate Schedule:

Kiewit Standard Estimating Rates for 2009 ($/Hr):

CAT D6 DOZER	s.21
CAT 12 GRADER	
CAT 314 BACKHOE	
CAT 320 BACKHOE	
CAT 330 BACKHOE	
CAT IT-38 / 930 LOADER	
CAT 950 LOADER	
CAT 966 LOADER	
CAT 980H LOADER	
TRIAXLE HAUL TRUCK	
F-150 PICKUP 4x2 (FOREMAN)	
F-250 PICKUP 4x2 (FOREMAN)	
F-350 FLATDECK (CREW)	
F-150 PICKUP 4x2 (STAFF)	

Kiewit Standard Estimating Rates for 2010 ($/Hr):

CAT D6 DOZER	s.21
CAT D7 DOZER	
CAT D8 DOZER	
CAT 12 GRADER	
CAT 320 BACKHOE	
CAT 330 BACKHOE	
CAT 345 BACKHOE	
CAT 950 LOADER	
CAT 966 LOADER	
CAT 980H LOADER	
TRIAXLE HAUL TRUCK	
F-150 PICKUP 4x2 (FOREMAN)	
F-250 PICKUP 4x2 (FOREMAN)	
F-150 PICKUP 4x2 (STAFF)	

Kiewit/Flatiron General Partnership
Port Mann Highway 1 Project

Suite #201 – 3773 Still Creek Ave,
Burnaby, BC V5C 4E2
Tel: 604-629-5419, Fax: 604-454-3596

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

November 18, 2010

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-101118-KY1

Your File No. N/A

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

s.17

Sincerely,

P.P

Gary Webster
Authority's Representative

s.17

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Change Process
Part A – Notice

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0098A

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

PART A. AUTHORITY CHANGE NOTICE

Subject:	Gravel s.17 up to June 26 2010

A1. Description of Proposed Authority Change

The scope of the proposed change is to cover Gravel Supply and Disposal s.17 costs as a result of Brown Pit being unavailable in accordance with Schedule 8. These costs are to be for differential costs incurred up to June 26, 2010.

Reference Materials: N/A

Attachments:

A2. Payment

Is a cost Increase expected?	Yes ☒ No ☐
If a cost increase is expected:	
• Is it expected to exceed $300,000?	Yes ☒ No ☐ n/a ☐
• Is Constructor required to obtain competitive tenders and submit a Bid Price?	Yes ☐ No ☒ n/a ☐

A3. Schedule

Change Completion Date:	June 26 2010

Signed: P.P.

Name: Gary Webster, P.Eng.

Date: November 18, 2009

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

November 19, 2010

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-101119-KY1

Your File No. KF-TIC-LTR-2010.0339.0
KF-TIC-LTR-2010.0432.0

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

Re: Change Certificate – CC-0098 – Gravel s.17 **up to June 26, 2010**

Further to your letter (K/F Ref. No. KF-TIC-LTR-2010.0432.0) dated November 19 2010, please find attached Change Certificate CC-0098 in the amount of s.17,s.21 s.17,s.21 plus HST for additional work scope as described in your change report.

Sincerely,

Gary Webster
Authority's Representative

Attachment: CC-0098 - S0 - Gravel s.17 up to June 26 2010

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Suite 1420, 1111 W Georgia, Vancouver BC V6E 4M3 | T: (778) 783-1200 | F: (778) 783-1201 | Info Line: 1866-999-7641 (PMH1)

Transportation Investment Corporation

Change Certificate

Port Mann Highway 1 Project

Ref. No:	CC-0098

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

CHANGE CERTIFICATE

Subject:	**S0 - Gravel** s.17 **up to June 26 2010**
To be completed by the Authority:	
Proposed by	Authority ☒ Constructor ☐
K/F Reference	KF-TIC-LTR-2010-0432.0, KF-TIC-LTR-2010-0339.0-Part B and all attached documents
Authority's Reference	CC-0098A and LTC-CNG-KF-101118-KY1

Type of Change Request	Minor Works ☐	Value Engineering ☐	Authority Change ☒	DBA Change ☐
Authority accepts the Constructor Proposal		Yes ☐	No ☐	n/a ☒
Authority accepts Cost of Proposed Change		Yes ☒	No ☐	n/a ☐
Authority requires Constructor to obtain offer of finance to fund Capital Cost Increase		Yes ☐	No ☒	n/a ☐
Anticipated consequential amendments to DBA		Yes ☐	No ☒	n/a ☐

Note:

Signed: P.P. Gary Webster

Authority's Representative

Name: Gary Webster, P.Eng.

Date: November 19, 2010

Kiewit
FLATIRON
general partnership

November 19, 2010 File: KF-TIC-LTR-2010.0432.0

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: Response to Authority Change CC-0098A

Kiewit-Flatiron General Partnership (K/F) is in receipt of LTR-CNG-KF-10118-KY1 dated November 18, 2010 containing Authority Change CC-0098A.

K/F writes to notify Transportation Investment Corporation (TI Corp) that the Part B contained in K/F letter KF-TIC-LTR-2010.0339.0 shall serve as the Part B (Change Report) for Authority Change CC-0098A.

Please issue a Change Certificate in the amount of s.17,s.21 as per Schedule 11, Part 2, Section 2.1.

Should you have any questions, please contact the undersigned.

Sincerely,

Kiewit/Flatiron General Partnership

for

Frank Margitan
Project Director

Attachment: KF-TIC-LTR-2010.0339.0

Kiewit
FLATIRON
general partnership

September 23, 2010 File: KF-TIC-LTR-2010.0339.0

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: Authority Change – Gravel s.17 up to June 26 2010 ("Partial" CC-0060B, CC-0077B & CC-0078B)

We write in response to your letter LTR-CNG-KF-100709-KY2 dated July 9, 2010 containing the Part A forms (CC-0060A, CC-0077A & CC-0078A) for the remaining Gravel Supply and Disposal s.17 differential costs.

The differential price includes the incremental hauls and dump fees for waste material disposal at alternate sites and the incremental hauls and supply costs for imported backfill materials from alternate sources. From March 27, 2010 to June 26, 2010, K/F has taken s.17,s.21 of material to waste off-site and has imported s.17,s.21 of import material from off-site as a replacement to the Brown Pit gravel source and waste disposal site. In addition, s.17,s.21 of import material taken to the Fraser Heights Bridge is included in the submissions to date. This quantity and price will be credited upon execution of CC-0093A, the Fraser Heights Bridge changes.

The differential price associated with using the alternate dump sites and material sources for this billing is s.17,s.21 excluding HST. Additional costs and schedule delays associated with Brown Pit for impacted site production, support services, and additional risks are currently being investigated and are not included in this amount. K/F reserves the right to add these costs to the Change Order amount at a later date once quantified.

Enclosed with this letter is full backup documentation to support the amount provided with the Part B form, an overall price breakdown, and an invoicing schedule. K/F owned equipment rates included in the pricing are based on Kiewit's standard estimating rates. A schedule of rates for K/F owned equipment is also included.

Kiewit
FLATIRON

Kiewit/Flatiron is currently pricing the remaining costs associated with change orders CC-0066, CC-0077 and CC-0078 and will provide to TI Corp. as soon as available.

Sincerely,

Kiewit/Flatiron General Partnership

for Frank Margitan
Project Director

Encl:
Part B – Change Report

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial" CC-0060B, CC-0077B & CC-0078B

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);
Part B if applicable – Change Report (completed by the Constructor);
Change Certificate (completed by the Authority's Representative).

PART B. CHANGE APPRAISAL

Subject:	Authority Change – Gravel s.17 from March 27, 2010 to June 26, 2010

To be completed by Constructor:

B1. Payment

Fixed Price:	s.17	
Bid Price:	n/a	
If applicable and where not covered by the Fixed Price or Bid Price:	n/a	
• Capital Cost Increase/Decrease:	n/a	
• Recurrent Cost Increase/Decrease:	n/a	
• Revenue Loss/Gain:	n/a	
Estimate of Change Adjustment:	n/a	

If necessary, provide details below:

s.17

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial" CC-0060B, CC-0077B & CC-0078B

B2. Risk Allocation

A material adverse change in overall risk allocation under the Design Build Agreement would result if the Authority Change is implemented: Yes ☐ No ☒

If "yes", provide details below, including margin/premium included in the calculation of the Fixed Price, and/or necessary changes to insurance coverage limits:

B2. Relevant Consents

Relevant Consents are required in order to implement Authority Change: Yes ☐ No ☒

If "yes", provide details below, including list of any Permits, Licences, and/or Approvals, or amendments or revisions thereto, that may be required, and costs and anticipated schedule for obtaining same:

B3. Contractual Implications

If the proposed Authority Change is implemented:

- Constructor's ability to comply with provisions of the Agreement (including but not limited to the Technical Requirements) may be affected: Yes ☐ No ☒

If "yes", provide details below, including details of how such effect may be mitigated, and cost of such mitigation:

If the proposed Authority Change is implemented:

- Changes to the Agreement (including but not limited to the Construction Requirement) are required: Yes ☐ No ☒
- Changes to Part 10 (Payments) of Agreement: Yes ☒ No ☐

If "yes", provide details below:

Existing payment schedule will not be affected; payment schedule for this change is attached.

B4. Schedule Implications

Schedule Implications as a result implementing proposed Authority Change:

- Constructor anticipates delay in completion of the Works: TBD Yes ☐ No ☐
- Tolling Commencement Target Date is impacted: Yes ☐ No ☒
- Substantial Completion Target Date is impacted: Yes ☐ No ☒
- Total Completion Target Date is impacted: Yes ☐ No ☒

If "yes", provide details below:

s.17

B5. Property Access Requirements

Access to additional land or additional Rights in respect of land: Yes ☐ No ☒

If "yes", provide details below:

B6. Schedule for Implementation

[Constructor's schedule for implementing Authority Change.]

s.17

B7. Consequential Amendments

Consequential Amendments to the Agreement are anticipated: Yes ☒ No ☐

If "yes", provide details below.

Additional costs and schedule delays for impacts to site productions, support services, and additional risks to be added to the change order amount at a later date.

B8. Attachments

Other documents in support of Change Report are referenced: Yes ☒ No ☐

1. Letter KF-TIC-LTR-2010.0339.0
2. Price Breakdown
3. Supporting Documentation
4. Proposed Monthly Payment Schedule
5. K/F Equipment Rate Schedule

Signed:

Constructor's Representative

Name: Frank Margitan

Date: September 23, 2010

Kiewit FLATIRON

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 MARCH 27, 2010 TO JUNE 26, 2010
(PARTIAL CC-0060B, CC-0077B, CC-0078B)

23/09/2010

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
			s.17,s.21		
	SECTION 1 - INCREMENTAL WASTE OFF-SITE				
1.01	INCREMENTAL WASTE OFF-SITE SEGMENT 1	M3			
1.02	INCREMENTAL WASTE OFF-SITE SEGMENT 2	M3			
1.03	INCREMENTAL WASTE OFF-SITE SEGMENT 4	M3			
	TO-DATE QUANTIITY SUBMITTED:	M3			
	TOTAL SECTION 1 - INCREMENTAL WASTE OFF-SITE	M3			
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
2.01	INCREMENTAL IMPORT TO SITE SEGMENT 1	M3			
2.02	INCREMENTAL IMPORT TO SITE SEGMENT 2	M3			
2.03	INCREMENTAL IMPORT TO SITE SEGMENT 4	M3			
	TO-DATE QUANTIITY SUBMITTED (NOT INCL. FH BRIDGE):	M3			
2.04	INCREMENTAL IMPORT TO SITE FRASER HEIGHTS BRIDGE	M3			
	TO-DATE FRASER HEIGHTS BRIDGE QUANTITY SUBMITTED**:	M3			
	TOTAL SECTION 2 - INCREMENTAL IMPORT TO SITE	M3			
	SECTION 3 - PIT DEVELOPMENT				
3.01	PIT DEVELOPMENT	LS			
3.02	CRUSHING AT JACKSON PIT	LS			
3.03	PRELOADS HAUL ROAD CONSTRUCTION	LS			
	TOTAL SECTION 3 - PIT DEVELOPMENT	LS			
	SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
4.01	ADDITIONAL TRUCK BOSSES SEGMENT 1	HRS			
4.02	ADDITIONAL CLERK SEGMENT 2	HRS			
4.03	ADDITIONAL TRUCK BOSSES SEGMENT 2	HRS			
4.04	ADDITIONAL CLERK SEGMENT 4	HRS			
4.05	ADDITIONAL SURVEYORS SEGMENT 4	HRS			
4.06	ADDITIONAL TRUCK BOSSES SEGMENT 4	HRS			
	TOTAL SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 5 - ADDITIONAL INSURANCE				
5.01	ADDITIONAL INSURANCE SEGMENT 1	LS			
5.02	ADDITIONAL INSURANCE SEGMENT 2	LS			
5.03	ADDITIONAL INSURANCE SEGMENT 4	LS			
	TOTAL SECTION 5 - ADDITIONAL INSURANCE				

Kiewit FLATIRON

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 MARCH 27, 2010 TO JUNE 26, 2010
(PARTIAL CC-0060B, CC-0077B, CC-0078B)

23/09/2010

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
			s.17,s.21		
	CONSTRUCTION TENDER SUMMARY				
	SECTION 1 - INCREMENTAL WASTE OFF-SITE				
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
	SECTION 3 - PIT DEVELOPMENT				
	SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 5 - ADDITIONAL INSURANCE				
	TOTAL CONSTRUCTION TENDER				
A1.01	SECTION A - WORK BY OTHERS				
	TOTAL SECTION A - WORK BY OTHERS				
B1.01	SECTION B - WORK BY MOTH				
	TOTAL SECTION B - WORK BY MOTH				
C1.01	SECTION C - MATERIAL SUPPLIED BY MOTH				
	TOTAL SECTION C - MATERIAL SUPPLIED BY MOTH				
D1.01	SECTION D - INDIRECTS				
	STAFF / QC / JOB EXPENSES SEGMENT 1	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 2	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 4	HRS			
	JV MANAGEMENT FEE	%			
	TOTAL SECTION D - INDIRECTS				
	SUBTOTAL JOBSITE CONSTRUCTION				
E1.01	SECTION E - DESIGN				
	TOTAL SECTION E - DESIGN				
	TOTAL JOBSITE CONSTRUCTION PLUS DESIGN				
	PROJECT SUMMARY				
	CONTRUCTION TENDER				
	SECTION A - WORK BY OTHERS				
	SECTION B - WORK BY MOTH				
	SECTION C MATERIAL SUPPLIED BY MOTH				
	SECTION D - INDIRECTS				
	SECTION E - DESIGN				
	SUBTOTAL				
	PROFIT & OVERHEAD				
	Billing Correction Segment 2 to Oct 31, 2009 (CC-0028)				
	Revised Waste Haul Volumes to Oct 31, 2009 (CC-0028)				
	Revised Waste Haul Volumes Nov 1, 2009 to Mar 26, 2010 (CC-0053)				
	TOTAL PROJECT				

** Import to Fraser Heights Bridge will be credited back after the execution of the Fraser Heights Bridge Brown Pit Change Order.

Kiewit
FLATIRON

Port Mann Highway Improvement Project

Gravel s.17 March 27, 2010 to June 26, 2010
(Partial CC-0060B, CC-0077B, CC-0078B)

Proposed Monthly Payment Schedule:

23-Sep-10

Gravel Supply and Waste	
Month	Payment Amount
October, 2010	s.17
Total:	

Suite #201 – 3773 Still Creek Ave,
Burnaby, BC V5C 4E2
Tel: 604-629-5419, Fax: 604-454-3596

23/09/2010

Kiewit
FLATIRON

K/F Equipment Rate Schedule:

Kiewit Standard Estimating Rates for 2010 ($/Hr):

	s.21
CAT D6 DOZER	
CAT D7 DOZER	
CAT D8 DOZER	
CAT 12 GRADER	
CAT 320 BACKHOE	
CAT 330 BACKHOE	
CAT 345 BACKHOE	
CAT 950 LOADER	
CAT 966 LOADER	
CAT 980H LOADER	
TRIAXLE HAUL TRUCK	
F-150 PICKUP 4x2 (FOREMAN)	
F-250 PICKUP 4x2 (FOREMAN)	
F-150 PICKUP 4x2 (STAFF)	

Kiewit/Flatiron General Partnership
Port Mann Highway 1 Project

Suite #201 – 3773 Still Creek Ave,
Burnaby, BC V5C 4E2
Tel: 604-629-5419, Fax: 604-454-3596

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

December 16, 2010

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-101216-KY1

Your File No. N/A

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

Re: Authority Change CC-0100A – Gravel s.17 up to July 24, 2010

Pursuant to the DBA, Part 7, Section 7.1 and Schedule 11, we herby issue you a request for an Authority Change (Part A) to address Gravel Supply and Disposal s.17 differential costs from June 27 to July 24, 2010.

Please provide us a corresponding Part B (a Change Report) as per the schedule 11, Part 2, Item 2.3.

Sincerely,

Gary Webster
Authority's Representative

Attachment: CC-0100A – Gravel s.17 up to July 24 2010

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Change Process
Part A – Notice

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0100A

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

PART A. AUTHORITY CHANGE NOTICE

Subject: Gravel s.17 up to July 24 2010

A1. Description of Proposed Authority Change

The scope of the proposed change is to cover Gravel Supply and Disposal s.17 costs as a result of Brown Pit being unavailable in accordance with Schedule 8. These costs are to be for differential costs incurred up to July 24, 2010.

Reference Materials: N/A

Attachments:

A2. Payment

Is a cost Increase expected? Yes ☒ No ☐

If a cost increase is expected:

- **Is it expected to exceed $300,000?** Yes ☒ No ☐ n/a ☐
- **Is Constructor required to obtain competitive tenders and submit a Bid Price?** Yes ☐ No ☒ n/a ☐

A3. Schedule

Change Completion Date: July 24 2010

Signed: P.P.

Name: Gary Webster, P.Eng.

Date: December 16, 2010

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

December 17, 2010

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-101217-KY3

Your File No. KF-TIC-LTR-2010.0382.0
KF-TIC-LTR-2010.0447.0

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

Re: Change Certificate – CC-0100 – Gravel s.17 up to July 24, 2010

Further to your letter (K/F Ref. No. KF-TIC-LTR-2010.0447.0) dated December 16 2010, please find attached Change Certificate CC-0100 in the amount of s.17,s.21 s.17,s.21 plus HST for additional work scope as described in your change report.

Sincerely,

Gary Webster
Authority's Representative

Attachment: CC-0100- S0 - Gravel s.17 up to July 24 2010

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Transportation Investment Corporation

Change Certificate

Port Mann Highway 1 Project

Ref. No:	CC-0100

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

CHANGE CERTIFICATE

Subject:	S0 - Gravel s.17 up to July 24 2010

To be completed by the Authority:

Proposed by				**Authority**	☒	**Constructor**	☐
K/F Reference				**KF-TIC-LTR-2010-0447.0, KF-TIC-LTR-2010-0382.0-Part B and all attached documents**			
Authority's Reference				CC-0100A and LTC-CNG-KF-101216-KY1			
Type of Change Request	**Minor Works**	☐	**Value Engineering**	☐	**Authority Change**	☒	**DBA Change** ☐
Authority accepts the Constructor Proposal			**Yes**	☐	**No**	☐	**n/a** ☒
Authority accepts Cost of Proposed Change			**Yes**	☒	**No**	☐	**n/a** ☐
Authority requires Constructor to obtain offer of finance to fund Capital Cost Increase			**Yes**	☐	**No**	☒	**n/a** ☐
Anticipated consequential amendments to DBA			**Yes**	☐	**No**	☒	**n/a** ☐

Note:

Signed:

Authority's Representative

Name: Gary Webster, P.Eng.

Date: December 17, 2010

Kiewit
FLATIRON
general partnership

October 18, 2010 File: KF-TIC-LTR-2010.0382.0

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: Authority Change – Gravel s.17 up to July 24 2010 ("Partial #2" CC-0060B, CC-0077B & CC-0078B)

We write in response to your letter LTR-CNG-KF-100709-KY2 dated July 9, 2010 containing the Part A forms (CC-0060A, CC-0077A & CC-0078A) for the remaining Gravel Supply and Disposal s.17 differential costs.

The differential price includes the incremental hauls and dump fees for waste material disposal at alternate sites and the incremental hauls and supply costs for imported backfill materials from alternate sources. From June 27, 2010 to July 24, 2010, K/F has taken s.17,s.21 of material to waste off-site and has imported s.17,s.21 of import material from off-site as a replacement to the Brown Pit gravel source and waste disposal site.

The differential price associated with using the alternate dump sites and material sources for this billing is s.17,s.21 Provincial Sales Tax (PST) is included in the price for materials received up to June 30, 2010. Additional costs and schedule delays associated with Brown Pit for impacted site production, support services, and additional risks are currently being investigated and are not included in this amount. K/F reserves the right to add these costs to the Change Order amount at a later date once quantified.

Enclosed with this letter is full backup documentation to support the amount provided with the Part B form, an overall price breakdown, and an invoicing schedule. K/F owned equipment rates included in the pricing are based on Kiewit's standard estimating rates. A schedule of rates for K/F owned equipment is also included.

Kiewit/Flatiron is currently pricing the remaining costs associated with change orders CC-0066, CC-0077 and CC-0078 and will provide to TI Corp. as soon as available.

Kiewit
FLATIRON
general partnership

Sincerely,

Kiewit/Flatiron General Partnership

Frank Margitan
Project Director

Encl:
Part B – Change Report

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial #2" CC-0060B, CC-0077B & CC-0078B

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);
Part B if applicable – Change Report (completed by the Constructor);
Change Certificate (completed by the Authority's Representative).

PART B. CHANGE APPRAISAL		
Subject:	**Authority Change – Gravel** s.17 **from June 27, 2010 to July 24, 2010**	
To be completed by Constructor:		
B1. Payment		
Fixed Price:	s.17	
HST Amount (12%):		
Total Price:		
If applicable and where not covered by the Fixed Price or Bid Price:	n/a	
• Capital Cost Increase/Decrease:	n/a	
• Recurrent Cost Increase/Decrease:	n/a	
• Revenue Loss/Gain:	n/a	
Estimate of Change Adjustment:	n/a	
If necessary, provide details below: s.17		

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial #2" CC-0060B, CC-0077B & CC-0078B

Period Cost Breakdown PST/HST included	
Billing through June 30, 2010 (PST included)	s.17
Billing after July 1, 2010	
HST Amount after July 1, 2010 (12% HST)	
Total Billing - June 27, 2010 to July 24, 2010	

B2. Risk Allocation

A material adverse change in overall risk allocation under the Design Build Agreement would result if the Authority Change is implemented: Yes ☐ No ☒

If "yes", provide details below, including margin/premium included in the calculation of the Fixed Price, and/or necessary changes to insurance coverage limits:

B2. Relevant Consents

Relevant Consents are required in order to implement Authority Change: Yes ☐ No ☒

If "yes", provide details below, including list of any Permits, Licences, and/or Approvals, or amendments or revisions thereto, that may be required, and costs and anticipated schedule for obtaining same:

B3. Contractual Implications

If the proposed Authority Change is implemented:

- Constructor's ability to comply with provisions of the Agreement (including but not limited to the Technical Requirements) may be affected: Yes ☐ No ☒

If "yes", provide details below, including details of how such effect may be mitigated, and cost of such mitigation:

If the proposed Authority Change is implemented:

- Changes to the Agreement (including but not limited to the Construction Requirement) are required: Yes ☐ No ☒
- Changes to Part 10 (Payments) of Agreement: Yes ☒ No ☐

If "yes", provide details below:

Existing payment schedule will not be affected; payment schedule for this change is attached.

B4. Schedule Implications

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial #2" CC-0060B, CC-0077B & CC-0078B

Schedule Implications as a result implementing proposed Authority Change:

• Constructor anticipates delay in completion of the Works:	TBD	Yes ☐	No ☐
• Tolling Commencement Target Date is impacted:	TBD	Yes ☐	No ☐
• Substantial Completion Target Date is impacted:		Yes ☐	No ☒
• Total Completion Target Date is impacted:		Yes ☐	No ☒

If "yes", provide details below:

s.17

B5. Property Access Requirements

Access to additional land or additional Rights in respect of land: Yes ☐ No ☒

If "yes", provide details below:

B6. Schedule for Implementation

[Constructor's schedule for implementing Authority Change.]

s.17

B7. Consequential Amendments

Consequential Amendments to the Agreement are anticipated: Yes ☒ No ☐

If "yes", provide details below.

s.17

B8. Attachments

Other documents in support of Change Report are referenced: Yes ☒ No ☐

1. Letter KF-TIC-LTR-2010.0328.0
2. Price Breakdown
3. Supporting Documentation
4. Proposed Monthly Payment Schedule
5. K/F Equipment Rate Schedule

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial #2" CC-0060B, CC-0077B & CC-0078B

Signed: _____

Constructor's Representative

Name: Frank Margitan

Date: October 18, 2010

Kiewit FLATIRON

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 JUNE 27, 2010 TO JULY 24, 2010
(PARTIAL #2 CC-0060B, CC-0077B, CC-0078B)

10/15/2010

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
			s.17,s.21		
	SECTION 1 - INCREMENTAL WASTE OFF-SITE				
1.01	INCREMENTAL WASTE OFF-SITE SEGMENT 1 *	M3			
1.02	INCREMENTAL WASTE OFF-SITE SEGMENT 2	M3			
1.03	INCREMENTAL WASTE OFF-SITE SEGMENT 4	M3			
	TOTAL SECTION 1 - INCREMENTAL WASTE OFF-SITE	**M3**			
	TO-DATE QUANTIITY SUBMITTED:	**M3**			
	* ACTUAL CREDIT RESULTS FROM HIGHER PERCENTAGE OF ACTUAL BACKF				
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
2.01	INCREMENTAL IMPORT TO SITE SEGMENT 1	M3			
2.02	INCREMENTAL IMPORT TO SITE SEGMENT 2	M3			
2.03	INCREMENTAL IMPORT TO SITE SEGMENT 4	M3			
	IMPORT TO FRASER HEIGHTS BRIDGE (INCLUDED IN 2.03 QUANTITY	M3			
	TOTAL SECTION 2 - INCREMENTAL IMPORT TO SITE	**M3**			
	TO-DATE QUANTIITY SUBMITTED (NOT INCL. FH BRIDGE):	**M3**			
	TO-DATE FRASER HEIGHTS BRIDGE QUANTITY SUBMITTED:**	**M3**			
	SECTION 3 - PIT DEVELOPMENT				
3.01	ADDITIONAL PIT DEVELOPMENT	LS			
3.02	INCREASED HAUL ROAD CONSTRUCTION COSTS *	LS			
	* FROM USING RIVER SAND BLEND				
	TOTAL SECTION 3 - PIT DEVELOPMENT	**LS**			
	SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
4.01	ADDITIONAL TRUCK BOSSES SEGMENT 1	HRS			
4.02	ADDITIONAL CLERK SEGMENT 2	HRS			
4.03	ADDITIONAL TRUCK BOSSES SEGMENT 2	HRS			
4.04	ADDITIONAL CLERK SEGMENT 4	HRS			
4.05	ADDITIONAL TRUCK BOSSES SEGMENT 4	HRS			
	TOTAL SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 5 - ADDITIONAL INSURANCE				
5.01	ADDITIONAL INSURANCE SEGMENT 1	LS			
5.02	ADDITIONAL INSURANCE SEGMENT 2	LS			
5.03	ADDITIONAL INSURANCE SEGMENT 4	LS			
	TOTAL SECTION 5 - ADDITIONAL INSURANCE				

Kiewit FLATIRON

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 JUNE 27, 2010 TO JULY 24, 2010
(PARTIAL #2 CC-0060B, CC-0077B, CC-0078B)

10/15/2010

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
	CONSTRUCTION TENDER SUMMARY SECTION 1 - INCREMENTAL WASTE OFF-SITE SECTION 2 - INCREMENTAL IMPORT TO SITE SECTION 3 - PIT DEVELOPMENT SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES SECTION 5 - ADDITIONAL INSURANCE		s.17,s.21		
	TOTAL CONSTRUCTION TENDER				
A1.01	SECTION A - WORK BY OTHERS				
	TOTAL SECTION A - WORK BY OTHERS				
B1.01	SECTION B - WORK BY MOTH				
	TOTAL SECTION B - WORK BY MOTH				
C1.01	SECTION C - MATERIAL SUPPLIED BY MOTH				
	TOTAL SECTION C - MATERIAL SUPPLIED BY MOTH				
D1.01	SECTION D - INDIRECTS				
	STAFF / QC / JOB EXPENSES SEGMENT 1	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 2	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 4	HRS			
	JV MANAGEMENT FEE	%			
	TOTAL SECTION D - INDIRECTS				
	SUBTOTAL JOBSITE CONSTRUCTION				
E1.01	SECTION E - DESIGN				
	TOTAL SECTION E - DESIGN				
	TOTAL JOBSITE CONSTRUCTION PLUS DESIGN				
	PROJECT SUMMARY CONTRUCTION TENDER SECTION A - WORK BY OTHERS SECTION B - WORK BY MOTH SECTION C MATERIAL SUPPLIED BY MOTH SECTION D - INDIRECTS SECTION E - DESIGN SUBTOTAL PROFIT & OVERHEAD				
	TOTAL PROJECT				

** Import to Fraser Heights Bridge will be credited back after the execution of the Fraser Heights Bridge Brown Pit Change Order.

Kiewit FLATIRON
a general partnership

LTR OUT-AUTH 153

RECEIVED
TRANSPORTATION INVESTMENT CORPORATION
PMH1
FEB 02 2010
SITE OFFICE, DOCUMENT CONTROL

Date: 01/20/2010

Attn: Gary Webster

Sent By: Frank Margitan

To: Transportation Investment Corporation (TIC)

From: Port Mann - Highway 1 Project
1111 W. Georgia Street, Suite 1410,
Vancouver, BC V6E 4M3
Tel: (604) 629-5419 | Fax: (604) 629-0310

Subject: Gravel s.17 up to Oct.31,2009 (CC-0028)

Description:

K/F is supplying the Part B for cost incurred from omitting Brown Pit from the DBA up to Oct.31, 2009.
Supporting documents have been provided to TIC in a meeting on February 1st, 2010.

K/F Ref. #: KF-TIC-LTR-2010.0153.0

Attachments:

Doc Name/Description:
S0_KF-TIC_LTR_2010-0153_Equipment-Rate.pdf
S0_KF-TIC_LTR_2010-0153_Price-Breakdown.pdf
S0_KF-TIC_LTR_2010-0153.pdf
S0_KF-TIC_LTR_2010-0153_PartB-Change-Report.pdf
S0_KF-TIC_LTR_2010-0153_Payment-Schedule.pdf

TRANSPORTATION INVESTMENT CORPORATION
PMH1

SENT ELECTRONICALLY	Y	N
GW		
GGF		
GW		
SNO		
KK		
FILE: PMH1 ICSA		

Print Name: GEMMA OREILLY **Signature:** GOR **Date:** 2-Feb-2010

Kiewit
FLATIRON
general partnership

January 29, 2010 File: KF-TIC-LTR-2010.0153.0

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: Authority Change – Gravel s.17 **up to October 31 2009 (CC-0028A)**

We write in response to your letter LTR-CNG-KF-091215-KY1 dated December 15, 2009 containing the Part A form (CC-0028A) for Gravel Supply and Disposal s.17 differential costs up to October 31, 2009.

The differential costs include the incremental hauls and dump fees for waste material disposal at alternate sites and the incremental hauls and supply costs for imported backfill materials from alternate sources. Up to October 31, 2009, K/F has taken s.17,s.21 of material to waste off-site and has imported s.17,s.21 of backfill material from off-site as a replacement to the Brown Pit gravel source and waste disposal site.

The differential cost associated with using the alternate dump sites and material sources up to October 31, 2009 is s.17,s.21 plus GST. Enclosed with this letter is full backup documentation to support the claimed amount, along with the Part B form, an overall price breakdown, and an invoicing schedule. K/F owned equipment rates included in the pricing are based on Kiewit's standard estimating rates. A schedule of rates for K/F owned equipment is also included.

Should you have any queries, please contact the undersigned.

Sincerely,

Kiewit/Flatiron General Partnership

for Frank Margitan
Project Director

Encl:

1. Part B – Change Report
2. Price Breakdown
3. Supporting Documentation
4. Proposed Monthly Payment Schedule
5. K/F Equipment Rate Schedule

Kiewit FLATIRON general partnership

29/01/2010

K/F Equipment Rate Schedule:

Kiewit Standard Estimating Rates for 2009 ($/Hr):

	s.21
CAT D4 DOZER	
CAT D5 DOZER	
CAT D6 DOZER	
CAT D7 DOZER	
CAT 12 GRADER	
CAT 320/330 BACKHOE	
CAT IT-38 LOADER	
CAT 950 LOADER	
CAT 966 LOADER	
CAT 980H LOADER	
TRIAXLE HAUL TRUCK	
F-150 PICKUP 4x2 (FOREMAN)	
F-250 PICKUP 4x2 (FOREMAN)	
F-150 PICKUP 4x2 (STAFF)	

Peter Kiewit Sons Co.
CONTRACTORS

Suite 1410, 1111 West Georgia St.
Tel: 604-629-5419
Fax: 604-629-0310

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0028B

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Change Report (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

PART B. CHANGE APPRAISAL

Subject:	Authority Change – Gravel s.17 up to October 31 2009

To be completed by Constructor:

B1. Payment

Fixed Price:	s.17	
Bid Price:	n/a	
If applicable and where not covered by the Fixed Price or Bid Price:	n/a	
• **Capital Cost Increase/Decrease:**	n/a	
• **Recurrent Cost Increase/Decrease:**	n/a	
• **Revenue Loss/Gain:**	n/a	
Estimate of Change Adjustment:	n/a	

If necessary, provide details below:

B2. Risk Allocation

A material adverse change in overall risk allocation under the Design Build Agreement would result if the Authority Change is implemented: Yes ☐ No ☒

If "yes", provide details below, including margin/premium included in the calculation of the Fixed Price, and/or necessary changes to insurance coverage limits:

B2. Relevant Consents

Relevant Consents are required in order to implement Authority Change: Yes ☐ No ☒

If "yes", provide details below, including list of any Permits, Licences, and/or Approvals, or amendments or revisions thereto, that may be required, and costs and anticipated schedule for obtaining same:

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0028B

B3. Contractual Implications

If the proposed Authority Change is implemented:

- **Constructor's ability to comply with provisions of the Agreement (including but not limited to the Technical Requirements) may be affected:** Yes ☐ No ☒

If "yes", provide details below, including details of how such effect may be mitigated, and cost of such mitigation:

If the proposed Authority Change is implemented:

- **Changes to the Agreement (including but not limited to the Construction Requirement) are required:** Yes ☐ No ☒
- **Changes to Part 10 (Payments) of Agreement:** Yes ☒ No ☐

If "yes", provide details below:

Existing payment schedule will not be affected; payment schedule for this change is attached.

B4. Schedule Implications

Schedule Implications as a result implementing proposed Authority Change:

- **Constructor anticipates delay in completion of the Works:** Yes ☐ No ☒
- **Tolling Commencement Target Date is impacted:** Yes ☐ No ☒
- **Substantial Completion Target Date is impacted:** Yes ☐ No ☒
- **Total Completion Target Date is impacted:** Yes ☐ No ☒

If "yes", provide details below:

B5. Property Access Requirements

Access to additional land or additional Rights in respect of land: Yes ☐ No ☒

If "yes", provide details below:

B6. Schedule for Implementation

[Constructor's schedule for implementing Authority Change.]

To be completed with project works

B7. Consequential Amendments

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0028B

Consequential Amendments to the Agreement are anticipated: Yes ☐ No ☒

If "yes", provide details below.

B8. Attachments

Other documents in support of Change Report are referenced: Yes ☒ No ☐

1. Letter KF-TIC-LTR-2010.0153.0
2. Price Breakdown
3. Supporting Documentation
4. Proposed Monthly Payment Schedule
5. K/F Equipment Rate Schedule

Signed:

Constructor's Representative

Name: Frank Margitan

Date: January 29, 2010

Port Mann Highway Improvement Project
Gravel s.17 up to October 31 2009 (CC-0028B)

Proposed Monthly Payment Schedule:

29-Jan-10

Gravel Supply and Waste Disposal s.17 up to October 31,2009 (CC-0028A) Additional Work	
Month	Payment Amount
February, 2010	s.17
Total	

Peter Kiewit Sons Co.
CONTRACTORS

Suite 1410, 1111 West Georgia St.
Tel: 604-629-5419
Fax: 604-629-0310

Kiewit FLATIRON

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 TO OCTOBER 31, 2009 (CC-0028B)

29/01/2010

	DESCRIPTION OF WORK	UNIT	PKS QUANTITY	UNIT PRICE	EXTENDED AMOUNT
			s.17,s.21		
	SECTION 1 - INCREMENTAL WASTE OFF-SITE				
1.01	INCREMENTAL WASTE OFF-SITE SEGMENT 1	M3			
1.02	INCREMENTAL WASTE OFF-SITE SEGMENT 2	M3			
1.03	INCREMENTAL WASTE OFF-SITE SEGMENT 4	M3			
	TOTAL SECTION 1 - INCREMENTAL WASTE OFF-SITE	**M3**			
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
2.01	INCREMENTAL IMPORT TO SITE SEGMENT 1	M3			
2.02	INCREMENTAL IMPORT TO SITE SEGMENT 2	M3			
2.03	INCREMENTAL IMPORT TO SITE SEGMENT 4	M3			
	TOTAL SECTION 2 - INCREMENTAL IMPORT TO SITE	**M3**			
	SECTION 3 - ADDITIONAL CLERKS / TRUCK BOSSES				
3.01	ADDITIONAL TRUCK BOSSES SEGMENT 1	HRS			
3.02	ADDITIONAL TRUCK BOSSES SEGMENT 2	HRS			
3.03	ADDITIONAL CLERK SEGMENT 4	HRS			
3.04	ADDITIONAL TRUCK BOSSES SEGMENT 4	HRS			
	TOTAL SECTION 3 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 4 - ADDITIONAL INSURANCE				
4.01	ADDITIONAL INSURANCE SEGMENT 1	LS			
4.02	ADDITIONAL INSURANCE SEGMENT 2	LS			
4.03	ADDITIONAL INSURANCE SEGMENT 4	LS			
	TOTAL SECTION 4 - ADDITIONAL INSURANCE				
	CONSTRUCTION TENDER SUMMARY				
	SECTION 1 - INCREMENTAL WASTE OFF-SITE				
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
	SECTION 3 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 4 - ADDITIONAL INSURANCE				
	TOTAL CONSTRUCTION TENDER				

	DESCRIPTION OF WORK	UNIT	PKS QUANTITY s.17,s.21	UNIT PRICE	EXTENDED AMOUNT
A1.01	SECTION A - WORK BY OTHERS				
	TOTAL SECTION A - WORK BY OTHERS				
B1.01	SECTION B - WORK BY MOTH				
	TOTAL SECTION B - WORK BY MOTH				
C1.01	SECTION C - MATERIAL SUPPLIED BY MOTH				
	TOTAL SECTION C - MATERIAL SUPPLIED BY MOTH				
D1.01	SECTION D - DIRECT SUPERVISION				
	STAFF / QC / JOB EXPENSES SEGMENT 1	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 2	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 4	HRS			
	TOTAL SECTION D - DIRECT SUPERVISION				
	SUBTOTAL DIRECT WORK				
E1.01	SECTION E - DESIGN				
	TOTAL SECTION E - DESIGN				
	TOTAL DIRECT PLUS DESIGN				
F1.01	SECTION F - JOINT VENTURE MANAGEMENT FEE				
	TOTAL SECTION F - JV MANAGEMENT FEE	%			
	TOTAL WITH JV MANAGEMENT FEE				
	PROJECT SUMMARY CONTRUCTION TENDER SECTION A - WORK BY OTHERS SECTION B - WORK BY MOTH SECTION C MATERIAL SUPPLIED BY MOTH SECTION D - DIRECT FIELD SUPERVISION SECTION E - DESIGN SECTION F - JOINT VENTURE MANAGEMENT FEE SUBTOTAL PROFIT & OVERHEAD				
	TOTAL PROJECT				

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-10-11 at 8:11 AM
Received:	2012-10-11 at 8:11 AM
Subject:	FW: Gravel - Question #1 (2 of 2 emails)
Attachments:	LTR-CNG-KF-101216-KY2 (101).pdf LTR-CNG-KF-101217-KY4 (101).pdf S0_KF-TIC_LTR_2010.0390 (101).pdf LTR-CNG-KF-110217-KY2 (104).pdf LTR-CNG-KF-110218-KY1 (104).pdf S0_KF-TIC_LTR_2010.0436 (104).pdf LTR-CNG-KF-110314-KY1 (107).pdf LTR-CNG-KF-110412-KY2 (107).pdf S0_KF-TIC_LTR_2011.0505 (107).pdf

Pat,

Please print all off.

Txs,

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Thursday, October 11, 2012 7:59 AM
To: Krikke, Thomas G; Chapman, Rodney L TRAN:EX
Subject: RE: Gravel - Question #1 (2 of 2 emails)

Hello Rodney:

I will answer your questions with generally one email per question (as limited by the size of attachments). second email due to size of attachments.

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Wednesday, October 10, 2012 2:54 PM
To: Krikke, Thomas G

Subject: Gravel

Thomas:

Upon reviewing my notes further and recalling a number of topics from the three meetings in 2010/11, I have the following questions:

s.17

Page 524

Withheld pursuant to/removed as

s.17

s.17

Rodney Chapman

Director

Construction & Maintenance Branch

****
Any tax advice herein is based on the facts provided to us and on current tax law including judicial and
administrative interpretation. Tax law is subject to continual change, at times on a retroactive
basis and may result in incremental taxes, interest or penalties. Should the facts provided to us
be incorrect or incomplete or should the law or its interpretation change, our advice may be
inappropriate. We are not responsible for updating our advice for changes in law or interpretation after the date hereof. The advice or other information provided herein is
confidential and may be privileged and is for the sole use of KPMG's client. The advice is based
on the specific facts and circumstances and the scope of KPMG's engagement and associated
terms of engagement as the case may be and is not intended to be relied upon by any other person.
KPMG disclaims any responsibility or liability for any reliance that any person other than
the client may place on this advice. If you are not the intended recipient, any disclosure,
copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.
****

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

December 16, 2010

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-101216-KY2

Your File No. N/A

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

Re: Authority Change CC-0101A – Gravel s.17 **up to August 28, 2010**

Pursuant to the DBA, Part 7, Section 7.1 and Schedule 11, we herby issue you a request for an Authority Change (Part A) to address Gravel Supply and Disposal s.17 differential costs from July 25 to August 28, 2010.

Please provide us a corresponding Part B (a Change Report) as per the schedule 11, Part 2, Item 2.3.

Sincerely,

P.P.

Gary Webster
Authority's Representative

Attachment: CC-0101A – Gravel s.17 up to August 28 2010

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Change Process
Part A – Notice

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0101A

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

PART A. AUTHORITY CHANGE NOTICE

Subject:	Gravel s.17 up to August 28 2010

A1. Description of Proposed Authority Change

The scope of the proposed change is to cover Gravel Supply and Disposal s.17 costs as a result of Brown Pit being unavailable in accordance with Schedule 8. These costs are to be for differential costs incurred up to August 28, 2010.

Reference Materials: N/A

Attachments:

A2. Payment

Is a cost Increase expected? Yes ☒ No ☐

If a cost increase is expected:

- **Is it expected to exceed $300,000?** Yes ☒ No ☐ n/a ☐
- **Is Constructor required to obtain competitive tenders and submit a Bid Price?** Yes ☐ No ☒ n/a ☐

A3. Schedule

Change Completion Date:	August 28 2010

Signed: P.P. [signature]

Name: Gary Webster, P.Eng.

Date: December 16, 2010

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

December 17, 2010

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-101217-KY4

Your File No. KF-TIC-LTR-2010.0390.0
KF-TIC-LTR-2010.0448.0

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

Re: Change Certificate – CC-0101 – Gravel s.17 up to August 28, 2010

Further to your letter (K/F Ref. No. KF-TIC-LTR-2010.0448.0) dated December 16 2010, please find attached Change Certificate CC-0101 in the amount of s.17 s.17 s.17 plus HST for additional work scope as described in your change report.

Sincerely,

Gary Webster
Authority's Representative

Attachment: CC-0101 - S0 - Gravel s.17 up to August 28 2010

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Transportation Investment Corporation

Change Certificate

Port Mann Highway 1 Project

Ref. No:	CC-0101

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

CHANGE CERTIFICATE

Subject:	S0 - Gravel s.17 up to August 28 2010

To be completed by the Authority:

Proposed by			**Authority**	☒	**Constructor**	☐	
K/F Reference			**KF-TIC-LTR-2010-0448.0, KF-TIC-LTR-2010-0390.0-Part B and all attached documents**				
Authority's Reference			CC-0101A and LTC-CNG-KF-101216-KY2				
Type of Change Request	**Minor Works** ☐		**Value Engineering** ☐		**Authority Change** ☒		**DBA Change** ☐
Authority accepts the Constructor Proposal			**Yes**	☐	**No**	☐	**n/a** ☒
Authority accepts Cost of Proposed Change			**Yes**	☒	**No**	☐	**n/a** ☐
Authority requires Constructor to obtain offer of finance to fund Capital Cost Increase			**Yes**	☐	**No**	☒	**n/a** ☐
Anticipated consequential amendments to DBA			**Yes**	☐	**No**	☒	**n/a** ☐

Note:

Signed:

Authority's Representative

Name: Gary Webster, P.Eng.

Date: December 16, 2010

Kiewit
FLATIRON
general partnership

November 8, 2010 File: KF-TIC-LTR-2010.0390.0

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: Authority Change – Gravel s.17 up to August 28, 2010 ("Partial #3" CC-0060B, CC-0077B & CC-0078B)

We write in response to your letter LTR-CNG-KF-100709-KY2 dated July 9, 2010 containing the Part A forms (CC-0060A, CC-0077A & CC-0078A) for the remaining Gravel Supply and Disposal s.17 differential costs.

The differential price includes the incremental hauls and dump fees for waste material disposal at alternate sites and the incremental hauls and supply costs for imported backfill materials from alternate sources. From July 25, 2010 to August 28, 2010, K/F has taker s.17 of material to waste off-site and has imported s.17 of import material from off-site as a replacement to the Brown Pit gravel source and waste disposal site.

The differential price associated with using the alternate dump sites and material sources for this billing is s.17 Additional costs and schedule delays associated with Brown Pit for impacted site production, support services, and additional risks are currently being investigated and are not included in this amount. K/F reserves the right to add these costs to the Change Order amount at a later date once quantified.

Enclosed with this letter is full backup documentation to support the amount provided with the Part B form, an overall price breakdown, and an invoicing schedule. K/F owned equipment rates included in the pricing are based on Kiewit's standard estimating rates. A schedule of rates for K/F owned equipment is also included.

Kiewit/Flatiron is currently pricing the remaining costs associated with change orders CC-0066, CC-0077 and CC-0078 and will provide to TI Corp. as soon as available.

Kiewit
FLATIRON
general partnership

Sincerely,

Kiewit/Flatiron General Partnership

Frank Margitan
Project Director

Encl:
Part B – Change Report

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial #3" CC-0060B, CC-0077B & CC-0078B

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);
Part B if applicable – Change Report (completed by the Constructor);
Change Certificate (completed by the Authority's Representative).

PART B. CHANGE APPRAISAL

Subject:	Authority Change – Gravel s.17 from July 25, 2010 to August 28, 2010

To be completed by Constructor:

B1. Payment

Fixed Price:	s.17	
HST Amount (12%):		
Total Price:		
If applicable and where not covered by the Fixed Price or Bid Price: • Capital Cost Increase/Decrease: • Recurrent Cost Increase/Decrease: • Revenue Loss/Gain:		
Estimate of Change Adjustment:		

If necessary, provide details below:
s.17

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial #3" CC-0060B, CC-0077B & CC-0078B

B2. Risk Allocation

A material adverse change in overall risk allocation under the Design Build Agreement would result if the Authority Change is implemented: Yes ☐ No ☒

If "yes", provide details below, including margin/premium included in the calculation of the Fixed Price, and/or necessary changes to insurance coverage limits:

B2. Relevant Consents

Relevant Consents are required in order to implement Authority Change: Yes ☐ No ☒

If "yes", provide details below, including list of any Permits, Licences, and/or Approvals, or amendments or revisions thereto, that may be required, and costs and anticipated schedule for obtaining same:

B3. Contractual Implications

If the proposed Authority Change is implemented:

- Constructor's ability to comply with provisions of the Agreement (including but not limited to the Technical Requirements) may be affected: Yes ☐ No ☒

If "yes", provide details below, including details of how such effect may be mitigated, and cost of such mitigation:

If the proposed Authority Change is implemented:

- Changes to the Agreement (including but not limited to the Construction Requirement) are required: Yes ☐ No ☒
- Changes to Part 10 (Payments) of Agreement: Yes ☒ No ☐

If "yes", provide details below:

Existing payment schedule will not be affected; payment schedule for this change is attached.

B4. Schedule Implications

Schedule Implications as a result implementing proposed Authority Change:

- Constructor anticipates delay in completion of the Works: TBD Yes ☐ No ☐
- Tolling Commencement Target Date is impacted: TBD Yes ☐ No ☐
- Substantial Completion Target Date is impacted: TBD Yes ☐ No ☐
- Total Completion Target Date is impacted: TBD Yes ☐ No ☐

If "yes", provide details below:

s.17

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial #3" CC-0060B, CC-0077B & CC-0078B

B5. Property Access Requirements

Access to additional land or additional Rights in respect of land: Yes ☐ No ☒

If "yes", provide details below:

B6. Schedule for Implementation

[Constructor's schedule for implementing Authority Change.]

To be completed with project works

B7. Consequential Amendments

Consequential Amendments to the Agreement are anticipated: Yes ☒ No ☐

If "yes", provide details below.

Additional costs and schedule delays for impacts to site productions, support services, and additional risks to be added to the change order amount at a later date.

B8. Attachments

Other documents in support of Change Report are referenced: Yes ☒ No ☐

1. Letter KF-TIC-LTR-2010.0390.0
2. Price Breakdown
3. Supporting Documentation
4. Proposed Monthly Payment Schedule
5. K/F Equipment Rate Schedule

Signed: _____

Constructor's Representative

Name: Frank Margitan

Date: November 8, 2010

Kiewit FLATIRON

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 JULY 25, 2010 TO AUGUST 28, 2010
(PARTIAL #2 CC-0060B, CC-0077B, CC-0078B)

11/5/2010

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
	SECTION 1 - INCREMENTAL WASTE OFF-SITE		s.17,s.21		
1.01	INCREMENTAL WASTE OFF-SITE SEGMENT 1 *	M3			
1.02	INCREMENTAL WASTE OFF-SITE SEGMENT 2	M3			
1.03	INCREMENTAL WASTE OFF-SITE SEGMENT 4	M3			
	TOTAL SECTION 1 - INCREMENTAL WASTE OFF-SITE	**M3**			
	TO-DATE QUANTIITY SUBMITTED:	**M3**			
	* ACTUAL CREDIT RESULTS FROM HIGHER PERCENTAGE OF ACTUAL BACKHAUL				
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
2.01	INCREMENTAL IMPORT TO SITE SEGMENT 1	M3			
2.02	INCREMENTAL IMPORT TO SITE SEGMENT 2	M3			
2.03	INCREMENTAL IMPORT TO SITE SEGMENT 4	M3			
	IMPORT TO FRASER HEIGHTS BRIDGE (INCLUDED IN 2.03 QUANTITY)	M3			
	TOTAL SECTION 2 - INCREMENTAL IMPORT TO SITE	**M3**			
	TO-DATE QUANTIITY SUBMITTED (NOT INCL. FH BRIDGE):	**M3**			
	TO-DATE FRASER HEIGHTS BRIDGE QUANTITY SUBMITTED**:	**M3**			
	SECTION 3 - PIT DEVELOPMENT				
3.01	ADDITIONAL PIT DEVELOPMENT	LS			
3.02	INCREASED HAUL ROAD CONSTRUCTION COSTS *	LS			
	* FROM USING RIVER SAND BLEND				
	TOTAL SECTION 3 - PIT DEVELOPMENT	**LS**			
	SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
4.01	ADDITIONAL TRUCK BOSSES SEGMENT 1	HRS			
4.02	ADDITIONAL CLERK SEGMENT 2	HRS			
4.03	ADDITIONAL TRUCK BOSSES SEGMENT 2	HRS			
4.04	ADDITIONAL CLERK SEGMENT 4	HRS			
4.05	ADDITIONAL TRUCK BOSSES SEGMENT 4	HRS			
	TOTAL SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 5 - ADDITIONAL INSURANCE				
5.01	ADDITIONAL INSURANCE SEGMENT 1	LS			
5.02	ADDITIONAL INSURANCE SEGMENT 2	LS			
5.03	ADDITIONAL INSURANCE SEGMENT 4	LS			
	TOTAL SECTION 5 - ADDITIONAL INSURANCE				

Kiewit FLATIRON

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 JULY 25, 2010 TO AUGUST 28, 2010
(PARTIAL #2 CC-0060B, CC-0077B, CC-0078B)

11/5/2010

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
			s.17,s.21		
	CONSTRUCTION TENDER SUMMARY				
	SECTION 1 - INCREMENTAL WASTE OFF-SITE				
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
	SECTION 3 - PIT DEVELOPMENT				
	SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 5 - ADDITIONAL INSURANCE				
	TOTAL CONSTRUCTION TENDER				
A1.01	SECTION A - WORK BY OTHERS				
	TOTAL SECTION A - WORK BY OTHERS				
B1.01	SECTION B - WORK BY MOTH				
	TOTAL SECTION B - WORK BY MOTH				
C1.01	SECTION C - MATERIAL SUPPLIED BY MOTH				
	TOTAL SECTION C - MATERIAL SUPPLIED BY MOTH				
D1.01	SECTION D - INDIRECTS				
	STAFF / QC / JOB EXPENSES SEGMENT 1	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 2	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 4	HRS			
	JV MANAGEMENT FEE	%			
	TOTAL SECTION D - INDIRECTS				
	SUBTOTAL JOBSITE CONSTRUCTION				
E1.01	SECTION E - DESIGN				
	TOTAL SECTION E - DESIGN				
	TOTAL JOBSITE CONSTRUCTION PLUS DESIGN				
	PROJECT SUMMARY				
	CONTRUCTION TENDER				
	SECTION A - WORK BY OTHERS				
	SECTION B - WORK BY MOTH				
	SECTION C MATERIAL SUPPLIED BY MOTH				
	SECTION D - INDIRECTS				
	SECTION E - DESIGN				
	SUBTOTAL				
	PROFIT & OVERHEAD				
	TOTAL PROJECT				

** Import to Fraser Heights Bridge will be credited back after the execution of the Fraser Heights Bridge Brown Pit Change Order.

Kiewit
FLATIRON
general partnership

Port Mann Highway Improvement Project

Gravel s.17 July 2, 2010 to August 28, 2010

(Partial #2 CC-0060B, CC-0077B, CC-0078B)

Proposed Monthly Payment Schedule: 5-Nov-10

Gravel Supply and Waste Disposal	
Month	Payment Amount
November, 2010 (HST not included)	s.17
Total:	

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

February 17, 2011

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-110217-KY2

Your File No. N/A

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

Re: Authority Change CC-0104A – Gravel s.17 up to September 25, 2010

Pursuant to the DBA, Part 7, Section 7.1 and Schedule 11, we herby issue you a request for an Authority Change (Part A) to address Gravel Supply and Disposal s.17 differential costs from August 29 to September 25, 2010.

Please provide us a corresponding Part B (a Change Report) as per the schedule 11, Part 2, Item 2.3.

Sincerely,

Gary Webster
Authority's Representative

Attachment: CC-0104A – Gravel s.17 up to September 25 2010

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Change Process
Part A – Notice

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0104A

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

PART A. AUTHORITY CHANGE NOTICE

Subject:	**Gravel** s.17 **up to September 25 2010**

A1. Description of Proposed Authority Change

The scope of the proposed change is to cover Gravel Supply and Disposal s.17 costs as a result of Brown Pit being unavailable in accordance with Schedule 8. These costs are to be for differential costs incurred up to September 25, 2010.

Reference Materials: N/A

Attachments:

A2. Payment

Is a cost Increase expected? **Yes** ☒ **No** ☐

If a cost increase is expected:

- **Is it expected to exceed $300,000?** **Yes** ☒ **No** ☐ **n/a** ☐
- **Is Constructor required to obtain competitive tenders and submit a Bid Price?** **Yes** ☐ **No** ☒ **n/a** ☐

A3. Schedule

Change Completion Date:	**September 25, 2010**

Signed:

Name: Gary Webster, P.Eng.

Date: February 17, 2011

BRITISH COLUMBIA
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Port Mann / Highway 1 Project

Transportation Investment Corporation

February 18, 2011

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-110218-KY1

Your File No. KF-TIC-LTR-2010.0436.0
KF-TIC-LTR-2011.0483.0

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

Re: Change Certificate – CC-0104 – Gravel s.17 **up to September 25, 2010**

Further to your letter (K/F Ref. No. KF-TIC-LTR-2010.0483.0) dated February 17 2011, please find attached Change Certificate CC-0104 in the amount of s.17
s.17,s.21 plus HST for additional work scope as described in your change report.

Sincerely,

Gary Webster
Authority's Representative

Attachment: CC-0104 - S0 - Gravel s.17 up to September 25 2010

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Transportation Investment Corporation

Change Certificate

Port Mann Highway 1 Project

Ref. No:	CC-0104

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

CHANGE CERTIFICATE

Subject:	S0 - Gravel s.17 up to September 25 2010

To be completed by the Authority:

Proposed by			**Authority** ☒		**Constructor** ☐	
K/F Reference			**KF-TIC-LTR-2011-0483.0, KF-TIC-LTR-2010-0436.0-Part B and all attached documents**			
Authority's Reference			CC-0104A and LTC-CNG-KF-110217-KY2			
Type of Change Request	**Minor Works** ☐		**Value Engineering** ☐		**Authority Change** ☒	**DBA Change** ☐
Authority accepts the Constructor Proposal			**Yes** ☐		**No** ☐	**n/a** ☒
Authority accepts Cost of Proposed Change			**Yes** ☒		**No** ☐	**n/a** ☐
Authority requires Constructor to obtain offer of finance to fund Capital Cost Increase			**Yes** ☐		**No** ☒	**n/a** ☐
Anticipated consequential amendments to DBA			**Yes** ☐		**No** ☒	**n/a** ☐

Note:

Signed:

Authority's Representative

Name: Gary Webster, P.Eng.

Date: February 18, 2011

Kiewit
FLATIRON
general partnership

December 3, 2010 File: KF-TIC-LTR-2010.0436.0

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: Authority Change –Gravel s.17 up to September 25, 2010 ("Partial" CC-0060B, CC-0077B & CC-0078B)

We write in response to your letter LTR-CNG-KF-100709-KY2 dated July 9, 2010 containing the Part A forms (CC-0060A, CC-0077A & CC-0078A) for the remaining Gravel Supply and Disposal s.17 differential costs.

K/F requests a Part C for the Gravel s.17 from August 29, 2010 to September 25, 2010.

The differential price includes the incremental hauls and dump fees for waste material disposal at alternate sites and the incremental hauls and supply costs for imported backfill materials from alternate sources. From August 29, 2010 to September 25, 2010, K/F has taken s.17 of material to waste off-site and has imported s.17 of import material from off-site as a replacement to the Brown Pit gravel source and waste disposal site.

The differential price associated with using the alternate dump sites and material sources for this billing is s.17 Additional costs and schedule delays associated with Brown Pit for impacted site production, support services, and additional risks are currently being investigated and are not included in this amount. K/F reserves the right to add these costs to the Change Order amount at a later date once quantified.

Enclosed with this letter is full backup documentation to support the amount provided with the Part B form, an overall price breakdown, and an invoicing schedule. K/F owned equipment rates included in the pricing are based on Kiewit's standard estimating rates. A schedule of rates for K/F owned equipment is also included.

Kiewit/Flatiron is currently pricing the remaining costs associated with change orders CC-0066, CC-0077 and CC-0078 and will provide to TI Corp. as soon as available.

Kiewit
FLATIRON
general partnership

Sincerely,

Kiewit/Flatiron General Partnership

for Frank Margitan
Project Director

Encl:
Part B – Change Report

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial" CC-0060B, CC-0077B & CC-0078B

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);
Part B if applicable – Change Report (completed by the Constructor);
Change Certificate (completed by the Authority's Representative).

PART B. CHANGE APPRAISAL

Subject:	Authority Change – Gravel s.17 from August 29, 2010 to September 25, 2010

To be completed by Constructor:

B1. Payment

Fixed Price:	s.17	
HST Amount (12%):		
Total Price:		
If applicable and where not covered by the Fixed Price or Bid Price: • Capital Cost Increase/Decrease: • Recurrent Cost Increase/Decrease: • Revenue Loss/Gain:		
Estimate of Change Adjustment:		

If necessary, provide details below:

s.17

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial" CC-0060B, CC-0077B & CC-0078B

B2. Risk Allocation

A material adverse change in overall risk allocation under the Design Build Agreement would result if the Authority Change is implemented: Yes ☐ No ☒

If "yes", provide details below, including margin/premium included in the calculation of the Fixed Price, and/or necessary changes to insurance coverage limits:

B2. Relevant Consents

Relevant Consents are required in order to implement Authority Change: Yes ☐ No ☒

If "yes", provide details below, including list of any Permits, Licences, and/or Approvals, or amendments or revisions thereto, that may be required, and costs and anticipated schedule for obtaining same:

B3. Contractual Implications

If the proposed Authority Change is implemented:

- Constructor's ability to comply with provisions of the Agreement (including but not limited to the Technical Requirements) may be affected: Yes ☐ No ☒

If "yes", provide details below, including details of how such effect may be mitigated, and cost of such mitigation:

If the proposed Authority Change is implemented:

- Changes to the Agreement (including but not limited to the Construction Requirement) are required: Yes ☐ No ☒
- Changes to Part 10 (Payments) of Agreement: Yes ☒ No ☐

If "yes", provide details below:

Existing payment schedule will not be affected; payment schedule for this change is attached.

B4. Schedule Implications

Schedule Implications as a result implementing proposed Authority Change:

- Constructor anticipates delay in completion of the Works: TBD Yes ☐ No ☐
- Tolling Commencement Target Date is impacted: TBD Yes ☐ No ☐
- Substantial Completion Target Date is impacted: TBD Yes ☐ No ☐
- Total Completion Target Date is impacted: TBD Yes ☐ No ☐

If "yes", provide details below:

s.17

B5. Property Access Requirements

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	"Partial" CC-0060B, CC-0077B & CC-0078B

Access to additional land or additional Rights in respect of land: Yes ☐ No ☒

If "yes", provide details below:

B6. Schedule for Implementation

[Constructor's schedule for implementing Authority Change.]

To be completed with project works

B7. Consequential Amendments

Consequential Amendments to the Agreement are anticipated: Yes ☒ No ☐

If "yes", provide details below.

s.17

B8. Attachments

Other documents in support of Change Report are referenced: Yes ☒ No ☐

1. Letter KF-TIC-LTR-2010.0436.0
2. Price Breakdown
3. Supporting Documentation
4. Proposed Monthly Payment Schedule
5. K/F Equipment Rate Schedule

Signed: _____

Constructor's Representative

for Name: Frank Margitan

Date: December 2, 2010

Kiewit FLATIRON

02/12/2010

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 AUGUST 29, 2010 TO SEPTEMBER 25, 2010
(PARTIAL CC-0060B, CC-0077B, CC-0078B)

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
			s.17,s.21		
	SECTION 1 - INCREMENTAL WASTE OFF-SITE				
1.01	INCREMENTAL WASTE OFF-SITE SEGMENT 1 *	M3			
1.02	INCREMENTAL WASTE OFF-SITE SEGMENT 2	M3			
1.03	INCREMENTAL WASTE OFF-SITE SEGMENT 4	M3			
	TOTAL SECTION 1 - INCREMENTAL WASTE OFF-SITE	**M3**			
	TO-DATE QUANTIITY SUBMITTED:	**M3**			
	* ACTUAL CREDIT RESULTS FROM HIGHER PERCENTAGE OF ACTUAL BACKHA				
	SECTION 2 - INCREMENTAL IMPORT TO SITE				
2.01	INCREMENTAL IMPORT TO SITE SEGMENT 1	M3			
2.02	INCREMENTAL IMPORT TO SITE SEGMENT 2	M3			
2.03	INCREMENTAL IMPORT TO SITE SEGMENT 4	M3			
	IMPORT TO FRASER HEIGHTS BRIDGE (INCLUDED IN 2.03 QUANTITY	M3			
	TOTAL SECTION 2 - INCREMENTAL IMPORT TO SITE	**M3**			
	TO-DATE QUANTIITY SUBMITTED (NOT INCL. FH BRIDGE):	**M3**			
	TO-DATE FRASER HEIGHTS BRIDGE QUANTITY SUBMITTED**:	**M3**			
	SECTION 3 - PIT DEVELOPMENT				
3.01	ADDITIONAL PIT DEVELOPMENT	LS			
3.02	INCREASED HAUL ROAD CONSTRUCTION COSTS *	LS			
	* FROM USING RIVER SAND BLEND				
	TOTAL SECTION 3 - PIT DEVELOPMENT	**LS**			
	SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
4.01	ADDITIONAL TRUCK BOSSES SEGMENT 1	HRS			
4.02	ADDITIONAL CLERK SEGMENT 2	HRS			
4.03	ADDITIONAL TRUCK BOSSES SEGMENT 2	HRS			
4.04	ADDITIONAL CLERK SEGMENT 4	HRS			
4.05	ADDITIONAL TRUCK BOSSES SEGMENT 4	HRS			
	TOTAL SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES				
	SECTION 5 - ADDITIONAL INSURANCE				
5.01	ADDITIONAL INSURANCE SEGMENT 1	LS			
5.02	ADDITIONAL INSURANCE SEGMENT 2	LS			
5.03	ADDITIONAL INSURANCE SEGMENT 4	LS			
	TOTAL SECTION 5 - ADDITIONAL INSURANCE				

Kiewit FLATIRON

02/12/2010

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL AND WASTE DISPOSAL
s.17 AUGUST 29, 2010 TO SEPTEMBER 25, 2010
(PARTIAL CC-0060B, CC-0077B, CC-0078B)

	DESCRIPTION OF WORK	UNIT	QUANTITY	UNIT PRICE	EXTENDED AMOUNT
	CONSTRUCTION TENDER SUMMARY SECTION 1 - INCREMENTAL WASTE OFF-SITE SECTION 2 - INCREMENTAL IMPORT TO SITE SECTION 3 - PIT DEVELOPMENT SECTION 4 - ADDITIONAL CLERKS / TRUCK BOSSES SECTION 5 - ADDITIONAL INSURANCE		s.17,s.21		
	TOTAL CONSTRUCTION TENDER				
A1.01	SECTION A - WORK BY OTHERS				
	TOTAL SECTION A - WORK BY OTHERS				
B1.01	SECTION B - WORK BY MOTH				
	TOTAL SECTION B - WORK BY MOTH				
C1.01	SECTION C - MATERIAL SUPPLIED BY MOTH				
	TOTAL SECTION C - MATERIAL SUPPLIED BY MOTH				
D1.01	SECTION D - INDIRECTS				
	STAFF / QC / JOB EXPENSES SEGMENT 1	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 2	HRS			
	STAFF / QC / JOB EXPENSES SEGMENT 4	HRS			
	JV MANAGEMENT FEE	%			
	TOTAL SECTION D - INDIRECTS				
	SUBTOTAL JOBSITE CONSTRUCTION				
E1.01	SECTION E - DESIGN				
	TOTAL SECTION E - DESIGN				
	TOTAL JOBSITE CONSTRUCTION PLUS DESIGN				
	PROJECT SUMMARY CONTRUCTION TENDER SECTION A - WORK BY OTHERS SECTION B - WORK BY MOTH SECTION C MATERIAL SUPPLIED BY MOTH SECTION D - INDIRECTS SECTION E - DESIGN SUBTOTAL PROFIT & OVERHEAD				
	TOTAL PROJECT				

** Import to Fraser Heights Bridge will be credited back after the execution of the Fraser Heights Bridge Brown Pit Change Order.

Kiewit
FLATIRON
general partnership

Port Mann Highway Improvement Project

Gravel s.17 **August 29 to September 25, 2010**

(Partial CC-0060B, CC-0077B, CC-0078B)

Proposed Monthly Payment Schedule:

02-Dec-10

Gravel Supply and Waste Disposal	
Month	Payment Amount
December, 2010 (HST not included)	s.17
Total:	

Kiewit/Flatiron General Partnership
Port Mann Highway 1 Project

Suite #201 – 3773 Still Creek Ave,
Burnaby, BC V5C 4E2
Tel: 604-629-5419, Fax: 604-454-3596

Kiewit FLATIRON general partnership

K/F Equipment Rate Schedule:

Kiewit Standard Estimating Rates for 2010 ($/Hr):

CAT D6 DOZER	s.21
CAT D7 DOZER	
CAT D8 DOZER	
CAT 12 GRADER	
CAT 320 BACKHOE	
CAT 330 BACKHOE	
CAT 345 BACKHOE	
CAT 950 LOADER	
CAT 966 LOADER	
CAT 980H LOADER	
TRIAXLE HAUL TRUCK	
F-150 PICKUP 4x2 (FOREMAN)	
F-250 PICKUP 4x2 (FOREMAN)	
F-150 PICKUP 4x2 (STAFF)	

Kiewit/Flatiron General Partnership
Port Mann Highway 1 Project

Suite #201 – 3773 Still Creek Ave,
Burnaby, BC V5C 4E2
Tel: 604-629-5419, Fax: 604-454-3596

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

March 14, 2011

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-110314-KY1

Your File No. N/A

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

Re: Authority Change CC-0107A – Gravel Unit Pricing

Pursuant to the DBA, Part 7, Section 7.1 and Schedule 11, we herby issue you a request for an Authority Change (Part A) to address Brown Pit Gravel s.17 unit pricing.

Please provide us a corresponding Part B (Change Report) as per the schedule 11, Part 2, Item 2.3.

Sincerely,

F.P.

Gary Webster
Authority's Representative

Attachment: CC-0107A – Gravel Unit Pricing

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Change Process
Part A – Notice

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0107A

The Design Build Agreement (DBA) dated as of March 17, 2009 is entered into between Transportation Investment Corporation (the "Authority") and Kiewit/Flatiron General Partnership (the "Constructor) relating to the Port Mann Highway 1 Project (the Project). Defined terms and expressions used in this document have the same meanings in the DBA.

The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

PART A. AUTHORITY CHANGE NOTICE

Subject:	S0 – Gravel – Unit Pricing

A1. Description of Proposed Authority Change

This proposed change is for Brown Pit Gravel s.17 revision. Please provide unit prices and quantities. Quantities should exclude any amount required for Hwy 1 East of 200th and for the Golden Ears Connector. The items to be included in this change report are:

Waste Export s.17 **– after September 25, 2010**

- Haul/dump waste to Strong Pit
- Haul/dump waste to Huntington/Lafarge
- Haul/dump waste to commercial sites – dry
- Haul/dump waste to commercial sites – wet

Processing s.17 **– after September 25, 2010**

- Processing s.17 – WGBC/SGSB at Strong Pit
- Processing s.17 – Area E MSE backfill

Borrow s.17 **– after September 25, 2010**

- Purchase/haul SGSB/WGBC from commercial sources
- Load/haul SGSB/WGBC from MoT pits
- Purchase/haul borrow from commercial sources
- Load/haul borrow from Strong Pit

Material Flow Impact Due to Material Type and Schedule Impacts

- Added topsoil handling
- Added subgrade finishing
- Added handling of surcharge in subbase zone

Determents applied to this change are:

- Any costs relating to GEC deletions. These are addressed separately.
- Trucking escalation above current rates.
- Procurement, hauling and disposal of additional material required due to material flow.

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0107A

- Time Related Overhead
- Additional cost of design due to multiple materials and redesign.
- Cost of importing coarse material to Strong Pit to maximize aggregate production.
- Additional cost for pit development at Strong and Jackson pits over and above the cost of development at Brown Pit.

Reference Materials: N/A

Attachments:

A2. Payment

Is a cost Increase expected? Yes ☒ No ☐

If a cost increase is expected:

- **Is it expected to exceed $300,000?** Yes ☒ No ☐ n/a ☐
- **Is Constructor required to obtain competitive tenders and submit a Bid Price?** Yes ☐ No ☒ n/a ☐

A3. Schedule

Change Completion Date:	**N/A**

Signed: P.P.

Name: Gary Webster, P.Eng.

Date: March 14, 2011

BRITISH COLUMBIA
The Best Place on Earth

Port Mann / Highway 1 Project

Transportation Investment Corporation

April 12, 2011

TIC File: ORCS-91130-30/309A
LTR-CNG-KF-110412-KY2

Your File No. KF-TIC-LTR-2010.0505.0

Kiewit/Flatiron General Partnership
Suite 1410, 1111 West Georgia Street
Vancouver, BC
V6E 4M3

Dear Frank Margitan,

Re: Change Certificate – CC-0107 – Gravel Unit Pricing

Further to your letter (K/F Ref. No. KF-TIC-LTR-2011.0505.0) dated February 17 2011, please find attached Change Certificate CC-0107 as an acceptance of the proposed unit pricing for gravel s.17 and its billing conditions as described in your change report (CC-0107B).

Sincerely,

Gary Webster
Authority's Representative

Attachment: CC-0107 - S0 - Gravel Unit Pricing

Cc: Garry Dawson TI Corp
Stephen Docherty TI Corp
Gerry Fleming TI Corp
Duane Neufeld TI Corp

Transportation Investment Corporation

Change Certificate

Port Mann Highway 1 Project

Ref. No:	CC-0107

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Part A if applicable – Notice (completed by the Authority's Representative);

Part B if applicable – Preliminary Estimate of Impacts of Change (completed by the Constructor);

Change Certificate (completed by the Authority's Representative).

CHANGE CERTIFICATE

Subject:	**S0 - Gravel – Unit Pricing**

To be completed by the Authority:

Proposed by				Authority ☒		Constructor ☐	
K/F Reference				KF-TIC-LTR-2011-0505.0-Part B and all attached documents			
Authority's Reference				CC-0107A and LTC-CNG-KF-110314-KY1			
Type of Change Request	Minor Works ☐		Value Engineering ☐		Authority Change ☒		DBA Change ☐
Authority accepts the Constructor Proposal			Yes ☐		No ☐		n/a ☒
Authority accepts Cost of Proposed Change			Yes ☒		No ☐		n/a ☐
Authority requires Constructor to obtain offer of finance to fund Capital Cost Increase			Yes ☐		No ☒		n/a ☐
Anticipated consequential amendments to DBA			Yes ☐		No ☒		n/a ☐

Note:

Signed: _____

Authority's Representative

Name: Gary Webster, P.Eng.

Date: April 12, 2011

Kiewit
FLATIRON
general partnership

March 18, 2010 File: KF-TIC-LTR-2011.0505.0

Transportation Investment Corporation
Gateway Program – Port Mann Highway 1
#201-145 Schoolhouse Street
Coquitlam, BC
V3K 4X8

Attn: Gary Webster

Re: Authority Change – Gravel s.17 Unit Pricing (CC-0107B)

We write in response to your letter LTR-CNG-KF-110314-KY1 dated March 14, 2011 transmitting Part A form CC-0107A for gravel processing, supply and delivery, waste disposal, added material handling and finishing s.17 differential costs due to the removal of Brown Pit as an aggregate source after September 25, 2010.

The expected differential cost associated with replacement of Brown Pit as a material source and dump site after September 25, 2010 excluding the costs deferred for later agreement is s.17 Additional costs and schedule delays associated with Brown Pit for impacts including site production, support services, and additional risks are currently being investigated and are not included in this amount. K/F reserves the right to add these costs to the Change Order amount at a later date once quantified. These impacts and costs include but are not limited to those set out in Box B7 of the enclosed Part B Change Report.

Backup documentation to support the claimed amount has been previously submitted. The Part B form, a unit price schedule and an invoicing schedule have been included in this package. K/F owned equipment rates included in the pricing are based on Kiewit's standard estimating rates. A schedule of rates for K/F owned equipment has been previously submitted.

Should you have any questions, please contact the undersigned.

Sincerely,

Kiewit/Flatiron General Partnership

Frank Margitan
Project Director

Kiewit
FLATIRON
general partnership

Encl:

1. Part B – Change Report
2. Price Breakdown
3. Proposed Monthly Payment Schedule

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0107B

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The Change Certificate form is intended to capture all components of a Change, including, at a minimum:

Part A if applicable – Notice (completed by the Authority's Representative);
Part B if applicable – Change Report (completed by the Constructor);
Change Certificate (completed by the Authority's Representative).

PART B. CHANGE APPRAISAL

Subject:	Authority Change – SO – Gravel – Unit Pricing

To be completed by Constructor:

B1. Payment

Unit Price: (per the attached CC-0107B Unit Price Schedule) - Total at anticipated quantities and unit prices	s.17	
HST Amount (12%):		
Total Price:		
If applicable and where not covered by the Fixed Price or Bid Price: • Capital Cost Increase/Decrease: • Recurrent Cost Increase/Decrease: • Revenue Loss/Gain:		
Estimate of Change Adjustment:		

If necessary, provide details below:
s.17

B2. Risk Allocation

A material adverse change in overall risk allocation under the Design Build Agreement would result if the Authority Change is implemented: Yes ☐ No ☒

If "yes", provide details below, including margin/premium included in the calculation of the Fixed Price, and/or necessary changes to insurance coverage limits:

B2. Relevant Consents

Relevant Consents are required in order to implement Authority Change: Yes ☐ No ☒

If "yes", provide details below, including list of any Permits, Licences, and/or Approvals, or amendments or revisions thereto, that may be required, and costs and anticipated schedule for obtaining same:

B3. Contractual Implications

If the proposed Authority Change is implemented:

- Constructor's ability to comply with provisions of the Agreement (including but not limited to the Technical Requirements) may be affected: Yes ☐ No ☒

If "yes", provide details below, including details of how such effect may be mitigated, and cost of such mitigation:

If the proposed Authority Change is implemented:

- Changes to the Agreement (including but not limited to the Construction Requirement) are required: Yes ☐ No ☒
- Changes to Part 10 (Payments) of Agreement: Yes ☒ No ☐

If "yes", provide details below:

Existing payment schedule will not be affected; payment schedule for this change is attached.

B4. Schedule Implications

Schedule Implications as a result implementing proposed Authority Change:

- Constructor anticipates delay in completion of the Works: Yes ☐ No ☐
  TBD
- Tolling Commencement Target Date is impacted: Yes ☐ No ☐
  TBD
- Substantial Completion Target Date is impacted: Yes ☐ No ☐
  TBD
- Total Completion Target Date is impacted: Yes ☐ No ☐
  TBD

If "yes", provide details below:

s.17

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0107B

B5. Property Access Requirements

Access to additional land or additional Rights in respect of land: Yes ☐ No ☒

If "yes", provide details below:

s.17

B6. Schedule for Implementation

[Constructor's schedule for implementing Authority Change.]

s.17

B7. Consequential Amendments

Consequential Amendments to the Agreement are anticipated: Yes ☒ No ☐

If "yes", provide details below.

s.17

Change Process
Part B – Change Report

Transportation Investment Corporation

Port Mann Highway 1

Ref. No:	CC-0107B

B8. Attachments

Other documents in support of Change Report are referenced: Yes ☒ No ☐

1. Letter KF-TIC-LTR-2011.505.0
2. CC-0107B Unit Price Schedule
3. Anticipated Payment Schedule CC-0107B

Signed: _____

Constructor's Representative

Name: Frank Margitan

Date: March 18, 2011

CC - 0107B Unit Price Schedule

Kiewit FLATIRON general partnership

PORT MANN / HIGHWAY 1 PROJECT
BROWN PIT GRAVEL s.17 REQUEST

Brown Gravel s.17 Revision	Quantity	Units	Unit Price	Total
Waste Export s.17 *- After September 25, 2010*				s.17,s.21
2.11 Haul/Dump Waste to Strong Pit				
2.12 Haul/Dump Waste to Huntington/Lafarge				
2.13 Haul/Dump Waste to Commercial Sites - Dry				
2.14 Haul/Dump Waste to Commercial Sites - Wet				
Total				
Processing s.17 *- After September 25, 2010*				
2.21 Processing s.17 *- WGBC/SGSB @ Strong Pit*				
2.22 Processing s.17 *- Area E MSE Backfill*				
Total				
Borrow s.17 *- After September 25, 2010*				
2.31 Purchase/Haul SGSB/WGBC from Commercial Sources				
2.32 Load/Haul SGSB/WGBC from MoT Pits				
2.33 Purchase/Haul Borrow from Commercial Sources				
2.34 Load/Haul Borrow from Strong Pit				
Total				
Material Flow Impact Due to Material Type and Schedule Impacts				
2.41 Added Topsoil handling				
2.42 Added subgrade finishing				
2.43 Added handling of surcharge in subbase zone				
Total				
Total After September 25, 2010				

ANTICIPATED PAYMENT SCHEDULE CC-0107B

Month	Monthly Billing	Total Billing
October-10	s.17	
November-10		
December-10		
January-11		
February-11		
March-11		
April-11		
May-11		
June-11		
July-11		
August-11		
September-11		
October-11		
November-11		
December-11		
January-12		
February-12		
March-12		
April-12		
May-12		
June-12		
July-12		

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Krikke, Thomas G [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-10-15 at 11:51 AM
Received:	2012-10-15 at 11:51 AM
Subject:	RE: KFGP Gravel Claim

Thomas,

Rest of the week not so good for myself.

Following week is a no go as well and I will be at the monthly briefing on Nov 8.

So looks like next time to get together with both Tracy and Ken together to go over the gravel claim is the week of Nov 13 - 16 and My preference is to get together over in Vancouver on November 15.

How does this work.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Sunday, October 14, 2012 2:01 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: KFGP Gravel Claim

Hello Rodney:

I am booked in Toronto on Oct 28/29 . . . but Oct 30 and the rest of that week will still works.

Regards,

Thomas.

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Friday, October 12, 2012 3:55 PM
To: Krikke, Thomas G
Subject: KFGP Gravel Claim

Please see attached document containing questions and comments regarding KFGP Gravel Claim.

Rodney Chapman

Director

Constructin & Maintenance

****
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To:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-10-19 at 4:25 PM
Received:	2012-10-19 at 4:25 PM
Subject:	Re: KFGP Gravel Claim

Thomas,

Knowing your flat out until Oct 26 is Nov 2 or Nov 9 reasonable. If not please let me know.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Tuesday, October 16, 2012 06:40 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: KFGP Gravel Claim
Â

Hello Rodney:

Â

Can you please advise when you would like a response to these questions and the Oct 10 email of nine questions . . . . I will work to your schedule but need a due date please.

Â
s.21

Ä

Best regards,

Thomas.

Â

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Rodney Chapman

Director

Constructin & Maintenance

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To:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-10-19 at 4:26 PM
Received:	2012-10-19 at 4:26 PM
Subject:	Re: KFGP Gravel Claim

Thomas,

We will make it for Nov 15.

Txs,

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Tuesday, October 16, 2012 06:52 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: KFGP Gravel Claim
Â

Tentatively Nov 15 works (late morning is best for me and Tracy) . . . . or how about Nov 8 when you are already over?

Â

Â

Â

Â

From: Chapman, Rodney L TRAN:EX [mailto:Rodney.Chapman@gov.bc.ca]
Sent: Monday, October 15, 2012 2:51 PM
To: Krikke, Thomas G
Subject: RE: KFGP Gravel Claim

Â

Thomas,

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Rest of the week not so good for myself.

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Following week is a no go as well and I will be at the monthly briefing on Nov 8.

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So looks like next time to get together with both Tracy and Ken together to go over the gravel claim is the week of Nov 13 â 16 and My preference is to get together over in Vancouver on November 15.

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How does this work.

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Rodney

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Subject: RE: KFGP Gravel Claim

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Hello Rodney:

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Regards,

Thomas.

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Rodney Chapman

Director

Constructin & Maintenance

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To:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-10-19 at 5:56 PM
Received:	2012-10-19 at 5:56 PM
Subject:	Re: KFGP Gravel Claim

Thomas,

Txs.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Friday, October 19, 2012 04:30 PM
To: Chapman, Rodney L TRAN:EX
Subject: Re: KFGP Gravel Claim
Â

Youi will get it today - just completed. Need to log on. TK

Â

From: Chapman, Rodney L TRAN:EX [mailto:Rodney.Chapman@gov.bc.ca]
Sent: Friday, October 19, 2012 04:25 PM
To: Krikke, Thomas G
Subject: Re: KFGP Gravel Claim
Â

Thomas,

Knowing your flat out until Oct 26 is Nov 2 or Nov 9 reasonable. If not please let me know.

Rodney
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From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Tuesday, October 16, 2012 06:40 PM
To: Chapman, Rodney L TRAN:EX
Subject: RE: KFGP Gravel Claim
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Hello Rodney:

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s.21

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Best regards,

Thomas.

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Rodney Chapman

Director

Constructin & Maintenance

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From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-10-19 at 6:04 PM
Received:	2012-10-19 at 6:04 PM
Subject:	Re: KFGP Gravel Claim

Thomas,

Yes.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Friday, October 19, 2012 05:04 PM
To: Chapman, Rodney L TRAN:EX
Cc: Krikke, Thomas G
Subject: RE: KFGP Gravel Claim
Â

Hello Rodney:

Â

Responses to your questions attached â we need to discuss much of the issues in person please.

Â

Best regards,

Thomas.

Â

Â

Â

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Friday, October 12, 2012 6:55 PM
To: Krikke, Thomas G
Subject: KFGP Gravel Claim

Â

Â Please see attached document containing questions and comments regarding KFGP Gravel Claim.

Â

Â

Rodney Chapman

Director

Construction & Maintenance

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****

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-10-19 at 6:05 PM
Received:	2012-10-19 at 6:05 PM
Subject:	Fw: Gravel

Pat,

Please print all off.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Friday, October 19, 2012 05:04 PM
To: Chapman, Rodney L TRAN:EX
Cc: Krikke, Thomas G
Subject: RE: Gravel
Â

Hello Rodney:Â answers to the rest of your questions below.Â Other email to follow.Â Â Same qualifications, I am providing all I know and what we still need to do.Â We do need to talk about a few of these, and of course the whole effort. Â Regards, TK

Â

Â

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Wednesday, October 10, 2012 5:54 PM
To: Krikke, Thomas G
Subject: Gravel

Â

Thomas:

Upon reviewing my notes further and recalling a number of topics from the three meetings in 2010/11, I have the following questions:

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s.17

Page 578 to/à Page 579

Withheld pursuant to/removed as

s.17

s.17

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Rodney Chapman

Director

Construction & Maintenance Branch

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E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-10-19 at 6:06 PM
Received:	2012-10-19 at 6:06 PM
Subject:	Fw: KFGP Gravel Claim
Attachments:	KFGP Gravel Claim (TGK responses to Rodney Chapman).docx

Pat,

Please print all off.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Friday, October 19, 2012 05:04 PM
To: Chapman, Rodney L TRAN:EX
Cc: Krikke, Thomas G
Subject: RE: KFGP Gravel Claim

Hello Rodney:

Responses to your questions attached - we need to discuss much of the issues in person please.

Best regards,

Thomas.

From: Jenkins, Pat TRAN:EX [mailto:Pat.Jenkins@gov.bc.ca] On Behalf Of Chapman, Rodney L TRAN:EX
Sent: Friday, October 12, 2012 6:55 PM
To: Krikke, Thomas G
Subject: KFGP Gravel Claim

Please see attached document containing questions and comments regarding KFGP Gravel Claim.

Rodney Chapman

Director

Construction & Maintenance

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Page 583 to/à Page 585

Withheld pursuant to/removed as

s.13;s.17

Page 586

Withheld pursuant to/removed as

s.21;s.13;s.17

Rodney Chapman
October 12, 2012

E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-11-08 at 5:53 PM
Received:	2012-11-08 at 5:53 PM
Subject:	Re: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

Thomas,

Yes for now.

I have a contractor's meeting in Vancouver that day so a time later in the day or the following day is preferred if you wish to hold some time open.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Thursday, November 08, 2012 04:20 PM
To: Chapman, Rodney L TRAN:EX; Cooper, Tracy J TRAN:EX; Neufeld, Duane TIC:EX; Lukawesky, Ken W TRAN:EX
Subject: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

When: Thursday, November 15, 2012 10:30 AM-1:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Vancouver - TBD

Note: The GMT offset above does not reflect daylight saving time adjustments.

~~*~*~*~*~*~*~*~*

When: Thursday, November 15, 2012 10:30 AM-1:00 PM (UTC-08:00) Pacific Time (US & Canada).
Where: Vancouver - TBD

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Rodney was here today, so we will cancel next week please. TK

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E-mail Message

From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Krikke, Thomas G [SMTP:tkrikke@kpmg.ca]
Cc:	Cooper, Tracy J TRAN:EX [SMTP:Tracy.Cooper@gov.bc.ca], Lukawesky, Ken W TRAN:EX [SMTP:Ken.Lukawesky@gov.bc.ca], Neufeld, Duane TIC:EX [SMTP:dneufeld@ticorp.ca]
Sent:	2012-11-13 at 9:23 AM
Received:	2012-11-13 at 9:23 AM
Subject:	RE: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

Thomas,

How about 1 pm.

Where are your meetings as at any of the offices can work for me.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Tuesday, November 13, 2012 9:21 AM
To: Chapman, Rodney L TRAN:EX
Cc: Cooper, Tracy J TRAN:EX; Lukawesky, Ken W TRAN:EX; Neufeld, Duane TIC:EX
Subject: RE: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

Hello Rodney:

We can make Thursday work still . . . I have the morning meetings at TICorp, then I have other meetings until about 12:30 or 1 pm.

Can you please advise proposed location and time that best suits your schedule.

Thanks,

Thomas.

From: Chapman, Rodney L TRAN:EX [mailto:Rodney.Chapman@gov.bc.ca]
Sent: Thursday, November 08, 2012 8:54 PM
To: Krikke, Thomas G
Subject: Re: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

Thomas,

Yes for now.

I have a contractor's meeting in Vancouver that day so a time later in the day or the following day is preferred if you wish to hold some time open.

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
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To: Chapman, Rodney L TRAN:EX; Cooper, Tracy J TRAN:EX; Neufeld, Duane TIC:EX; Lukawesky, Ken W TRAN:EX
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From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Krikke, Thomas G [SMTP:tkrikke@kpmg.ca]
Cc:	Cooper, Tracy J TRAN:EX [SMTP:Tracy.Cooper@gov.bc.ca], Lukawesky, Ken W TRAN:EX [SMTP:Ken.Lukawesky@gov.bc.ca], Neufeld, Duane TIC:EX [SMTP:dneufeld@ticorp.ca]
Sent:	2012-11-13 at 10:32 AM
Received:	2012-11-13 at 10:32 AM
Subject:	RE: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

Hello All,

Works for myself and Thomas please provide the address for the KPMG office.

Txs,

Rodney

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Tuesday, November 13, 2012 10:19 AM
To: Chapman, Rodney L TRAN:EX
Cc: Cooper, Tracy J TRAN:EX; Lukawesky, Ken W TRAN:EX; Neufeld, Duane TIC:EX
Subject: RE: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

How about 1pm to 3 pm downtown at KPMG offices?

From: Chapman, Rodney L TRAN:EX [mailto:Rodney.Chapman@gov.bc.ca]
Sent: Tuesday, November 13, 2012 12:23 PM
To: Krikke, Thomas G
Cc: Cooper, Tracy J TRAN:EX; Lukawesky, Ken W TRAN:EX; Neufeld, Duane TIC:EX
Subject: RE: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

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To: Chapman, Rodney L TRAN:EX
Cc: Cooper, Tracy J TRAN:EX; Lukawesky, Ken W TRAN:EX; Neufeld, Duane TIC:EX
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Thanks,

Thomas.

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Sent: Thursday, November 08, 2012 8:54 PM
To: Krikke, Thomas G
Subject: Re: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

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To: Chapman, Rodney L TRAN:EX; Cooper, Tracy J TRAN:EX; Neufeld, Duane TIC:EX; Lukawesky, Ken W TRAN:EX
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From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Cooper, Tracy J TRAN:EX [SMTP:Tracy.Cooper@gov.bc.ca], tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	Lukawesky, Ken W TRAN:EX [SMTP:Ken.Lukawesky@gov.bc.ca], Neufeld, Duane TIC:EX [SMTP:dneufeld@ticorp.ca]
Sent:	2012-11-13 at 10:36 AM
Received:	2012-11-13 at 10:36 AM
Subject:	RE: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

Tracy,

Excellent and will meet you at 12:50 at the Evergreen offices.

Rodney

From: Cooper, Tracy J TRAN:EX
Sent: Tuesday, November 13, 2012 10:35 AM
To: Chapman, Rodney L TRAN:EX; 'tkrikke@kpmg.ca'
Cc: Lukawesky, Ken W TRAN:EX; Neufeld, Duane TIC:EX
Subject: Re: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

Rodney. We usually meet at the KPMG offices on Dunsmuir. If you come to the Evergreen office at12:50, we can walk down together.
Tracy

From: Chapman, Rodney L TRAN:EX
Sent: Tuesday, November 13, 2012 10:32 AM
To: 'Krikke, Thomas G'
Cc: Cooper, Tracy J TRAN:EX; Lukawesky, Ken W TRAN:EX; Neufeld, Duane TIC:EX
Subject: RE: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

Hello All,

Works for myself and Thomas please provide the address for the KPMG office.

Txs,

Rodney

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Sent: Tuesday, November 13, 2012 10:19 AM
To: Chapman, Rodney L TRAN:EX
Cc: Cooper, Tracy J TRAN:EX; Lukawesky, Ken W TRAN:EX; Neufeld, Duane TIC:EX
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Cc: Cooper, Tracy J TRAN:EX; Lukawesky, Ken W TRAN:EX; Neufeld, Duane TIC:EX
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Thanks,

Thomas.

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To: Krikke, Thomas G
Subject: Re: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

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Rodney

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Sent: Thursday, November 08, 2012 04:20 PM
To: Chapman, Rodney L TRAN:EX; Cooper, Tracy J TRAN:EX; Neufeld, Duane TIC:EX; Lukawesky, Ken W TRAN:EX
Subject: Canceled: Claims review and discussion - HOLD DATE AND TIME PLEASE

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From:	Chapman, Rodney L TRAN:EX [SMTP:Rodney.Chapman@gov.bc.ca]
To:	Jenkins, Pat TRAN:EX [SMTP:Pat.Jenkins@gov.bc.ca]
Cc:	
Sent:	2012-11-15 at 5:52 PM
Received:	2012-11-15 at 5:52 PM
Subject:	Fw: gravel and waste review pictures

Pat,

Please print all off.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Thursday, November 15, 2012 04:52 PM
To: Chapman, Rodney L TRAN:EX; Cooper, Tracy J TRAN:EX; Neufeld, Duane TIC:EX; Lukawesky, Ken W TRAN:EX; Cameron, Jamie M
Subject: gravel and waste review pictures
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As discussed and in preparation for the meeting with Singleton on Nov 26, 2012.
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Thomas.
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To:	tkrikke@kpmg.ca [SMTP:tkrikke@kpmg.ca]
Cc:	
Sent:	2012-11-15 at 5:53 PM
Received:	2012-11-15 at 5:53 PM
Subject:	Re: gravel and waste review pictures

Thomas,

Thanks and well done.

Rodney
Â

From: Krikke, Thomas G [mailto:tkrikke@kpmg.ca]
Sent: Thursday, November 15, 2012 04:52 PM
To: Chapman, Rodney L TRAN:EX; Cooper, Tracy J TRAN:EX; Neufeld, Duane TIC:EX; Lukawesky, Ken W TRAN:EX; Cameron, Jamie M
Subject: gravel and waste review pictures
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