



TRANSPORTATION CABINET

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

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

May 9, 2011

CALL NO. 200
CONTRACT ID NO. 111024
Addendum # 1

Subject: Christian County, 024GR11D024-IM & JL03
Letting May 20, 2011

- (1) Revised - Plan Sheets R2, R2A, R2b, R2C, R2E
- (2) Revised - Material Summary - Page 39 of 134
- (3) Revised - Bid Items - Page 125 thru 134 of 134

Proposal revisions are available at <http://transportation.ky.gov/contract/>.

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 blue ink that reads "Ryan Griffith".

Ryan Griffith
Director
Division of Construction Procurement

RG:jj

Enclosures



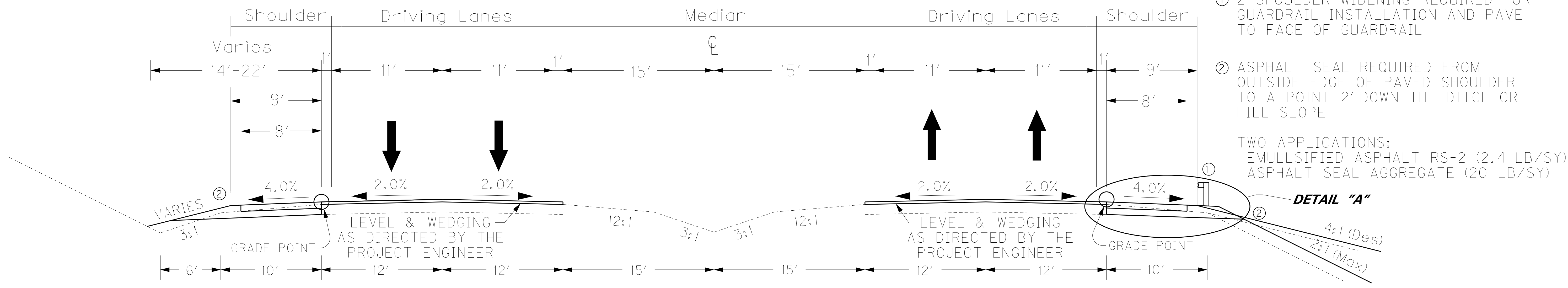
An Equal Opportunity Employer M/F/D

TYPICAL SECTION

Item No.: 2-311.10, US41A, Christian County

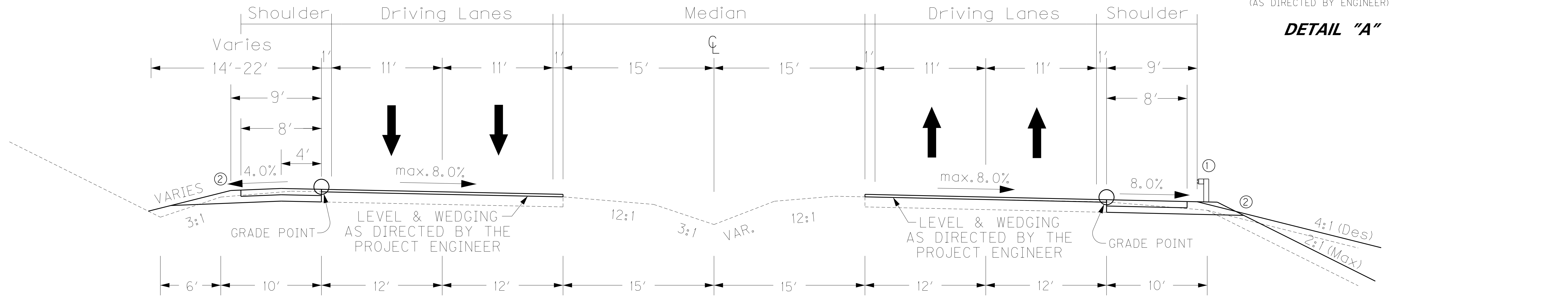
WIDENED SHOULDER & MEDIAN IMPROVEMENTS

FROM STA. 114+00 (MP 4.7) JUST NORTH OF I-24 TO STA. 312+73.55
SOUTH OF MASONVILLE (R.R.) BRIDGE & FROM STA. 344+48.31 NORTH OF MASONVILLE
(R.R.) BRIDGE TO LEFT STA. 558+69.70



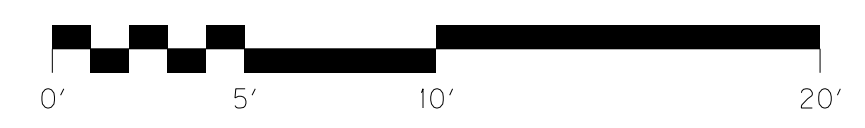
Existing NORMAL SECTION

(0.5" TO BE MILLED FROM EXISTING PAVEMENT)



Existing SUPERELEVATED SECTION

(0.5" TO BE MILLED FROM EXISTING PAVEMENT)



U.S. 41A IMPROVEMENTS
TYPICAL SECTIONS

FILE NAME: C:\PWORK\JEANR.JONES\0393203\ROO200TS.DGN
 USER: JeanR.Jones
 DATE PLOTTED: May 4, 2011
 E-SHEET NAME: ROO200TS
 MicroStation v8.11.7.180

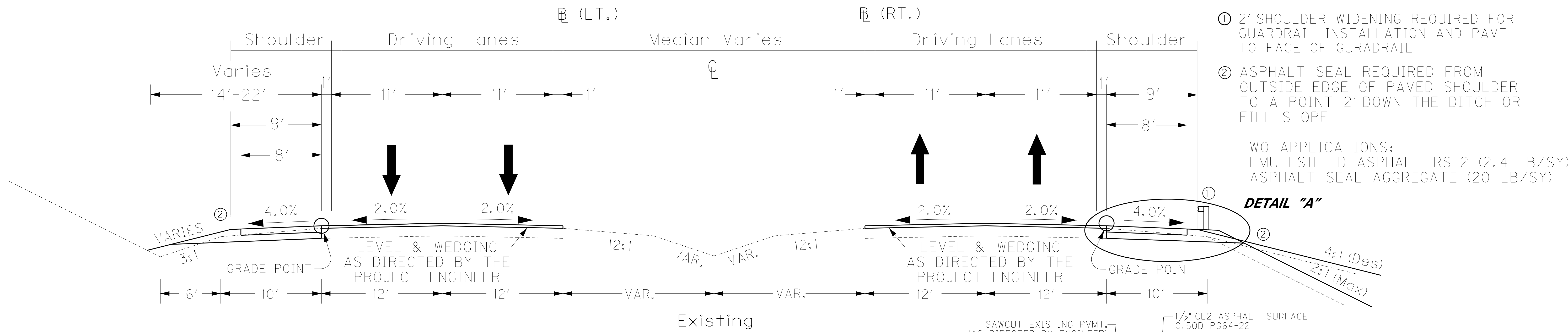
COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-311.10 2-311.20	R2A

TYPICAL SECTION

Item No.: 2-311.10, US41A, Christian County

WIDENED SHOULDER & MEDIAN IMPROVEMENTS – BIFURCATED AREA

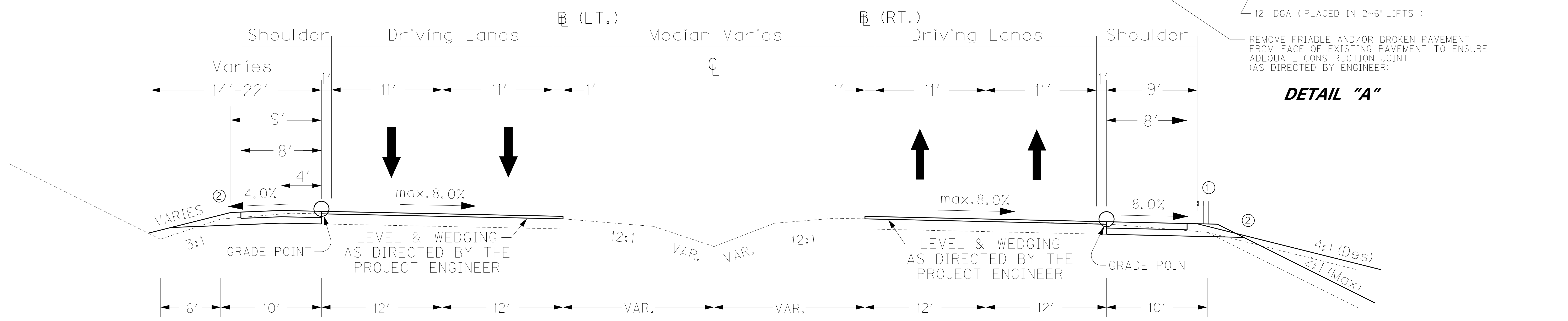
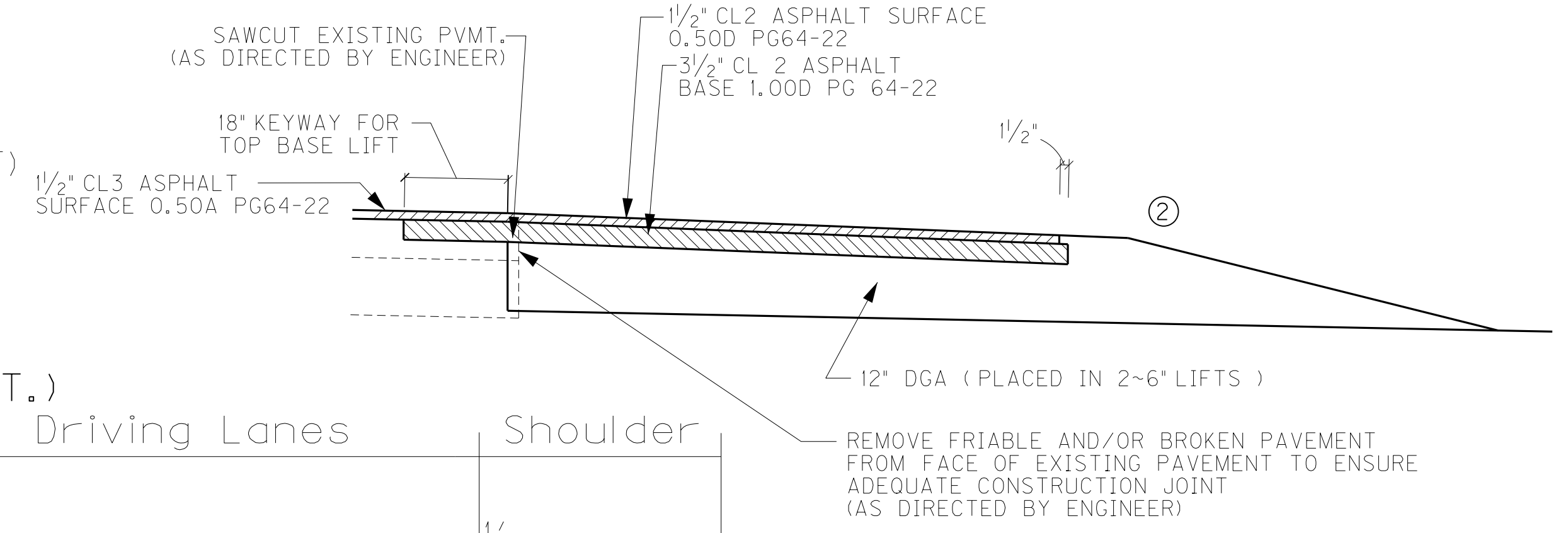
FROM US41A BASELINE LT.STA. 50+00 (STA. 312+73.55 @ US41A) TO US41A BASELINE LT. STA. 81+76.79 (STA. 344+48.31 @ US41A)
 FROM US41A BASELINE RT.STA. 10+00 (STA. 312+73.55 @ US41A) TO US41A BASELINE RT. STA. 41+71.98 (STA. 344+48.31 @ US41A)



- ① 2' SHOULDER WIDENING REQUIRED FOR GUARDRAIL INSTALLATION AND PAVE TO FACE OF GUARDRAIL
 - ② ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE
- TWO APPLICATIONS:
 EMULSIFIED ASPHALT RS-2 (2.4 LB/SY)
 ASPHALT SEAL AGGREGATE (20 LB/SY)

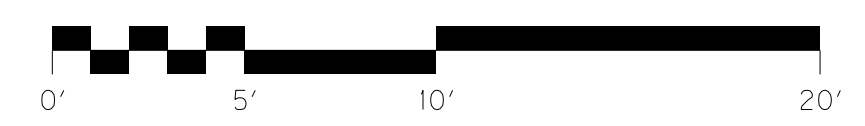
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Existing SUPERELEVATED SECTION

(0.5" TO BE MILLED FROM EXISTING PAVEMENT)



U.S. 41A IMPROVEMENTS
TYPICAL SECTIONS

FILE NAME: U:\97101.2010\ROADWAY\PHASE2\ALTERNATEDITCHDESIGN\E-SHEETS\ROO20ATS.DGN
 USER: mhudson
 DATE PLOTTED: April 15, 2011
 E-SHEET NAME: ROO20ATS
 MicroStation v8.11.7.180

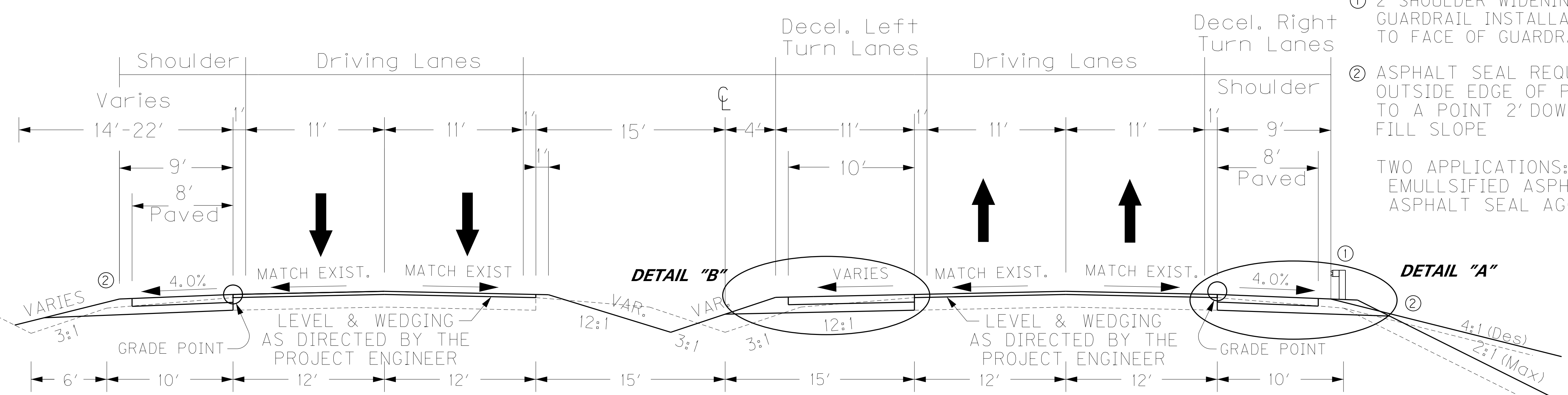
COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-311.10 2-311-20	R2B

TYPICAL SECTION

Item No.: 2-311.10, US41A, Christian County

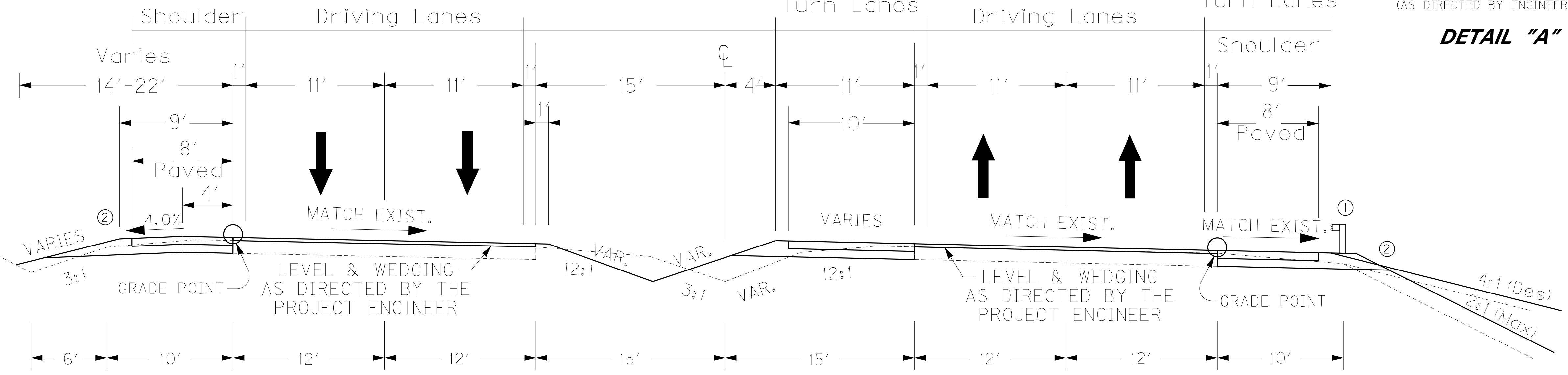
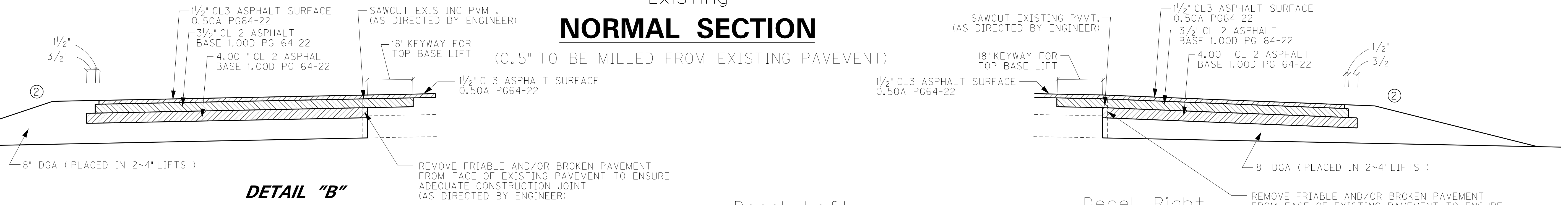
WIDENED SHOULDER & MEDIAN IMPROVEMENTS

- ① 2' SHOULDER WIDENING REQUIRED FOR GUARDRAIL INSTALLATION AND PAVE TO FACE OF GUARDRAIL
 - ② ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE
- TWO APPLICATIONS:
EMULSIFIED ASPHALT RS-2 (2.4 LB/SY)
ASPHALT SEAL AGGREGATE (20 LB/SY)



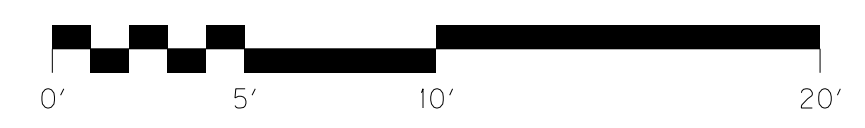
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Existing SUPERELEVATED SECTION

(0.5" TO BE MILLED FROM EXISTING PAVEMENT)



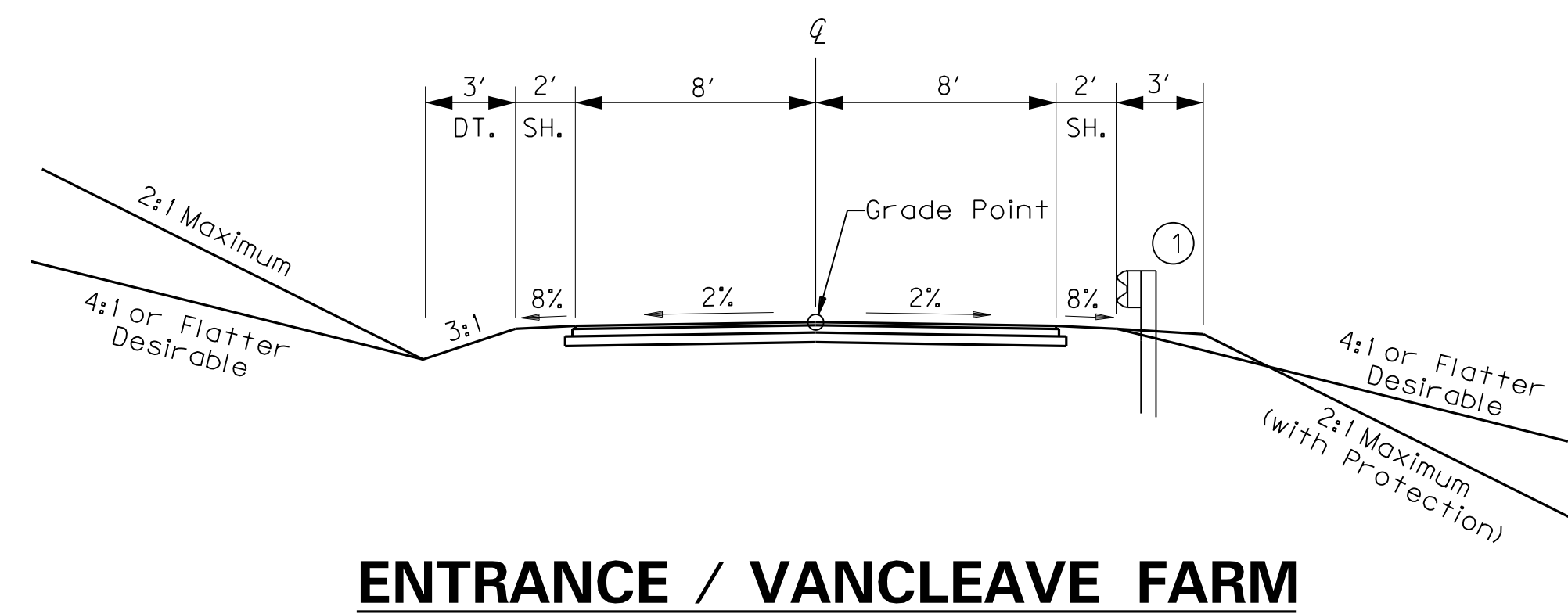
U.S. 41A IMPROVEMENTS
TYPICAL SECTIONS

FILE NAME: U:\97101\2010\ROADWAY\PHASE2\ALTERNATED\TCHDESIGN\E-SHEETS\R0020BTS.DGN
 USER: mhudson
 DATE PLOTTED: April 15, 2011
 E-SHEET NAME: R0020BTS
 MicroStation v8.11.7.180

COUNTY OF	ITEM NO.	SHEET NO.
CHRISTIAN	2-311.10 2-311.20	R2C

TYPICAL SECTIONS

Item No.: 2-311.10, US41A, Christian County



ENTRANCE PAVEMENT ASPHALT DESIGN VANCLEAVE FARM ENTRANCE	
1.5" SURFACE	1.5" DEPTH CLASS 2 ASPHALT SURFACE 0.50D PG 64-22
10.0" BASE	6.0" DEPTH CLASS 2 ASPHALT BASE 1.00D PG 64-22 (3.0"+3.0") 4.0" DEPTH DGA

FILE NAME: U:\97101\2010\ROADWAY\PHASE2\TYPICALS\TYP_HIFT_LANES9FT_SHLD_BFRCTD.DGN

USER: bpickering
DATE PLOTTED: October 21, 2010

E-SHEET NAME: R0020CTS

MicroStation v8.5.2.70

① WIDEN SHOULDER 3' FOR GUARDRAIL

NOT TO SCALE

U.S. 41A IMPROVEMENTS
TYPICAL SECTIONS
VANCLEAVE FARM ENTRANCE

MATERIAL SUMMARY

CONTRACT ID: 111024

IM 0243(050)

PES NO: DE02400241124

I-24-US 41A INTERCHANGE MODIFY I-24-US 41A INTERCHANGE AT FT. CAMPBELL

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0010	00001	DGA BASE	1,538.00	TON
0030	00001	DGA BASE	3,794.50	TON
		(REVISED: 5-9-11)		
0020	00078	CRUSHED AGGREGATE SIZE NO 2	3.00	TON
0040	00100	ASPHALT SEAL AGGREGATE	242.00	TON
0050	00190	LEVELING & WEDGING PG64-22	281.40	TON
0060	00214	CL3 ASPH BASE 1.00D PG64-22	335.00	TON
0070	00291	EMULSIFIED ASPHALT RS-2	30.00	TON
0080	00333	CL4 ASPH SURF 0.50A PG64-22	1,697.20	TON
0090	00466	CULVERT PIPE-30 IN	33.50	LF
0100	00521	STORM SEWER PIPE-15 IN	162.50	LF
0110	01000	PERFORATED PIPE-4 IN	967.00	LF
0120	01010	NON-PERFORATED PIPE-4 IN	74.00	LF
		(REVISED: 5-9-11)		
0130	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS
0140	01028	PERF PIPE HEADWALL TY 3-4 IN	3.00	EACH
0150	01452	S & F BOX INLET-OUTLET-30 IN	2.00	EACH
0160	01505	DROP BOX INLET TYPE 5B	1.00	EACH
0170	01584	CAP DROP BOX INLET	1.00	EACH
0180	01812	REMOVE CURB AND GUTTER	272.00	LF
0190	01845	ISLAND INTEGRAL CURB	347.00	LF
0200	01982	DELINEATOR FOR GUARDRAIL-WHITE	75.00	EACH
0210	01983	DELINEATOR FOR GUARDRAIL-YELLOW	52.00	EACH
0220	01984	DELINEATOR FOR BARRIER-WHITE	16.00	EACH
0230	01985	DELINEATOR FOR BARRIER-YELLOW	16.00	EACH
0240	02003	RELOCATE TEMP CONC BARRIER	2,640.00	LF
0250	02014	BARRICADE-TYPE III	1.00	EACH
0260	02058	REMOVE PCC PAVEMENT	6,584.00	SQYD
0270	02060	PCC PAVEMENT DIAMOND GRINDING	30,446.00	SQYD
0280	02069	JPC PAVEMENT-10 IN	8,246.00	SQYD
0290	02075	JPC PAVEMENT-6 IN	3,416.00	SQYD
0300	02091	REMOVE PAVEMENT	2,356.00	SQYD
0310	02115	SAW-CLEAN-RESEAL TVERSE JOINT	21,193.00	LF
0320	02116	SAW-CLEAN-RESEAL LONGIT JOINT	21,742.00	LF
0330	02159	TEMP DITCH	1,325.00	LF
0340	02165	REMOVE PAVED DITCH	343.00	SQYD
0350	02200	ROADWAY EXCAVATION	2,653.00	CUYD
0360	02230	EMBANKMENT IN PLACE	1,879.00	CUYD
0370	02237	DITCHING	37,986.00	LF
0380	02242	WATER	9.50	MGAL
0390	02351	GUARDRAIL-STEEL W BEAM-S FACE	150.00	LF
0400	02352	GUARDRAIL-STEEL W BEAM-D FACE	550.00	LF
0410	02360	GUARDRAIL TERMINAL SECTION NO 1	2.00	EACH
0420	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	4.00	EACH
0430	02365	CRASH CUSHION TYPE IX-A	4.00	EACH
0440	02369	GUARDRAIL END TREATMENT TYPE 2A	10.00	EACH
0450	02381	REMOVE GUARDRAIL	12,912.50	LF
0460	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A	2.00	EACH
0470	02391	GUARDRAIL END TREATMENT TYPE 4A	12.00	EACH
0480	02395	REMOVE GUARDRAIL TERMINAL SECT	2.00	EACH
0490	02396	REMOVE GUARDRAIL END TREATMENT	22.00	EACH
0500	02483	CHANNEL LINING CLASS II	359.70	TON
0510	02562	SIGNS	164.00	SQFT
0520	02599	FABRIC-GEOTEXTILE TYPE IV	2,617.80	SQYD

MATERIAL SUMMARY

CONTRACT ID: 111024

0530	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	246.50	SQYD
0540	02625	REMOVE HEADWALL	2.00	EACH
0550	02650	MAINTAIN & CONTROL TRAFFIC IM	1.00	LS
0560	02653	LANE CLOSURE	8.00	EACH
0570	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH
0580	02676	MOBILIZATION FOR MILL & TEXT IM	1.00	LS
0590	02677	ASPHALT PAVE MILLING & TEXTURING	2,825.80	TON
0600	02701	TEMP SILT FENCE	18,996.00	LF
0610	02703	SILT TRAP TYPE A	3.00	EACH
0620	02704	SILT TRAP TYPE B	3.00	EACH
0630	02705	SILT TRAP TYPE C	14.00	EACH
0640	02706	CLEAN SILT TRAP TYPE A	3.00	EACH
0650	02707	CLEAN SILT TRAP TYPE B	3.00	EACH
0660	02708	CLEAN SILT TRAP TYPE C	14.00	EACH
0670	02709	CLEAN TEMP SILT FENCE	18,996.00	LF
0680	02726	STAKING IM	1.00	LS
0690	02775	ARROW PANEL	4.00	EACH
0700	02898	RELOCATE CRASH CUSHION	1.00	EACH
0710	03171	CONCRETE BARRIER WALL TYPE 9T	1,475.00	LF
0720	05950	EROSION CONTROL BLANKET	106.00	SQYD
0730	05952	TEMP MULCH	15,133.00	SQYD
0740	05953	TEMP SEEDING AND PROTECTION	15,133.00	SQYD
0750	05966	TOPDRESSING FERTILIZER	1.00	TON
0760	05985	SEEDING AND PROTECTION	15,133.00	SQYD
0770	06417	FLEXIBLE DELINEATOR POST-W	231.00	EACH
0780	06418	FLEXIBLE DELINEATOR POST-Y	164.00	EACH
0790	06550	PAVE STRIPING-TEMP REM TAPE-W	7,300.00	LF
0800	06551	PAVE STRIPING-TEMP REM TAPE-Y	7,300.00	LF
0810	06568	PAVE MARKING-THERMO STOP BAR-24IN	114.00	LF
0820	06574	PAVE MARKING-THERMO CURV ARROW	7.00	EACH
0830	06592	PAVEMENT MARKER TYPE V-B W/R	384.00	EACH
0840	06593	PAVEMENT MARKER TYPE V-B Y/R	228.00	EACH
0850	06600	REMOVE PAVEMENT MARKER TYPE V	612.00	EACH
0860	08100	CONCRETE-CLASS A	58.00	CUYD
0870	10020NS	FUEL ADJUSTMENT	7,698.00	DOLL
0880	10030NS	ASPHALT ADJUSTMENT	6,225.00	DOLL
0890	20314ED	MILLED RUMBLE STRIPS	5,370.00	LF
0900	20738NS112	TEMP CRASH CUSHION	1.00	EACH
0910	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	12,362.50	LF
0920	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	18,238.00	LF
0930	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	13,251.00	LF
0940	22856EN	PAVE STRIPE PERM-12 IN HD21-WHITE	4,657.00	LF
0950	23131ER701	PIPELINE VIDEO INSPECTION	89.00	LF
0960	23237EN10W	WATERBLAST STRIPE REMOVAL	46,001.00	LF
0970	23665EN	PAVE STRIPE PERM-4 IN HD21-WHITE	4,194.00	LF
0980	23666EN	PAVE STRIPE PERM-4 IN HD21-YELLOW	5,600.00	LF
0990	04793	CONDUIT-1 1/4 IN	410.00	LF
1000	04795	CONDUIT-2 IN	525.00	LF
1010	04811	JUNCTION BOX TYPE B	7.00	EACH
1020	04820	TRENCHING AND BACKFILLING	935.00	LF
1030	04830	LOOP WIRE	1,250.00	LF
1040	04844	CABLE-NO. 14/5C	750.00	LF
1050	04850	CABLE-NO. 14/1 PAIR	4,150.00	LF
1060	04873	POLE 45 FT WOODEN	1.00	EACH
1070	04885	MESSENGER-10800 LB	490.00	LF
1080	04895	LOOP SAW SLOT AND FILL	560.00	LF
1090	04931	INSTALL CONTROLLER TYPE 170	1.00	EACH
1100	04932	INSTALL STEEL STRAIN POLE	4.00	EACH
1110	04950	REMOVE SIGNAL EQUIPMENT	1.00	EACH
1120	20188NS835	INSTALL LED SIGNAL-3 SECTION	7.00	EACH
1130	23157EN	TRAFFIC SIGNAL POLE BASE	16.22	CUYD
1140	23982EC	INSTALL ANTENNA	1.00	EACH
1150	04700	POLE 30 FT MTG HT	4.00	EACH
1160	04701	POLE 40 FT MTG HT	7.00	EACH
1170	04724	BRACKET 12 FT	11.00	EACH
1180	04740	POLE BASE	11.00	EACH
1190	04750	TRANSFORMER BASE	11.00	EACH
1200	04761	LIGHTING CONTROL EQUIPMENT	1.00	EACH
1210	04770	HPS LUMINAIRE	11.00	EACH
1220	04780	FUSED CONNECTOR KIT	22.00	EACH

1230	04795	CONDUIT-2 IN	2,687.00	LF
1240	04820	TRENCHING AND BACKFILLING	2,687.00	LF
1250	04832	WIRE-NO. 12	587.00	LF
1260	04834	WIRE-NO. 6	3,830.00	LF
1270	04835	WIRE-NO. 4	4,310.00	LF
1280	04940	REMOVE LIGHTING	1.00	LS
1290	20391NS835	JUNCTION BOX TYPE A	4.00	EACH
1300	21543EN	BORE AND JACK CONDUIT	105.00	LF
1310	02568	MOBILIZATION	1.00	LS
1320	02569	DEMOBILIZATION	1.00	LS

JL03 024 041A 004-014 032D

PES NO: DE024041A1124

US 41A MODERNIZE US 41A FROM I-24 TO LOVERS LANE BY ADDING SHOULDERS AND TURN LANES

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0010	00001	DGA BASE	74,649.00	TON
0020	00100	ASPHALT SEAL AGGREGATE	263.00	TON
0030	00190	LEVELING & WEDGING PG64-22	4,670.00	TON
0040	00212	CL2 ASPH BASE 1.00D PG64-22	16,726.00	TON
0050	00291	EMULSIFIED ASPHALT RS-2	32.00	TON
0060	00309	CL2 ASPH SURF 0.50D PG64-22	5,411.00	TON
		(REVISED: 5-9-11)		
0780	00330	CL3 ASPH SURF 0.50A PG64-22	22,681.00	TON
		(REVISED: 5-9-11)		
0070	00440	ENTRANCE PIPE-15 IN	72.00	LF
0080	00452	ENTRANCE PIPE-24 IN EQUIV	36.00	LF
0090	00464	CULVERT PIPE-24 IN	43.00	LF
0100	00470	CULVERT PIPE-48 IN	38.00	LF
0110	00501	CULVERT PIPE-60 IN EQUIV	141.00	LF
0120	00521	STORM SEWER PIPE-15 IN	201.00	LF
0130	00522	STORM SEWER PIPE-18 IN	354.00	LF
0140	00524	STORM SEWER PIPE-24 IN	38.00	LF
0150	01310	REMOVE PIPE	75.00	LF
0160	01391	METAL END SECTION TY 3-18 IN	7.00	EACH
0170	01393	METAL END SECTION TY 3-24 IN	5.00	EACH
0180	01397	METAL END SECTION TY 3-48 IN	2.00	EACH
0190	01508	DROP BOX INLET TYPE 5C	1.00	EACH
0200	01517	DROP BOX INLET TYPE 5F	6.00	EACH
0210	01584	CAP DROP BOX INLET	2.00	EACH
0220	01642	JUNCTION BOX-18 IN	9.00	EACH
0230	01643	JUNCTION BOX-24 IN	1.00	EACH
0240	02003	RELOCATE TEMP CONC BARRIER	125.00	LF
0250	02200	ROADWAY EXCAVATION	41,489.00	CUYD
0260	02242	WATER	4,350.00	MGAL
0270	02355	GUARDRAIL-STEEL W BEAM-S FACE A	7,913.00	LF
0280	02360	GUARDRAIL TERMINAL SECTION NO 1	13.00	EACH
0290	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	5.00	EACH
0300	02369	GUARDRAIL END TREATMENT TYPE 2A	16.00	EACH
0310	02381	REMOVE GUARDRAIL	5,236.00	LF
0320	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A	5.00	EACH
0330	02391	GUARDRAIL END TREATMENT TYPE 4A	16.00	EACH
0340	02483	CHANNEL LINING CLASS II	886.40	TON
0350	02562	SIGNS	663.00	SQFT
0360	02596	FABRIC-GEOTEXTILE TYPE I	1,498.20	SQYD
0370	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	1,667.30	SQYD
0380	02610	RETAINING WALL-GABION	2,593.00	CUYD
0390	02625	REMOVE HEADWALL	18.00	EACH
0400	02650	MAINTAIN & CONTROL TRAFFIC US 41A	1.00	LS
0410	02653	LANE CLOSURE	4.00	EACH
0420	02676	MOBILIZATION FOR MILL & TEXT US 41A	1.00	LS
0430	02677	ASPHALT PAVE MILLING & TEXTURING	16,929.00	TON
0440	02690	SAFELoading	2.10	CUYD
0450	02701	TEMP SILT FENCE	44,360.00	LF
0460	02703	SILT TRAP TYPE A	74.00	EACH
0470	02704	SILT TRAP TYPE B	74.00	EACH
0480	02705	SILT TRAP TYPE C	74.00	EACH
0490	02706	CLEAN SILT TRAP TYPE A	148.00	EACH
0500	02707	CLEAN SILT TRAP TYPE B	148.00	EACH
0510	02708	CLEAN SILT TRAP TYPE C	148.00	EACH
0520	02709	CLEAN TEMP SILT FENCE	88,720.00	LF
0530	02726	STAKING US 41A	1.00	LS
0540	02775	ARROW PANEL	2.00	EACH
0550	02898	RELOCATE CRASH CUSHION	1.00	EACH
0560	03171	CONCRETE BARRIER WALL TYPE 9T	400.00	LF
0570	03262	CLEAN PIPE STRUCTURE	106.00	EACH

0580	05950	EROSION CONTROL BLANKET	20,443.00	SQYD
0590	05952	TEMP MULCH	358,402.00	SQYD
0600	05985	SEEDING AND PROTECTION	358,402.00	SQYD
0610	06510	PAVE STRIPING-TEMP PAINT-4 IN	117,377.00	LF
0620	06510	PAVE STRIPING-TEMP PAINT-4 IN FOR BRIDGE	1,600.00	LF
0630	06514	PAVE STRIPING-PERM PAINT-4 IN	234,753.00	LF
0640	06568	PAVE MARKING-THERMO STOP BAR-24IN	405.00	LF
0650	06574	PAVE MARKING-THERMO CURV ARROW	63.00	EACH
0660	06592	PAVEMENT MARKER TYPE V-B W/R	2,500.00	EACH
0670	06600	REMOVE PAVEMENT MARKER TYPE V	2,500.00	EACH
0680	08100	CONCRETE-CLASS A	60.10	CUYD
0690	08150	STEEL REINFORCEMENT	6,052.00	LB
0700	10020NS	FUEL ADJUSTMENT	98,905.00	DOLL
0710	10030NS	ASPHALT ADJUSTMENT	118,855.00	DOLL
0720	20314ED	MILLED RUMBLE STRIPS	76,790.00	LF
0730	20430ED	SAW CUT	80,785.00	LF
0740	20471ES509	TEMP CONC MED BARRIER	125.00	LF
0750	20738NS112	TEMP CRASH CUSHION	1.00	EACH
0760	21117ND	VARIABLE MESSAGE SIGN-DYNAMIC	4.00	EACH
0770	21289ED	LONGITUDINAL EDGE KEY	80,785.00	LF
0790	23131ER701	PIPELINE VIDEO INSPECTION	462.00	LF
0800	23274EN11F	TURF REINFORCEMENT MAT 1	6,179.00	SQYD
0810	02403	REMOVE CONCRETE MASONRY	2.10	CUYD
0820	02731	REMOVE STRUCTURE 26699 SB	1.00	LS
0830	02998	MASONRY COATING	274.00	SQYD
0840	03299	ARMORED EDGE FOR CONCRETE	105.20	LF
0850	08001	STRUCTURE EXCAVATION-COMMON	321.00	CUYD
0860	08002	STRUCTURE EXCAV-SOLID ROCK	114.00	CUYD
0870	08100	CONCRETE-CLASS A	144.40	CUYD
0880	08104	CONCRETE-CLASS AA	29.30	CUYD
0890	08150	STEEL REINFORCEMENT	18,882.00	LB
0900	08151	STEEL REINFORCEMENT-EPOXY COATED	6,274.00	LB
0910	08504	EPOXY SAND SLURRY	22.00	SQYD
0920	08510	REM EPOXY BIT FOREIGN OVERLAY	274.00	SQYD
0930	08534	CONCRETE OVERLAY-LATEX	14.80	CUYD
0940	08549	BLAST CLEANING	382.00	SQYD
0950	08633	PRECAST PC I BEAM TYPE 3	84.10	LF
0960	21532ED	RAIL SYSTEM TYPE III	172.00	LF
0970	04793	CONDUIT-1 1/4 IN	1,770.00	LF
0980	04795	CONDUIT-2 IN	1,470.00	LF
0990	04811	JUNCTION BOX TYPE B	28.00	EACH
1000	04820	TRENCHING AND BACKFILLING	3,240.00	LF
1010	04830	LOOP WIRE	8,140.00	LF
1020	04844	CABLE-NO. 14/5C	3,550.00	LF
1030	04850	CABLE-NO. 14/1 PAIR	15,650.00	LF
1040	04885	MESSENGER-10800 LB	675.00	LF
1050	04895	LOOP SAW SLOT AND FILL	2,930.00	LF
1060	04931	INSTALL CONTROLLER TYPE 170	1.00	EACH
1070	04932	INSTALL STEEL STRAIN POLE	4.00	EACH
1080	04950	REMOVE SIGNAL EQUIPMENT	1.00	EACH
1090	20188NS835	INSTALL LED SIGNAL-3 SECTION	12.00	EACH
1100	20408ES835	INSTALL LED BEACON-12 IN	4.00	EACH
1110	23053NN	ADVANCE BEACON CONTROL	2.00	EACH
1120	23068NN	REMOVE & REINSTALL COORDINATING UNIT	1.00	EACH
1130	23157EN	TRAFFIC SIGNAL POLE BASE	20.15	CUYD
1140	02568	MOBILIZATION	1.00	LS
1150	02569	DEMOBILIZATION	1.00	LS
1160	02403	REMOVE CONCRETE MASONRY	2.10	CUYD
1170	02731	REMOVE STRUCTURE 26699 NB	1.00	LS
1180	02998	MASONRY COATING	235.00	SQYD
1190	03299	ARMORED EDGE FOR CONCRETE	105.20	LF
1200	08001	STRUCTURE EXCAVATION-COMMON	321.00	CUYD
1210	08002	STRUCTURE EXCAV-SOLID ROCK	112.00	CUYD
1220	08100	CONCRETE-CLASS A	117.10	CUYD
1230	08104	CONCRETE-CLASS AA	29.30	CUYD
1240	08150	STEEL REINFORCEMENT	16,206.00	LB
1250	08151	STEEL REINFORCEMENT-EPOXY COATED	6,274.00	LB
1260	08504	EPOXY SAND SLURRY	22.00	SQYD
1270	08510	REM EPOXY BIT FOREIGN OVERLAY	274.00	SQYD
1280	08534	CONCRETE OVERLAY-LATEX	14.80	CUYD
1290	08549	BLAST CLEANING	382.00	SQYD
1300	08633	PRECAST PC I BEAM TYPE 3	84.10	LF
1310	21532ED	RAIL SYSTEM TYPE III	172.00	LF

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SECTION 0001 ROADWAY						
0010	00001	DGA BASE (REVISED: 5-9-11)	79,981.500	TON		
0020	00078	CRUSHED AGGREGATE SIZE NO 2 (REVISED: 5-9-11)	3.000	TON		
0030	00100	ASPHALT SEAL AGGREGATE	505.000	TON		
0040	00190	LEVELING & WEDGING PG64-22	4,951.400	TON		
0050	00212	CL2 ASPH BASE 1.00D PG64-22	16,726.000	TON		
0060	00214	CL3 ASPH BASE 1.00D PG64-22	335.000	TON		
0070	00291	EMULSIFIED ASPHALT RS-2	62.000	TON		
0080	00309	CL2 ASPH SURF 0.50D PG64-22 (REVISED: 5-9-11)	5,411.000	TON		
0090	00330	CL3 ASPH SURF 0.50A PG64-22 (REVISED: 5-9-11)	22,681.000	TON		
0100	00333	CL4 ASPH SURF 0.50A PG64-22	1,697.200	TON		
0110	00440	ENTRANCE PIPE-15 IN	72.000	LF		
0120	00452	ENTRANCE PIPE-24 IN EQUIV	36.000	LF		
0130	00464	CULVERT PIPE-24 IN	43.000	LF		
0140	00466	CULVERT PIPE-30 IN	33.500	LF		
0150	00470	CULVERT PIPE-48 IN	38.000	LF		
0160	00501	CULVERT PIPE-60 IN EQUIV	141.000	LF		
0170	00521	STORM SEWER PIPE-15 IN	363.500	LF		
0180	00522	STORM SEWER PIPE-18 IN	354.000	LF		
0190	00524	STORM SEWER PIPE-24 IN	38.000	LF		
0200	01000	PERFORATED PIPE-4 IN	967.000	LF		

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0210	01010	NON-PERFORATED PIPE-4 IN (REVISED: 5-9-11)	74.000	LF		
0220	01015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	(1.00)	LS		
0230	01028	PERF PIPE HEADWALL TY 3-4 IN	3.000	EACH		
0240	01310	REMOVE PIPE	75.000	LF		
0250	01391	METAL END SECTION TY 3-18 IN	7.000	EACH		
0260	01393	METAL END SECTION TY 3-24 IN	5.000	EACH		
0270	01397	METAL END SECTION TY 3-48 IN	2.000	EACH		
0280	01452	S & F BOX INLET-OUTLET-30 IN	2.000	EACH		
0290	01505	DROP BOX INLET TYPE 5B	1.000	EACH		
0300	01508	DROP BOX INLET TYPE 5C	1.000	EACH		
0310	01517	DROP BOX INLET TYPE 5F	6.000	EACH		
0320	01584	CAP DROP BOX INLET	3.000	EACH		
0330	01642	JUNCTION BOX-18 IN	9.000	EACH		
0340	01643	JUNCTION BOX-24 IN	1.000	EACH		
0350	01812	REMOVE CURB AND GUTTER	272.000	LF		
0360	01845	ISLAND INTEGRAL CURB	347.000	LF		
0370	01982	DELINEATOR FOR GUARDRAIL-WHITE	75.000	EACH		
0380	01983	DELINEATOR FOR GUARDRAIL-YELLOW	52.000	EACH		
0390	01984	DELINEATOR FOR BARRIER-WHITE	16.000	EACH		
0400	01985	DELINEATOR FOR BARRIER-YELLOW	16.000	EACH		
0410	02003	RELOCATE TEMP CONC BARRIER	2,765.000	LF		

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0420	02014	BARRICADE-TYPE III	1.000	EACH		
0430	02058	REMOVE PCC PAVEMENT	6,584.000	SQYD		
0440	02060	PCC PAVEMENT DIAMOND GRINDING	30,446.000	SQYD		
0450	02069	JPC PAVEMENT-10 IN	8,246.000	SQYD		
0460	02075	JPC PAVEMENT-6 IN	3,416.000	SQYD		
0470	02091	REMOVE PAVEMENT	2,356.000	SQYD		
0480	02115	SAW-CLEAN-RESEAL TVERSE JOINT	21,193.000	LF		
0490	02116	SAW-CLEAN-RESEAL LONGIT JOINT	21,742.000	LF		
0500	02159	TEMP DITCH	1,325.000	LF		
0510	02165	REMOVE PAVED DITCH	343.000	SQYD		
0520	02200	ROADWAY EXCAVATION	44,142.000	CUYD		
0530	02230	EMBANKMENT IN PLACE	1,879.000	CUYD		
0540	02237	DITCHING	37,986.000	LF		
0550	02242	WATER	4,359.500	MGAL		
0560	02351	GUARDRAIL-STEEL W BEAM-S FACE	150.000	LF		
0570	02352	GUARDRAIL-STEEL W BEAM-D FACE	550.000	LF		
0580	02355	GUARDRAIL-STEEL W BEAM-S FACE A	7,913.000	LF		
0590	02360	GUARDRAIL TERMINAL SECTION NO 1	15.000	EACH		
0600	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	9.000	EACH		
0610	02365	CRASH CUSHION TYPE IX-A	4.000	EACH		
0620	02369	GUARDRAIL END TREATMENT TYPE 2A	26.000	EACH		

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0630	02381	REMOVE GUARDRAIL	18,148.500	LF		
0640	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	7.000	EACH		
0650	02391	GUARDRAIL END TREATMENT TYPE 4A	28.000	EACH		
0660	02395	REMOVE GUARDRAIL TERMINAL SECT	2.000	EACH		
0670	02396	REMOVE GUARDRAIL END TREATMENT	22.000	EACH		
0680	02483	CHANNEL LINING CLASS II	1,246.100	TON		
0690	02562	SIGNS	827.000	SQFT		
0700	02596	FABRIC-GEOTEXTILE TYPE I	1,498.200	SQYD		
0710	02599	FABRIC-GEOTEXTILE TYPE IV	2,617.800	SQYD		
0720	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	1,913.800	SQYD		
0730	02610	RETAINING WALL-GABION	2,593.000	CUYD		
0740	02625	REMOVE HEADWALL	20.000	EACH		
0750	02650	MAINTAIN & CONTROL TRAFFIC IM	(1.00)	LS		
0760	02650	MAINTAIN & CONTROL TRAFFIC US 41A	(1.00)	LS		
0770	02653	LANE CLOSURE	12.000	EACH		
0780	02671	PORTABLE CHANGEABLE MESSAGE SIGN	4.000	EACH		
0790	02676	MOBILIZATION FOR MILL & TEXT IM	(1.00)	LS		
0800	02676	MOBILIZATION FOR MILL & TEXT US 41A	(1.00)	LS		
0810	02677	ASPHALT PAVE MILLING & TEXTURING	19,754.800	TON		
0820	02690	SAFELOADING	2.100	CUYD		
0830	02701	TEMP SILT FENCE	63,356.000	LF		

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0840	02703	SILT TRAP TYPE A	77.000	EACH		
0850	02704	SILT TRAP TYPE B	77.000	EACH		
0860	02705	SILT TRAP TYPE C	88.000	EACH		
0870	02706	CLEAN SILT TRAP TYPE A	151.000	EACH		
0880	02707	CLEAN SILT TRAP TYPE B	151.000	EACH		
0890	02708	CLEAN SILT TRAP TYPE C	162.000	EACH		
0900	02709	CLEAN TEMP SILT FENCE	107,716.000	LF		
0910	02726	STAKING IM	(1.00)	LS		
0920	02726	STAKING US 41A	(1.00)	LS		
0930	02775	ARROW PANEL	6.000	EACH		
0940	02898	RELOCATE CRASH CUSHION	2.000	EACH		
0950	03171	CONCRETE BARRIER WALL TYPE 9T	1,875.000	LF		
0960	03262	CLEAN PIPE STRUCTURE	106.000	EACH		
0970	05950	EROSION CONTROL BLANKET	20,549.000	SQYD		
0980	05952	TEMP MULCH	373,535.000	SQYD		
0990	05953	TEMP SEEDING AND PROTECTION	15,133.000	SQYD		
1000	05966	TOPDRESSING FERTILIZER	1.000	TON		
1010	05985	SEEDING AND PROTECTION	373,535.000	SQYD		
1020	06417	FLEXIBLE DELINEATOR POST-W	231.000	EACH		
1030	06418	FLEXIBLE DELINEATOR POST-Y	164.000	EACH		
1040	06510	PAVE STRIPING-TEMP PAINT-4 IN	117,377.000	LF		

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1050	06510	PAVE STRIPING-TEMP PAINT-4 IN FOR BRIDGE	1,600.000	LF		
1060	06514	PAVE STRIPING-PERM PAINT-4 IN	234,753.000	LF		
1070	06550	PAVE STRIPING-TEMP REM TAPE-W	7,300.000	LF		
1080	06551	PAVE STRIPING-TEMP REM TAPE-Y	7,300.000	LF		
1090	06568	PAVE MARKING-THERMO STOP BAR-24IN	519.000	LF		
1100	06574	PAVE MARKING-THERMO CURV ARROW	70.000	EACH		
1110	06592	PAVEMENT MARKER TYPE V-B W/R	2,884.000	EACH		
1120	06593	PAVEMENT MARKER TYPE V-B Y/R	228.000	EACH		
1130	06600	REMOVE PAVEMENT MARKER TYPE V	3,112.000	EACH		
1140	08100	CONCRETE-CLASS A	118.100	CUYD		
1150	08150	STEEL REINFORCEMENT	6,052.000	LB		
1160	10020NS	FUEL ADJUSTMENT	106,603.000	DOLL	1.00	106,603.00
1170	10030NS	ASPHALT ADJUSTMENT	125,080.000	DOLL	1.00	125,080.00
1180	20314ED	MILLED RUMBLE STRIPS	82,160.000	LF		
1190	20430ED	SAW CUT	80,785.000	LF		
1200	20471ES509	TEMP CONC MED BARRIER	125.000	LF		
1210	20738NS112	TEMP CRASH CUSHION	2.000	EACH		
1220	21117ND	VARIABLE MESSAGE SIGN-DYNAMIC	4.000	EACH		
1230	21289ED	LONGITUDINAL EDGE KEY	80,785.000	LF		
1240	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	12,362.500	LF		
1250	22854EN	PAVE STRIPE PERM-6 IN HD21-WHITE	18,238.000	LF		

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1260	22855EN	PAVE STRIPE PERM-6 IN HD21-YELLOW	13,251.000	LF		
1270	22856EN	PAVE STRIPE PERM-12 IN HD21-WHITE	4,657.000	LF		
1280	23131ER701	PIPELINE VIDEO INSPECTION	551.000	LF		
1290	23237EN10W	WATERBLAST STRIPE REMOVAL	46,001.000	LF		
1300	23274EN11F	TURF REINFORCEMENT MAT 1	6,179.000	SQYD		
1310	23665EN	PAVE STRIPE PERM-4 IN HD21-WHITE	4,194.000	LF		
1320	23666EN	PAVE STRIPE PERM-4 IN HD21-YELLOW	5,600.000	LF		
SECTION 0002 BRIDGE						
1330	02403	REMOVE CONCRETE MASONRY	4.200	CUYD		
1340	02731	REMOVE STRUCTURE 26699 NB	(1.00)	LS		
1350	02731	REMOVE STRUCTURE 26699 SB	(1.00)	LS		
1360	02998	MASONRY COATING	509.000	SQYD		
1370	03299	ARMORED EDGE FOR CONCRETE	210.400	LF		
1380	08001	STRUCTURE EXCAVATION-COMMON	642.000	CUYD		
1390	08002	STRUCTURE EXCAV-SOLID ROCK	226.000	CUYD		
1400	08100	CONCRETE-CLASS A	261.500	CUYD		
1410	08104	CONCRETE-CLASS AA	58.600	CUYD		
1420	08150	STEEL REINFORCEMENT	35,088.000	LB		
1430	08151	STEEL REINFORCEMENT-EPOXY COATED	12,548.000	LB		
1440	08504	EPOXY SAND SLURRY	44.000	SQYD		
1450	08510	REM EPOXY BIT FOREIGN OVERLAY	548.000	SQYD		

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1460	08534	CONCRETE OVERLAY-LATEX	29.600	CUYD		
1470	08549	BLAST CLEANING	764.000	SQYD		
1480	08633	PRECAST PC I BEAM TYPE 3	168.200	LF		
1490	21532ED	RAIL SYSTEM TYPE III	344.000	LF		
SECTION 0003 SIGNALIZATION						
1500	04793	CONDUIT-1 1/4 IN	2,180.000	LF		
1510	04795	CONDUIT-2 IN	1,995.000	LF		
1520	04811	JUNCTION BOX TYPE B	35.000	EACH		
1530	04820	TRENCHING AND BACKFILLING	4,175.000	LF		
1540	04830	LOOP WIRE	9,390.000	LF		
1550	04844	CABLE-NO. 14/5C	4,300.000	LF		
1560	04850	CABLE-NO. 14/1 PAIR	19,800.000	LF		
1570	04873	POLE 45 FT WOODEN	1.000	EACH		
1580	04885	MESSENGER-10800 LB	1,165.000	LF		
1590	04895	LOOP SAW SLOT AND FILL	3,490.000	LF		
1600	04931	INSTALL CONTROLLER TYPE 170	2.000	EACH		
1610	04932	INSTALL STEEL STRAIN POLE	8.000	EACH		
1620	04950	REMOVE SIGNAL EQUIPMENT	2.000	EACH		
1630	20188NS835	INSTALL LED SIGNAL-3 SECTION	19.000	EACH		
1640	20408ES835	INSTALL LED BEACON-12 IN	4.000	EACH		
1650	23053NN	ADVANCE BEACON CONTROL	2.000	EACH		

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1660	23068NN	REMOVE & REINSTALL COORDINATING UNIT	1.000	EACH		
1670	23157EN	TRAFFIC SIGNAL POLE BASE	36.370	CUYD		
1680	23982EC	INSTALL ANTENNA	1.000	EACH		
SECTION 0004 LIGHTING						
1690	04700	POLE 30 FT MTG HT	4.000	EACH		
1700	04701	POLE 40 FT MTG HT	7.000	EACH		
1710	04724	BRACKET 12 FT	11.000	EACH		
1720	04740	POLE BASE	11.000	EACH		
1730	04750	TRANSFORMER BASE	11.000	EACH		
1740	04761	LIGHTING CONTROL EQUIPMENT	1.000	EACH		
1750	04770	HPS LUMINAIRE	11.000	EACH		
1760	04780	FUSED CONNECTOR KIT	22.000	EACH		
1770	04795	CONDUIT-2 IN	2,687.000	LF		
1780	04820	TRENCHING AND BACKFILLING	2,687.000	LF		
1790	04832	WIRE-NO. 12	587.000	LF		
1800	04834	WIRE-NO. 6	3,830.000	LF		
1810	04835	WIRE-NO. 4	4,310.000	LF		
1820	04940	REMOVE LIGHTING	(1.00)	LS		
1830	20391NS835	JUNCTION BOX TYPE A	4.000	EACH		
1840	21543EN	BORE AND JACK CONDUIT	105.000	LF		
SECTION 0005 MOB AND DEMOB						

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LINE NO	ITEM	DESCRIPTION	APPROXIMATE QUANTITY	UNIT	UNIT PRICE	AMOUNT
1850	02568	MOBILIZATION (NO MORE THAN 5%)		LUMP		
1860	02569	DEMOBILIZATION (AT LEAST 1.5%)		LUMP		
		TOTAL BID				