



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

Matthew G. Bevin
Governor

Greg Thomas
Secretary

October 17, 2017

CALL NO. 300
CONTRACT ID NO. 171040
ADDENDUM # 1

Subject: Allen County, FD04 SPP 002 0098 003-005
Letting October 27, 2017

- (1) Revised - Plans - R2 & R2C
- (2) Revised - Special Note - Pages 11-13 of 80
- (3) Revised - Bid Items - Pages 78-80 of 80

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



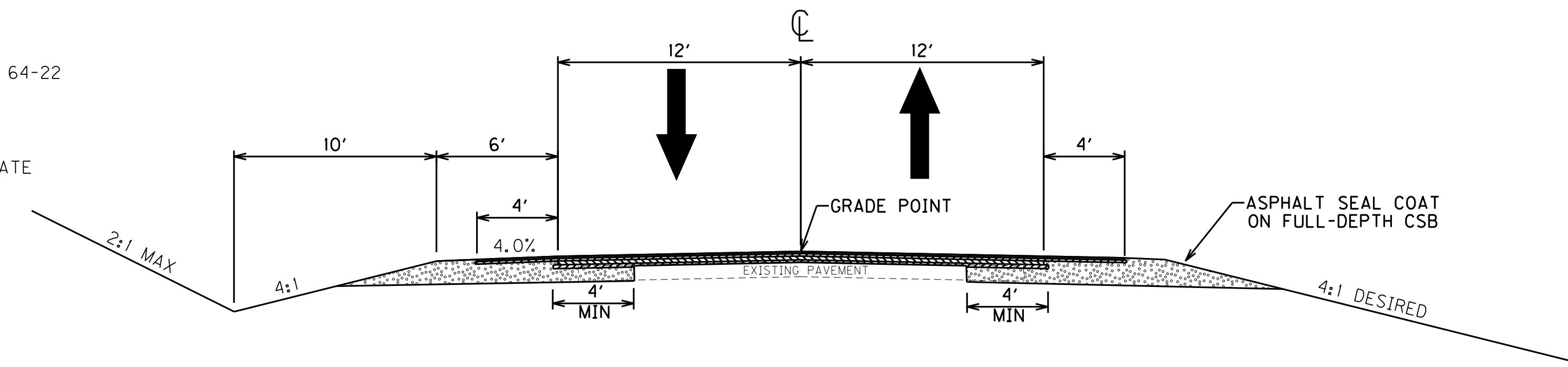
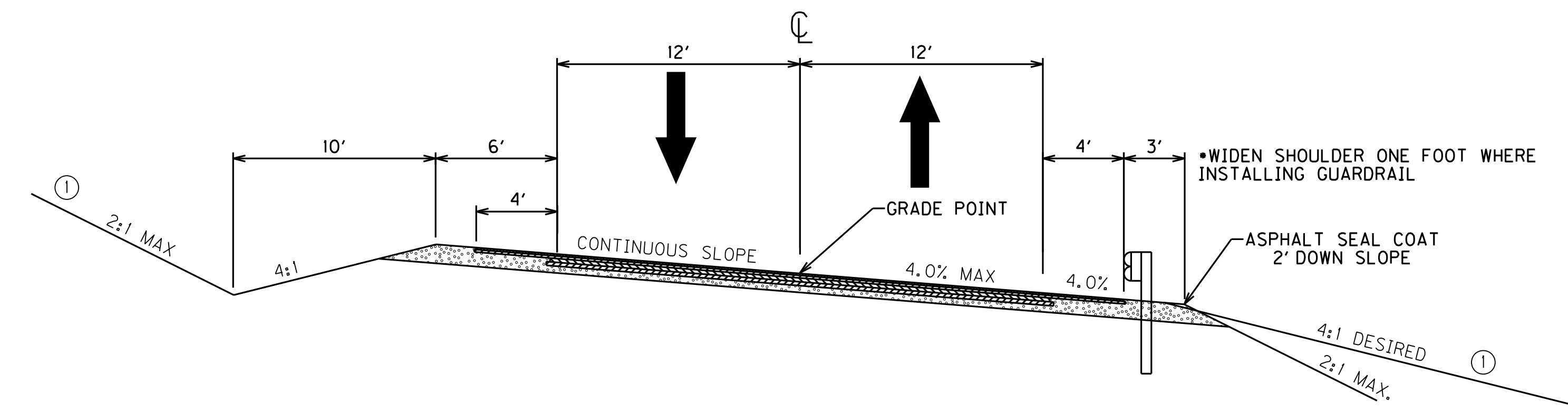
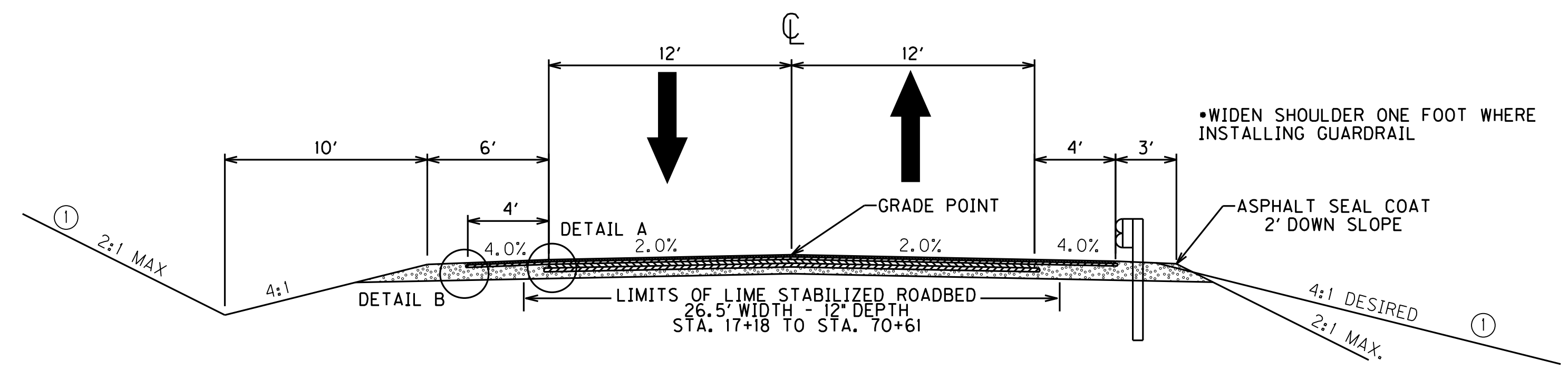
An Equal Opportunity Employer M/F/D

TYPICAL SECTIONS

- MAINLINE PAVEMENT ~ DRIVING LANES**
- ASPHALT SURFACE — 1.25" CL2 ASPHALT SURF 0.38D PG 64-22
 - ASPHALT BASE — 2.25" CL2 ASPHALT BASE 0.75D PG 64-22
2.25" CL2 ASPHALT BASE 0.75D PG 64-22
2.25" CL2 ASPHALT BASE 0.75D PG 64-22
 - DGA BASE — 4" DGA
 - ASPHALT SEAL COAT (2 APPLICATIONS) — 2.4 lb/S.Y. ASPHALT SEAL COAT
20 lb/S.Y. SIZE 1/4" ASPHALT SEAL AGGREGATE

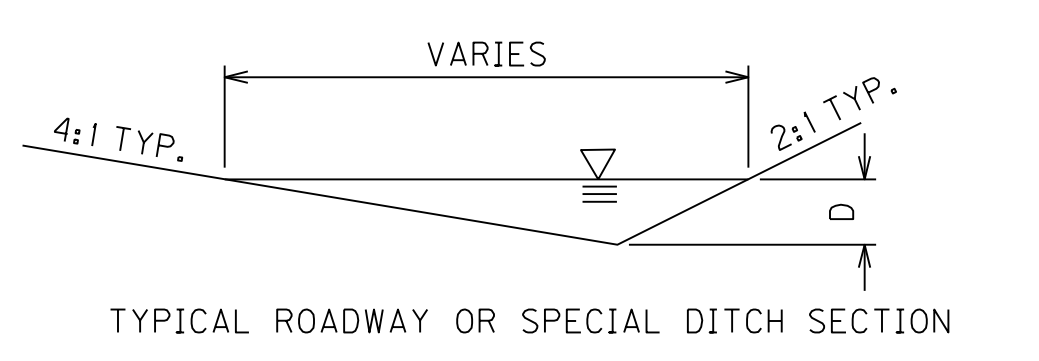
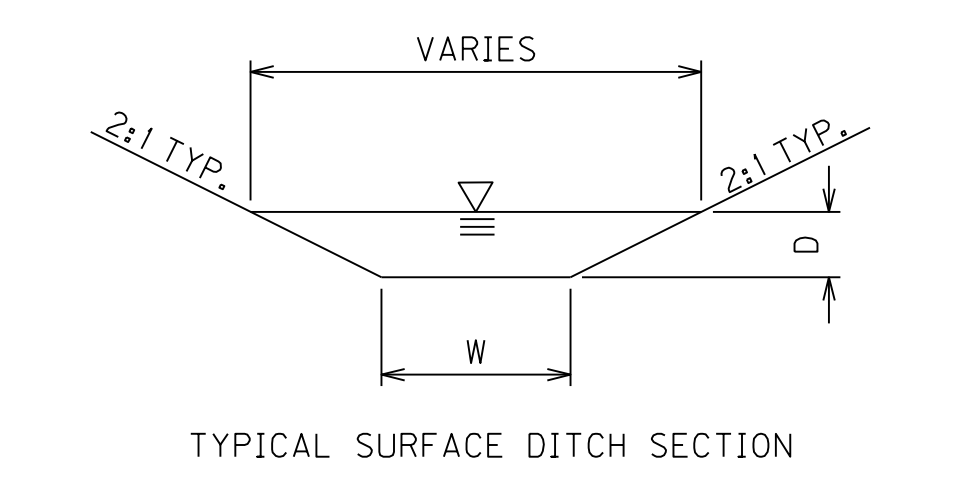
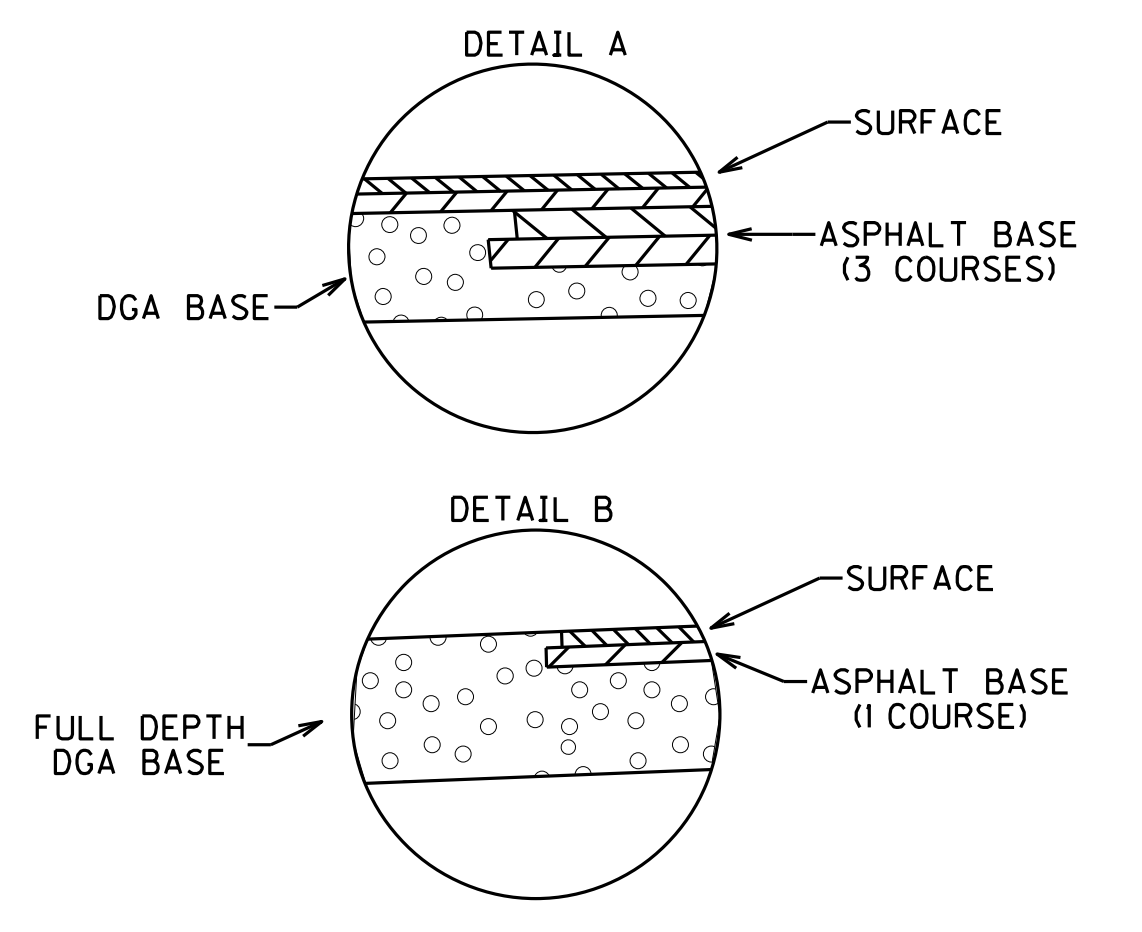
- MAINLINE PAVEMENT ~ PAVED SHOULDER**
- ASPHALT SURFACE — 1.25" CL2 ASPHALT SURF 0.38D PG 64-22
 - ASPHALT BASE — 2.25" CL2 ASPHALT BASE 0.75D PG 64-22
 - DGA BASE — 8.5" DGA

- MAINLINE OVERLAY**
- ASPHALT SURFACE — 1.25" CL2 ASPHALT SURF 0.38D PG 64-22
 - ASPHALT BASE — 2.25" CL2 ASPHALT BASE 0.75D PG 64-22
2.25" CL2 ASPHALT BASE 0.75D PG 64-22
DEPTH VARIES LEVEL & WEDGING 0.75D PG 64-22
 - ASPHALT SEAL COAT (2 APPLICATIONS) — 2.4 lb/S.Y. ASPHALT SEAL COAT
20 lb/S.Y. SIZE 1/4" ASPHALT SEAL AGGREGATE
- MILL 1" OF EXISTING SURFACE
 - FOLLOW MAINLINE TYPICAL FOR PAVING OUTSIDE OF OVERLAY



NOTES

① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.



OVERLAY/WIDEN SECTION MAINLINE
STA. 1+20.21 TO STA. 4+00
STA. 70+50 TO STA. 76+61.31

SCALE: N/A'

TYPICAL SECTIONS

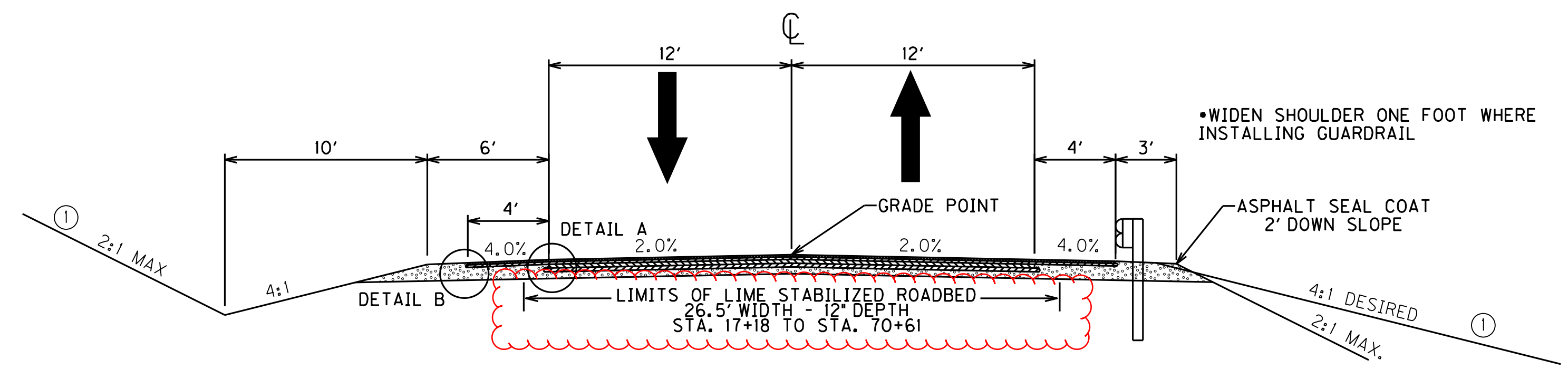
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 USER: david.erickson
 DATE PLOTTED: October 16, 2017
 E-SHEET NAME: ROO2001S
 MicroStation v8.11.9.832

TYPICAL SECTIONS

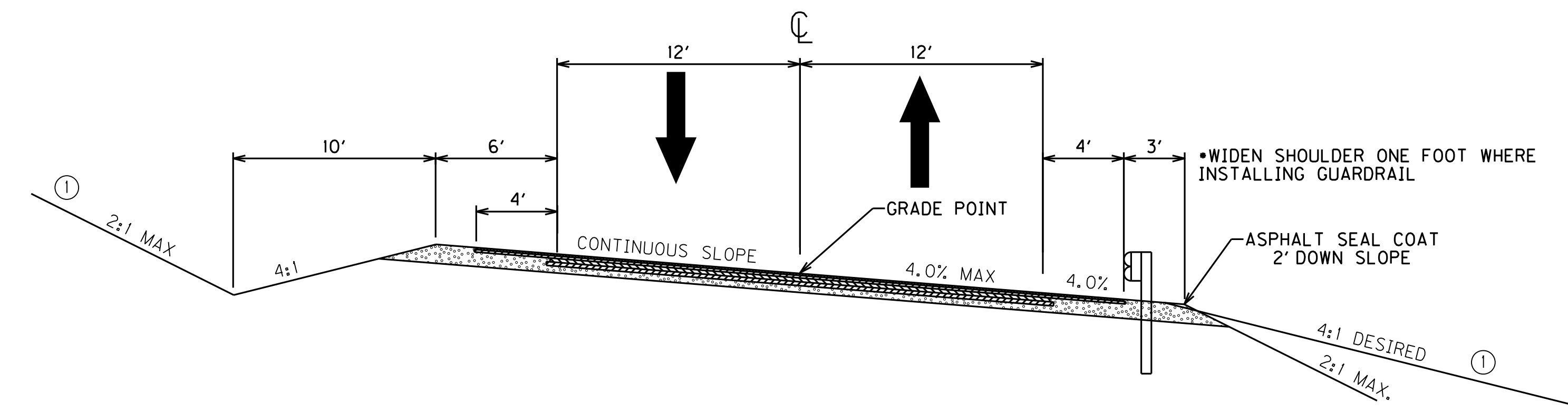
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 - DGA BASE — 4" DGA
 - ASPHALT SEAL COAT (2 APPLICATIONS) — 2.4 lb/S.Y. ASPHALT SEAL COAT
20 lb/S.Y. SIZE 1/4" ASPHALT SEAL AGGREGATE

- MAINLINE PAVEMENT ~ PAVED SHOULDER**
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 - ASPHALT BASE — 2.25" CL2 ASPHALT BASE 0.75D PG 64-22
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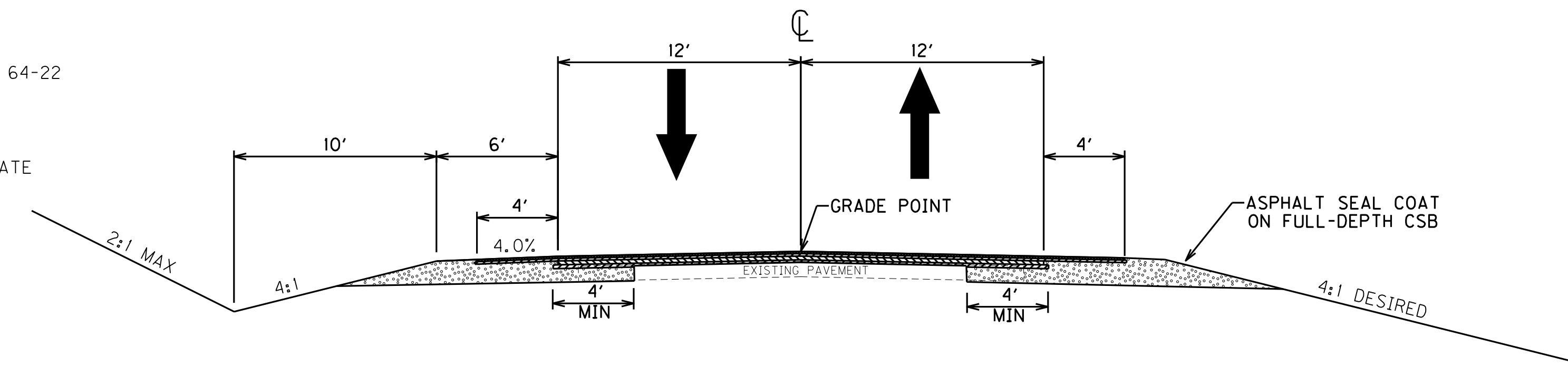
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 - FOLLOW MAINLINE TYPICAL FOR PAVING OUTSIDE OF OVERLAY



NORMAL MAINLINE SECTION

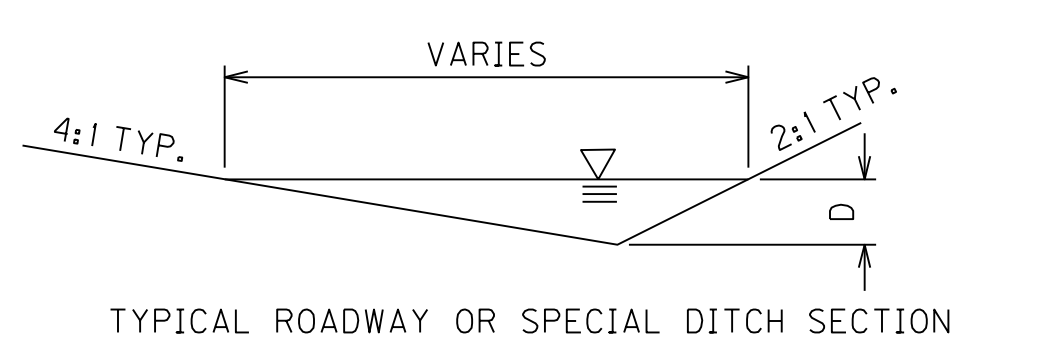
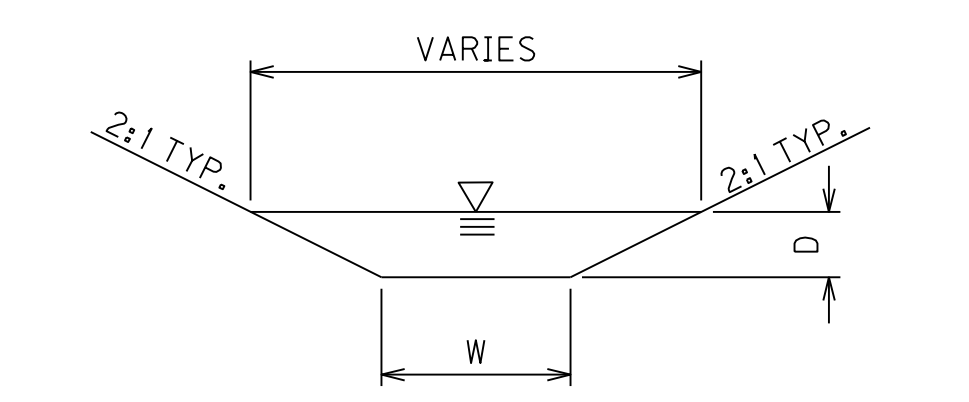
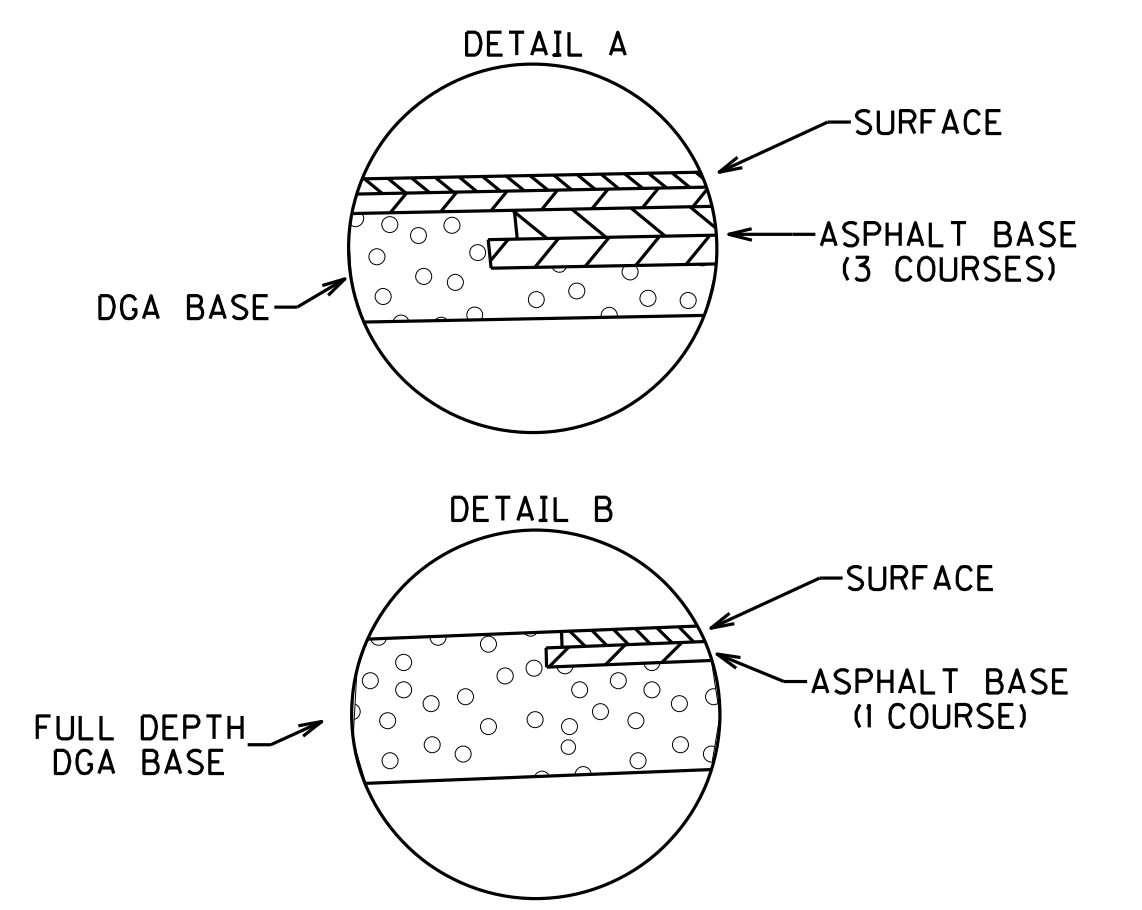


FULL SUPERELEVATED MAINLINE SECTION



OVERLAY/WIDEN SECTION MAINLINE
STA. 1+20.21 TO STA. 4+00
STA. 70+50 TO STA. 76+61.31

NOTES
① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.



FILE NAME: C:\PWORK\DAVID.ERICKSON\0570749\ROO2001SRV.DGN
 USER: david.erickson
 DATE PLOTTED: October 16, 2017
 E-SHEET NAME: ROO2001S
 MicroStation v8.11.9.832

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	TOTAL PROJECT
0001	DGA BASE ①④	TONS	17157
0020	TRAFFIC BOUND BASE	TONS	350
0100	ASPHALT SEAL AGGREGATE (TWO APPLICATIONS) ②	TONS	73
0103	ASPHALT SEAL COAT (TWO APPLICATIONS) ③	TONS	9
0221	CL2 ASPH BASE 0.75D PG 64-22	TONS	11263
0301	CL2 ASPH SURF 0.38D PG 64-22	TONS	2188
0013	LIME STABILIZED ROADBED	SOYD	15795
0014	LIME ⑤	TON	297
0358	ASPHALT CURING SEAL ⑥	TON	16
2702	SAND FOR BLOTTER ⑦	TON	40

NOTES:

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ YD PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ① ESTIMATED AT 115 LBS. PER SQ YD PER INCH OF DEPTH.
 - ② ESTIMATED AT 20 LBS. PER SQ YD (SIZE NO. 8 OR 9M) TWO APPLICATIONS
 - ③ ESTIMATED AT 2.4 LBS. PER SQ YD (TWO APPLICATIONS)
 - ④ INCLUDES 200 TONS FOR MAINTAINING TRAFFIC
 - ⑤ ESTIMATED AT 6% BY WEIGHT AT 103.9 LBS. PER CU. FT.
 - ⑥ ESTIMATED AT 2 LBS. PER SQ. YD. LIME STABILIZED ROADBED
 - ⑦ ESTIMATED AT 5 LBS. PER SQ. YD. LIME STABILIZED ROADBED

PAVING AREAS

ITEM DESCRIPTION	MAINLINE			DIVERSION 1		TOTAL PROJECT
	MAINLINE	APPROACHES	ENTRANCES	DIVERSION 1	ENTRANCES	
SQUARE YARDS						
1.25" CL2 ASPH SURF 0.38D PG 64-22	26636	3495	1689			31820
2" CL2 ASPH BASE 0.75D PG 64-22			1865		69	1934
2.5" CL2 ASPH BASE 0.75D PG 64-22	69153					69153
3" CL2 ASPH BASE 0.75D PG 64-22		3535				3535
4" CL2 ASPH BASE 0.75D PG 64-22				4346		4346
4" DGA	21118	3662	2176	4342	70	31368
8.5" DGA	6866					6866
4" TRAFFIC BOUND BASE			1446		141	1587
FULL DEPTH DGA 4" EQUIV.	27766					27766
ASPHALT SEAL AGGREGATE (TWO APPLICATIONS)	3615					3615
ASPHALT SEAL COAT (TWO APPLICATIONS)	3615					3615
LIME STABILIZED ROADBED	15795					15795
LIME	15795					15795
ASPHALT CURING SEAL	15795					15795
SAND FOR BLOTTER	15795					15795

FILE NAME: C:\PWORK\DAVID.ERICKSON\0570749\RO020CSU.DGN

USER: david.erickson
DATE PLOTTED: October 16, 2017

E-SHEET NAME: RO020CSU

MicroStation v8.11.9.832

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	TOTAL PROJECT
0001	DGA BASE ①④	TONS	17157
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0301	CL ASPH SURF 0.38D PG 64-22	TONS	2188
0013	LIME STABILIZED ROADBED	SOYD	15795
0014	LIME ⑤	TON	297
0358	ASPHALT CURING SEAL ⑥	TON	16
2702	SAND FOR BLOTTER ⑦	TON	40

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	MAINLINE	APPROACHES	ENTRANCES	DIVERSION 1	ENTRANCES	
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1.25" CL2 ASPH SURF 0.38D PG 64-22	26636	3495	1689			31820
2" CL2 ASPH BASE 0.75D PG 64-22			1865		69	1934
2.5" CL2 ASPH BASE 0.75D PG 64-22	69153					69153
3" CL2 ASPH BASE 0.75D PG 64-22		3535				3535
4" CL2 ASPH BASE 0.75D PG 64-22				4346		4346
4" DGA	21118	3662	2176	4342	70	31368
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LIME	15795					15795
ASPHALT CURING SEAL	15795					15795
SAND FOR BLOTTER	15795					15795

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MicroStation v8.11.9.832

SPECIAL NOTE FOR INTELLIGENT COMPACTION OF AGGREGATE BASES AND SOILS

This Special Note will apply when indicated on the plans or in the proposal. Section references herein are to the Department's current edition of the Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. Provide and use Intelligent Compaction (IC) Rollers for compaction of Aggregate bases, soil, and soil rock mixtures.

2.0 MATERIALS AND EQUIPMENT. The Contractor shall supply sufficient numbers of rollers and other associated equipment necessary to complete the compaction requirements for the specific materials. The Contractor will determine the number of IC rollers to use depending on the scope of the project. The IC roller(s) may be utilized during production with other standard compaction equipment and shall be used for the evaluation of the compaction operations. Provide at least one (1) roller to be used on the project with the following minimum characteristics:

- 1) Are self propelled vibratory rollers equipped with machine drive power and/or accelerometers mounted in or about the drum to measure the interactions between the rollers and compacted materials in order to evaluate the applied Compactive effort. www.IntelligentCompaction.com contains a list of acceptable rollers equipped with IC technology.
- 2) IC rollers can be either smooth drums or pad footed drums based on the type needed for the aggregate base or soil types to compact.
- 3) The output from the roller is designated as the IC-MV which represents the stiffness of the materials based on the vibration of the roller drums and the resulting response from the underlying materials, or the machine drive power value.
- 4) Are equipped with integrated on-board documentation systems that are capable of displaying real-time color-coded maps of IC measurement values including the stiffness response values, location of the roller, number of roller passes, machine settings, together with the speed, the frequency and amplitude of roller drums. Ensure the display unit is capable of transferring the data by means of a USB port.
- 5) Are equipped with a mounted Global Positioning System GPS radio and receiver either a Real Time Kinematic (RTK-GPS) or Global Navigational Satellite System (GNSS) units that monitor the location and track the number of passes of the rollers. Accuracy of the positioning system must be within 12 inches.

3.0 WORK PLAN. Submit to the Engineer an IC Work Plan at the Preconstruction Conference and/or at least 2 weeks prior to beginning the corresponding construction activities. Describe in the work plan the following:

1. Compaction equipment to be used including:

- Vendor(s)
- Roller model(s),
- Roller dimensions and weights,
- Description of IC measurement system,
- GPS capabilities,
- Documentation system,
- Software.

2. Roller data collection methods including sampling rates and intervals and data file types.

3. Transfer of data to the Engineer including method, timing, and personnel responsible. Data transfer shall be provided by a real time cloud data collecting and distribution system (ex. Visionlink). The Contractor will provide the Cabinet with any vendor specific software, user id, passwords, etc. needed to access the data through this service, cost of this access is incidental to the IC bid item(s).

4. Provide the Section Engineer the following new GPS survey equipment; this is a sole source item to ensure compatibility with the Cabinet’s existing equipment, **the Cabinet retains possession of the equipment upon completion of the project:**

Item	Part No.	Description	Quantity
1	85985-96	Kit - GNSS, SPS855 & SPS985, 900 MHz USA/CAN	1
2	IS51951-80	Option - Combo GLN/GAL/BeiDou/L5, SPS985/SPS855/SPS555H, Construction	1
3	IS50990-11	Upgrade - Precise Base, SPS985 / SPS985L / SPS855 / SPS585, Construction	1
4	56500-90	Kit - External Radio Antenna, 900MHz, Reverse Polarity	1
5	IS50990-13	Option – Premium Precise Rover, SPS985, Construction	1
6	TAB81-1	Trimble Site Tablet 10 w/SCS900, 2.4GHz radio, US WWAN, Gry/Yel, ext battery, extra radio antenna	1
7	104977-01-HH	Site Tablet 10 Pole Mount Kit	1
8	107727-01-HH	Site Tablet 10 Carry Case	1
9	SCS900-22	SCS900 Roading	1
10	SCS900-23	SCS900 Advanced Measurement	1
11	51658-10	Kit - Radio, SNB900, US/Canada	1
12	55201-00	GPS Kit - 2m Range Pole, Quick Release Bipod, Topo Shoe, Bag	1
13	28959-00-HH	Tripod - Adjustable Height, 2m for GPS	1
14	90553-TR-HH	Tripod - Dual Clamp Tri-Max with Trimble Logos	1

5. Training plan and schedule for roller operators, project foreman, project surveyors, and Cabinet personnel; including both classroom and field training from the equipment manufacturer. Training should be conducted at least 1 week before beginning IC construction. The training is to be performed by a qualified representative(s) from the IC Roller manufacture(s) to be used on the project.

4.0 CONSTRUCTION. Prior to the start of production, ensure the proper setup of the GPS, IC roller(s) and the rover(s) by conducting joint GPS correlation and verification testing between the Contractor, GPS representative and IC roller manufacturer using the same datum. Use the project datum system (Northing, Easting and Elevation) when applicable.

1. Ensure GPS correlation and verification testing includes the following minimum processes:
 - a. Establish the GPS system to be used either one with a base station or one with mobile receivers only. Ensure all components in the system are set to the correct coordinate system; then,
 - b. Verify that the roller and rover are working properly and that there is a connection with the base station; then,
 - c. Record the coordinates of the two edges where the front drum of the roller is in contact with the ground from the on-board, color-coded display; then,
 - d. Mark the locations of the roller drum edges and move the roller, and place the mobile receiver at each mark and record the readings; then; then,
2. Compare coordinates between the roller and rover receivers. If the coordinates are within 12.0 in. of each other, the comparison is acceptable. If the coordinates are not within 12.0 in., diagnose and perform necessary corrections and repeat the above steps until verification is acceptable.

3. Do not begin work until acceptable GPS correlation and verification has been obtained. The Contractor and the Department should conduct random GPS verification testing during production to ensure data locations are accurate. The recommended rate is once per day with a requirement of at least once per week.
4. A test strip is to be used for all materials (DGA, CSB, and soil) as outlined and sized in section 302.03.04 to determine optimum rolling pattern, for all materials, and the target density for aggregate bases. A new test strip will be required anytime the material changes, equipment changes, or proper compaction has not been obtained for two (2) consecutive test locations.
5. All acceptance testing shall be as outlined in Standard Specifications sections 200 and 300.
6. Any areas a minimum of 50 square feet in area not achieving the 80% of the stiffness value determined by the latest control strip shall be tested by other means approved by the Engineer. If the material doesn't pass the testing is shall be repaired based on current standards to the satisfaction of the Engineer.

5.0 MEASUREMENT. The Department will measure the total tons of aggregate base (DGA and/or CSB) and total cubic yards of soil compacted using the IC roller(s). The use of non-IC rollers is allowed on this project, but an IC roller must be used as well.

6.0 PAYMENT. The Department will make payment for the completed and accepted quantities under the following:

1. All areas with a minimum of 80% pass coverage and 75% required stiffness readings.
2. Payment is full compensation for all work associated with providing IC equipped rollers, survey equipment, transmission of electronic data files, two copies of IC roller manufacturer software, and training.
3. Delays due to GPS satellite reception of signals to operate the IC equipment or IC roller breakdowns will not be considered justification for contract modifications or contract extensions.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24779EC	Intelligent Compaction for Soil	CY
24780EC	Intelligent Compaction for Aggregate	TON

Aug. 25, 2017

PROPOSAL BID ITEMS

171040

Report Date 10/17/17

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	17,157.00	TON		\$	
0020	00013		LIME STABILIZED ROADBED (REVISED: 10-17-17)	15,795.00	SQYD		\$	
0021	00014		LIME (ADDED: 10-17-17)	297.00	TON		\$	
0030	00020		TRAFFIC BOUND BASE	350.00	TON		\$	
0040	00100		ASPHALT SEAL AGGREGATE	73.00	TON		\$	
0050	00103		ASPHALT SEAL COAT	9.00	TON		\$	
0060	00221		CL2 ASPH BASE 0.75D PG64-22 (REVISED: 10-17-17)	11,263.00	TON		\$	
0070	00301		CL2 ASPH SURF 0.38D PG64-22	2,188.00	TON		\$	
0075	00358		ASPHALT CURING SEAL (ADDED: 10-17-17)	16.00	TON		\$	
0076	02702		SAND FOR BLOTTER (ADDED: 10-17-17)	40.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0080	00078		CRUSHED AGGREGATE SIZE NO 2	1,000.00	TON		\$	
0090	01310		REMOVE PIPE	70.00	LF		\$	
0100	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	30.00	EACH		\$	
0110	02014		BARRICADE-TYPE III	8.00	EACH		\$	
0120	02091		REMOVE PAVEMENT	2,778.00	SQYD		\$	
0130	02159		TEMP DITCH	3,771.00	LF		\$	
0140	02160		CLEAN TEMP DITCH	1,886.00	LF		\$	
0150	02223		GRANULAR EMBANKMENT	100.00	CUYD		\$	
0160	02230		EMBANKMENT IN PLACE	116,953.00	CUYD		\$	
0170	02242		WATER	100.00	MGAL		\$	
0180	02259		FENCE-TEMP	2,370.00	LF		\$	
0190	02351		GUARDRAIL-STEEL W BEAM-S FACE	2,675.00	LF		\$	
0200	02360		GUARDRAIL TERMINAL SECTION NO 1	3.00	EACH		\$	
0210	02391		GUARDRAIL END TREATMENT TYPE 4A	21.00	EACH		\$	
0220	02397		TEMP GUARDRAIL	755.00	LF		\$	
0230	02429		RIGHT-OF-WAY MONUMENT TYPE 1	77.00	EACH		\$	
0240	02432		WITNESS POST	3.00	EACH		\$	
0250	02469		CLEAN SINKHOLE	1.00	EACH		\$	
0260	02483		CHANNEL LINING CLASS II	1,499.00	TON		\$	
0270	02484		CHANNEL LINING CLASS III	1,182.00	TON		\$	
0280	02545		CLEARING AND GRUBBING 19.2 ACRES	1.00	LS		\$	
0290	02562		TEMPORARY SIGNS	196.00	SQFT		\$	
0300	02585		EDGE KEY	178.00	LF		\$	
0310	02599		FABRIC-GEOTEXTILE TYPE IV	4,000.00	SQYD		\$	
0320	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0330	02651		DIVERSIONS (BY-PASS DETOURS) STA. 101+75.15 TO STA. 118+39.73	1.00	LS		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 10-17-17

171040

Page 2 of 3

Report Date 10/17/17

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0340	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0350	02690		SAFELoADING	4.20	CUYD		\$	
0360	02696		SHOULDER RUMBLE STRIPS	14,719.00	LF		\$	
0370	02701		TEMP SILT FENCE	3,771.00	LF		\$	
0380	02703		SILT TRAP TYPE A	20.00	EACH		\$	
0390	02704		SILT TRAP TYPE B	20.00	EACH		\$	
0400	02705		SILT TRAP TYPE C	20.00	EACH		\$	
0410	02706		CLEAN SILT TRAP TYPE A	20.00	EACH		\$	
0420	02707		CLEAN SILT TRAP TYPE B	20.00	EACH		\$	
0430	02708		CLEAN SILT TRAP TYPE C	20.00	EACH		\$	
0440	02726		STAKING	1.00	LS		\$	
0450	05950		EROSION CONTROL BLANKET	23,557.00	SQYD		\$	
0460	05952		TEMP MULCH	92,756.00	SQYD		\$	
0470	05963		INITIAL FERTILIZER	3.00	TON		\$	
0480	05964		20-10-10 FERTILIZER	4.80	TON		\$	
0490	05985		SEEDING AND PROTECTION	92,756.00	SQYD		\$	
0500	05992		AGRICULTURAL LIMESTONE	57.60	TON		\$	
0510	06406		SBM ALUM SHEET SIGNS .080 IN	58.50	SQFT		\$	
0520	06407		SBM ALUM SHEET SIGNS .125 IN	32.00	SQFT		\$	
0530	06411		STEEL POST TYPE 2	132.00	LF		\$	
0540	06510		PAVE STRIPING-TEMP PAINT-4 IN	15,000.00	LF		\$	
0550	06514		PAVE STRIPING-PERM PAINT-4 IN	27,693.00	LF		\$	
0560	06530		PAVE STRIPING REMOVAL-4 IN	15,000.00	LF		\$	
0570	06567		PAVE MARKING-THERMO STOP BAR-12IN	56.00	LF		\$	
0580	10020NS		FUEL ADJUSTMENT	57,452.00	DOLL	\$1.00	\$	\$57,452.00
0590	10030NS		ASPHALT ADJUSTMENT	46,340.00	DOLL	\$1.00	\$	\$46,340.00
0600	20315ED		CLAY SOIL CAP	15.00	CUYD		\$	
0610	21373ND		REMOVE SIGN	6.00	EACH		\$	
0620	23649EC		DRAIN POND	1.00	LS		\$	
0630	24564EN		PVC PIPE 1 3/4 IN	225.00	LF		\$	
0640	24631EC		BARCODE SIGN INVENTORY	11.00	EACH		\$	
0650	24668EC		STEEL ENCAsEMENT PIPE 4 IN	152.00	LF		\$	
0660	24779EC		INTELLIGENT COMPACTION FOR SOIL	116,953.00	CUYD		\$	
0670	24780EC		INTELLIGENT COMPACTION FOR AGGREGATE	14,600.00	TON		\$	
0680	24781EC		INTELLIGENT COMPACTION FOR ASPHALT	12,045.00	TON		\$	
0690	24805ED		OBJECT MARKER TYPE 4	2.00	EACH		\$	
0700	24891EC		PAVE MOUNT INFRARED TEMP EQUIPMENT	1,029,393.00	SF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0710	00440		ENTRANCE PIPE-15 IN	709.00	LF		\$	
0720	00441		ENTRANCE PIPE-18 IN	180.00	LF		\$	
0730	00443		ENTRANCE PIPE-24 IN	50.00	LF		\$	
0740	00462		CULVERT PIPE-18 IN	219.00	LF		\$	
0750	00464		CULVERT PIPE-24 IN	88.00	LF		\$	
0760	00468		CULVERT PIPE-36 IN	85.00	LF		\$	

PROPOSAL BID ITEMS

REVISED ADDENDUM #1: 10-17-17

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0770	00469		CULVERT PIPE-42 IN	97.00	LF		\$	
0780	01000		PERFORATED PIPE-4 IN	911.00	LF		\$	
0790	01010		NON-PERFORATED PIPE-4 IN	120.00	LF		\$	
0800	01028		PERF PIPE HEADWALL TY 3-4 IN	12.00	EACH		\$	
0810	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
0820	01208		PIPE CULVERT HEADWALL-24 IN	1.00	EACH		\$	
0830	01212		PIPE CULVERT HEADWALL-36 IN	2.00	EACH		\$	
0840	01214		PIPE CULVERT HEADWALL-42 IN	2.00	EACH		\$	
0850	01450		S & F BOX INLET-OUTLET-18 IN	4.00	EACH		\$	
0860	01451		S & F BOX INLET-OUTLET-24 IN	1.00	EACH		\$	
0870	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	2,222.00	SQYD	\$2.00	\$	\$4,444.00
0880	24814EC		PIPELINE INSPECTION	934.50	LF		\$	

Section: 0004 - BRIDGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0890	08002		STRUCTURE EXCAV-SOLID ROCK	119.00	CUYD		\$	
0900	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0910	08100		CONCRETE-CLASS A	1,172.40	CUYD		\$	
0920	08150		STEEL REINFORCEMENT	261,557.00	LB		\$	

Section: 0005 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0930	02568		MOBILIZATION	1.00	LS		\$	
0940	02569		DEMOBILIZATION	1.00	LS		\$	