



**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**  
Frankfort, Kentucky 40622  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Matthew G. Bevin**  
Governor

**Greg Thomas**  
Secretary

October 20, 2017

CALL NO. 109  
CONTRACT ID NO. 171039  
ADDENDUM # 1

Subject: Lawrence County, STP BRZ 1203 (406)  
Letting October 27, 2017

- (1) Revised - Plans - R2a, R2b, & R14
- (2) Revised - Bid Items - Pages 80-81 of 81

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in cursive script that reads "Rachel Mills".

Rachel Mills, P.E.  
Director  
Division of Construction Procurement

RM:ks  
Enclosures



An Equal Opportunity Employer M/F/D

## GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	MATTIE ROAD	TOTAL PROJECT
1987	DELINEATOR FOR GUARDRAIL - BI DIRECTIONAL WHITE	EACH	7	7
1990	DELINEATOR FOR BARRIER WALL - BI DIRECTIONAL WHITE	EACH	4	4
2014	BARRICADE TYPE III	EACH	2	2
2159	TEMPORARY DITCH	LF	275	275
2160	CLEAN TEMPORARY DITCH	LF	138	138
2230	EMBANKMENT IN PLACE	CY	1,223	1,223
2242	WATER (FOR DUST CONTROL) (2)	MGAL	5	5
2263	FENCE - WOVEN WIRE TYPE II	LF	845	845
2288	SINGLE VEHICULAR WOVEN WIRE GATE	EACH	2	2
2351	STEEL W-BEAM GUARDRAIL SINGLE FACE	LF	300	300
2359	GUARDRAIL CONNECTOR TO CONC. MED. BARR.	EACH	4	4
2371	GUARDRAIL END TREATMENT TYPE 7	EACH	4	4
2432	WITNESS POST	EACH	5	5
2484	CHANNEL LINING CLASS III	TON	498	498
2545	CLEARING AND GRUBBING (3)	LS	1	1
2555	CONCRETE - CLASS B	CY	22	22
2562	TEMPORARY SIGNS (5)	SY	61	61
2569	DEMOBILIZATION	LS	1	1
2585	EDGE KEY	LF	29	29
2600	GEOTEXTILE FABRIC TY. IV - FOR PIPES	SY	63	63
2650	MAINTAIN & CONTROL TRAFFIC	LS	1	1
2701	TEMPORARY SILT FENCE	LF	275	275
2703	SILT TRAP TYPE A	EACH	1	1
2704	SILT TRAP TYPE B	EACH	1	1
2705	SILT TRAP TYPE C	EACH	1	1
2706	CLEAN SILT TRAP TYPE A	EACH	1	1
2707	CLEAN SILT TRAP TYPE B	EACH	1	1
2708	CLEAN SILT TRAP TYPE C	EACH	1	1
2726	STAKING	LS	1	1
2731	REMOVE EXISTING STRUCTURE (4)	LS	1	1
3144	CONC. MEDIAN BARRIER TYPE 9C	LF	60	60
5950	EROSION CONTROL BLANKET	SY	184	184
5952	TEMPORARY MULCH	SY	3,924	3,924
5953	TEMPORARY SEEDING AND PROTECTION	SY	2,928	2,928
5963	INITIAL FERTILIZER	TON	0.2	0.2
5964	20-10-10 FERTILIZER	TON	0.3	0.3
5985	SEEDING AND PROTECTION	SY	5,856	5,856
5992	AGRICULTURAL LIMESTONE	TON	3.6	3.6
6514	PAVE STRIPING - PERM PAINT - 4 INCH	LF	2,200	2,200
2203	STRUCTURE EXCAVATION UNCLASSIFIED (10)	CY	270	270
8003	FOUNDATION PREPARATION (11)	LS	1	1
24540	R/W MONUMENT TYPE 3	EACH	10	10

### NOTES

ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.

(1) ESTIMATED AT 115 LB/SY/IN.

(2) ESTIMATED AT 50 MILLION GALLONS PER MILE.

(3) APPROXIMATELY 0.85 ACRES.

(4) THE EXISTING MATTIE ROAD BRIDGE SHALL BE REMOVED IN ACCORDANCE WITH THE SPECIFICATIONS EXCEPT MATCHMARKING IS NOT REQUIRED. ALL MATERIALS IN THE EXISTING BRIDGE SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED IN ACCORDANCE WITH THE SPECIFICATIONS.

(5) FOR MAINTENANCE OF TRAFFIC PURPOSES. SEE SHEET R8 FOR DETAILS.

(6) CONSTRUCT 63 LF OF ALUMINUM STRUCTURAL PLATE BOX CULVERT 25'-2" SPAN, 7'-0" RISE, 63'-0" LONG WITH ALUMINUM HEADWALLS AND TOEWALLS WITH FULL ALUMINUM INVERT.

PRICE INCLUDES MATERIALS, INSTALLATION, ASSEMBLY, AND ALL FOOTER WORK.

(7) ASPHALT SEAL COAT AND ASPHALT SEAL AGGREGATE SHALL HAVE TWO APPLICATIONS.

(8) ESTIMATED AT 2.4 LB/SY.

(9) ESTIMATED AT 20 LB/SY.

(10) STRUCTURE EXCAVATION UNCLASSIFIED IS EXCAVATION TO 2 FEET BELOW THE FLOWLINE OF THE NEW CULVERT REGARDLESS OF THE MATERIAL ENCOUNTERED, INCLUDING SOLID ROCK. EXCAVATION BEYOND 2 FEET BELOW THE FLOWLINE WILL BE PAID FOR AS FOUNDATION PREPARATION.

(11) FOUNDATION PREPARATION SHALL BE EXCAVATION FROM 2 FEET BELOW CULVERT FLOWLINE TO BEDROCK. THIS ITEM INCLUDES EXCAVATION, THE BACKFILL OF #2 STONE TO WITHIN 6 INCHES OF THE CULVERT FLOWLINE, 6 INCHES OF #57 STONE BELOW THE CULVERT FLOWLINE, AND TYPE III GEOTEXTILE FABRIC. ANY TEMPORARY SHORING OR DEWATERING WILL BE INCIDENTAL TO THIS BID ITEM.

## PAVING SUMMARY

ITEM CODE	ITEM	UNIT	MATTIE ROAD	TOTAL PROJECT
1	DGA (1)	TON	304	304
100	ASPHALT SEAL AGGREGATE	TON	11	11
103	ASPHALT SEAL COAT	TON	1.3	1.3
221	CL2 ASPH BASE 0.75D PG64-22	TON	555	555
301	CL2 ASPH SURF 0.38D PG64-22	TON	68	68

## PAVING AREAS

ITEM	MATTIE ROAD				TOTALS
	S	Q	U	A	
1" CL2 ASPH SURF 0.38D PG64-22	1,230				1,230
4" CL2 ASPH BASE 0.75D PG64-22 (TOP LIFT)	1,240				1,240
4" CL2 ASPH BASE 0.75D PG64-22 (BOTTOM LIFT)	1,280				1,280
4" DGA	1,320				1,320
ASPHALT SEAL COAT (7)	1,100				1,100
ASPHALT SEAL AGGREGATE (7)	1,100				1,100

PROJECT EARTHWORK TOTALS
1,223 CU YD EMBANKMENT 715 CU YD COMMON 0 CU YD ROCK 0 CU YD EMB. BENCH 0 CU YD SURF. DITCH
SHRINK AND SWELL FACTORS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

## PIPE DRAINAGE SUMMARY

SHEET NO.	ITEM CODE	SKEW	COVER HEIGHT	DESIGN pH LEVEL	15 INCH CULV. PIPE	REMOVE PIPE	SLOPED BOX OUTLET TYPE 1 15 INCH	25'-2"x7'0" ALUMINUM BOX CULVERT	REMARKS
	<b>ITEM CODE</b>				<b>461</b>	<b>1310</b>	<b>1432</b>	<b>20694EN</b>	
	<b>UNIT TO BID</b>				<b>LF</b>	<b>LF</b>	<b>EACH</b>	<b>LF</b>	
R13	55+30.22	35° RT.	2.3	M				63	25'-2"x7'-0" ALUMINUM BOX CULVERT
R14	56+25	10° LT.	2.2	M	21	4	1		
	<b>TOTAL PROJECT</b>				21	4	1	63	

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R E A D S					
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COUNTY OF	ITEM NO.	SHEET NO.
LAWRENCE	12-1118.00	R2A

REVISED: OCTOBER 19, 2017

PROJECT EARTHWORK TOTALS
1,223 CU YD EMBANKMENT
715 CU YD COMMON
0 CU YD ROCK
0 CU YD EMB. BENCH
0 CU YD SURF. DITCH

SHRINK AND SWELL FACTORS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

COUNTY OF	ITEM NO.	SHEET NO.
LAWRENCE	12-1118.00	R2B

# GENERAL NOTES

160 N.G.S. (U.S.G.S.) BENCH MARKS

DO NOT DISTURB N.G.S. (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DIRECTED BY THE ENGINEER.

165 BEFORE YOU DIG

THE CONTRACTOR IS INSTRUCTED TO CALL 1-800-752-6007 TO REACH KY 811, THE ONE-CALL SYSTEM FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES. THE CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

THE CONTRACTOR IS ADVISED THAT THE UTILITY LOCATIONS AND ELEVATIONS SHOWN ON THE PLANS ARE APPROXIMATE.

190 DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION. POST A COPY OF THE DA PERMIT AND THE WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACT BID PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

448 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED ON THIS PROJECT BY OPTION B ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.

455 EDGE KEY

THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS SO THAT THE NEW SURFACE MAY HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT PRICE BID LINEAR FOOT (PER METER) FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOR AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT MATERIAL.

650 STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-4610

EXISTING UTILITIES

ANY DAMAGE TO EXISTING UTILITIES, OUTSIDE OF THE CONSTRUCTION LIMITS, SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR IS ADVISED THAT THE UTILITY LOCATIONS AND ELEVATIONS SHOWN ON THE PLANS ARE APPROXIMATE.

ALUMINUM BOX CULVERT

THIS BID ITEM INCLUDES, BUT IS NOT LIMITED TO, BEDDING AND ALL ITEMS NECESSARY FOR THE CONSTRUCTION OF THE ALUMINUM STRUCTURAL PLATE BOX CULVERT. THE FOLLOWING ITEMS SHALL BE CONSIDERED INCIDENTAL TO THE STRUCTURE: ALL ITEMS NECESSARY TO CONSTRUCT ALUMINUM HEADWALLS AND TOEWALLS. ALSO INCLUDED IN THIS BID ITEM ARE ALL WORK AND MATERIALS REQUIRED TO OBTAIN A MINIMUM BEARING CAPACITY OF 4,000 PSF BELOW THE STRUCTURE.

FILE NAME: J:\1505\ROADWAY\SUMMARY\_SHTS\RO020BGN.DGN

USER: mwirtzberger  
DATE PLOTTED: October 17, 2017

E-SHEET NAME: RO020BGN

MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
LAWRENCE	12-1118.00	R2B

REVISED: OCTOBER 19, 2017

# GENERAL NOTES

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PIPE DRAINAGE SHEET 1 of 2

COUNTY OF	ITEM NO.	SHEET NO.
LAWRENCE	12-1118.00	R14

STORM SEWER PIPE

ALUMINUM BOX CULVERT

25'-2" X 7'-0"

DESIGN pH

MAX COVER HEIGHT

L I N E A R F E E T

LF

M

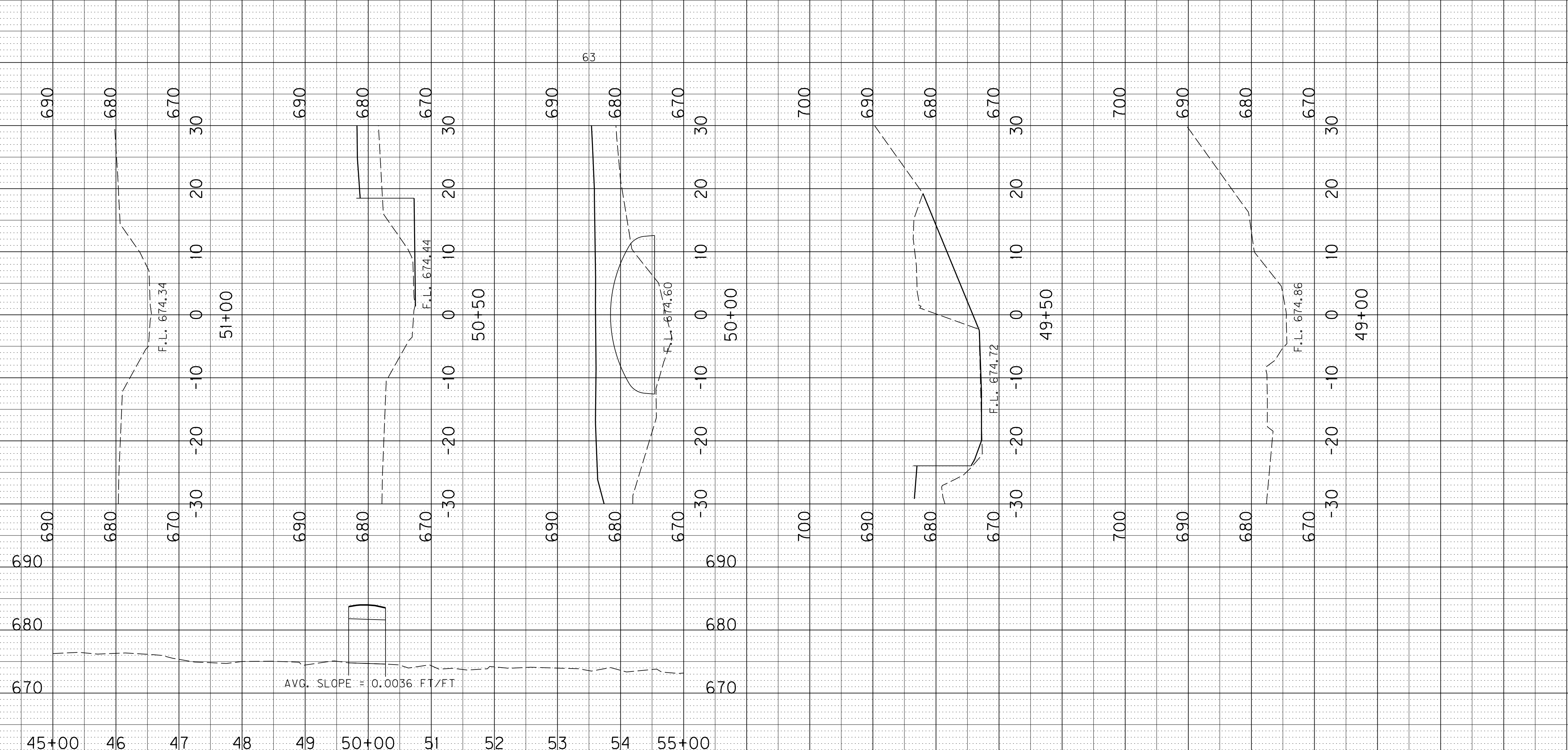
2.3

FILE NAME: J:\1505.ROADWAY\PIPEL\_SHEETS\RO1400PD.DGN

USER: mwr12ber.ger  
DATE PLOTTED: October 17, 2017

E-SHEET NAME: RO1400PD

MicroStation v8.11.9.357



FLOOD DATA			
DESIGN CHECK	STORM (YR)	RUNOFF (cfs)	HEADWATER ELEV (ft)
	25	1,289	681.23
	100	1,735	682.78

CONST. 63 LF OF 25'2"x7'0" ALUMINUM BOX CULVERT WITH FULL ALUMINUM INVERT

CONST. ALUMINUM BOX CULVERT HEADWALL 25.55' RT. OF STA. 55+10.99

CONST. ALUMINUM BOX CULVERT HEADWALL 25.28' LT. OF STA. 55+50.07

25'2"x7'0" ALUMINUM BOX CULVERT So = 0.0032 FT/FT

CONST. 40 LF OF INLET DITCH W/ 210 TONS OF CLASS III CHANNEL LINING

CONST. 45 LF OF OUTLET DITCH W/ 284 TONS OF CLASS III CHANNEL LINING

\*\*CULVERT FOUNDATION SHALL BE EXCAVATED TO SOLID BEDROCK AND BACKFILLED WITH GRANULAR EMBANKMENT TO A MINIMUM BEARING RESISTANCE OF 4 KSF.

SCALE: 1"=10'

SITUATION SURVEY SHEET  
MATTIE ROAD  
55+30.22 @ 35° SKEW RT.

PIPE DRAINAGE SHEET 1 of 2

COUNTY OF	ITEM NO.	SHEET NO.
LAWRENCE	12-1118.00	R14

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STORM SEWER PIPE

ALUMINUM BOX CULVERT

25'-2" X 7'-0"

DESIGN pH

MAX COVER HEIGHT

L I N E A R F E E T

LF

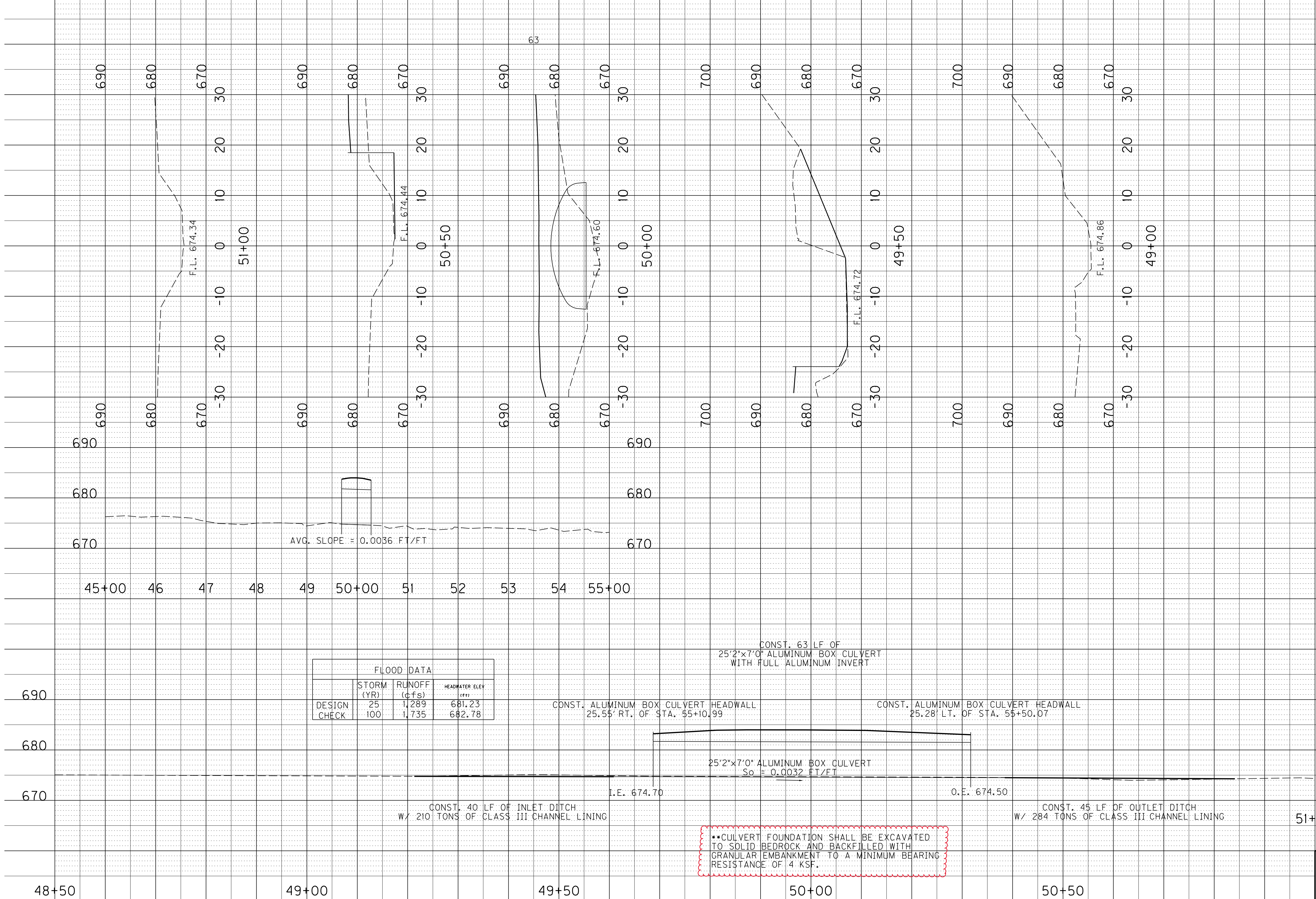
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	100	1,735	682.78

CONST. 63 LF OF 25'-2" X 7'-0" ALUMINUM BOX CULVERT WITH FULL ALUMINUM INVERT

CONST. ALUMINUM BOX CULVERT HEADWALL 25.55' RT. OF STA. 55+10.99

CONST. ALUMINUM BOX CULVERT HEADWALL 25.28' LT. OF STA. 55+50.07

25'-2" X 7'-0" ALUMINUM BOX CULVERT So = 0.0032 FT/FT

CONST. 40 LF OF INLET DITCH W/ 210 TONS OF CLASS III CHANNEL LINING

CONST. 45 LF OF OUTLET DITCH W/ 284 TONS OF CLASS III CHANNEL LINING

CULVERT FOUNDATION SHALL BE EXCAVATED TO SOLID BEDROCK AND BACKFILLED WITH GRANULAR EMBANKMENT TO A MINIMUM BEARING RESISTANCE OF 4 KSF.

SCALE: 1"=10'

SITUATION SURVEY SHEET  
MATTIE ROAD  
55+30.22 @ 35° SKEW RT.

**PROPOSAL BID ITEMS**

REVISED ADDENDUM #1: 10-20-17

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**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	304.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	11.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	1.30	TON		\$	
0040	00221		CL2 ASPH BASE 0.75D PG64-22	555.00	TON		\$	
0050	00301		CL2 ASPH SURF 0.38D PG64-22	68.00	TON		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0060	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	7.00	EACH		\$	
0070	01990		DELINEATOR FOR BARRIER WALL-B/W	4.00	EACH		\$	
0080	02014		BARRICADE-TYPE III	2.00	EACH		\$	
0090	02159		TEMP DITCH	275.00	LF		\$	
0100	02160		CLEAN TEMP DITCH	138.00	LF		\$	
0105	02203		STRUCTURE EXCAV-UNCLASSIFIED (ADDED: 10-20-17)	270.00	CUYD		\$	
0110	02230		EMBANKMENT IN PLACE	1,223.00	CUYD		\$	
0120	02242		WATER	5.00	MGAL		\$	
0130	02263		FENCE-WOVEN WIRE TYPE 2	845.00	LF		\$	
0140	02288		SINGLE VEHICULAR WOVEN WIRE GATE	2.00	EACH		\$	
0150	02351		GUARDRAIL-STEEL W BEAM-S FACE	300.00	LF		\$	
0160	02359		GUARDRAIL CONNECTOR TO CONC MED BARR	4.00	EACH		\$	
0170	02371		GUARDRAIL END TREATMENT TYPE 7	4.00	EACH		\$	
0180	02432		WITNESS POST	5.00	EACH		\$	
0190	02484		CHANNEL LINING CLASS III	498.00	TON		\$	
0200	02545		CLEARING AND GRUBBING 0.85 ACRES	1.00	LS		\$	
0210	02555		CONCRETE-CLASS B	22.00	CUYD		\$	
0220	02562		TEMPORARY SIGNS	61.00	SQFT		\$	
0230	02585		EDGE KEY	29.00	LF		\$	
0240	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	63.00	SQYD	\$2.00	\$	\$126.00
0250	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0260	02701		TEMP SILT FENCE	275.00	LF		\$	
0270	02703		SILT TRAP TYPE A	1.00	EACH		\$	
0280	02704		SILT TRAP TYPE B	1.00	EACH		\$	
0290	02705		SILT TRAP TYPE C	1.00	EACH		\$	
0300	02706		CLEAN SILT TRAP TYPE A	1.00	EACH		\$	
0310	02707		CLEAN SILT TRAP TYPE B	1.00	EACH		\$	
0320	02708		CLEAN SILT TRAP TYPE C	1.00	EACH		\$	
0330	02726		STAKING	1.00	LS		\$	
0340	02731		REMOVE STRUCTURE	1.00	LS		\$	
0350	03144		CONC MEDIAN BARRIER TYPE 9C1	60.00	LF		\$	
0360	05950		EROSION CONTROL BLANKET	184.00	SQYD		\$	
0370	05952		TEMP MULCH	3,924.00	SQYD		\$	
0380	05953		TEMP SEEDING AND PROTECTION	2,928.00	SQYD		\$	



**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0390	05963		INITIAL FERTILIZER	.20	TON		\$	
0400	05964		20-10-10 FERTILIZER	.30	TON		\$	
0410	05985		SEEDING AND PROTECTION	5,856.00	SQYD		\$	
0420	05992		AGRICULTURAL LIMESTONE	3.60	TON		\$	
0430	06514		PAVE STRIPING-PERM PAINT-4 IN	2,200.00	LF		\$	
0450	08003		FOUNDATION PREPARATION INCLUDES 305 TONS #2 STONE, 102 TONS #57 STONE AND 405 SQUARE YARDS OF GEOTEXTIL	1.00	LS		\$	
0460	24540		R/W MONUMENT TYPE 3	10.00	EACH		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0470	00461		CULVERT PIPE-15 IN	21.00	LF		\$	
0480	01310		REMOVE PIPE	4.00	LF		\$	
0490	01432		SLOPED BOX OUTLET TYPE 1-15 IN	1.00	EACH		\$	
0500	20694EN		ALUMINUM STRUCTURAL PLATE BOX CULVERT	63.00	LF		\$	

**Section: 0004 - DEMOBILIZATION &/OR MOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0510	02569		DEMOBILIZATION	1.00	LS		\$	