



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

July 3, 2023

Addendum No. 1

RE: Contract # C204738

WBS # 49909.3.1

FEDERAL AID NO. 0040119

McDowell County (HI-0010)

I-40 FROM MILEMARKER 67 TO MILEMARKER 73 (OLD FORT MOUNTAIN).

July 18, 2023 Letting

To Whom It May Concern:

Reference is made to the proposal and plans furnished to you on this project.

The following revisions have been made to the Roadway Plans.

Sheet No.	Revision
2A-1	Two notes added in lower right-hand corner.
2C-6 (New)	Single Slope Concrete Barrier detail plan sheet added.

Please void the above listed Sheets in your Plans and staple the revised Sheets thereto.
Staple New Sheet 2C-6 after Sheet 2C-5 in your plans.

The following revisions have been made to the proposal.

Page No.	Revision
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 07-03-2023".
G-46 thru G-47	The project special provision entitled NOTES TO CONTRACTOR has been revised. Third paragraph revised.
G-47 (New)	The project special provision entitled NOTES TO CONTRACTOR has been revised. Table added.

Please void the above listed existing Pages in your proposal and staple the revised Pages thereto.

Staple New Page G-47 after new G-46 in your proposal.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
CONTRACT STANDARDS AND DEVELOPMENT
1591 MAIL SERVICE CENTER
RALEIGH, NC 27699-1591

Telephone: (919) 707-6900
Fax: (919) 250-4127
Customer Service: 1-877-368-4968

Location:
1020 BIRCH RIDGE DR.
RALEIGH, NC 27610

Website: www.ncdot.gov

On the item sheets the following pay item revision has been made:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0112-2703000000-E 854	CONCRETE BARRIER, TYPE SINGLE SLOPE DOUBLE FACED, 60"	NEW ITEM	40 LF

The Contractor's bid must include this pay item revision.

The electronic bidding file has been updated to reflect this revision. Please download the Addendum File and follow the instructions for applying the addendum. Bid Express will not accept your bid unless the addendum has been applied.

The contract will be prepared accordingly.

Sincerely,

DocuSigned by:

F81B6038A47A442...

Ronald E. Davenport, Jr., PE
State Contract Officer

RED/cms
Attachments

cc: Mr. Boyd Tharrington, PE
Mr. Tim Anderson, PE
Mr. Ken Kennedy, PE
Mr. Mike Gwyn
Project File (2)

Mr. Forrest Dungan, PE
Ms. Jaci Kincaid
Mr. Jon Weathersbee, PE

STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
RALEIGH, N.C.

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 07-03-2023

DATE AND TIME OF BID OPENING: **Jul 18, 2023 AT 02:00 PM**

CONTRACT ID C204738
WBS 49909.3.1

FEDERAL-AID NO. 0040119
COUNTY MCDOWELL
T.I.P NO. HI-0010
MILES 5.940
ROUTE NO. I-40
LOCATION I-40 FROM MILEMARKER 67 TO MILEMARKER 73 (OLD FORT MOUNTAIN).

TYPE OF WORK PAVEMENT REHABILITATION.

NOTICE:

ALL BIDDERS SHALL COMPLY WITH ALL APPLICABLE LAWS REGULATING THE PRACTICE OF GENERAL CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA WHICH REQUIRES THE BIDDER TO BE LICENSED BY THE N.C. LICENSING BOARD FOR CONTRACTORS WHEN BIDDING ON ANY NON-FEDERAL AID PROJECT WHERE THE BID IS \$30,000 OR MORE, EXCEPT FOR CERTAIN SPECIALTY WORK AS DETERMINED BY THE LICENSING BOARD. BIDDERS SHALL ALSO COMPLY WITH ALL OTHER APPLICABLE LAWS REGULATING THE PRACTICES OF ELECTRICAL, PLUMBING, HEATING AND AIR CONDITIONING AND REFRIGERATION CONTRACTING AS CONTAINED IN CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA. NOTWITHSTANDING THESE LIMITATIONS ON BIDDING, THE BIDDER WHO IS AWARDED ANY FEDERAL - AID FUNDED PROJECT SHALL COMPLY WITH CHAPTER 87 OF THE GENERAL STATUTES OF NORTH CAROLINA FOR LICENSING REQUIREMENTS WITHIN 60 CALENDAR DAYS OF BID OPENING.

BIDS WILL BE RECEIVED AS SHOWN BELOW:

THIS IS A ROADWAY PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

The Engineer will perform independent turbidity tests on a random basis. These results will be maintained in a log within the project records. Records will include, at a minimum, turbidity test results, time, date and name of sampler. Should the Department's test results exceed those of the Contractor's test results, an immediate test shall be performed jointly with the results superseding the previous test results of both the Department and the Contractor.

The Contractor shall use the *NCDOT Turbidity Reduction Options for Borrow Pits Matrix*, available at <https://connect.ncdot.gov/resources/roadside/FieldOperationsDocuments/TurbidityReductionOptionSheet.pdf> to plan, design, construct, and maintain BMPs to address water quality standards. Tier I Methods include stilling basins which are standard compensatory BMPs. Other Tier I methods are noncompensatory and shall be used when needed to meet the stream turbidity standards. Tier II Methods are also noncompensatory and are options that may be needed for protection of rare or unique resources or where special environmental conditions exist at the site which have led to additional requirements being placed in the DWQ's 401 Certifications and approval letters, Isolated Wetland Permits, Riparian Buffer Authorization or a DOT Reclamation Plan's Environmental Assessment for the specific site. Should the Contractor exhaust all Tier I Methods on a site exclusive of rare or unique resources or special environmental conditions, Tier II Methods may be required by regulators on a case by case basis per supplemental agreement.

The Contractor may use cation exchange capacity (CEC) values from proposed site borings to plan and develop the bid for the project. CEC values exceeding 15 milliequivalents per 100 grams of soil may indicate a high potential for turbidity and should be avoided when dewatering into surface water is proposed.

No additional compensation for monitoring borrow pit discharge will be paid.

NOTES TO CONTRACTOR:

The Contractors attention is directed to the fact that existing Snowplowable Markers are present on the edge lines and skip lines of I-40. Proposed markers shall be spaced in accordance with STD 1250.01 except for the markers along the skip lines. Skip line markers shall be spaced 40' apart regardless of the degree of horizontal curvature.

The Contractor shall extend the existing guardrail and attach a new Guardrail Anchor Unit, Type III to the existing concrete median barrier at the bridge over the I-40 Eastbound off ramp to W. Main Street.

The Contractor shall remove and replace the precast median barrier on this project with single sloped double-faced concrete barrier. The existing single slope barrier shall remain in place. All gaps in the median barrier wall shall be marked and reinstalled in the same location. All 6 of the existing impact attenuators in the median gaps shall be replaced with new Impact Attenuators Type TL-3 (non-gating). The existing median barrier removable gates shall be removed and reset in the same location once the new concrete barrier is installed. The existing gates shall not be removed until temporary barriers are in place to prevent accidental vehicle crossovers.

Table correlating the BL points on each plan sheet with Mile Posts:

POINT	DESC	BL STATION	MILE POST	SHEET
2	GPS-2	16+72.22	67.63	4
9	BL-9	22+21.50	67.73	4
10	BL-10	27+13.03	67.82	4
11	BL-11	32+44.42	67.92	5
12	BL-12	37+59.45	68.01	5
13	BL-13	47+20.50	68.19	6
14	BL-14	53+18.40	68.31	6
15	BL-15	63+03.35	68.49	7
4	GPS-4	82+76.95	68.86	8
16	BL-16	87+49.23	68.94	8
17	BL-17		69.07	
20	BL-20	128+03.21	69.68	9
21	BL-21	133+19.10	69.79	9
22	BL-22	148+08.80	70.07	10
23	BL-23	153+31.75	70.16	10 & 11
24	BL-24	157+49.09	70.24	11
25	BL-25	165+63.42	70.39	11
32	BL-32	215+30.89	71.31	12
7	GPS-7	226+43.89	71.52	13

County: MCDOWELL

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0000400000-N	801	CONSTRUCTION SURVEYING	Lump Sum	L.S.	
0003	0000700000-N	SP	FIELD OFFICE	Lump Sum	L.S.	
0004	0036000000-E	225	UNDERCUT EXCAVATION	560 CY		
0005	0106000000-E	230	BORROW EXCAVATION	400 CY		
0006	0134000000-E	240	DRAINAGE DITCH EXCAVATION	260 CY		
0007	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	430 TON		
0008	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	1,340 SY		
0009	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	3,968 LF		
0010	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	12 LF		
0011	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	16 LF		
0012	0995000000-E	340	PIPE REMOVAL	112 LF		
0013	1004500000-E	505	GENERIC GRADING ITEM GEOTEXTILE FOR SUBGRADE STABILIZATION	1,340 SY		
0014	1099500000-E	505	SHALLOW UNDERCUT	310 CY		
0015	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	400 TON		
0016	1121000000-E	520	AGGREGATE BASE COURSE	360 TON		
0017	1220000000-E	545	INCIDENTAL STONE BASE	1,020 TON		

County: MCDOWELL

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	1245000000-E	SP	SHOULDER RECONSTRUCTION	1 SMI		
0019	1260000000-E	SP	AGGREGATE SHOULDER BORROW	400 TON		
0020	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1/2")	134,940 SY		
0021	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (3")	74,000 SY		
0022	1330000000-E	607	INCIDENTAL MILLING	4,530 SY		
0023	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	60 TON		
0024	1524200000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	12,080 TON		
0025	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	152 TON		
0026	1577000000-E	620	POLYMER MODIFIED ASPHALT BINDER FOR PLANT MIX	1,194 TON		
0027	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	180 TON		
0028	1704000000-E	SP	PATCHING EXISTING PAVEMENT	3,100 TON		
0029	1839140000-E	661	ULTRA-THIN BONDED WEARING COURSE	9,730 TON		
0030	1840000000-E	665	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	10,800 LF		
0031	2253000000-E	840	PIPE COLLARS	6.34 CY		
0032	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	50 EA		
0033	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	5 LF		
0034	2407000000-N	840	STEEL FRAME WITH TWO GRATES, STD 840.37	50 EA		

County: MCDOWELL

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	2473000000-N	SP	GENERIC DRAINAGE ITEM DRAINAGE STRUCTURE CLEANOUT	60 EA		
0036	2473000000-N	SP	GENERIC DRAINAGE ITEM REMOVE AND REPLACE CONCRETE APRON FOR DROP INLET	5 EA		
0037	2489000000-E	SP	GENERIC DRAINAGE ITEM REMOVE AND REPLACE 4" CONCRETE PAVED DITCH	485 SY		
0038	2703000000-E	854	CONCRETE BARRIER, TYPE ***** (SINGLE SLOPE DOUBLE FACED)	21,430 LF		
0039	2710000000-N	854	CONCRETE BARRIER TRANSITION SECTION	9 EA		
0040	2752000000-E	SP	GENERIC PAVING ITEM EXISTING BARRIER WALL REMOVAL	21,430 LF		
0041	2815000000-N	858	ADJUSTMENT OF DROP INLETS	10 EA		
0042	2830000000-N	858	ADJUSTMENT OF MANHOLES	3 EA		
0043	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	3 EA		
0044	2905000000-N	859	CONVERT EXISTING DROP INLET TO JUNCTION BOX	4 EA		
0045	3001000000-N	SP	IMPACT ATTENUATOR UNITS, TYPE TL-3	6 EA		
0046	3030000000-E	862	STEEL BEAM GUARDRAIL	200 LF		
0047	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	10 EA		
0048	3195000000-N	862	GUARDRAIL END UNITS, TYPE AT-1	2 EA		
0049	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	8 EA		
0050	3215000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE III	15 EA		
0051	3360000000-E	863	REMOVE EXISTING GUARDRAIL	100 LF		

County: MCDOWELL

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	3435000000-N	SP	GENERIC GUARDRAIL ITEM REMOVE AND RESET MEDIAN BARRIER REMOVABLE GATE	3 EA		
0053	3649000000-E	876	RIP RAP, CLASS B	400 TON		
0054	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	4,000 SY		
0055	4079000000-N	903	SUPPORTS, BARRIER (SMALL)	7 EA		
0056	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (E)	8 EA		
0057	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	880 SF		
0058	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	384 SF		
0059	4415000000-N	1115	FLASHING ARROW BOARD	4 EA		
0060	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	6 EA		
0061	4422000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN (SHORT TERM)	14 DAY		
0062	4423000000-N	SP	WORK ZONE DIGITAL SPEED LIMIT SIGNS	10 EA		
0063	4424000000-N	SP	WORK ZONE PRESENCE LIGHTING	14 EA		
0064	4430000000-N	1130	DRUMS	250 EA		
0065	4434000000-N	SP	SEQUENTIAL FLASHING WARNING LIGHTS	24 EA		
0066	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	2 EA		
0067	4470000000-N	1160	REMOVE & RESET TEMPORARY CRASH CUSHION	18 EA		
0068	4480000000-N	1165	TMA	2 EA		

County: MCDOWELL

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0069	4485000000-E	1170	PORTABLE CONCRETE BARRIER	12,000 LF		
0070	4500000000-E	1170	REMOVE AND RESET PORTABLE CONCRETE BARRIER	65,000 LF		
0071	4510000000-N	1190	LAW ENFORCEMENT	2,528 HR		
0072	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM CONNECTED LANE CLOSURE SYSTEM	2 EA		
0073	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	800 EA		
0074	4688000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (6", 90 MILS)	156,948 LF		
0075	4700000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (12", 90 MILS)	5,400 LF		
0076	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	12 EA		
0077	4775000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (II)	780 LF		
0078	4775000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)	2,000 LF		
0079	4815000000-E	1205	PAINT PAVEMENT MARKING LINES (6")	308,750 LF		
0080	4825000000-E	1205	PAINT PAVEMENT MARKING LINES (12")	6,000 LF		
0081	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	10 EA		
0082	4855000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (6")	17,500 LF		
0083	4905100000-N	SP	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	8,832 EA		
0084	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	
0085	6000000000-E	1605	TEMPORARY SILT FENCE	220 LF		

County: MCDOWELL

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0086	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	80 TON		
0087	6012000000-E	1610	SEDIMENT CONTROL STONE	100 TON		
0088	6015000000-E	1615	TEMPORARY MULCHING	2 ACR		
0089	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	50 LB		
0090	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	1 TON		
0091	6029000000-E	SP	SAFETY FENCE	400 LF		
0092	6030000000-E	1630	SILT EXCAVATION	120 CY		
0093	6036000000-E	1631	MATTING FOR EROSION CONTROL	140 SY		
0094	6038000000-E	SP	PERMANENT SOIL REINFORCEMENT MAT	120 SY		
0095	6042000000-E	1632	1/4" HARDWARE CLOTH	100 LF		
0096	6071010000-E	SP	WATTLE	680 LF		
0097	6071012000-E	SP	COIR FIBER WATTLE	100 LF		
0098	6071020000-E	SP	POLYACRYLAMIDE (PAM)	48 LB		
0099	6084000000-E	1660	SEEDING & MULCHING	1 ACR		
0100	6087000000-E	1660	MOWING	1 ACR		
0101	6090000000-E	1661	SEED FOR REPAIR SEEDING	200 LB		
0102	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	1 TON		

County: MCDOWELL

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0103	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	200 LB		
0104	6108000000-E	1665	FERTILIZER TOPDRESSING	2 TON		
0105	6114500000-N	1667	SPECIALIZED HAND MOWING	60 MHR		
0106	6114800000-N	SP	MANUAL LITTER REMOVAL	100 MHR		
0107	6114900000-E	SP	LITTER DISPOSAL	3 TON		
0108	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	22 EA		
0109	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	4 EA		
0110	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE	50 EA		
0111	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	150 EA		
0112	2703000000-E	854	CONCRETE BARRIER, TYPE ***** (SINGLE SLOPE DOUBLE FACED, 60")	40 LF		

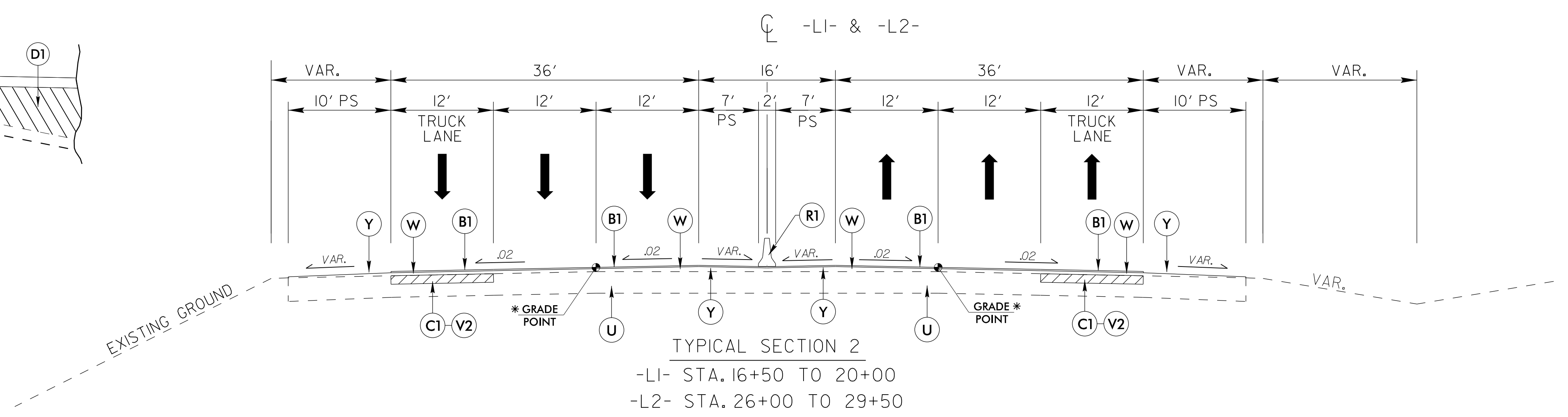
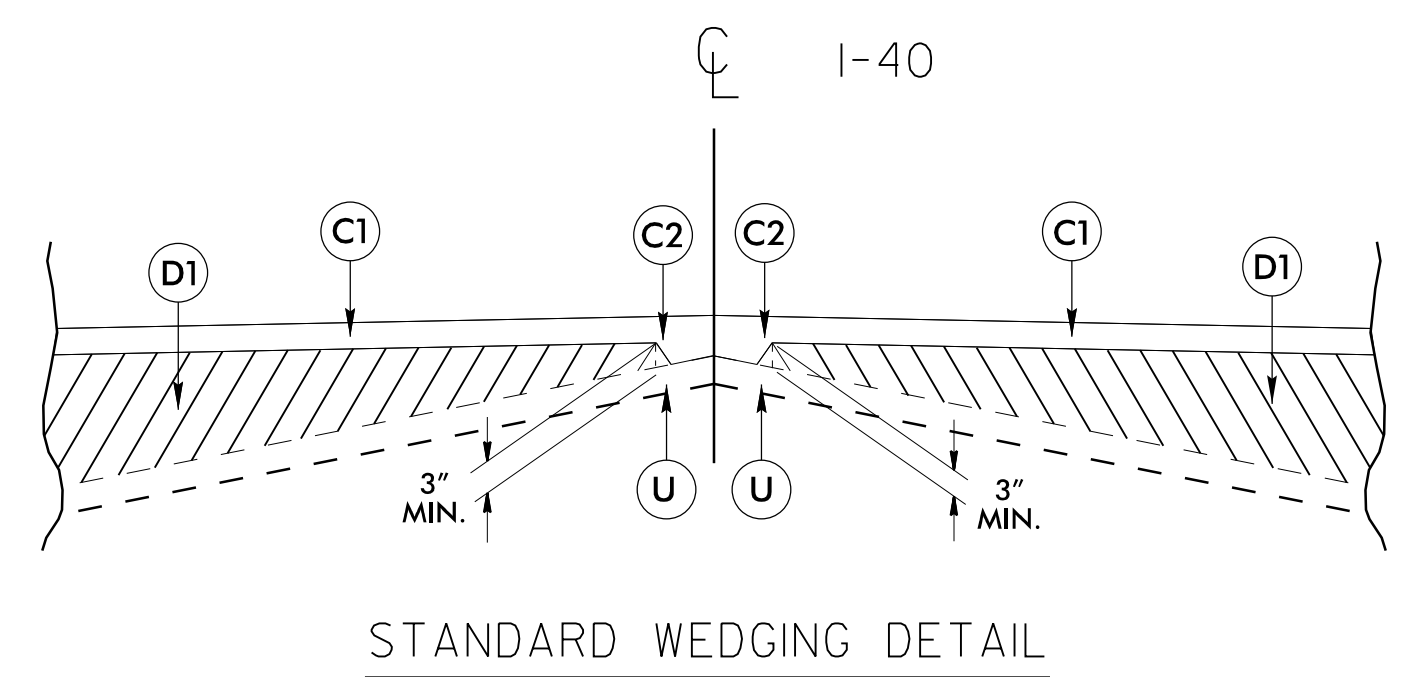
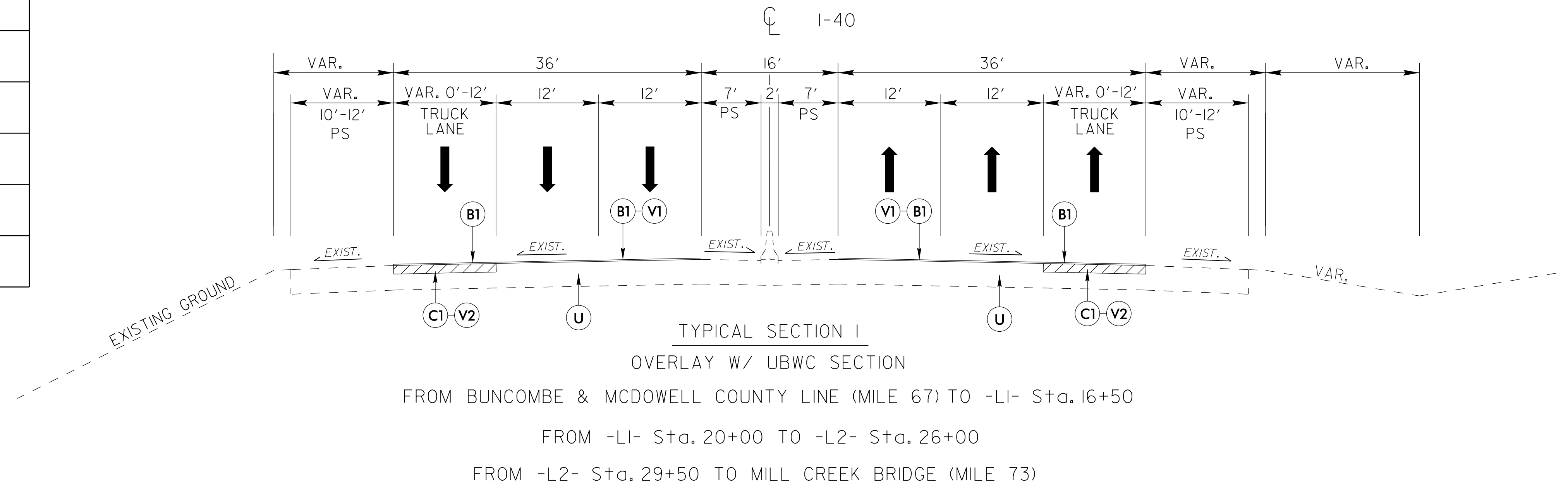
1231/Jun30/Q901173.34/D401492082000/E112

Total Amount Of Bid For Entire Project :

6/2/99

PAVEMENT SCHEDULE	
B1	PROP. APPROX. 5/8" ULTRATHIN BONDED WEARING COURSE (UBWC), AT AN AVERAGE RATE OF 70 LBS. PER SQ. YD.
C1	PROP. APPROX. 3" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 168 LBS. PER SQ. YD. IN EACH OF TWO LAYERS.
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5D, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 1 1/2" OR GREATER THAN 2" IN DEPTH
D1	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0C, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH TO BE PLACED IN LAYERS NOT LESS THAN 2 1/2" OR GREATER THAN 4" IN DEPTH.
R1	CONCRETE MEDIAN BARRIER
U	EXISTING PAVEMENT
V1	0.5" MILLING (AS NEEDED)
V2	3" MILLING
W	VARIABLE DEPTH ASPHALT PAVEMENT
Y	RUMBLE STRIPS

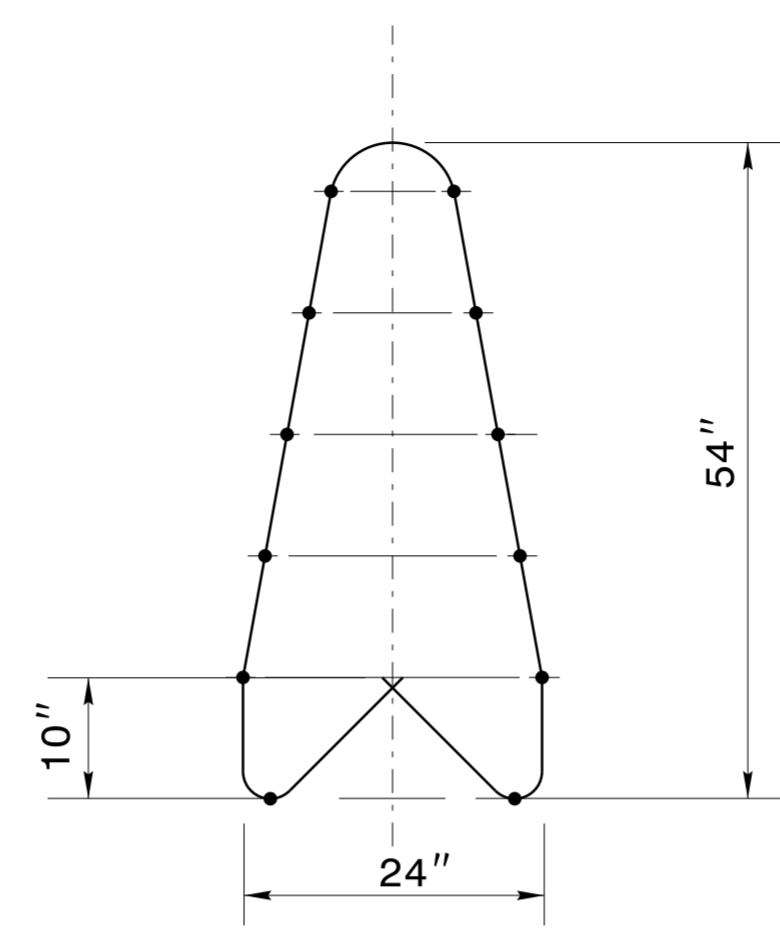
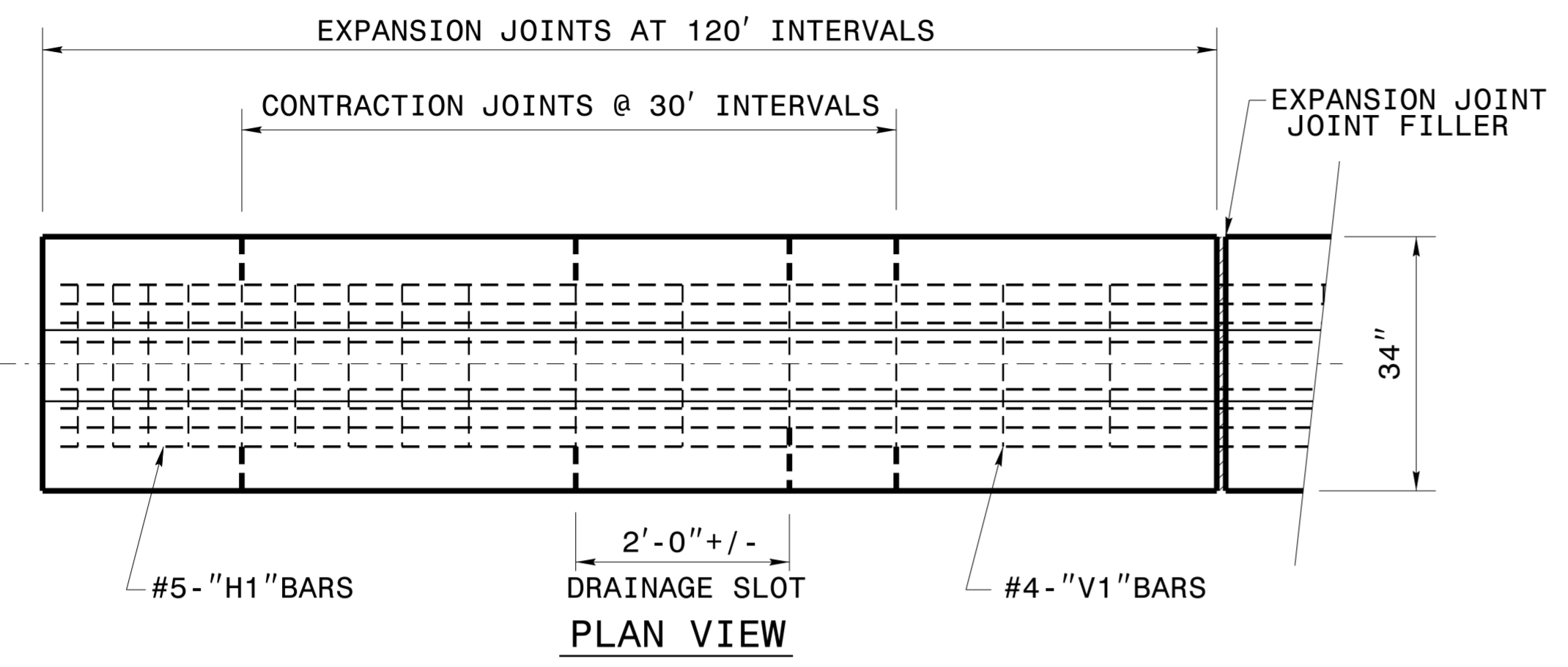
PROJECT REFERENCE NO.	SHEET NO.
HI-0010	2A-1



* NOTE: GRADE POINT ELEVATIONS PROVIDED ON CROSS SECTIONS

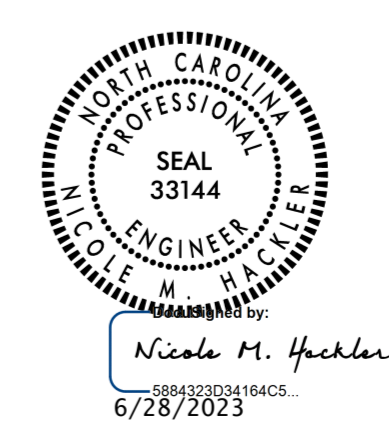
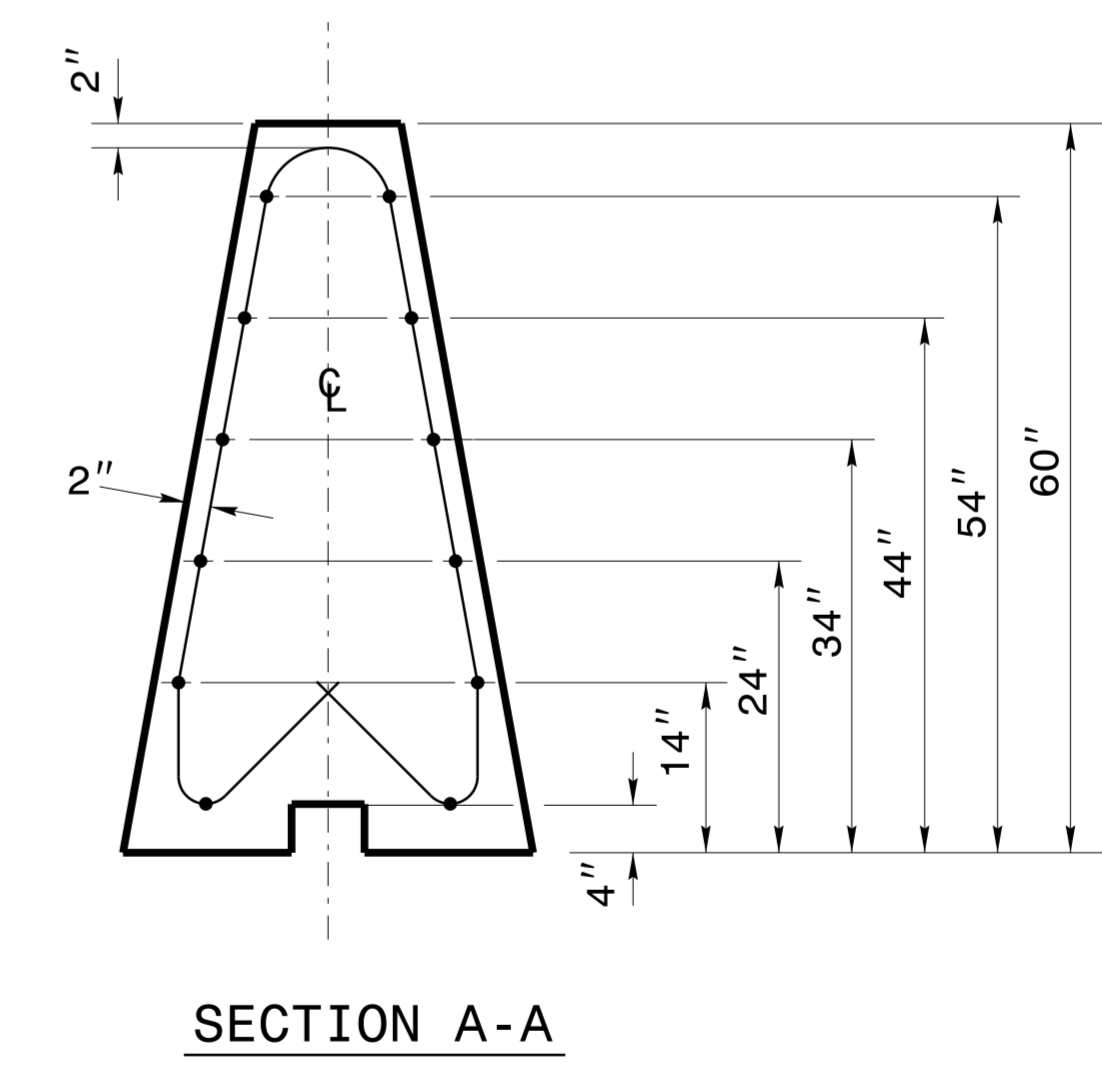
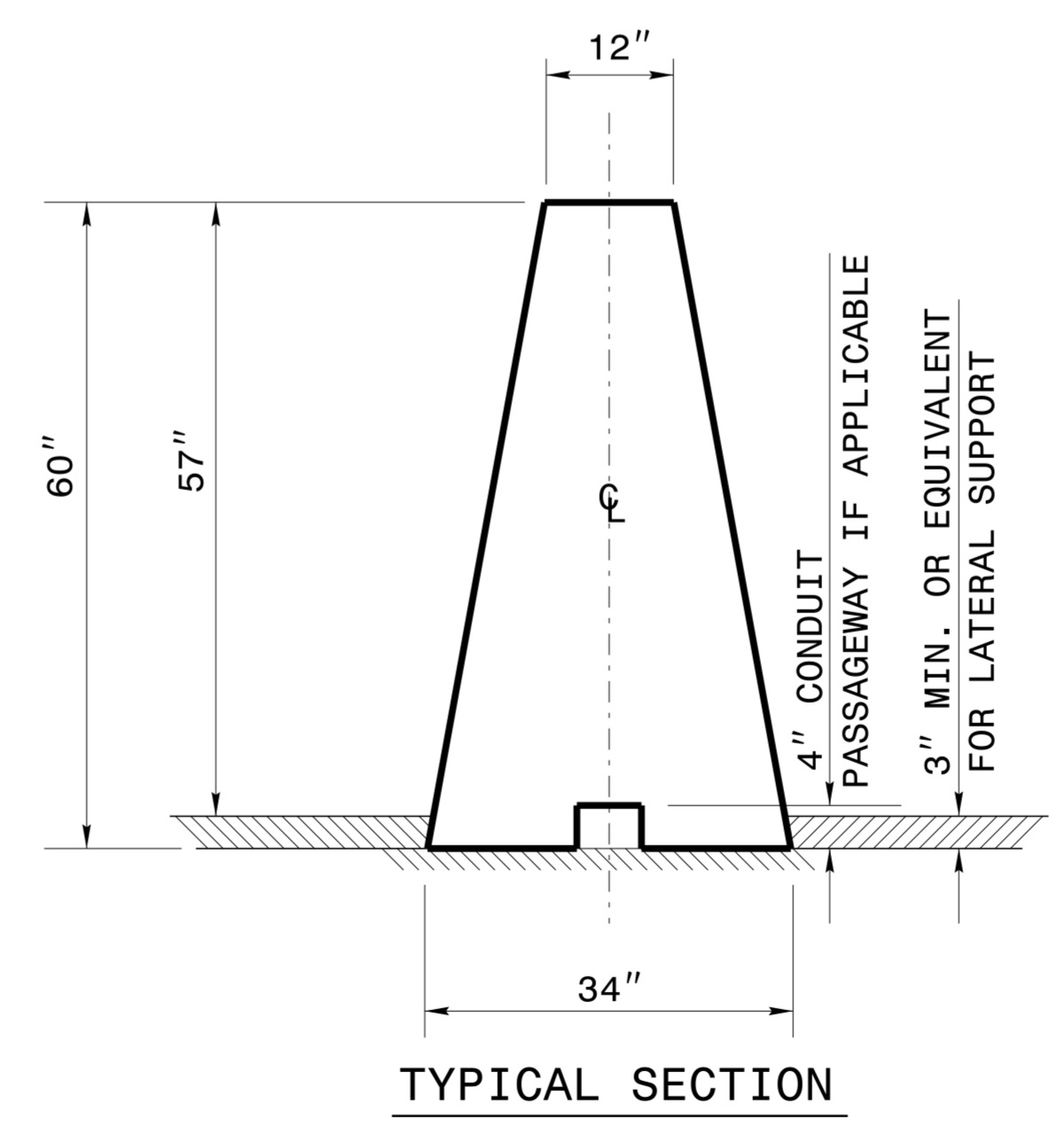
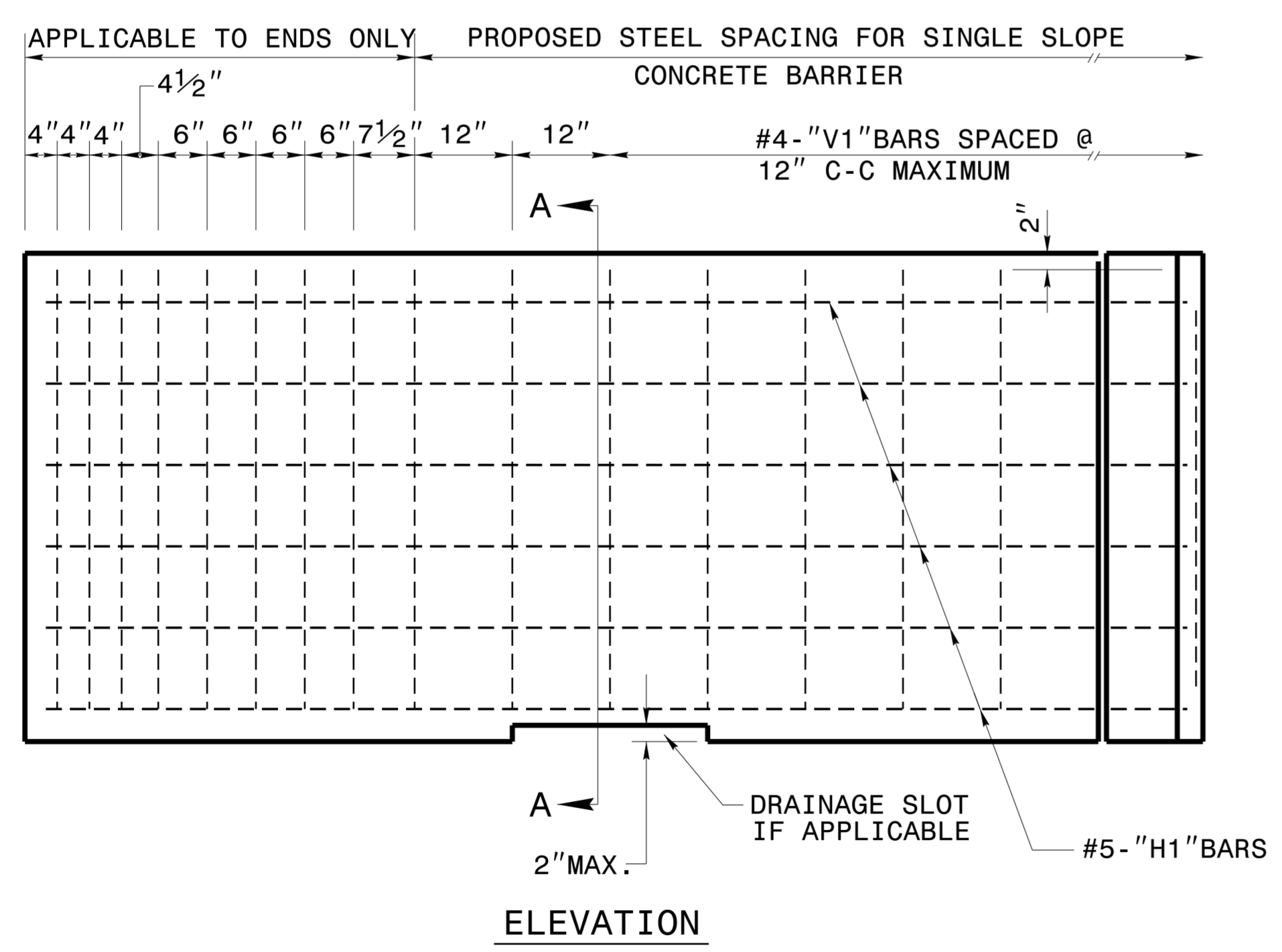
Remove existing portable concrete median barrier and replaced with 42" single slope concrete barrier as shown on detail sheet 2C-1 at the follow locations:
Mile Post 66.88 to 68.88, Mile Post 69.33 to 70.99 and Mile Post 71.21 to 71.72

Remove existing single slope concrete barrier and replace with 60" single slope concrete barrier as shown on detail sheet 2C-6 at the following location:
Pipe crossing between drainage structure 801 and 802 at Mile Post 68.90



GENERAL NOTES:

- USE CLASS "AA" CONCRETE.
 - CHAMFER TOP AND ENDS OF BARRIER 1/2 INCH.
 - USE BAR SPLICE LENGTHS A MINIMUM OF 20 TIMES THE NORMAL DIAMETER OF THE BAR. ANY METHOD DEvised BY THE CONTRACTOR AND APPROVED BY THE ENGINEER THAT WILL ASSURE THE LONGITUDINAL ROADWAY STEEL WILL BE POSITIONED +/- 1/2 INCH AS DIMENSIONED WILL BE SATISFACTORY.
 - REFER TO ROADWAY STANDARD DRAWING NO.854.01 FOR EXPANSION AND CONTRACTION JOINT, FILLER AND OTHER SPECIFICATIONS.
- WELDED WIRE FABRIC MAY BE USED AS AN OPTION TO CONVENTIONAL REINFORCEMENT FOR CAST-IN-PLACE BARRIER. WELDED WIRE FABRIC SHALL BE MADE IN ACCORDANCE WITH ASTM A497. CONDUIT TO BE PROVIDED ONLY WHEN CALLED FOR ELSEWHERE IN THE PLANS. POSITION OF THE CONDUIT CONDUIT PASSAGEWAY MAY BE ADJUSTED TO FACILITATE CONSTRUCTION, SUBJECT TO APPROVAL BY THE ENGINEER.



CONTRACT STANDARDS & DEVELOPMENT UNIT
STANDARDS AND SPECIAL DESIGN
Office 919-250-4128 FAX 919-250-4119

**SINGLE SLOPE
CONCRETE BARRIER**

ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: kakempf DATE: 03-03-10
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: details/nbritt/english/gurardrail/single slope concrete barrier.dgn