



TRANSPORTATION CABINET

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

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

November 2, 2015

CALL NO. 300
CONTRACT ID NO. 151265
ADDENDUM # 1

Subject: Bullitt County, 121GR15D075-FD04
Letting November 20, 2015

- (1) Revised - Plan Sheets - R2G, R2H, R2I, R2J, R2V, S1, S2, S11, & S12
- (2) Revised - Special Note - Pages 88-89 of 653
- (3) Revised - Summary - Pages 105-106 of 653
- (4) Revised - Special Note - Pages 552-555 of 653
- (5) Added - Note - Page 1 of 1
- (6) Revised - Bid Items - Pages 644-653 of 653

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

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R2G

FILE NAME: U:\93370F\SEC2\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL 9-4-15\CONTRACT PLAN SET\ROADWAY\RO0206SU.DGN
 USER: lgh11num
 DATE PLOTTED: October 16, 2015
 E-SHEET NAME: RO0206SU
 MicroStation v8.11.7.443

ITEM CODE	ITEM	UNIT	KY 61 RURAL	KY 61 CONNECTOR	FRONTAGE ROAD NO. 1	NORTH VIEW DRIVE	APPROACH ROAD NO. 1	APPROACH ROAD @ STA. 5+165.205	APPROACH ROAD NO. 2	FRONTAGE ROAD NO. 2	BECNEL LANE	HILL BROOK DRIVE	EXIST. KY 61 RE-BUILD	MOT	PROJECT TOTALS
00526M	STORM SEWER PIPE-750 MM	METER	-	-	-	-	-	-	-	-	-	-	-	21	21
01015M	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
01374	METAL END SECTION TY 1-750 MM	EACH	-	-	-	-	-	-	-	-	-	-	-	1	1
01645	JUNCTION BOX-900 MM	EACH	-	-	-	-	-	-	-	-	-	-	-	1	1
01845M	ISLAND INTEGRAL CURB	METER	45.56	-	-	-	-	-	-	-	-	-	-	-	45.56
01982	DELINEATOR FOR GUARDRAIL - M/W	EACH	92	-	-	-	-	-	-	-	-	-	-	-	92
01983	DELINEATOR FOR GUARDRAIL - M/Y	EACH	24	-	-	-	-	-	-	-	-	-	-	-	24
01987	DELINEATOR FOR GUARDRAIL B/W	EACH	-	4	19	-	-	-	3	-	-	-	-	-	26
01990	DELINEATOR FOR BARRIER WALL-B/W	EACH	5	-	-	-	-	-	-	-	-	-	-	-	5
02014	BARRICADE - TYPE III	EACH	24	-	-	-	-	-	-	-	-	-	-	-	24
02091M	REMOVING PAVEMENT ②	SQ M	424.5	-	-	-	-	-	-	-	-	274.6	-	-	699.1
02159M	TEMPORARY DITCH ③	METER	1,908	-	-	-	-	-	-	-	-	-	-	-	1,908
02160M	CLEAN TEMPORARY DITCH ③	METER	954	-	-	-	-	-	-	-	-	-	-	-	954
02200M	ROADWAY EXCAVATION ①	CU M	85,799	1,435	3,596	118	-	-	5,449	694	2,508	178	1,821	-	101,598
02223M	GRANULAR EMBANKMENT ④	CU M	4,637	-	-	-	-	-	-	-	-	-	-	-	4,637
02242M	WATER ⑤	MGAL	4.4	-	-	-	-	-	-	-	-	-	-	-	4.4
02259M	FENCE-TEMP ⑩	METER	122	-	-	-	-	-	-	-	-	-	-	-	122
02262M	FENCE-WOVEN WIRE TYPE 1	METER	3,192	-	-	-	-	-	-	-	-	304	-	-	3,495
02351M	GUARDRAIL-STEEL W BEAM-S FACE	METER	1,372.79	72.39	387.43	-	-	-	45.72	-	-	-	-	-	1,878.33
02352M	GUARDRAIL-STEEL W BEAM-D FACE	METER	167.64	-	-	-	-	-	-	-	-	-	-	-	167.64
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	8	-	-	-	-	-	-	-	-	-	-	-	8
02365	CRASH CUSHION TYPE IX-A	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	4	1	3	-	-	-	1	-	-	-	-	-	9
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	10	1	2	-	-	-	1	-	-	-	-	1	15
02381M	REMOVE GUARDRAIL	METER	471.95	-	-	-	-	-	-	-	-	-	-	-	471.95
02383M	REMOVE & RESET GUARDRAIL	METER	159.40	-	-	-	-	-	-	-	-	-	-	-	159.40
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH	7	-	-	-	-	-	-	-	-	-	-	-	7
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	1	-	-	-	-	-	-	-	-	-	-	-	1
02397M	TEMP GUARDRAIL	METER	41.91	-	-	-	-	-	-	-	-	-	-	-	41.91
02429	RIGHT OF WAY MONUMENT, TYPE 1	EACH	25	-	14	2	-	-	3	1	7	-	-	-	52
02432	WITNESS POST	EACH	6	-	4	-	-	-	1	-	2	-	-	-	13
02483M	CHANNEL LINING CLASS II	MTON	563	501	101	-	-	-	-	22	-	-	-	-	1,187
02484M	CHANNEL LINING CLASS III	MTON	1,397	45	424	-	-	-	-	-	113	-	-	-	1,978
02545M	CLEARING & GRUBBING ⑥	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02555M	CONCRETE-CLASS B ⑦	CU M	77.0	-	-	-	-	-	-	-	-	-	-	-	77.0
02562M	SIGNS	SQ M	100	-	-	-	-	-	-	-	-	-	-	-	100
02568M	MOBILIZATION	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02569M	DEMOBILIZATION	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02585M	EDGE KEY	METER	-	-	-	4.5	-	-	6.7	-	3.1	-	6.8	-	21.1
02596M	FABRIC-GEOTEXTILE TYPE I	SQ M	2,103	766	535	-	-	-	-	33	104	-	-	-	3,541
02599M	FABRIC-GEOTEXTILE TYPE IV ④⑨	SQ M	124,770	-	-	-	-	-	-	-	-	-	-	-	124,770
02650	MAINTAIN & CONTROL TRAFFIC	LP SUM	-	-	-	-	-	-	-	-	-	-	-	-	1
02651	DIVERSIONS (BY-PASS DETOURS) ⑧	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2

EARTHWORK TOTALS	
EXCAVATION	
73,523	COMMON KY 61 RURAL
1,052	COMMON KY 61 CONNECTOR
3,590	COMMON FRONTAGE ROAD NO. 1
118	COMMON NORTH VIEW DRIVE
5,449	COMMON APPROACH ROAD NO. 2
2,508	COMMON BECNEL LANE
694	COMMON FRONTAGE ROAD NO. 2
178	COMMON HILL BROOK DRIVE
1,703	COMMON EXIST KY 61 RE-BUILD
10,616	SOLID ROCK KY 61 RURAL
118	SOLID ROCK EXIST KY 61 RE-BUILD
99,549	TOTAL EXCAVATION
EMBANKMENT	
95,682	EMB KY 61 RURAL
9,902	EMB KY 61 CONNECTOR
7,871	EMB FRONTAGE ROAD NO. 1
5	EMB NORTH VIEW DRIVE
276	EMB APPROACH ROAD NO. 2
840	EMB BECNEL LANE
14	EMB FRONTAGE ROAD NO. 2
13	EMB HILL BROOK DRIVE
4	EMB EXIST KY 61 RE-BUILD
33,041	ROCK ROADBED KY 61 RURAL
806	ROCK ROADBED EXIST KY 61 RE-BUILD
148,454	TOTAL EMBANKMENT

EARTHWORK ADJUSTMENTS FOR ALTERNATE PAVEMENT DESIGNS

CROSS SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR THE ASPHALT PAVEMENT ALTERNATE WITH A THICKNESS OF 360mm (14.5 INCHES). IF THE CONCRETE PAVEMENT ALTERNATE IS SELECTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EARTHWORK TOTALS USING THE CONCRETE TYPICAL SECTION AND THE PROFILE GRADE SHOWN ON THE PLANS.

FOR DRAINAGE QUANTITIES - SEE DRAINAGE SUMMARY SHEETS R2T-R2U	FOR PAVING QUANTITIES - SEE PAVING SUMMARY SHEETS R2N-R2O
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- ① COMBINING SECTION 1 (5-117.10) AND SECTION 2 (5-117.20) INTO ONE CONTRACT RESULTS IN A ROADWAY EXCAVATION PROJECT.
ROADWAY EXCAVATION INCLUDES:
88,815 COMMON
10,734 SOLID ROCK
732 FOUNDATION BENCHING
1,317 SURFACE DITCH

101,598
- ② REMOVE HILL BROOK DRIVE BETWEEN EXIST. AND PROPOSED KY 61 (274.6 SQ M) AND EXISTING KY 61 FROM RT. STA. 5+200 TO 5+280 (424.5 SQ M).
- ③ QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R64-R71).
- ④ GRANULAR EMBANKMENT WITH GEOTEXTILE FABRIC TYPE IV FOR 0.3 METER GRANULAR SUBGRADE.
- ⑤ FOR CONTROLLING DUST CAUSED BY MAINTENANCE OF TRAFFIC ONLY. ESTIMATED AT THE RATE OF 1.325 Mgal/km (3.325 km TOTAL).
- ⑥ APPROXIMATELY 22.964 HECTARES (56.745 ACRES).
- ⑦ FOR RETAINING WALL (MAINLINE STA. 4+390 LT. TO STA. 4+455 LT.).
- ⑧ DIVERSION TO BUILD KY 61 CONNECTOR. LUMP SUM FOR DIVERSIONS INCLUDE:
BECNEL LANE DIVERSION STA. 0+152.299 @ MAINLINE STA. 5+834.523
HILLBROOK DRIVE DIVERSION STA. 5+000.000 @ MAINLINE STA. 6+170.000
- ⑨ 93,858 SQ. M. CARRIED OVER FROM PAVING SUMMARY SHEET R2K.
- ⑩ QUANTITY IS FOR PROTECTION OF GLADE CRESS SITE 1.

METRIC

GENERAL SUMMARY SHEET

REVISED 10-16-2015

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R2G

FILE NAME: U:\93370F\SEC2\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL 9-4-15\CONTRACT PLAN SET\ROADWAY\RO0206SU.DGN
 USER: lgh11num
 DATE PLOTTED: October 16, 2015
 E-SHEET NAME: RO0206SU
 MicroStation v8.11.7.443

ITEM CODE	ITEM	UNIT	KY 61 RURAL	KY 61 CONNECTOR	FRONTAGE ROAD NO. 1	NORTH VIEW DRIVE	APPROACH ROAD NO. 1	APPROACH ROAD @ STA. 5+165.205	APPROACH ROAD NO. 2	FRONTAGE ROAD NO. 2	BECNEL LANE	HILL BROOK DRIVE	EXIST. KY 61 RE-BUILD	MOT	PROJECT TOTALS
00526M	STORM SEWER PIPE-750 MM	METER	-	-	-	-	-	-	-	-	-	-	-	21	21
01015M	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
01374	METAL END SECTION TY 1-750 MM	EACH	-	-	-	-	-	-	-	-	-	-	-	1	1
01645	JUNCTION BOX-900 MM	EACH	-	-	-	-	-	-	-	-	-	-	-	1	1
01845M	ISLAND INTEGRAL CURB	METER	45.56	-	-	-	-	-	-	-	-	-	-	-	45.56
01982	DELINEATOR FOR GUARDRAIL - M/W	EACH	92	-	-	-	-	-	-	-	-	-	-	-	92
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01990	DELINEATOR FOR BARRIER WALL-B/W	EACH	5	-	-	-	-	-	-	-	-	-	-	-	5
02014	BARRICADE - TYPE III	EACH	24	-	-	-	-	-	-	-	-	-	-	-	24
02091M	REMOVING PAVEMENT	② SQ M	424.5	-	-	-	-	-	-	-	-	274.6	-	-	699.1
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02223M	GRANULAR EMBANKMENT	④ CU M	4,637	-	-	-	-	-	-	-	-	-	-	-	4,637
02242M	WATER	⑤ MGAL	4.4	-	-	-	-	-	-	-	-	-	-	-	4.4
02259M	FENCE-TEMP	⑩ METER	122	-	-	-	-	-	-	-	-	-	-	-	122
02262M	FENCE-WOVEN WIRE TYPE 1	METER	3,192	-	-	-	-	-	-	-	-	304	-	-	3,495
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02352M	GUARDRAIL-STEEL W BEAM-D FACE	METER	167.64	-	-	-	-	-	-	-	-	-	-	-	167.64
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
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02545M	CLEARING & GRUBBING	⑥ LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02555M	CONCRETE-CLASS B	⑦ CU M	77.0	-	-	-	-	-	-	-	-	-	-	-	77.0
02562M	SIGNS	SQ M	100	-	-	-	-	-	-	-	-	-	-	-	100
02568M	MOBILIZATION	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02569M	DEMOBILIZATION	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02585M	EDGE KEY	METER	-	-	-	4.5	-	-	6.7	-	3.1	-	6.8	-	21.1
02596M	FABRIC-GEOTEXTILE TYPE I	SQ M	2,103	766	535	-	-	-	-	33	104	-	-	-	3,541
02599M	FABRIC-GEOTEXTILE TYPE IV	④ ⑨ SQ M	124,770	-	-	-	-	-	-	-	-	-	-	-	124,770
02650	MAINTAIN & CONTROL TRAFFIC	LP SUM	-	-	-	-	-	-	-	-	-	-	-	-	1
02651	DIVERSIONS (BY-PASS DETOURS)	⑧ LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2

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9,902	EMB KY 61 CONNECTOR
7,871	EMB FRONTAGE ROAD NO. 1
5	EMB NORTH VIEW DRIVE
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FOR DRAINAGE QUANTITIES - SEE DRAINAGE SUMMARY SHEETS R2T-R2U FOR PAVING QUANTITIES - SEE PAVING SUMMARY SHEETS R2N-R2O

- ① COMBINING SECTION 1 (5-117.10) AND SECTION 2 (5-117.20) INTO ONE CONTRACT RESULTS IN A ROADWAY EXCAVATION PROJECT.
 ROADWAY EXCAVATION INCLUDES:
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 101,598
- ② REMOVE HILL BROOK DRIVE BETWEEN EXIST. AND PROPOSED KY 61 (274.6 SQ M) AND EXISTING KY 61 FROM RT. STA. 5+200 TO 5+280 (424.5 SQ M).
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- ⑦ FOR RETAINING WALL (MAINLINE STA. 4+390 LT. TO STA. 4+455 LT.).
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 HILLBROOK DRIVE DIVERSION STA. 5+000.000 @ MAINLINE STA. 6+170.000
- ⑨ 93,858 SQ. M. CARRIED OVER FROM PAVING SUMMARY SHEET R2K.
- ⑩ QUANTITY IS FOR PROTECTION OF GLADE CRESS SITE 1.

METRIC

GENERAL SUMMARY SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R2H

ITEM CODE	ITEM	UNIT	KY 61 RURAL	KY 61 CONNECTOR	FRONTAGE ROAD NO. 1	NORTH VIEW DRIVE	APPROACH ROAD NO. 1	APPROACH ROAD @ STA. 5+165.205	APPROACH ROAD NO. 2	FRONTAGE ROAD NO. 2	BECNEL DRIVE	HILL BROOK DRIVE	EXIST. KY 61 RE-BUILD	MOT	PROJECT TOTALS
02690M	SAFELADING	CU M	2	-	-	-	-	-	-	-	-	-	-	-	2
02696M	SHOULDER RUMBLE STRIPS - SAWED	METER	8,079	-	-	-	-	-	-	-	-	-	-	-	8,079.4
02701M	TEMPORARY SILT FENCE	METER	1,939	-	-	-	-	-	-	-	-	-	-	-	1,939
02703	SILT TRAP TYPE A	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02704	SILT TRAP TYPE B	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02705	SILT TRAP TYPE C	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02706	CLEAN SILT TRAP TYPE A	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02707	CLEAN SILT TRAP TYPE B	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02708	CLEAN SILT TRAP TYPE C	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02726	STAKING	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02775	ARROW PANEL	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
03171M	CONCRETE BARRIER WALL TYPE 9T	METER	110	-	-	-	-	-	-	-	-	-	-	-	110
03225	TUBULAR MARKERS	EACH	110	-	-	-	-	-	-	-	-	-	-	-	110
05950M	EROSION CONTROL BLANKET	SQ M	1,014	-	798	-	-	-	-	-	170	104	-	-	2,086
05952M	TEMPORARY MULCH	SQ M	157,107	-	-	-	-	-	-	-	-	-	-	-	157,107
05953M	TEMP. SEEDING AND PROTECTION	SQ M	117,813	-	-	-	-	-	-	-	-	-	-	-	117,813
05963M	INITIAL FERTILIZER	MTON	79	-	-	-	-	-	-	-	-	-	-	-	79
05964M	20-10-10 FERTILIZER	MTON	13	-	-	-	-	-	-	-	-	-	-	-	13
05985M	SEEDING AND PROTECTION	SQ M	217,630	-	-	-	-	-	-	-	-	-	-	-	217,630
05989M	SPECIAL SEEDING CROWN VETCH	SQ M	6,977	642	1,190	68	-	-	1,275	213	320	-	-	-	10,685
05992M	AGRICULTURAL LIMESTONE	MTON	158	-	-	-	-	-	-	-	-	-	-	-	158
06510M	PAVE STRIPING-TEMP PAINT-4 IN	METER	10,919	2,064	-	-	-	-	-	-	430	80	-	-	13,493
06514M	PAVE STRIPING - PERM PAINT - 100MM (W&Y)	METER	12,499	1,233	2,505	108	197	110	881	281	665	110	590	-	19,179
06550M	PAVE STRIPING-TEMP REM TAPE-W	METER	3,293	-	-	-	-	-	-	-	-	-	-	-	3,293
06551M	PAVE STRIPING-TEMP REM TAPE-Y	METER	3,293	-	-	-	-	-	-	-	-	-	-	-	3,293
06569M	PAVE MARKING-THERMO CROSS-HATCH	SQ M	405	-	-	-	-	-	-	-	-	-	-	-	405
06574	PAVE MARKING-THERM CURV ARROW	EACH	3	-	-	-	-	1	-	-	-	-	-	-	4
06576	PAVE MARKING-THERMO ONLY	EACH	-	-	-	-	-	1	-	-	-	-	-	-	1
06578	PAVE MARKING-THERMO MERGE ARROW	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
06588	PAVE MARKER TY IVA-BY TEMP	EACH	550	-	-	-	-	-	-	-	-	-	-	-	550
08001M	STRUCTURE EXCAVATION-COMMON	CU M	392.5	-	-	-	-	-	-	-	-	-	-	-	392.5
08002M	STRUCTURE EXCAV-SOLID ROCK	CU M	40	-	-	-	-	-	-	-	-	-	-	-	40
08903	CRASH CUSHION TYPE VI CLASS BT TL3	EACH	1	-	-	-	-	-	-	-	-	-	-	-	1
20000ES724	TREE	EACH	28	-	-	-	-	-	-	-	-	-	-	-	28
20259ED	TEMPORARY MEDIAN CROSSOVER	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
21342ED	FORM LINER (COBBLESTONE)	SQ M	108.6	-	-	-	-	-	-	-	-	-	-	-	108.6
23139EN	STRIPING REMOVAL	METER	14,212	2,064	-	-	-	-	-	-	430	80	-	-	16,786
23274EN11F	TURF REINFORCEMENT MAT - TYPE 1	SQ M	15,325	331	726	111	-	-	685	110	132	-	123	-	17,542
24096EC	REMOVE AND RESET END TREATMENT	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
24814EC	PIPELINE INSPECTION	METER	428	33	153	17	47	-	48	40	35	14	-	-	815
10203ND	PAVEMENT ADJUSTMENT (ASPHALT)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
10203ND	PAVEMENT ADJUSTMENT (CONCRETE)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (LG&E-ELECTRIC)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (LG&E-GAS)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (TIME WARNER CABLE)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (WINDSTREAM)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1

- ③ QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R64-R71).
- ⑦ FOR RETAINING WALL (MAINLINE STA. 4+390 LT. TO STA. 4+455 LT.)
- ⑩ BASED ON A RATE OF 2 CLEANINGS PER CONSTR. SEASON, 1 SEASON TOTAL.
- ⑪ AFTER CONSTRUCTION IS COMPLETE THE BARRIER WALL WILL BE HAULED AND STORED IN THE BULLITT COUNTY MAINTENANCE FACILITY.
- ⑬ QUANTITIES BROUGHT OVER FROM STRIPING SUMMARY SHEET R56.
- ⑭ SEE PROPOSAL FOR SPECIAL ALTERNATE PAVEMENT BID.
- ⑮ QUANTITY INCLUDES 31 METERS FOR PROTECTION OF GLADE CRESS SITE 1.

KY 61 (PRESTON HIGHWAY)
GENERAL SUMMARY SHEET
SHEET 2 OF 2

FILE NAME: U:\93370F\SEC2\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL 9-4-15\CONTRACT PLAN SET\ROADWAY\RO020HSU.DGN
 USER: lgh11num
 DATE PLOTTED: October 16, 2015
 E-SHEET NAME: RO020HSU
 MicroStation v8.11.7.443

METRIC

GENERAL SUMMARY SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R2H

REVISED 10-16-2015

ITEM CODE	ITEM	UNIT	KY 61 RURAL	KY 61 CONNECTOR	FRONTAGE ROAD NO. 1	NORTH VIEW DRIVE	APPROACH ROAD NO. 1	APPROACH ROAD @ STA. 5+165.205	APPROACH ROAD NO. 2	FRONTAGE ROAD NO. 2	BECNEL DRIVE	HILL BROOK DRIVE	EXIST. KY 61 RE-BUILD	MOT	PROJECT TOTALS
02690M	SAFELADING	CU M	2	-	-	-	-	-	-	-	-	-	-	-	2
02696M	SHOULDER RUMBLE STRIPS - SAWED	METER	8,079	-	-	-	-	-	-	-	-	-	-	-	8,079.4
02701M	TEMPORARY SILT FENCE	METER	1,939	-	-	-	-	-	-	-	-	-	-	-	1,939
02703	SILT TRAP TYPE A	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02704	SILT TRAP TYPE B	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02705	SILT TRAP TYPE C	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02706	CLEAN SILT TRAP TYPE A	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02707	CLEAN SILT TRAP TYPE B	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02708	CLEAN SILT TRAP TYPE C	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02726	STAKING	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02775	ARROW PANEL	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
03171M	CONCRETE BARRIER WALL TYPE 9T	METER	110	-	-	-	-	-	-	-	-	-	-	-	110
03225	TUBULAR MARKERS	EACH	110	-	-	-	-	-	-	-	-	-	-	-	110
05950M	EROSION CONTROL BLANKET	SQ M	1,014	-	798	-	-	-	-	-	170	104	-	-	2,086
05952M	TEMPORARY MULCH	SQ M	157,107	-	-	-	-	-	-	-	-	-	-	-	157,107
05953M	TEMP. SEEDING AND PROTECTION	SQ M	117,813	-	-	-	-	-	-	-	-	-	-	-	117,813
05963M	INITIAL FERTILIZER	MTON	79	-	-	-	-	-	-	-	-	-	-	-	79
05964M	20-10-10 FERTILIZER	MTON	13	-	-	-	-	-	-	-	-	-	-	-	13
05985M	SEEDING AND PROTECTION	SQ M	217,630	-	-	-	-	-	-	-	-	-	-	-	217,630
05989M	SPECIAL SEEDING CROWN VETCH	SQ M	6,977	642	1,190	68	-	-	1,275	213	320	-	-	-	10,685
05992M	AGRICULTURAL LIMESTONE	MTON	158	-	-	-	-	-	-	-	-	-	-	-	158
06510M	PAVE STRIPING-TEMP PAINT-4 IN	METER	10,919	2,064	-	-	-	-	-	-	430	80	-	-	13,493
06514M	PAVE STRIPING - PERM PAINT - 100MM (W&Y)	METER	12,499	1,233	2,505	108	197	110	881	281	665	110	590	-	19,179
06550M	PAVE STRIPING-TEMP REM TAPE-W	METER	3,293	-	-	-	-	-	-	-	-	-	-	-	3,293
06551M	PAVE STRIPING-TEMP REM TAPE-Y	METER	3,293	-	-	-	-	-	-	-	-	-	-	-	3,293
06569M	PAVE MARKING-THERMO CROSS-HATCH	SQ M	405	-	-	-	-	-	-	-	-	-	-	-	405
06574	PAVE MARKING-THERM CURV ARROW	EACH	3	-	-	-	-	1	-	-	-	-	-	-	4
06576	PAVE MARKING-THERMO ONLY	EACH	-	-	-	-	-	1	-	-	-	-	-	-	1
06578	PAVE MARKING-THERMO MERGE ARROW	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
06588	PAVE MARKER TY IVA-BY TEMP	EACH	550	-	-	-	-	-	-	-	-	-	-	-	550
08001M	STRUCTURE EXCAVATION-COMMON	CU M	392.5	-	-	-	-	-	-	-	-	-	-	-	392.5
08002M	STRUCTURE EXCAV-SOLID ROCK	CU M	40	-	-	-	-	-	-	-	-	-	-	-	40
08903	CRASH CUSHION TYPE VI CLASS BT TL3	EACH	1	-	-	-	-	-	-	-	-	-	-	-	1
20000ES724	TREE	EACH	28	-	-	-	-	-	-	-	-	-	-	-	28
20259ED	TEMPORARY MEDIAN CROSSOVER	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
21342ED	FORM LINER (COBBLESTONE)	SQ M	108.6	-	-	-	-	-	-	-	-	-	-	-	108.6
23139EN	STRIPING REMOVAL	METER	14,212	2,064	-	-	-	-	-	-	430	80	-	-	16,786
23274EN11F	TURF REINFORCEMENT MAT - TYPE 1	SQ M	15,325	331	726	111	-	-	685	110	132	-	123	-	17,542
24096EC	REMOVE AND RESET END TREATMENT	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
24814EC	PIPELINE INSPECTION	METER	428	33	153	17	47	-	48	40	35	14	-	-	815
10203ND	PAVEMENT ADJUSTMENT (ASPHALT)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
10203ND	PAVEMENT ADJUSTMENT (CONCRETE)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (LG&E-ELECTRIC)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (LG&E-GAS)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (TIME WARNER CABLE)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (WINDSTREAM)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1

- ③ QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R64-R71).
- ⑦ FOR RETAINING WALL (MAINLINE STA. 4+390 LT. TO STA. 4+455 LT.)
- ⑪ BASED ON A RATE OF 2 CLEANINGS PER CONSTR. SEASON, 1 SEASON TOTAL.
- ⑫ AFTER CONSTRUCTION IS COMPLETE THE BARRIER WALL WILL BE HAULED AND STORED IN THE BULLITT COUNTY MAINTENANCE FACILITY.
- ⑬ QUANTITIES BROUGHT OVER FROM STRIPING SUMMARY SHEET R56.
- ⑭ SEE PROPOSAL FOR SPECIAL ALTERNATE PAVEMENT BID.
- ⑮ QUANTITY INCLUDES 31 METERS FOR PROTECTION OF GLADE CRESS SITE 1.

FILE NAME: U:\93370F\SEC2\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL 9-4-15\CONTRACT PLAN SET\ROADWAY\RO020HSU.DGN
 USER: lgh11num
 DATE PLOTTED: October 16, 2015
 E-SHEET NAME: RO020HSU
 MicroStation v8.11.7.443

METRIC

GENERAL SUMMARY SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R21

FILE NAME: U:\93370F\SEC2\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL 9-4-15\CONTRACT PLAN SET\ROADWAY\RO0201SU.DGN
 USER: jgthum
 DATE PLOTTED: October 16, 2015
 E-SHEET NAME: RO0201SU
 MicroStation v8.11.7.443

ITEM CODE	ITEM	UNIT	KY 61 RURAL	KY 61 CONNECTOR	FRONTAGE ROAD NO. 1	NORTH VIEW DRIVE	APPROACH ROAD NO. 1	APPROACH ROAD @ STA. 5+165.205	APPROACH ROAD NO. 2	FRONTAGE ROAD NO. 2	BECNEL LANE	HILL BROOK DRIVE	EXIST. KY 61 RE-BUILD	MOT	PROJECT TOTALS
00526	STORM SEWER PIPE-30 IN	LF	-	-	-	-	-	-	-	-	-	-	-	69	69
01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
01374	METAL END SECTION TY 1-30 IN	EACH	-	-	-	-	-	-	-	-	-	-	-	1	1
01645	JUNCTION BOX-36 IN	EACH	-	-	-	-	-	-	-	-	-	-	-	1	1
01845	ISLAND INTEGRAL CURB	LF	149.5	-	-	-	-	-	-	-	-	-	-	-	149.5
01982	DELINEATOR FOR GUARDRAIL - M/W	EACH	92	-	-	-	-	-	-	-	-	-	-	-	92
01983	DELINEATOR FOR GUARDRAIL - M/Y	EACH	24	-	-	-	-	-	-	-	-	-	-	-	24
01987	DELINEATOR FOR GUARDRAIL B/W	EACH	-	4	19	-	-	-	3	-	-	-	-	-	26
01990	DELINEATOR FOR BARRIER WALL-B/W	EACH	5	-	-	-	-	-	-	-	-	-	-	-	5
02014	BARRICADE - TYPE III	EACH	24	-	-	-	-	-	-	-	-	-	-	-	24
02091	REMOVING PAVEMENT	② SQYD	507.7	-	-	-	-	-	-	-	-	328.4	-	-	836.1
02159	TEMPORARY DITCH	③ LF	6,260	-	-	-	-	-	-	-	-	-	-	-	6,260
02160	CLEAN TEMPORARY DITCH	③ LF	3,130	-	-	-	-	-	-	-	-	-	-	-	3,130
02200	ROADWAY EXCAVATION	① CU YD	112,221	1,877	4,703	154	-	-	7,127	908	3,280	233	2,382	-	132,885
02223	GRANULAR EMBANKMENT	④ CU YD	6,065	-	-	-	-	-	-	-	-	-	-	-	6,065
02242	WATER	⑤ MGAL	4.4	-	-	-	-	-	-	-	-	-	-	-	4.4
02259	FENCE-TEMP	⑩ LF	400	-	-	-	-	-	-	-	-	-	-	-	400
02262	FENCE-WOVEN WIRE TYPE 1	LF	10,471	-	-	-	-	-	-	-	-	996	-	-	11,467
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	4,503.9	237.5	1,271.1	-	-	-	150.0	-	-	-	-	-	6,162.5
02352	GUARDRAIL-STEEL W BEAM-D FACE	LF	550.00	-	-	-	-	-	-	-	-	-	-	-	550.0
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	8	-	-	-	-	-	-	-	-	-	-	-	8
02365	CRASH CUSHION TYPE IX-A	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	4	1	3	-	-	-	1	-	-	-	-	-	9
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	10	1	2	-	-	-	1	-	-	-	-	1	15
02381	REMOVE GUARDRAIL	LF	1,548.39	-	-	-	-	-	-	-	-	-	-	-	1,548.4
02383	REMOVE & RESET GUARDRAIL	LF	522.97	-	-	-	-	-	-	-	-	-	-	-	523.0
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH	7	-	-	-	-	-	-	-	-	-	-	-	7
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	1	-	-	-	-	-	-	-	-	-	-	-	1
02397	TEMP GUARDRAIL	LF	137.50	-	-	-	-	-	-	-	-	-	-	-	137.50
02429	RIGHT OF WAY MONUMENT, TYPE 1	EACH	25	-	14	2	-	-	3	1	7	-	-	-	52
02432	WITNESS POST	EACH	6	-	4	-	-	-	1	-	2	-	-	-	13
02483	CHANNEL LINING CLASS II	TON	621	552	111	-	-	-	-	25	-	-	-	-	1,309
02484	CHANNEL LINING CLASS III	TON	1,539	49	467	-	-	-	-	-	124	-	-	-	2,180
02545	CLEARING & GRUBBING	⑥ LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02555	CONCRETE-CLASS B	⑦ CU YD	101	-	-	-	-	-	-	-	-	-	-	-	101
02562	SIGNS	SQ FT	1,076	-	-	-	-	-	-	-	-	-	-	-	1,076
02568	MOBILIZATION	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02569	DEMobilIZATION	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02585	EDGE KEY	LF	-	-	-	14.8	-	-	22.0	-	10.2	-	22.3	-	69.2
02596	FABRIC-GEOTEXTILE TYPE I	SQ YD	2,516	917	640	-	-	-	-	39	124	-	-	-	4,235
02599	FABRIC-GEOTEXTILE TYPE IV	④⑨ SQ YD	149,222	-	-	-	-	-	-	-	-	-	-	-	149,222
02650	MAINTAIN & CONTROL TRAFFIC	LP SUM	-	-	-	-	-	-	-	-	-	-	-	-	1
02651	DIVERSIONS (BY-PASS DETOURS)	⑧ LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2

EARTHWORK TOTALS	
EXCAVATION	
96,164	COMMON KY 61 RURAL
1,376	COMMON KY 61 CONNECTOR
4,696	COMMON FRONTAGE ROAD NO. 1
154	COMMON NORTH VIEW DRIVE
7,127	COMMON APPROACH ROAD NO. 2
3,280	COMMON BECNEL LANE
908	COMMON FRONTAGE ROAD NO. 2
233	COMMON HILL BROOK DRIVE
2,227	COMMON EXIST KY 61 RE-BUILD
13,885	SOLID ROCK KY 61 RURAL
154	SOLID ROCK EXIST KY 61 RE-BUILD
130,204	TOTAL EXCAVATION
EMBANKMENT	
125,147	EMB KY 61 RURAL
12,951	EMB KY 61 CONNECTOR
10,295	EMB FRONTAGE ROAD NO. 1
7	EMB NORTH VIEW DRIVE
361	EMB APPROACH ROAD NO. 2
1,099	EMB BECNEL LANE
18	EMB FRONTAGE ROAD NO. 2
17	EMB HILL BROOK DRIVE
5	EMB EXIST KY 61 RE-BUILD
43,216	ROCK ROADBED KY 61 RURAL
1,054	ROCK ROADBED EXIST KY 61 RE-BUILD
194,170	TOTAL EMBANKMENT

EARTHWORK ADJUSTMENTS FOR ALTERNATE PAVEMENT DESIGNS

CROSS SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR THE ASPHALT PAVEMENT ALTERNATE WITH A THICKNESS OF 14.5 INCHES. IF THE CONCRETE OR GEOGRID PAVEMENT ALTERNATE IS SELECTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EARTHWORK TOTALS USING THE CONCRETE OR GEOGRID TYPICAL SECTION AND THE PROFILE GRADE SHOWN ON THE PLANS.

FOR DRAINAGE QUANTITIES - SEE DRAINAGE SUMMARY SHEETS R2T-R2U	FOR PAVING QUANTITIES - SEE PAVING SUMMARY SHEETS R2N-R2O
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- ① COMBINING SECTION 1 (5-117.10) AND SECTION 2 (5-117.20) INTO ONE CONTRACT RESULTS IN A ROADWAY EXCAVATION PROJECT.
- ROADWAY EXCAVATION INCLUDES:
 116,166 COMMON
 14,039 SOLID ROCK
 957 FOUNDATION BENCHING
 1,723 SURFACE DITCH
 132,885
- ② REMOVE HILL BROOK DRIVE BETWEEN EXIST. AND PROPOSED KY 61 (507.7 SQYD) AND EXISTING KY 61 FROM RT. STA. 5+200 TO 5+280 (328.4 SQYD).
- ③ QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R64-R71).
- ④ GRANULAR EMBANKMENT WITH GEOTEXTILE FABRIC TYPE IV FOR 12 INCH GRANULAR SUBGRADE.
- ⑤ FOR CONTROLLING DUST CAUSED BY MAINTENANCE OF TRAFFIC ONLY. ESTIMATED AT THE RATE OF 2.125 M GAL PER MILE. (2.066 MILES TOTAL).
- ⑥ APPROXIMATELY 56.745 ACRES.
- ⑦ FOR RETAINING WALL (MAINLINE STA. 4+390 LT. TO STA. 4+455 LT.)
- ⑧ DIVERSION TO BUILD KY 61 CONNECTOR. LUMP SUM FOR DIVERSIONS INCLUDE:
 BECNEL LANE DIVERSION STA. 0+152.299 @ MAINLINE STA. 5+834.523
 HILLBROOK DRIVE DIVERSION STA. 5+000.000 @ MAINLINE STA. 6+170.000
- ⑨ 112,254 SQ. YD. CARRIED OVER FROM PAVING SUMMARY SHEET R2M.
- ⑩ QUANTITY IS FOR PROTECTION OF GLADE CRESS SITE 1.

ENGLISH

GENERAL SUMMARY SHEET

REVISED 10-16-2015

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R21

FILE NAME: U:\93370F\SEC2\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL 9-4-15\CONTRACT PLAN SET\ROADWAY\RO0201SU.DGN
 USER: lgh11thum
 DATE PLOTTED: October 16, 2015
 E-SHEET NAME: RO0201SU
 MicroStation v8.11.7.443

ITEM CODE	ITEM	UNIT	KY 61 RURAL	KY 61 CONNECTOR	FRONTAGE ROAD NO. 1	NORTH VIEW DRIVE	APPROACH ROAD NO. 1	APPROACH ROAD @ STA. 5+165.205	APPROACH ROAD NO. 2	FRONTAGE ROAD NO. 2	BECNEL LANE	HILL BROOK DRIVE	EXIST. KY 61 RE-BUILD	MOT	PROJECT TOTALS
00526	STORM SEWER PIPE-30 IN	LF	-	-	-	-	-	-	-	-	-	-	-	69	69
01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
01374	METAL END SECTION TY 1-30 IN	EACH	-	-	-	-	-	-	-	-	-	-	-	1	1
01645	JUNCTION BOX-36 IN	EACH	-	-	-	-	-	-	-	-	-	-	-	1	1
01845	ISLAND INTEGRAL CURB	LF	149.5	-	-	-	-	-	-	-	-	-	-	-	149.5
01982	DELINEATOR FOR GUARDRAIL - M/W	EACH	92	-	-	-	-	-	-	-	-	-	-	-	92
01983	DELINEATOR FOR GUARDRAIL - M/Y	EACH	24	-	-	-	-	-	-	-	-	-	-	-	24
01987	DELINEATOR FOR GUARDRAIL B/W	EACH	-	4	19	-	-	-	3	-	-	-	-	-	26
01990	DELINEATOR FOR BARRIER WALL-B/W	EACH	5	-	-	-	-	-	-	-	-	-	-	-	5
02014	BARRICADE - TYPE III	EACH	24	-	-	-	-	-	-	-	-	-	-	-	24
02091	REMOVING PAVEMENT	② SQYD	507.7	-	-	-	-	-	-	-	-	328.4	-	-	836.1
02159	TEMPORARY DITCH	③ LF	6,260	-	-	-	-	-	-	-	-	-	-	-	6,260
02160	CLEAN TEMPORARY DITCH	③ LF	3,130	-	-	-	-	-	-	-	-	-	-	-	3,130
02200	ROADWAY EXCAVATION	① CU YD	112,221	1,877	4,703	154	-	-	7,127	908	3,280	233	2,382	-	132,885
02223	GRANULAR EMBANKMENT	④ CU YD	6,065	-	-	-	-	-	-	-	-	-	-	-	6,065
02242	WATER	⑤ MGAL	4.4	-	-	-	-	-	-	-	-	-	-	-	4.4
02259	FENCE-TEMP	⑩ LF	400	-	-	-	-	-	-	-	-	-	-	-	400
02262	FENCE-WOVEN WIRE TYPE 1	LF	10,471	-	-	-	-	-	-	-	-	996	-	-	11,467
02351	GUARDRAIL-STEEL W BEAM-S FACE	LF	4,503.9	237.5	1,271.1	-	-	-	150.0	-	-	-	-	-	6,162.5
02352	GUARDRAIL-STEEL W BEAM-D FACE	LF	550.00	-	-	-	-	-	-	-	-	-	-	-	550.0
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	8	-	-	-	-	-	-	-	-	-	-	-	8
02365	CRASH CUSHION TYPE IX-A	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	4	1	3	-	-	-	1	-	-	-	-	-	9
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	10	1	2	-	-	-	1	-	-	-	-	1	15
02381	REMOVE GUARDRAIL	LF	1,548.39	-	-	-	-	-	-	-	-	-	-	-	1,548.4
02383	REMOVE & RESET GUARDRAIL	LF	522.97	-	-	-	-	-	-	-	-	-	-	-	523.0
02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	EACH	7	-	-	-	-	-	-	-	-	-	-	-	7
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	1	-	-	-	-	-	-	-	-	-	-	-	1
02397	TEMP GUARDRAIL	LF	137.50	-	-	-	-	-	-	-	-	-	-	-	137.50
02429	RIGHT OF WAY MONUMENT, TYPE 1	EACH	25	-	14	2	-	-	3	1	7	-	-	-	52
02432	WITNESS POST	EACH	6	-	4	-	-	-	1	-	2	-	-	-	13
02483	CHANNEL LINING CLASS II	TON	621	552	111	-	-	-	-	25	-	-	-	-	1,309
02484	CHANNEL LINING CLASS III	TON	1,539	49	467	-	-	-	-	-	124	-	-	-	2,180
02545	CLEARING & GRUBBING	⑥ LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02555	CONCRETE-CLASS B	⑦ CU YD	101	-	-	-	-	-	-	-	-	-	-	-	101
02562	SIGNS	SQ FT	1,076	-	-	-	-	-	-	-	-	-	-	-	1,076
02568	MOBILIZATION	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02569	DEMobilIZATION	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02585	EDGE KEY	LF	-	-	-	14.8	-	-	22.0	-	10.2	-	22.3	-	69.2
02596	FABRIC-GEOTEXTILE TYPE I	SQ YD	2,516	917	640	-	-	-	-	39	124	-	-	-	4,235
02599	FABRIC-GEOTEXTILE TYPE IV	④ ⑨ SQ YD	149,222	-	-	-	-	-	-	-	-	-	-	-	149,222
02650	MAINTAIN & CONTROL TRAFFIC	LP SUM	-	-	-	-	-	-	-	-	-	-	-	-	1
02651	DIVERSIONS (BY-PASS DETOURS)	⑧ LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2

EARTHWORK TOTALS	
EXCAVATION	
96,164	COMMON KY 61 RURAL
1,376	COMMON KY 61 CONNECTOR
4,696	COMMON FRONTAGE ROAD NO. 1
154	COMMON NORTH VIEW DRIVE
7,127	COMMON APPROACH ROAD NO. 2
3,280	COMMON BECNEL LANE
908	COMMON FRONTAGE ROAD NO. 2
233	COMMON HILL BROOK DRIVE
2,227	COMMON EXIST KY 61 RE-BUILD
13,885	SOLID ROCK KY 61 RURAL
154	SOLID ROCK EXIST KY 61 RE-BUILD
130,204	TOTAL EXCAVATION
EMBANKMENT	
125,147	EMB KY 61 RURAL
12,951	EMB KY 61 CONNECTOR
10,295	EMB FRONTAGE ROAD NO. 1
7	EMB NORTH VIEW DRIVE
361	EMB APPROACH ROAD NO. 2
1,099	EMB BECNEL LANE
18	EMB FRONTAGE ROAD NO. 2
17	EMB HILL BROOK DRIVE
5	EMB EXIST KY 61 RE-BUILD
43,216	ROCK ROADBED KY 61 RURAL
1,054	ROCK ROADBED EXIST KY 61 RE-BUILD
194,170	TOTAL EMBANKMENT

EARTHWORK ADJUSTMENTS FOR ALTERNATE PAVEMENT DESIGNS

CROSS SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR THE ASPHALT PAVEMENT ALTERNATE WITH A THICKNESS OF 14.5 INCHES. IF THE CONCRETE OR GEOGRID PAVEMENT ALTERNATE IS SELECTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EARTHWORK TOTALS USING THE CONCRETE OR GEOGRID TYPICAL SECTION AND THE PROFILE GRADE SHOWN ON THE PLANS.

FOR DRAINAGE QUANTITIES - SEE DRAINAGE SUMMARY SHEETS R2T-R2U	FOR PAVING QUANTITIES - SEE PAVING SUMMARY SHEETS R2N-R2O
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- ① COMBINING SECTION 1 (5-117.10) AND SECTION 2 (5-117.20) INTO ONE CONTRACT RESULTS IN A ROADWAY EXCAVATION PROJECT.
- ROADWAY EXCAVATION INCLUDES:
 116,166 COMMON
 14,039 SOLID ROCK
 957 FOUNDATION BENCHING
 1,723 SURFACE DITCH
 132,885
- ② REMOVE HILL BROOK DRIVE BETWEEN EXIST. AND PROPOSED KY 61 (507.7 SQYD) AND EXISTING KY 61 FROM RT. STA. 5+200 TO 5+280 (328.4 SQYD).
- ③ QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R64-R71).
- ④ GRANULAR EMBANKMENT WITH GEOTEXTILE FABRIC TYPE IV FOR 12 INCH GRANULAR SUBGRADE.
- ⑤ FOR CONTROLLING DUST CAUSED BY MAINTENANCE OF TRAFFIC ONLY. ESTIMATED AT THE RATE OF 2.125 M GAL PER MILE. (2.066 MILES TOTAL).
- ⑥ APPROXIMATELY 56.745 ACRES.
- ⑦ FOR RETAINING WALL (MAINLINE STA. 4+390 LT. TO STA. 4+455 LT.).
- ⑧ DIVERSION TO BUILD KY 61 CONNECTOR. LUMP SUM FOR DIVERSIONS INCLUDE:
 BECNEL LANE DIVERSION STA. 0+152.299 @ MAINLINE STA. 5+834.523
 HILLBROOK DRIVE DIVERSION STA. 5+000.000 @ MAINLINE STA. 6+170.000
- ⑨ 112,254 SQ. YD. CARRIED OVER FROM PAVING SUMMARY SHEET R2M.
- ⑩ QUANTITY IS FOR PROTECTION OF GLADE CRESS SITE 1.

ENGLISH

GENERAL SUMMARY SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R2J

ITEM CODE	ITEM	UNIT	KY 61 RURAL	KY 61 CONNECTOR	FRONTAGE ROAD NO. 1	NORTH VIEW DRIVE	APPROACH ROAD NO. 1	APPROACH ROAD @ STA. 5+165.205	APPROACH ROAD NO. 2	FRONTAGE ROAD NO. 2	BECNEL DRIVE	HILL BROOK DRIVE	EXIST. KY 61 RE-BUILD	MOT	PROJECT TOTALS
02690	SAFELoading	CU YD	3	-	-	-	-	-	-	-	-	-	-	-	3
02696	SHoULDER RUMBLE STRIPS - SAWEd	LF	26,507	-	-	-	-	-	-	-	-	-	-	-	26,507
02701	TEMPORARY SILT FENCE	LF	6,360	-	-	-	-	-	-	-	-	-	-	-	6,360
02703	SILT TRAP TYPE A	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02704	SILT TRAP TYPE B	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02705	SILT TRAP TYPE C	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02706	CLEAN SILT TRAP TYPE A	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02707	CLEAN SILT TRAP TYPE B	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02708	CLEAN SILT TRAP TYPE C	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02726	STAKING	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02775	ARROW PANEL	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
03171	CONCRETE BARRIER WALL TYPE 9T	LF	361	-	-	-	-	-	-	-	-	-	-	-	361
03225	TUBULAR MARKERS	EACH	110	-	-	-	-	-	-	-	-	-	-	-	110
05950	EROSION CONTROL BLANKET	SQ YD	1,213	-	954	-	-	-	-	-	204	124	-	-	2,495
05952	TEMPORARY MULCH	SQ YD	187,898	-	-	-	-	-	-	-	-	-	-	-	187,898
05953	TEMP. SEEDING AND PROTECTION	SQ YD	140,903	-	-	-	-	-	-	-	-	-	-	-	140,903
05963	INITIAL FERTILIZER	TON	87	-	-	-	-	-	-	-	-	-	-	-	87
05964	20-10-10 FERTILIZER	TON	15	-	-	-	-	-	-	-	-	-	-	-	15
05985	SEEDING AND PROTECTION	SQ YD	260,283	-	-	-	-	-	-	-	-	-	-	-	260,283
05989	SPECIAL SEEDING CROWN VETCH	SQ YD	8,344	768	1,423	81	-	1,525	255	383	-	-	-	-	12,779
05992	AGRICULTURAL LIMESTONE	TON	175	-	-	-	-	-	-	-	-	-	-	-	175
06510	PAVE STRIPING-TEMP PAINT-4 IN	LF	35,823	6,772	-	-	-	-	-	1,411	262	-	-	-	44,268
06514	PAVE STRIPING-PERM PAINT - 4 IN (W&Y)	LF	41,007	4,045	8,219	354	646	361	2,890	922	2,182	361	1,936	-	62,923
06550	PAVE STRIPING-TEMP REM TAPE-W	LF	10,804	-	-	-	-	-	-	-	-	-	-	-	10,804
06551	PAVE STRIPING-TEMP REM TAPE-Y	LF	10,804	-	-	-	-	-	-	-	-	-	-	-	10,804
06569	PAVE MARKING-THERMO CROSS-HATCH	SQ FT	4,359	-	-	-	-	-	-	-	-	-	-	-	4,359
06574	PAVE MARKING-THERM CURV ARROW	EACH	3	-	-	-	-	1	-	-	-	-	-	-	4
06576	PAVE MARKING-THERMO ONLY	EACH	-	-	-	-	-	1	-	-	-	-	-	-	1
06578	PAVE MARKING-THERMO MERGE ARROW	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
06588	PAVE MARKER TY IVA-BY TEMP	EACH	550	-	-	-	-	-	-	-	-	-	-	-	550
08001	STRUCTURE EXCAVATION-COMMON	CU YD	513	-	-	-	-	-	-	-	-	-	-	-	513
08002	STRUCTURE EXCAV-SOLID ROCK	CU YD	53	-	-	-	-	-	-	-	-	-	-	-	53
08903	CRASH CUSHION TYPE VI CLASS BT TL3	EACH	1	-	-	-	-	-	-	-	-	-	-	-	1
20000ES724	TREE	EACH	28	-	-	-	-	-	-	-	-	-	-	-	28
20259ED	TEMPORARY MEDIAN CROSSOVER	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
21342ED	FORM LINER (COBBLESTONE)	SQ FT	1,169	-	-	-	-	-	-	-	-	-	-	-	1,169
23139EN	STRIPING REMOVAL	LF	46,627.3	6,771.7	-	-	-	-	-	-	1,410.8	262.5	-	-	55,072
23274EN11F	TURF REINFORCEMENT MAT - TYPE 1	SQ YD	18,328	396	868	133	-	-	819	131	158	-	147	-	20,981
24096EC	REMOVE AND RESET END TREATMENT	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
24814EC	PIPELINE INSPECTION	LF	1,404.2	108.3	502.0	55.8	154.2	-	157.5	131.2	114.8	45.9	-	-	2,674
10203ND	PAVEMENT ADJUSTMENT (ASPHALT)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
10203ND	PAVEMENT ADJUSTMENT (CONCRETE)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (LG&E-ELECTRIC)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (LG&E-GAS)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (TIME WARNER CABLE)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (WINDSTREAM)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1

- ③ QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R64-R71).
- ⑦ FOR RETAINING WALL (MAINLINE STA. 4+390 LT. TO STA. 4+455 LT.)
- ⑩ BASED ON A RATE OF 2 CLEANINGS PER CONSTR. SEASON, 1 SEASON TOTAL.
- ⑫ AFTER CONSTRUCTION IS COMPLETE THE BARRIER WALL WILL BE HAULED AND STORED IN THE BULLITT COUNTY MAINTENANCE FACILITY.
- ⑬ QUANTITIES BROUGHT OVER FROM STRIPING SUMMARY SHEET R56.
- ⑭ SEE PROPOSAL FOR SPECIAL ALTERNATE PAVEMENT BID.
- ⑮ QUANTITY INCLUDES 100 LF FOR PROTECTION OF GLADE CRESS SITE 1.

KY 61 (PRESTON HIGHWAY)
GENERAL SUMMARY SHEET
SHEET 2 OF 2

FILE NAME: U:\93370F\SEC2\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL 9-4-15\CONTRACT PLAN SET\ROADWAY\RO020JUSL.DGN
 USER: jgthum
 DATE PLOTTED: October 16, 2015
 E-SHEET NAME: RO020JUS
 MicroStation v8.11.7.443

ENGLISH

GENERAL SUMMARY SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R2J

REVISED 10-16-2015

ITEM CODE	ITEM	UNIT	KY 61 RURAL	KY 61 CONNECTOR	FRONTAGE ROAD NO. 1	NORTH VIEW DRIVE	APPROACH ROAD NO. 1	APPROACH ROAD @ STA. 5+165.205	APPROACH ROAD NO. 2	FRONTAGE ROAD NO. 2	BECNEL DRIVE	HILL BROOK DRIVE	EXIST. KY 61 RE-BUILD	MOT	PROJECT TOTALS
02690	SAFELADING	CU YD	3	-	-	-	-	-	-	-	-	-	-	-	3
02696	SHOULDER RUMBLE STRIPS - SAWED	LF	26,507	-	-	-	-	-	-	-	-	-	-	-	26,507
02701	TEMPORARY SILT FENCE	LF	6,360	-	-	-	-	-	-	-	-	-	-	-	6,360
02703	SILT TRAP TYPE A	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02704	SILT TRAP TYPE B	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02705	SILT TRAP TYPE C	EACH	47	-	-	-	-	-	-	-	-	-	-	-	47
02706	CLEAN SILT TRAP TYPE A	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02707	CLEAN SILT TRAP TYPE B	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02708	CLEAN SILT TRAP TYPE C	EACH	94	-	-	-	-	-	-	-	-	-	-	-	94
02726	STAKING	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
02775	ARROW PANEL	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
03171	CONCRETE BARRIER WALL TYPE 9T	LF	361	-	-	-	-	-	-	-	-	-	-	-	361
03225	TUBULAR MARKERS	EACH	110	-	-	-	-	-	-	-	-	-	-	-	110
05950	EROSION CONTROL BLANKET	SQ YD	1,213	-	954	-	-	-	-	-	204	124	-	-	2,495
05952	TEMPORARY MULCH	SQ YD	187,898	-	-	-	-	-	-	-	-	-	-	-	187,898
05953	TEMP. SEEDING AND PROTECTION	SQ YD	140,903	-	-	-	-	-	-	-	-	-	-	-	140,903
05963	INITIAL FERTILIZER	TON	87	-	-	-	-	-	-	-	-	-	-	-	87
05964	20-10-10 FERTILIZER	TON	15	-	-	-	-	-	-	-	-	-	-	-	15
05985	SEEDING AND PROTECTION	SQ YD	260,283	-	-	-	-	-	-	-	-	-	-	-	260,283
05989	SPECIAL SEEDING CROWN VETCH	SQ YD	8,344	768	1,423	81	-	-	1,525	255	383	-	-	-	12,779
05992	AGRICULTURAL LIMESTONE	TON	175	-	-	-	-	-	-	-	-	-	-	-	175
06510	PAVE STRIPING-TEMP PAINT-4 IN	LF	35,823	6,772	-	-	-	-	-	-	1,411	262	-	-	44,268
06514	PAVE STRIPING-PERM PAINT - 4 IN (W&Y)	LF	41,007	4,045	8,219	354	646	361	2,890	922	2,182	361	1,936	-	62,923
06550	PAVE STRIPING-TEMP REM TAPE-W	LF	10,804	-	-	-	-	-	-	-	-	-	-	-	10,804
06551	PAVE STRIPING-TEMP REM TAPE-Y	LF	10,804	-	-	-	-	-	-	-	-	-	-	-	10,804
06569	PAVE MARKING-THERMO CROSS-HATCH	SQ FT	4,359	-	-	-	-	-	-	-	-	-	-	-	4,359
06574	PAVE MARKING-THERM CURV ARROW	EACH	3	-	-	-	-	1	-	-	-	-	-	-	4
06576	PAVE MARKING-THERMO ONLY	EACH	-	-	-	-	-	1	-	-	-	-	-	-	1
06578	PAVE MARKING-THERMO MERGE ARROW	EACH	4	-	-	-	-	-	-	-	-	-	-	-	4
06588	PAVE MARKER TY IVA-BY TEMP	EACH	550	-	-	-	-	-	-	-	-	-	-	-	550
08001	STRUCTURE EXCAVATION-COMMON	CU YD	513	-	-	-	-	-	-	-	-	-	-	-	513
08002	STRUCTURE EXCAV-SOLID ROCK	CU YD	53	-	-	-	-	-	-	-	-	-	-	-	53
08903	CRASH CUSHION TYPE VI CLASS BT TL3	EACH	1	-	-	-	-	-	-	-	-	-	-	-	1
20000ES724	TREE	EACH	28	-	-	-	-	-	-	-	-	-	-	-	28
20259ED	TEMPORARY MEDIAN CROSSOVER	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
21342ED	FORM LINER (COBBLESTONE)	SQ FT	1,169	-	-	-	-	-	-	-	-	-	-	-	1,169
23139EN	STRIPING REMOVAL	LF	46,627.3	6,771.7	-	-	-	-	-	-	1,410.8	262.5	-	-	55,072
23274EN11F	TURF REINFORCEMENT MAT - TYPE 1	SQ YD	18,328	396	868	133	-	-	819	131	158	-	147	-	20,981
24096EC	REMOVE AND RESET END TREATMENT	EACH	2	-	-	-	-	-	-	-	-	-	-	-	2
24814EC	PIPELINE INSPECTION	LF	1,404.2	108.3	502.0	55.8	154.2	-	157.5	131.2	114.8	45.9	-	-	2,674
10203ND	PAVEMENT ADJUSTMENT (ASPHALT)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
10203ND	PAVEMENT ADJUSTMENT (CONCRETE)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (LG&E-ELECTRIC)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (LG&E-GAS)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (TIME WARNER CABLE)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1
24725EC	UTILITY RELOCATION (WINDSTREAM)	LP SUM	1	-	-	-	-	-	-	-	-	-	-	-	1

- ③ QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R64-R71).
- ⑦ FOR RETAINING WALL (MAINLINE STA. 4+390 LT. TO STA. 4+455 LT.)
- ⑩ BASED ON A RATE OF 2 CLEANINGS PER CONSTR. SEASON, 1 SEASON TOTAL.
- ⑫ AFTER CONSTRUCTION IS COMPLETE THE BARRIER WALL WILL BE HAULED AND STORED IN THE BULLITT COUNTY MAINTENANCE FACILITY.
- ⑬ QUANTITIES BROUGHT OVER FROM STRIPING SUMMARY SHEET R56.
- ⑭ SEE PROPOSAL FOR SPECIAL ALTERNATE PAVEMENT BID.
- ⑮ QUANTITY INCLUDES 100 LF FOR PROTECTION OF GLADE CRESS SITE 1.

KY 61 (PRESTON HIGHWAY)
GENERAL SUMMARY SHEET
SHEET 2 OF 2

FILE NAME: U:\93370F\SEC2\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL 9-4-15\CONTRACT PLAN SET\ROADWAY\RO020JUSL.DGN
 USER: lgh11num
 DATE PLOTTED: October 16, 2015
 E-SHEET NAME: RO020JUSL
 MicroStation v8.11.7.443

ENGLISH

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R2V

GENERAL NOTES

COOPERATION BY CONTRACTOR

MAINTAIN COPIES OF THE PLANS AND SPECIFICATIONS AT THE SITE OF THE WORK AT ALL TIMES AND FURNISH COPIES TO EACH FOREMAN. REQUIRE EACH FOREMAN TO HAVE WITH HIM ON THE SITE, AT ALL TIMES, A COPY OF THAT PART OF THE PLANS AND SPECIFICATIONS APPLYING TO THE WORK HE IS DIRECTING. BE PRESENT OR HAVE A REPRESENTATIVE PRESENT ON THE PROJECT AT ALL TIMES, WHEN CONSTRUCTION IS IN PROGRESS, TO RECEIVE AND CARRY OUT SUCH INSTRUCTIONS AS THE ENGINEER MAY GIVE. PROVIDE REASONABLE FACILITIES TO ENABLE THE ENGINEER TO INSPECT THE WORKMANSHIP AND MATERIALS ENTERING INTO THE WORK, AND COOPERATE IN SETTING AND PRESERVING SURVEY STAKES, BENCH MARKS, ETC., AND IN ALL OTHER THINGS NECESSARY TO SATISFACTORILY COMPLETE THE WORK AS CONTEMPLATED.

WHEN THE DEPARTMENT LETS SEPARATE CONTRACTS WITHIN THE LIMITS OF ANY ONE PROJECT OR FOR ADJACENT PROJECTS, CONDUCT THE WORK SO AS NOT TO INTERFERE WITH OR HINDER THE PROGRESS OR COMPLETION OF THE WORK BEING PERFORMED BY OTHER CONTRACTORS. COOPERATE WITH CONTRACTORS WORKING ON THE SAME PROJECT OR ADJACENT PROJECTS. IN CASE OF A DISPUTE WITH OTHER CONTRACTORS, THE ENGINEER WILL ARBITRATE AND WILL MAKE A FINAL AND BINDING DECISION. PROGRESS WORK ACCORDING TO SPECIFICATION 108.04.

THE CONTRACTOR SHALL ASSUME ALL LIABILITY, FINANCIAL OR OTHERWISE, IN CONNECTION WITH THE CONTRACT AND SHALL PROTECT AND SAVE HARMLESS THE DEPARTMENT FROM ANY AND ALL DAMAGES OR CLAIMS THAT MAY ARISE BECAUSE OF INCONVENIENCE, DELAY, OR LOSS EXPERIENCED BY HIM BECAUSE OF THE PRESENCE AND THE OPERATIONS OF OTHER CONTRACTORS WORKING WITHIN THE LIMITS OF THE SAME PROJECT. THE CONTRACTOR SHALL ASSUME ALL RESPONSIBILITY FOR ALL WORK NOT COMPLETED OR ACCEPTED ON THE CONTRACT BECAUSE OF THE PRESENCE AND OPERATIONS OF THE OTHER CONTRACTORS.

AS FAR AS POSSIBLE, ARRANGE THE WORK AND PLACE AND DISPOSE OF THE MATERIALS BEING USED SO AS NOT TO INTERFERE WITH THE OPERATIONS OF THE OTHER CONTRACTORS WITHIN THE LIMITS OF THE SAME PROJECT OR ON ADJACENT PROJECTS. JOIN THE WORK WITH THAT OF THE OTHER CONTRACTORS IN AN ACCEPTABLE MANNER, AND PERFORM IT IN PROPER SEQUENCE WITH THE WORK OF THE OTHER CONTRACTORS.

INFORMAL PARTNERING IS ENCOURAGED BETWEEN THE DEPARTMENT AND CONTRACTOR. THE PARTNERING PROCESS IS INTENDED TO ENCOURAGE THE FOUNDATION OF A COHESIVE PARTNERSHIP BETWEEN THE DEPARTMENT AND THE CONTRACTOR. THIS PARTNERSHIP WILL BE STRUCTURED TO DRAW ON THE STRENGTHS OF EACH ORGANIZATION TO IDENTIFY AND ACHIEVE RECIPROCAL GOALS WITHIN THE BOUNDS OF THE CONTRACT. COMMON OBJECTIVES WILL BE STRUCTURED TO MEET EACH PROJECT'S NEEDS, BUT WILL INCLUDE SUCH BASIC CRITERIA AS EFFECTIVE AND EFFICIENT CONTRACT PERFORMANCE, SAFETY, AND CONTRACT COMPLETION ON SCHEDULE AND WITHIN BUDGET.

THE CONTRACTOR AND THE DEPARTMENT SHOULD BOTH BE AWARE THAT THE PARTNERING PROCESS INCLUDES MORE THAN THEIR RELATIONSHIP. THE "TEAM" SHOULD ALSO INCLUDE UTILITY COMPANIES, LOCAL OFFICIALS, EMERGENCY PERSONNEL SUCH AS FIRE AND POLICE, AND ANYONE ELSE FOR WHICH THE PROJECT EFFECTS OR WHO COULD AFFECT THE PROGRESS OF THE PROJECT.

THE PARTNERING PROCESS IN NO WAYS ALTERS THE CONTRACT ITSELF. ALSO, THE ESTABLISHMENT OF A PARTNERING PROCESS OR CHARTER FOR A PROJECT WILL NOT CHANGE THE LEGAL RELATIONSHIP OF THE PARTIES TO THE CONTRACT NOR RELIEVE EITHER PARTY FROM ANY OF THE TERMS OF THE CONTRACT.

SCHEDULING ON-SITE PROJECT MEETINGS AT A REGULAR OR 'AS-NEEDED' BASIS IS ENCOURAGED TO DISCUSS AND RESOLVE ISSUES REGARDING THE PROJECT THROUGHOUT THE DURATION OF THE CONTRACT. CONTRACTOR, SUBCONTRACTOR, AND DEPARTMENT PERSONNEL SHOULD ATTEND THESE MEETINGS, AND IF NEED BE, ANY APPROPRIATE PERSONS NEEDED TO DISCUSS SPECIFIC ISSUES. RECORD THE MINUTES OF EACH MEETING AND DISTRIBUTE TO ALL PARTNERS. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR AND THE DEPARTMENT TO ACT EQUALLY IN HOSTING THESE MEETINGS.

INFORMAL PARTNERING WILL NOT BE MEASURED FOR PAYMENT AND THE DEPARTMENT WILL CONSIDER ALL COSTS ASSOCIATED WITH THE INFORMAL PARTNERSHIP INCIDENTAL TO THE PROJECT.

FILE NAME: U:\93370F\SEC2\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL 9-4-15\CONTRACT PLAN SET\ROADWAY\RO020VGN.DGN

USER: clocor@ll DATE PLOTTED: September 3, 2015

E-SHEET NAME: RO020VGN

MicroStation v8.11.7.443

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.20	R2V

REVISED 10-16-2015

GENERAL NOTES

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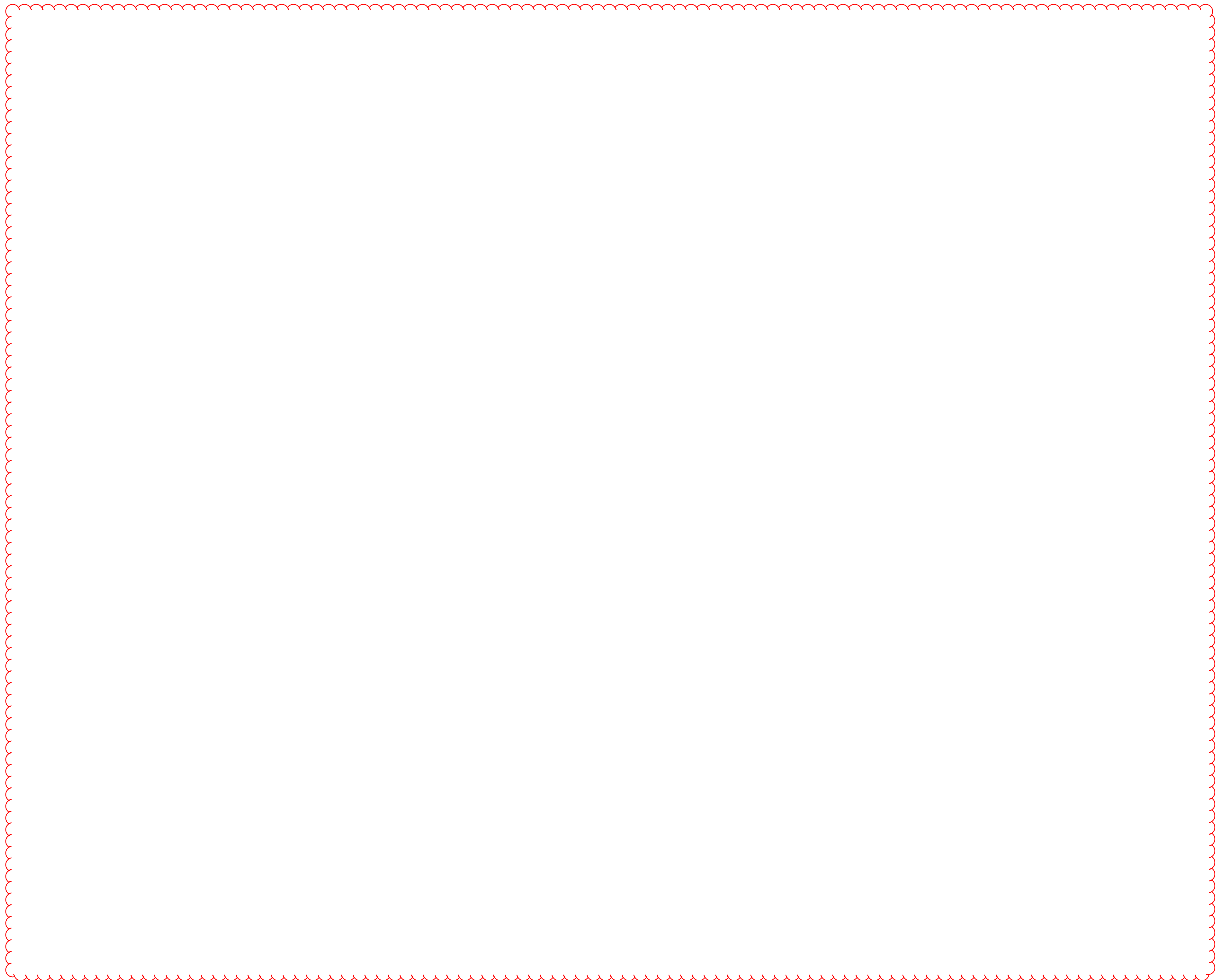
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USER: clocor@ll DATE PLOTTED: September 3, 2015

E-SHEET NAME: RO020VGN

MicroStation v8.11.7.443

TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

BULLITT COUNTY

KY 61 OVER

I-65

Station 165+03.73

ESTIMATE OF QUANTITIES

ITEM NUMBER	8100	8104	8150	8151	8003	2231	8635	8046	8033	3299	2998	8094	8269	8018	8002	2731	21532ED		8269	
BID ITEM	CONC. CLASS "A"	CONC. CLASS "AA"	STEEL REINF.	STL. REINF. EPOXY COATED	FOUNDATION PREPARATION	STRUCTURE GRANULAR BACKFILL	PPC I-BEAM TYPE VI	STEEL PILES (HP12x53)	TEST PILES (HP12x53)	ARMORED EDGE	MASONRY COATING	PILE POINTS 12"	ELECTRICAL CONDUIT 3"	RETAINING WALL	STRUCTURAL EXCAVATION SOLID ROCK	REMOVE EXISTING RETAINING WALL	TYPE 3 RAILING	TEMP CONDUIT	ELECTRICAL CONDUIT 4"	
UNIT	CU. YD.	CU. YD.	lbs.	lbs.	L.S.	CU. YD.	FT.	FT.	FT.	FT.	SQ. FT.	EACH	L.S.	SQ. FT.	CU. YD.	L.S.	FT.	L.S.	L.S.	
SUBSTRUCTURE	SEMI-INTEGRAL END BENT 1	30.1	8.0	3,468	754	86		351.0	29.5		60	15			75					
	PIER	72.5		18,750		1					127									
	SEMI-INTEGRAL END BENT 2	30.1	8.0	3,468	754	86		328.1	29.5		60	15								
SUPERSTRUCTURE		425.2		98,749			1,262.5			102.7	996		④				511.5	1	⑤	
MSE WALLS						742							4,112			1				
BRIDGE TOTALS	132.7	441.2	25,686	100,257	1	914	1,262.5	679.1	59.0	102.7	1,243	30	④	4,112	75	1	511.5	1	⑤	

- ④ Approximate length of 3" Electrical conduit is 256 feet.
⑤ Approximate length of 4" Electrical conduit is 256 feet.

Note: Bridge plans are detailed using English dimensions. Roadway plans are metric and will be constructed using metric dimensions.

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S7	Pier
S8	Semi-Integral End Bent 2
S9	Framing Plan
S10	PCIB Type VI Details
S11	Superstructure
S12	Superstructure Details
S13	Superstructure Bar Bill
S14	Intermediate Diaphragm Details
S15	Screed Plan
S16	Construction Elevations
S17	MSE Wall at End Bent 1
S18	MSE Wall at End Bent 2
S19	MSE Wall Geotechnical Notes
S20	Type 3 Rail System

SPECIAL NOTES

Retaining Walls

SPECIAL PROVISIONS

STANDARD DRAWINGS

BBP-001-12	Elastomeric Bearing Pads for Prestressed Beams
BBP-002-04	Bearing Details
BGX-006-09	Stencils for Structures
BGX-012-02	Geotechnical Legend
BJE-001-12	Neoprene Expansion Dams and Armored Edges
BPS-003-09	HP 12 x 53 Steel Pile

SPECIFICATIONS

2012 Standard Specifications for Road and Bridge Construction
2002 AASHTO Standard Specifications for Highway Bridges

REVISION	DATE
1 Nov. 2002	CHECKED BY
DESIGNED BY: S.P.M.	R.J.W.
DETAILED BY: C.L.C.	S.P.M.

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
BULLITT

ROUTE
KY 61 CROSSING
I-65

TITLE SHEET

ITEM NUMBER

5-117.00

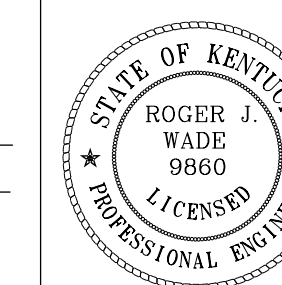
PREPARED BY
Qk4

1046 E. Chestnut St.
Louisville, Kentucky 40204

SHEET NO.
S1

DRAWING NO.
24691

BY: *Roger J. Wade*
DATE: June 16, 2014



TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

BULLITT COUNTY

KY 61 OVER

I-65

Station 165+03.73

ESTIMATE OF QUANTITIES

ITEM NUMBER	8100	8104	8150	8151	8003	2231	8635	8046	8033	3299	2998	8094	8269	8018	8002	2731	21532ED		8269	
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UNIT	CU. YD.	CU. YD.	lbs.	lbs.	L.S.	CU. YD.	FT.	FT.	FT.	FT.	SQ. FT.	EACH	L.S.	SQ. FT.	CU. YD.	L.S.	FT.	L.S.	L.S.	
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REVISION	DATE
DESIGNED BY: S.P.M.	CHECKED BY: R.J.W.
DATE: 1 Nov. 2002	
DETAILED BY: C.L.C.	S.P.M.

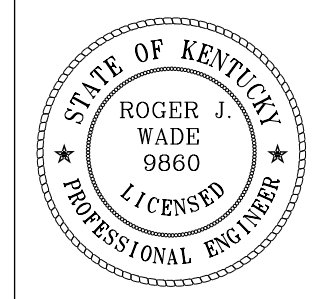
Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

COUNTY
BULLITT

ROUTE **KY 61** CROSSING **I-65**

TITLE SHEET

BY: *Roger J. Wade*
DATE: June 16, 2014



ITEM NUMBER
5-117.00

PREPARED BY
Qk4
1046 E. Chestnut St.
Louisville, Kentucky 40204

SHEET NO.
S1

DRAWING NO.
24691

GENERAL NOTES

SPECIFICATIONS

ALL REFERENCES TO THE STANDARD SPECIFICATIONS ARE TO THE 2012 EDITION OF THE KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WITH CURRENT SUPPLEMENTAL SPECIFICATIONS.

ALL REFERENCES TO THE AASHTO SPECIFICATIONS ARE TO THE 2002 EDITION OF THE AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES.

DESIGN LOAD

THIS BRIDGE IS DESIGNED FOR HS25 LIVE LOAD OR ALTERNATE MILITARY LOADING, WHICHEVER PRODUCES THE GREATER STRESS. THE HS25 LIVE LOAD IS ARRIVED AT BY INCREASING THE STANDARD HS20-44 TRUCK AND LANE LOADS AS SPECIFIED IN THE AASHTO SPECIFICATIONS BY 25%.

THIS BRIDGE IS DESIGNED FOR A WIND LOAD BASED ON A WIND VELOCITY OF 100 MPH.

DESIGN METHOD

ALL REINFORCED CONCRETE MEMBERS ARE DESIGNED BY THE LOAD FACTOR METHOD AS SPECIFIED IN THE CURRENT AASHTO SPECIFICATIONS.

MATERIALS DESIGN SPECIFICATIONS

FOR CLASS "A" REINFORCED CONCRETE:	F'c = 3500 PSI
FOR CLASS "AA" REINFORCED CONCRETE:	F'c = 4000 PSI
FOR PRESTRESSED CONCRETE GIRDERS:	AS SHOWN ON PCIB DETAIL SHEET

CONCRETE

CLASS "AA" CONCRETE IS TO BE USED THROUGHOUT THE SLAB, BARRIERS, END BENT WINGWALLS AND DIAPHRAGMS. ALL OTHER CONCRETE, EXCEPT FOR THAT IN THE PRESTRESSED GIRDERS SHALL BE CLASS "A". PRESTRESSED GIRDER CONCRETE SHALL BE IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS.

MATERIAL SPECIFICATIONS

ASTM OR AASHTO SPECIFICATIONS AS DESIGNATED BELOW SHALL GOVERN THE FOLLOWING MATERIALS FURNISHED:

STRUCTURAL STEEL	ASTM A36/AASHTO M 183
BOLTS	ASTM A325
STEEL REINFORCEMENT	ASTM A615 GRADE 60

REINFORCEMENT

DIMENSIONS SHOWN FROM THE FACE OF CONCRETE TO BARS ARE CLEAR DISTANCES UNLESS OTHERWISE SHOWN. SPACING OF BARS IS FROM CENTER TO CENTER OF BARS.

ANY REINFORCING BARS DESIGNATED BY THE SUFFIX (s) IN A "BILL OF REINFORCEMENT" SHALL BE CONSIDERED A STIRRUP FOR PURPOSES OF BAR BEND DIAMETERS.

ALL REINFORCING BARS DESIGNATED BY SUFFIX (E) IN THE PLANS SHALL BE EPOXY COATED IN ACCORDANCE WITH SECTION 811.10 OF THE STANDARD SPECIFICATIONS.

MASONRY COATING

APPLY MASONRY COATING FINISH TO VARIOUS PARTS OF STRUCTURE IN ACCORDANCE WITH SUBSECTION 601.03.18 OF THE STANDARD SPECIFICATIONS

PILING

PILES SHALL BE DRIVEN TO REFUSAL OR TO SOLID ROCK.

TEST PILES SHALL BE DRIVEN WHERE DESIGNATED ON THE PLANS TO DETERMINE THE LENGTH OF PILE REQUIRED.

ALL TEST PILES SHALL BE ACCURATELY LOCATED SO THAT THEY MAY BE USED IN THE FINISHED STRUCTURE.

THE PILING THROUGH THE MSE WALL MUST BE SLEEVED, OR THE MSE WALL MUST BE CONSTRUCTED AROUND THE PILING.

PILE POINTS

PILE POINTS ARE REQUIRED FOR ALL THE PILES TO BE DRIVEN FOR THIS BRIDGE. THE POINTS SHALL BE THE TYPE FOR KEYING INTO ROCK SURFACE. PILE POINTS SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.

BEVELED EDGES

ALL EXPOSED EDGES SHALL BE BEVELED 7/8" UNLESS OTHERWISE SHOWN.

DIMENSIONS

DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SHOWN. DIMENSIONS ARE FOR A NORMAL TEMPERATURE OF 60° F. LAYOUT DIMENSIONS ARE HORIZONTAL MEASUREMENTS. STATIONING IS SHOWN IN FEET AND ELEVATIONS ARE IN FEET.

PAYMENT FOR STRUCTURAL STEEL

THE LUMP SUM BID FOR STRUCTURAL STEEL SHALL BE FULL PAYMENT FOR ALL STRUCTURAL STEEL, WELDING AND WELDING MATERIALS, PAINT, AND ALL LABOR AND MATERIALS NECESSARY TO ERECT THE STEEL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE APPROXIMATE WEIGHT OF STRUCTURAL STEEL SHOWN IN THE ESTIMATE OF QUANTITIES DOES NOT INCLUDE OVERRUN OR WELD MATERIAL.

POURING SEQUENCE

THE POURING SEQUENCE OF THE SLAB MAY NOT BE CHANGED WITHOUT WRITTEN APPROVAL OF THE DESIGNER.

TEMPORARY SUPPORTS

TEMPORARY SUPPORTS OR SHORING WILL NOT BE PERMITTED UNDER THE GIRDERS WHEN POURING THE CONCRETE FLOOR SLAB OR WHEN TAKING "TOP OF BEAM" ELEVATIONS.

PAYMENT FOR PRECAST CONCRETE BEAMS

THE BASIS FOR PAYMENT FOR THE PRESTRESSED CONCRETE BEAMS SHALL BE AT THE CONTRACT UNIT PRICE PER LINEAR METER OF BEAM, IN ACCORDANCE WITH THE SPECIFICATIONS.

SHOP DRAWINGS

CONTRARY TO THE SPECIFICATIONS, SHOP DRAWINGS REQUIRING REVIEW WITH NO DESIGN CHANGES SHALL BE SUBMITTED DIRECTLY FROM THE FABRICATOR TO THE DIVISION OF BRIDGE DESIGN.

SPIRAL COLUMN TIES

SPLICES FOR SPIRAL WHERE DESIRED BY THE CONTRACTOR SHALL BE MADE WITH A MINIMUM OF ONE AND ONE HALF TURNS OF THE SPIRAL. NO ADDITIONAL PAYMENT WILL BE MADE FOR THESE SPLICES, AND THE COST WILL BE CONSIDERED INCIDENTAL TO THE COST OF THE DEVELOPED LENGTH OF SPIRAL SHOWN ON THE PLANS. WEIGHT OF SPACERS IS NOT INCLUDED IN THE ESTIMATE OF QUANTITIES.

ELECTRICAL CONDUIT

THE LUMP SUM BID FOR THIS ITEM SHALL INCLUDE CONDUIT AND OTHER MATERIALS AND LABOR NECESSARY FOR PLACING THESE MATERIALS IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE BARRIER ON THE NORTH SIDE SHALL BE 4" CONDUIT, WHILE THE SOUTH BARRIER SHALL BE 3" CONDUIT.

TEMPORARY CONDUIT

THE LUMP SUM BID FOR THIS ITEM SHALL INCLUDE ALL MATERIALS AND LABOR TO TEMPORARILY RELOCATE THE EXISTING OVERHEAD WINDSTREAM LINE ONTO THE EXISTING KY61 OVER I-65 BRIDGE. THE LINE SHALL BE PLACED IN STEEL CONDUIT THAT WILL BE PLACED ON THE SHOULDER AND WILL BE SECURED BY A CABLE/HOSE PROTECTION SYSTEM. THE CABLE/HOSE PROTECTION SYSTEM SHALL BE APPROVED BY THE RESIDENT ENGINEER. DRILLING INTO THE EXISTING BRIDGE IS PROHIBITED.

REVISION		DATE
DATE: <i>1 Nov. 2002</i>	CHECKED BY	
DESIGNED BY: <i>S.P.M.</i>	<i>R.J.W.</i>	
DETAILED BY: <i>C.L.C.</i>	<i>S.P.M.</i>	
Commonwealth of Kentucky		
DEPARTMENT OF HIGHWAYS		
COUNTY		
BULLITT		
ROUTE KY 61	CROSSING I-65	
GENERAL NOTES		
PREPARED BY Qk4		SHEET NO. S2
1046 E. Chestnut St. Louisville, Kentucky 40204		DRAWING NO. 24691

ITEM NUMBER 5-117.00

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REINFORCEMENT

DIMENSIONS SHOWN FROM THE FACE OF CONCRETE TO BARS ARE CLEAR DISTANCES UNLESS OTHERWISE SHOWN. SPACING OF BARS IS FROM CENTER TO CENTER OF BARS.

ANY REINFORCING BARS DESIGNATED BY THE SUFFIX (s) IN A "BILL OF REINFORCEMENT" SHALL BE CONSIDERED A STIRRUP FOR PURPOSES OF BAR BEND DIAMETERS.

ALL REINFORCING BARS DESIGNATED BY SUFFIX (E) IN THE PLANS SHALL BE EPOXY COATED IN ACCORDANCE WITH SECTION 811.10 OF THE STANDARD SPECIFICATIONS.

MASONRY COATING

APPLY MASONRY COATING FINISH TO VARIOUS PARTS OF STRUCTURE IN ACCORDANCE WITH SUBSECTION 601.03.18 OF THE STANDARD SPECIFICATIONS

PILING

PILES SHALL BE DRIVEN TO REFUSAL OR TO SOLID ROCK.

TEST PILES SHALL BE DRIVEN WHERE DESIGNATED ON THE PLANS TO DETERMINE THE LENGTH OF PILE REQUIRED.

ALL TEST PILES SHALL BE ACCURATELY LOCATED SO THAT THEY MAY BE USED IN THE FINISHED STRUCTURE.

THE PILING THROUGH THE MSE WALL MUST BE SLEEVED, OR THE MSE WALL MUST BE CONSTRUCTED AROUND THE PILING.

PILE POINTS

PILE POINTS ARE REQUIRED FOR ALL THE PILES TO BE DRIVEN FOR THIS BRIDGE. THE POINTS SHALL BE THE TYPE FOR KEYING INTO ROCK SURFACE. PILE POINTS SHALL BE IN ACCORDANCE WITH SECTION 604 OF THE STANDARD SPECIFICATIONS.

BEVELED EDGES

ALL EXPOSED EDGES SHALL BE BEVELED 7/8" UNLESS OTHERWISE SHOWN.

DIMENSIONS

DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE SHOWN. DIMENSIONS ARE FOR A NORMAL TEMPERATURE OF 60° F. LAYOUT DIMENSIONS ARE HORIZONTAL MEASUREMENTS. STATIONING IS SHOWN IN FEET AND ELEVATIONS ARE IN FEET.

PAYMENT FOR STRUCTURAL STEEL

THE LUMP SUM BID FOR STRUCTURAL STEEL SHALL BE FULL PAYMENT FOR ALL STRUCTURAL STEEL, WELDING AND WELDING MATERIALS, PAINT, AND ALL LABOR AND MATERIALS NECESSARY TO ERECT THE STEEL IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE APPROXIMATE WEIGHT OF STRUCTURAL STEEL SHOWN IN THE ESTIMATE OF QUANTITIES DOES NOT INCLUDE OVERRUN OR WELD MATERIAL.

POURING SEQUENCE

THE POURING SEQUENCE OF THE SLAB MAY NOT BE CHANGED WITHOUT WRITTEN APPROVAL OF THE DESIGNER.

TEMPORARY SUPPORTS

TEMPORARY SUPPORTS OR SHORING WILL NOT BE PERMITTED UNDER THE GIRDERS WHEN POURING THE CONCRETE FLOOR SLAB OR WHEN TAKING "TOP OF BEAM" ELEVATIONS.

PAYMENT FOR PRECAST CONCRETE BEAMS

THE BASIS FOR PAYMENT FOR THE PRESTRESSED CONCRETE BEAMS SHALL BE AT THE CONTRACT UNIT PRICE PER LINEAR METER OF BEAM, IN ACCORDANCE WITH THE SPECIFICATIONS.

SHOP DRAWINGS

CONTRARY TO THE SPECIFICATIONS, SHOP DRAWINGS REQUIRING REVIEW WITH NO DESIGN CHANGES SHALL BE SUBMITTED DIRECTLY FROM THE FABRICATOR TO THE DIVISION OF BRIDGE DESIGN.

SPIRAL COLUMN TIES

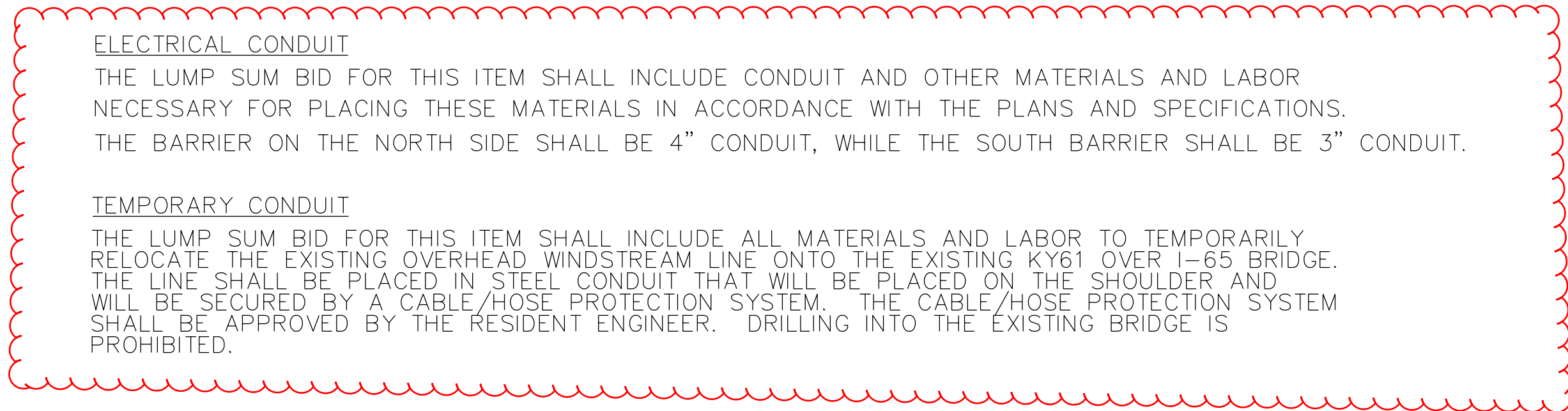
SPLICES FOR SPIRAL WHERE DESIRED BY THE CONTRACTOR SHALL BE MADE WITH A MINIMUM OF ONE AND ONE HALF TURNS OF THE SPIRAL. NO ADDITIONAL PAYMENT WILL BE MADE FOR THESE SPLICES, AND THE COST WILL BE CONSIDERED INCIDENTAL TO THE COST OF THE DEVELOPED LENGTH OF SPIRAL SHOWN ON THE PLANS. WEIGHT OF SPACERS IS NOT INCLUDED IN THE ESTIMATE OF QUANTITIES.

ELECTRICAL CONDUIT

THE LUMP SUM BID FOR THIS ITEM SHALL INCLUDE CONDUIT AND OTHER MATERIALS AND LABOR NECESSARY FOR PLACING THESE MATERIALS IN ACCORDANCE WITH THE PLANS AND SPECIFICATIONS. THE BARRIER ON THE NORTH SIDE SHALL BE 4" CONDUIT, WHILE THE SOUTH BARRIER SHALL BE 3" CONDUIT.

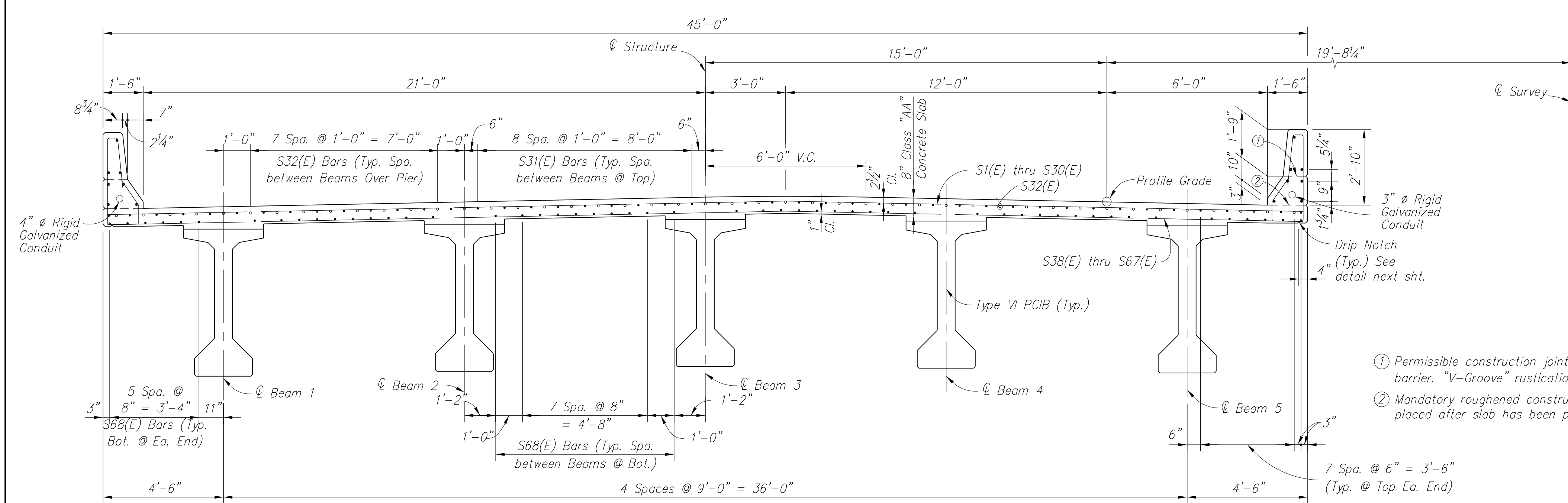
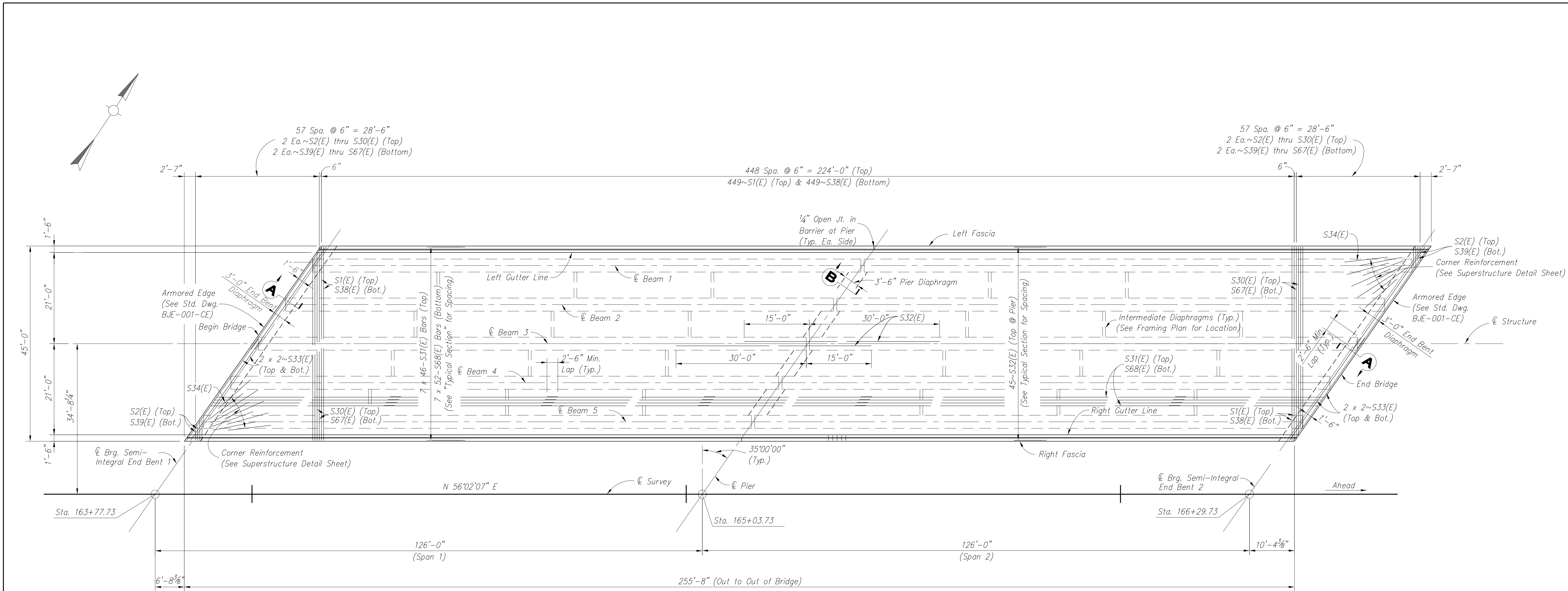
TEMPORARY CONDUIT

THE LUMP SUM BID FOR THIS ITEM SHALL INCLUDE ALL MATERIALS AND LABOR TO TEMPORARILY RELOCATE THE EXISTING OVERHEAD WINDSTREAM LINE ONTO THE EXISTING KY61 OVER I-65 BRIDGE. THE LINE SHALL BE PLACED IN STEEL CONDUIT THAT WILL BE PLACED ON THE SHOULDER AND WILL BE SECURED BY A CABLE/HOSE PROTECTION SYSTEM. THE CABLE/HOSE PROTECTION SYSTEM SHALL BE APPROVED BY THE RESIDENT ENGINEER. DRILLING INTO THE EXISTING BRIDGE IS PROHIBITED.



ITEM NUMBER 5-117.00

REVISION		DATE
DATE: <i>1 Nov. 2002</i>	CHECKED BY	
DESIGNED BY: <i>S.P.M.</i>	<i>R.J.W.</i>	
DETAILED BY: <i>C.L.C.</i>	<i>S.P.M.</i>	
Commonwealth of Kentucky		
DEPARTMENT OF HIGHWAYS		
COUNTY		
BULLITT		
ROUTE KY 61	CROSSING I-65	
GENERAL NOTES		
PREPARED BY Qk4		SHEET NO. S2
1046 E. Chestnut St. Louisville, Kentucky 40204		DRAWING NO. 24691



- NOTES:
- See Superstructure Details Sheet for Diaphragm Details, Corner Reinforcement and Sections.
 - Place stirrups in End Bents and Pier Diaphragms parallel to beams.
- ① Permissible construction joint and bottom of 1/4" open joint in the top of barrier. "V-Groove" rustication joint is required if construction joint is used.
 ② Mandatory roughened construction joint. Concrete above this joint is to be placed after slab has been properly cured.

REVISION		DATE
DATE:	1 Nov. 2002	CHECKED BY
DESIGNED BY:	S.P.M.	R.J.W.
DETAILED BY:	J.T.D.	S.P.M.

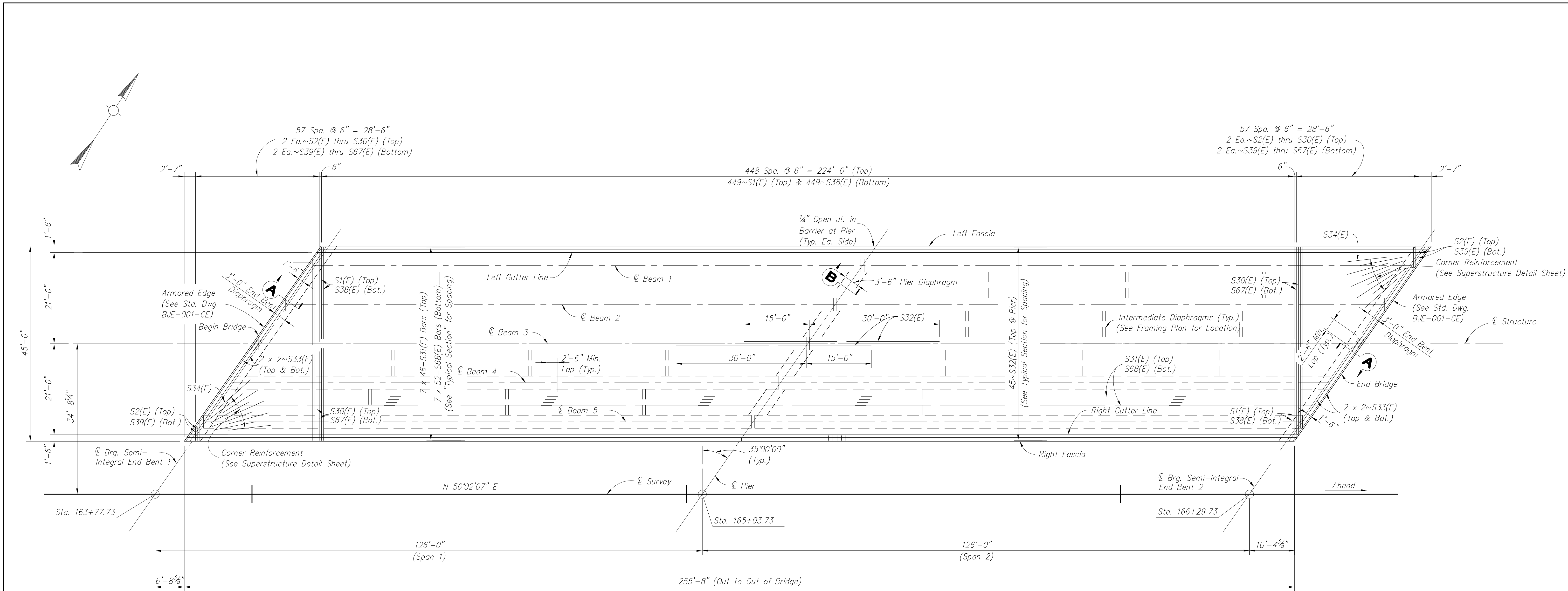
Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
 COUNTY
BULLITT

ROUTE KY 61	CROSSING I-65
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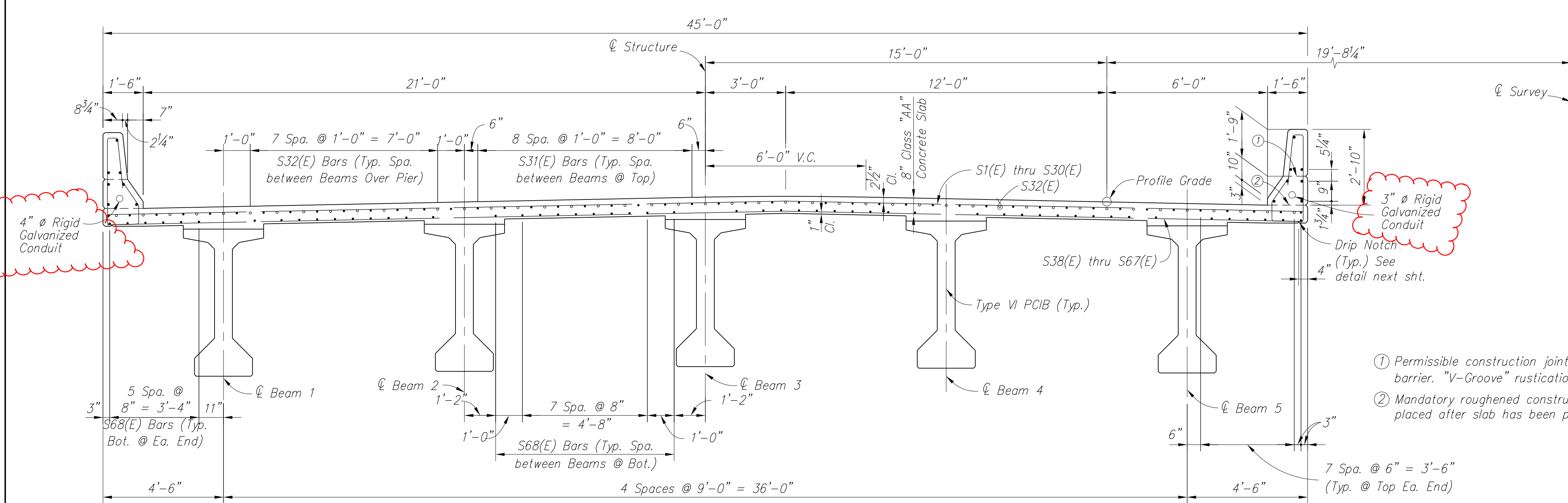
SUPERSTRUCTURE

PREPARED BY Qk4 815 W. Market St. Suite 300 Louisville, Kentucky 40202	SHEET NO. S11 DRAWING NO. 24691
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ITEM NUMBER 5-117.00



PLAN



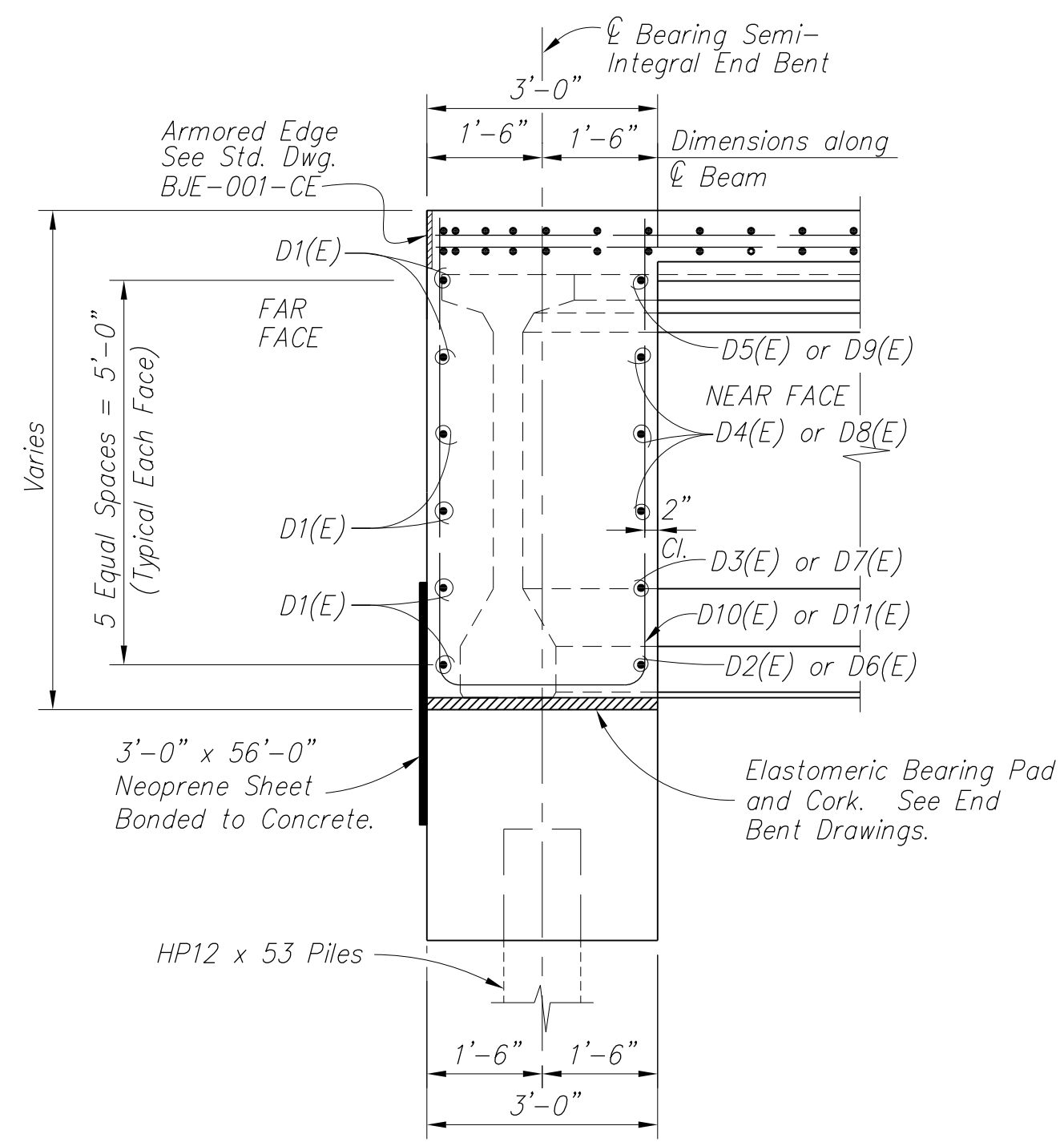
TYPICAL SECTION

- NOTES:
1. See Superstructure Details Sheet for Diaphragm Details, Corner Reinforcement and Sections.
 2. Place stirrups in End Bents and Pier Diaphragms parallel to beams.

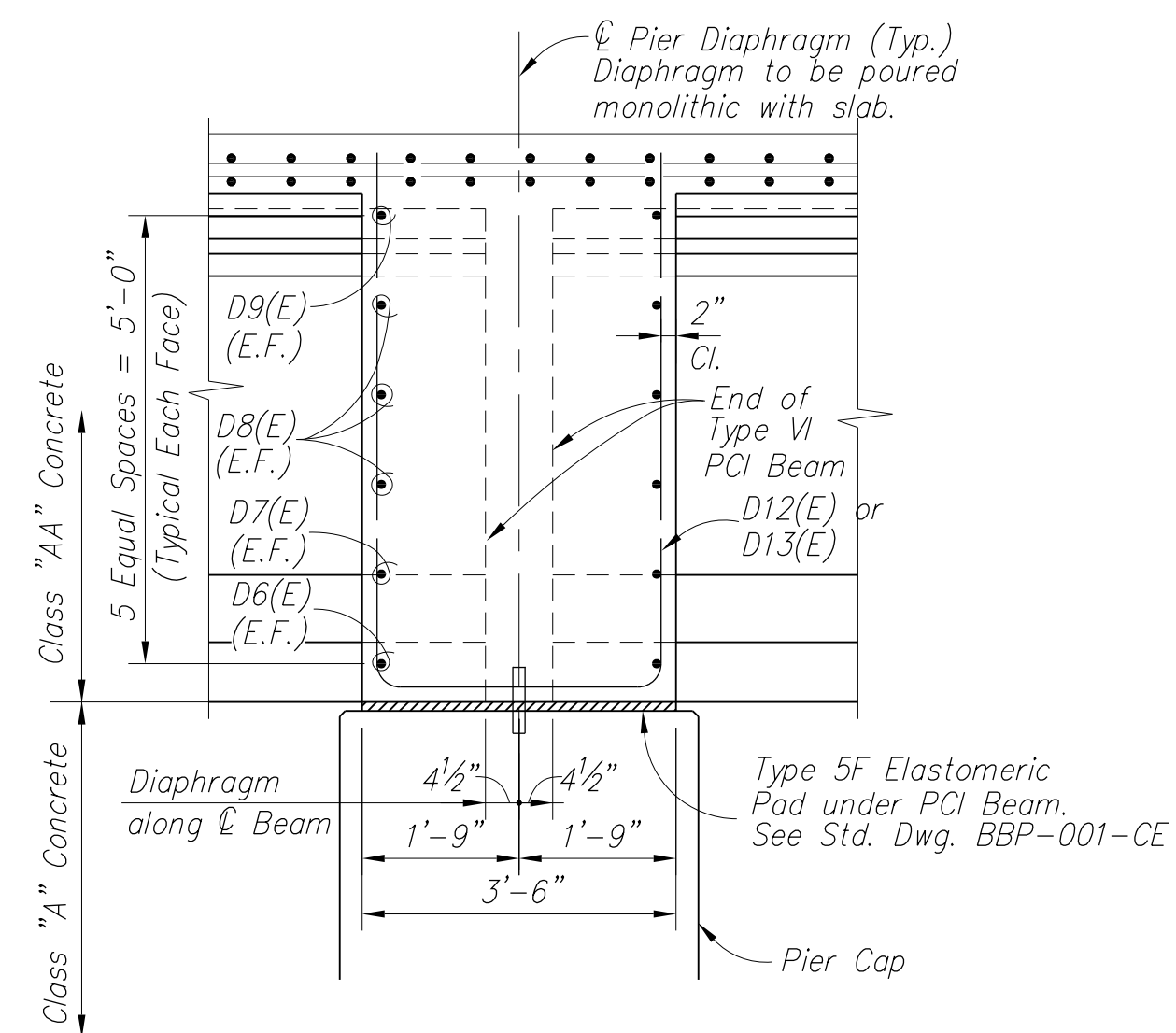
- ① Permissible construction joint and bottom of 1/4" open joint in the top of barrier. "V-Groove" rustication joint is required if construction joint is used.
- ② Mandatory roughened construction joint. Concrete above this joint is to be placed after slab has been properly cured.

REVISION		DATE
DATE:	1 Nov. 2002	CHECKED BY:
DESIGNED BY:	S.P.M.	R.J.W.
DETAILED BY:	J.T.D.	S.P.M.
Commonwealth of Kentucky		
DEPARTMENT OF HIGHWAYS		
COUNTY		
BULLITT		
ROUTE	CROSSING	
KY 61	I-65	
SUPERSTRUCTURE		
PREPARED BY:	SHEET NO.	
Qk4	S11	
815 W. Market St. Suite 300		DRAWING NO.
Louisville, Kentucky 40202		24691

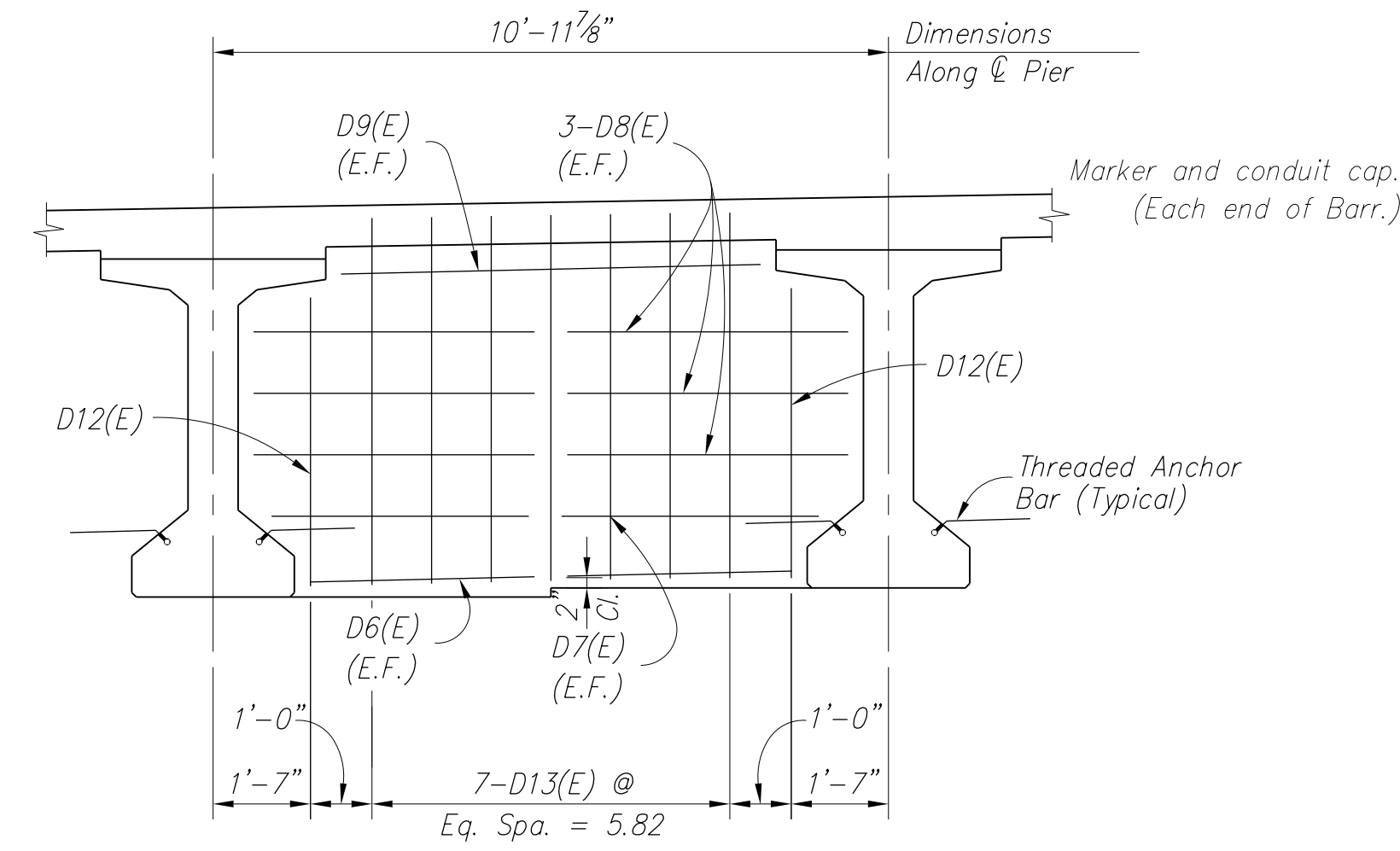
ITEM NUMBER 5-117.00



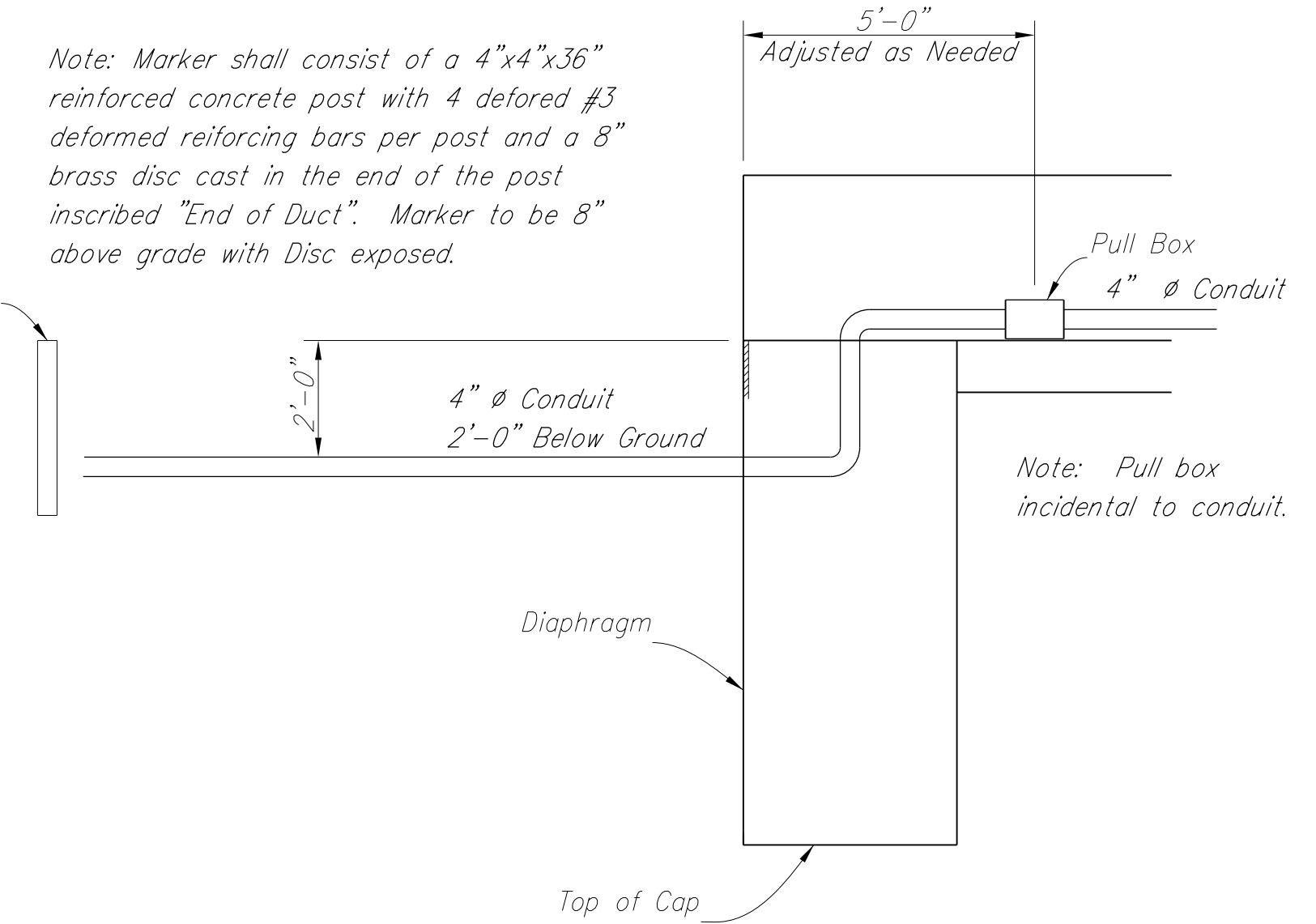
SECTION A



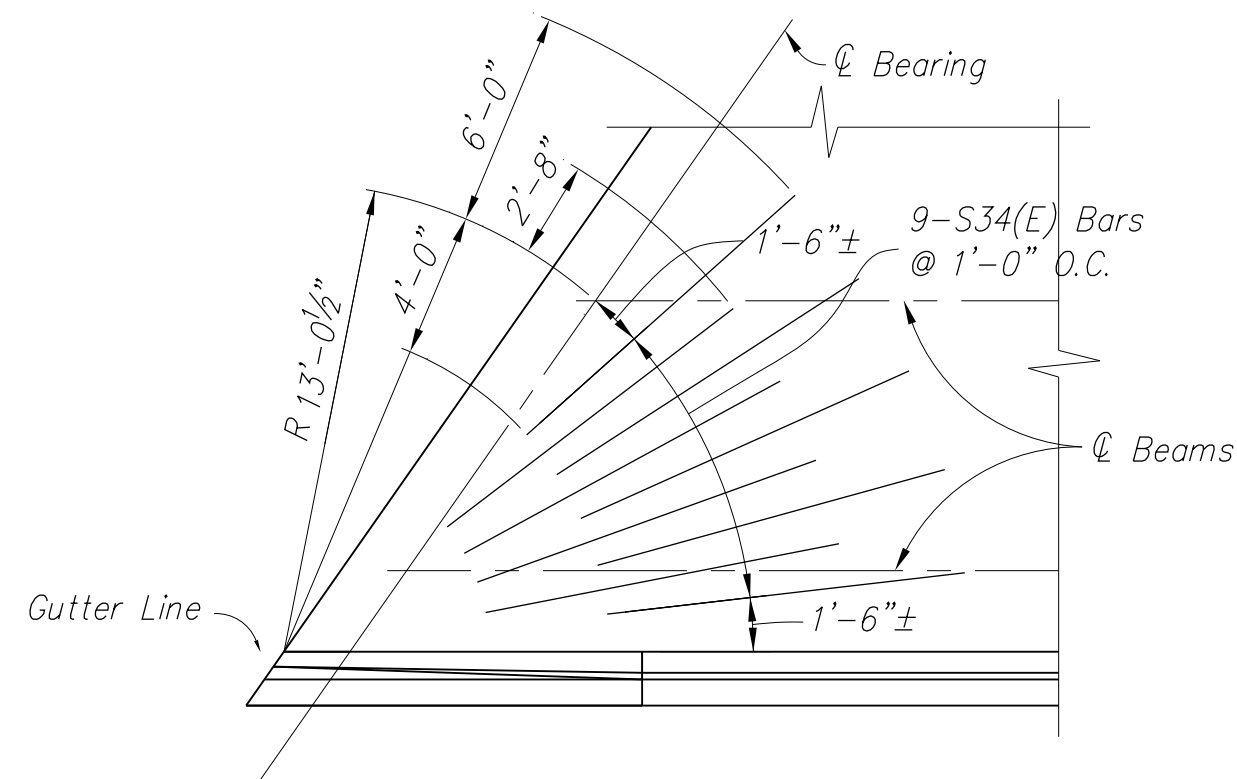
SECTION B



ELEV. - PIER DIAPHRAGM



CONDUIT DETAIL THROUGH DIAPHRAGM

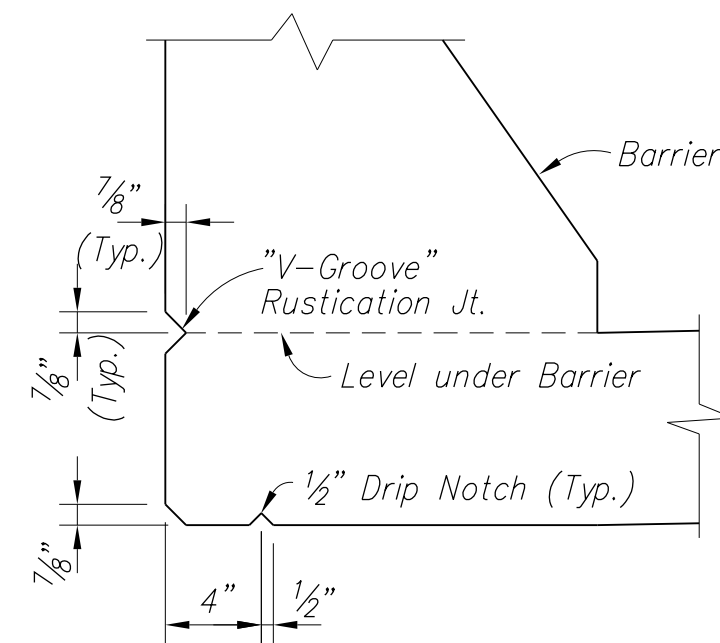


CORNER REINFORCEMENT DETAIL

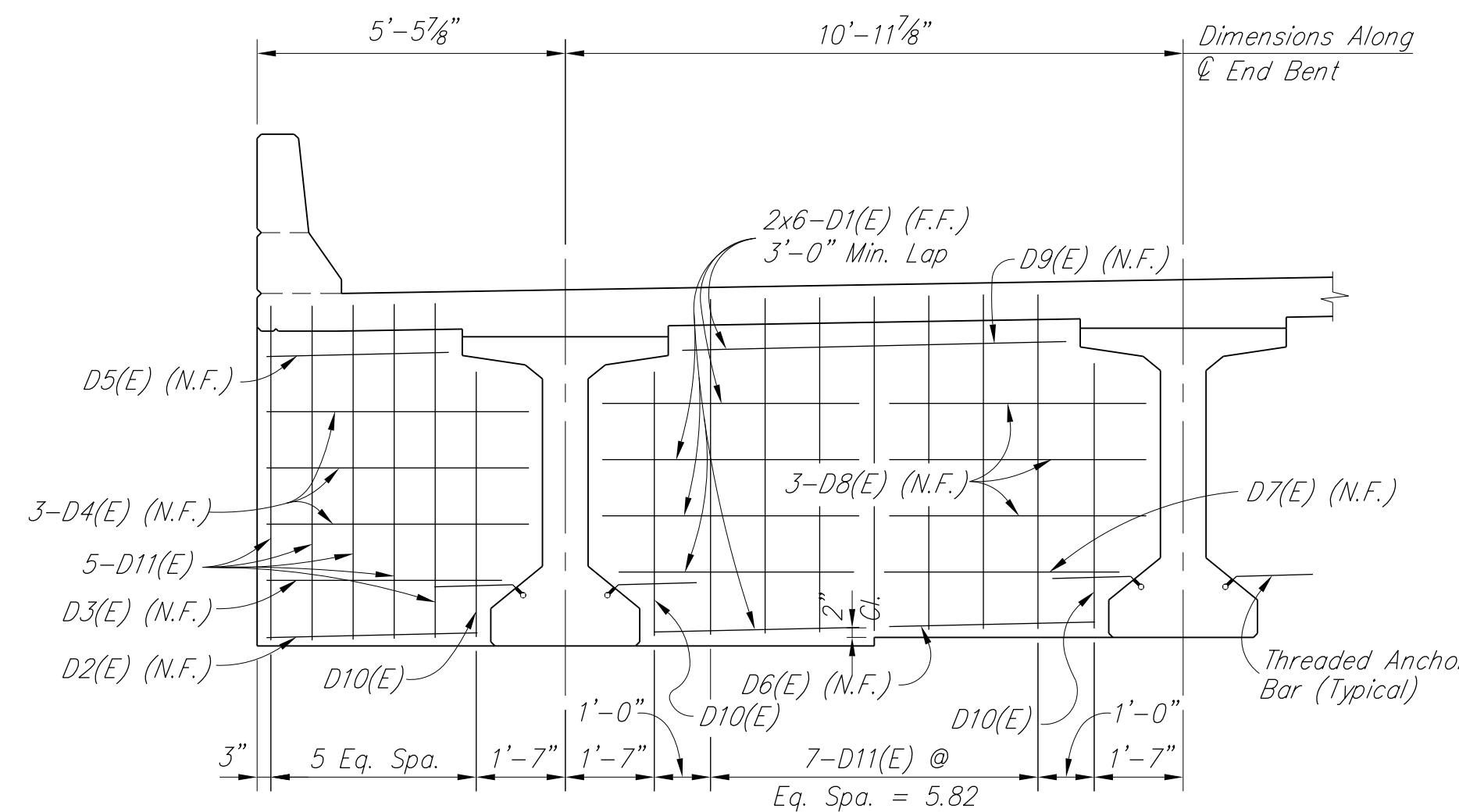
(2 Locations)

NOTE:

Corner reinforcement shall be placed beneath the longitudinal and transverse reinforcement in the top of the slab.



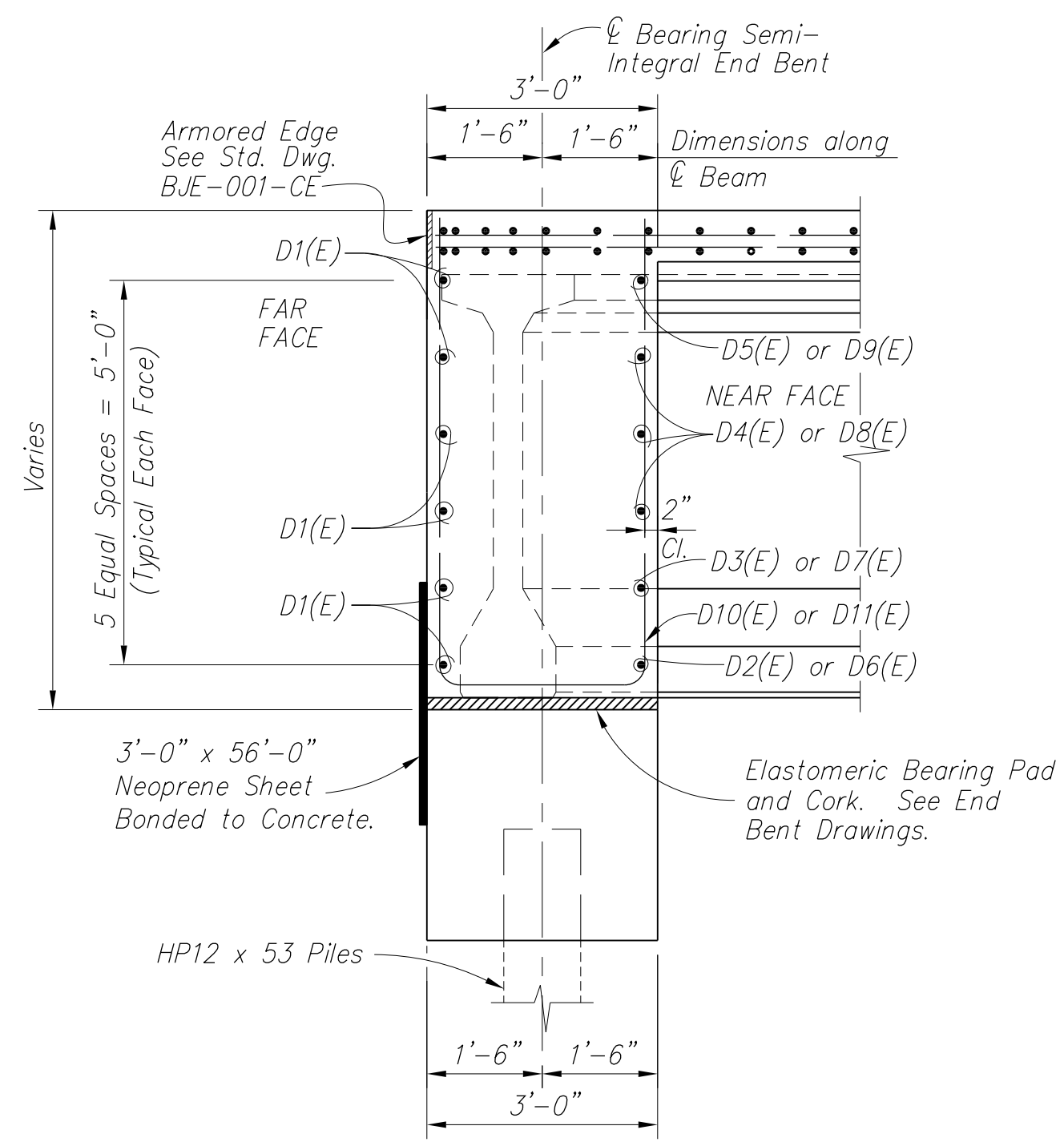
RUSTICATION JOINT and DRIP NOTCH DETAIL



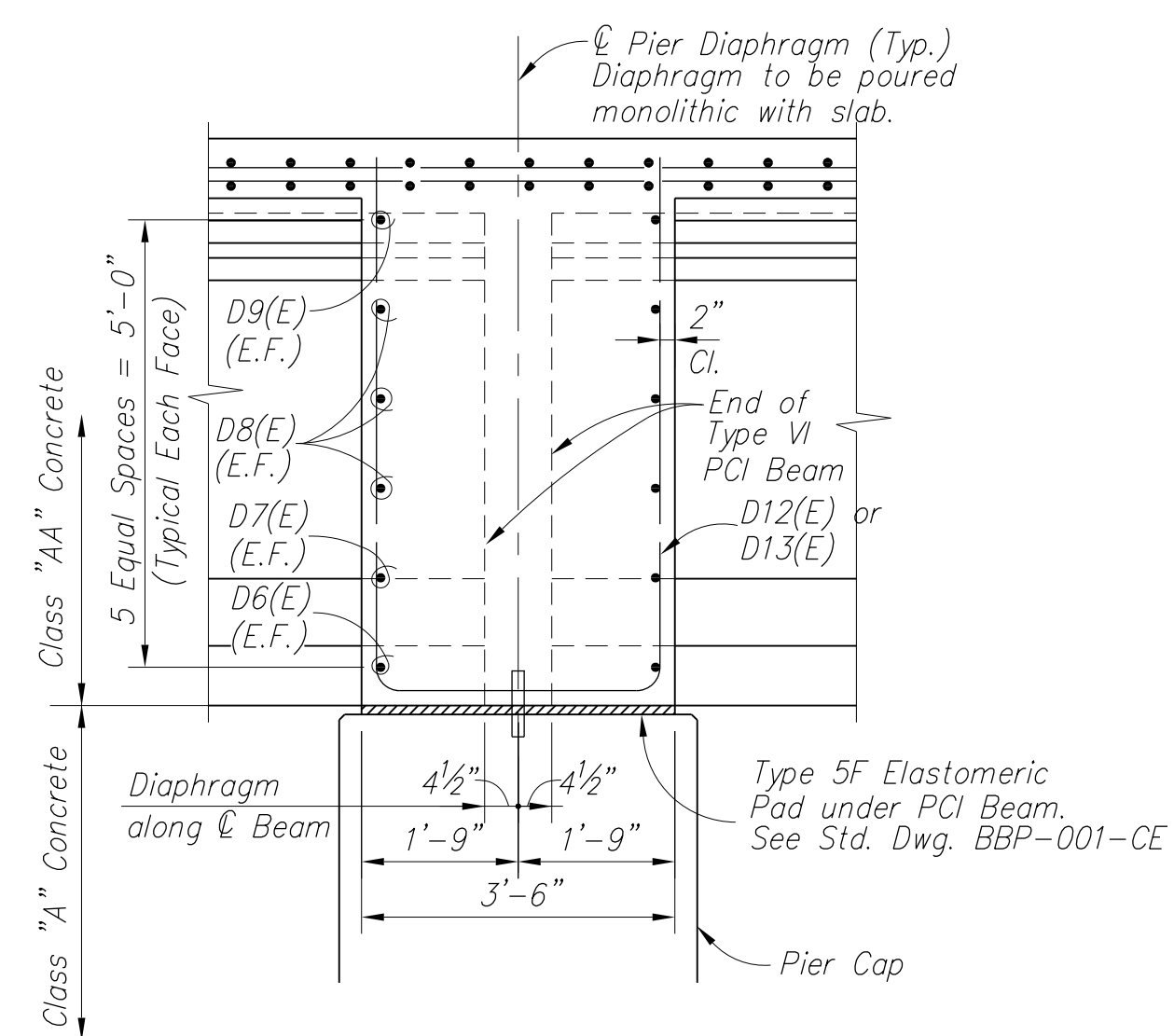
ELEV. - SEMI-INTEGRAL END BENT DIAPHRAGM

REVISION		DATE
DATE: 1 Nov. 2002	CHECKED BY: R.J.W.	
DESIGNED BY: S.P.M.	S.P.M.	
DETAILED BY: C.L.C.	S.P.M.	
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS		
COUNTY BULLITT		
ROUTE KY 61	CROSSING I-65	
SUPERSTRUCTURE DETAILS		
PREPARED BY Qk4	SHEET NO. S12	
1046 E. Chestnut St. Louisville, Kentucky 40204		DRAWING NO. 24691

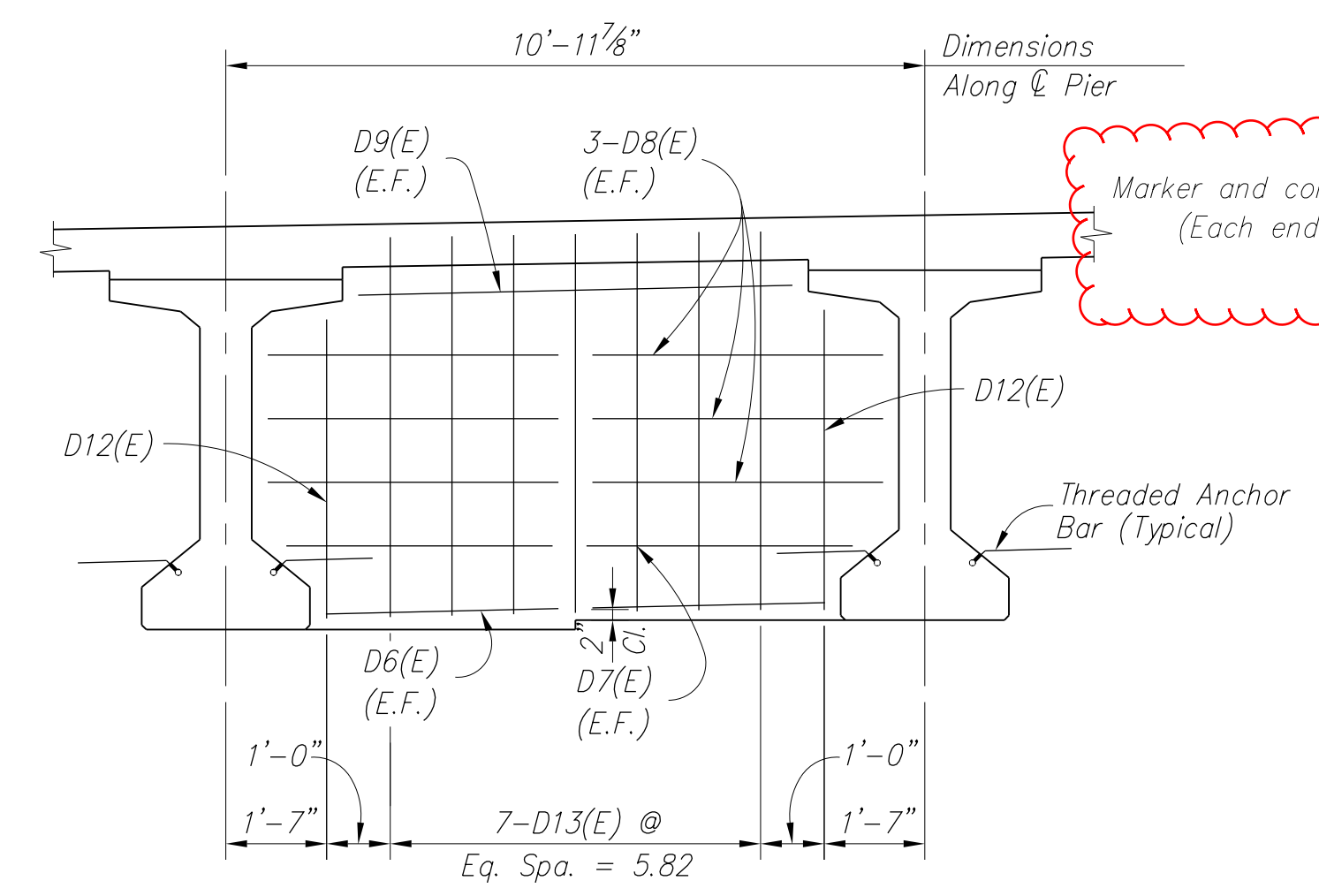
ITEM NUMBER 5-117.00



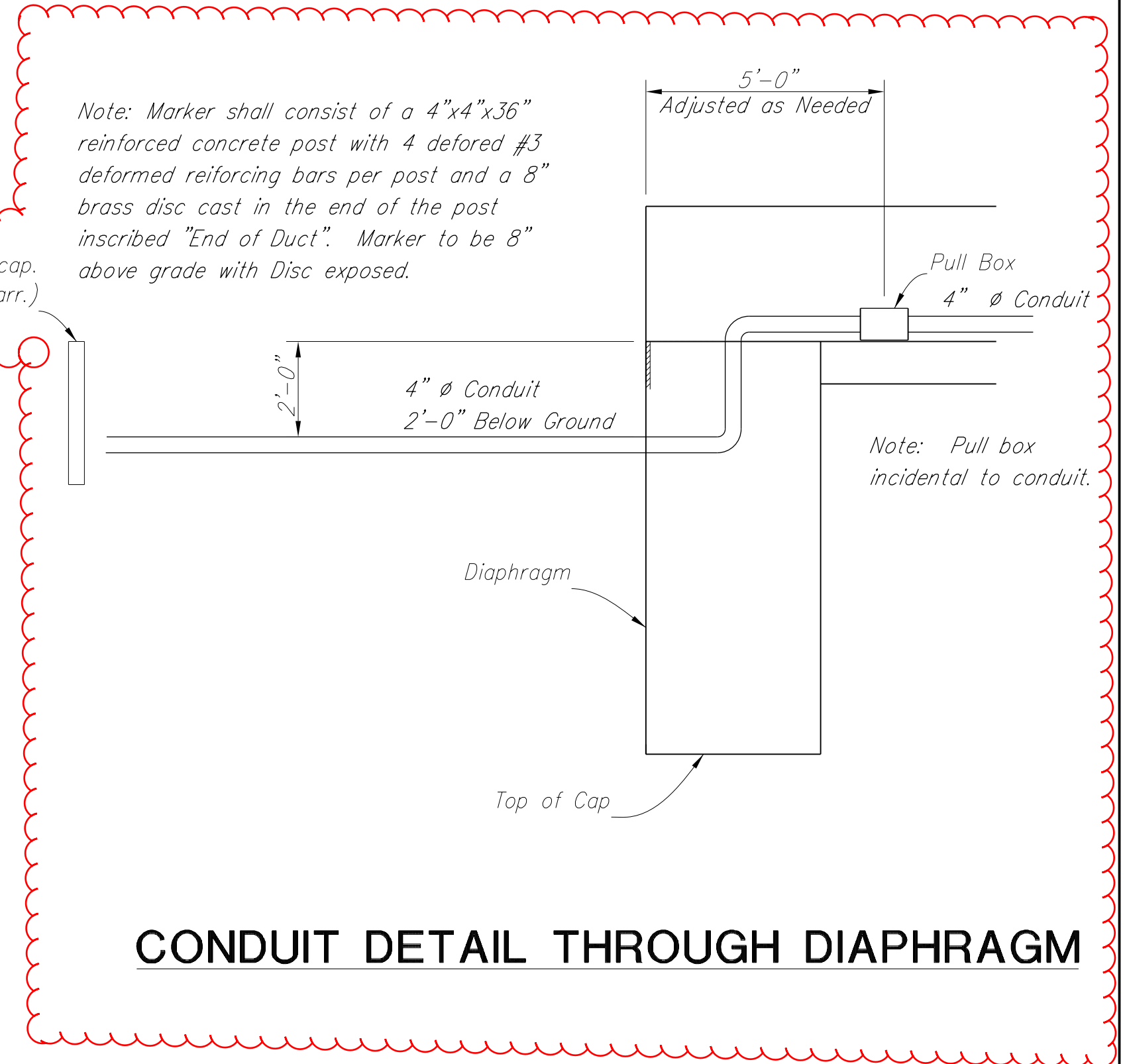
SECTION A



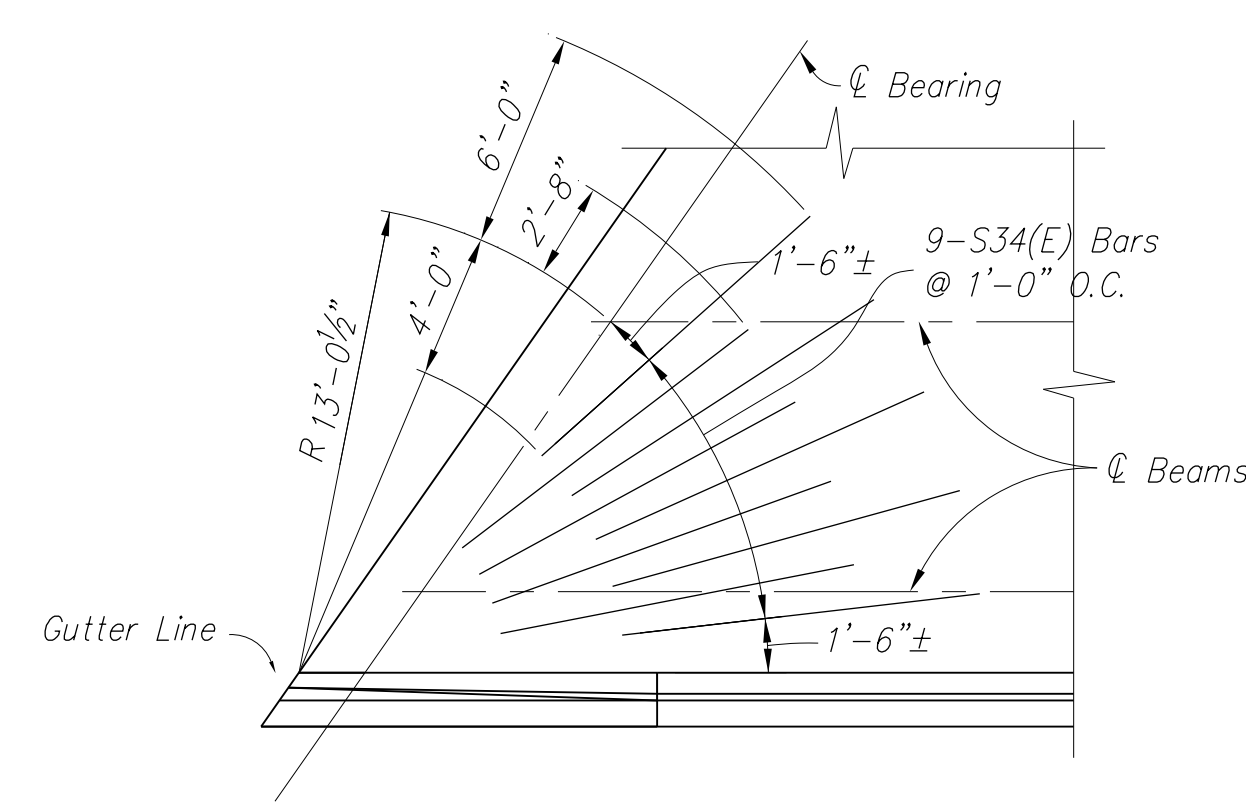
SECTION B



ELEV. - PIER DIAPHRAGM



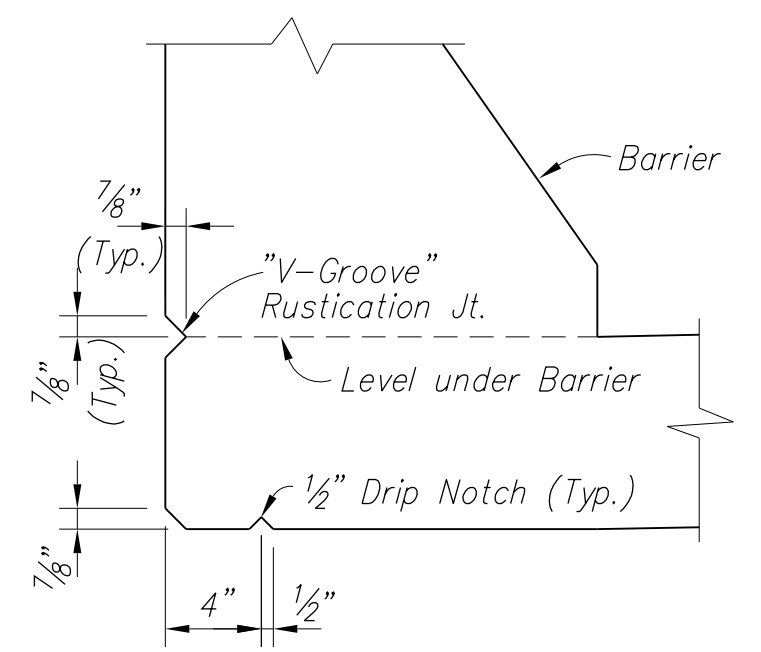
CONDUIT DETAIL THROUGH DIAPHRAGM



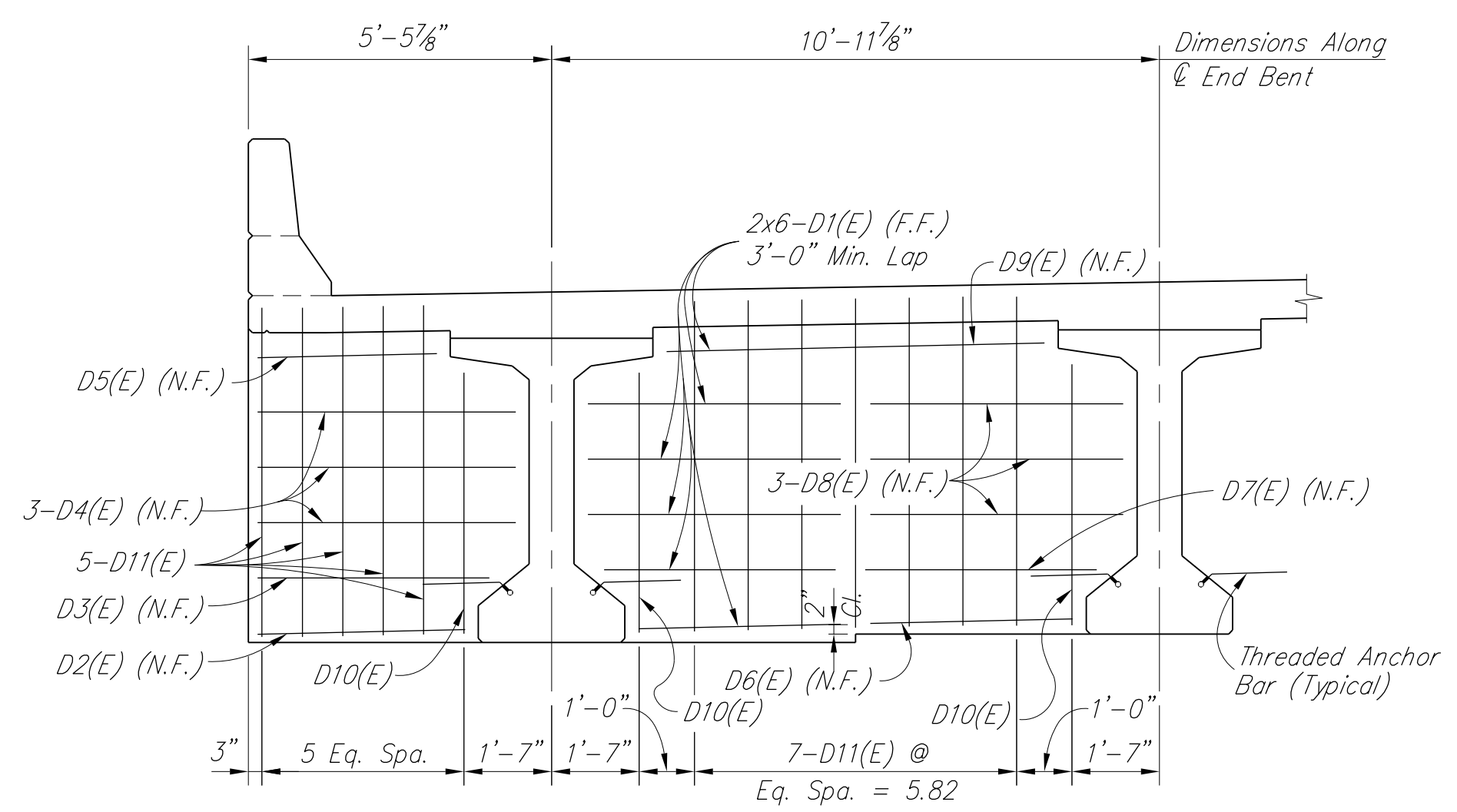
CORNER REINFORCEMENT DETAIL

(2 Locations)

NOTE:
Corner reinforcement shall be placed beneath the longitudinal and transverse reinforcement in the top of the slab.



RUSTICATION JOINT and DRIP NOTCH DETAIL



ELEV. - SEMI-INTEGRAL END BENT DIAPHRAGM

REVISION		DATE
DATE: 1 Nov. 2002	CHECKED BY: R.J.W.	
DESIGNED BY: S.P.M.	S.P.M.	
DETAILED BY: C.L.C.	S.P.M.	
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS		
COUNTY BULLITT		
ROUTE KY 61	CROSSING I-65	
SUPERSTRUCTURE DETAILS		
PREPARED BY Qk4	SHEET NO. S12	DRAWING NO. 24691
1046 E. Chestnut St. Louisville, Kentucky 40204		

ITEM NUMBER 5-117.00

SPECIAL NOTE FOR RAILROAD FLAGGING

Unless otherwise noted, Section references herein are to the Department's Standard Specifications for Road and Bridge Construction. All applicable portions of the Department's Standard Specifications apply unless specifically modified herein.

- 1. DESCRIPTION.** It is estimated this project will require 180 days of railroad flagging. Guidelines for determining when flagging protection will be needed are included in the Special Provisions for Protection of Railroad Interest. The Daily Rate for this project will be \$1,000.00
- 2. DEFINITION OF FLAGGING.** The particular Railroad(s) involved in this project will define when flagging is required (see Summary for KYTC Projects That Involve a Railroad and Special Provisions for Protection of Railroad Interest) and the number of flaggers needed. At least 2 weeks notice is required before flagging will be provided, but it could take up to 30 days. It will remain the Contractor's responsibility to schedule work including any down time (such as winter) so as to minimize the use of flagging services. The Department retains no responsibility for coordinating flagging services between the Railroad and the Contractor.
- 3. REDUCTION AND EXTENSION OF RAILROAD FLAGGING TIME.** Based upon the Kentucky Standard Specifications, any changes in contract time for this project will be by change order. If the nature of the work in the change order necessitates additional use of railroad flagging services, then that shall be identified in that change order and the number of calendar days for railroad flagging services shall be increased. By signing the change order, the contractor waives all rights to any future request to change the number of days of railroad flagging associated with the work in that change order. Since the number of days involves the cost to the Department and not the Contractor, the number of days of railroad flagging shall not be reduced.
- 4. MEASUREMENT.** The Department will keep track of calendar days that railroad flagging is performed. This will include any day that any railroad flagger charges a minimum of 5 hours of onsite flagging. Except that from April 1st thru November 30th this will not include days where the Contractor cannot perform at least 5 hours of the work that necessitates railroad flagging due to weather, seasonal, or temperature limitations of the Specifications, or other conditions beyond the control of the Contractor as judged by the Engineer. From Dec 1st thru March 30th any day that any railroad flagger charges a minimum of 5 hours of onsite flagging then a calendar day of railroad flagging will be counted; without regard to weather, seasonal or temperature limitations of the Specifications. The Engineer will furnish the Contractor bi-weekly statements showing the number of railroad flagging days charged for the period. The Contractor acknowledges acceptance of, and agreement with, all bi-weekly statements unless the Contractor submits a written protest containing supporting evidence for a change within 14 calendar days of receiving the bi-weekly statement.

If the number of calendar days of railroad flagging has exceeded 180 days, then the Contractor will be charged for each day that additional flagging is needed multiplied by the Daily Rate. This will be in addition to any liquidated damages or other reimbursements that the contract or the Kentucky Standard Specifications may require. This charge will continue, based upon actual flagging use, until Formal Acceptance.

If upon Formal Acceptance the total number of calendar days that railroad flagging is performed is less than 180 days no additional monies will be given to the Contractor.



Kentucky Transportation Cabinet
Division of Right of Way & Utilities

TC 69-008
08/2010
Page 1 of 2

SUMMARY FOR KYTC PROJECTS THAT INVOLVE A RAILROAD

Date: 10/13/2015 (enter using M/d/yyyy format)

This project actively involves the below listed railroad company. This Project Summary provides an abbreviated listing of project specific railroad data. The detailed needs of the specified railroad company are included in the Special Notes for Protection of Railroad Interest in the proposal package. By submitting a bid, the contractor attests that they have dutifully considered and accepted the provisions as defined in both documents.

GENERAL ROAD PROJECT INFORMATION (This section must be provided by KYTC)

County: Bullitt
Federal Number: N/A
State Number: FD04 015 53251 02U
Route: KY 61
Project Description: Widen KY 61 from Sheperdsville Extending Northerly to Existing 4-Lane
Item Number: 05-117.00 Highway Milepost: 014-020

GENERAL RAIL INFORMATION (The below sections must be provided by Railroad Company)

Rail Company Name: CSX Transportation, Inc.
AAR-DOT# (if applicable): 343 529T Railroad Milepost: 000-16.53
Freight: Train Count (6am to 6pm): 11 Train Count (6pm to 6am): 6 Train Count (24 hr total): 17 Max Speed: 60 mph
Passenger: Train Cnt. (6am to 6pm): 0 Train Cnt. (6pm to 6am): 0 Train Cnt. (24 hr total): 0 Max Speed: 0 mph
(This information is necessary to acquire the necessary insurances when working with Railroad Right of Way)

INSURANCE REQUIREMENTS

The named insured, description of the work and designation of the job site to be shown on the Policy are as follows:

- (a) Named Insured: CSX Transportation, Inc.
- (b) The project description should be as indicated in the General Road Project Information section.
- (c) The designation of the jobsite is the route, Milepost, and AAR-DOT# listed above.

FLAGGING INFORMATION

Flagging Estimate:

See Special Note for Railroad Flagging for details. Flagging will be paid by KYTC directly to CSX.

Hourly Rate:

\$1000.00 per day based on a 12 hour day effective as of the date of this document.

Work by a flagman in excess of 8 hours per day or 40 hours per week, but not more than 12 hours a day will result in overtime pay at 1 1/2 times the appropriate rate. Work by a flagman in excess of 12 hours per day will result in overtime pay at 2 times the appropriate rate. If work is performed on a holiday, the flagging rate is 2 1/2 times the normal rate.

Forecasted Rate Increases:

Rates will increase to \$0.00 per hour based on a 0 hour day effective _____ (enter using M/d/yyyy format).

RAILROAD CONTACTS

(to be provided by Railroad Company)

General Railroad Contact:

Amanda J. DeCesare
CSX Transportation, Inc.
Public Projects Group
500 Meijer Dr., Suite 305
Florence, KY 41042
(Phone) 859-426-6924
(Email) amanda_decesare@csx.com

Regional Representative (Roadmaster):

Ethan Feagan
Roadmaster for CSX
1200 Don Hudson Blvd
Louisville, KY 40219
(Cell) 828-728-6664
(Phone) 502-364-1133
(Email) Ethan_Feagan@csx.com

Insurance contact:

CSX Corporation
Insurance Department

(Phone) _____
(Email) insurancedocuments@csx.com

Railroad Designer Contact:

Contractor or In-House Employee? Consultant

Larry Shaw, PE
Sr. Project Manager
Benesch
201 N. Illinois St., 16th Floor South Tower
Indianapolis, IN 46204
(Phone) 317-610-3241
(Email) LShaw@benesch.com

Railroad Construction Contact:

Contractor or In-House Employee? Consultant

Wayne Bolen, PE
Sr. Project Manager
Benesch
201 E Fifth Street, Suite 1900
Cincinnati, OH 45202
(Phone) 859-250-5483
(Email) WBolen@benesch.com

KENTUCKY TRANSPORTATION CABINET CONTACTS

(to be provided by KYTC)

KYTC Railroad Coordinator:

Allen Rust, PE
Div. of Right of Way & Utilities
Kentucky Transportation Cabinet
200 Mero Street, 5th Floor East
Frankfort, Kentucky 40622
(Phone) 502-782-4950
(Email) allen.rust@ky.gov

KYTC Construction Procurement Director:

Rachel Mills, Director
Div. of Construction Procurement
Kentucky Transportation Cabinet
200 Mero Street, 3rd Floor West
Frankfort, Kentucky 40622
(Phone) 502-782-5152
(Email) Rachel.Mills@ky.gov

KYTC Construction Director:

Ryan Griffith, Director
Div. of Construction Procurement
Kentucky Transportation Cabinet
200 Mero Street, 3rd Floor West
Frankfort, Kentucky 40622
(Phone) 502-782-5127
(Email) ryan.griffith@ky.gov



The project specific information provided herein is valid as of the date indicated. However, the specific information may be subject to change due to the normal business operations of all parties. The terms and conditions defined here, and in the bid proposal in its entirety, are inclusive and constant.

**SPECIAL NOTE FOR
CONSTRUCTION LIMITATIONS FROM U.S. FISH & WILDLIFE**

THE AWARDED CONTRACTOR SHALL COMPLY WITH THE BIOLOGICAL OPINION DOCUMENT THAT WAS APPROVED BY THE U.S. FISH AND WILDLIFE SERVICE ON SEPTEMBER 10, 2015 AND WAS ISSUED TO THE KENTUCKY TRANSPORTATION CABINET VIA THE FEDERAL HIGHWAYS ADMINISTRATION.

DUE TO THE PRESENCE OF THE FEDERALLY LISTED THREATENED KENTUCKY GLADE CRESS PLANT SPECIES NEAR ALONG THE KENTUCKY HIGHWAY 61 CORRIDOR (KY-61), THE CONTRACTOR SHALL ADHERE TO THE FOLLOWING CONDITIONS:

- * AREAS DISTURBED WITHIN THE PROJECT SECTION 1 (Item 5-117.10) DURING CONSTRUCTION THAT ARE NOT STABILIZED WITH RIP RAP OR EROSION BLANKET WILL BE SEEDED USING ONE OF THE FOLLOWING KYTC STANDARD SEED MIX TYPES:

SEED MIX TYPE I: 50% KENTUCKY 31 TALL FESCUE (FESTUCA ARUNDINACEA), 35% HARD FESCUE (FESTUCA LONGIFOLIA), 10% PERENNIAL RYEGRASS (LOLIUM PERENNE), AND 5% WHITE DUTCH CLOVER (TRIFOLIUM REPENS).

SEED MIX TYPE II: 60% KENTUCKY 31 TALL FESCUE, 20% PERENNIAL RYEGRASS, 10% (BASED ON PURE LIVE SEED) LITTLE BLUESTEM (SCHIZACHYRIUM SCOPARIUM), AND 10% PARTRIDGE PEA (CASSIA FASCICULATE).

SEED MIX TYPE III: 40% KENTUCKY 31 TALL FESCUE, 15% PERENNIAL RYEGRASS, 20% SERICEA LESPEDEZA (LESPEDEZA CUNEATA), 15% PARTRIDGE PEA, AND 10% (BASED ON PURE LIVE SEED) LITTLE BLUESTEM.

- * IN ORDER TO AVOID HABITAT MODIFICATION AND ENCROACHMENT OF INVASIVE SPECIES NEAR KNOWN KENTUCKY GLADE CRESS POPULATIONS, AREAS DISTURBED WITHIN THE PROJECT SECTION 2 (Item 5-117.20) DURING CONSTRUCTION THAT ARE NOT STABILIZED WITH RIP RAP OR EROSION BLANKET WILL BE SEEDED USING THE FOLLOWING SEED MIX:

MODIFIED SEED MIX: 10% REDTOP (AGROSTIS ALBA), 35% CREEPING RED FESCUE (FESTUCA RUBRA), 35% CHEWINGS FESCUE (FESTUCA RUBRA VAR. COMMUTATE), AND 20% PERENNIAL RYEGRASS.

**SPECIAL NOTE FOR
CONSTRUCTION LIMITATIONS FROM U.S. FISH & WILDLIFE
(CONTINUED)**

- * KENTUCKY GLADE CRESS 'IMPACT SITE 1' IS LOCATED NORTH OF THE EXISTING KY-61 WEST OF THE I-65 OVERPASS (38.0222° N LATITUDE, 85.6976° W LONGITUDE). IT CONSISTS OF TWO SMALL CEDAR GLADES, COMPRISING 0.16 ACRES, SURROUNDED BY MATURE WOODS TO THE NORTH AND WEST AND YOUNG WOODS TO THE SOUTH AND EAST. THIS SITE IS LOCATED OUTSIDE OF THE DISTURBED LIMITS OF THE PROPOSED PROJECT (SEE FIGURE 5 KENTUCKY GLADE CRESS IMPACT SITE 1 DEVELOPMENT MAP); HOWEVER, PROTECTIVE ACTIONS WILL BE REQUIRED NEAR THIS AREA AND ADJACENT ACTIVITIES SHOULD COMPLETED AS TO AVOID ANY DIRECT, INDIRECT, OR CUMULATIVE EFFECTS TO THIS KENTUCKY GLADE CRESS POPULATION.

- * A SILT FENCE WILL BE INSTALLED ON THE UPHILL (SOUTHERN) BOUNDARY OF IMPACT SITE 1 PRIOR TO CONSTRUCTION TO INHIBIT DIRECT ENCROACHMENT OF SEDIMENT AND OTHER CONTAMINANTS TO IMPACT SITE 1. THE SILT FENCE WILL BE INSTALLED IN SUCH A WAY THAT THE BOTTOM EDGE WILL BE UNDER THE SURFACE OF THE GROUND TO PREVENT SEDIMENT FROM PASSING UNDERNEATH IT. A MINIMUM OF 5 DAYS NOTICE PRIOR TO INSTALLATION OF THIS SILT FENCING MUST BE PROVIDED TO KYTC PERSONS ELLEN MULLINS (502-782-5008) AND SUSAN OATMAN (502-210-5448), KYTC DISTRICT 5 AND KYTC DIVISION OF ENVIRONMENTAL ANALYSIS STAFF MUST BE PRESENT ON-SITE DURING INSTALLATION OF THE SILT FENCE BOUNDARY. THE LOCATION OF THE SILT FENCE BOUNDARY IS DEPICTED IN FIGURE 5.

- * SILT FENCING AND/OR EXCLUSION FENCING WILL BE PLACED AROUND IMPACT SITE 1 AND SURROUNDING AREA TO ENSURE THAT CONSTRUCTION EQUIPMENT DOES NOT ENTER THE SITE AND DISTURBANCE DOES NOT OCCUR. A MINIMUM OF 5 DAYS NOTICE PRIOR TO INSTALLATION OF THIS SILT FENCING AND/OR EXCLUSION FENCING MUST BE PROVIDED TO KYTC PERSONS ELLEN MULLINS (502-782-5008) AND SUSAN OATMAN (502-210-5448), KYTC DISTRICT 5 AND KYTC DIVISION OF ENVIRONMENTAL ANALYSIS STAFF MUST BE PRESENT ON-SITE DURING INSTALLATION OF THE SILT FENCE AND/OR EXCLUSION FENCING BOUNDARY. THE LOCATION OF THE SILT FENCE BOUNDARY IS DEPICTED IN FIGURE 5.

**SPECIAL NOTE FOR
CONSTRUCTION LIMITATIONS FROM U.S. FISH & WILDLIFE
(CONTINUED)**

- * ALL UTILITY RELOCATIONS REQUIRED FOR THE PROJECT WILL BE ROUTED AROUND IMPACT SITE 1 TO AVOID DIRECT IMPACTS TO THE KENTUCKY GLADE CRESS POPULATION.

- * A WATER LINE WILL BE ROUTED APPROXIMATELY 5.5 METERS (18 FEET) DOWN-GRADIENT FROM THE WESTERN-MOST GLADE AT IMPACT SITE 1 AND APPROXIMATELY 3 METERS (10 FEET) FROM THE SINGLE INDIVIDUAL LOCATED SOUTHWEST OF THIS GLADE. PRIOR TO CONSTRUCTION, EXCLUSION FENCING WILL BE INSTALLED ALONG THE EASTERN EDGE OF THE DISTURBANCE LIMITS. THE DISTURBANCE LIMITS FOR THE WATER LINE INSTALLATION WILL BE RESTRICTED TO 1.5 METERS (5 FEET) ON EACH SIDE OF THE CENTERLINE. EXCAVATED SOILS WILL BE BACKFILLED OR HAULED AWAY AND PLACED IN AN UPLAND AREA.

- * THE GAS LINE WILL BE ROUTED APPROXIMATELY 14 METERS (45 FEET) TO THE WEST AND OUTSIDE OF THE AREA THAT DRAINS INTO IMPACT SITE 1. THE DISTURBANCE LIMITS FOR THE GAS LINE INSTALLATION WILL BE RESTRICTED TO 1.5 METERS (5 FEET) ON EACH SIDE OF THE CENTERLINE. EXCAVATED SOIL WILL BE BACKFILLED OVER THE LINE OR HAULED AWAY AND PLACED IN AN UPLAND AREA.

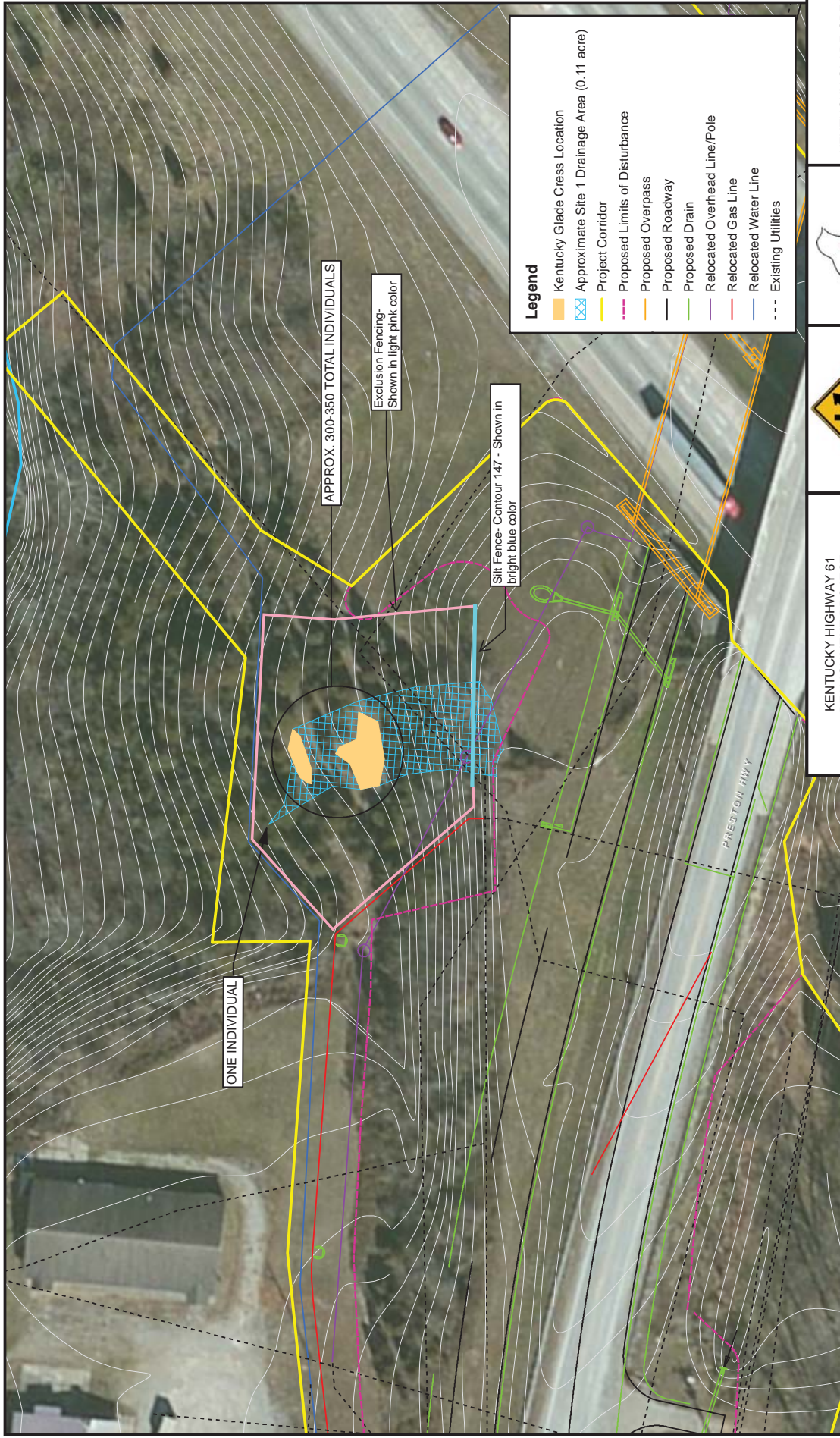
- * AN OVERHEAD ELECTRICAL LINE WILL BE ROUTED APPROXIMATELY 10 METERS (33 FEET) SOUTHEAST OF IMPACT SITE 1 WITH ONE UTILITY POLE INSTALLED APPROXIMATELY 13 METERS (43 FEET) UP-GRADIENT OF THE SITE AND WITHIN THE DRAINAGE AREA OF IMPACT SITE 1. GROUND DISTURBANCE ASSOCIATED WITH THE UTILITY POLE INSTALLATION WILL BE MINIMIZED TO THE EXTENT PRACTICABLE, AND DISPLACED SOIL WILL BE BACKFILLED INTO THE HOLE AND AROUND THE POLE AFTER INSTALLATION.

**SPECIAL NOTE FOR
CONSTRUCTION LIMITATIONS FROM U.S. FISH & WILDLIFE
(CONTINUED)**

- * THE PORTION OF KY-61 THAT RUNS ADJACENT TO THE SITE WILL BE WIDENED TO INCLUDE TWO ADDITIONAL TRAVEL LANES NORTH OF THE EXISTING ALIGNMENT, DECREASING THE DISTANCE BETWEEN THE ROADWAY AND IMPACT SITE 1. A DITCH LOCATED IN THE MEDIAN WILL COLLECT THE MAJORITY OF THE RUNOFF FROM THE NORTH-BOUND LANES OF KY-61 AND A PORTION OF THE SOUTH-BOUND LANES AND WILL DIRECT IT THROUGH A STORMWATER SYSTEM THAT DRAINS AROUND IMPACT SITE 1 TO THE EAST. THE REMAINING RUNOFF WILL SHEET FLOW FROM THE NORTHERN HALF OF THE ROAD DOWN TO THE ROAD EMBANKMENT, THROUGH THE MOWED FLAT AREA, AND DOWN THE WOODED HILLSLOPE SIMILAR TO THE EXISTING DRAINAGE CONDITIONS THROUGH IMPACT SITE 1.

- * IN THE UNFORSEEN EVENT THAT UNINTENDED SEDIMENT OR COSTRUCTION ACTIONS OCCUR WITHIN THE KENTUCKY GLADE CRESS IMPACT SITE 1, THE US FISH & WILDLIFE SERVICE, FRANKFORT FIELD OFFICE (502-695-0468) WILL BE NOTIFIED AND THE RESIDENT ENGINEER WILL HALT THE CONTRIBUTING ACTIVITY UNTIL APPROPRIATE REMEDIAL ACTIONS HAVE BEEN IMPLEMENTED. THE KYTC DIVISION OF ENVIRONMENTAL ANALYSIS (DAVE HARMON; 502-782-5016) SHALL ALSO BE NOTIFIED.

Source: World Imagery - Esri and the GIS User Community (2012); Project design provided by the Kentucky Transportation Cabinet.



Legend

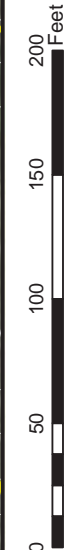
- Kentucky Glade Cress Location
- Approximate Site 1 Drainage Area (0.11 acre)
- Project Corridor
- Proposed Limits of Disturbance
- Proposed Overpass
- Proposed Roadway
- Proposed Drain
- Relocated Overhead Line/Pole
- Relocated Gas Line
- Relocated Water Line
- Existing Utilities



KENTUCKY HIGHWAY 61
REALIGNMENT PROJECT
BULLITT COUNTY, KENTUCKY
KYTC ITEM NOS. 5-117.10 & 5-117.20
REVISED DATE: 06-23-15 | DRAWN BY: EDB/SRB



NOTE: HABITAT ASSESSMENT PERFORMED
BY REDWING ECOLOGICAL SERVICES, INC.
ON APRIL 1 AND 2, 2015.



KENTUCKY GLADE CRESS
SITE 1 DEVELOPMENT MAP
FIGURE 5

**SPECIAL NOTE FOR PAYMENT OF UTILITY RELOCATION PERFORMED
BY THE UTILITY OWNER**

The initial relocation estimates shown below are provided for informational purposes only. The contractor shall make their own determination of the cost of the relocation and other associated costs for each utility and include that in the corresponding bid item for Utility Relocation.

The Department will make payment for all work associated with utility relocation conducted by the utility owner with the contract unit lump sum price for Utility Relocation, which shall be full compensation for all labor, materials, equipment, coordination, and incidentals for relocation of the utility.

Bullitt County Schools - \$28,000.00

LG&E

- Electric - \$1,309,000.00
- Gas - \$3,515,000.00

Time Warner - \$48,502.60

Windstream - \$850,863.74

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Section: 0001 - PAVING - ALTERNATE 1 - ASPHALT

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	93,428.00	TON		\$	
0020	00013		LIME STABILIZED ROADBED	102,918.00	SQYD		\$	
0030	00014		LIME	1,947.00	TON		\$	
0040	00018		DRAINAGE BLANKET-TYPE II-ASPH	18,204.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	328.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	40.00	TON		\$	
0070	00212		CL2 ASPH BASE 1.00D PG64-22	13,150.00	TON		\$	
0080	00214		CL3 ASPH BASE 1.00D PG64-22	66,269.00	TON		\$	
0090	00301		CL2 ASPH SURF 0.38D PG64-22	4,616.00	TON		\$	
0100	00336		CL3 ASPH SURF 0.38A PG76-22	6,002.00	TON		\$	
0110	00358		ASPHALT CURING SEAL	104.00	TON		\$	
0120	00388		CL3 ASPH SURF 0.38B PG64-22	2,002.00	TON		\$	
0130	02702		SAND FOR BLOTTER	257.00	TON		\$	
0140	10203ND		PAVEMENT ADJUSTMENT (ASPHALT, 5-117.10)	1.00	LS	455,953.00	\$	\$455,953.00
0150	10203ND		PAVEMENT ADJUSTMENT (ASPHALT, 5-117.20)	1.00	LS	311,645.00	\$	\$311,645.00

Section: 0002 - PAVING - ALTERNATE 2 - CONCRETE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0160	00003		CRUSHED STONE BASE	79,386.00	TON		\$	
0170	00013		LIME STABILIZED ROADBED	102,918.00	SQYD		\$	
0180	00014		LIME	1,947.00	TON		\$	
0190	00018		DRAINAGE BLANKET-TYPE II-ASPH	16,542.00	TON		\$	
0200	00100		ASPHALT SEAL AGGREGATE	328.00	TON		\$	
0210	00103		ASPHALT SEAL COAT	40.00	TON		\$	
0220	00212		CL2 ASPH BASE 1.00D PG64-22	13,150.00	TON		\$	
0230	00214		CL3 ASPH BASE 1.00D PG64-22	1,500.00	TON		\$	
0240	00301		CL2 ASPH SURF 0.38D PG64-22	4,506.00	TON		\$	
0250	00336		CL3 ASPH SURF 0.38A PG76-22	650.00	TON		\$	
0260	00358		ASPHALT CURING SEAL	104.00	TON		\$	
0270	02073		JPC PAVEMENT-9 IN	113,177.00	SQYD		\$	
0280	02075		JPC PAVEMENT-6 IN	29,801.00	SQYD		\$	
0290	02702		SAND FOR BLOTTER	257.00	TON		\$	
0300	10203ND		PAVEMENT ADJUSTMENT (CONCRETE, 5-117.20)	1.00	LS	196,277.00	\$	\$196,277.00
0310	10203ND		PAVEMENT ADJUSTMENT (CONCRETE, 5-117.10)	1.00	LS	287,165.00	\$	\$287,165.00

Section: 0003 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0320	00078		CRUSHED AGGREGATE SIZE NO 2	28.60	TON		\$	
0330	01000		PERFORATED PIPE-4 IN	26,326.50	LF		\$	
0340	01010		NON-PERFORATED PIPE-4 IN	425.50	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM (5-117.20)	1.00	LS		\$	
0360	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM (5-117.10)	1.00	LS		\$	
0370	01020		PERF PIPE HEADWALL TY 1-4 IN	5.00	EACH		\$	
0380	01024		PERF PIPE HEADWALL TY 2-4 IN	1.00	EACH		\$	
0390	01028		PERF PIPE HEADWALL TY 3-4 IN	1.00	EACH		\$	
0400	01032		PERF PIPE HEADWALL TY 4-4 IN	13.00	EACH		\$	
0410	01310		REMOVE PIPE	2,664.00	LF		\$	
0420	01584		CAP DROP BOX INLET	1.00	EACH		\$	
0430	01706		REMOVE CATCH BASIN	27.00	EACH		\$	
0440	01740		CORED HOLE DRAINAGE BOX CON-4 IN	148.00	EACH		\$	
0450	01786		FILL AND CAP MANHOLE	6.00	EACH		\$	
0460	01787		REMOVE MANHOLE	5.00	EACH		\$	
0470	01792		ADJUST MANHOLE	13.00	EACH		\$	
0480	01810		STANDARD CURB AND GUTTER	7,871.00	LF		\$	
0490	01811		STANDARD CURB AND GUTTER MOD	5,409.00	LF		\$	
0500	01845		ISLAND INTEGRAL CURB	270.50	LF		\$	
0510	01875		STANDARD HEADER CURB	1,105.00	LF		\$	
0520	01897		ASPHALT WEDGE CURB	55.00	LF		\$	
0530	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	139.00	EACH		\$	
0540	01983		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL YELLOW	36.00	EACH		\$	
0550	01984		DELINEATOR FOR BARRIER - WHITE	48.00	EACH		\$	
0560	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	26.00	EACH		\$	
0570	01990		DELINEATOR FOR BARRIER WALL-B/W	5.00	EACH		\$	
0580	02003		RELOCATE TEMP CONC BARRIER	11,985.00	LF		\$	
0590	02014		BARRICADE-TYPE III	48.00	EACH		\$	
0600	02091		REMOVE PAVEMENT	1,715.10	SQYD		\$	
0610	02101		CEM CONC ENT PAVEMENT-8 IN	2,270.00	SQYD		\$	
0620	02159		TEMP DITCH	11,836.00	LF		\$	
0630	02160		CLEAN TEMP DITCH	5,918.00	LF		\$	
0640	02200		ROADWAY EXCAVATION	350,939.00	CUYD		\$	
0650	02223		GRANULAR EMBANKMENT	12,130.00	CUYD		\$	
0660	02242		WATER (FOR DUST CONTROL)	10.10	MGAL		\$	
0662	02259		FENCE-TEMP (ADDED: 11-2-15)	400.00	LF		\$	
0670	02262		FENCE-WOVEN WIRE TYPE 1	15,470.00	LF		\$	
0680	02351		GUARDRAIL-STEEL W BEAM-S FACE	10,156.50	LF		\$	
0690	02352		GUARDRAIL-STEEL W BEAM-D FACE	825.00	LF		\$	
0700	02360		GUARDRAIL TERMINAL SECTION NO 1	11.00	EACH		\$	
0710	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	12.00	EACH		\$	
0720	02365		CRASH CUSHION TYPE IX-A	6.00	EACH		\$	
0730	02367		GUARDRAIL END TREATMENT TYPE 1	12.00	EACH		\$	
0740	02369		GUARDRAIL END TREATMENT TYPE 2A	22.00	EACH		\$	
0750	02381		REMOVE GUARDRAIL	3,735.40	LF		\$	
0760	02383		REMOVE & RESET GUARDRAIL	523.00	LF		\$	

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0770	02387		GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	11.00	EACH		\$	
0780	02391		GUARDRAIL END TREATMENT TYPE 4A	1.00	EACH		\$	
0790	02397		TEMP GUARDRAIL	226.50	LF		\$	
0800	02429		RIGHT-OF-WAY MONUMENT TYPE 1	119.00	EACH		\$	
0810	02430		RIGHT-OF-WAY MONUMENT TYPE 1A	11.00	EACH		\$	
0820	02432		WITNESS POST	33.00	EACH		\$	
0830	02483		CHANNEL LINING CLASS II	5,411.00	TON		\$	
0840	02484		CHANNEL LINING CLASS III	5,380.00	TON		\$	
0850	02545		CLEARING AND GRUBBING (5-117.20 - APPROXIMATELY 56.745 ACRES)	1.00	LS		\$	
0860	02545		CLEARING AND GRUBBING (5-117.10: APPROXIMATELY 41.521 ACRES)	1.00	LS		\$	
0870	02555		CONCRETE-CLASS B	327.00	CUYD		\$	
0880	02562		TEMPORARY SIGNS	2,691.00	SQFT		\$	
0890	02585		EDGE KEY	264.20	LF		\$	
0900	02596		FABRIC-GEOTEXTILE TYPE I	13,854.00	SQYD		\$	
0910	02599		FABRIC-GEOTEXTILE TYPE IV	270,907.00	SQYD		\$	
0920	02625		REMOVE HEADWALL	17.00	EACH		\$	
0930	02650		MAINTAIN & CONTROL TRAFFIC (5-117.20)	1.00	LS		\$	
0940	02650		MAINTAIN & CONTROL TRAFFIC (5-117.10)	1.00	LS		\$	
0950	02651		DIVERSIONS (BY-PASS DETOURS) (5-117.20 - KY 61 CONNECTOR)	1.00	LS		\$	
0960	02651		DIVERSIONS (BY-PASS DETOURS) (5-117.20 - BECNEL LANE, STA. 0+152.999 @ MAINLINE 5+834.523)	1.00	LS		\$	
0970	02651		DIVERSIONS (BY-PASS DETOURS) (5-117.20 - HILLBROOK DRIVE, STA. 5+000.000 @ MAINLINE 6+170.000)	1.00	LS		\$	
0980	02651		DIVERSIONS (BY-PASS DETOURS) (5-117.10 - A: STA. 3+305.000, MAINLINE KY 61)	1.00	LS		\$	
0990	02651		DIVERSIONS (BY-PASS DETOURS) (5-117.10 - B: STA. 0+000.000, MAINLINE KY 61)	1.00	LS		\$	
1000	02651		DIVERSIONS (BY-PASS DETOURS) (5-117.10 - CRR DIVERSION, STA. 4+947.527, CORAL RIDGE ROAD)	1.00	LS		\$	
1010	02651		DIVERSIONS (BY-PASS DETOURS) (5-117.10 - NS DIVERSION STA. 0+000.000, NORTH SIDE AVENUE)	1.00	LS		\$	
1020	02651		DIVERSIONS (BY-PASS DETOURS) (5-117.10 - POINTE DIVERSION STA. 0+000.000, POINTE BOULEVARD)	1.00	LS		\$	
1030	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
1040	02676		MOBILIZATION FOR MILL & TEXT (5-117.10)	1.00	LS		\$	
1050	02677		ASPHALT PAVE MILLING & TEXTURING	442.00	TON		\$	
1060	02690		SAFELADING	227.00	CUYD		\$	
1070	02696		SHOULDER RUMBLE STRIPS-SAWED	34,933.00	LF		\$	
1080	02701		TEMP SILT FENCE	11,936.00	LF		\$	
1090	02703		SILT TRAP TYPE A	81.00	EACH		\$	
1100	02704		SILT TRAP TYPE B	81.00	EACH		\$	

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1110	02705		SILT TRAP TYPE C	81.00	EACH		\$	
1120	02706		CLEAN SILT TRAP TYPE A	162.00	EACH		\$	
1130	02707		CLEAN SILT TRAP TYPE B	162.00	EACH		\$	
1140	02708		CLEAN SILT TRAP TYPE C	162.00	EACH		\$	
1150	02720		SIDEWALK-4 IN CONCRETE	6,786.00	SQYD		\$	
1160	02726		STAKING (5-117.20)	1.00	LS		\$	
1170	02726		STAKING (5-117.10)	1.00	LS		\$	
1180	02731		REMOVE STRUCTURE (5-117.10 - CSX BRIDGE)	1.00	LS		\$	
1190	02731		REMOVE STRUCTURE (5-117.10 - CULVERT)	1.00	LS		\$	
1200	02775		ARROW PANEL	4.00	EACH		\$	
1210	02898		RELOCATE CRASH CUSHION	58.00	EACH		\$	
1220	03171		CONCRETE BARRIER WALL TYPE 9T	2,897.00	LF		\$	
1230	03225		TUBULAR MARKERS	198.00	EACH		\$	
1240	05950		EROSION CONTROL BLANKET	4,298.00	SQYD		\$	
1250	05952		TEMP MULCH	321,873.00	SQYD		\$	
1260	05953		TEMP SEEDING AND PROTECTION	241,384.00	SQYD		\$	
1270	05963		INITIAL FERTILIZER	92.00	TON		\$	
1280	05964		20-10-10 FERTILIZER	24.00	TON		\$	
1290	05985		SEEDING AND PROTECTION	413,596.00	SQYD		\$	
1300	05989		SPECIAL SEEDING CROWN VETCH	27,622.00	SQYD		\$	
1310	05992		AGRICULTURAL LIMESTONE	280.00	TON		\$	
1320	06510		PAVE STRIPING-TEMP PAINT-4 IN	127,152.00	LF		\$	
1330	06514		PAVE STRIPING-PERM PAINT-4 IN	156,942.00	LF		\$	
1340	06550		PAVE STRIPING-TEMP REM TAPE-W	32,457.00	LF		\$	
1350	06551		PAVE STRIPING-TEMP REM TAPE-Y	32,457.00	LF		\$	
1360	06565		PAVE MARKING-THERMO X-WALK-6 IN	843.00	LF		\$	
1370	06568		PAVE MARKING-THERMO STOP BAR-24IN	230.00	LF		\$	
1380	06569		PAVE MARKING-THERMO CROSS-HATCH	5,371.00	SQFT		\$	
1390	06574		PAVE MARKING-THERMO CURV ARROW	44.00	EACH		\$	
1400	06576		PAVE MARKING-THERMO ONLY	1.00	EACH		\$	
1410	06578		PAVE MARKING-THERMO MERGE ARROW	4.00	EACH		\$	
1420	06588		PAVEMENT MARKER TY IVA-BY TEMP	1,093.00	EACH		\$	
1430	08001		STRUCTURE EXCAVATION-COMMON	588.00	CUYD		\$	
1440	08002		STRUCTURE EXCAV-SOLID ROCK	53.00	CUYD		\$	
1450	08100		CONCRETE-CLASS A	8.30	CUYD		\$	
1460	08903		CRASH CUSHION TY VI CLASS BT TL3	11.00	EACH		\$	
1470	20000ES724		TREE	28.00	EACH		\$	
1480	20259ED		TEMPORARY MEDIAN CROSSOVER	4.00	EACH		\$	
1490	20424EC		CONNECT TO EXIST MANHOLE	1.00	EACH		\$	
1500	20914ED		ROLLED CURB AND GUTTER	146.00	LF		\$	
1510	21342ED		FORM LINER (COBBLESTONE)	2,671.00	SQFT		\$	
1520	23139EN		STRIPING REMOVAL	55,072.00	LF		\$	
1530	23158ES505		DETECTABLE WARNINGS	1,299.00	SQFT		\$	
1540	23274EN11F		TURF REINFORCEMENT MAT 1	28,797.00	SQYD		\$	
1550	24096EC		REMOVE AND RESET END TREATMENT	2.00	EACH		\$	
1560	24814EC		PIPELINE INSPECTION	11,762.00	LF		\$	

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Section: 0004 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1570	00440		ENTRANCE PIPE-15 IN	431.00	LF		\$	
1580	00441		ENTRANCE PIPE-18 IN	136.00	LF		\$	
1590	00443		ENTRANCE PIPE-24 IN	118.00	LF		\$	
1600	00461		CULVERT PIPE-15 IN	52.00	LF		\$	
1610	00462		CULVERT PIPE-18 IN	976.00	LF		\$	
1620	00464		CULVERT PIPE-24 IN	171.00	LF		\$	
1630	00466		CULVERT PIPE-30 IN	404.00	LF		\$	
1640	00468		CULVERT PIPE-36 IN	133.00	LF		\$	
1650	00469		CULVERT PIPE-42 IN	230.00	LF		\$	
1660	00470		CULVERT PIPE-48 IN	149.00	LF		\$	
1670	00498		CULVERT PIPE-42 IN EQUIV	41.00	LF		\$	
1680	00500		CULVERT PIPE-54 IN EQUIV	46.00	LF		\$	
1690	00521		STORM SEWER PIPE-15 IN	6,440.00	LF		\$	
1700	00522		STORM SEWER PIPE-18 IN	2,768.00	LF		\$	
1710	00524		STORM SEWER PIPE-24 IN	3,537.00	LF		\$	
1720	00525		STORM SEWER PIPE-27 IN	115.00	LF		\$	
1730	00526		STORM SEWER PIPE-30 IN	1,064.00	LF		\$	
1740	00528		STORM SEWER PIPE-36 IN	265.00	LF		\$	
1750	00530		STORM SEWER PIPE-48 IN	128.00	LF		\$	
1760	00556		STORM SEWER PIPE-30 IN EQUIV	3,644.00	LF		\$	
1770	00560		STORM SEWER PIPE-48 IN EQUIV	118.00	LF		\$	
1780	01204		PIPE CULVERT HEADWALL-18 IN	6.00	EACH		\$	
1790	01204		PIPE CULVERT HEADWALL-18 IN	3.00	EACH		\$	
1800	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
1810	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
1820	01212		PIPE CULVERT HEADWALL-36 IN	1.00	EACH		\$	
1830	01214		PIPE CULVERT HEADWALL-42 IN	3.00	EACH		\$	
1840	01215		PIPE CULVERT HEADWALL-42 IN EQUIV	1.00	EACH		\$	
1850	01216		PIPE CULVERT HEADWALL-48 IN	4.00	EACH		\$	
1860	01374		METAL END SECTION TY 1-30 IN	1.00	EACH		\$	
1870	01390		METAL END SECTION TY 3-15 IN	28.00	EACH		\$	
1880	01391		METAL END SECTION TY 3-18 IN	22.00	EACH		\$	
1890	01393		METAL END SECTION TY 3-24 IN	9.00	EACH		\$	
1900	01394		METAL END SECTION TY 3-30 IN	6.00	EACH		\$	
1910	01395		METAL END SECTION TY 3-36 IN	5.00	EACH		\$	
1920	01396		METAL END SECTION TY 3-42 IN	1.00	EACH		\$	
1930	01397		METAL END SECTION TY 3-48 IN	1.00	EACH		\$	
1940	01456		CURB BOX INLET TYPE A	127.00	EACH		\$	
1950	01480		CURB BOX INLET TYPE B	13.00	EACH		\$	
1960	01487		CURB BOX INLET TYPE F	3.00	EACH		\$	
1970	01490		DROP BOX INLET TYPE 1	7.00	EACH		\$	
1980	01496		DROP BOX INLET TYPE 3	10.00	EACH		\$	
1990	01499		DROP BOX INLET TYPE 4	3.00	EACH		\$	
2000	01514		DROP BOX INLET TYPE 5E	1.00	EACH		\$	
2010	01517		DROP BOX INLET TYPE 5F	13.00	EACH		\$	
2020	01538		DROP BOX INLET TYPE 7	3.00	EACH		\$	
2030	01544		DROP BOX INLET TYPE 11	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2040	01559		DROP BOX INLET TYPE 13G	11.00	EACH		\$	
2050	01568		DROP BOX INLET TYPE 13S	2.00	EACH		\$	
2060	01577		DROP BOX INLET TYPE 14	2.00	EACH		\$	
2070	01585		REMOVE DROP BOX INLET	1.00	EACH		\$	
2080	01641		JUNCTION BOX-15 IN	1.00	EACH		\$	
2090	01642		JUNCTION BOX-18 IN	1.00	EACH		\$	
2100	01643		JUNCTION BOX-24 IN	2.00	EACH		\$	
2110	01645		JUNCTION BOX-36 IN	2.00	EACH		\$	
2120	01767		MANHOLE TYPE C	3.00	EACH		\$	
2130	01789		RECONSTRUCT MANHOLE	1.00	EACH		\$	
2140	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	33,460.00	SQYD	\$2.00	\$	\$66,920.00
2150	21880NN		METAL END SECTION TY 3-42 IN EQUIV	1.00	EACH		\$	
2160	23048NN		METAL END SECTION TY 3-54 IN EQ	2.00	EACH		\$	

Section: 0005 - BRIDGE - CSX RR, DWG. 24693

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2170	02231		STRUCTURE GRANULAR BACKFILL	944.00	CUYD		\$	
2180	02998		MASONRY COATING	4,613.00	SQYD		\$	
2190	03299		ARMORED EDGE FOR CONCRETE	453.00	LF		\$	
2200	08002		STRUCTURE EXCAV-SOLID ROCK	3,083.00	CUYD		\$	
2210	08003		FOUNDATION PREPARATION (5-117.10 - CSX BRIDGE)	1.00	LS		\$	
2220	08033		TEST PILES	43.00	LF		\$	
2230	08039		PRE-DRILLING FOR PILES	164.00	LF		\$	
2240	08046		PILES-STEEL HP12X53	1,040.00	LF		\$	
2250	08094		PILE POINTS-12 IN	67.00	EACH		\$	
2260	08100		CONCRETE-CLASS A	1,696.00	CUYD		\$	
2270	08104		CONCRETE-CLASS AA	1,297.70	CUYD		\$	
2280	08150		STEEL REINFORCEMENT	280,575.00	LB		\$	
2290	08151		STEEL REINFORCEMENT-EPOXY COATED	344,535.00	LB		\$	
2300	08635		PRECAST PC I BEAM TYPE 6	4,282.10	LF		\$	
2310	21532ED		RAIL SYSTEM TYPE III	1,472.00	LF		\$	
2320	23964EC		PROTECTIVE FENCE	1,472.00	LF		\$	

Section: 0006 - BRIDGE - I-65 - DWG. 24691

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2330	02231		STRUCTURE GRANULAR BACKFILL	914.00	CUYD		\$	
2340	02731		REMOVE STRUCTURE (5-117.20 - REMOVE EXISTING RETAINING WALL)	1.00	LS		\$	
2350	02998		MASONRY COATING	1,243.00	SQYD		\$	
2360	03299		ARMORED EDGE FOR CONCRETE	102.70	LF		\$	
2370	08002		STRUCTURE EXCAV-SOLID ROCK	75.00	CUYD		\$	
2380	08003		FOUNDATION PREPARATION (5-117.20 - I-65 BRIDGE)	1.00	LS		\$	
2390	08018		RETAINING WALL	4,112.00	SQFT		\$	
2400	08033		TEST PILES	59.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2410	08046		PILES-STEEL HP12X53	679.10	LF		\$	
2420	08094		PILE POINTS-12 IN	30.00	EACH		\$	
2430	08100		CONCRETE-CLASS A	132.70	CUYD		\$	
2440	08104		CONCRETE-CLASS AA	441.20	CUYD		\$	
2450	08150		STEEL REINFORCEMENT	25,686.00	LB		\$	
2460	08151		STEEL REINFORCEMENT-EPOXY COATED	100,257.00	LB		\$	
2470	08269		ELECTRICAL CONDUIT (3 INCH) (REVISED: 11-2-15)	1.00	LS		\$	
2471	08269		ELECTRICAL CONDUIT (4 INCH) (ADDED: 11-2-15)	1.00	LS		\$	
2472	08269		ELECTRICAL CONDUIT (TEMPORARY) (ADDED: 11-2-15)	1.00	LS		\$	
2480	08635		PRECAST PC I BEAM TYPE 6	1,262.50	LF		\$	
2490	21532ED		RAIL SYSTEM TYPE III	511.50	LF		\$	

Section: 0007 - BRIDGE - CULVERT - SINGLE RCBC 8' X 3 ' DWG. 24614

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2500	08003		FOUNDATION PREPARATION (5-117.10 - CULVERT, 24614)	1.00	LS		\$	
2510	08100		CONCRETE-CLASS A	83.80	CUYD		\$	
2520	08150		STEEL REINFORCEMENT	12,082.00	LB		\$	

Section: 0008 - BRIDGE - BLUE LICK CREEK - DWG. 24695

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2530	02231		STRUCTURE GRANULAR BACKFILL	156.00	CUYD		\$	
2540	02596		FABRIC-GEOTEXTILE TYPE I	2,846.00	SQYD		\$	
2550	02998		MASONRY COATING	5,555.00	SQYD		\$	
2560	03299		ARMORED EDGE FOR CONCRETE	170.00	LF		\$	
2570	08002		STRUCTURE EXCAV-SOLID ROCK	128.00	CUYD		\$	
2580	08003		FOUNDATION PREPARATION (5-117.20 - BLUE LICK CREEK)	1.00	LS		\$	
2590	08019		CYCLOPEAN STONE RIP RAP	2,816.00	TON		\$	
2600	08033		TEST PILES	207.00	LF		\$	
2610	08046		PILES-STEEL HP12X53	2,965.00	LF		\$	
2620	08094		PILE POINTS-12 IN	114.00	EACH		\$	
2630	08100		CONCRETE-CLASS A	476.90	CUYD		\$	
2640	08104		CONCRETE-CLASS AA	589.90	CUYD		\$	
2650	08150		STEEL REINFORCEMENT	76,519.00	LB		\$	
2660	08151		STEEL REINFORCEMENT-EPOXY COATED	131,960.00	LB		\$	
2670	08633		PRECAST PC I BEAM TYPE 3	1,697.50	LF		\$	
2680	21532ED		RAIL SYSTEM TYPE III	691.30	LF		\$	

Section: 0009 - BRIDGE - CULVERT - DWG. 24615

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2690	08002		STRUCTURE EXCAV-SOLID ROCK	233.10	CUYD		\$	
2700	08003		FOUNDATION PREPARATION (5-117.20 - CULVERT 24615)	1.00	LS		\$	
2710	08100		CONCRETE-CLASS A	218.60	CUYD		\$	
2720	08150		STEEL REINFORCEMENT	19,809.00	LB		\$	

Section: 0010 - UTILITY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2730	01069		STEEL ENCASEMENT PIPE-12 IN (300MM, OPEN CUT-WINDSTREAM: BLUE LICK ROAD)	70.00	LF		\$	
2740	24725EC		UTILITY RELOCATION (LG&E-ELECTRIC, 5-117.10)	1.00	LS		\$	
2750	24725EC		UTILITY RELOCATION (LG&E-GAS, 5-117.10)	1.00	LS		\$	
2760	24725EC		UTILITY RELOCATION (LG&E-ELECTRIC, 5-117.20)	1.00	LS		\$	
2770	24725EC		UTILITY RELOCATION (WINDSTREAM, 5-117.10)	1.00	LS		\$	
2780	24725EC		UTILITY RELOCATION (LG&E-GAS, 5-117.20)	1.00	LS		\$	
2790	24725EC		UTILITY RELOCATION (TIME WARNER CABLE, 5-117.10)	1.00	LS		\$	
2800	24725EC		UTILITY RELOCATION (TIME WARNER CABLE, 5-117.20)	1.00	LS		\$	
2810	24725EC		UTILITY RELOCATION (5-117.10 - BULLITT CO. SCHOOLS)	1.00	LS		\$	
2820	24725EC		UTILITY RELOCATION (WINDSTREAM, 5-117.20)	1.00	LS		\$	

Section: 0011 - SEWER

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2830	01055		SEWER PIPE-15 IN (PVC, GRAVITY, OPEN CUT)	334.00	LF		\$	
2840	21382ND		CUT AND PLUG-8 IN (PVC)	2.00	EACH		\$	
2850	22986NN		TIE NEW 15 IN PVC SEWER TO EXIST MANHOLE	2.00	EACH		\$	

Section: 0012 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2860	06406		SBM ALUM SHEET SIGNS .080 IN	790.00	SQFT		\$	
2870	06407		SBM ALUM SHEET SIGNS .125 IN	120.00	SQFT		\$	
2880	06410		STEEL POST TYPE 1	1,624.00	LF		\$	
2890	06412		STEEL POST MILE MARKERS	8.00	EACH		\$	
2900	20418ED		REMOVE & RELOCATE SIGNS	1.00	EACH		\$	
2910	24631EC		BARCODE SIGN INVENTORY	165.00	EACH		\$	

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Section: 0013 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2920	04792		CONDUIT-1 IN	70.00	LF		\$	
2930	04793		CONDUIT-1 1/4 IN	230.00	LF		\$	
2940	04795		CONDUIT-2 IN	160.00	LF		\$	
2950	04811		ELECTRICAL JUNCTION BOX TYPE B	5.00	EACH		\$	
2960	04820		TRENCHING AND BACKFILLING	460.00	LF		\$	
2970	04830		LOOP WIRE	3,743.00	LF		\$	
2980	04844		CABLE-NO. 14/5C	3,466.00	LF		\$	
2990	04850		CABLE-NO. 14/1 PAIR	2,288.00	LF		\$	
3000	04885		MESSENGER-10800 LB	900.00	LF		\$	
3010	04895		LOOP SAW SLOT AND FILL	1,436.00	LF		\$	
3020	04931		INSTALL CONTROLLER TYPE 170	2.00	EACH		\$	
3030	04932		INSTALL STEEL STRAIN POLE	8.00	EACH		\$	
3040	04950		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	
3050	20093NS835		INSTALL PEDESTRIAN HEAD-LED	12.00	EACH		\$	
3060	20094ES835		TEMP RELOCATION OF SIGNAL HEAD	38.00	EACH		\$	
3070	20188NS835		INSTALL LED SIGNAL-3 SECTION	19.00	EACH		\$	
3080	21743NN		INSTALL PEDESTRIAN DETECTOR	12.00	EACH		\$	
3090	23157EN		TRAFFIC SIGNAL POLE BASE	35.00	CUYD		\$	
3100	23222EC		INSTALL SIGNAL PEDESTAL	4.00	EACH		\$	
3110	23982EC		INSTALL ANTENNA	2.00	EACH		\$	

Section: 0014 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3120	14002		W AIR RELEASE VALVE SPECIAL	4.00	EACH		\$	
3130	14009		W ENCASMENT STEEL BORED RANGE 4	23.00	LF		\$	
3140	14010		W ENCASMENT STEEL BORED RANGE 5	276.00	LF		\$	
3150	14017		W ENCASMENT STEEL OPEN CUT RANGE 6	341.00	LF		\$	
3160	14019		W FIRE HYDRANT ASSEMBLY	2.00	EACH		\$	
3170	14020		W FIRE HYDRANT RELOCATE	14.00	EACH		\$	
3180	14030		W METER RELOCATE	54.00	EACH		\$	
3190	14036		W PIPE DUCTILE IRON 06 INCH (150 MM)	296.00	LF		\$	
3200	14037		W PIPE DUCTILE IRON 08 INCH (200 MM)	125.00	LF		\$	
3210	14039		W PIPE DUCTILE IRON 12 INCH (300 MM)	8,583.00	LF		\$	
3220	14040		W PIPE DUCTILE IRON 16 INCH (400 MM)	1,939.00	LF		\$	
3230	14042		W PIPE DUCTILE IRON 24 INCH (600 MM)	9,915.00	LF		\$	
3240	14055		W PIPE DUCTILE IRON SPECIAL (600 MM)	394.00	LF		\$	
3250	14074		W PLUG EXISTING MAIN	31.00	EACH		\$	
3260	14081		W SERVICE RELOCATE	55.00	EACH		\$	
3270	14084		W SERV PE/PLST SHORT SIDE 2 IN	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3280	14094		W TIE-IN 06 INCH (150 MM)	5.00	EACH		\$	
3290	14095		W TIE-IN 08 INCH (200 MM)	3.00	EACH		\$	
3300	14097		W TIE-IN 12 INCH (300 MM)	11.00	EACH		\$	
3310	14098		W TIE-IN 16 INCH (400 MM)	2.00	EACH		\$	
3320	14098		W TIE-IN 16 INCH (400 MM)	10.00	EACH		\$	
3330	14100		W TIE-IN 24 INCH (600 MM)	1.00	EACH		\$	
3340	14105		W VALVE 06 INCH (150 MM)	6.00	EACH		\$	
3350	14106		W VALVE 08 INCH (200 MM)	3.00	EACH		\$	
3360	14108		W VALVE 12 INCH (300 MM)	22.00	EACH		\$	
3370	14109		W VALVE 16 INCH (400 MM)	6.00	EACH		\$	
3380	14111		W VALVE 24 INCH (600 MM, MJ GATE)	12.00	EACH		\$	
3390	14139		W PRESSURE REDUCING VALVE 16 INCH (400 MM)	1.00	EACH		\$	

Section: 0015 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3400	02568		MOBILIZATION	1.00	LS		\$	
3410	02569		DEMOBILIZATION	1.00	LS		\$	