

March 9th, 2017

To: Planholders of S.A.P. 042-610-040, and S.A.P. 042-610-042

## **ADDENDUM #1**

Place Concrete Pavement (7") and Structural Concrete have been reduced as a result of overlapping bridge approach panels. Summary of Life Cycle Cost Analysis Additives has been added to the Special Provisions.

**1. Quantities have been reduced and plan sheets have been revised. Please find the attached amended plan sheets for the projects listed below.**

Project S.A.P. 042-610-040:

Remove sheet 2 of 12 sheets and replace with the amended sheet provided. Amended sheet is labeled "Addendum #1. The following items were revised to the above mentioned plan sheet.

2301.504 PLACE CONCRETE PAVEMENT 7.0" (P)	72,160.68	SQ YD
2301.511 STRUCTURAL CONCRETE	14,627.53	CU YD

Project S.A.P. 042-610-042:

Remove sheet 2 of 08 sheets and replace with the amended sheet provided. Amended sheets is labeled "Addendum #1. The following items were revised to the above mentioned plan sheet.

2301.504 PLACE CONCRETE PAVEMENT 7.0" (P)	2,197.17	SQ YD
2301.511 STRUCTURAL CONCRETE	12,422.60	CU YD
2582.502 24" SOLID LINE EPOXY GR IN (WR)	42.00	LIN FT

**2. Summary of Life Cycle Cost Analysis Additives has been added to the Special Provisions for projects S.A.P. 042-610-040 and S.A.P. 042-610-042.**

Insert sheet 1-S-a in the special provisions. Amended sheet is labeled "Addendum #1.

**3. Schedule of prices have been updated to reflect changes in quantities for projects S.A.P. 042-610-040 and S.A.P. 042-610-042.**

Discard previously provide schedule of prices and replace with the provided schedule of prices labeled "Addendum#1".

Amended plan sheets, and proposal sheets may be downloaded from the Lyon County Highway Bid Lettings page at the following web page.

<http://www.lyonco.org/bid-lettings/239-highway-2017-bid-lettings/776-notice-to-contractors-sap42-610-040-and-sap42-610-042>

Please call our office if you have any questions concerning this Addendum.

Sincerely,

A handwritten signature in black ink, appearing to read 'AVM', with a stylized flourish at the end.

Aaron VanMoer, PE  
Lyon County Engineer

NOTE	ITEM NO.	ITEM	UNIT	TOTAL ESTIMATED QUANTITY
	2011.601	CONSTRUCTION SURVEYING	LUMP SUM	1.00
	2021.501	MOBILIZATION	LUMP SUM	1.00
	2051.501	MAINTENANCE & RESTORATION OF HAUL ROADS	LUMP SUM	1.00
	2104.513	SAWING BITUMINOUS PAVEMENT	LIN FT	120.00
2	2123.503	MOTOR GRADER	HOURLY	20.00
3	2211.501	AGGREGATE BASE CLASS 5 MOD	TON	1,080.00
	2221.501	SHOULDER BASE AGGREGATE CLASS 5 MOD	TON	13,200.00
4	2232.501	MILL BITUMINOUS SURFACE (2.0")	SQ YD	285.00
5, 1	2301.504	PLACE CONCRETE PAVEMENT 7.0" (P)	SQ YD	72,160.68
	2301.508	SUPPLEMENTAL PAVEMENT REINFORCEMENT	POUND	8,790.60
	2301.511	STRUCTURAL CONCRETE	CU YD	14,627.53
6	2301.538	1.0" DOWEL BAR	EACH	9,792.00
7	2360.501	TYPE SP12.5 WEARING COURSE MIXTURE (3,B)	TON	455.00
13	2406.553	BRIDGE APPROACH PANEL	SQ YD	143.00
8	2540.602	RELOCATE MAIL BOX	EACH	13.00
	2563.601	DETOUR SIGNING	LUMP SUM	1.00
	2563.601	TRAFFIC CONTROL	LUMP SUM	1.00
9	2564.533	FURNISH SIGN PANELS TYPE C	SQ FT	48.00
10	2564.536	INSTALL SIGN PANEL TYPE SPECIAL	EACH	8.00
	2573.550	EROSION CONTROL SUPERVISOR	LUMP SUM	1.00
	2574.508	FERTILIZER TYPE 2	POUND	3,620.00
11	2575.501	SEEDING	ACRE	18.10
	2575.502	SEED MIXTURE 25-142	POUND	1,085.00
	2575.511	MULCH MATERIAL TYPE 1	TON	36.20
	2575.519	DISK ANCHORING	ACRE	18.10
	2582.502	24" SOLID LINE EPOXY GR IN (WR)	LIN FT	84.00
12	2582.502	4" SOLID LINE EPOXY GR IN (WR)	LIN FT	17,500.00
	2582.502	6" SOLID LINE EPOXY GR IN (WR)	LIN FT	52,770.00

CONSTRUCTION NOTES

- (1) (P) = PLAN QUANTITY
- (2) HOURS PROVIDED FOR SHAPING INSLOPES. SEE SHEET 4 FOR DETAILS.
- (3) TOTAL QUANTITY FOR ROADWAY AND ENTRANCES. PLACE AGGREGATE BASE STA. 87+00.00 TO STA. 116+00.00 AS DIRECTED BY THE ENGINEER.
- (4) MILL 2.0" AT BRIDGE #42521. SEE SHEET 4 FOR DETAILS.
- (5) 30" SAFETY EDGE INCLUDED IN THE TOTAL BID PRICE. SEE SHEET 5 FOR DETAILS. BITUMINOUS TACK COAT SHALL BE INCLUDED IN THE TOTAL BID PRICE.
- (6) EPOXY COATED
- (7) SEE SHEET 7 FOR DETAILS.
- (8) MAIL BOXES SHALL BE RELOCATED PRIOR TO CONSTRUCTION AND REPLACED ONCE CONSTRUCTION IS COMPLETED. THE CONTRACTOR MUST COORDINATE LOCATIONS WITH THE LOCAL POSTAL AUTHORITY, CONTRACTOR IS TO SALVAGE AND RE-INSTALL EXISTING MAIL BOX SUPPORT.
- (9) FURNISH 8 W14-3 SIGNS (36"x48"). SIGNS SHALL BE DIAMOND GRADE (DG3). BLACK ON YELLOW.
- (10) SEE SHEET 11 FOR DETAILS.
- (11) SEE SHEET 3 (INSERT B) FOR DETAILS.
- (12) TOTAL QUANTITY FOR BROKEN AND SOLID LINE (YELLOW).
- (13) SEE SHEET 2A-12H FOR DETAILS. PLACE IN ACCORDANCE WITH MnDOT 2406.

CERTIFIED BY:  LIC. NO. 50428

ADDENDUM #1

STATE AID PROJECT NO. 042-610-040

SHEET 2 OF 12 SHEETS



ADDENDUM #1

NOTE	ITEM NO.	ITEM	UNIT	RURAL	TOTAL ESTIMATED QUANTITY
	2011.601	CONSTRUCTION SURVEYING	LUMP SUM	1.00	1.00
	2021.501	MOBILIZATION	LUMP SUM	1.00	1.00
	2051.501	MAINT. & RESTORATION OF HAUL ROADS	LUMP SUM	1.00	1.00
	2104.513	SAWING BITUMINOUS PAVEMENT	LIN FT	120.00	120.00
	2221.501	SHOULDER BASE AGGREGATE CLASS 5 MOD	TON	5,300.00	5,300.00
2	2301.511	STRUCTURAL CONCRETE	CU YD	12,422.60	12,422.60
1,3	2301.504	PLACE CONCRETE PAVEMENT 5.0" (P)	SQ YD	75,354.74	75,354.74
1,3	2301.504	PLACE CONCRETE PAVEMENT 7.0" (P)	SQ YD	2,197.17	2,197.17
4	2301.538	1.0" DOWEL BAR	EACH	312.00	312.00
8	2406.553	BRIDGE APPROACH PANEL	SQ YD	160.00	160.00
5	2360.501	TYPE SP12.5 WEARING COURSE MIXTURE (3,B)	TON	710.00	710.00
	2540.602	MAIL BOX SUPPORT	EACH	13.00	13.00
6	2540.602	RELOCATE MAIL BOX	EACH	13.00	13.00
7	2563.601	TRAFFIC CONTROL	LUMP SUM	1.00	1.00
	2582.502	24" SOLID LINE EPOXY GR IN (WR)	LIN FT	42.00	42.00
	2582.502	4" SOLID LINE EPOXY GR IN (WR)	LIN FT	9,300.00	9,300.00
	2582.502	6" SOLID LINE EPOXY GR IN (WR)	LIN FT	52,000.00	52,000.00

CONSTRUCTION NOTES

- (1) P = PLAN QUANTITY
- (2) TOTAL QUANTITY INCLUDES 30' SAFETY EDGE.
- (3) 30' SAFETY EDGE SHALL BE INCLUDED WITH THE TOTAL BID PRICE.
- (4) EPOXY COATED
- (5) SEE SHEET 6 FOR DETAILS.
- (6) CONTRACTOR MUST COORDINATE TEMPORARY LOCATION WITH THE LOCAL POSTAL AUTHORITY. MAIL BOX SHALL BE INSTALLED AT PERMANENT LOCATIONS ONCE CONSTRUCTION IS COMPLETE.
- (7) SEE SHEET 7 FOR DETAILS. ADDITIONAL DETOUR AND TRAFFIC CONTROL INCLUDED WITH PROJECT S.A.P. 042-610-040.
- (8) SEE SHEET 8A-8G FOR DETAILS. PLACE IN ACCORDANCE WITH MnDOT 2406.

BASIS FOR ESTIMATED QUANTITIES

(2221)SHOULDER BASE AGGREGATE CL 5 MOD  
 SHOULDERING QUANTITIES BASED ON 1.89 TONS PER C.Y. COMPACTED VOLUME ASSUMED  
 TOTAL QUANTITY INCLUDES 475 TONS FOR ENTRANCES.

(2301)STRUCTURAL CONCRETE  
 5" CROSS-SECTIONAL AREA = 11.04 S.F.  
 7" CROSS-SECTIONAL AREA = 15.47 S.F.

(2301)CONCRETE PAVEMENT (5.0")  
 TOTAL WIDTH = 26'-7"

(2301)CONCRETE PAVEMENT (7.0")  
 TOTAL WIDTH = 26'-7"

(2360)BITUMINOUS WEAR COURSE MIXTURE  
 BITUMINOUS MATERIAL FOR MIXTURE (MAXIMUM DENSITY)  
 110LBS./SQ.YD./INCH OF DEPTH

(2360)TACK COAT  
 BITUMINOUS MATERIAL FOR TACK COAT .05 GAL.S. PER SQ.YD.

STANDARD PLATES AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION SHALL APPLY ON THIS PROJECT.

STANDARD PLATES

PLATE NO.	DESCRIPTION
8000 J	CHANNELIZERS
9000 E	APPROACHES AND ENTRANCES
1070 M	SUPPLEMENTAL PAVEMENT REINFORCEMENT
1103 K	TYPICAL DOWEL BAR ASSEMBLY
1150 R	CONSTRUCTION OF HEADER JOINTS

ADDENDUM #1

CERTIFIED BY:  LIC. NO. 50428  
 LICENSED PROFESSIONAL ENGINEER

STATE AID PROJECT NO. 042-610-042 SHEET 2 OF 8 SHEETS

**S-2A**                      **MISCELLANEOUS**

The difference in life cycle maintenance costs between the bituminous options and concrete options will be added to the total bituminous option contract bid for purposes of award.

Not all project items are equal comparisons between the bituminous and concrete options due to the inherent nature of each construction practice.

**SUMMARY OF LIFE CYCLE COST ANALYSIS ADDITIVES**

**SAP 42-610-040**

52,770 LIN FT of 6" white paint @ \$0.10/LIN FT =  
Life Cycle Maintenance Costs =

\$5,277 added to Bituminous Bid  
\$1,101,386 added to Bituminous Bid

**SAP 42-610-042**

Life Cycle Maintenance Costs =

\$946,226 added to Bituminous Bid

**CONTRACT**

**\$2,052,889 added to Bituminous Bid**

3/9/2017

Contract No.: 201703

Lyon  
Schedule Of Prices

Project Number: SAP 042-610-040

Project Title or Road Number: CSAH 10 Concrete Surfacing

Work Type: Grading, Surfacing, Shoulders

Comments: Alternate Bid

BIDDER MUST FILL IN UNIT PRICES IN NUMERALS; MAKE EXTENSION FOR EACH ITEM AND TOTAL. FOR COMPLETE INFORMATION CONCERNING THESE ITEMS, SEE PLANS AND SPECIFICATIONS, INCLUDING SPECIAL PROVISIONS.

Item No.	Description	Units	Quantity	Unit Price	Total Price
2011.601	CONSTRUCTION SURVEYING	LUMP SUM	1.00		
2021.501	MOBILIZATION	LUMP SUM	1.00		
2051.501	MAINT & RESTORATION OF HAUL ROADS	LUMP SUM	1.00		
2104.513	SAWING BITUMINOUS PAVEMENT	LIN FT	120.00		
2123.503	MOTOR GRADER	HOUR	20.00		
2211.501	AGGREGATE BASE CLASS 5 MOD	TON	1,080.00		
2221.501	SHOULDER BASE AGGREGATE CLASS 5 MOD	TON	13,200.00		
2232.501	MILL BITUMINOUS SURFACE (2.0")	SQ YD	285.00		
2301.504	PLACE CONCRETE PAVEMENT 7" (P)	SQ YD	72,160.68		
2301.508	SUPPLEMENTAL PAVEMENT REINFORCEMENT	POUND	8,790.60		
2301.511	STRUCTURAL CONCRETE	CU YD	14,627.53		
2301.538	DOWEL BAR	EACH	9,792.00		
2360.501	TYPE SP 12.5 WEARING COURSE MIX (3;B)	TON	455.00		
2406.553	BRIDGE APPROACH PANELS	SQ YD	143.00		
2540.602	RELOCATE MAIL BOX	EACH	13.00		
2563.601	TRAFFIC CONTROL	LUMP SUM	1.00		
2563.601	DETOUR SIGNING	LUMP SUM	1.00		
2564.533	FURNISH SIGN PANELS TYPE C	SQ FT	48.00		
2564.536	INSTALL SIGN PANEL TYPE SPECIAL	EACH	8.00		
2573.550	EROSION CONTROL SUPERVISOR	LUMP	1.00		

ADDENDUM #1

SAP 042-610-040

BIDDER MUST FILL IN UNIT PRICES IN NUMERALS; MAKE EXTENSION FOR EACH ITEM AND TOTAL. FOR COMPLETE INFORMATION CONCERNING THESE ITEMS, SEE PLANS AND SPECIFICATIONS, INCLUDING SPECIAL PROVISIONS.					
Item No.	Description	Units	Quantity	Unit Price	Total Price
2574.508	FERTILIZER TYPE 2	POUND	3,620.00		
2575.501	SEEDING	ACRE	18.10		
2575.502	SEED MIXTURE 25-142	POUND	1,085.00		
2575.511	MULCH MATERIAL TYPE 1	TON	36.20		
2575.519	DISK ANCHORING	ACRE	18.10		
2582.502	4" SOLID LINE EPOXY GR IN (WR)	LIN FT	17,500.00		
2582.502	6" SOLID LINE EPOXY GR IN (WR)	LIN FT	52,770.00		
2582.502	24" SOLID LINE EPOXY GR IN (WR)	LIN FT	84.00		
Total					

**Bidder Name:** \_\_\_\_\_

**Bidder Address:** \_\_\_\_\_

**Bidder Phone:** \_\_\_\_\_

**Bidder Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

3/9/2017

Contract No.: 201703

Lyon  
Schedule Of Prices

Project Number: SAP 042-610-042

Project Title or Road Number: CSAH 10 Concrete Overlay

Work Type: Overlay

Comments: Alternate Bid

BIDDER MUST FILL IN UNIT PRICES IN NUMERALS; MAKE EXTENSION FOR EACH ITEM AND TOTAL. FOR COMPLETE INFORMATION CONCERNING THESE ITEMS, SEE PLANS AND SPECIFICATIONS, INCLUDING SPECIAL PROVISIONS.

Item No.	Description	Units	Quantity	Unit Price	Total Price
2011.601	CONSTRUCTION SURVEYING	LUMP SUM	1.00		
2021.501	MOBILIZATION	LUMP SUM	1.00		
2051.501	MAINT & RESTORATION OF HAUL ROADS	LUMP SUM	1.00		
2104.513	SAWING BITUMINOUS PAVEMENT	LIN FT	120.00		
2221.501	SHOULDER BASE AGGREGATE CLASS 5 MOD	TON	5,300.00		
2301.504	PLACE CONCRETE PAVEMENT 5" (P)	SQ YD	75,354.74		
2301.504	PLACE CONCRETE PAVEMENT 7" (P)	SQ YD	2,197.17		
2301.511	STRUCTURAL CONCRETE	CU YD	12,422.60		
2301.538	DOWEL BAR	EACH	312.00		
2360.501	TYPE SP 12.5 WEARING COURSE MIX (3;B)	TON	710.00		
2406.553	BRIDGE APPROACH PANELS	SQ YD	160.00		
2540.602	MAIL BOX SUPPORT	EACH	13.00		
2540.602	RELOCATE MAIL BOX	EACH	13.00		
2563.601	TRAFFIC CONTROL	LUMP SUM	1.00		
2582.502	4" SOLID LINE EPOXY GR IN (WR)	LIN FT	9,300.00		
2582.502	6" SOLID LINE EPOXY GR IN (WR)	LIN FT	52,000.00		
2582.502	24" SOLID LINE EPOXY GR IN (WR)	LIN FT	42.00		
Total					

Bidder Name: \_\_\_\_\_

Bidder Address: \_\_\_\_\_



ADDENDUM #1

Bidder Phone:

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Bidder  
Signature:

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Date:

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**ADDENDUM #1**

**S.A.P. 042-610-040 & S.A.P. 042-610-042**

CONFIRMATION OF RECEIPT

COMPANY NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

PLEASE FAX TO 507-532-8217