



Addendum No. 1

City of Coquitlam
Tender 72486

MRN Como Lake Pavement Rehab – Eastbound Lanes

Issue Date: April 4, 2022
(Consists of 4 Pages)

Tenderers shall note the following amendments to the **CONTRACT DOCUMENT** as follows:

1. Refer to: **FORM OF TENDER**

Delete: APPENDIX 1 – SCHEDULE OR QUANTITIES AND PRICES

REPLACE WITH: *Revised* - APPENDIX 1 – *Revision 1*

Note: Some quantities have increased to reflect expanded scope on Sheet 11 of 11.

2. Refer to: **SUPPLEMENTARY SPECIFICATION**

ADD: 1.5.9 The Contractor or the Owner may request adjustment of the unit prices submitted for Asphalt Pavement if the Composite Rack Posting (CRP) varies by more than 5.0% from Tender Closing Date to the time the asphalt paving is actually performed.

The CRP is a composite of the available Rack Postings for PG 64-22 FOB Langley BC.

Requests for asphalt pavement unit price adjustment must be made prior to commencing asphalt paving. Payment for asphalt paving performed prior to a request for price adjustment will be made at the unit price submitted.

Unit prices will be increased or decreased as applicable using the following formula:

$$\text{Adjustment} = (\text{CRP work} - \text{CRP tender}) \times \text{AC volume}$$

Adjustment amount in dollars per tonne the unit price is modified CRP work is the CRP at the time paving is performed CRP tender is the CRP at the Tender Closing Date AC volume is the mixture design percent asphalt content, by volume.

3. Refer to: **APPENDIX A – TRAFFIC MANAGEMENT DETAIL SPECIFICATIONS**
APPENDIX 1 – CONTRACT HOURS OF WORK AND TRAFFIC RESTRICTIONS

3.0 HOURS OF WORK

ADD: 3.1.4 Work depicted on Sheet 11 of 11 (Como Lake Mariner Way intersection) must be completed between the working hours of: **09:00 hrs. to 15:00 hrs.**

4. Refer to: **APPENDIX B – CONTRACT DRAWINGS**

ADD: Sheet 11 of 11 (STA. 5+510 – STA. 6+580)

Note: Includes pavement rehabilitation through the Como/Mariner intersection which will be over top of the new Fortis IP main approximately aligned in the eastbound left-turn-only lane onto Mariner Way northbound.

CONTRACTOR QUESTIONS & CLARIFICATIONS

Q1) Can any portion of Como Lake be left in gravel overnight?

A1) No, all full depth milling areas must have base lift placed and compacted the same day as it is milled out.

Q2) Is it City's intent to do surface milling on all the areas first to inspect the condition before milling further down for the full depth milling areas? (i.e. milling twice at full depth milling areas)?

A2) The City's intent is to stick to planned milling/paving extents although the City does reserve the right to request more full depth milling through quantity variation if it is discovered that certain areas of the base lift are in worse condition than expected. If the contractor plans to do full depth milling as indicated on the contract drawings on the same day as the surface milling, they may do so in one pass. Note that no portion of the roads identified for pavement rehabilitation on this project may be left in gravel overnight.

Q3) How many minor curb cracks do you anticipate there being for repair?

A3) None, minor curb crack repairs will not be required, the note will be struck from the IFC Drawings. Any concrete work required will be full Re & Re.

End of Addendum No. 1

Tenderers shall take into account the content of this Addendum in the preparation and submission of the Tender which will form part of the contract and should be acknowledged on the Tender form where indicated.

Upon submitting a Tender, Tenderers will be deemed to have received all addenda and considered the information for inclusion in the Tender submitted.

Issued by:

M. Pain
Purchasing Manager
Email: bid@coquitlam.ca

Revised - APPENDIX 1 - Revision 1
FORM OF TENDER

Contract 72486
MRN Como Lake Pavement Rehab - Eastbound Lanes

SCHEDULE OF QUANTITIES AND PRICES
(see paragraph 5.3.1 of the Instruction to Tenderers)
(All Tender and Contract Prices shall NOT include GST. GST will apply upon payment)
(Should there be any discrepancy in the information provided, the City's original file copy shall prevail)

ITEM NO.	MMCD Ref. / (Supplementary Contract Specifications)	DESCRIPTION	UNIT	QTY	UNIT PRICE	EXTENDED AMOUNT
1.00	01 55 00	TRAFFIC CONTROL, VEHICLE ACCESS AND PARKING				
1.01	1.5.1	Traffic Control and Management				Incidental to Contract
2.00	01 57 015	ENVIRONMENTAL PROTECTION				
2.01	(1.6.1)	ESC supply & installation, maintenance and removal				Incidental to Contract
3.00	01 58 015	PROJECT IDENTIFICATION				
3.01	(1.3.1)	Construction Zone Information Signs	ea.	22		
3.02	(1.3.2)	Changeable Message Sign (x2)	Week	2		
4.00	03 30 205	CONCRETE WALKS, CURBS AND GUTTERS				
4.01	(1.4.3)	Concrete Barrier Curb and Gutter Re & Re (MMCD C5) (Provisional) (Each repair length less than 5m)	l.m.	15		
4.02	(1.4.3)	Concrete Barrier Curb and Gutter Installation (MMCD C5) (Provisional)	l.m.	10		
4.03	(1.4.5)	Concrete Sidewalk Re & Re (MMCD C1) (Provisional)	l.m.	10		
5.00	31 22 165	RESHAPING GRANULAR ROADBED				
5.01	(1.4.1)	Reshaping	sq.m	20,000		
6.00	31 24 135	ROADWAY EXCAVATION, EMBANKMENT AND COMPACTION				
6.01	(1.8.10)	Common Excavation - Removal and Disposal of Unsuitable Road Structure (as determined by proof roll) and Replacement with 25mm Road Base - (Provisional)	cu.m	500		
7.00	32 01 16.75	COLD MILLING				
7.01	(1.5.4)	Surface Milling (depth up to 50mm)	sq.m	29,700		
7.02	(1.5.4)	Additional Full Depth Milling (depth over 50mm to 145mm)	sq.m	20,000		
8.00	32 11 235	GRANULAR BASE				
8.01	(1.4.3)	25mm Minus Granular Base, variable thickness - (Provisional)	tonne	1,200		
9.00	32 12 13.15	ASPHALT TACK COAT				
9.01	(1.5.1)	Asphalt Tack Coat	sq.m	29,700		
10.00	32 12 165	HOT-MIX ASPHALT CONCRETE PAVING				
10.01	(1.5.1)	Machine Laid Asphaltic Concrete Paving - Machine Laid 19mm MOT Class 1 Medium Mix w/PG64-22 AC - 50mm Top Lift	tonne	3,900		
10.02	(1.5.1)	Machine Laid Asphaltic Concrete Paving - MMCD Lower Course #1 - 75mm Base lift	tonne	4,000		
11.00	32 17 235	PAINTED PAVEMENT MARKINGS				
11.01	(1.5.3)	Supply & Installation Thermoplastic Pavement Markings and as shown in contract drawings	l.s.	1		
12.00	33 44 015	MANHOLES AND CATCHBASINS				
12.01	(1.5.3.1)	Manhole Frame and Lid Replacement & Adjustments (Provisional)	ea.	26		
12.02	(1.5.3.2)	Water Valve Box Replacement - Terminal City Nelson Type - (Provisional)	ea.	60		
13.00	34 41 13	TRAFFIC SIGNALS				
13.01	1.9.2	Traffic Detection Loops	ea.	15		

Total Tendered Price (exclude GST): \$ _____

(Transfer the amount to Form of Tender Summary Page 1)

Name of Contractor: _____

BENCHMARK:
MON. 95H1989 LOCATED ON NORTH SIDE OF
COMO LAKE AVENUE AT HOUSE #2335
ELEV. 174.962

FORTIS INTERMEDIATE PRESSURE (IP) GAS PIPELINE:

1. NEW 762mm Ø IP GAS RECENTLY INSTALLED AND NO AS-BUILT DRAWINGS ARE AVAILABLE. LOCATIONS ARE APPROXIMATE FOR REFERENCE ONLY. CONTRACTOR TO PERFORM BC-ONE CALL PRIOR TO CONSTRUCTION AND NOTIFY THE APPLICABLE AUTHORITY 3 DAYS PRIOR TO MOBILIZATION ON SITE.
2. ANY PERSON PERFORMING WORK THAT DISTURBS THE GROUND SURFACE WITHIN 30m OF AN INTERMEDIATE PRESSURE PIPE SHALL FOLLOW THE "OIL AND GAS ACTIVITIES ACT REQUIREMENTS". CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED APPROVALS AND PERMITS FROM FORTIS BC.

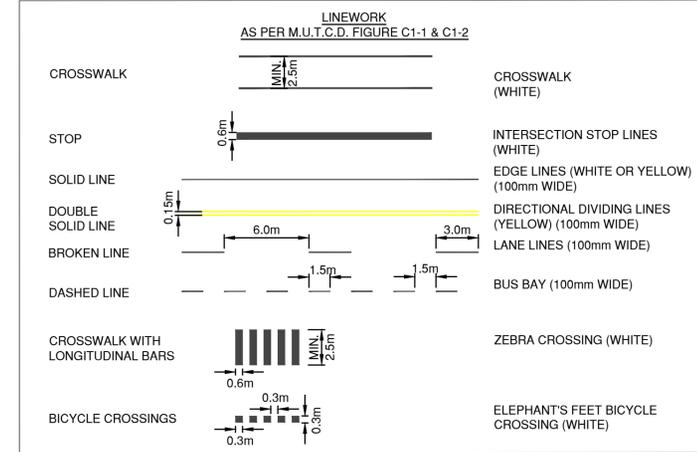
ADJUST EX. APPURTENANCES TO SUIT FINISHED GRADE (TYP.).

EXACT LIMITS OF PAVING TO BE DETERMINED BY THE CONTRACT ADMINISTRATOR IN THE FIELD (TYP.).

KEY NOTES

- (A) REINSTATE WHITE BROKEN LINE AS PER MUTCD FIGURE C1-1 (TYP.)
- (A1) REINSTATE DASH LINE AS PER MUTCD FIGURE C1-1 (TYP.)
- (B) REINSTATE THERMOPLASTIC CROSSWALK AS PER MUTCD FIGURE C1-2 c/w ELEPHANT FEET (300mm x 300mm) WHERE SHOWN IN PLAN VIEW (TYP.)
- (C) REINSTATE THERMOPLASTIC STOP BAR AS PER MUTCD FIGURE C1-2 (TYP.)
- (D) REINSTATE WHITE SOLID LINE AS PER MUTCD FIGURE C1-1 (TYP.)

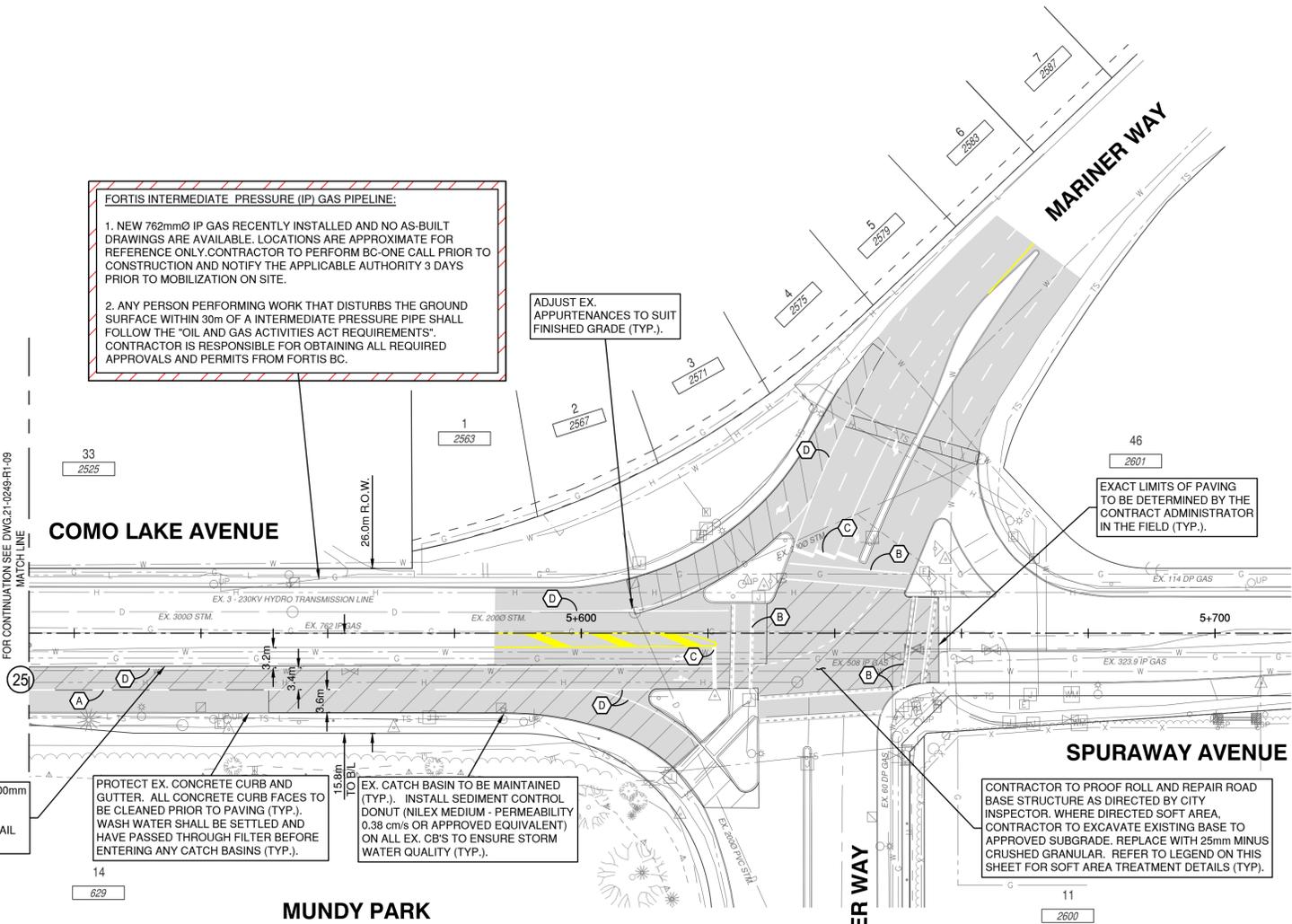
CORE	THICKNESS(mm)		COMMENTS
	TOTAL	TOP	
25	135	55	SUPER PAVE, LOWER 15mm OF TOP LIFT HAS GRAVELLED ON BOND PER METRO TESTING REPORT MB32680 - DECEMBER 16, 2019



MILL 50mm EX. ASPHALT OF THE ENTIRE LIMITS OF THE WORK AS DIRECTED BY THE CONTRACT ADMINISTRATOR IN FIELD. ONCE SURFACE MILL HAS BEEN COMPLETED, CONTRACTOR TO REVIEW THE BASE LIFT WITH THE OWNER TO CONFIRM AREAS FOR FULL DEPTH MILL. PROVIDE THE FOLLOWING TREATMENT AS PER HATCHING AREA IN THE PLAN VIEW. APPLY ASPHALT TACK COAT AS PER MMCD 32 12 13.1.

LEGEND

- TREATMENT - FULL DEPTH MILL AND OVERLAY BOTTOM LIFT (EXPECTED AREAS OF TREATMENT. AREAS TO BE CONFIRMED WITH OWNER)
- FULL DEPTH MILL AND REMOVE OF EX. ASPHALT BELOW SURFACE MILL.
- PROOF ROLL, RESHAPE AND COMPACT. ADD 25mm MINUS CRUSHED GRANULAR BASE AS REQUIRED. SOFT AREAS TO BE EXCAVATED AND REPLACED WITH 100mm THICK 25mm MINUS CRUSHED GRANULAR BASE AND 25mm MINUS CRUSHED GRANULAR SUBBASE TO APPROVED SUBGRADE AS DIRECTED BY CITY INSPECTOR. (SUBBASE DEPTH TO BE SPECIFIED BY CITY INSPECTOR). COMPACT BASE/SUBBASE LAYER TO 95% MODIFIED PROCTOR DENSITY.
- OVERLAY BOTTOM LIFT WITH MIN. 75mm THICK MMCD LOWER COURSE #1 IN ONE LIFT TO MATCH EX. BOTTOM LIFT THICKNESS. COMPACT BOTTOM LIFT TO 97% OF 75 BLOW MARSHALL DENSITY.
- TREATMENT - 50mm SURFACE MILL AND OVERLAY TOP LIFT
- SURFACE MILL EXISTING ASPHALT 50mm. OVERLAY WITH 50mm MACHINE LAID 19mm MOT CLASS 1 MEDIUM MIX W/PG64-22 AC ON THE ENTIRE LIMITS OF THE WORK AND COMPACT TO 97% OF 75 BLOW MARSHALL DENSITY

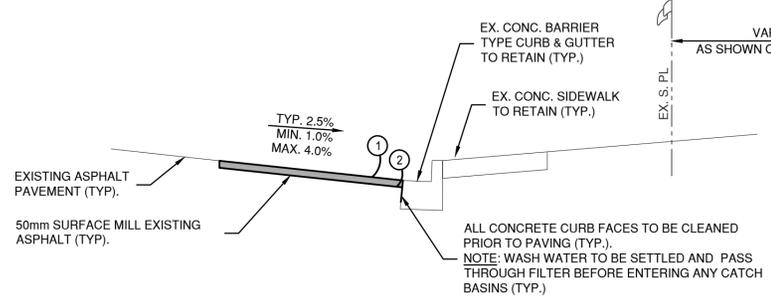


TIE-IN TO EX. ASPHALT WITH 200mm WIDE, 50mm THICK MILLED OVERLAP (TYP.). PERMANENT PAVEMENT RESTORATION DETAIL AS PER COQ-G4 (TYP.).

PROTECT EX. CONCRETE CURB AND GUTTER. ALL CONCRETE CURB FACES TO BE CLEANED PRIOR TO PAVING (TYP.). WASH WATER SHALL BE SETTLED AND HAVE PASSED THROUGH FILTER BEFORE ENTERING ANY CATCH BASINS (TYP.).

EX. CATCH BASIN TO BE MAINTAINED (TYP.). INSTALL SEDIMENT CONTROL DONUT (N/EX MEDIUM - PERMEABILITY 0.38 cm/s OR APPROVED EQUIVALENT) ON ALL EX. CB'S TO ENSURE STORM WATER QUALITY (TYP.).

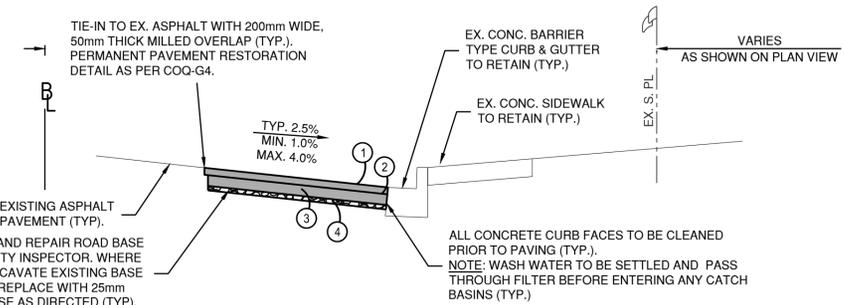
CONTRACTOR TO PROOF ROLL AND REPAIR ROAD BASE STRUCTURE AS DIRECTED BY CITY INSPECTOR. WHERE DIRECTED SOFT AREA, CONTRACTOR TO EXCAVATE EXISTING BASE TO APPROVED SUBGRADE. REPLACE WITH 25mm MINUS CRUSHED GRANULAR. REFER TO LEGEND ON THIS SHEET FOR SOFT AREA TREATMENT DETAILS (TYP.).



COMO LAKE AVENUE TYPICAL SECTION
ROBINSON ST TO MARINER WAY - SECTION OF 50mm DEPTH MILL & OVERLAY N.T.S.

NOTE: REFER TO HATCHING IN PLAN VIEW FOR ROAD REHABILITATION TREATMENT DETAILS.

- 1 50mm THICK TOP LIFT - MACHINE LAID 19mm MOT CLASS 1 MEDIUM MIX W/PG64-22 AC COMPACT TO 97% OF 75 BLOW MARSHALL DENSITY
- 2 APPLY TACK COAT.



COMO LAKE AVENUE TYPICAL SECTION
ROBINSON ST. TO MARINER WAY - SECTION OF FULL DEPTH MILL & REPAVE N.T.S.

NOTE: REFER TO HATCHING IN PLAN VIEW FOR ROAD REHABILITATION TREATMENT DETAILS.

- 1 50mm THICK TOP LIFT - MACHINE LAID 19mm MOT CLASS 1 MEDIUM MIX W/PG64-22 AC COMPACT TO 97% OF 75 BLOW MARSHALL DENSITY
- 2 APPLY TACK COAT BETWEEN EACH LIFT.
- 3 MIN. 75mm THICK BASE LIFT - MMCD LOWER COURSE #1.
- 4 MIN. 25mm THICK 25mm MINUS CRUSHED GRANULAR BASE COMPACTED TO 95% MODIFIED PROCTOR DENSITY.

0 1:500 20m
DISCLAIMER: This drawing must not be reproduced without the written permission of R.F. Binnie & Associates Ltd. This drawing is not to be used for construction unless it is stamped "ISSUED FOR CONSTRUCTION" and signed by R.F. Binnie & Associates Ltd. It is the contractor's responsibility to ensure that he is in possession of the latest revision of this drawing.

Edge of pavement	Hydrant	Sanitary service	Hydro Guy Wire
Watermain and valve	Water air valve	Sanitary cleanout	Hydro Kiosk
Drainage sewer, MH	Water blowoff	Utility pole (joint pole)	Vegetation Canister
Drainage ditch	Water service	Utility pole with light	Vegetation Deciduous
Sanitary sewer, MH	Catch basin, top inlet	Streetlight, down	Vegetation Shrub
Sanitary forcemain	Catch basin, side inlet	Streetlight, post top	Survey Traverse Hub
Gasmain and valve	Catch basin, round	Comb signal pole	Survey Iron Pin
Hydro duct, MH	Drainage service	Traffic signal pole	Survey Lead Plug
Telephone duct, MH	Drainage cleanout	Junction box	Survey Monument

No.	Date	By	Revisions
1	2022.03.29	CS	ISSUED FOR TENDER - ADDENDUM 1

Design by	Date
Drawn by	Date
Checked by	Date
Approved by	Date



Scale horiz.	1:500	Scale vert.	1:500
Sheet	11	of	11
Eng. Project No.			

Project	COMO LAKE LANE REHABILITATION
	STA. 5+510 - STA. 6+580
Description	ROADWORKS
File:	21-0249-R1-11
REV.	1

ISSUED FOR TENDER - ADDENDUM 1