



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

February 13, 2017

Addendum No. 1

RE: Contract # C203929

WBS # 53008.3.1

FA # NHPP-0040(028)

Davie County (I-5765)

I-40 FROM 0.5 MILES WEST OF US-601 TO 1.2 MILES EAST OF SR-1410 (FARMINGTON ROAD).

February 21, 2017 Letting

To Whom It May Concern:

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

The following revisions have been made to the plans:

Sheet No.	Revisions
3B-1	Revised to include Summary of Concrete Pavement Removal

Please void sheet No. 3B-1 in your plans and staple the revised sheet thereto.

The following revisions have been made to the proposal:

Page No.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 2-13-17"

Please void the Proposal Cover in your proposal and replace with the revised page.

On the item sheets the following pay item has been added:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0120-0163000000-E-250	Removal of Existing Concrete Pavement	NEW ITEM	8000 SY

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

The Contractor's bid must include this new pay item. The contract will be prepared accordingly.

The Expedite File has been updated to reflect this revision. Please download the Expedite 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,

A handwritten signature in black ink, appearing to read "R. A. Garris", is enclosed in a rectangular box. Above the signature, the letters "DS" are printed in a small font.

R. A. Garris, PE
Contract Officer

RAG/jjr

cc: Mr. Lamar Sylvester, PE
Mr. Pat Ivey, PE
Mr. Rodger Rochelle, PE
Mr. R.E. Davenport, PE
Mr. Ken Kennedy, PE
Ms. Jaci Kincaid
Project File (2)

Mr. Ray Arnold, PE
Ms. Theresa Canales, PE
Ms. Marsha Sample
Mr. Mike Gwyn
Ms. Penny Higgins
Ms. Lori Strickland
Mr. Mitchell Dixon

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

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 2-13-17

DATE AND TIME OF BID OPENING: **FEBRUARY 21, 2017 AT 2:00 PM**

CONTRACT ID C203929
WBS 53008.3.1

FEDERAL-AID NO. NHPP-0040(028)

COUNTY DAVIE

T.I.P. NO. I-5765

MILES 6.357

ROUTE NO. I 40

LOCATION I-40 FROM 0.5 MILES WEST OF US-601 TO 1.2 MILES EAST OF
SR-1410 (FARMINGTON ROAD).

TYPE OF WORK PAVEMENT AND BRIDGE REHABILITATION, GUARDRAIL, GRADING.

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 & STRUCTURE PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

County : Davie

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
ROADWAY ITEMS						
0001	0000100000-N	800	MOBILIZATION	Lump Sum	L.S.	
0002	0022000000-E	225	UNCLASSIFIED EXCAVATION	75,520 CY		
0003	0036000000-E	225	UNDERCUT EXCAVATION	5,000 CY		
0004	0106000000-E	230	BORROW EXCAVATION	17,040 CY		
0005	0156000000-E	250	REMOVAL OF EXISTING ASPHALT PAVEMENT	106,490 SY		
0006	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	20,000 SY		
0007	0255000000-E	SP	GENERIC GRADING ITEM AGGREGATE BASE COURSE FOR BACKFILL	1,500 TON		
0008	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	60 TON		
0009	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	170 SY		
0010	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	362 LF		
0011	1011000000-N	500	FINE GRADING	Lump Sum	L.S.	
0012	1099500000-E	505	SHALLOW UNDERCUT	5,500 CY		
0013	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	11,000 TON		
0014	1110000000-E	510	STABILIZER AGGREGATE	500 TON		
0015	1330000000-E	607	INCIDENTAL MILLING	1,000 SY		
0016	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	103,110 TON		
0017	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	27,320 TON		
0018	1508000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0D	53,170 TON		

County : Davie

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0019	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	13,130 TON		
0020	1524200000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5D	51,080 TON		
0021	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	9,020 TON		
0022	1577000000-E	620	POLYMER MODIFIED ASPHALT BIN- DER FOR PLANT MIX	2,915 TON		
0023	1840000000-E	665	MILLED RUMBLE STRIPS (ASPHALT CONCRETE)	134,000 LF		
0024	1891000000-E	SP	GENERIC PAVING ITEM 8" CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR	3,050 SY		
0025	1891500000-N	SP	GENERIC PAVING ITEM 10" CONCRETE SLEEPER SLAB	Lump Sum	L.S.	
0026	2099000000-E	816	SHOULDER DRAIN	34,200 LF		
0027	2110000000-E	816	4" SHOULDER DRAIN PIPE	34,200 LF		
0028	2121000000-E	816	4" OUTLET PIPE FOR SHOULDER DRAINS	2,800 LF		
0029	2132000000-N	816	CONCRETE PAD FOR SHOULDER DRAIN PIPE OUTLET	90 EA		
0030	2190000000-N	828	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	4 EA		
0031	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	4 EA		
0032	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	0.9 LF		
0033	2365000000-N	840	FRAME WITH TWO GRATES, STD 840.22	4 EA		
0034	2815000000-N	858	ADJUSTMENT OF DROP INLETS	3 EA		
0035	3030000000-E	862	STEEL BM GUARDRAIL	18,912.5 LF		

County : Davie

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0036	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	20 EA		
0037	3210000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE CAT-1	23 EA		
0038	3270000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE 350	24 EA		
0039	3285000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE M-350	8 EA		
0040	3319000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE B-83	16 EA		
0041	3347000000-E	864	REMOVE & RESET EXISTING GUIDE- RAIL	1,000 LF		
0042	3360000000-E	863	REMOVE EXISTING GUARDRAIL	20,551 LF		
0043	3365000000-E	863	REMOVE EXISTING GUIDERAIL	3,000 LF		
0044	3389200000-E	865	CABLE GUIDERAIL	3,000 LF		
0045	3389500000-N	865	ADDITIONAL GUIDERAIL POSTS	10 EA		
0046	3389600000-N	865	CABLE GUIDERAIL ANCHOR UNITS	12 EA		
0047	3595000000-E	869	RELAPPING GUARDRAIL	1,000 LF		
0048	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	300 SY		
0049	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	1,677 SF		
0050	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	712 SF		
0051	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	100 SF		
0052	4415000000-N	1115	FLASHING ARROW BOARD	4 EA		
0053	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	10 EA		
0054	4430000000-N	1130	DRUMS	264 EA		

County : Davie

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0055	4435000000-N	1135	CONES	50 EA		
0056	4445000000-E	1145	BARRICADES (TYPE III)	72 LF		
0057	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	2 EA		
0058	4470000000-N	1160	RESET TEMPORARY CRASH CUSHION	29 EA		
0059	4480000000-N	1165	TMA	4 EA		
0060	4485000000-E	1170	PORTABLE CONCRETE BARRIER	15,100 LF		
0061	4500000000-E	1170	RESET PORTABLE CONCRETE BARRIER	79,600 LF		
0062	4510000000-N	SP	LAW ENFORCEMENT	352 HR		
0063	4516000000-N	1180	SKINNY DRUM	200 EA		
0064	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	1,653 EA		
0065	4775000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (6") (IV)	13,620 LF		
0066	4815000000-E	1205	PAINT PAVEMENT MARKING LINES (6")	608,107 LF		
0067	4825000000-E	1205	PAINT PAVEMENT MARKING LINES (12")	13,330 LF		
0068	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	30 EA		
0069	4847100000-E	1205	POLYUREA PAVEMENT MARKING LINES (6", *****) (HIGHLY REFLECTIVE ELEMENTS)	175,000 LF		
0070	4847120000-E	1205	POLYUREA PAVEMENT MARKING LINES (12", *****) (HIGHLY REFLECTIVE ELEMENTS)	4,000 LF		
0071	4855000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (6")	183,719 LF		

County : Davie

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0072	4865000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (12")	3,520	LF	
0073	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	9	EA	
0074	4905000000-N	1253	SNOWPLOWABLE PAVEMENT MARKERS	900	EA	
0075	6000000000-E	1605	TEMPORARY SILT FENCE	13,420	LF	
0076	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	100	TON	
0077	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	1,350	TON	
0078	6012000000-E	1610	SEDIMENT CONTROL STONE	675	TON	
0079	6015000000-E	1615	TEMPORARY MULCHING	65.5	ACR	
0080	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	3,100	LB	
0081	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	15.5	TON	
0082	6024000000-E	1622	TEMPORARY SLOPE DRAINS	775	LF	
0083	6029000000-E	SP	SAFETY FENCE	200	LF	
0084	6030000000-E	1630	SILT EXCAVATION	1,530	CY	
0085	6036000000-E	1631	MATTING FOR EROSION CONTROL	70,000	SY	
0086	6037000000-E	SP	COIR FIBER MAT	100	SY	
0087	6071012000-E	SP	COIR FIBER WATTLE	3,450	LF	
0088	6071030000-E	1640	COIR FIBER BAFFLE	425	LF	
0089	6084000000-E	1660	SEEDING & MULCHING	45	ACR	
0090	6087000000-E	1660	MOWING	42	ACR	

County : Davie

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0091	6090000000-E	1661	SEED FOR REPAIR SEEDING	1,000 LB		
0092	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	2 TON		
0093	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	1,125 LB		
0094	6108000000-E	1665	FERTILIZER TOPDRESSING	33.75 TON		
0095	6114500000-N	1667	SPECIALIZED HAND MOWING	85 MHR		
0096	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	100 EA		
0097	6132000000-N	SP	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE	6 EA		
0120	0163000000-E	250	REMOVAL OF EXISTING CONCRETE PAVEMENT	8,000 SY		
STRUCTURE ITEMS						
0098	8161000000-E	420	GROOVING BRIDGE FLOORS	25,786 SF		
0099	8296000000-N	442	POLLUTION CONTROL	Lump Sum	L.S.	
0100	8559000000-E	SP	CLASS II, SURFACE PREPARATION	12 SY		
0101	8566000000-E	SP	CLASS III, SURFACE PREPARATION	12 SY		
0102	8664000000-E	SP	SHOTCRETE REPAIRS	84 CF		
0103	8678000000-E	SP	EPOXY RESIN INJECTION	115 LF		
0104	8685000000-E	SP	EPOXY MORTAR REPAIRS	6 SF		
0105	8692000000-N	SP	FOAM JOINT SEALS	Lump Sum	L.S.	
0106	8860000000-N	SP	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #61	Lump Sum	L.S.	

County : Davie

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0107	8860000000-N	SP	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #62	Lump Sum	L.S.	
0108	8860000000-N	SP	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #74	Lump Sum	L.S.	
0109	8860000000-N	SP	GENERIC STRUCTURE ITEM PAINTING CONTAINMENT FOR BRIDGE #75	Lump Sum	L.S.	
0110	8860000000-N	SP	GENERIC STRUCTURE ITEM VOLUMERIC MIXER	Lump Sum	L.S.	
0111	8881000000-E	SP	GENERIC STRUCTURE ITEM LATEX MODIFIED CONCRETE OVERLAY-VES	138 CY		
0112	8882000000-E	SP	GENERIC STRUCTURE ITEM CONCRETE FOR DECK REPAIR	4 CF		
0113	8882000000-E	SP	GENERIC STRUCTURE ITEM ELASTOMERIC CONCRETE	82 CF		
0114	8892000000-E	SP	GENERIC STRUCTURE ITEM BRIDGE JOINT DEMOLITION	326 SF		
0115	8892000000-E	SP	GENERIC STRUCTURE ITEM EPOXY COATING	1,276 SF		
0116	8893000000-E	SP	GENERIC STRUCTURE ITEM HYDRO-DEMOLITION OF BRIDGE DECK	3,108 SY		
0117	8893000000-E	SP	GENERIC STRUCTURE ITEM PLACING & FINISHING OF LATEX MODIFIED CONCRETE OVERLAY-VES	3,108 SY		
0118	8893000000-E	SP	GENERIC STRUCTURE ITEM SCARIFYING BRIDGE DECK	3,108 SY		
0119	8897000000-N	SP	GENERIC STRUCTURE ITEM CLEANING AND PAINTING EXISTING BEARING PLATES WITH HRCSA	144 EA		

SUMMARY OF CONTINUOUSLY REINFORCED CONCRETE PAVEMENT REPAIR

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

GUARDRAIL SUMMARY

IN SQUARE YARDS (SY)

LOCATION	MILEPOST	MILEPOST	LANE (L/RT)	YD'	NO. # OF PUNCHOUT	TOTAL REPAIRS AND REMOVAL (SY)
EBL	169.14	170.00	LT	10.67	0	0
			RT	10.67	34	362.67
EBL	170.00	171.00	LT	10.67	3	32
			RT	10.67	17	181.33
EBL	171.00	172.00	LT	10.67	4	42.67
			RT	10.67	22	234.67
EBL	172.00	173.00	LT	10.67	0	0
			RT	10.67	24	256
EBL	173.00	174.00	LT	10.67	4	42.67
			RT	10.67	21	224
EBL	174.00	175.00	LT	10.67	0	0
			RT	10.67	12	128
CRC REPAIR AREAS FOR PAVEMENT TRANSITIONS						60
TOTAL:					280	3046.66
SAY:					290	3050

*L/RT LANE LOCATION IS RELATIVE TO DIRECTION OF TRAVEL.

SURVEY LINE	REG. STATION	END STATION	LOCATION	LENGTH		ANCHORS					REMOVE EXISTING GUARDRAIL	REMARKS
				STRAIGHT	SHOP CURVED	TYPE 350	CAT-1	B-83	M-350			
L1	897+24	900+68	RT.	344		1	1				344	REMOVE & REPLACE AT EXISTING LOCATION
L1	898+90	902+05	LT.	315		1	1				315	REMOVE & REPLACE AT EXISTING LOCATION
L1/L2	920+13 (L1)	20+04 (L2)	RT.	2268		1	1				2268	REMOVE & REPLACE AT EXISTING LOCATION
L2	10+21	16+47	LT.	626		1	1				626	REMOVE & REPLACE AT EXISTING LOCATION
L2	21+49	26+55	LT.	506		1	1				506	REMOVE & REPLACE AT EXISTING LOCATION
L2	45+08	53+38	RT.	830		1	1				830	REMOVE & REPLACE AT EXISTING LOCATION
L2	47+49	62+90	LT.	1541		1	1				1305	REMOVE & REPLACE AT EXISTING LOCATION
L2	70+28	73+09	RT.	281		1	1				281	REMOVE & REPLACE AT EXISTING LOCATION
L2	71+68	74+78	LT.	310		1	1				310	REMOVE & REPLACE AT EXISTING LOCATION
L2	78+97	86+77	LT.	780		1	1				780	REMOVE & REPLACE AT EXISTING LOCATION
L2	90+73	102+80	LT.	1207		1	1				1207	REMOVE & REPLACE AT EXISTING LOCATION
L2	91+30	99+52	RT.	822		1	1				822	REMOVE & REPLACE AT EXISTING LOCATION
L2	112+96	125+45	RT.	1249		1	1				1249	REMOVE & REPLACE AT EXISTING LOCATION
L2	119+45	127+70	LT.	825		1	1				825	REMOVE & REPLACE AT EXISTING LOCATION
L2	133+82	138+60	LT.	478		1	1				478	REMOVE & REPLACE AT EXISTING LOCATION
L2	140+34	149+98	RT.	964		1	1				964	REMOVE & REPLACE AT EXISTING LOCATION
L2	144+44	151+44	LT.	700		1	1				700	REMOVE & REPLACE AT EXISTING LOCATION
L2	157+69	163+50	RT.	581		1		1			581	REMOVE & REPLACE AT EXISTING LOCATION
L2	161+37.50	163+50	MED RT.	212.5				1	1		166	REMOVE & REPLACE AT EXISTING LOCATION
L2	165+30	166+55	MED RT.	125				1	1		125	REMOVE & REPLACE AT EXISTING LOCATION
L2	165+30	173+00	RT.	770				1			770	REMOVE & REPLACE /TIE INTO EXISTING
L2	159+94	163+46	LT.	352			1	1			352	REMOVE & REPLACE AT EXISTING LOCATION
L2	162+43	163+46	MED LT.	103				1	1		103	REMOVE & REPLACE AT EXISTING LOCATION
L2	165+26	167+38.50	MED LT.	212.5				1	1	1	178	REMOVE & REPLACE AT EXISTING LOCATION
L2	165+26	175+05	LT.	979		1		1			979	REMOVE & REPLACE AT EXISTING LOCATION
L2	186+83	189+27	RT.	244		1	1				244	REMOVE & REPLACE AT EXISTING LOCATION
L2	188+28	191+23	LT.	295		1	1				295	REMOVE & REPLACE AT EXISTING LOCATION
L2	219+78	223+83	RT.	405		1		1			405	REMOVE & REPLACE AT EXISTING LOCATION
L2	225+00	228+43	RT.	343			1	1			343	REMOVE & REPLACE AT EXISTING LOCATION
L2	221+56.5	223+69	MED RT.	212.5				1	1		178	REMOVE & REPLACE AT EXISTING LOCATION
L2	224+89	225+94	MED RT.	105				1	1		105	REMOVE & REPLACE AT EXISTING LOCATION
L2	220+18	223+48	LT.	330			1	1			330	REMOVE & REPLACE AT EXISTING LOCATION
L2	224+66	231+52	LT.	686		1		1			686	REMOVE & REPLACE AT EXISTING LOCATION
L2	222+54	223+57	MED LT.	103				1	1		103	REMOVE & REPLACE AT EXISTING LOCATION
L2	224+77	226+89.50	MED LT.	212.5				1	1		167	REMOVE & REPLACE AT EXISTING LOCATION
L2	240+94	247+25	RT.	631		1	1				631	REMOVE & REPLACE AT EXISTING LOCATION
SUBTOTAL				20,948		24	23	16	8		20,551	
ANCHOR DEDUCTIONS				GRAU-350 (24 x 50.0')	-1200.0							
				CAT-1 (23 x 6.25')	-143.75							
				B-83 (16 x 25.0')	-400.0							
				M-350 (8 x 37.5')	-300.0							
TOTAL				18,904.25		24	23	16	8		20,551	
SAY				18,912.5		24	23	16	8		20,551	

CONTINGENCY ITEM - REMOVE & RESET EXIST. CABLE GUIDERAIL = 1000 LF
ADDITIONAL GUARDRAIL POSTS = 20 EA.
ADDITIONAL GUIDE-RAIL POSTS = 10 EA.

CROSSOVERS GUIDE-RAIL
REMOVE EXISTING GUIDE-RAIL = 3000 LF
CABLE GUIDE-RAIL = 3000 LF
CABLE GUIDE-RAIL ANCHOR UNITS = 12 EA

SUMMARY OF EARTHWORK

IN CUBIC YARDS

LOCATION	UNCLASSIFIED EXCAVATION	UNDERCUT	EMBT +%	BORROW	WASTE
RIGHT					
L1- 865+00 - L2- 251+40	17977				17977
MEDIAN					
L1- 865+00 - L2- 251+40	32061				32016
LEFT					
L1- 865+00 - L2- 251+40	17977				17977
CROSSOVERS*	7500		7500	8625	7500
SHOULDER MATERIAL					
L1- 865+00 - L2- 251+40			36182	41609	
SUBTOTAL	75515		43682	50234	75515
AS PER DIVISION: ESTIMATED 50% OF UNCL. EXC. SUITABLE FOR SHOULDER CONST. TO BE USED IN LIEU OF SHOULDER MATERIAL					
				-34008	-34008
SUBTOTAL	75515			16226	41507
+5% TO REPLACE TOPSOIL AT BORROW PIT				921	
GRAND TOTAL	75515			17037	41507
SAY	75520			17040	
ESTIMATED SHALLOW UNDERCUT = 5500 CY (SEE SHEET 3G-1)					

*NOTE: QUANTITIES FOR EXCAVATION AND WASTE COVER THE REMOVAL OF THE CROSSOVERS ONCE CONSTRUCTION IS COMPLETE.

SUMMARY OF ASPHALT PAVEMENT REMOVAL

IN SQUARE YARDS

LINE	STA TO STA	LOCATION	SQ. YDS.
L1	865+00 TO 922+76	OUTSIDE	12835.56
L1	865+00 TO 922+76	MEDIAN	5134.22
L2	0+00 TO 251+40	OUTSIDE	55866.67
L2	0+00 TO 251+40	MEDIAN	22346.67
XOVER AB		MEDIAN	3077.78
XOVER CD		MEDIAN	3888.89
XOVER EF		MEDIAN	3333.33
TOTAL			106483.11
SAY			106490

SUMMARY OF CONCRETE PAVEMENT REMOVAL

IN SQUARE YARDS

LINE	STA TO STA	LOCATION	SQ. YDS.
L1	865+00 TO 868+00	EB & WB	1600
L2	160+47 TO 163+47	EB & WB	1600
L2	165+28 TO 168+28	EB & WB	1600
L2	220+65 TO 223+65	EB & WB	1600
L2	224+85 TO 227+85	EB & WB	1600
TOTAL			8000
SAY			8000

REVISION: FEBRUARY 9, 2017 - ADDED SUMMARY OF CONCRETE PAVEMENT REMOVAL

5/28/99 09-FEB-2016 16:16:55 5765-140-D:\pave\15765-addc-3B-1sum.dgn