



**COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET**
Frankfort, Kentucky 40622
www.transportation.ky.gov/

Matthew G. Bevin
Governor

Greg Thomas
Secretary

July 19, 2016

CALL NO. 102
CONTRACT ID NO. 161245
ADDENDUM # 2

Subject: Jefferson County, NHPP IM 2653 (039)
Letting July 29, 2016

- (1) Revised - Plans - R2, R2B, R2E, R2F, R7, R9, T001
- (2) Added - Note - Page 35(a) of 211
- (3) Revised - Bid Items - Pages 208-211 of 211

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

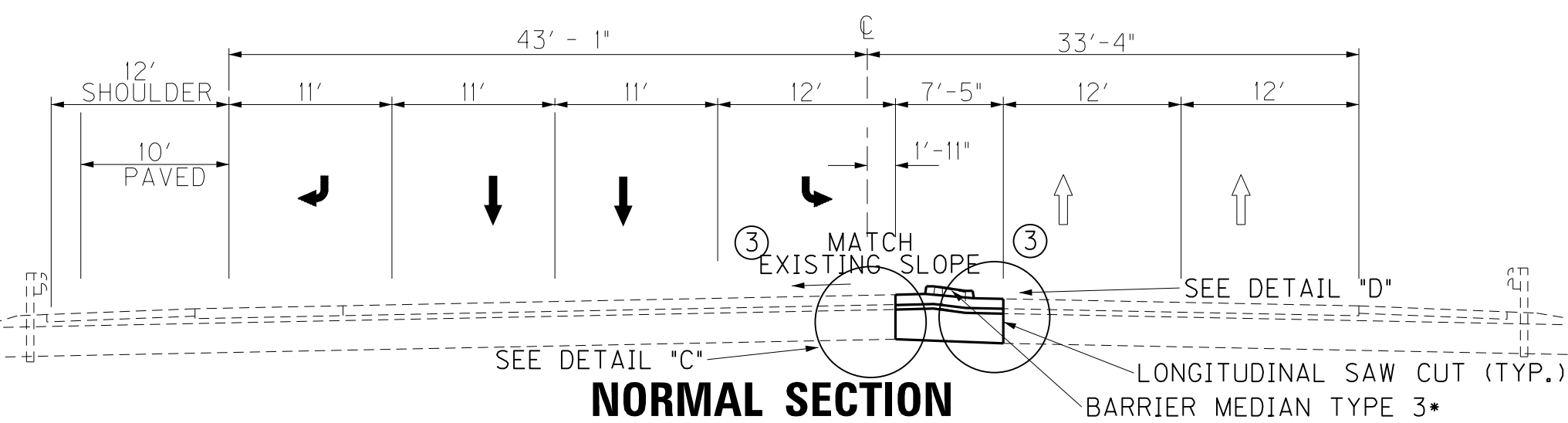
RM:ks
Enclosures



An Equal Opportunity Employer M/F/D

REVISED 7/18/16

TYPICAL SECTIONS OLD HENRY ROAD KY 3084



NORMAL SECTION
134 + 17.49-136 + 50.00

• BARRIER MEDIAN TYPE 3 CONSTRUCTION BEGINS AT STA. 134+30.43

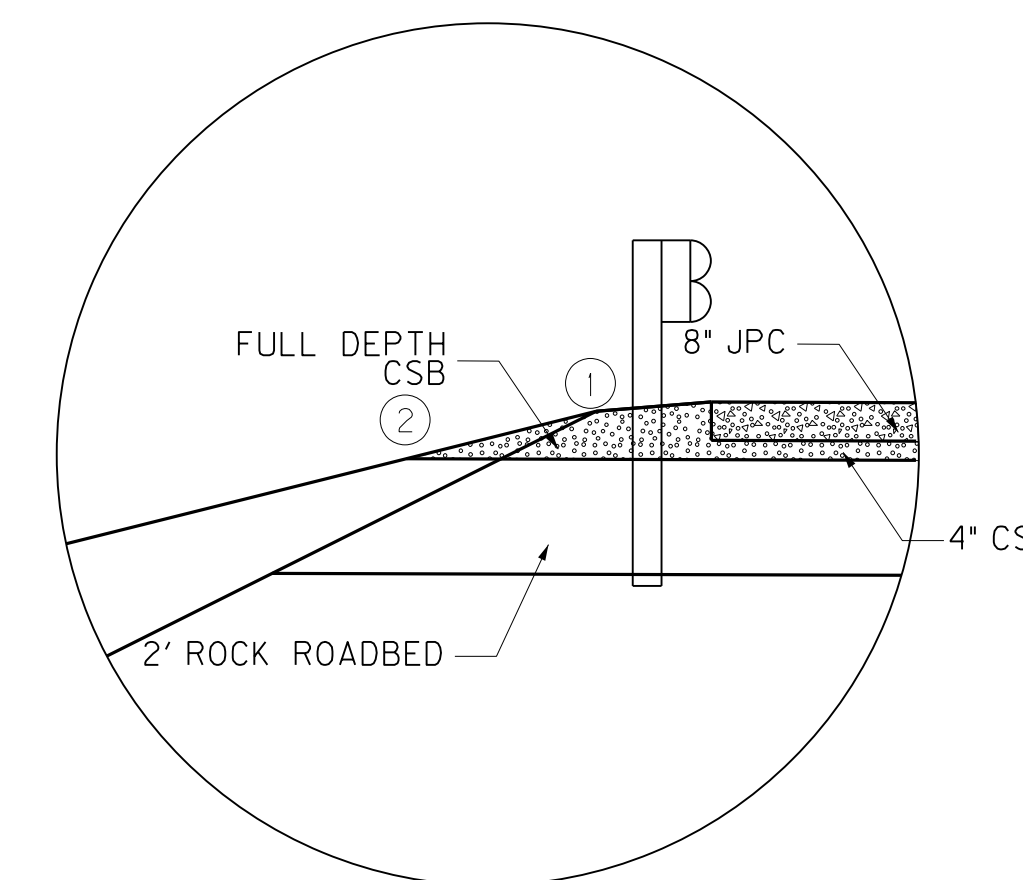
NEW CONSTRUCTION
GRADE, DRAIN & SURFACING
- USING -

TRAVEL LANE PAVEMENT

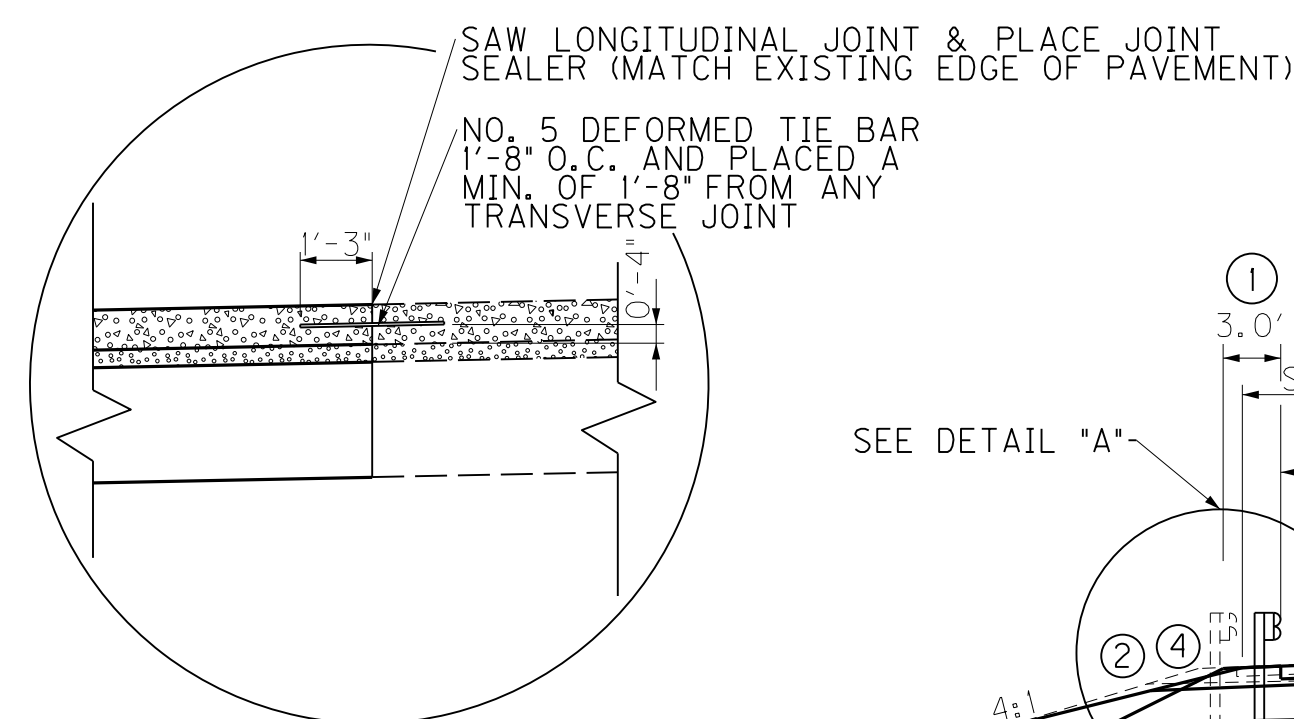
- ROADBED — 2' ROCK ROADBED
- BASE — 4" CRUSHED STONE BASE
- SURFACE — 8" JPC PAVEMENT

SHOULDERS

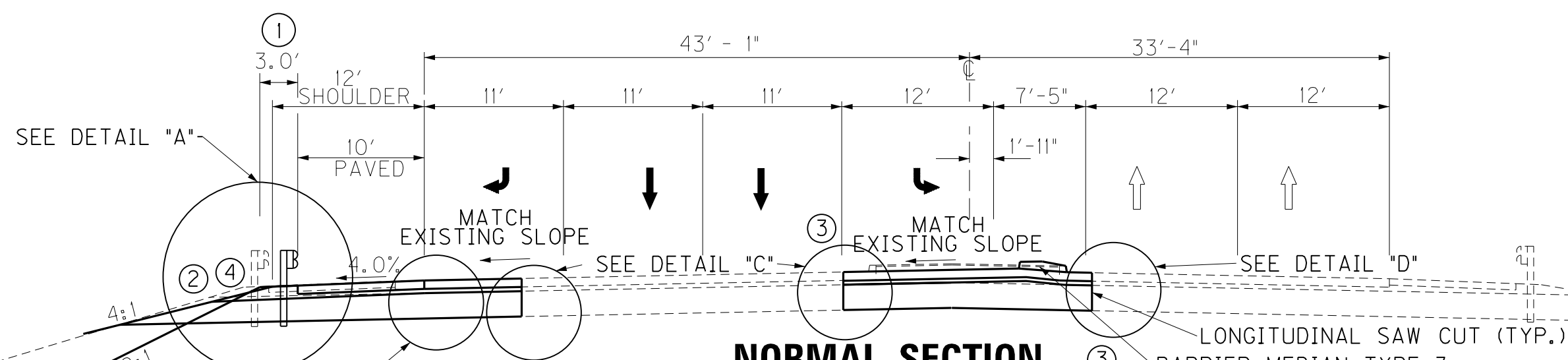
- ROADBED — 2' ROCK ROADBED
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- SURFACE — 8" JPC PAVEMENT



DETAIL "A"



DETAIL "C"



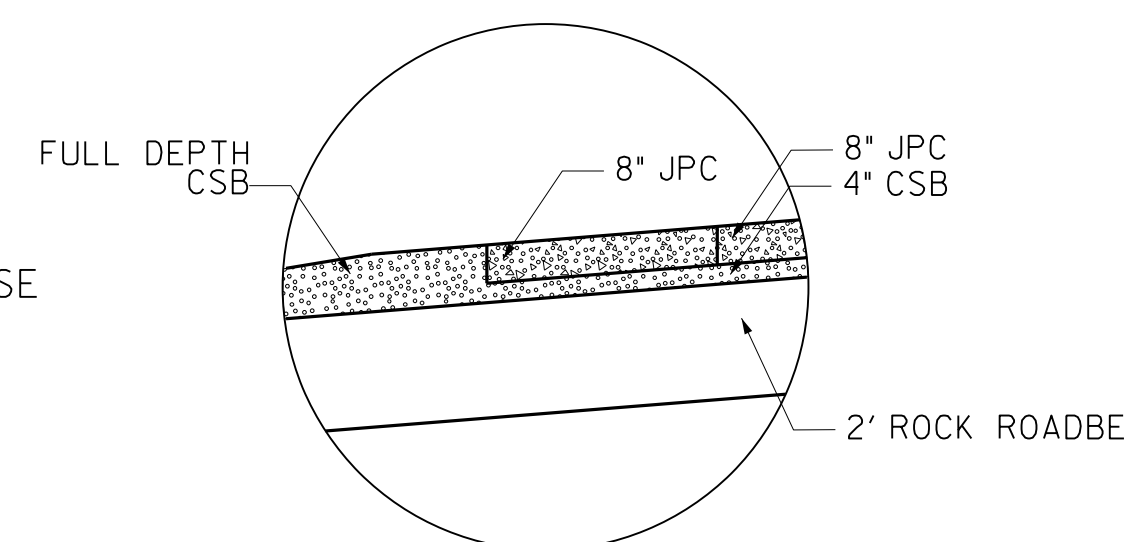
NORMAL SECTION
136 + 50.00-138 + 45.43

TRAVEL LANE PAVEMENT

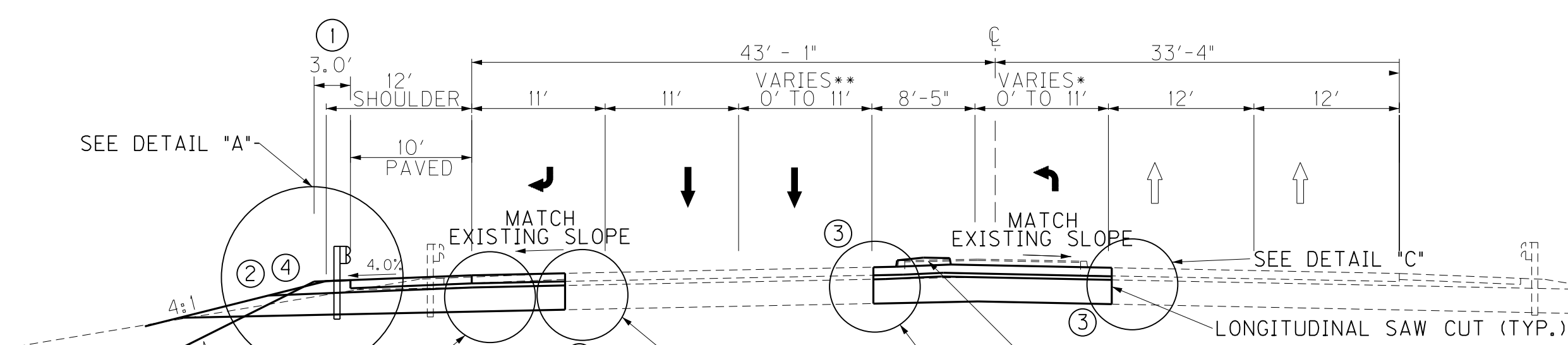
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SHOULDERS

- ROADBED — 2' ROCK ROADBED
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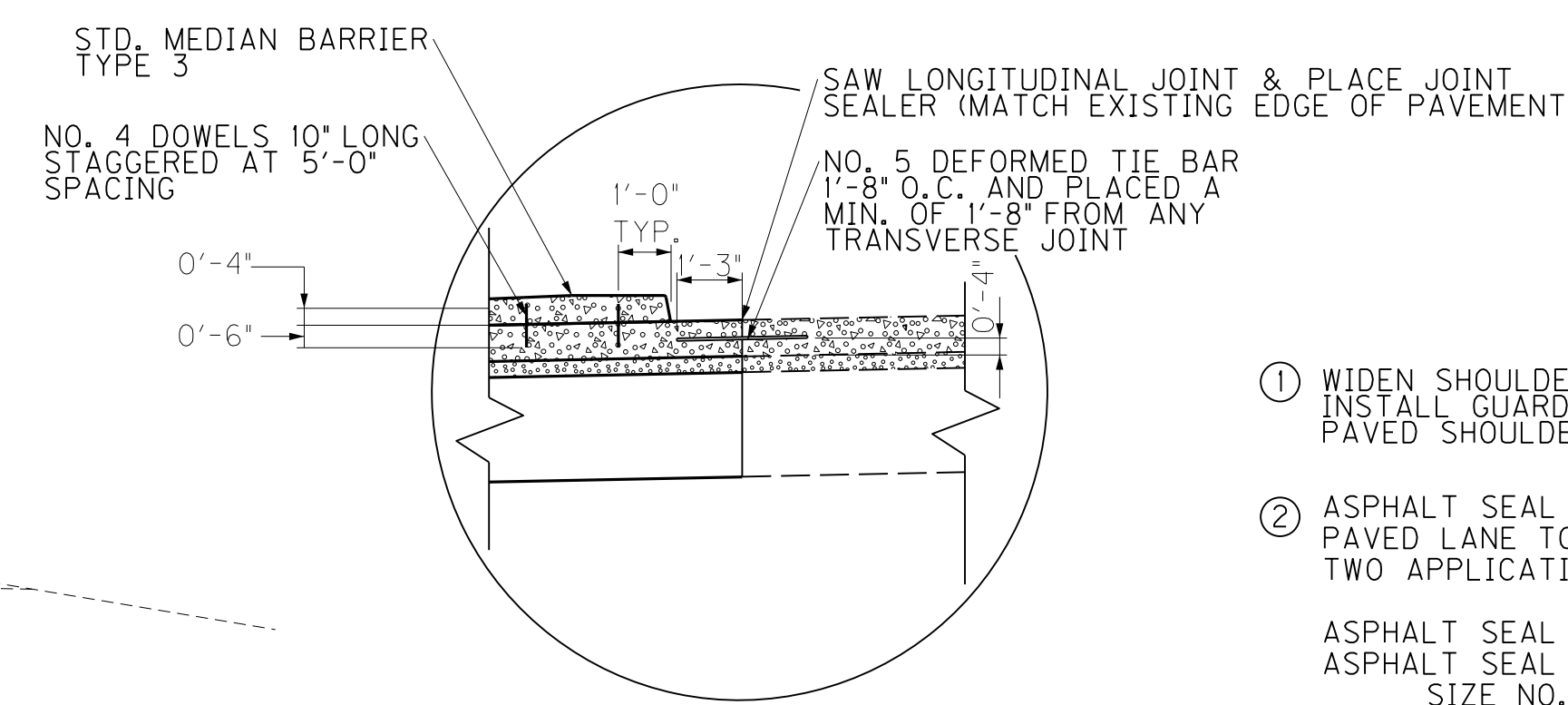


DETAIL "B"



NORMAL SECTION
138 + 45.43-142 + 04.93

• TRANSITION FROM 0' AT 138+45.48 TO 11' AT STA. 139+45.42
•• WB LEFT TURN LANE (NOT SHOWN) TRANSITIONS FROM 12' AT 138+45.43 TO 0' AT STA. 139+45.42



DETAIL "D"

- ① WIDEN SHOULDER 1' WHEN GUARDRAIL IS REQUIRED AND INSTALL GUARDRAIL WITH THE FACE FLUSH TO THE PAVED SHOULDER.
- ② ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED LANE TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING:
ASPHALT SEAL COAT (2.4 lbs./sq.yd.)
ASPHALT SEAL AGGREGATE (20 lbs./sq. yd.)
SIZE NO. 8 OR 9M
- ③ ALL LONGITUDINAL JOINTS SHALL BE SAW CUT AND MEET THE REQUIREMENTS OF STANDARD DRAWING RPS 010-10
- ④ SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDERS

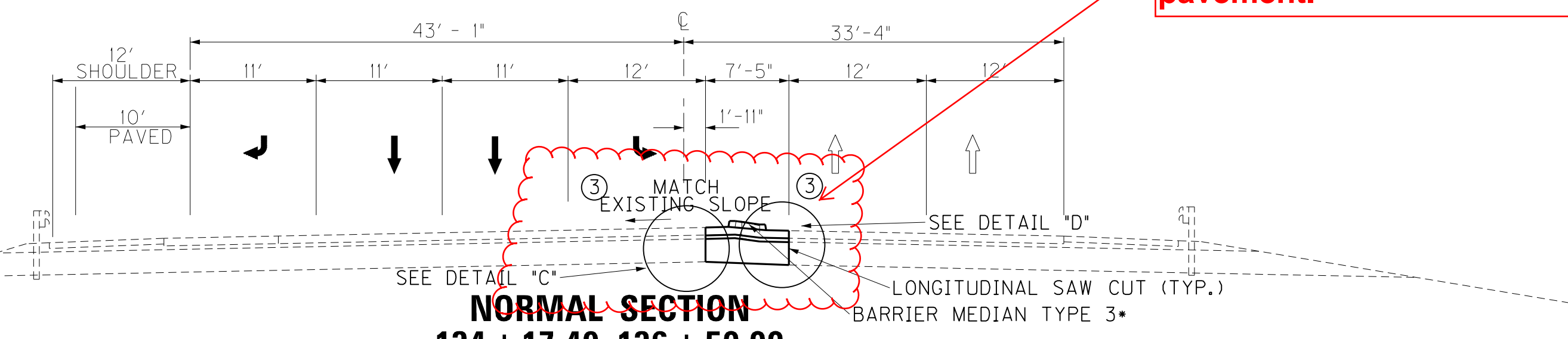
N.T.S.

TYPICAL SECTIONS
OLD HENRY ROAD (KY 3084)
AT I-265 INTERCHANGE

REVISED 7/18/16

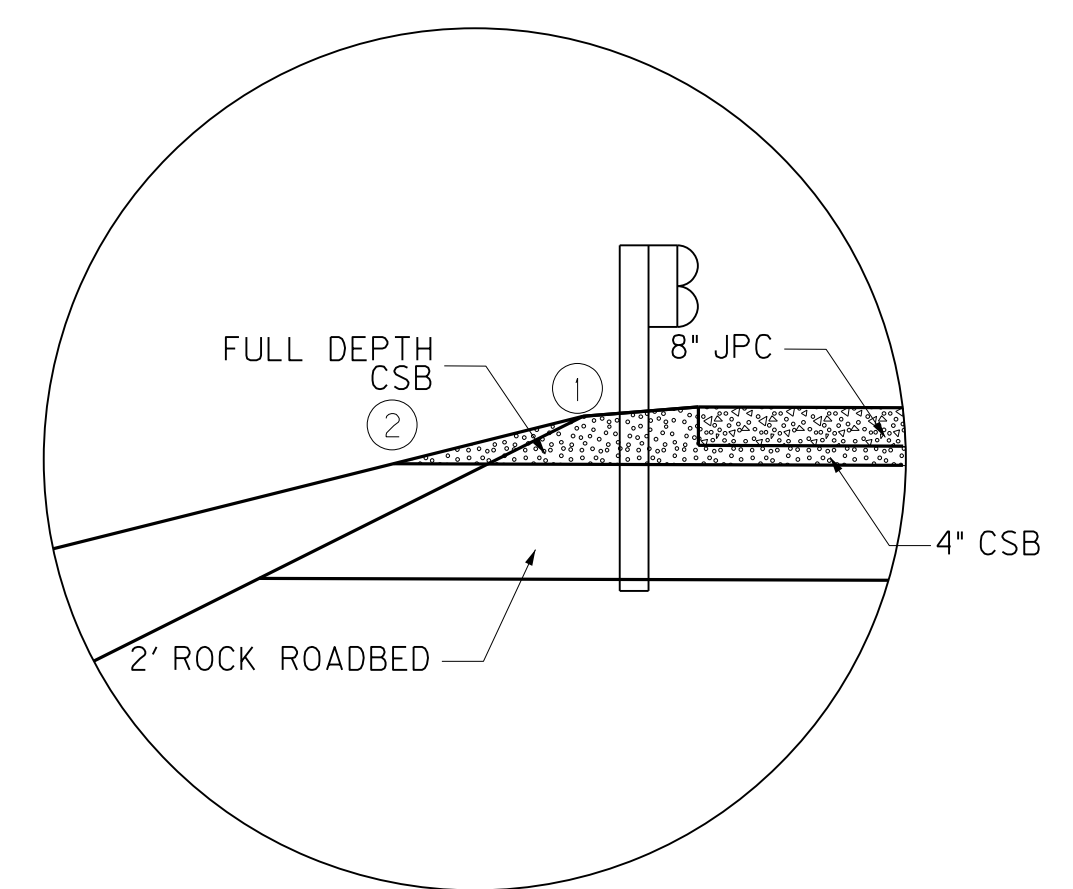
TYPICAL SECTIONS OLD HENRY ROAD KY 3084

Revised typical section to depict more appropriate width of new pavement.



NORMAL SECTION
134 + 17.49-136 + 50.00

• BARRIER MEDIAN TYPE 3 CONSTRUCTION BEGINS AT STA. 134+30.43



DETAIL "A"

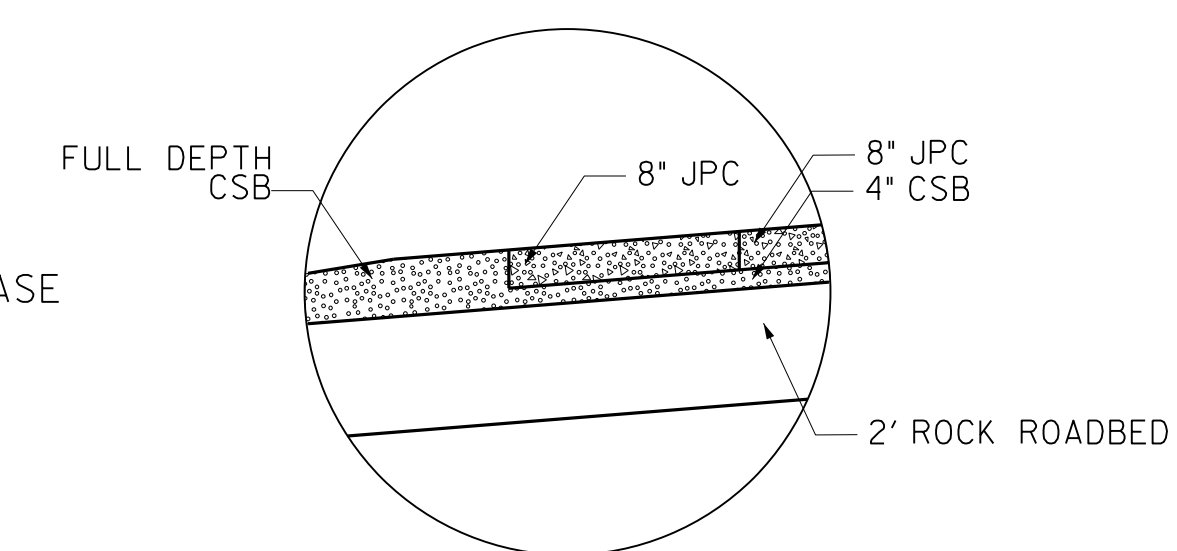
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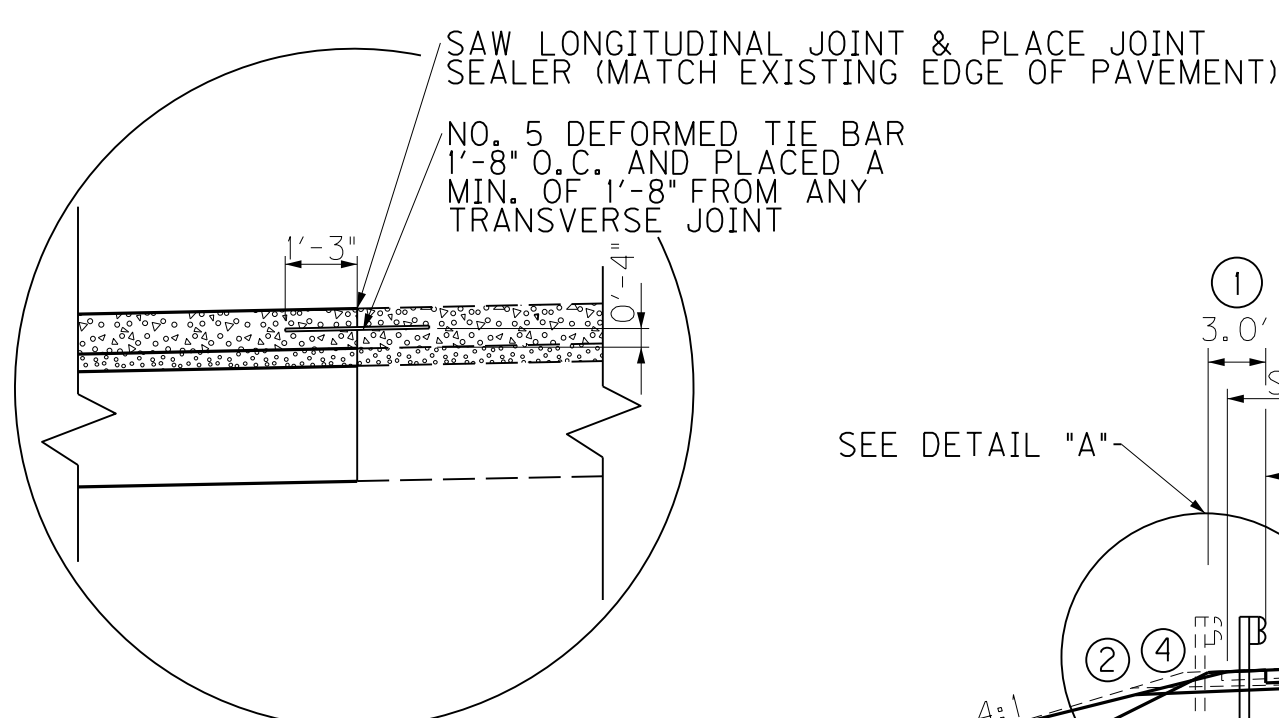
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SHOULDER

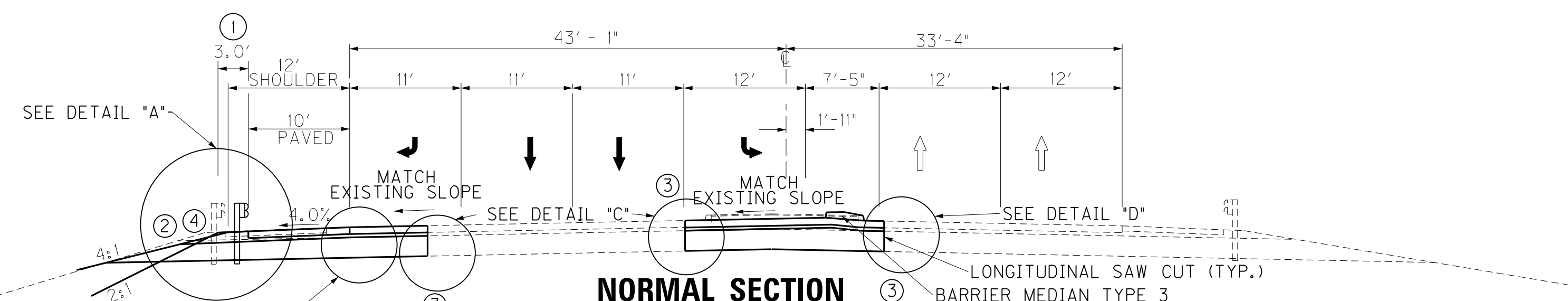
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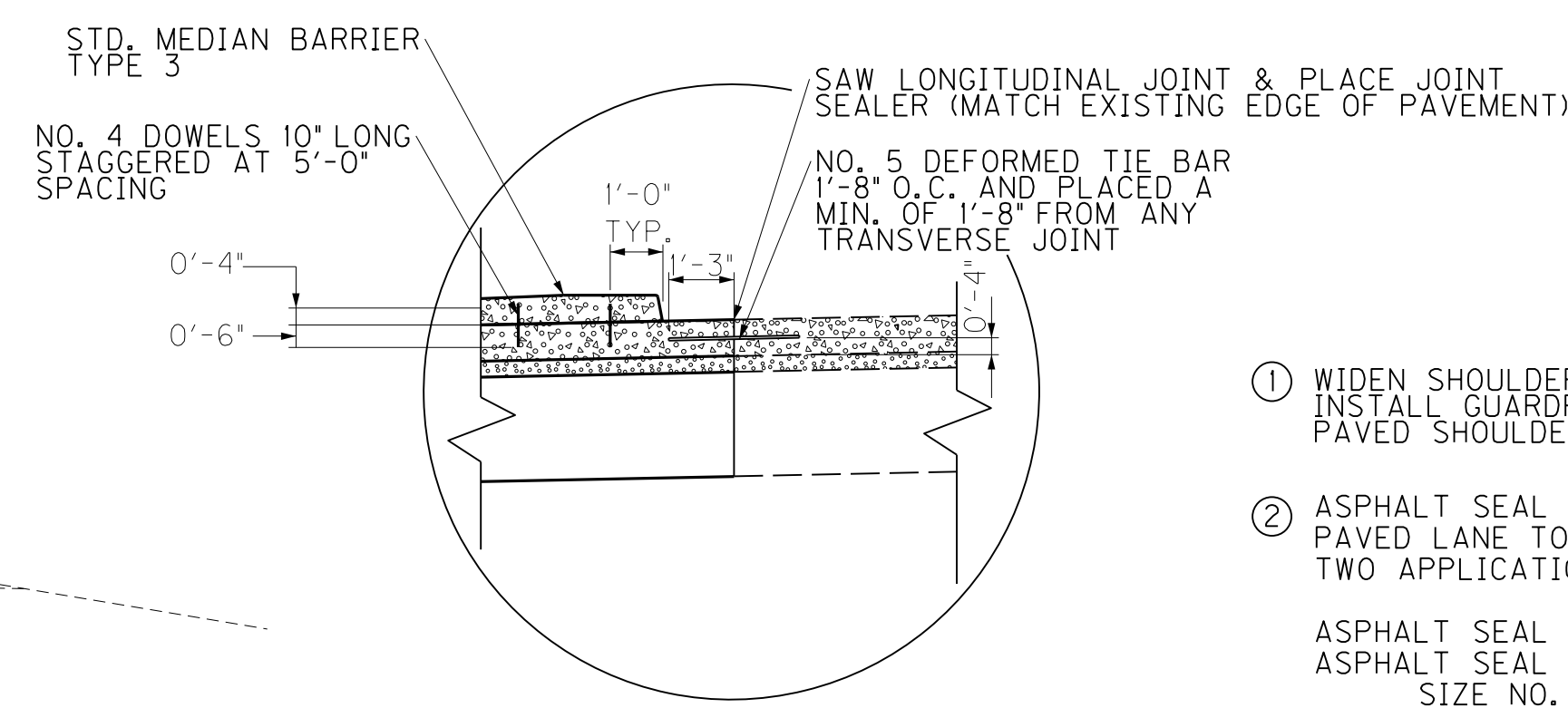
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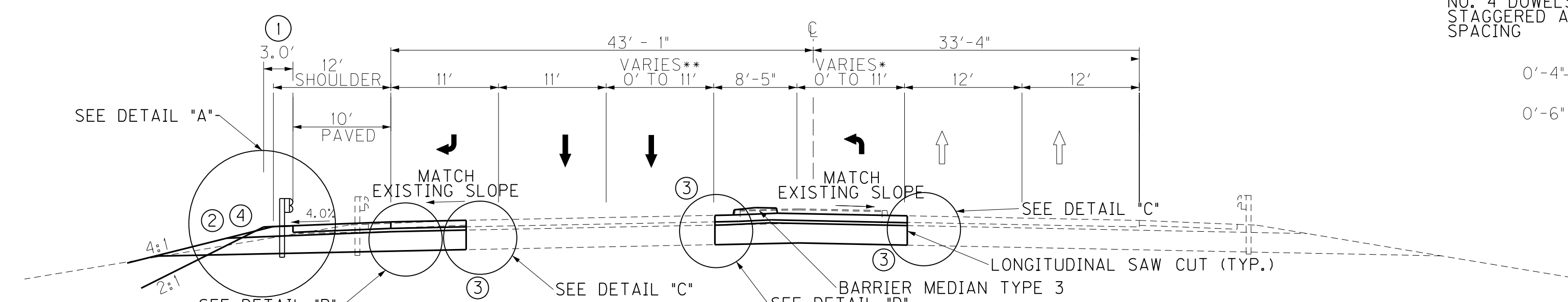
DETAIL "C"



NORMAL SECTION
136 + 50.00-138 + 45.43



DETAIL "D"



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MicroStation v8.11.7.443
 E-SHEET NAME: R00200TS
 USER: jlh11etion
 DATE PLOTTED: July 18, 2016

N.T.S.

TYPICAL SECTIONS
OLD HENRY ROAD (KY 3084)
AT I-265 INTERCHANGE

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-474.00	R2B

REVISED 7/13/2016

TYPICAL SECTIONS OLD HENRY ROAD KY 3084

NEW CONSTRUCTION
GRADE, DRAIN & SURFACING
- USING -

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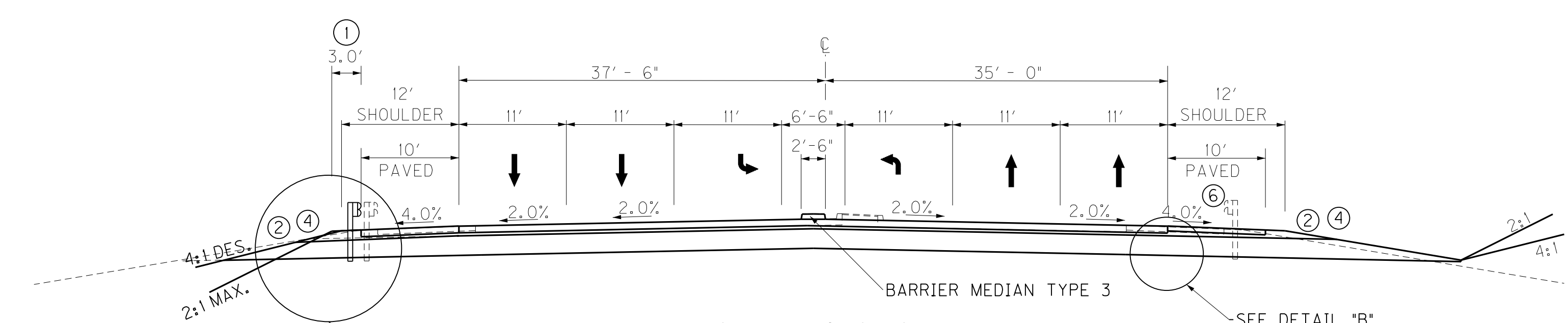
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SHOULDERS

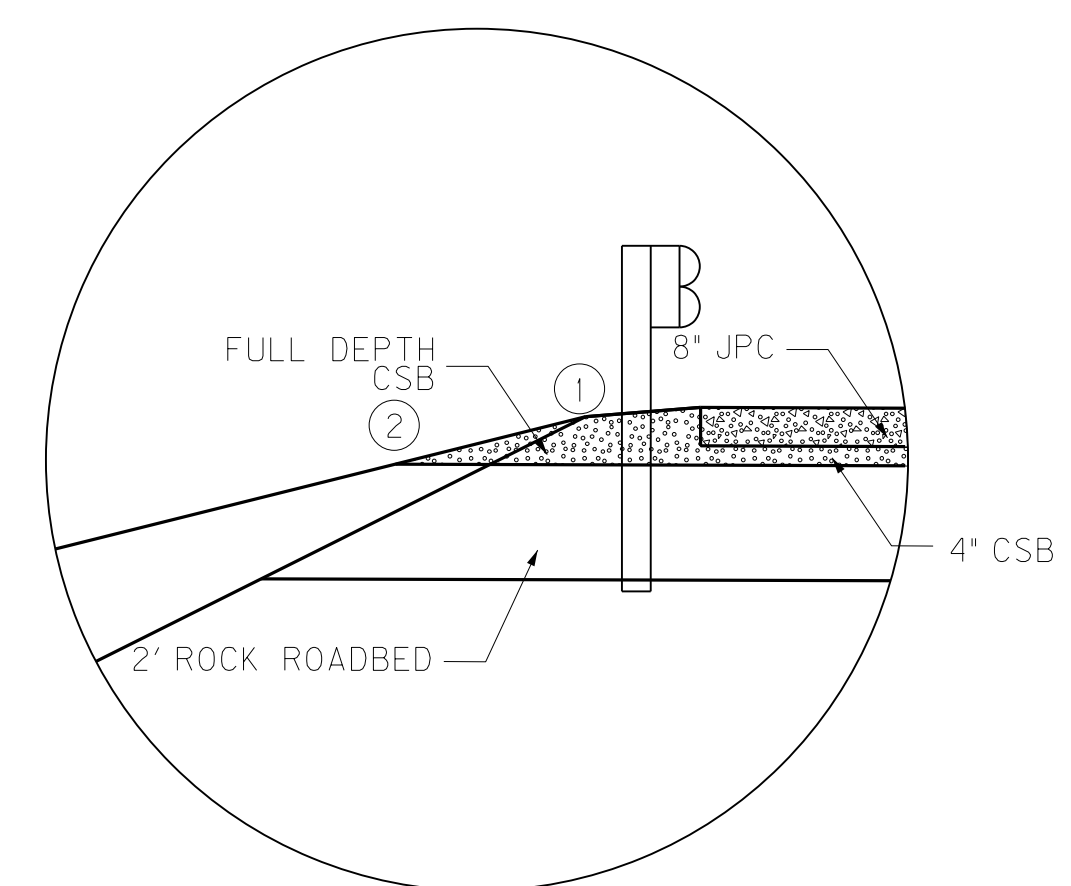
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BRIDGE OVERLAY

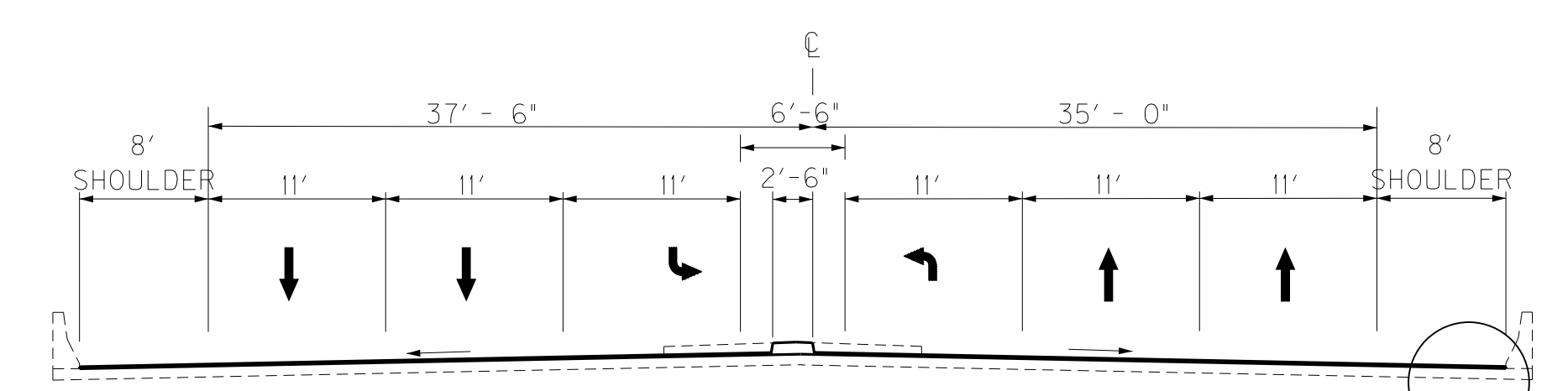
- TRAVEL LANES & SHOULDERS — 1-1/4" LATEX OVERLAY



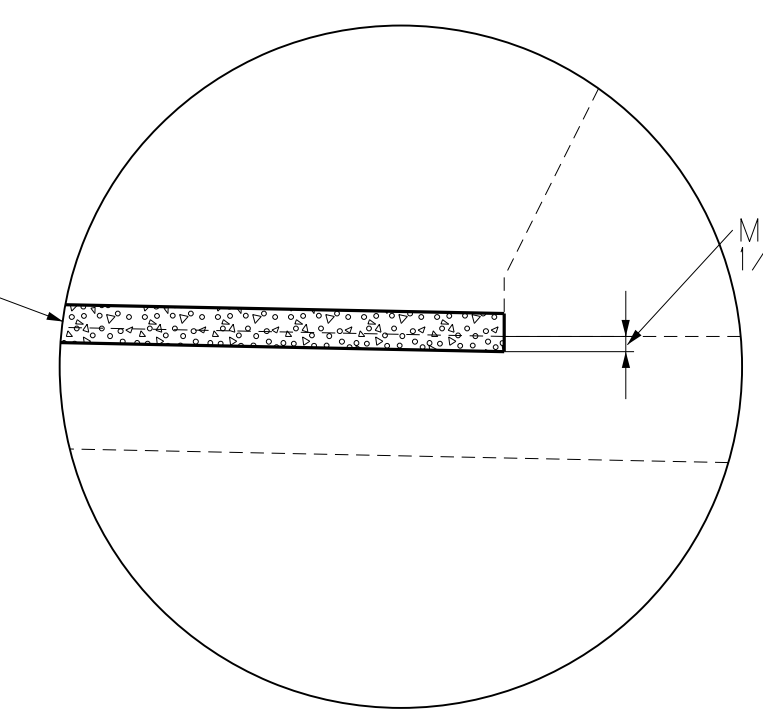
NORMAL SECTION
147 + 92.00-148 + 52.22
151 + 56.90-152 + 03.95



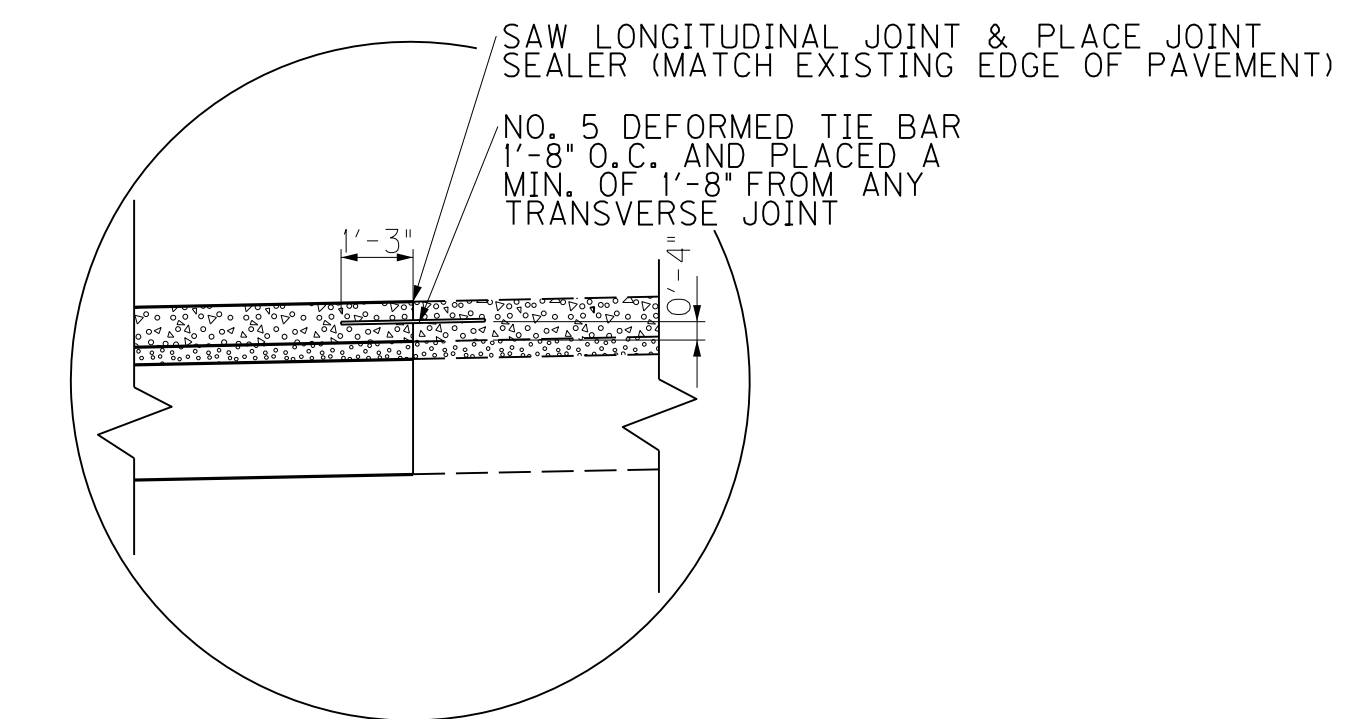
DETAIL "A"



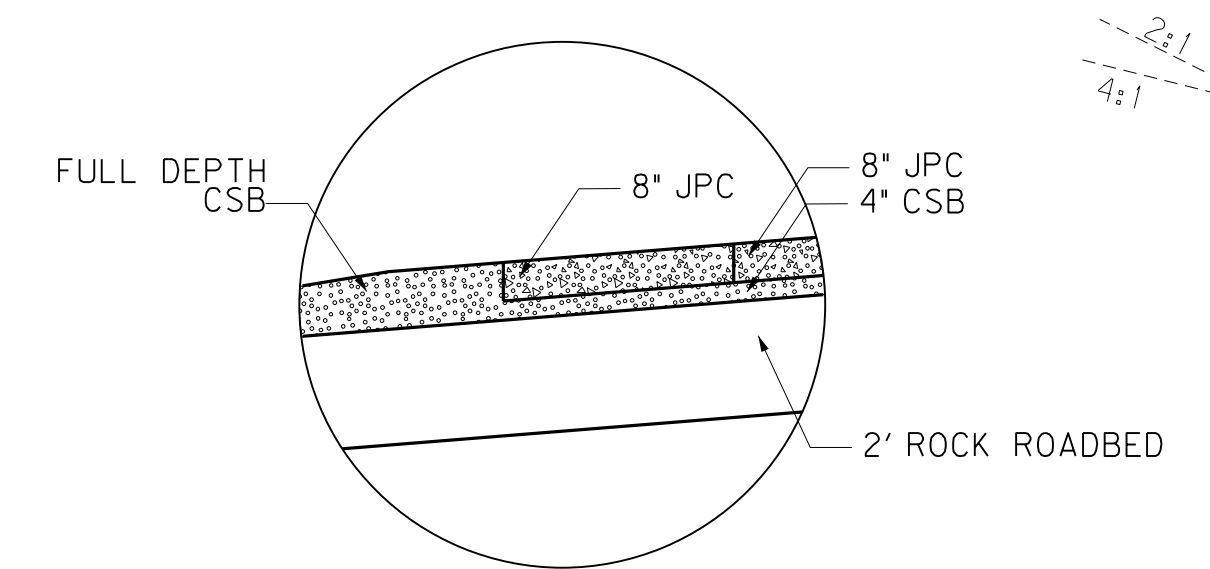
BRIDGE NORMAL SECTION
148 + 52.22-151 + 56.90



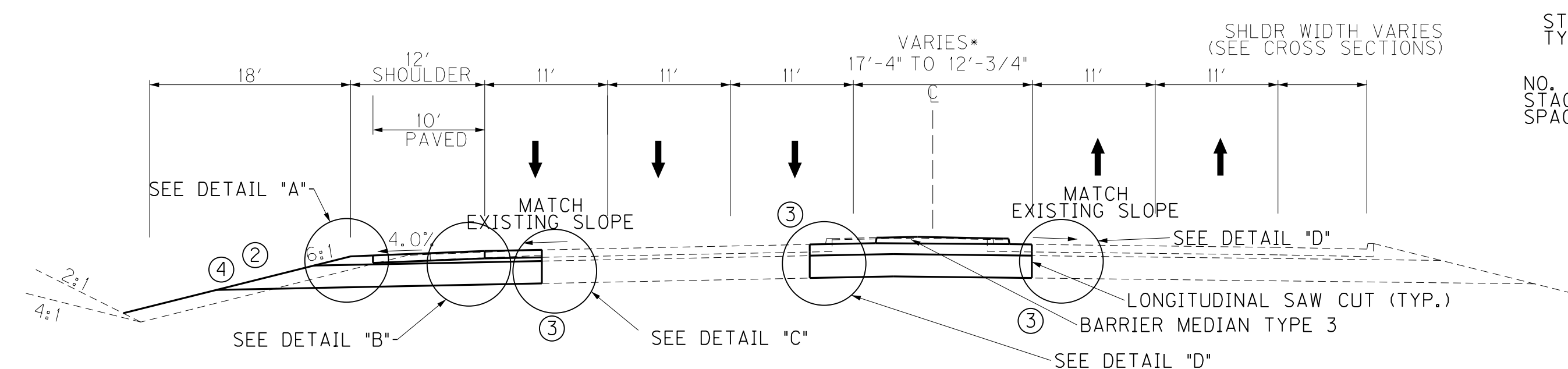
DETAIL "E"



DETAIL "C"

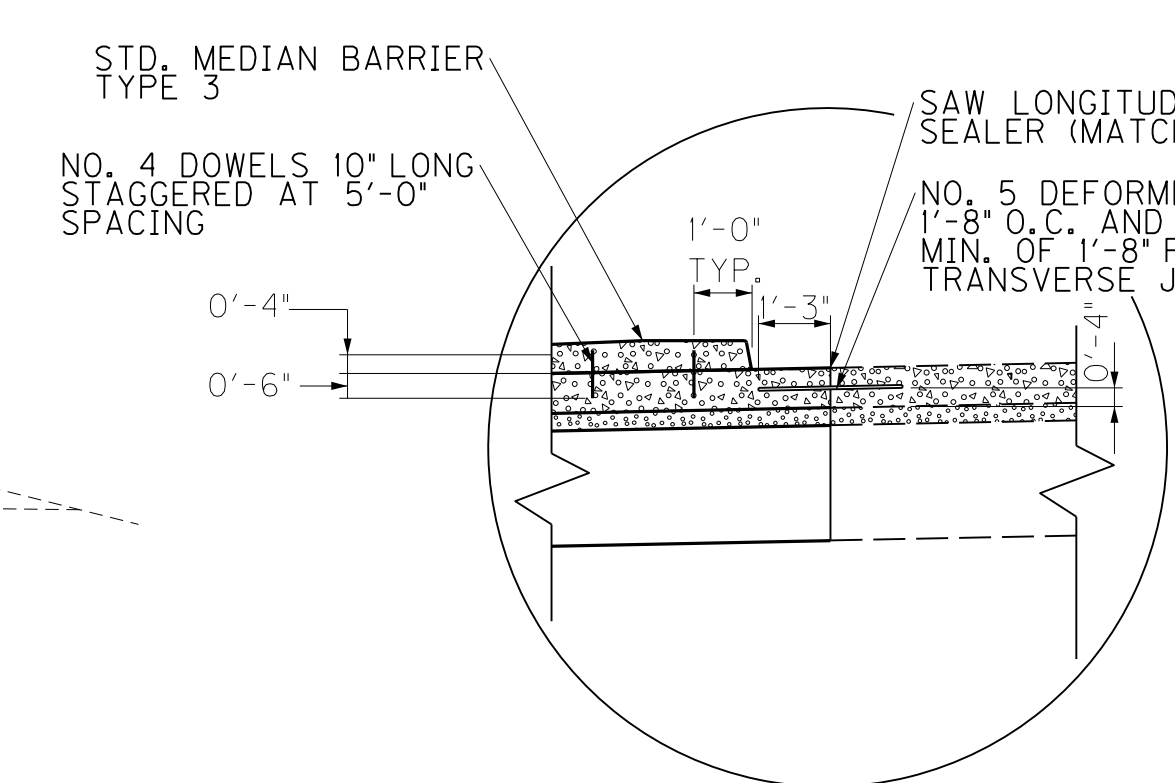


DETAIL "B"



NORMAL SECTION
155 + 84.71-158 + 40.00

*FROM 17'-4" AT STA. 155+91.38 TO 12'-3/4" AT STA. 158+40.00
LT. STA. 157+50.00 END SHOULDER WIDENING



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FILE NAME: T:\KYTC\13 PROJECTS\213-090 JEFFERSON COUNTY I-265 @ KY 3084 INTERCHANGE 5-474.00 DELIVERABLES\SENT TO TRANSPORTATION CABINET\...
 USER: jhieton
 DATE PLOTTED: July 13, 2016
 E-SHEET NAME: R0020BTS
 MicroStation v8.11.7.443

TYPICAL SECTIONS
OLD HENRY ROAD (KY 3084)
AT I-265 INTERCHANGE

N.T.S.

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-474.00	R2B

REVISED 7/13/2016

TYPICAL SECTIONS OLD HENRY ROAD KY 3084

NEW CONSTRUCTION
GRADE, DRAIN & SURFACING
- USING -

TRAVEL LANE PAVEMENT

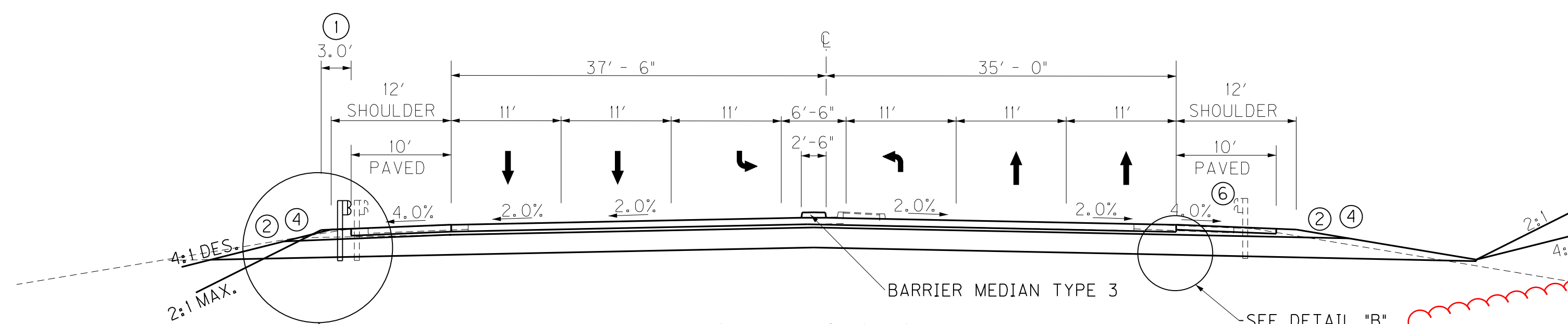
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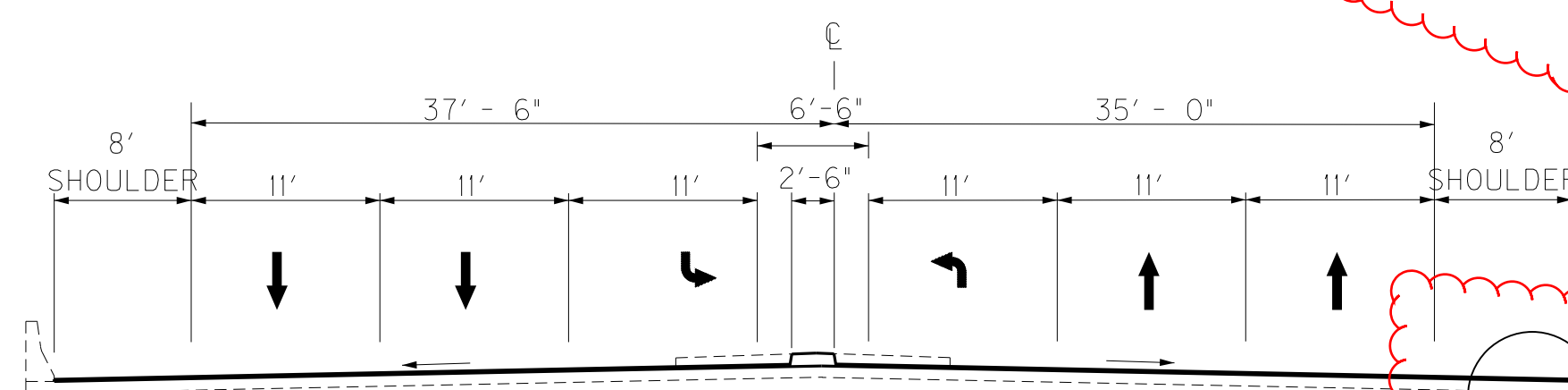
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BRIDGE OVERLAY

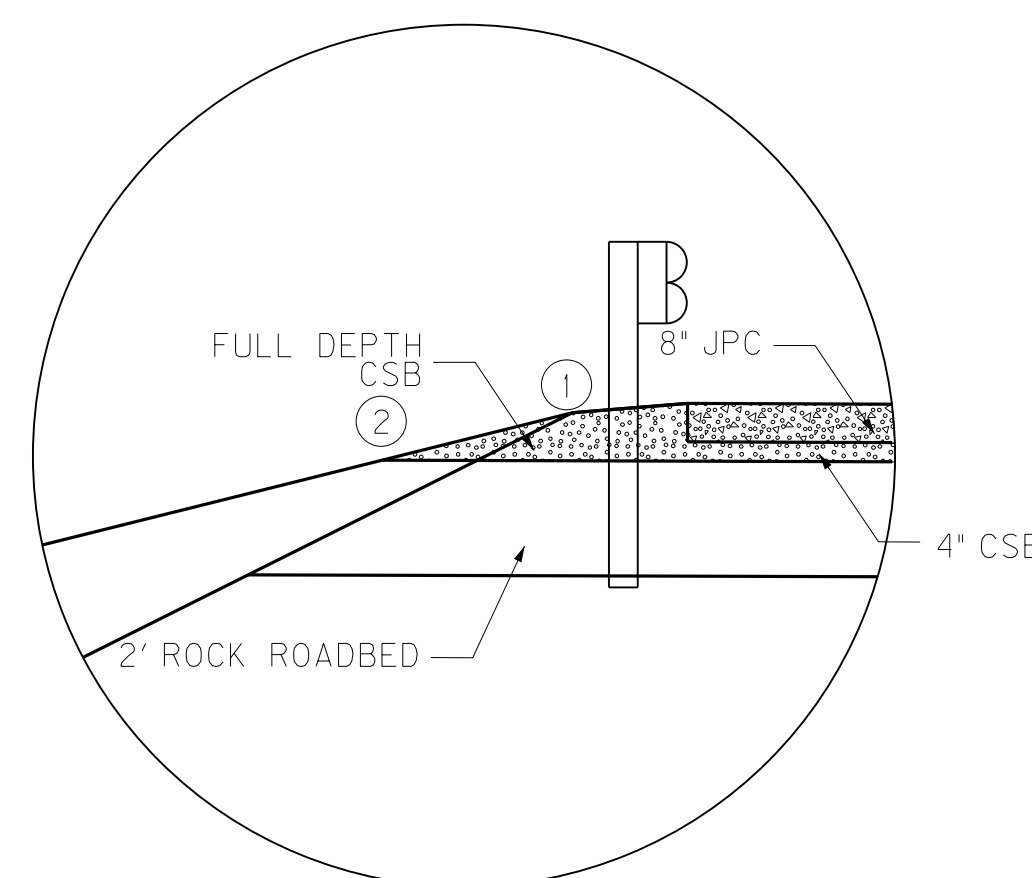
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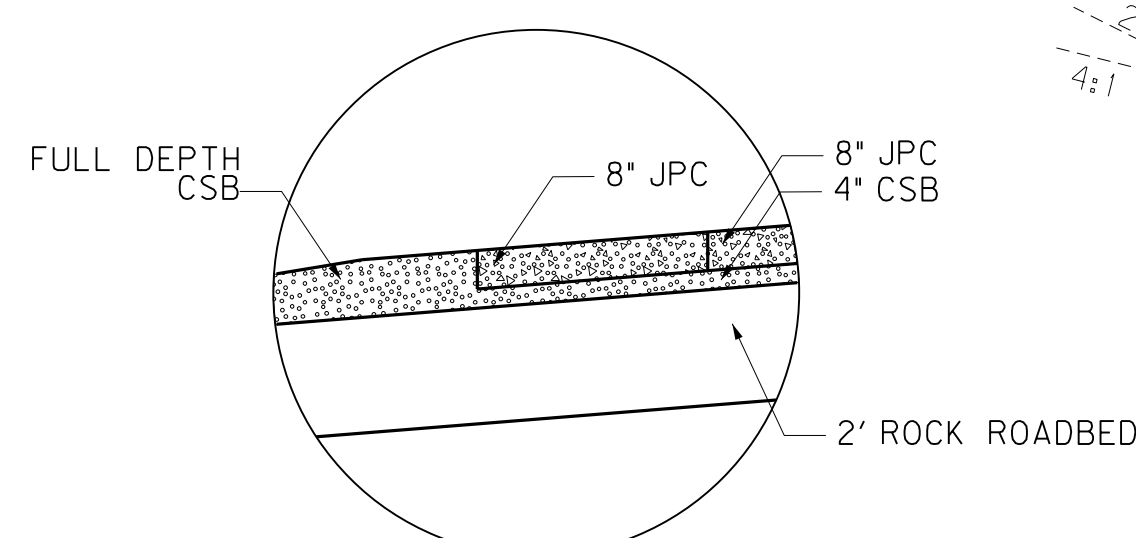
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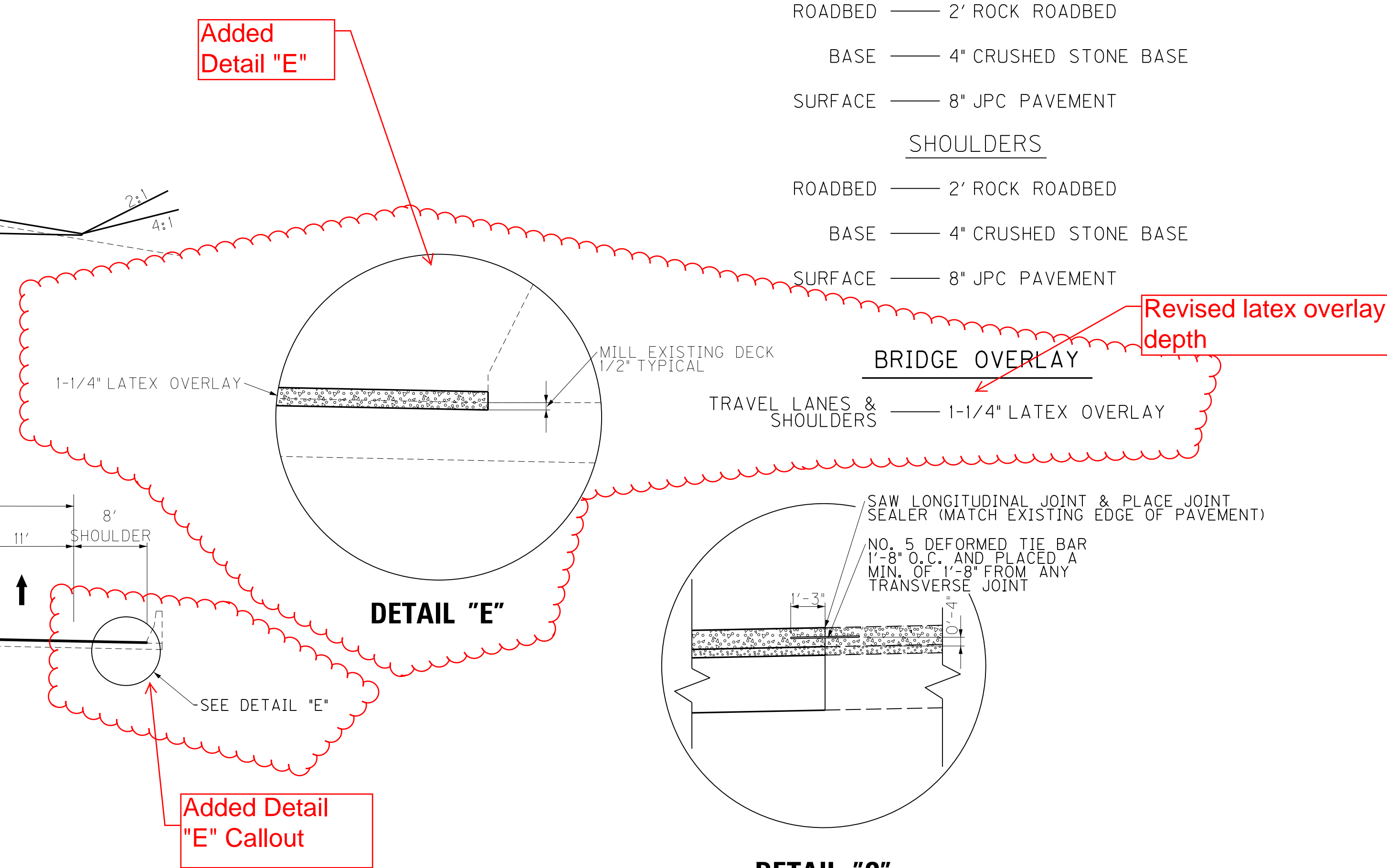
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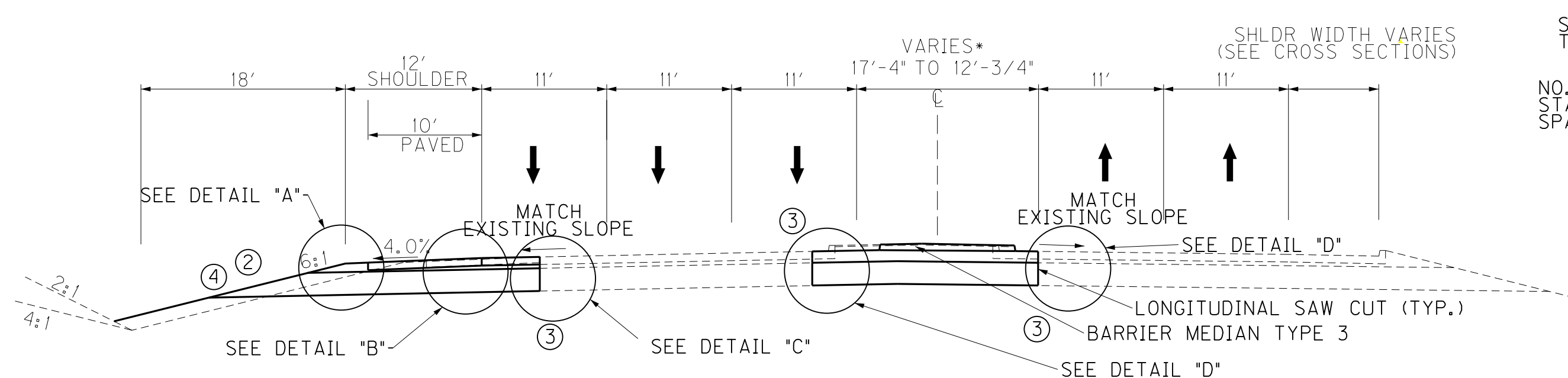


DETAIL "B"



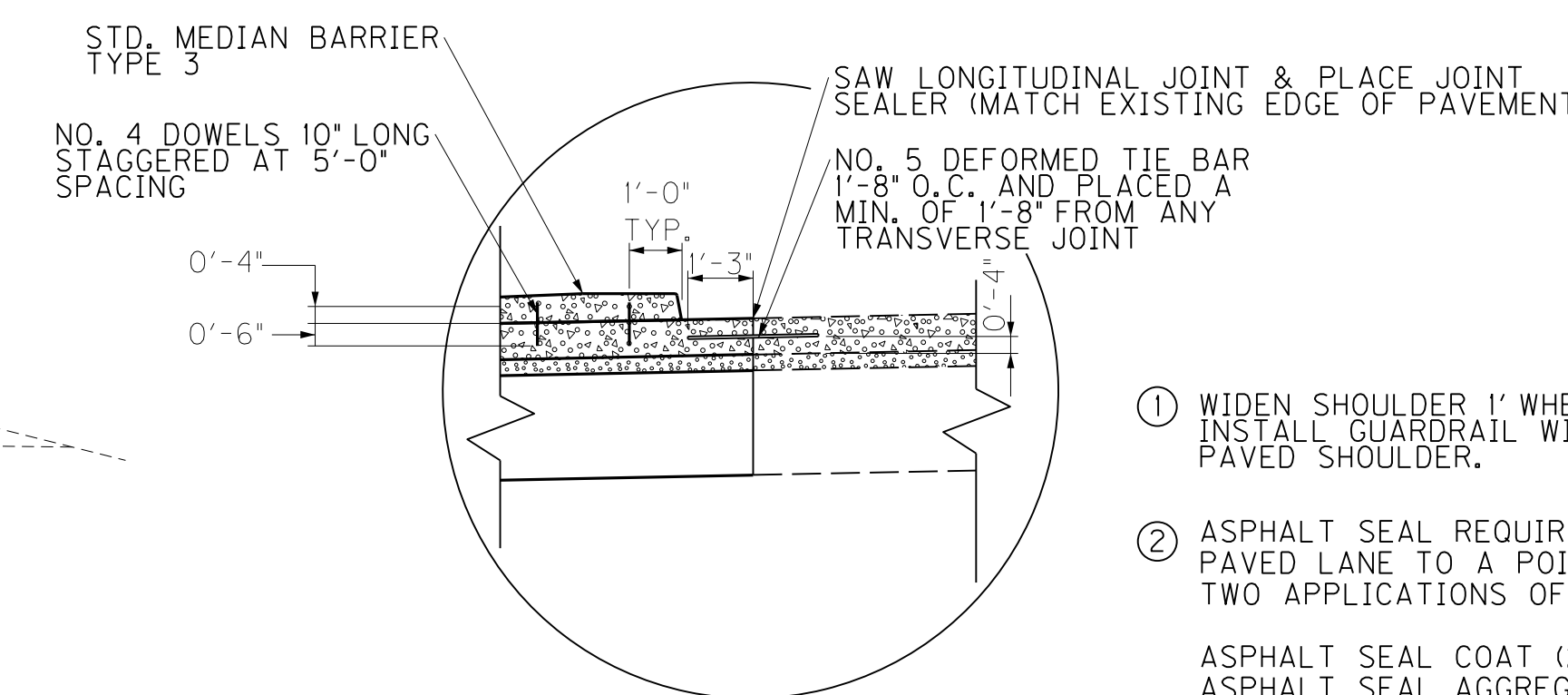
DETAIL "E"

DETAIL "C"



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155 + 84.71-158 + 40.00

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 USER: jhhieton
 DATE PLOTTED: July 13, 2016
 E-SHEET NAME: R0020BTS
 MicroStation v8.11.7.443

TYPICAL SECTIONS
OLD HENRY ROAD (KY 3084)
AT I-265 INTERCHANGE

N.T.S.

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-474.00	R2E

REVISED 7/13/2016

ITEM	DESCRIPTION	UNIT	OLD HENRY RD (KY 3084)	RAMP 7	RAMP 3											PROJECT TOTALS
1000	PERFORATED PIPE-4 IN	LF	16	40												56
1010	NON-PERFORATED PIPE-4 IN	LF	8	8												16
1020	PERFORATED PIPE HEADWALL TY 1-4 IN	EACH	1													1
1028	PERFORATED PIPE HEADWALL TY 3-4 IN	EACH		1												1
1890	ISLAND HEADER CURB TYPE I	LF	114.6													115
1919	STANDARD BARRIER MEDIAN TYPE 3	SOYD	1734													1734
1987	DELINEATORS FOR GUARDRAIL	EACH	13	8	10											31
2014	BARRICADE-TYPE III	EACH	4													4
2058	REMOVE PCC PAVEMENT	SOYD	4217	2646	685											7548
2060	PCC PAVEMENT DIAMOND GRINDING	SOYD	31269	7036	5420											43725
2159	TEMP DITCH	LF	5808													5808
2160	CLEAN TEMP DITCH	LF	5808													5808
2200	ROADWAY EXCAVATION	CUYD	24218													24218
2242	WATER ①	MGAL	120													120
2261	FENCE-WOVEN WIRE	LF	250													250
2265	REMOVE FENCE	LF	250													250
2351	GUARDRAIL - STEEL W BEAM - S FACE	LF	1112.5	350	550											2012.5
2360	GUARDRAIL TERMINAL SECTION NO. 1	EACH			1											1
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH	2													2
2381	REMOVE GUARDRAIL	LF	1198	908	513											2619
2391	GUARDRAIL END TREATMENT TY 4A	EACH	1	1												2
2483	CHANNEL LINING - CLASS II	TONS	655	892	1066											2613
2484	CHANNEL LINING - CLASS III	TONS	277													277
2545	CLEARING AND GRUBBING ②	LS	1													1
2562	TEMPORARY SIGNS	SOFT	100													100
2568	MOBILIZATION	LS	1													1
2569	DEMOBILIZATION	LS	1													1
2650	MAINTAIN AND CONTROL TRAFFIC	LS	1													1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2													2
2701	TEMP SILT FENCE	LF	2904													2904
2703	SILT TRAP TYPE A	EACH	58													58
2704	SILT TRAP TYPE B	EACH	58													58
2705	SILT TRAP TYPE C	EACH	29													29
2706	CLEAN SILT TRAP TYPE A	EACH	174													174
2707	CLEAN SILT TRAP TYPE B	EACH	174													174
2708	CLEAN SILT TRAP TYPE C	EACH	87													87
2726	STAKING	LS	1													1
3295	EXPAN JOINT REPLACE 2 IN	LF	204													204
3299	ARMORED EDGE FOR CONCRETE	LF	204													204
5950	EROSION CONTROL BLANKET	SOYD		139												139
5952	TEMP MULCH	SOYD	140360													140360
5953	TEMP SEEDING AND PROTECTION	SOYD	140360													140360
5963	INITIAL FERTILIZER	TONS	14.6													14.6
5964	20-10-10 FERTILIZER	TONS	4.8													4.8
5985	SEEDING AND PROTECTION	SOYD	91960													91960
5989	SPECIAL SEEDING CROWN VETCH	SOYD	4066													4066
5992	AGRICULTURAL LIMESTONE	TONS	87													87
6540	PAVE STRIPING-THERMO-4 IN W	LF	10770													10770
6541	PAVE STRIPING-THERMO-4 IN Y	LF	6184													6184
6542	PAVE STRIPING-THERMO-6 IN W	LF	1190	2300	2141											5631
6543	PAVE STRIPING-THERMO-6 IN Y	LF	414	1728	1170											3312
6544	PAVE STRIPING-THERMO-8 IN W	LF	365													365
6546	PAVE STRIPING-THERMO-12 IN W	LF	369													369
6568	PAVE MARKING-THERMO STOP BAR-24 IN	LF	309	24	36											369
6569	PAVE MARKING-THERMO CROSS-HATCH	SF	3913	4306												8219

NOTES:

- ① FOR MAINTENANCE OF TRAFFIC PURPOSES
- ② APPROX. 29.0 ACRES (2.5 ACRES GRUBBING)
- ③ ESTIMATED AT 5% OF DECK AREA
- ④ 1.25" CONCRETE LATEX OVERLAY OVER ENTIRE BRIDGE DECK AREA
- ⑤ REMOVE AND RESET CURB BOX INLET, TOP PHASE AT BRIDGE ENDS

17,359 CUYD COM
 1,517 CUYD DT LT
 5,342 CUYD EMB. BENCH
 24,218 CUYD TOTAL RDWY. EXC.

7,421 CUYD EMB
 5,342 CUYD EMB. BENCH
 12,763 CUYD TOTAL EMB.

ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

GENERAL SUMMARY

USER: jlh11etion
 DATE PLOTTED: July 13, 2016
 E-SHEET NAME: R0020ESU
 MicroStation v8.11.7.443

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-474.00	R2E

REVISED 7/13/2016

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2704	SILT TRAP TYPE B	EACH	58													58
2705	SILT TRAP TYPE C	EACH	29													29
2706	CLEAN SILT TRAP TYPE A	EACH	174													174
2707	CLEAN SILT TRAP TYPE B	EACH	174													174
2708	CLEAN SILT TRAP TYPE C	EACH	87													87
2726	STAKING	LS	1													1
3295	EXPAN JOINT REPLACE 2 IN	LF	204													204
3299	ARMORED EDGE FOR CONCRETE	LF	204													204
5950	EROSION CONTROL BLANKET	SOYD		139												139
5952	TEMP MULCH	SOYD	140360													140360
5953	TEMP SEEDING AND PROTECTION	SOYD	140360													140360
5963	INITIAL FERTILIZER	TONS	14.6													14.6
5964	20-10-10 FERTILIZER	TONS	4.8													4.8
5985	SEEDING AND PROTECTION	SOYD	91960													91960
5989	SPECIAL SEEDING CROWN VETCH	SOYD	4066													4066
5992	AGRICULTURAL LIMESTONE	TONS	87													87
6540	PAVE STRIPING-THERMO-4 IN W	LF	10770													10770
6541	PAVE STRIPING-THERMO-4 IN Y	LF	6184													6184
6542	PAVE STRIPING-THERMO-6 IN W	LF	1190	2300	2141											5631
6543	PAVE STRIPING-THERMO-6 IN Y	LF	414	1728	1170											3312
6544	PAVE STRIPING-THERMO-8 IN W	LF	365													365
6546	PAVE STRIPING-THERMO-12 IN W	LF	369													369
6568	PAVE MARKING-THERMO STOP BAR-24 IN	LF	309	24	36											369
6569	PAVE MARKING-THERMO CROSS-HATCH	SF	3913	4306												8219

- NOTES:**
- ① FOR MAINTENANCE OF TRAFFIC PURPOSES
 - ② APPROX. 29.0 ACRES (2.5 ACRES GRUBBING)
 - ③ ESTIMATED AT 5% OF DECK AREA
 - ④ 1.25" CONCRETE LATEX OVERLAY OVER ENTIRE BRIDGE DECK AREA
 - ⑤ REMOVE AND RESET CURB BOX INLET, TOP PHASE AT BRIDGE ENDS

17,359 CUYD COM
 1,517 CUYD DT LT
 5,342 CUYD EMB. BENCH
 24,218 CUYD TOTAL RDWY. EXC.

7,421 CUYD EMB
 5,342 CUYD EMB. BENCH
 12,763 CUYD TOTAL EMB.

ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

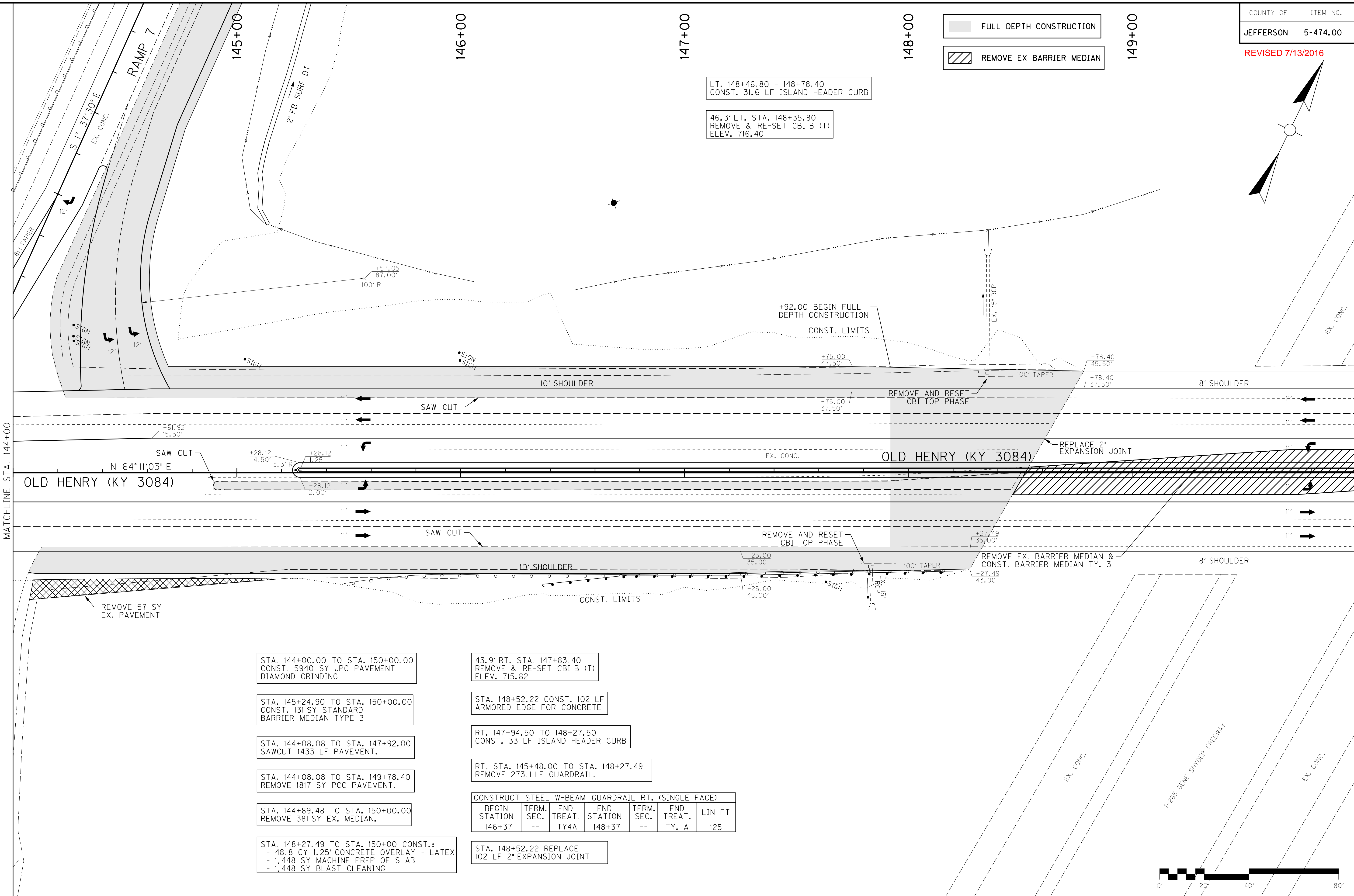
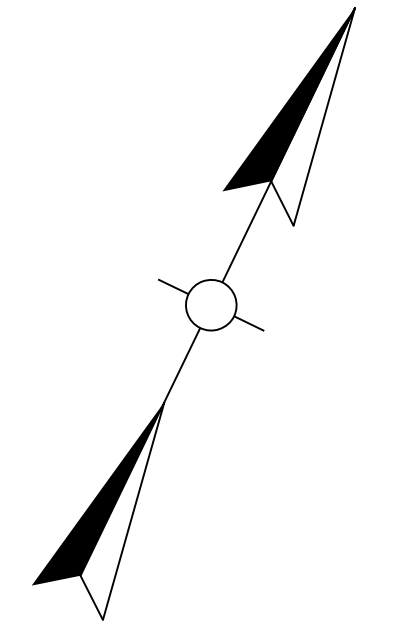
GENERAL SUMMARY

MicroStation v8.11.7.443
 E-SHEET NAME: R0020ESU
 USER: jlh11etion
 DATE PLOTTED: July 13, 2016

MicroStation v8.11.7.443 E-SHEET NAME: R00700PL USER: jlh11etion DATE PLOTTED: July 13, 2016 FILE NAME: T:\KYTC\13 PROJECTS\213-090 JEFFERSON COUNTY I-265 @ KY 3084 INTERCHANGE 5-474.00\DELIVERABLES\SENT TO TRANSPORTATION CABINET\EN

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-474.00	R7

REVISED 7/13/2016



STA. 144+00.00 TO STA. 150+00.00
CONST. 5940 SY JPC PAVEMENT
DIAMOND GRINDING

STA. 145+24.90 TO STA. 150+00.00
CONST. 131 SY STANDARD
BARRIER MEDIAN TYPE 3

STA. 144+08.08 TO STA. 147+92.00
SAWCUT 1433 LF PAVEMENT.

STA. 144+08.08 TO STA. 149+78.40
REMOVE 1817 SY PCC PAVEMENT.

STA. 144+89.48 TO STA. 150+00.00
REMOVE 381 SY EX. MEDIAN.

STA. 148+27.49 TO STA. 150+00 CONST.:
- 48.8 CY 1.25" CONCRETE OVERLAY - LATEX
- 1,448 SY MACHINE PREP OF SLAB
- 1,448 SY BLAST CLEANING

43.9' RT. STA. 147+83.40
REMOVE & RE-SET CBI B (T)
ELEV. 715.82

STA. 148+52.22 CONST. 102 LF
ARMORED EDGE FOR CONCRETE

RT. 147+94.50 TO 148+27.50
CONST. 33 LF ISLAND HEADER CURB

RT. STA. 145+48.00 TO STA. 148+27.49
REMOVE 273.1 LF GUARDRAIL.

CONSTRUCT STEEL W-BEAM GUARDRAIL RT. (SINGLE FACE)

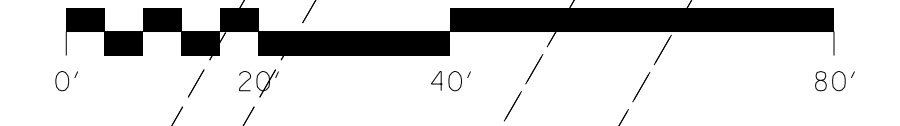
BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LIN FT
146+37	--	TY4A	148+37	--	TY. A	125

STA. 148+52.22 REPLACE
102 LF 2" EXPANSION JOINT

LT. 148+46.80 - 148+78.40
CONST. 31.6 LF ISLAND HEADER CURB

46.3' LT. STA. 148+35.80
REMOVE & RE-SET CBI B (T)
ELEV. 716.40

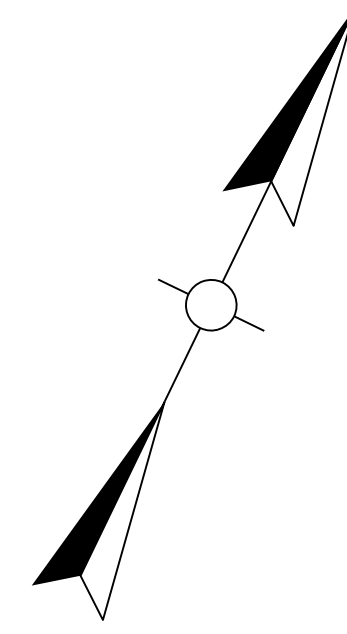
- FULL DEPTH CONSTRUCTION
- REMOVE EX BARRIER MEDIAN



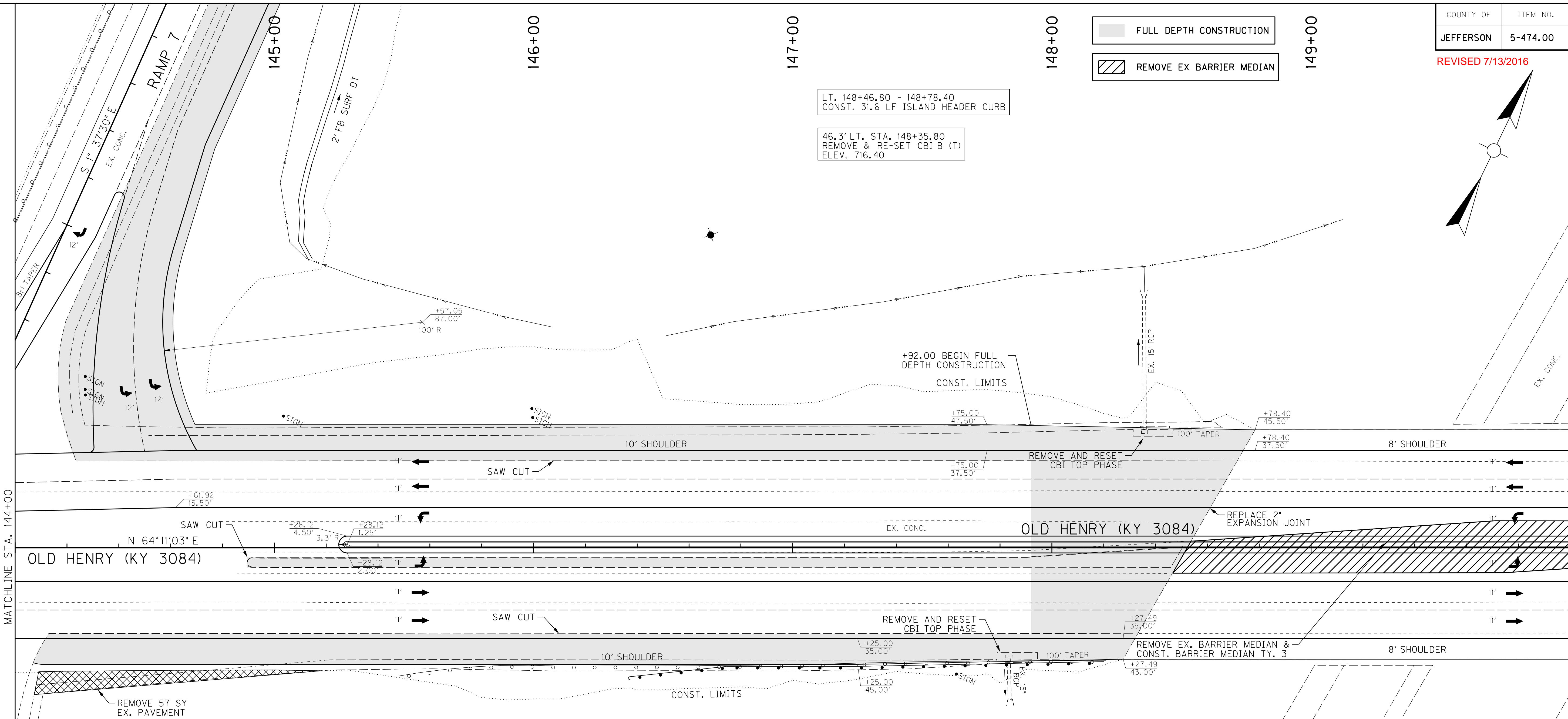
SCALE: 1"=20'

OLD HENRY (KY 3084)
STA. 144+00.00 TO STA. 150+00.00
PLAN SHEET

REVISED 7/13/2016



- FULL DEPTH CONSTRUCTION
- REMOVE EX BARRIER MEDIAN



MATCHLINE STA. 144+00

MATCHLINE STA. 150+00

STA. 144+00.00 TO STA. 150+00.00
CONST. 5940 SY JPC PAVEMENT
DIAMOND GRINDING

STA. 145+24.90 TO STA. 150+00.00
CONST. 131 SY STANDARD
BARRIER MEDIAN TYPE 3

STA. 144+08.08 TO STA. 147+92.00
SAWCUT 1433 LF PAVEMENT.

STA. 144+08.08 TO STA. 149+78.40
REMOVE 1817 SY PCC PAVEMENT.

STA. 144+89.48 TO STA. 150+00.00
REMOVE 381 SY EX. MEDIAN.

STA. 148+27.49 TO STA. 150+00 CONST.:

- 48.8 CY 1.25" CONCRETE OVERLAY - LATEX
- 1,448 SY MACHINE PREP OF SLAB
- 1,448 SY BLAST CLEANING

43.9' RT. STA. 147+83.40
REMOVE & RE-SET CBI B (T)
ELEV. 715.82

STA. 148+52.22 CONST. 102 LF
ARMORED EDGE FOR CONCRETE

RT. 147+94.50 TO 148+27.50
CONST. 33 LF ISLAND HEADER CURB

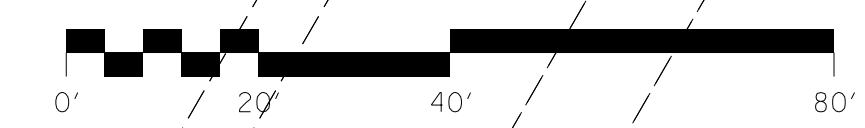
RT. STA. 145+48.00 TO STA. 148+27.49
REMOVE 273.1 LF GUARDRAIL.

CONSTRUCT STEEL W-BEAM GUARDRAIL RT. (SINGLE FACE)

BEGIN STATION	TERM. SEC.	END TREAT.	END STATION	TERM. SEC.	END TREAT.	LIN FT
146+37	--	TY4A	148+37	--	TY. A	125

STA. 148+52.22 REPLACE
102 LF 2" EXPANSION JOINT

Revised quantity and depth of latex overlay



SCALE: 1"=20'

OLD HENRY (KY 3084)
STA. 144+00.00 TO STA. 150+00.00
PLAN SHEET

FILE NAME: T:\KYTC\13 PROJECTS\213-090 JEFFERSON COUNTY I-265 @ KY 3084 INTERCHANGE 5-474.00\DELIVERABLES\SENT TO TRANSPORTATION CABINET\EN...
 USER: jlh11etion
 DATE PLOTTED: July 13, 2016
 E-SHEET NAME: R00700PL
 MicroStation v8.11.7.443

MicroStation v8.11.7.443 E-SHEET NAME: R00900PL USER: jh1hieton DATE PLOTTED: July 13, 2016 FILE NAME: T:\KYTC\13 PROJECTS\213-090 JEFFERSON COUNTY I-265 @ KY 3084 INTERCHANGE 5-474.00 DELIVERABLES\SENT TO TRANSPORTATION CABINET\EN

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-474.00	R9

REVISED 7/13/2016

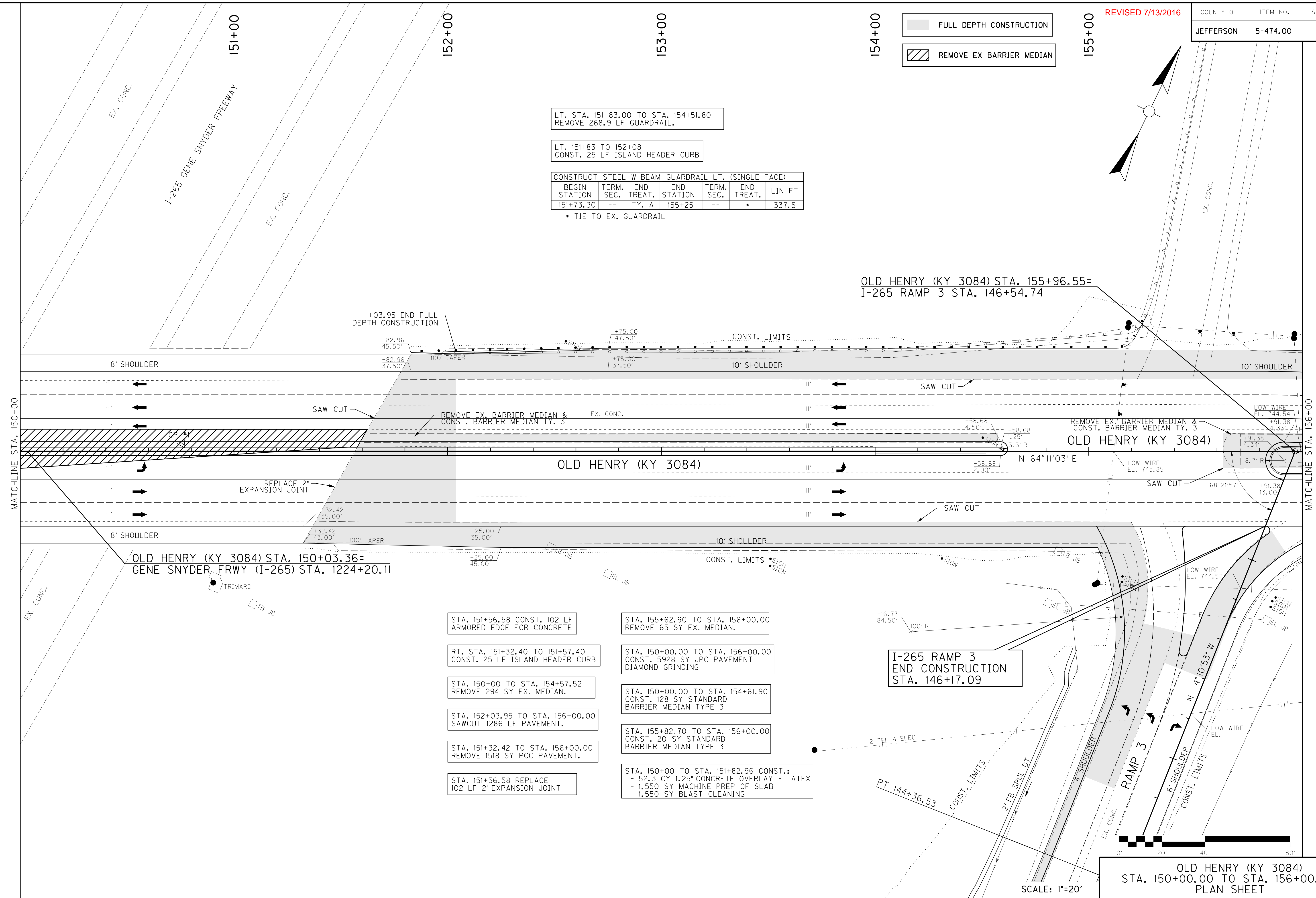
- FULL DEPTH CONSTRUCTION
- REMOVE EX BARRIER MEDIAN

LT. STA. 151+83.00 TO STA. 154+51.80
REMOVE 268.9 LF GUARDRAIL.

LT. 151+83 TO 152+08
CONST. 25 LF ISLAND HEADER CURB

CONSTRUCT STEEL W-BEAM GUARDRAIL LT. (SINGLE FACE)						
BEGIN STATION	TERM. SEC.	END STATION	END TREAT.	TERM. SEC.	END TREAT.	LIN FT
151+73.30	--	TY. A	155+25	--	*	337.5

* TIE TO EX. GUARDRAIL



STA. 151+56.58 CONST. 102 LF ARMORED EDGE FOR CONCRETE

RT. STA. 151+32.40 TO 151+57.40 CONST. 25 LF ISLAND HEADER CURB

STA. 150+00 TO STA. 154+57.52 REMOVE 294 SY EX. MEDIAN.

STA. 152+03.95 TO STA. 156+00.00 SAWCUT 1286 LF PAVEMENT.

STA. 151+32.42 TO STA. 156+00.00 REMOVE 1518 SY PCC PAVEMENT.

STA. 151+56.58 REPLACE 102 LF 2" EXPANSION JOINT

STA. 155+62.90 TO STA. 156+00.00 REMOVE 65 SY EX. MEDIAN.

STA. 150+00.00 TO STA. 156+00.00 CONST. 5928 SY JPC PAVEMENT DIAMOND GRINDING

STA. 150+00.00 TO STA. 154+61.90 CONST. 128 SY STANDARD BARRIER MEDIAN TYPE 3

STA. 155+82.70 TO STA. 156+00.00 CONST. 20 SY STANDARD BARRIER MEDIAN TYPE 3

STA. 150+00 TO STA. 151+82.96 CONST.:
- 52.3 CY 1.25" CONCRETE OVERLAY - LATEX
- 1,550 SY MACHINE PREP OF SLAB
- 1,550 SY BLAST CLEANING

I-265 RAMP 3
END CONSTRUCTION
STA. 146+17.09

OLD HENRY (KY 3084)
STA. 150+00.00 TO STA. 156+00.00
PLAN SHEET

SCALE: 1"=20'

MicroStation v8.11.7.443 E-SHEET NAME: R00900PL USER: jh1hieton DATE PLOTTED: July 13, 2016 FILE NAME: T:\KYTC\13 PROJECTS\213-090 JEFFERSON COUNTY I-265 @ KY 3084 INTERCHANGE 5-474.00 DELIVERABLES\SENT TO TRANSPORTATION CABINET\EN

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-474.00	R9

REVISED 7/13/2016

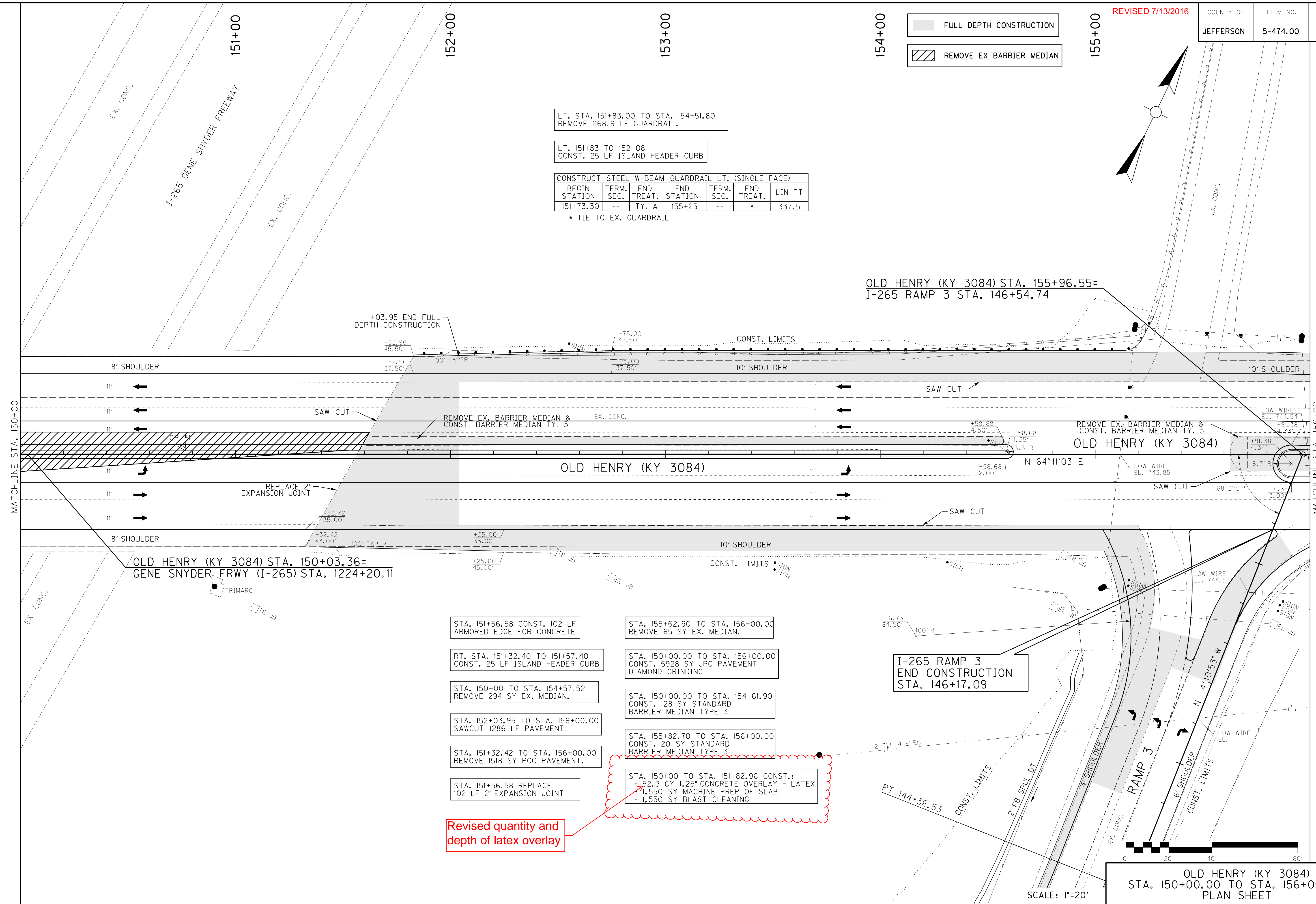
- FULL DEPTH CONSTRUCTION
- REMOVE EX BARRIER MEDIAN

LT. STA. 151+83.00 TO STA. 154+51.80
REMOVE 268.9 LF GUARDRAIL.

LT. 151+83 TO 152+08
CONST. 25 LF ISLAND HEADER CURB

BEGIN STATION	TERM. SEC.	END STATION	END TREAT.	TERM. SEC.	END TREAT.	LIN FT
151+73.30	--	TY. A	155+25	--	*	337.5

* TIE TO EX. GUARDRAIL



OLD HENRY (KY 3084) STA. 155+96.55=
I-265 RAMP 3 STA. 146+54.74

OLD HENRY (KY 3084) STA. 150+03.36=
GENE SNYDER FRWY (I-265) STA. 1224+20.11

STA. 151+56.58 CONST. 102 LF ARMORED EDGE FOR CONCRETE

RT. STA. 151+32.40 TO 151+57.40 CONST. 25 LF ISLAND HEADER CURB

STA. 150+00 TO STA. 154+57.52 REMOVE 294 SY EX. MEDIAN.

STA. 152+03.95 TO STA. 156+00.00 SAWCUT 1286 LF PAVEMENT.

STA. 151+32.42 TO STA. 156+00.00 REMOVE 1518 SY PCC PAVEMENT.

STA. 151+56.58 REPLACE 102 LF 2" EXPANSION JOINT

STA. 155+62.90 TO STA. 156+00.00 REMOVE 65 SY EX. MEDIAN.

STA. 150+00.00 TO STA. 156+00.00 CONST. 5928 SY JPC PAVEMENT DIAMOND GRINDING

STA. 150+00.00 TO STA. 154+61.90 CONST. 128 SY STANDARD BARRIER MEDIAN TYPE 3

STA. 155+82.70 TO STA. 156+00.00 CONST. 20 SY STANDARD BARRIER MEDIAN TYPE 3

STA. 150+00 TO STA. 151+82.96 CONST.:
- 52.3 CY 1.25" CONCRETE OVERLAY - LATEX
- 1,550 SY MACHINE PREP OF SLAB
- 1,550 SY BLAST CLEANING

Revised quantity and depth of latex overlay

I-265 RAMP 3
END CONSTRUCTION
STA. 146+17.09

OLD HENRY (KY 3084)
STA. 150+00.00 TO STA. 156+00.00
PLAN SHEET

SCALE: 1"=20'

REVISED 7/14/2016

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

OFF_RAMP TOTAL	ITS CCTV TOTAL	TOTAL	UNITS	CODE	ITEM DESCRIPTION
20	0	20	LIN FT	4792	CONDUIT 1 INCH
70	0	70	LIN FT	4793	CONDUIT 1 1/4 INCH
0	800	800	LIN FT	24124EC	PVC CONDUIT 2 IN - SCHEDULE 40
2	2	2	EACH	4811	ELECTRICAL JUNCTION BOX TYPE B
80	750	830	LIN FT	4820	TRENCHING AND BACKFILLING
1000	0	1000	LIN FT	4830	LOOP WIRE
1700	0	1700	LIN FT	4844	CABLE-NO. 14/5C
1000	0	1000	LIN FT	4850	CABLE-NO. 14/1 PAIR
0	0	1	EACH	4873	POLE 45' WOODEN
0	0	2	EACH	4884	ANCHOR
600	100	700	LIN FT	4885	MESSENGER-10800 LB
500	0	500	LIN FT	4895	LOOP SAW SLOT AND FILL
1	0	1	EACH	4931	INSTALL SIG CONTROLLER-TYPE 170
4	0	4	LP SUM	4932	INSTALL STEEL STRAIN POLE
1	0	1	EACH	4950	REMOVE SIGNAL EQUIPMENT
10	0	10	EACH	20188NS835	INSTALL SIGNAL-3 SECTION LED
1	0	1	EACH	20266ES835	INSTALL SIGNAL-4 SECTION LED
2	0	2	EACH	2039INS835	ELECTRICAL JUNCTION BOX TYPE A
0	210	210	LIN FT	21543EN	BORE AND JACK CONDUIT
18	0	18	CU YD	23157EN	TRAFFIC SIGNAL POLE BASE
1	0	1	EACH	23982EC	INSTALL ANTENNA

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPRIAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP INSTALL ITEMS FROM THE FRANKFORT POLE YARD AND DELIVERING THESE ITEMS TO THE SITE. THE CONTRACTOR SHALL CONTACT FRANKFORT POLE YARD PERSONNEL (502-782-8991) AND ARRANGE TO PICK UP INSTALL ITEMS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. FAILURE TO PROVIDE POLE YARD PERSONNEL THIS ADVANCE NOTICE COULD RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE EQUIPMENT UPON ARRIVAL.

ADD SENTENCE TO SECTION 835.15: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION: 03.02 POLE AND BASE INSTALLATION.
REVISION: REPLACE THE FIRST PARAGRAPH WITH THE FOLLOWING: REGARDLESS OF THE STATION AND OFFSET NOTED, LOCATE ALL POLES/BASES BEHIND THE GUARDRAIL A MINIMUM OF FOUR FEET FROM THE FRONT FACE OF THE GUARDRAIL TO THE FRONT FACE OF THE POLE BASE. ORIENT THE HANDHOLE DOOR AWAY FROM TRAFFIC TRAVEL PATH. IF POLE BASE IS INSTALLED WITHIN A SIDEWALK THE TOP OF THE POLE BASE SHALL BE THE SAME GRADE AS THE SIDEWALK.

SUBSECTION: 03.02 POLE AND BASE INSTALLATION.
PART: A) STEEL STRAIN MAST ARM POLE INSTALLATION.
REVISION: INSERT THE FOLLOWING SENTENCE AT THE BEGINNING OF THE FIRST PARAGRAPH: INSTALL POLE BASES 4 TO 6 INCHES ABOVE GRADE.

SUBSECTION: 03.02 POLE AND BASE INSTALLATION.
PART: A) STEEL STRAIN AND MAST ARM POLE INSTALLATION.
REVISION: REPLACE THE SECOND PARAGRAPH WITH THE FOLLOWING: FOR CONCRETE BASE INSTALLATION, SEE SUBSECTION 716.03.02 B), 2), PARAGRAPHS 2-6. DRILLED SHAFT DEPTH SHALL BE BASED ON THE SOIL CONDITIONS ENCOUNTERED DURING DRILLING AND SLOPE CONDITION AT THE SITE. REFER TO THE DESIGN CHART BELOW.

SUBSECTION: 03.03 TRENCHING.
REVISION: REPLACE THE FIRST SENTENCE WITH THE FOLLOWING: SEE SUBSECTION 716.03.03 (B).

SUBSECTION: 03.03 TRENCHING.
PART: A) UNDER ROADWAY
REVISION: DELETE PART A) UNDER ROADWAY.

SUBSECTION: 03.05 CONDUIT REQUIREMENTS IN JUNCTION BOXES.
REVISION: DELETE THE SUBSECTION AND REPLACE WITH THE FOLLOWING: 723.03.05 FUSE CONNECTOR KITS. SEE SUBSECTION 716.03.09.

SUBSECTION: 03.06 COUPLING INSTALLATION.
REVISION: DELETE THE SUBSECTION AND REPLACE WITH THE FOLLOWING: 723.03.06 PAINTING. SEE SUBSECTION 716.03.15.

SUBSECTION: 03.07 BONDING REQUIREMENTS.
REVISION: DELETE THE SUBSECTION AND REPLACE WITH THE FOLLOWING: 723.03.07 ELECTRICAL JUNCTION BOXES. SEE SUBSECTION 716.03.10.

SUBSECTION: 03.15 PAINTING
REVISION: REMOVE TITLE AND REVISED TO REMOVE SIGNAL EQUIPMENT. REPLACE ENTIRE NOTE WITH THE FOLLOWING:

REMOVE ALL TRAFFIC SIGNAL EQUIPMENT THAT IS IDENTIFIED BY THE ENGINEER AS NO LONGER NECESSARY INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: POLE BASES, POLES, JUNCTION BOXES, CABINETS, WOOD POLES, AND ADVANCE WARNING FLASHERS. POLE BASES SHALL BE REMOVED A MINIMUM OF ONE FOOT BELOW FINISHED GRADE BY CHIPPING OFF OR OTHER METHOD THAT IS APPROVED BY THE ENGINEER. DISPOSE OF ALL REMOVED CONCRETE OFF RIGHT-OF-WAY. WOOD POLES SHALL BE REMOVED A MINIMUM OF ONE FOOT BELOW FINISHED GRADE. BACKFILL HOLES WITH MATERIAL APPROVED BY THE ENGINEER. CONDUIT MAY BE ABANDONED IN THE GROUND. CONTACT THE DISTRICT TRAFFIC ENGINEER TO DETERMINE IF ANY REMOVED SIGNAL EQUIPMENT NEEDS TO BE RETURNED TO THE DISTRICT AND TO DETERMINE THE LOCATION/TIME FOR SUCH DELIVERIES.

SUBSECTION: 03.17 ACCEPTANCE AND INSPECTION REQUIREMENTS.
REVISION: REPLACE THE FIRST PARAGRAPH OF THE SECTION WITH THE FOLLOWING: SEE SUBSECTION 105.12. IN COORDINATION WITH THE DISTRICT TRAFFIC ENGINEER, ENERGIZE TRAFFIC CONTROL DEVICE AS SOON AS IT IS FULLY FUNCTIONAL AND READY FOR INSPECTION. AFTER THE WORK HAS BEEN COMPLETED, CONDUCT AN OPERATIONAL TEST DEMONSTRATING THAT THE SYSTEM OPERATES IN ACCORDANCE WITH THE PLANS IN THE PRESENCE OF THE ENGINEER. THE DEPARTMENT WILL ALSO CONDUCT ITS OWN TESTS WITH ITS OWN EQUIPMENT BEFORE FINAL ACCEPTANCE. ENSURE THAT THE TRAFFIC CONTROL DEVICE REMAINS OPERATIONAL UNTIL THE DIVISION OF TRAFFIC OPERATIONS HAS PROVIDED WRITTEN ACCEPTANCE OF THE ELECTRICAL WORK.

SUBSECTION: 04.01 CONDUIT
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE CONDUIT FITTINGS, GROUND LUGS, TEST PLUGS, EXPANSION JOINTS, AND CLAMPS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.02 ELECTRICAL JUNCTION BOX TYPE VARIOUS.
REVISION: REPLACE THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT FURNISHED AND INSTALLED. THE DEPARTMENT WILL NOT MEASURE ADDITIONAL JUNCTION BOXES FOR GREATER DEPTHS THAN THOSE IDENTIFIED IN PLANS, AGGREGATE (#57), BACKFILLING RESTORATION OF DISTURBED AREAS TO THE SATISFACTION OF THE ENGINEER, GEOTEXTILE FABRIC, CONCRETE, HOT DIPPED GALVANIZED COVER, STAINLESS STEEL SCREWS, RUBBER GASKET, AND ANY ASSOCIATED HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.03 TRENCHING AND BACKFILLING.
REVISION: REPLACE THE SECOND SENTENCE WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, UNDERGROUND UTILITY WARNING TAPE, AND THE RESTORATION OF DISTURBED AREAS TO ORIGINAL CONDITION FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.05 LOOP WIRE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE SPLICE BOOTS, CABLE RINGS, AND ANY OTHER NECESSARY HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.06 CABLE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE SPLICE BOOTS, CABLE RINGS, AND ANY OTHER HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.07 POLE- WOODEN.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, AND RESTORING DISTURBED AREAS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.08 STEEL STRAIN POLE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, AND RESTORING DISTURBED AREAS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.12 ANCHOR.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE DOWN-GUY, MESSENGER, CLAMPS, GUY GUARD, OR INSULATORS AND POSSIBLE INSTALLATION IN VARIOUS SOIL CONDITIONS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.13 MESSENGER.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE STRAND VISES, BOLTS, WASHERS, AND OTHER NECESSARY HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.15 LOOP SAW SLOT AND FILL.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE SAWING, CLEANING, FILLING INDUCTION LOOP SAW SLOT, LOOP SEALANT, BACKER ROD, DRILLING HOLE FOR CONDUIT, AND GROUT FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.17 SIGNAL.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE FURNISHING AND INSTALLING LED MODULES, RETROREFLECTIVE TAPE, BACK PLATES, AND ANY OTHER HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.18 SIGNAL CONTROLLER TYPE 170.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE THE CONCRETE BASE, MOUNTING THE CABINET, CONNECTING THE SIGNAL AND DETECTORS, EXCAVATION, BACKFILLING, RESTORATION, ANY NECESSARY POLE MOUNTING HARDWARE, ELECTRIC SERVICE, ELECTRICAL INSPECTION FEES, AND BUILDING FEES INVOLVING SECONDARY/PRIMARY SERVICE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE FURNISHING AND CONNECTING THE INDUCTION OF LOOP AMPLIFIERS, PEDESTRIAN ISOLATORS, LOAD SWITCHES, MODEL 400 MODEM CARD, ELECTRICAL SERVICE CONDUCTORS, CONDUITS, ANCHORS, METER BASE, FUSED CUTOFF, FUSES, GROUND RODS, GROUND WIRES, AND GROUND LUGS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.19 BEACON CONTROLLER 2 CIRCUIT.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE THE CONTROLLER HOUSING, MOUNTING EQUIPMENT, S5-1 SCHOOL ZONE SIGN, TIME CLOCK, NEMA FLASHER, GROUND RODS, GROUND WIRES, GROUND LUGS, METERING DISCONNECT HARDWARE, ELECTRICAL INSPECTION FEES, AND REQUIRED BUILDING FEES INVOLVING UTILITY SECONDARY/PRIMARY SERVICE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.20 INSTALL SIGNAL CONTROLLER TYPE 170.
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT INSTALLED. THE DEPARTMENT WILL NOT MEASURE THE CONCRETE BASE, MOUNTING THE CABINET, CONNECTING THE SIGNAL AND DETECTORS, EXCAVATION, BACKFILLING, RESTORATION, ANY NECESSARY POLE MOUNTING HARDWARE, ELECTRIC SERVICE, ELECTRICAL INSPECTION FEES, AND REQUIRED BUILDING FEES INVOLVING UTILITY SECONDARY/PRIMARY SERVICE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE CONNECTING THE INDUCTION LOOP AMPLIFIERS, PEDESTRIAN ISOLATORS, LOAD SWITCHES, MODEL 400 MODEM CARD FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE FURNISHING AND INSTALLING ELECTRICAL SERVICE CONDUCTORS, CONDUITS, ANCHORS, METER BASE, FUSED CUTOFF, FUSES, GROUND RODS, GROUND LUGS, AND GROUND WIRES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.21 INSTALL STEEL STRAIN POLE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE ANY NECESSARY CLAMP ASSEMBLIES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.22 REMOVE SIGNAL EQUIPMENT. (CONSTRUCTION ONLY)
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY BY EACH. THE DEPARTMENT WILL NOT MEASURE BACKFILLING AND THE DISPOSAL OR TRANSPORTATION OF EQUIPMENT AND MATERIALS ASSOCIATED WITH ANY STRUCTURAL OR ELECTRICAL COMPONENT OF THE SIGNAL SYSTEM INCLUDING, BUT NOT LIMITED TO POLE BASES, POLES, JUNCTION BOXES, CABINETS, AND WOOD POLES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.24 INSTALL PEDESTRIAN HEAD LED.
REVISION: INSERT THE FOLLOWING SENTENCE AT THE END OF THE PARAGRAPH: THE DEPARTMENT WILL NOT MEASURE THE INSTALLATION OF LED MODULES AND ANY OTHER NECESSARY HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.25 INSTALL SIGNAL LED.
REVISION: INSERT THE FOLLOWING SENTENCE AT THE END OF THE PARAGRAPH: THE DEPARTMENT WILL NOT MEASURE THE INSTALLATION OF LED MODULES, RETROREFLECTIVE TAPE, BACK PLATES, AND ANY OTHER NECESSARY HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.30 BORE AND JACK CONDUIT.
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY IN LINEAR FEET. THIS ITEM SHALL INCLUDE ALL WORK NECESSARY FOR BORING AND INSTALLING CONDUIT UNDER AN EXISTING ROADWAY.

SUBSECTION: 04.36 TRAFFIC SIGNAL POLE BASE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, RESTORATION, FURNISHING AND INSTALLING REINFORCING STEEL, ANCHOR BOLTS, CONDUITS, GROUND RODS, GROUND WIRES, AND GROUND LUGS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.39 INSTALL ANTENNA.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE ANY OTHER MATERIALS NECESSARY TO COMPLETE THE INSTALLATION FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 716:

SUBSECTION: 03.04 CONDUIT INSTALLATION.
REVISION: ADD THE FOLLOWING TO THE PART TO THE SUBSECTION: G) BORE AND JACK. CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SUBSECTIONS 706.03.02, PARAGRAPHS 1, 2 AND 4.

FILE NAME: G:\USERS\SHANNON.RIDDLE\DESKTOP\RESHEET\OLDER\TOO100SU.DGN

USERS: shannon.riddle
DATE: PLOTTED: May 3, 2016

E-SHEET NAME: TOO100SU

MicroStation v8.11.7.443

DESIGNED BY: S.RIDDLE
DATE SUBMITTED:
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS COUNTY OF JEFFERSON
PROJECT _____ NUMBERS: _____
TRAFFIC SIGNAL I265 AT KY3084 ESTIMATE OF QUANTITIES MEASUREMENT, CONST, AND MISC NOTES

REVISED 7/14/2016

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

OFF_RAMP TOTAL	ITS CCTV TOTAL	TOTAL	UNITS	CODE	ITEM DESCRIPTION
20	0	20	LIN FT	4792	CONDUIT 1 INCH
70	0	70	LIN FT	4793	CONDUIT 1 1/4 INCH
0	800	800	LIN FT	24124EC	PVC CONDUIT 2 IN - SCHEDULE 40
2	2	2	EACH	4811	ELECTRICAL JUNCTION BOX TYPE B
80	750	830	LIN FT	4820	TRENCHING AND BACKFILLING
1000	0	1000	LIN FT	4830	LOOP WIRE
1700	0	1700	LIN FT	4844	CABLE-NO. 14/5C
1000	0	1000	LIN FT	4850	CABLE-NO. 14/1 PAIR
0	0	1	EACH	4873	POLE 45' WOODEN
0	0	2	EACH	4884	ANCHOR
600	100	700	LIN FT	4885	MESSENGER-10800 LB
500	0	500	LIN FT	4895	LOOP SAW SLOT AND FILL
1	0	1	EACH	4931	INSTALL SIG CONTROLLER-TYPE 170
4	0	4	LP SUM	4932	INSTALL STEEL STRAIN POLE
1	0	1	EACH	4950	REMOVE SIGNAL EQUIPMENT
10	0	10	EACH	20188NS835	INSTALL SIGNAL-3 SECTION LED
1	0	1	EACH	20266ES835	INSTALL SIGNAL-4 SECTION LED
2	0	2	EACH	2039INS835	ELECTRICAL JUNCTION BOX TYPE A
0	210	210	LIN FT	21543EN	BORE AND JACK CONDUIT
18	0	18	CU YD	23157EN	TRAFFIC SIGNAL POLE BASE
1	0	1	EACH	23982EC	INSTALL ANTENNA

DELETED BID ITEM AND QUANTITY FOR SIGNAL CONTROLLER

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPRIAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP INSTALL ITEMS FROM THE FRANKFORT POLE YARD AND DELIVERING THESE ITEMS TO THE SITE. THE CONTRACTOR SHALL CONTACT FRANKFORT POLE YARD PERSONNEL (502-782-8991) AND ARRANGE TO PICK UP INSTALL ITEMS A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO ARRIVAL. FAILURE TO PROVIDE POLE YARD PERSONNEL THIS ADVANCE NOTICE COULD RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE EQUIPMENT UPON ARRIVAL.

ADD SENTENCE TO SECTION 835.15: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION: 03.02 POLE AND BASE INSTALLATION.
REVISION: REPLACE THE FIRST PARAGRAPH WITH THE FOLLOWING: REGARDLESS OF THE STATION AND OFFSET NOTED, LOCATE ALL POLES/BASES BEHIND THE GUARDRAIL A MINIMUM OF FOUR FEET FROM THE FRONT FACE OF THE GUARDRAIL TO THE FRONT FACE OF THE POLE BASE. ORIENT THE HANDHOLE DOOR AWAY FROM TRAFFIC TRAVEL PATH. IF POLE BASE IS INSTALLED WITHIN A SIDEWALK THE TOP OF THE POLE BASE SHALL BE THE SAME GRADE AS THE SIDEWALK.

SUBSECTION: 03.02 POLE AND BASE INSTALLATION.
PART: A) STEEL STRAIN MAST ARM POLE INSTALLATION.
REVISION: INSERT THE FOLLOWING SENTENCE AT THE BEGINNING OF THE FIRST PARAGRAPH: INSTALL POLE BASES 4 TO 6 INCHES ABOVE GRADE.

SUBSECTION: 03.02 POLE AND BASE INSTALLATION.
PART: A) STEEL STRAIN AND MAST ARM POLE INSTALLATION.
REVISION: REPLACE THE SECOND PARAGRAPH WITH THE FOLLOWING: FOR CONCRETE BASE INSTALLATION, SEE SUBSECTION 716.03.02 B), 2), PARAGRAPHS 2-6. DRILLED SHAFT DEPTH SHALL BE BASED ON THE SOIL CONDITIONS ENCOUNTERED DURING DRILLING AND SLOPE CONDITION AT THE SITE. REFER TO THE DESIGN CHART BELOW.

SUBSECTION: 03.03 TRENCHING.
REVISION: REPLACE THE FIRST SENTENCE WITH THE FOLLOWING: SEE SUBSECTION 716.03.03 (B).

SUBSECTION: 03.03 TRENCHING.
PART: A) UNDER ROADWAY
REVISION: DELETE PART A) UNDER ROADWAY.

SUBSECTION: 03.05 CONDUIT REQUIREMENTS IN JUNCTION BOXES.
REVISION: DELETE THE SUBSECTION AND REPLACE WITH THE FOLLOWING: 723.03.05 FUSE CONNECTOR KITS. SEE SUBSECTION 716.03.09.

SUBSECTION: 03.06 COUPLING INSTALLATION.
REVISION: DELETE THE SUBSECTION AND REPLACE WITH THE FOLLOWING: 723.03.06 PAINTING. SEE SUBSECTION 716.03.15.

SUBSECTION: 03.07 BONDING REQUIREMENTS.
REVISION: DELETE THE SUBSECTION AND REPLACE WITH THE FOLLOWING: 723.03.07 ELECTRICAL JUNCTION BOXES. SEE SUBSECTION 716.03.10.

SUBSECTION: 03.15 PAINTING
REVISION: REMOVE TITLE AND REVISED TO REMOVE SIGNAL EQUIPMENT. REPLACE ENTIRE NOTE WITH THE FOLLOWING:

REMOVE ALL TRAFFIC SIGNAL EQUIPMENT THAT IS IDENTIFIED BY THE ENGINEER AS NO LONGER NECESSARY INCLUDING, BUT NOT LIMITED TO, THE FOLLOWING: POLE BASES, POLES, JUNCTION BOXES, CABINETS, WOOD POLES, AND ADVANCE WARNING FLASHERS. POLE BASES SHALL BE REMOVED A MINIMUM OF ONE FOOT BELOW FINISHED GRADE BY CHIPPING OFF OR OTHER METHOD THAT IS APPROVED BY THE ENGINEER. DISPOSE OF ALL REMOVED CONCRETE OFF RIGHT-OF-WAY. WOOD POLES SHALL BE REMOVED A MINIMUM OF ONE FOOT BELOW FINISHED GRADE. BACKFILL HOLES WITH MATERIAL APPROVED BY THE ENGINEER. CONDUIT MAY BE ABANDONED IN THE GROUND. CONTACT THE DISTRICT TRAFFIC ENGINEER TO DETERMINE IF ANY REMOVED SIGNAL EQUIPMENT NEEDS TO BE RETURNED TO THE DISTRICT AND TO DETERMINE THE LOCATION/TIME FOR SUCH DELIVERIES.

SUBSECTION: 03.17 ACCEPTANCE AND INSPECTION REQUIREMENTS.
REVISION: REPLACE THE FIRST PARAGRAPH OF THE SECTION WITH THE FOLLOWING: SEE SUBSECTION 105.12. IN COORDINATION WITH THE DISTRICT TRAFFIC ENGINEER, ENERGIZE TRAFFIC CONTROL DEVICE AS SOON AS IT IS FULLY FUNCTIONAL AND READY FOR INSPECTION. AFTER THE WORK HAS BEEN COMPLETED, CONDUCT AN OPERATIONAL TEST DEMONSTRATING THAT THE SYSTEM OPERATES IN ACCORDANCE WITH THE PLANS IN THE PRESENCE OF THE ENGINEER. THE DEPARTMENT WILL ALSO CONDUCT ITS OWN TESTS WITH ITS OWN EQUIPMENT BEFORE FINAL ACCEPTANCE. ENSURE THAT THE TRAFFIC CONTROL DEVICE REMAINS OPERATIONAL UNTIL THE DIVISION OF TRAFFIC OPERATIONS HAS PROVIDED WRITTEN ACCEPTANCE OF THE ELECTRICAL WORK.

SUBSECTION: 04.01 CONDUIT
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE CONDUIT FITTINGS, GROUND LUGS, TEST PLUGS, EXPANSION JOINTS, AND CLAMPS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.02 ELECTRICAL JUNCTION BOX TYPE VARIOUS.
REVISION: REPLACE THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT FURNISHED AND INSTALLED. THE DEPARTMENT WILL NOT MEASURE ADDITIONAL JUNCTION BOXES FOR GREATER DEPTHS THAN THOSE IDENTIFIED IN PLANS, AGGREGATE (#57), BACKFILLING RESTORATION OF DISTURBED AREAS TO THE SATISFACTION OF THE ENGINEER, GEOTEXTILE FABRIC, CONCRETE, HOT DIPPED GALVANIZED COVER, STAINLESS STEEL SCREWS, RUBBER GASKET, AND ANY ASSOCIATED HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.03 TRENCHING AND BACKFILLING.
REVISION: REPLACE THE SECOND SENTENCE WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, UNDERGROUND UTILITY WARNING TAPE, AND THE RESTORATION OF DISTURBED AREAS TO ORIGINAL CONDITION FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.05 LOOP WIRE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE SPLICE BOOTS, CABLE RINGS, AND ANY OTHER NECESSARY HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.06 CABLE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE SPLICE BOOTS, CABLE RINGS, AND ANY OTHER HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.07 POLE- WOODEN.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, AND RESTORING DISTURBED AREAS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.08 STEEL STRAIN POLE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, AND RESTORING DISTURBED AREAS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.12 ANCHOR.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE DOWN-GUY, MESSENGER, CLAMPS, GUY GUARD, OR INSULATORS AND POSSIBLE INSTALLATION IN VARIOUS SOIL CONDITIONS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.13 MESSENGER.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE STRAND VISES, BOLTS, WASHERS, AND OTHER NECESSARY HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.15 LOOP SAW SLOT AND FILL.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE SAWING, CLEANING, FILLING INDUCTION LOOP SAW SLOT, LOOP SEALANT, BACKER ROD, DRILLING HOLE FOR CONDUIT, AND GROUT FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.17 SIGNAL.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE FURNISHING AND INSTALLING LED MODULES, RETROREFLECTIVE TAPE, BACK PLATES, AND ANY OTHER HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.18 SIGNAL CONTROLLER TYPE 170.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE THE CONCRETE BASE, MOUNTING THE CABINET, CONNECTING THE SIGNAL AND DETECTORS, EXCAVATION, BACKFILLING, RESTORATION, ANY NECESSARY POLE MOUNTING HARDWARE, ELECTRIC SERVICE, ELECTRICAL INSPECTION FEES, AND BUILDING FEES INVOLVING SECONDARY/PRIMARY SERVICE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE FURNISHING AND CONNECTING THE INDUCTION OF LOOP AMPLIFIERS, PEDESTRIAN ISOLATORS, LOAD SWITCHES, MODEL 400 MODEM CARD, ELECTRICAL SERVICE CONDUCTORS, CONDUITS, ANCHORS, METER BASE, FUSED CUTOFF, FUSES, GROUND RODS, GROUND WIRES, AND GROUND LUGS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.19 BEACON CONTROLLER 2 CIRCUIT.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE THE CONTROLLER HOUSING, MOUNTING EQUIPMENT, S5-1 SCHOOL ZONE SIGN, TIME CLOCK, NEMA FLASHER, GROUND RODS, GROUND WIRES, GROUND LUGS, METERING DISCONNECT HARDWARE, ELECTRICAL INSPECTION FEES, AND REQUIRED BUILDING FEES INVOLVING UTILITY SECONDARY/PRIMARY SERVICE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.20 INSTALL SIGNAL CONTROLLER TYPE 170.
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT INSTALLED. THE DEPARTMENT WILL NOT MEASURE THE CONCRETE BASE, MOUNTING THE CABINET, CONNECTING THE SIGNAL AND DETECTORS, EXCAVATION, BACKFILLING, RESTORATION, ANY NECESSARY POLE MOUNTING HARDWARE, ELECTRIC SERVICE, ELECTRICAL INSPECTION FEES, AND REQUIRED BUILDING FEES INVOLVING UTILITY SECONDARY/PRIMARY SERVICE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE CONNECTING THE INDUCTION LOOP AMPLIFIERS, PEDESTRIAN ISOLATORS, LOAD SWITCHES, MODEL 400 MODEM CARD FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL ALSO NOT MEASURE FURNISHING AND INSTALLING ELECTRICAL SERVICE CONDUCTORS, CONDUITS, ANCHORS, METER BASE, FUSED CUTOFF, FUSES, GROUND RODS, GROUND LUGS, AND GROUND WIRES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.21 INSTALL STEEL STRAIN POLE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE ANY NECESSARY CLAMP ASSEMBLIES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.22 REMOVE SIGNAL EQUIPMENT. (CONSTRUCTION ONLY)
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY BY EACH. THE DEPARTMENT WILL NOT MEASURE BACKFILLING AND THE DISPOSAL OR TRANSPORTATION OF EQUIPMENT AND MATERIALS ASSOCIATED WITH ANY STRUCTURAL OR ELECTRICAL COMPONENT OF THE SIGNAL SYSTEM INCLUDING, BUT NOT LIMITED TO POLE BASES, POLES, JUNCTION BOXES, CABINETS, AND WOOD POLES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.24 INSTALL PEDESTRIAN HEAD LED.
REVISION: INSERT THE FOLLOWING SENTENCE AT THE END OF THE PARAGRAPH: THE DEPARTMENT WILL NOT MEASURE THE INSTALLATION OF LED MODULES AND ANY OTHER NECESSARY HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.25 INSTALL SIGNAL LED.
REVISION: INSERT THE FOLLOWING SENTENCE AT THE END OF THE PARAGRAPH: THE DEPARTMENT WILL NOT MEASURE THE INSTALLATION OF LED MODULES, RETROREFLECTIVE TAPE, BACK PLATES, AND ANY OTHER NECESSARY HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.30 BORE AND JACK CONDUIT.
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING: THE DEPARTMENT WILL MEASURE THE QUANTITY IN LINEAR FEET. THIS ITEM SHALL INCLUDE ALL WORK NECESSARY FOR BORING AND INSTALLING CONDUIT UNDER AN EXISTING ROADWAY.

SUBSECTION: 04.36 TRAFFIC SIGNAL POLE BASE.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE EXCAVATION, BACKFILLING, RESTORATION, FURNISHING AND INSTALLING REINFORCING STEEL, ANCHOR BOLTS, CONDUITS, GROUND RODS, GROUND WIRES, AND GROUND LUGS FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SUBSECTION: 04.39 INSTALL ANTENNA.
REVISION: REPLACE THE SECOND SENTENCE OF THE SUBSECTION WITH THE FOLLOWING: THE DEPARTMENT WILL NOT MEASURE ANY OTHER MATERIALS NECESSARY TO COMPLETE THE INSTALLATION FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 716:

SUBSECTION: 03.04 CONDUIT INSTALLATION.
REVISION: ADD THE FOLLOWING TO THE PART TO THE SUBSECTION: G) BORE AND JACK. CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH SUBSECTIONS 706.03.02, PARAGRAPHS 1, 2 AND 4.

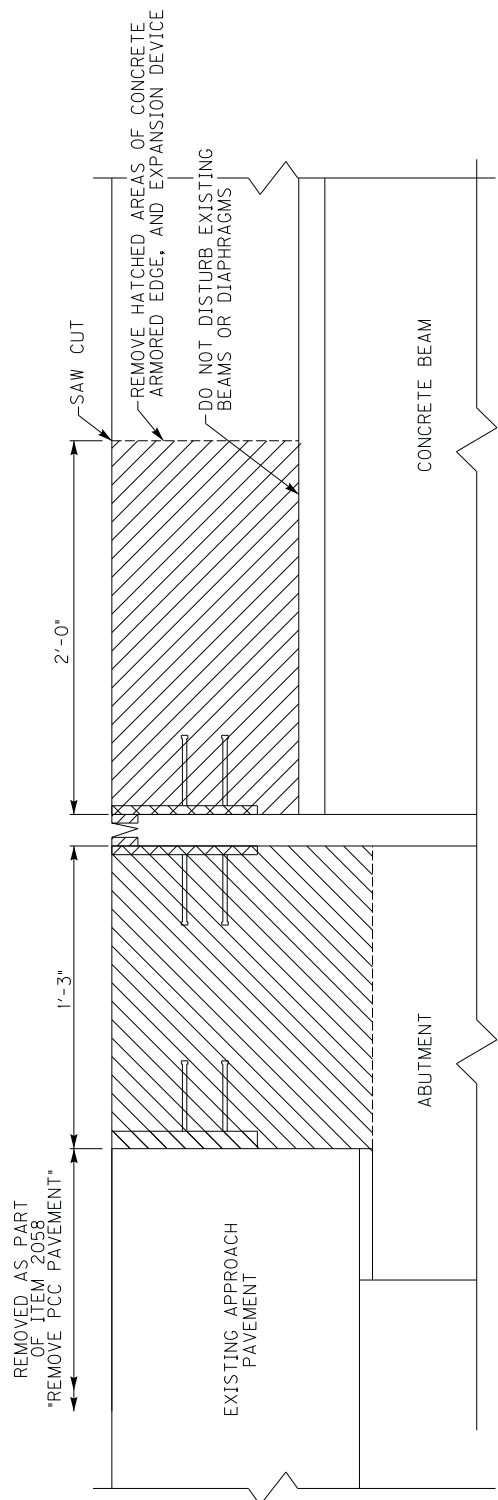
FILE NAME: G:\USERS\SHANNON.RIDDLE\DESKTOP\RESHEET\OLDER\T00100SU.DGN

USERS: shannon.riddle
DATE: PLOTTED: May 3, 2016

E-SHEET NAME: T00100SU

MicroStation v8.11.7.443

DESIGNED BY: S.RIDDLE
DATE SUBMITTED:
Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS COUNTY OF JEFFERSON
PROJECT _____ NUMBERS: _____
TRAFFIC SIGNAL I265 AT KY3084 ESTIMATE OF QUANTITIES MEASUREMENT, CONST, AND MISC NOTES



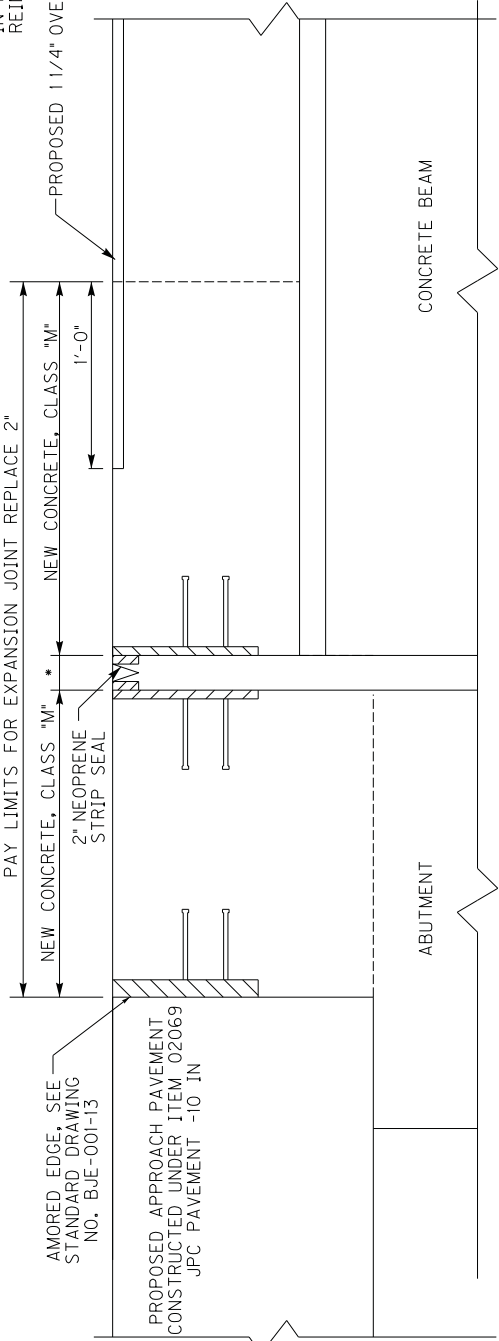
EXISTING SECTION

NOTE: CLEAN AND LEAVE STEEL REINFORCEMENT IN PLACE AND REPAIR/REPLACE DAMAGED REINFORCEMENT AS DIRECTED BY THE ENGINEER

NOTE: ITEM 3295 *EXPANSION JOINT REPLACE 2** INCLUDES ALL WORK AND MATERIALS TO REMOVE AND REPLACE EXISTING EXPANSION JOINT AND ARMORED EDGE UNLESS NOTED OTHERWISE.

NOTE: EXISTING REINFORCEMENT NOT SHOWN FOR CLARITY

*NOTE: FOLLOW MANUFACTURERS RECOMMENDATIONS FOR JOINT OPENING



PROPOSED SECTION

NOTE: SEE STANDARD DRAWING NO. BJE-001-13

EXPANSION JOINT REPLACEMENT

ABUTMENT 1 & ABUTMENT 2

NOT TO SCALE

Commonwealth of Kentucky DEPARTMENT OF HIGHWAYS	
ROUTE KY 3084	ENGINEERING I-265
COUNTY JEFFERSON	
PROJECT JOINT REPLACEMENT DETAILS	
DESIGNED BY Division of Structural Design	SHEET NO. 1
DRAWING NO. AMERICAN ENGINEERS, INC.	

PROPOSAL BID ITEMS

REVISED ADDENDUM #2: 7-19-16

161245

Page 1 of 4

Report Date 7/19/16

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	5,471.00	TON		\$	
0020	00078		CRUSHED AGGREGATE SIZE NO 2	14,947.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	52.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	7.00	TON		\$	
0050	02069		JPC PAVEMENT-10 IN	6,137.00	SQYD		\$	
0060	02081		JPC PAVEMENT-8 IN SHLD	2,641.00	SQYD		\$	
0070	02083		JPC PAVEMENT-10 IN SHLD	1,130.00	SQYD		\$	
0080	02084		JPC PAVEMENT-8 IN	5,301.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0090	01000		PERFORATED PIPE-4 IN	56.00	LF		\$	
0100	01010		NON-PERFORATED PIPE-4 IN	16.00	LF		\$	
0110	01020		PERF PIPE HEADWALL TY 1-4 IN	1.00	EACH		\$	
0120	01028		PERF PIPE HEADWALL TY 3-4 IN	1.00	EACH		\$	
0130	01890		ISLAND HEADER CURB TYPE 1	115.00	LF		\$	
0140	01919		STANDARD BARRIER MEDIAN TYPE 3	1,734.00	SQYD		\$	
0150	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	31.00	EACH		\$	
0160	02014		BARRICADE-TYPE III	4.00	EACH		\$	
0170	02058		REMOVE PCC PAVEMENT	7,548.00	SQYD		\$	
0180	02060		PCC PAVEMENT DIAMOND GRINDING	43,725.00	SQYD		\$	
0190	02159		TEMP DITCH	5,808.00	LF		\$	
0200	02160		CLEAN TEMP DITCH	5,808.00	LF		\$	
0210	02200		ROADWAY EXCAVATION	24,218.00	CUYD		\$	
0220	02242		WATER (FOR DUST CONTROL)	120.00	MGAL		\$	
0230	02261		FENCE-WOVEN WIRE	250.00	LF		\$	
0240	02265		REMOVE FENCE	250.00	LF		\$	
0250	02351		GUARDRAIL-STEEL W BEAM-S FACE	2,012.50	LF		\$	
0260	02360		GUARDRAIL TERMINAL SECTION NO 1	1.00	EACH		\$	
0270	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	2.00	EACH		\$	
0280	02381		REMOVE GUARDRAIL	2,619.00	LF		\$	
0290	02391		GUARDRAIL END TREATMENT TYPE 4A	2.00	EACH		\$	
0300	02483		CHANNEL LINING CLASS II	2,613.00	TON		\$	
0310	02484		CHANNEL LINING CLASS III	277.00	TON		\$	
0320	02545		CLEARING AND GRUBBING (APPROXIMATELY 29 ACRES)	1.00	LS		\$	
0330	02562		TEMPORARY SIGNS	100.00	SQFT		\$	
0340	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0350	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0360	02701		TEMP SILT FENCE	2,904.00	LF		\$	
0370	02703		SILT TRAP TYPE A	58.00	EACH		\$	
0380	02704		SILT TRAP TYPE B	58.00	EACH		\$	
0390	02705		SILT TRAP TYPE C	29.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0400	02706		CLEAN SILT TRAP TYPE A	174.00	EACH		\$	
0410	02707		CLEAN SILT TRAP TYPE B	174.00	EACH		\$	
0420	02708		CLEAN SILT TRAP TYPE C	87.00	EACH		\$	
0430	02726		STAKING	1.00	LS		\$	
0440	03295		EXPAN JOINT REPLACE 2 IN	204.00	LF		\$	
0450	03299		ARMORED EDGE FOR CONCRETE	204.00	LF		\$	
0460	05950		EROSION CONTROL BLANKET	139.00	SQYD		\$	
0470	05952		TEMP MULCH	140,360.00	SQYD		\$	
0480	05953		TEMP SEEDING AND PROTECTION	140,360.00	SQYD		\$	
0490	05963		INITIAL FERTILIZER	14.60	TON		\$	
0500	05964		20-10-10 FERTILIZER	4.80	TON		\$	
0510	05985		SEEDING AND PROTECTION	91,960.00	SQYD		\$	
0520	05989		SPECIAL SEEDING CROWN VETCH	4,066.00	SQYD		\$	
0530	05992		AGRICULTURAL LIMESTONE	87.00	TON		\$	
0540	06540		PAVE STRIPING-THERMO-4 IN W	10,770.00	LF		\$	
0550	06541		PAVE STRIPING-THERMO-4 IN Y	6,184.00	LF		\$	
0560	06542		PAVE STRIPING-THERMO-6 IN W	5,631.00	LF		\$	
0570	06543		PAVE STRIPING-THERMO-6 IN Y	3,312.00	LF		\$	
0580	06544		PAVE STRIPING-THERMO-8 IN W	365.00	LF		\$	
0590	06546		PAVE STRIPING-THERMO-12 IN W	369.00	LF		\$	
0600	06568		PAVE MARKING-THERMO STOP BAR-24IN	369.00	LF		\$	
0610	06569		PAVE MARKING-THERMO CROSS-HATCH	8,219.00	SQFT		\$	
0620	06572		PAVE MARKING-DOTTED LANE EXTEN	276.00	LF		\$	
0630	06574		PAVE MARKING-THERMO CURV ARROW	110.00	EACH		\$	
0640	08504		EPOXY SAND SLURRY	80.00	SQYD		\$	
0650	08526		CONC CLASS M FULL DEPTH PATCH	33.00	CUYD		\$	
0660	08534		CONCRETE OVERLAY-LATEX (REVISED: 7-19-16)	101.10	CUYD		\$	
0670	08549		BLAST CLEANING	2,998.00	SQYD		\$	
0680	08551		MACHINE PREP OF SLAB	2,998.00	SQYD		\$	
0690	10020NS		FUEL ADJUSTMENT	16,216.00	DOLL		\$	
0700	20550ND		SAWCUT PAVEMENT	10,473.00	LF		\$	
0710	22665EN		REMOVE NON-MOUNTABLE MEDIAN	3,785.00	SQYD		\$	
0720	24489EC		INLAID PAVEMENT MARKER	292.00	EACH		\$	
0730	24731EC		REMOVE AND RESET (CURB BOX INLET, TOP PHASE AT BRIDGE ENDS)	2.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0740	00469		CULVERT PIPE-42 IN	38.00	LF		\$	
0750	01214		PIPE CULVERT HEADWALL-42 IN	1.00	EACH		\$	
0760	01310		REMOVE PIPE	4.00	LF		\$	
0770	08100		CONCRETE-CLASS A	50.00	CUYD		\$	
0780	08150		STEEL REINFORCEMENT	3,642.00	LB		\$	
0790	24076EC		CONCRETE ANCHOR (FOR PIPE)	1.00	EACH		\$	

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Section: 0004 - BRIDGE - CULVERT #1- DWG. 27563

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0800	02403		REMOVE CONCRETE MASONRY	25.70	CUYD		\$	
0810	02555		CONCRETE-CLASS B	17.30	CUYD		\$	
0820	08002		STRUCTURE EXCAV-SOLID ROCK	38.40	CUYD		\$	
0830	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0840	08100		CONCRETE-CLASS A	74.20	CUYD		\$	
0850	08150		STEEL REINFORCEMENT (REVISED: 7-12-16)	10,335.00	LB		\$	

Section: 0005 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0860	06406		SBM ALUM SHEET SIGNS .080 IN	416.00	SQFT		\$	
0870	06407		SBM ALUM SHEET SIGNS .125 IN	90.00	SQFT		\$	
0880	06410		STEEL POST TYPE 1	991.00	LF		\$	
0890	06490		CLASS A CONCRETE FOR SIGNS	1.00	CUYD		\$	
0900	21373ND		REMOVE SIGN	52.00	EACH		\$	
0910	24631EC		BARCODE SIGN INVENTORY	143.00	EACH		\$	

Section: 0006 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0920	04792		CONDUIT-1 IN	20.00	LF		\$	
0930	04793		CONDUIT-1 1/4 IN	70.00	LF		\$	
0940	04811		ELECTRICAL JUNCTION BOX TYPE B	2.00	EACH		\$	
0950	04830		LOOP WIRE	1,000.00	LF		\$	
0960	04844		CABLE-NO. 14/5C	1,700.00	LF		\$	
0970	04850		CABLE-NO. 14/1 PAIR	1,000.00	LF		\$	
0980	04895		LOOP SAW SLOT AND FILL	500.00	LF		\$	
0990	04931		INSTALL CONTROLLER TYPE 170	1.00	EACH		\$	
1000	04932		INSTALL STEEL STRAIN POLE	4.00	EACH		\$	
1010	04950		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	
1020	20188NS835		INSTALL LED SIGNAL-3 SECTION	10.00	EACH		\$	
1030	20266ES835		INSTALL LED SIGNAL- 4 SECTION	1.00	EACH		\$	
1040	23157EN		TRAFFIC SIGNAL POLE BASE	18.00	CUYD		\$	
1050	23982EC		INSTALL ANTENNA	1.00	EACH		\$	

Section: 0007 - INTELLIGENT TRANSPORTATION SYSTEMS

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1070	04820		TRENCHING AND BACKFILLING	830.00	LF		\$	
1080	04873		POLE 45 FT WOODEN	1.00	EACH		\$	
1090	04884		ANCHOR	2.00	EACH		\$	
1100	04885		MESSENGER-10800 LB	700.00	LF		\$	
1110	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	2.00	EACH		\$	
1120	21543EN		BORE AND JACK CONDUIT	210.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1130	24124EC		PVC CONDUIT-2 IN-SCHEDULE 40	800.00	LF		\$	

Section: 0008 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1140	02568		MOBILIZATION	1.00	LS		\$	
1150	02569		DEMOBILIZATION	1.00	LS		\$	