



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

August 19, 2015

CALL NO. 103
CONTRACT ID NO. 151039
ADDENDUM # 2

Subject: Hardin County, NHPP IM 0654 (048)
Letting August 21, 2015

- (1) Revised - Plan Sheets - R2K, R2L, R2M, & S1
- (2) Revised - Bid Items - Pages 237-245 of 245
- (3) Added - Note - Pages 1-4 of 4

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 (SHEET 3 OF 3)

COUNTY OF	ITEM NO.	SHEET NO.
HARDIN	4-18.00 4-19.00	R2M

REVISED 08-17-2015

ITEM	DESCRIPTION	NOTES	UNIT	I-65 ④	KY 1407	KY 1136	RAMPS, WEIGH STATION, WKP)	TEMPORARY CONSTRUCTION								TOTAL PROJECT
06600	REMOVE PAVEMENT MARKER TYPE V		19	EACH	-	-	-	-	1,238							1,238
08100	CONCRETE-CLASS A		28	CUYD	158	-	-	-								158
08150	STEEL REINFORCEMENT		29	LB	1,663	-	-	-								1,663
08902	CRASH CUSHION TY VI CLASS B TL3			EACH	1	-	-	-								1
10020NS	FUEL ADJUSTMENT			DOLL	-	-	-	-								1,134,091
10030NS	ASPHALT ADJUSTMENT			DOLL	-	-	-	-								1,819,637
20209EP69	GRANULAR PILE CORE		30	CUYD	-	-	450	-								450
20411ED	LAW ENFORCEMENT OFFICER			HOUR	-	-	-	-	200							200
20415ES508	CONC MED BAR TY I2C2(50)			LF	387	-	-	-								387
20432ES112	REMOVE CRASH CUSHION			EACH	12	-	-	-								12
20757ED	PAVEMENT REPAIR (MOT)		31	SOYD	816	-	-	-								816
20757ED	PAVEMENT REPAIR (MAJOR)			SOYD	816	-	-	-								816
20757ED	PAVEMENT REPAIR (MINOR)			SOYD	816	-	-	-								816
21370ED	LONGITUDINAL SAW CUT- 6 IN			LF	97,923	-	-	-								97,923
21597EN	REMOVE PERF PIPE HEADWALL			EACH	66	-	-	-								66
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)		32	LF	21,291	1,801	835	3,646								27,573
22146EN	CONCRETE PATCHING REPAIR		33	SOFT	800	-	-	-								800
22664EN	WATER BLASTING EXISTING STRIPE			LF	123,329	-	-	-								123,329
24814EC	PIPELINE INSPECTION		53	LF	7,822	128	102	-								8,052
23274ENH	TURF REINFORCEMENT MAT (DITCH LINING)			SOYD	245	-	-	-								245
23383EC	REMOVE AND REINSTALL LIGHTS		51	LS	1	-	-	-								1
23545EC	CLEAN ENHANCED SILT TRAP		34	EACH	27	-	-	-								27
23864EC	CHANNEL LINING CLASS III - MOD		35	TON	183	80	70	-								333
24255EC	REMOVE CABLE GUARDRAIL BARRIER SYSTEM			LF	33,826	-	-	-								33,826
24277EC	FLUSH SEDIMENT		36	LS	-	-	-	-								1
24470ED	PERMEABLE PAVEMENT DRAIN			SOYD	13	-	-	-								13
24489EC	INLAID PAVEMENT MARKER			EACH	9,900	-	-	-								9,900
24679ED	PAVE MARK THERMO CHEVRON			SOFT	-	-	-	4,125								4,125
24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN			LF	1,321	-	-	-								1,321
2091ED	HIGH SLUMP 3000 PSI GROUT		37	CUYD	61	27	23	-								111
02998	MASONRY COATING			SOYD	49,507	-	-	-								49,507

- NOTES:**
- ① - ②① SEE GENERAL SUMMARY SHEET 1 OF 3
 - ②② - ④⑨ SEE GENERAL SUMMARY SHEET 2 OF 3
 - ⑤① APPROXIMATELY 58,720 LF LOCATED AT THE ABANDONED HART COUNTY REST AREA AT SOUTHBOUND MP 55. APPROXIMATELY 10,000 LF LOCATED AT SOUTHBOUND I-65 MP 30 AND/OR THE WARREN COUNTY MAINTENANCE FACILITY OFF I-65 EXIT 22. THE CONTRACTOR SHALL CONTACT THE WARREN COUNTY SECTION ENGINEER TWO BUSINESS DAYS IN ADVANCE TO COORDINATE. CONTRACTOR IS RESPONSIBLE FOR LOADING AND TRANSPORTATION OF ALL WALL. ALL WALL USED, WHETHER NEW OR EXISTING, IS TO BE RETAINED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT. CONTRACTOR IS REQUIRED TO UTILIZE ALL AVAILABLE KYTC TEMPORARY CONCRETE MEDIAN BARRIER GOVERNED UNDER BID ITEM 01992 (INSTALL TEMPORARY CONCRETE MEDIAN BARRIER) PRIOR TO PROVIDING CONCRETE BARRIER WALL TYPE 9T.
 - ⑤② THIS INCLUDES RELOCATION OF ELECTRICAL CONDUIT IMPACTED BY PROPOSED GRADES. ALSO INCLUDES MAINTAINING LIGHTING DURING CONSTRUCTION.
 - ⑤③ NOTE THAT A 2' F.B. DITCH WITH CLASS II CHANNEL LINING IS REQUIRED AT OUTLET OF EACH FLUME INLET AS SHOWN ON THE PLANS. THE QUANTITY OF CLASS II CHANNEL LINING IS INCLUDED WITH ITEM 02483.
 - ⑤④ SEE SPECIAL NOTE FOR PIPELINE INSPECTION.

FILE NAME: J:\1-65\R&W AND INSPECTION PLANS 2013\FINAL PLAN SUBMITTAL 4-18.00.4-19.00.2015-08-17 REVISIONS\RODSONSU.DGN
 USER: Detjen
 DATE PLOTTED: August 17, 2015
 E-SHEET NAME:
 MicroStation v8.11.7.443

GENERAL SUMMARY (SHEET 3 OF 3)

COUNTY OF	ITEM NO.	SHEET NO.
HARDIN	4-18.00 4-19.00	R2M

ITEM	DESCRIPTION	NOTES	UNIT	I-65 ④	KY 1407	KY 1136	RAMPS, WEIGH STATION, WKP)	TEMPORARY CONSTRUCTION									TOTAL PROJECT
06600	REMOVE PAVEMENT MARKER TYPE V	19	EACH	-	-	-	-	1,238									1,238
08100	CONCRETE-CLASS A	28	CUYD	158	-	-	-	-									158
08150	STEEL REINFORCEMENT	29	LB	1,663	-	-	-	-									1,663
08902	CRASH CUSHION TY VI CLASS B TL3		EACH	1	-	-	-	-									1
10020NS	FUEL ADJUSTMENT		DOLL	-	-	-	-	-									1,134,091
10030NS	ASPHALT ADJUSTMENT		DOLL	-	-	-	-	-									1,819,637
20209EP69	GRANULAR PILE CORE	30	CUYD	-	-	450	-	-									450
20411ED	LAW ENFORCEMENT OFFICER		HOUR	-	-	-	-	200									200
20415ES508	CONC MED BAR TY I2C2(50)		LF	387	-	-	-	-									387
20432ES112	REMOVE CRASH CUSHION		EACH	12	-	-	-	-									12
20757ED	PAVEMENT REPAIR (MOT)	31	SOYD	816	-	-	-	-									816
20757ED	PAVEMENT REPAIR (MAJOR)		SOYD	816	-	-	-	-									816
20757ED	PAVEMENT REPAIR (MINOR)		SOYD	816	-	-	-	-									816
21370ED	LONGITUDINAL SAW CUT- 6 IN		LF	97,923	-	-	-	-									97,923
21597EN	REMOVE PERF PIPE HEADWALL		EACH	66	-	-	-	-									66
21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	32	LF	21,291	1,801	835	3,646	-									27,573
22146EN	CONCRETE PATCHING REPAIR	33	SOFT	800	-	-	-	-									800
22664EN	WATER BLASTING EXISTING STRIPE		LF	123,329	-	-	-	-									123,329
24814EC	PIPELINE INSPECTION	53	LF	7,822	128	102	-	-									8,052
23274ENIIF	TURF REINFORCEMENT MAT 1(DITCH LINING)		SOYD	245	-	-	-	-									245
23383EC	REMOVE AND REINSTALL LIGHTS	51	LS	1	-	-	-	-									1
23545EC	CLEAN ENHANCED SILT TRAP	34	EACH	27	-	-	-	-									27
23864EC	CHANNEL LINING CLASS III - MOD	35	TON	183	80	70	-	-									333
24255EC	REMOVE CABLE GUARDRAIL BARRIER SYSTEM		LF	33,826	-	-	-	-									33,826
24277EC	FLUSH SEDIMENT	36	LS	-	-	-	-	-									1
24470ED	PERMEABLE PAVEMENT DRAIN		SOYD	13	-	-	-	-									13
24489EC	INLAID PAVEMENT MARKER		EACH	9,900	-	-	-	-									9,900
24679ED	PAVE MARK THERMO CHEVRON		SOFT	-	-	-	4,125	-									4,125
24683ED	PAVE MARKING-THERMO DOTTED LANE EXTEN		LF	1,321	-	-	-	-									1,321
20911ED	HIGH SLUMP 3000 PSI GROUT	37	CUYD	61	27	23	-	-									111
02998	MASONRY COATING		SOYD	49,507	-	-	-	-									49,507

- NOTES:**
- ① - ②① SEE GENERAL SUMMARY SHEET 1 OF 3
 - ②② - ④⑨ SEE GENERAL SUMMARY SHEET 2 OF 3
 - ⑤① APPROXIMATELY 58,720 LF LOCATED AT THE ABANDONED HART COUNTY REST AREA AT SOUTHBOUND MP 55. APPROXIMATELY 10,000 LF LOCATED AT SOUTHBOUND I-65 MP 30 AND/OR THE WARREN COUNTY MAINTENANCE FACILITY OFF I-65 EXIT 22. THE CONTRACTOR SHALL CONTACT THE WARREN COUNTY SECTION ENGINEER TWO BUSINESS DAYS IN ADVANCE TO COORDINATE. CONTRACTOR IS RESPONSIBLE FOR LOADING AND TRANSPORTATION OF ALL WALL. ALL WALL USED, WHETHER NEW OR EXISTING, IS TO BE RETAINED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT. CONTRACTOR IS REQUIRED TO UTILIZE ALL AVAILABLE KYTC TEMPORARY CONCRETE MEDIAN BARRIER GOVERNED UNDER BID ITEM 01992 (INSTALL TEMPORARY CONCRETE MEDIAN BARRIER) PRIOR TO PROVIDING CONCRETE BARRIER WALL TYPE 9T.
 - ⑤② THIS INCLUDES RELOCATION OF ELECTRICAL CONDUIT IMPACTED BY PROPOSED GRADES. ALSO INCLUDES MAINTAINING LIGHTING DURING CONSTRUCTION.
 - ⑤③ NOTE THAT A 2' F.B. DITCH WITH CLASS II CHANNEL LINING IS REQUIRED AT OUTLET OF EACH FLUME INLET AS SHOWN ON THE PLANS. THE QUANTITY OF CLASS II CHANNEL LINING IS INCLUDED WITH ITEM 02483.
 - ⑤④ SEE SPECIAL NOTE FOR PIPELINE INSPECTION.

FILE NAME: J:\1-65\R&W AND INSPECTION PLANS 2013\FINAL PLAN SUBMITTAL 4-18-00_4-19-00_2015-08-17 REVISIONS\RO200MSLU.DGN
 USER: Detjen
 DATE PLOTTED: August 17, 2015
 E-SHEET NAME:
 MicroStation v8.11.7.443

TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS

HARDIN COUNTY

MUNFORDVILLE TO ELIZABETHTOWN INTERSTATE 65 OVER NOLIN RIVER STA. 530+58.40

ESTIMATE OF QUANTITIES

BID ITEM CODE	02231	02599	02998	03299	08001	08002	08019	08033	08051	08095	08100	08104	08130	08131	08132	08133	08150	08151	24539EC	21532ED	08160							
BID ITEM	STRUCTURE GRANULAR BACKFILL	FABRIC GEOTEXTILE TYPE IV	MASONRY COATING	ARMORED EDGE FOR CONCRETE	STRUCTURE EXCAVATION COMMON	STRUCTURE EXCAVATION SOLID ROCK	CYCLOPEAN STONE RIP RAP	TEST PILES	PILES - STEEL HP 14 X 89	PILE POINTS 14 INCH	CONCRETE CLASS "A"	CONCRETE CLASS "AA"	MECHANICAL REINF COUPLER #5	MECHANICAL REINF COUPLER #6	MECHANICAL REINF COUPLER #7	MECHANICAL REINF COUPLER #8	STEEL REINFORCEMENT	STEEL REINFORCEMENT EPOXY COATED	PPC I-BEAM TYPE HN 60 49	RAIL SYSTEM TYPE III	STRUCTURAL STEEL							
UNIT	C.Y.	S.Y.	S.Y.	L.F.	C.Y.	C.Y.	TONS	L.F.	L.F.	EACH	C.Y.	C.Y.	EACH	EACH	EACH	EACH	LBS.	LBS.	L.F.	L.F.	L.S.							
Substructure																												
INTEGRAL END BENT II	389	384	126	131	681		2,227	29	494	20	62	82			8		16	7,752	1,834									
PIER 1			179		700	224					543		12		120		40	95,021	289									
PIER 2			179		915	324					541		12		120		40	94,784	289									
INTEGRAL END BENT 2	389	384	126	131	681		1,182	32	551	20	62	82			8		16	7,747	1,834									
Superstructure			1,097									1,287	36					464,029	4,275	663								
BRIDGE TOTALS	778	768	1,707	262	2,977	548	3,409	61	1,045	40	1,208	1,451	60	16	240	112	205,304	468,275	4,275	663	1							

① ESTIMATE WEIGHT FOR STRUCTURAL STEEL = 1,527 LBS.

INDEX OF SHEETS

Sheet No.	Description
S1	TITLE SHEET
S2	GENERAL NOTES
S3	LAYOUT
S4-S8	SUBSURFACE DATA
S9	PHASED CONSTRUCTION
S10	FOUNDATION LAYOUT
S11	WINGWALL REMOVAL
S12-S15	INTEGRAL END BENT 1
S16-S18	PIER 1 DETAILS
S19-S21	PIER 2 DETAILS
S22	PIER BILL OF REINFORCEMENT
S23-S26	INTEGRAL END BENT 2
S27	FRAMING PLAN
S28	PPC I-BEAM HN 60 49 DETAILS
S29-S31	SUPERSTRUCTURE DETAILS
S32-S33	TYPICAL SECTIONS
S34-S36	INTEGRAL END BENT DIAPHRAGMS
S37	PIER DIAPHRAGM
S38	INTERMEDIATE DIAPHRAGM
S39-S41	CONSTRUCTION ELEVATIONS
S42	DECK DRAINS
S43	RAIL SYSTEM TYPE 3

SPECIAL NOTES

SPECIAL PROVISIONS

69 Embankment at Bridge End Bent Structures

STANDARD DRAWINGS

BGX-006-09	STENCILS FOR STRUCTURES
BGX-012-02	GEOTECHNICAL LEGEND
BJE-001-12	NEOPRENE EXPANSION DAMS AND ARMORED EDGES
BPS-011-04	HP 14x89 STEEL PILE
RGX-100-05	TREATMENT OF EMBANKMENTS AT END-BENTS
RGX-105-07	TREATMENT OF EMBANKMENTS AT END-BENTS
RBM-115-09	CONCRETE BARRIER WALL TYPE 9T
RBM-120	BOX BEAM STIFFENING OF TEMP. CONCRETE BARRIER

SPECIFICATIONS

2012 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION INCLUDING SUPPLEMENTAL SPECIFICATIONS
2012 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS INCLUDING INTERIM REVISIONS

REVISION DATE

DATE: OCTOBER 2014
DESIGNED BY: D. SIMONS
CHECKED BY: C. LARKIN
DETAILED BY: D. ELDRIDGE
D. SIMONS

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
HARDIN

ROUTE CROSSING
I-65 NOLIN RIVER

TITLE SHEET

PREPARED BY

**PARSONS
BRINCKERHOFF**

SHEET NO.

S1

DRAWING NO.

27155

ITEM NUMBER

4-18.00

DAVID W. SIMONS P.E. 23420
DATE: 5/18/2015

FILE NAME: J:\1-65\STRUCTURES\4-18.00\1-65 OVER NOLIN RIVER\STAGE 2 FINAL PLANS\S27155_001 - REV 1.DGN

USER: Eldridge
DATE PLOTTED: August 18, 2015

E-SHEET NAME:

MicroStation v8.11.7.443

LETTING DATE

CONSTRUCTION PROJECT NO.

REVISED 8-18-2015

TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS

HARDIN COUNTY

MUNFORDVILLE TO ELIZABETHTOWN INTERSTATE 65 OVER NOLIN RIVER STA. 530 + 58.40

INDEX OF SHEETS

Sheet No.	Description
S1	TITLE SHEET
S2	GENERAL NOTES
S3	LAYOUT
S4-S8	SUBSURFACE DATA
S9	PHASED CONSTRUCTION
S10	FOUNDATION LAYOUT
S11	WINGWALL REMOVAL
S12-S15	INTEGRAL END BENT 1
S16-S18	PIER 1 DETAILS
S19-S21	PIER 2 DETAILS
S22	PIER BILL OF REINFORCEMENT
S23-S26	INTEGRAL END BENT 2
S27	FRAMING PLAN
S28	PPC I-BEAM HN 60 49 DETAILS
S29-S31	SUPERSTRUCTURE DETAILS
S32-S33	TYPICAL SECTIONS
S34-S36	INTEGRAL END BENT DIAPHRAGMS
S37	PIER DIAPHRAGM
S38	INTERMEDIATE DIAPHRAGM
S39-S41	CONSTRUCTION ELEVATIONS
S42	DECK DRAINS
S43	RAIL SYSTEM TYPE 3

SPECIAL NOTES

SPECIAL PROVISIONS

69 Embankment at Bridge End Bent Structures

STANDARD DRAWINGS

BGX-006-09	STENCILS FOR STRUCTURES
BGX-012-02	GEOTECHNICAL LEGEND
BJE-001-12	NEOPRENE EXPANSION DAMS AND ARMORED EDGES
BPS-011-04	HP 14x89 STEEL PILE
RGX-100-05	TREATMENT OF EMBANKMENTS AT END-BENTS
RGX-105-07	TREATMENT OF EMBANKMENTS AT END-BENTS
RBM-115-09	CONCRETE BARRIER WALL TYPE 9T
RBM-120	BOX BEAM STIFFENING OF TEMP. CONCRETE BARRIER

SPECIFICATIONS

2012 STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION INCLUDING SUPPLEMENTAL SPECIFICATIONS
2012 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS INCLUDING INTERIM REVISIONS

REVISION	DATE
DATE: OCTOBER 2014	CHECKED BY: C. LARKIN
DESIGNED BY: D. SIMONS	D. SIMONS
DETAILED BY: D. ELDRIDGE	

**Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS**

HARDIN

ROUTE **I-65** CROSSING **NOLIN RIVER**

TITLE SHEET

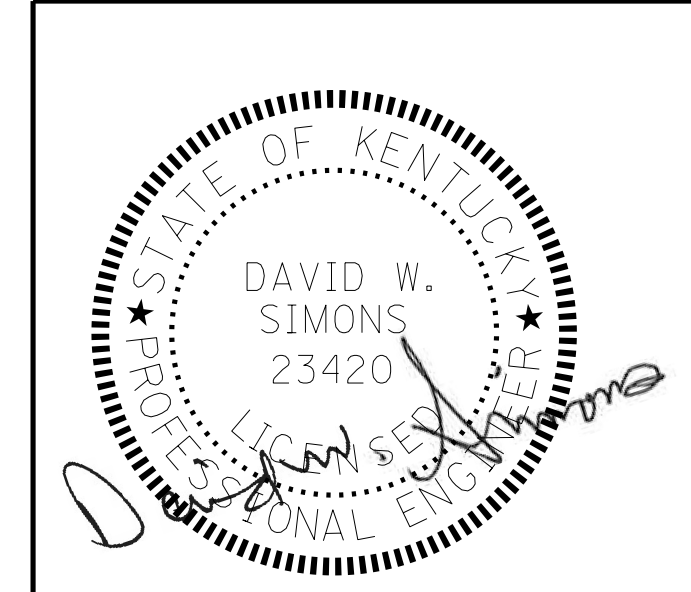
**PARSONS
BRINCKERHOFF**

SHEET NO. **S1**
DRAWING NO. **27155**

ESTIMATE OF QUANTITIES

BID ITEM CODE	02231	02599	02998	03299	08001	08002	08019	08033	08051	08095	08100	08104	08130	08131	08132	08133	08150	08151	24539EC	21532ED	08160					
BID ITEM	STRUCTURE GRANULAR BACKFILL	FABRIC GEOTEXTILE TYPE IV	MASONRY COATING	ARMORED EDGE FOR CONCRETE	STRUCTURE EXCAVATION COMMON	STRUCTURE EXCAVATION SOLID ROCK	CYCLOPEAN STONE RIP RAP	TEST PILES	PILES - STEEL HP 14 X 89	PILE POINTS 14 INCH	CONCRETE CLASS "A"	CONCRETE CLASS "AA"	MECHANICAL REINF COUPLER #5	MECHANICAL REINF COUPLER #6	MECHANICAL REINF COUPLER #7	MECHANICAL REINF COUPLER #8	STEEL REINFORCEMENT	STEEL REINFORCEMENT EPOXY COATED	PPC I-BEAM TYPE HN 60 49	RAIL SYSTEM TYPE III	STRUCTURAL STEEL					
UNIT	C.Y.	S.Y.	S.Y.	L.F.	C.Y.	C.Y.	TONS	L.F.	L.F.	EACH	C.Y.	C.Y.	EACH	EACH	EACH	EACH	LBS.	LBS.	L.F.	L.F.	L.S.					
Substructure																										
INTEGRAL END BENT 1I	389	384	126	131	681		2,227	29	494	20	62	82		8		16	7,752	1,834								
PIER 1			179		700	224					543		12		120	40	95,021	289								
PIER 2			179		915	324					541		12		120	40	94,784	289								
INTEGRAL END BENT 2	389	384	126	131	681		1,182	32	551	20	62	82		8		16	7,747	1,834								
Superstructure				1,097								1,287	36				464,029	4,275	663							
BRIDGE TOTALS	778	768	1,707	262	2,977	548	3,409	61	1,045	40	1,208	1,451	60	16	240	112	205,304	468,275	4,275	663						

① ESTIMATE WEIGHT FOR STRUCTURAL STEEL = 1,527 LBS.



DAVID W. SIMONS P.E. 23420
DATE: 5/18/2015

ITEM NUMBER	4-18.00
-------------	---------

FILE NAME: J:\1-65\STRUCTURES\4-18.00\1-65 OVER NOLIN RIVER\STAGE 2 FINAL PLANS\27155_001 - REV 1.DGN
 CONSTRUCTION PROJECT NO.
 LETTING DATE
 USER: Eldridge
 DATE PLOTTED: August 18, 2015
 E-SHEET NAME:
 MicroStation v8.11.7.443

PROPOSAL BID ITEMS

151039

Page 1 of 9

Report Date 8/19/15

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	128,383.00	TON		\$	
0020	00008		CEMENT STABILIZED ROADBED	327,121.00	SQYD		\$	
0030	00018		DRAINAGE BLANKET-TYPE II-ASPH	169,549.00	TON		\$	
0040	00020		TRAFFIC BOUND BASE	219.00	TON		\$	
0050	00078		CRUSHED AGGREGATE SIZE NO 2	9,200.00	TON		\$	
0060	00100		ASPHALT SEAL AGGREGATE	859.00	TON		\$	
0070	00103		ASPHALT SEAL COAT	103.00	TON		\$	
0080	00190		LEVELING & WEDGING PG64-22	31,084.00	TON		\$	
0090	00214		CL3 ASPH BASE 1.00D PG64-22	175,900.00	TON		\$	
0100	00216		CL3 ASPH BASE 1.00D PG76-22	3,689.00	TON		\$	
0110	00217		CL4 ASPH BASE 1.00D PG64-22	136,917.00	TON		\$	
0120	00219		CL4 ASPH BASE 1.00D PG76-22	64,414.00	TON		\$	
0130	00336		CL3 ASPH SURF 0.38A PG76-22	1,522.00	TON		\$	
0140	00339		CL3 ASPH SURF 0.38D PG64-22	23,763.00	TON		\$	
0150	00342		CL4 ASPH SURF 0.38A PG76-22	28,339.00	TON		\$	
0160	00358		ASPHALT CURING SEAL	656.00	TON		\$	
0170	02081		JPC PAVEMENT-8 IN SHLD	206.00	SQYD		\$	
0180	02542		CEMENT	6,359.00	TON		\$	
0190	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0200	02677		ASPHALT PAVE MILLING & TEXTURING	8,536.00	TON		\$	
0210	02702		SAND FOR BLOTTER	818.00	TON		\$	
0220	20757ED		PAVEMENT REPAIR MAJOR	816.00	SQYD		\$	
0230	20757ED		PAVEMENT REPAIR MINOR	816.00	SQYD		\$	
0240	20757ED		PAVEMENT REPAIR MOT	816.00	SQYD		\$	
0250	24470ED		PERMEABLE PAVEMENT DRAIN	13.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0610	00078		CRUSHED AGGREGATE SIZE NO 2	7,360.00	TON		\$	
0620	01310		REMOVE PIPE	1,034.00	LF		\$	
0630	01584		CAP DROP BOX INLET	5.00	EACH		\$	
0640	01585		REMOVE DROP BOX INLET	91.00	EACH		\$	
0650	01655		REMOVE JUNCTION BOX	1.00	EACH		\$	
0660	01718		REMOVE INLET REMOVE FLUME INLET	16.00	EACH		\$	
0670	01825		ISLAND CURB AND GUTTER	196.00	LF		\$	
0680	01845		ISLAND INTEGRAL CURB	111.00	LF		\$	
0690	01877		SPECIAL HEADER CURB	4,227.00	LF		\$	
0700	01891		ISLAND HEADER CURB TYPE 2	50.00	LF		\$	
0710	01955		CONC MEDIAN BARRIER TYPE 12C1	800.00	LF		\$	
0720	01967		CONC MEDIAN BARRIER TYPE 12C	43,641.00	LF		\$	
0730	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	250.00	EACH		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #2: 8-19-15

151039

Page 2 of 9

Report Date 8/19/15

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0740	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	7.00	EACH		\$	
0750	01984		DELINEATOR FOR BARRIER - WHITE	9,849.00	EACH		\$	
0760	01985		DELINEATOR FOR BARRIER - YELLOW	14,770.00	EACH		\$	
0770	01986		DELINEATOR FOR BARRIER WALL-B/Y	468.00	EACH		\$	
0780	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	32.00	EACH		\$	
0790	01990		DELINEATOR FOR BARRIER WALL-B/W	12.00	EACH		\$	
0800	01992		INSTALL TEMP CONC MED BARR (REVISED: 8-19-15)	68,720.00	LF		\$	
0810	02003		RELOCATE TEMP CONC BARRIER	199,740.00	LF		\$	
0820	02014		BARRICADE-TYPE III	12.00	EACH		\$	
0830	02159		TEMP DITCH	20,000.00	LF		\$	
0840	02165		REMOVE PAVED DITCH	57.00	SQYD		\$	
0850	02200		ROADWAY EXCAVATION	315,299.00	CUYD		\$	
0860	02231		STRUCTURE GRANULAR BACKFILL	1,492.00	CUYD		\$	
0870	02233		SPECIAL EMBANKMENT GRANULAR	13,864.00	CUYD		\$	
0880	02242		WATER	4,700.00	MGAL		\$	
0890	02259		FENCE-TEMP	2,000.00	LF		\$	
0900	02262		FENCE-WOVEN WIRE TYPE 1	83,939.00	LF		\$	
0910	02265		REMOVE FENCE	83,949.00	LF		\$	
0920	02352		GUARDRAIL-STEEL W BEAM-D FACE	38.00	LF		\$	
0930	02359		GUARDRAIL CONNECTOR TO CONC MED BARR	1.00	EACH		\$	
0940	02360		GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH		\$	
0950	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	13.00	EACH		\$	
0960	02369		GUARDRAIL END TREATMENT TYPE 2A	25.00	EACH		\$	
0970	02381		REMOVE GUARDRAIL	29,000.00	LF		\$	
0980	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	3.00	EACH		\$	
0990	02391		GUARDRAIL END TREATMENT TYPE 4A	29.00	EACH		\$	
1000	02429		RIGHT-OF-WAY MONUMENT TYPE 1	27.00	EACH		\$	
1010	02432		WITNESS POST	3.00	EACH		\$	
1020	02545		CLEARING AND GRUBBING 184 ACRES	1.00	LS		\$	
1030	02555		CONCRETE-CLASS B	30.00	CUYD		\$	
1040	02562		TEMPORARY SIGNS	2,224.00	SQFT		\$	
1050	02570		PROJECT CPM SCHEDULE SEE DESIGN FOR SPECIAL NOTE	1.00	LS		\$	
1060	02585		EDGE KEY	286.00	LF		\$	
1070	02625		REMOVE HEADWALL	28.00	EACH		\$	
1080	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
1090	02671		PORTABLE CHANGEABLE MESSAGE SIGN	11.00	EACH		\$	
1100	02690		SAFELOADING	163.00	CUYD		\$	
1110	02696		SHOULDER RUMBLE STRIPS-SAWED	197,971.00	LF		\$	
1120	02726		STAKING	1.00	LS		\$	
1130	02731		REMOVE STRUCTURE I-65 SB OVER RHUDES CREEK ROAD	1.00	LS		\$	
1140	02731		REMOVE STRUCTURE KY 1136 OVER I-65	1.00	LS		\$	

PROPOSAL BID ITEMS

151039

Page 3 of 9

Report Date 8/19/15

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1150	02731		REMOVE STRUCTURE I-65 NB OVER NOLIN RIVER	1.00	LS		\$	
1160	02731		REMOVE STRUCTURE I-65 SB OVER NOLIN RIVER	1.00	LS		\$	
1170	02731		REMOVE STRUCTURE KY1407 OVER I-65	1.00	LS		\$	
1180	02731		REMOVE STRUCTURE I-65 NB OVER RHUDES CREEK ROAD	1.00	LS		\$	
1190	02775		ARROW PANEL	4.00	EACH		\$	
1200	02898		RELOCATE CRASH CUSHION	25.00	EACH		\$	
1201	02998		MASONRY COATING (ADDED: 8-19-17)	49,507.00	SQYD		\$	
1210	03171		CONCRETE BARRIER WALL TYPE 9T (REVISED: 8-19-15)	30,360.00	LF		\$	
1220	03225		TUBULAR MARKERS	156.00	EACH		\$	
1230	06411		STEEL POST TYPE 2	5,300.00	LF		\$	
1240	06511		PAVE STRIPING-TEMP PAINT-6 IN	669,475.00	LF		\$	
1250	06514		PAVE STRIPING-PERM PAINT-4 IN	9,326.00	LF		\$	
1260	06542		PAVE STRIPING-THERMO-6 IN W	149,987.00	LF		\$	
1270	06543		PAVE STRIPING-THERMO-6 IN Y	100,949.00	LF		\$	
1280	06546		PAVE STRIPING-THERMO-12 IN W	4,691.00	LF		\$	
1290	06550		PAVE STRIPING-TEMP REM TAPE-W	4,000.00	LF		\$	
1300	06551		PAVE STRIPING-TEMP REM TAPE-Y	4,000.00	LF		\$	
1310	06600		REMOVE PAVEMENT MARKER TYPE V	1,238.00	EACH		\$	
1320	08100		CONCRETE-CLASS A	158.00	CUYD		\$	
1330	08150		STEEL REINFORCEMENT	1,663.00	LB		\$	
1340	08902		CRASH CUSHION TY VI CLASS B TL3	1.00	EACH		\$	
1350	08903		CRASH CUSHION TY VI CLASS BT TL3	19.00	EACH		\$	
1360	10020NS		FUEL ADJUSTMENT	1,134,091.00	DOLL	\$1.00	\$	\$1,134,091.00
1370	10030NS		ASPHALT ADJUSTMENT	1,819,637.00	DOLL	\$1.00	\$	\$1,819,637.00
1380	20209EP69		GRANULAR PILE CORE	450.00	CUYD		\$	
1390	20411ED		LAW ENFORCEMENT OFFICER	200.00	HOURL		\$	
1400	20415ES508		CONC MED BAR TY 12C2(50)	387.00	LF		\$	
1410	20432ES112		REMOVE CRASH CUSHION	12.00	EACH		\$	
1420	21370ED		LONGITUDINAL SAW CUT- 6 IN	97,923.00	LF		\$	
1430	21597EN		REMOVE PERF PIPE HEADWALL	66.00	EACH		\$	
1440	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	27,573.00	LF		\$	
1450	22146EN		CONCRETE PATCHING REPAIR	800.00	SQFT		\$	
1460	22664EN		WATER BLASTING EXISTING STRIPE	123,329.00	LF		\$	
1470	23383EC		REMOVE AND REINSTALL LIGHTS	1.00	LS		\$	
1480	24255EC		REMOVE CABLE GUARDRAIL BARRIER SYSTEM	33,826.00	LF		\$	
1490	24277EC		FLUSH SEDIMENT	1.00	LS		\$	
1500	24489EC		INLAID PAVEMENT MARKER	9,900.00	EACH		\$	
1510	24679ED		PAVE MARK THERMO CHEVRON	4,125.00	SQFT		\$	
1520	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN	1,321.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
------	----------	-----	-------------	----------	------	-----------	----	--------

PROPOSAL BID ITEMS

151039

Page 4 of 9

Report Date 8/19/15

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1530	00071		CRUSHED AGGREGATE SIZE NO 57	105.00	TON		\$	
1540	00078		CRUSHED AGGREGATE SIZE NO 2	298.00	TON		\$	
1550	00461		CULVERT PIPE-15 IN	4.00	LF		\$	
1560	00462		CULVERT PIPE-18 IN	318.20	LF		\$	
1570	00464		CULVERT PIPE-24 IN	4.00	LF		\$	
1580	00468		CULVERT PIPE-36 IN	40.00	LF		\$	
1590	00522		STORM SEWER PIPE-18 IN	7,283.60	LF		\$	
1600	00524		STORM SEWER PIPE-24 IN	402.20	LF		\$	
1610	01000		PERFORATED PIPE-4 IN	89,679.00	LF		\$	
1620	01001		PERFORATED PIPE-6 IN	46,311.00	LF		\$	
1630	01010		NON-PERFORATED PIPE-4 IN	6,424.00	LF		\$	
1640	01011		NON-PERFORATED PIPE-6 IN	1,156.00	LF		\$	
1650	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
1660	01020		PERF PIPE HEADWALL TY 1-4 IN	55.00	EACH		\$	
1670	01024		PERF PIPE HEADWALL TY 2-4 IN	1.00	EACH		\$	
1680	01028		PERF PIPE HEADWALL TY 3-4 IN	104.00	EACH		\$	
1690	01032		PERF PIPE HEADWALL TY 4-4 IN	138.00	EACH		\$	
1700	01204		PIPE CULVERT HEADWALL-18 IN	9.00	EACH		\$	
1710	01208		PIPE CULVERT HEADWALL-24 IN	1.00	EACH		\$	
1720	01212		PIPE CULVERT HEADWALL-36 IN	1.00	EACH		\$	
1730	01433		SLOPED BOX OUTLET TYPE 1-18 IN	2.00	EACH		\$	
1740	01450		S & F BOX INLET-OUTLET-18 IN	10.00	EACH		\$	
1750	01453		S & F BOX INLET-OUTLET-36 IN	1.00	EACH		\$	
1760	01480		CURB BOX INLET TYPE B	10.00	EACH		\$	
1770	01502		DROP BOX INLET TYPE 5A	2.00	EACH		\$	
1780	01511		DROP BOX INLET TYPE 5D	1.00	EACH		\$	
1790	01517		DROP BOX INLET TYPE 5F	2.00	EACH		\$	
1800	01691		FLUME INLET TYPE 2	22.00	EACH		\$	
1810	01719		ADJUST INLET	3.00	EACH		\$	
1820	02483		CHANNEL LINING CLASS II	4,011.00	TON		\$	
1830	02484		CHANNEL LINING CLASS III	2,584.00	TON		\$	
1840	02596		FABRIC-GEOTEXTILE TYPE I	5,600.00	SQYD		\$	
1850	02598		FABRIC-GEOTEXTILE TYPE III	5,689.00	SQYD		\$	
1860	02599		FABRIC-GEOTEXTILE TYPE IV	2,105.00	SQYD		\$	
1870	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	4,308.00	SQYD	\$2.00	\$	\$8,616.00
1880	02701		TEMP SILT FENCE	25,513.00	LF		\$	
1890	02703		SILT TRAP TYPE A	189.00	EACH		\$	
1900	02704		SILT TRAP TYPE B	189.00	EACH		\$	
1910	02705		SILT TRAP TYPE C	189.00	EACH		\$	
1920	02706		CLEAN SILT TRAP TYPE A	1,701.00	EACH		\$	
1930	02707		CLEAN SILT TRAP TYPE B	1,701.00	EACH		\$	
1940	02708		CLEAN SILT TRAP TYPE C	1,701.00	EACH		\$	
1950	02709		CLEAN TEMP SILT FENCE	25,513.00	LF		\$	
1960	03262		CLEAN PIPE STRUCTURE	31.00	EACH		\$	
1970	05950		EROSION CONTROL BLANKET	59,303.00	SQYD		\$	
1980	05952		TEMP MULCH	916,747.00	SQYD		\$	
1990	05953		TEMP SEEDING AND PROTECTION	916,747.00	SQYD		\$	
2000	05963		INITIAL FERTILIZER	30.00	TON		\$	
2010	05964		20-10-10 FERTILIZER	48.00	TON		\$	
2020	05985		SEEDING AND PROTECTION	916,747.00	SQYD		\$	

PROPOSAL BID ITEMS

151039

Page 5 of 9

Report Date 8/19/15

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2030	05989		SPECIAL SEEDING CROWN VETCH	107,818.00	SQYD		\$	
2040	05992		AGRICULTURAL LIMESTONE	569.00	TON		\$	
2050	20911ED		HIGH SLUMP 3000 PSI GROUT FOR CHANNEL LINING CLASS III (MOD)	111.00	CUYD		\$	
2060	21601NN		CONC MED BAR BOX INLET TY 12A2-50	2.00	EACH		\$	
2070	21602NN		CONC MED BARR BOX INLET TY 12B2-50	123.00	EACH		\$	
2080	21799EN		BORE AND JACK PIPE-24 IN	250.80	LF		\$	
2090	22620NN		CONC MED BARR BOX INLET TY 12A1-50	2.00	EACH		\$	
2100	23126EN		BORE AND JACK PIPE-18 IN	161.20	LF		\$	
2110	24814EC		PIPELINE INSPECTION (REVISED: 8-19-15)	8,052.00	LF		\$	
2120	23274EN11F		TURF REINFORCEMENT MAT 1	245.00	SQYD		\$	
2130	23545EC		CLEAN ENHANCED SILT TRAP	27.00	EACH		\$	
2140	23610NC		CORED HOLE DRAINAGE BOX CON	2.00	EACH		\$	
2150	23611NN		CONC MED BAR BOX INLET TY 12B1-50	13.00	EACH		\$	
2160	23864EC		CHANNEL LINING CLASS III-MOD	333.00	TON		\$	
2170	23978EC		CONC MED BARR BOX INLET TY 12B2-50 (MOD)	6.00	EACH		\$	
2180	24583EC		HDPE PIPE LINER 18 INCH	899.00	LF		\$	
2190	24583EC		HDPE PIPE LINER 24 INCH	827.00	LF		\$	
2200	24634EC		BEND PREFAB BEND 25 DEG-18 IN	2.00	EACH		\$	

Section: 0004 - BRIDGE-27156

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2210	02231		STRUCTURE GRANULAR BACKFILL	220.00	CUYD		\$	
2220	02599		FABRIC-GEOTEXTILE TYPE IV	310.00	SQYD		\$	
2230	02998		MASONRY COATING	1,513.00	SQYD		\$	
2240	03299		ARMORED EDGE FOR CONCRETE	64.00	LF		\$	
2250	04797		CONDUIT-3 IN	597.00	LF		\$	
2260	08001		STRUCTURE EXCAVATION-COMMON	543.00	CUYD		\$	
2270	08020		CRUSHED AGGREGATE SLOPE PROT	230.00	TON		\$	
2280	08033		TEST PILES	178.00	LF		\$	
2290	08046		PILES-STEEL HP12X53	480.00	LF		\$	
2300	08051		PILES-STEEL HP14X89	920.00	LF		\$	
2310	08094		PILE POINTS-12 IN	32.00	EACH		\$	
2320	08095		PILE POINTS-14 IN	28.00	EACH		\$	
2330	08100		CONCRETE-CLASS A	216.00	CUYD		\$	
2340	08104		CONCRETE-CLASS AA	362.00	CUYD		\$	
2350	08150		STEEL REINFORCEMENT	41,412.00	LB		\$	
2360	08151		STEEL REINFORCEMENT-EPOXY COATED	131,711.00	LB		\$	
2370	08634		PRECAST PC I BEAM TYPE 4	1,135.00	LF		\$	
2380	21532ED		RAIL SYSTEM TYPE III	577.00	LF		\$	

Section: 0005 - BRIDGE-27155

PROPOSAL BID ITEMS

151039

Page 6 of 9

Report Date 8/19/15

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2390	02231		STRUCTURE GRANULAR BACKFILL	778.00	CUYD		\$	
2400	02599		FABRIC-GEOTEXTILE TYPE IV	768.00	SQYD		\$	
2410	02998		MASONRY COATING	1,707.00	SQYD		\$	
2420	03299		ARMORED EDGE FOR CONCRETE	262.00	LF		\$	
2430	08001		STRUCTURE EXCAVATION-COMMON	2,977.00	CUYD		\$	
2440	08002		STRUCTURE EXCAV-SOLID ROCK	548.00	CUYD		\$	
2450	08019		CYCLOPEAN STONE RIP RAP	3,409.00	TON		\$	
2460	08033		TEST PILES	61.00	LF		\$	
2470	08051		PILES-STEEL HP14X89	1,045.00	LF		\$	
2480	08095		PILE POINTS-14 IN	40.00	EACH		\$	
2490	08100		CONCRETE-CLASS A	1,208.00	CUYD		\$	
2500	08104		CONCRETE-CLASS AA	1,451.00	CUYD		\$	
2510	08130		MECHANICAL REINF COUPLER #5	60.00	EACH		\$	
2520	08131		MECHANICAL REINF COUPLER #6	16.00	EACH		\$	
2530	08132		MECHANICAL REINF COUPLER #7	240.00	EACH		\$	
2540	08133		MECHANICAL REINF COUPLER #8	112.00	EACH		\$	
2550	08150		STEEL REINFORCEMENT	205,304.00	LB		\$	
2560	08151		STEEL REINFORCEMENT-EPOXY COATED	468,275.00	LB		\$	
2561	08160		STRUCTURAL STEEL (1,500 POUNDS) (ADDED: 8-19-15)	1.00	LS		\$	
2570	21532ED		RAIL SYSTEM TYPE III	663.00	LF		\$	
2580	24539EC		PPC I-BEAM HN60-49	4,275.00	LF		\$	

Section: 0006 - BRIDGE-27152

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2590	02231		STRUCTURE GRANULAR BACKFILL	1,797.00	CUYD		\$	
2600	02599		FABRIC-GEOTEXTILE TYPE IV	1,345.00	SQYD		\$	
2610	02998		MASONRY COATING	651.00	SQYD		\$	
2620	03299		ARMORED EDGE FOR CONCRETE	260.00	LF		\$	
2630	08001		STRUCTURE EXCAVATION-COMMON	1,554.00	CUYD		\$	
2640	08020		CRUSHED AGGREGATE SLOPE PROT	350.00	TON		\$	
2650	08033		TEST PILES	115.00	LF		\$	
2660	08039		PRE-DRILLING FOR PILES	46.00	LF		\$	
2670	08046		PILES-STEEL HP12X53	4,913.00	LF		\$	
2680	08094		PILE POINTS-12 IN	128.00	EACH		\$	
2690	08100		CONCRETE-CLASS A	810.00	CUYD		\$	
2700	08104		CONCRETE-CLASS AA	327.00	CUYD		\$	
2710	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	36.00	EACH		\$	
2720	08141		MECHANICAL REINF COUPLER #6 EPOXY COATED	436.00	EACH		\$	
2730	08150		STEEL REINFORCEMENT	58,842.00	LB		\$	
2740	08151		STEEL REINFORCEMENT-EPOXY COATED	75,343.00	LB		\$	
2750	08671		PRECAST PC BOX BEAM SB33	1,398.00	LF		\$	
2760	21532ED		RAIL SYSTEM TYPE III	159.00	LF		\$	

Section: 0007 - BRIDGE 27154

PROPOSAL BID ITEMS

151039

Page 7 of 9

Report Date 8/19/15

SECTION: 0007 - BRIDGE-2/154

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2770	02231		STRUCTURE GRANULAR BACKFILL	220.00	CUYD		\$	
2780	02599		FABRIC-GEOTEXTILE TYPE IV	309.00	SQYD		\$	
2790	02998		MASONRY COATING	1,425.00	SQYD		\$	
2800	03299		ARMORED EDGE FOR CONCRETE	64.00	LF		\$	
2810	04797		CONDUIT-3 IN	559.00	LF		\$	
2820	08001		STRUCTURE EXCAVATION-COMMON	480.00	CUYD		\$	
2830	08020		CRUSHED AGGREGATE SLOPE PROT	220.00	TON		\$	
2840	08033		TEST PILES	262.00	LF		\$	
2850	08046		PILES-STEEL HP12X53	2,050.00	LF		\$	
2860	08094		PILE POINTS-12 IN	54.00	EACH		\$	
2870	08100		CONCRETE-CLASS A	212.00	CUYD		\$	
2880	08104		CONCRETE-CLASS AA	345.00	CUYD		\$	
2890	08150		STEEL REINFORCEMENT	40,681.00	LB		\$	
2900	08151		STEEL REINFORCEMENT-EPOXY COATED	110,510.00	LB		\$	
2910	08634		PRECAST PC I BEAM TYPE 4	1,059.00	LF		\$	
2920	21532ED		RAIL SYSTEM TYPE III	539.00	LF		\$	

Section: 0008 - BRIDGE- 047B00127R AND 047B00127L

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2930	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
2940	02998		MASONRY COATING	724.00	SQYD		\$	
2950	03297		EXPAN JOINT REPLACE 3 IN	216.70	LF		\$	
2960	08106		CONCRETE-CLASS M 1	55.60	CUYD		\$	
2970	08150		STEEL REINFORCEMENT	5,472.00	LB		\$	
2980	08435		JACK & SUPPORT BRIDGE SPAN	1.00	LS		\$	
2990	21969NN		BEARING REPLACEMENT	12.00	EACH		\$	
3000	22146EN		CONCRETE PATCHING REPAIR	473.00	SQFT		\$	
3010	23949EC		BRIDGE CLEANING & PREVENTIVE MAINTENANCE	1.00	LS		\$	

Section: 0009 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3020	04903		REFERENCE MARKER	92.00	EACH		\$	
3030	04904		BARRIER MOUNTING BRACKET	46.00	EACH		\$	
3040	06203		MODIFY PANEL SIGNS	4.00	EACH		\$	
3050	06400		GMSS GALV STEEL TYPE A (REVISED: 8-7-15)	15,810.00	LB		\$	
3060	06401		FLEXIBLE DELINEATOR POST-M/W	90.00	EACH		\$	
3070	06405		SBM ALUMINUM PANEL SIGNS (REVISED: 8-7-15)	6,008.00	SQFT		\$	
3080	06406		SBM ALUM SHEET SIGNS .080 IN	18.00	SQFT		\$	
3090	06407		SBM ALUM SHEET SIGNS .125 IN (REVISED: 8-7-15)	561.00	SQFT		\$	
3100	06410		STEEL POST TYPE 1 (REVISED: 8-7-15)	915.00	LF		\$	
3110	06412		STEEL POST MILE MARKERS	18.00	EACH		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #2: 8-19-15

151039

Page 8 of 9

Report Date 8/19/15

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3120	06441		GMSS GALV STEEL TYPE C (REVISED: 8-7-15)	17,140.00	LB		\$	
3130	06448		SIGN BRIDGE ATTACHMENT BRACKET	5.00	EACH		\$	
3140	06449		REM OVERHEAD SIGN SUPPORT STR	2.00	EACH		\$	
3150	06450		REM OVERHEAD STRUC CONC BASE	3.00	EACH		\$	
3160	06451		REMOVE SIGN SUPPORT BEAM (REVISED: 8-7-15)	57.00	EACH		\$	
3170	06453		OSS ALUMINUM 95 FT TRUSS	1.00	EACH		\$	
3180	06490		CLASS A CONCRETE FOR SIGNS (REVISED: 8-7-15)	131.00	CUYD		\$	
3190	06491		STEEL REINFORCEMENT FOR SIGNS (REVISED: 8-7-15)	5,735.00	LB		\$	
3200	20418ED		REMOVE & RELOCATE SIGNS (REVISED: 8-7-15)	13.00	EACH		\$	
3210	20419ND		ROADWAY CROSS SECTION (REVISED: 8-7-15)	24.00	EACH		\$	
3220	21373ND		REMOVE SIGN	34.00	EACH		\$	
3230	21596ND		GMSS TYPE D (REVISED: 8-7-15)	9.00	EACH		\$	
3240	23639ED		REM SIGN BRIDGE MOUNT ATTACHMENT	6.00	EACH		\$	
3250	24631EC		BARCODE SIGN INVENTORY (REVISED: 8-7-15)	28.00	EACH		\$	

Section: 0010 - LIGHTING- WKP

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0260	04714		POLE 120 FT MTG HT HIGH MAST	21.00	EACH		\$	
0270	04761		LIGHTING CONTROL EQUIPMENT	3.00	EACH		\$	
0280	04797		CONDUIT-3 IN	3,300.00	LF		\$	
0290	04800		MARKER	39.00	EACH		\$	
0300	04820		TRENCHING AND BACKFILLING	18,000.00	LF		\$	
0310	04860		CABLE-NO. 8/3C DUCTED	11,000.00	LF		\$	
0320	04861		CABLE-NO. 6/3C DUCTED	19,500.00	LF		\$	
0330	04862		CABLE-NO. 4/3C DUCTED	21,500.00	LF		\$	
0340	04940		REMOVE LIGHTING	1.00	LS		\$	
0350	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	16.00	EACH		\$	
0360	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	12.00	EACH		\$	
0370	20410ED		MAINTAIN LIGHTING	1.00	LS		\$	
0380	21543EN		BORE AND JACK CONDUIT	2,400.00	LF		\$	
0390	23161EN		POLE BASE-HIGH MAST	187.00	CUYD		\$	
0400	24749EC		HIGH MAST LED LUMINAIRE	124.00	EACH		\$	

Section: 0011 - LIGHTING- KY 313

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	04714		POLE 120 FT MTG HT HIGH MAST	13.00	EACH		\$	
0420	04761		LIGHTING CONTROL EQUIPMENT	2.00	EACH		\$	
0430	04797		CONDUIT-3 IN	2,011.00	LF		\$	
0440	04800		MARKER	34.00	EACH		\$	
0450	04820		TRENCHING AND BACKFILLING	17,360.00	LF		\$	

PROPOSAL BID ITEMS

151039

Page 9 of 9

Report Date 8/19/15

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0460	04860		CABLE-NO. 8/3C DUCTED	9,350.00	LF		\$	
0470	04861		CABLE-NO. 6/3C DUCTED	9,100.00	LF		\$	
0480	04862		CABLE-NO. 4/3C DUCTED	9,500.00	LF		\$	
0490	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	6.00	EACH		\$	
0500	20392NS835		ELECTRICAL JUNCTION BOX TYPE C	6.00	EACH		\$	
0510	21543EN		BORE AND JACK CONDUIT	2,011.00	LF		\$	
0520	23161EN		POLE BASE-HIGH MAST	116.00	CUYD		\$	
0530	24749EC		HIGH MAST LED LUMINAIRE	78.00	EACH		\$	

Section: 0012 - TRAINEES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0540	02742		TRAINEE PAYMENT REIMBURSEMENT 1-GROUP 1 OPERATOR	1,600.00	HOUR		\$	
0550	02742		TRAINEE PAYMENT REIMBURSEMENT 1 - GROUP 2, 3 OR 4 OPERATOR	2,800.00	HOUR		\$	
0560	02742		TRAINEE PAYMENT REIMBURSEMENT 1 CEMENT MASON	2,400.00	HOUR		\$	
0570	02742		TRAINEE PAYMENT REIMBURSEMENT 1 - CEMENT MASON	2,400.00	HOUR		\$	
0580	02742		TRAINEE PAYMENT REIMBURSEMENT 1-GROUP 2, 3 OR 4 OPERATOR	1,400.00	HOUR		\$	

Section: 0013 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0590	02568		MOBILIZATION	1.00	LS		\$	
0600	02569		DEMOBILIZATION	1.00	LS		\$	

SPECIAL NOTE FOR PIPELINE INSPECTION

1.0 DESCRIPTION. The Department will perform visual inspections on all pipe on the project. A video inspection will be required on projects having more than 250 linear feet of storm sewer and/or culvert pipe and on routes with an ADT of greater than 1,000 vehicles. Conduct video inspections on all pipe located under the roadway and 50 percent of the remaining pipe not under the roadway. Storm sewer runs and outfall pipes not under the roadway take precedence over rural entrance pipes. Contractors performing this item of work must be prequalified with the Department in the work type J51 (Video Pipe Inspection and Cleaning). Deflection testing shall be completed using a mandrel in accordance with the procedure outlined below or by physical measurement for pipes greater than 36 inches in diameter. Mandrel testing for deflection must be completed prior to the video inspection testing. Unless otherwise noted, Section references herein are to the Department's 2012 Standard Specifications for Road and Bridge Construction.

2.0 VIDEO INSPECTION. Ensure pipe is clear of water, debris or obstructions. Complete the video inspection and any necessary measurement prior to placing the final surface over any pipe. When paving will not be delayed, take measurements 30 days or more after the completion of earthwork to within 1 foot of the finished subgrade. Notify the Engineer a minimum of 24 hours in advance of inspection and notify the Engineer immediately if distresses or locations of improper installation are logged.

2.1 INSPECTION FOR DEFECTS AND DISTRESSES

A) Begin at the outlet end and proceed through to the inlet at a speed less than or equal to 30 ft/minute. Remove blockages that will prohibit a continuous operation.

B) Document locations of all observed defects and distresses including but not limited to: cracking, spalling, slabbing, exposed reinforcing steel, sags, joint offsets, joint separations, deflections, improper joints/connections, blockages, leaks, rips, tears, buckling, deviation from line and grade, damaged coatings/paved inverts, and other anomalies not consistent with a properly installed pipe.

C) During the video inspection provide a continuous 360 degree pan of every pipe joint.

D) Identify and measure all cracks greater than 0.1" and joint separations greater than 0.5".

E) Video Inspections are conducted from junction to junction which defines a pipe run. A junction is defined as a headwall, drop box inlet, curb box inlet, manhole, buried junction, or other structure that disturbs the continuity of the pipe. Multiple pipe inspections may be conducted from a single set up location, but each pipe run must be on a separate video file and all locations are to be referenced from nearest junction relative to that pipe run.

F) Record and submit all data on the TC 64-765 and TC 64-766 forms.

3.0 MANDREL TESTING. Mandrel testing will be used for deflection testing. For use on Corrugated Metal Pipe, High Density Polyethylene Pipe, and Polyvinyl Chloride Pipe,

use a mandrel device with an odd number of legs (9 minimum) having a length not less than the outside diameter of the mandrel. The diameter of the mandrel at any point shall not be less than the diameter specified in Section 3.6. Mandrels can be a fixed size or a variable size.

3.1 Use a proving ring or other method recommended by the mandrel manufacturer to verify mandrel diameter prior to inspection. Provide verification documentation for each size mandrel to the Engineer.

3.2 All deflection measurements are to be based off of the AASHTO Nominal Diameters. Refer to the chart in section 3.6.

3.3 Begin by using a mandrel set to the 5.0% deflection limit. Place the mandrel in the inlet end of the pipe and pull through to the outlet end. If resistance is met prior to completing the entire run, record the maximum distance achieved from the inlet side, then remove the mandrel and continue the inspection from the outlet end of the pipe toward the inlet end. Record the maximum distance achieved from the outlet side.

3.4 If no resistance is met at 5.0% then the inspection is complete. If resistance occurred at 5.0% then repeat 3.1 and 3.2 with the mandrel set to the 10.0% deflection limit. If the deflection of entire pipe run cannot be verified with the mandrel then immediately notify the Engineer.

3.5 Care must be taken when using a mandrel in all pipe material types and lining/coating scenarios. Pipe damaged during the mandrel inspection will be video inspected to determine the extent of the damage. If the damaged pipe was video inspected prior to mandrel inspection then a new video inspection is warranted and supersedes the first video inspection. Immediately notify the Engineer of any damages incurred during the mandrel inspection and submit a revised video inspection report.

3.6 AASHTO Nominal Diameters and Maximum Deflection Limits.

Base Pipe Diameter	AASHTO Nominal Diameter	Max. Deflection Limit	
		5.0%	10.0%
(inches)	(inches)	(inches)	
15	14.76	14.02	13.28
18	17.72	16.83	15.95
24	23.62	22.44	21.26
30	29.53	28.05	26.58
36	35.43	33.66	31.89
42	41.34	39.27	37.21
48	47.24	44.88	42.52
54	53.15	50.49	47.84
60	59.06	56.11	53.15

4.0 PHYSICAL MEASUREMENT OF PIPE DEFLECTION. Alternate method for deflection testing when there is available access or the pipe is greater than 36 inches in diameter, as per 4.1. Use a contact or non-contact distance instrument. A leveling device is recommended for establishing or verifying vertical and horizontal control.

4.1 Physical measurements may be taken after installation and compared to the AASHTO Nominal Diameter of the pipe as per Section 3.6. When this method is used, determine the smallest interior diameter of the pipe as measured through the center point of the pipe (D2). All measurements are to be taken from the inside crest of the corrugation. Take the D2 measurements at the most deflected portion of the pipe run in question and at intervals no greater than ten (10) feet through the run. Calculate the deflection as follows:

$$\% \text{ Deflection} = [(AASHTO \text{ Nominal Diameter} - D2) / AASHTO \text{ Nominal Diameter}] \times 100\%$$

Note: The Engineer may require that preset monitoring points be established in the culvert prior to backfilling. For these points the pre-installation measured diameter (D1) is measured and recorded. Deflection may then be calculated from the following formula:

$$\% \text{ Deflection} = [(D1 - D2) / D1] (100\%)$$

4.2 Record and submit all data.

5.0 DEDUCTION SCHEDULE. All pipe deductions shall be handled in accordance with the tables shown below.

FLEXIBLE PIPE DEFLECTION	
Amount of Deflection (%)	Payment
0.0 to 5.0	100% of the Unit Bid Price
5.1 to 9.9	50% of the Unit Bid Price ⁽¹⁾
10 or greater	Remove and Replace ⁽²⁾

⁽¹⁾ Provide Structural Analysis for HDPE and metal pipe. Based on the structural analysis, pipe may be allowed to remain in place at the reduced unit price. ⁽²⁾ The Department may allow the pipe to remain in place with no pay to the Contractor in instances where it is in the best interest to the public and where the structural analysis demonstrates that the pipe should function adequately.

RIGID PIPE REMEDIATION TABLE PIPE	
Crack Width (inches)	Payment
≤ 0.1	100% of the Unit Bid Price
Greater than 0.1	Remediate or Replace ⁽¹⁾

⁽¹⁾ Provide the Department in writing a method for repairing the observed cracking. Do not begin work until the method has been approved.

6.0 PAYMENT. The Department will measure the quantity in linear feet of pipe to inspect. The Department will make payment for the completed and accepted quantities under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24814EC	Pipeline Inspection	Linear Foot
10065NS	Pipe Deflection Deduction	Dollars