



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

August 2, 2023

Addendum No. 1

RE: Contract # C204856

WBS # 44984.3.1

STATE FUNDED

Transylvania County (R-5799)

INTERSECTIONS OF US-64/US-276 (HENDERSONVILLE HWY), AND
US-64/NC-280 (ASHEVILLE HWY)

August 15, 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 Signals Plans.

Sheet No.	Revision
Sig-11.0, Sig-13.0, Sig-16.0	Plan Sheet Note 4 was revised.

Please void the above listed Sheets in your Plans and staple the revised Sheets thereto.

The following revisions have been made to the proposal.

Page No.	Revision
Proposal Cover	Note added that reads "Includes Addendum No. 1 Dated 08-02-2023".

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

On the item sheets the following pay item revisions have been made:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0297-7642200000-N 1743	TYPE II PEDESTAL WITH FOUNDATION	10 EA	36 EA
0308-7980000000-N SP	RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	26 EA	28 EA

The Contractor's bid must include these pay item revisions.

The electronic bidding file has been updated to reflect these revisions. 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/jjr
Attachments

cc: Mr. Boyd Tharrington, PE
Ms. Wanda H. Payne, 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 08-02-2023

DATE AND TIME OF BID OPENING: **Aug 15, 2023 AT 02:00 PM**

CONTRACT ID C204856
WBS 44984.3.1

FEDERAL-AID NO. STATE FUNDED
COUNTY TRANSYLVANIA
T.I.P NO. R-5799
MILES 0.461
ROUTE NO. US-64
LOCATION INTERSECTIONS OF US-64 / US-276 (HENDERSONVILLE HWY), AND US-64 / NC-280 (ASHEVILLE HWY).

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNALS, AND CULVERT.

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 & CULVERT PROPOSAL

5% BID BOND OR BID DEPOSIT REQUIRED

County: TRANSYLVANIA

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	0036000000-E	225	UNDERCUT EXCAVATION	1,450 CY		
0004	0050000000-E	226	SUPPLEMENTARY CLEARING & GRUBBING	1 ACR		
0005	0063000000-N	SP	GRADING	Lump Sum	L.S.	
0006	0106000000-E	230	BORROW EXCAVATION	23,750 CY		
0007	0127000000-N	235	EMBANKMENT SETTLEMENT GAUGES	3 EA		
0008	0195000000-E	265	SELECT GRANULAR MATERIAL	1,000 CY		
0009	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZATION	2,000 SY		
0010	0199000000-E	SP	TEMPORARY SHORING	2,300 SF		
0011	0223000000-E	275	ROCK PLATING	30 SY		
0012	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	930 TON		
0013	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	2,910 SY		
0014	0342000000-E	310	*** SIDE DRAIN PIPE (12")	50 LF		
0015	0343000000-E	310	15" SIDE DRAIN PIPE	80 LF		
0016	0345000000-E	310	24" SIDE DRAIN PIPE	44 LF		
0017	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (15", V)	1,124 LF		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0018	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (18", V)	360 LF		
0019	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (24", V)	124 LF		
0020	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (30", V)	44 LF		
0021	0366000000-E	310	15" RC PIPE CULVERTS, CLASS III	552 LF		
0022	0372000000-E	310	18" RC PIPE CULVERTS, CLASS III	516 LF		
0023	0378000000-E	310	24" RC PIPE CULVERTS, CLASS III	368 LF		
0024	0390000000-E	310	36" RC PIPE CULVERTS, CLASS III	144 LF		
0025	0408000000-E	310	54" RC PIPE CULVERTS, CLASS III	128 LF		
0026	0426000000-E	310	72" RC PIPE CULVERTS, CLASS III	77 LF		
0027	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	2,904 LF		
0028	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	116 LF		
0029	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	436 LF		
0030	0448500000-E	310	30" RC PIPE CULVERTS, CLASS IV	664 LF		
0031	0588000000-E	310	18" CS PIPE CULVERTS, 0.064" THICK	140 LF		
0032	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	4 EA		
0033	0995000000-E	340	PIPE REMOVAL	3,106 LF		
0034	1099500000-E	505	SHALLOW UNDERCUT	500 CY		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0035	1099700000-E	505	CLASS IV SUBGRADE STABILIZATION	1,000 TON		
0036	1220000000-E	545	INCIDENTAL STONE BASE	250 TON		
0037	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	662 SY		
0038	1308000000-E	607	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")	1,690 SY		
0039	1308000000-E	607	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/4")	200 SY		
0040	1330000000-E	607	INCIDENTAL MILLING	1,500 SY		
0041	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	10,450 TON		
0042	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	8,680 TON		
0043	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	2,510 TON		
0044	2044000000-E	815	6" PERFORATED SUBDRAIN PIPE	1,000 LF		
0045	2209000000-E	838	ENDWALLS	2 CY		
0046	2220000000-E	838	REINFORCED ENDWALLS	8 CY		
0047	2253000000-E	840	PIPE COLLARS	2.98 CY		
0048	2264000000-E	840	PIPE PLUGS	0.3 CY		
0049	2275000000-E	SP	FLOWABLE FILL	10 CY		
0050	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	101 EA		
0051	2297000000-E	840	MASONRY DRAINAGE STRUCTURES	59 CY		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	23 LF		
0053	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	23 EA		
0054	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	1 EA		
0055	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	1 EA		
0056	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	21 EA		
0057	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	27 EA		
0058	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	27 EA		
0059	2396000000-N	840	FRAME WITH COVER, STD 840.54	7 EA		
0060	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	8 EA		
0061	2535000000-E	846	*** X *** CONCRETE CURB (8" X 18")	1,130 LF		
0062	2535000000-E	846	*** X *** CONCRETE CURB (9" X 18")	470 LF		
0063	2542000000-E	846	1'-6" CONCRETE CURB & GUTTER	2,890 LF		
0064	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	11,650 LF		
0065	2591000000-E	848	4" CONCRETE SIDEWALK	5,510 SY		
0066	2605000000-N	848	CONCRETE CURB RAMPS	84 EA		
0067	2612000000-E	848	6" CONCRETE DRIVEWAY	320 SY		
0068	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	1,040 SY		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0069	2738000000-E	SP	GENERIC PAVING ITEM 7" JOINTED CONCRETE TRUCK APRON WITH WIRE MESH	1,270 SY		
0070	2815000000-N	858	ADJUSTMENT OF DROP INLETS	1 EA		
0071	2830000000-N	858	ADJUSTMENT OF MANHOLES	4 EA		
0072	2860000000-N	859	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX	2 EA		
0073	2905000000-N	859	CONVERT EXISTING DROP INLET TO JUNCTION BOX	2 EA		
0074	2920000000-N	859	CONVERT EXISTING DROP INLET TO CATCH BASIN	1 EA		
0075	3030000000-E	862	STEEL BEAM GUARDRAIL	2,250 LF		
0076	3045000000-E	862	STEEL BEAM GUARDRAIL, SHOP CURVED	25 LF		
0077	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	10 EA		
0078	3180000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE ***** (III, SHOP CURVED)	1 EA		
0079	3210000000-N	862	GUARDRAIL END UNITS, TYPE CAT-1	8 EA		
0080	3215000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE III	8 EA		
0081	3287000000-N	SP	GUARDRAIL END UNITS, TYPE TL-3	2 EA		
0082	3288000000-N	SP	GUARDRAIL END UNITS, TYPE TL-2	17 EA		
0083	3575000000-E	SP	GENERIC FENCING ITEM HANDRAIL	930 LF		
0084	3628000000-E	876	RIP RAP, CLASS I	189 TON		
0085	3649000000-E	876	RIP RAP, CLASS B	112 TON		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0086	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	1,254 SY		
0087	4054000000-E	902	PLAIN CONCRETE SIGN FOUNDATIONS	1 CY		
0088	4060000000-E	903	SUPPORTS, BREAKAWAY STEEL BEAM	204 LB		
0089	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	1,410 LF		
0090	4096000000-N	904	SIGN ERECTION, TYPE D	11 EA		
0091	4102000000-N	904	SIGN ERECTION, TYPE E	109 EA		
0092	4108000000-N	904	SIGN ERECTION, TYPE F	13 EA		
0093	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	1 EA		
0094	4116100000-N	904	SIGN ERECTION, RELOCATE TYPE **** (GROUND MOUNTED) (D)	27 EA		
0095	4138000000-N	907	DISPOSAL OF SUPPORT, STEEL BEAM	2 EA		
0096	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	46 EA		
0097	4192000000-N	907	DISPOSAL OF SUPPORT, U-CHANNEL	20 EA		
0098	4236000000-N	907	DISPOSAL OF SIGN, A & B (GROUND MOUNTED)	1 EA		
0099	4238000000-N	907	DISPOSAL OF SIGN, D, E OR F	17 EA		
0100	4360000000-N	SP	GENERIC SIGNING ITEM END OF MEDIAN MARKER	2 EA		
0101	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	348 SF		
0102	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	336 SF		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0103	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	234 SF		
0104	4415000000-N	1115	FLASHING ARROW BOARD	2 EA		
0105	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	4 EA		
0106	4430000000-N	1130	DRUMS	300 EA		
0107	4434000000-N	SP	SEQUENTIAL FLASHING WARNING LIGHTS	50 EA		
0108	4445000000-E	1145	BARRICADES (TYPE III)	80 LF		
0109	4447000000-E	SP	PEDESTRIAN CHANNELIZING DEVICES	180 LF		
0110	4455000000-N	1150	FLAGGER	170 DAY		
0111	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	2 EA		
0112	4480000000-N	1165	TMA	2 EA		
0113	4490000000-E	1170	PORTABLE CONCRETE BARRIER (ANCHORED)	450 LF		
0114	4510000000-N	1190	LAW ENFORCEMENT	320 HR		
0115	4600000000-N	SP	GENERIC TRAFFIC CONTROL ITEM AUDIBLE WARNING DEVICES	8 EA		
0116	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	19,903 LF		
0117	4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	4,854 LF		
0118	4709000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 90 MILS)	2,209 LF		
0119	4720000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (90 MILS)	12 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0120	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	168 EA		
0121	4726110000-E	1205	HEATED-IN-PLACE THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	60 EA		
0122	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	14,360 LF		
0123	4815000000-E	1205	PAINT PAVEMENT MARKING LINES (6")	1,099 LF		
0124	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	2,697 LF		
0125	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	697 LF		
0126	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	4 EA		
0127	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	31 EA		
0128	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	8,244 LF		
0129	4860000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (8")	1,400 LF		
0130	4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (24")	325 LF		
0131	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	26 EA		
0132	4905100000-N	SP	NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKER	626 EA		
0133	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	
0134	5325200000-E	1510	2" WATER LINE	173 LF		
0135	5325600000-E	1510	6" WATER LINE	69 LF		
0136	5325800000-E	1510	8" WATER LINE	359 LF		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0137	5326000000-E	1510	10" WATER LINE	3,665 LF		
0138	5326200000-E	1510	12" WATER LINE	328 LF		
0139	5329000000-E	1510	DUCTILE IRON WATER PIPE FITTINGS	11,040 LB		
0140	5536000000-E	1515	2" VALVE	1 EA		
0141	5538000000-E	1515	4" VALVE	1 EA		
0142	5540000000-E	1515	6" VALVE	6 EA		
0143	5546000000-E	1515	8" VALVE	1 EA		
0144	5552000000-E	1515	10" VALVE	12 EA		
0145	5572000000-E	1515	10" TAPPING SLEEVE & VALVE	3 EA		
0146	5589100000-E	1515	1" AIR RELEASE VALVE	9 EA		
0147	5648000000-N	1515	RELOCATE WATER METER	30 EA		
0148	5649000000-N	1515	RECONNECT WATER METER	7 EA		
0149	5666000000-N	1515	FIRE HYDRANT	2 EA		
0150	5672000000-N	1515	RELOCATE FIRE HYDRANT	3 EA		
0151	5673000000-E	1515	FIRE HYDRANT LEG	52 LF		
0152	5684800000-E	1515	10" LINE STOP WITH BYPASS	1 EA		
0153	5686500000-E	1515	WATER SERVICE LINE	1,502 LF		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0154	5689000000-E	1515	GENERIC UTILITY ITEM 4" CHECK VALVE	1 EA		
0155	5691100000-E	1520	4" SANITARY GRAVITY SEWER	24 LF		
0156	5691300000-E	1520	8" SANITARY GRAVITY SEWER	337 LF		
0157	5709200000-E	1520	4" FORCE MAIN SEWER	34 LF		
0158	5709300000-E	1520	6" FORCE MAIN SEWER	251 LF		
0159	5768000000-N	1520	SANITARY SEWER CLEAN-OUT	1 EA		
0160	5768500000-E	1520	SEWER SERVICE LINE	10 LF		
0161	5769000000-E	1520	DUCTILE IRON SEWER PIPE FITTINGS	1,275 LB		
0162	5775000000-E	1525	4' DIA UTILITY MANHOLE	4 EA		
0163	5781000000-E	1525	UTILITY MANHOLE WALL 4' DIA	9 LF		
0164	5800000000-E	1530	ABANDON 6" UTILITY PIPE	552 LF		
0165	5801000000-E	1530	ABANDON 8" UTILITY PIPE	509 LF		
0166	5802000000-E	1530	ABANDON 10" UTILITY PIPE	3,656 LF		
0167	5815500000-N	1530	REMOVE FIRE HYDRANT	1 EA		
0168	5816000000-N	1530	ABANDON UTILITY MANHOLE	1 EA		
0169	5835000000-E	1540	*** ENCASEMENT PIPE (10")	10 LF		
0170	5835400000-E	1540	6" ENCASEMENT PIPE	10 LF		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0171	5836000000-E	1540	24" ENCASEMENT PIPE	402 LF		
0172	5872600000-E	1550	DIRECTIONAL DRILLING OF *** (12")	328 LF		
0173	5918000000-N	SP	GENERIC UTILITY ITEM UTILITY COORDINATION	6,500 HR		
0174	6000000000-E	1605	TEMPORARY SILT FENCE	11,860 LF		
0175	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	560 TON		
0176	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	515 TON		
0177	6012000000-E	1610	SEDIMENT CONTROL STONE	900 TON		
0178	6015000000-E	1615	TEMPORARY MULCHING	8.5 ACR		
0179	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	500 LB		
0180	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEEDING	2.5 TON		
0181	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0182	6029000000-E	SP	SAFETY FENCE	560 LF		
0183	6030000000-E	1630	SILT EXCAVATION	1,150 CY		
0184	6036000000-E	1631	MATTING FOR EROSION CONTROL	20,000 SY		
0185	6037000000-E	SP	COIR FIBER MAT	100 SY		
0186	6042000000-E	1632	1/4" HARDWARE CLOTH	2,420 LF		
0187	6070000000-N	1639	SPECIAL STILLING BASINS	3 EA		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0188	6071012000-E	SP	COIR FIBER WATTLE	450 LF		
0189	6071020000-E	SP	POLYACRYLAMIDE (PAM)	140 LB		
0190	6071030000-E	1640	COIR FIBER BAFFLE	80 LF		
0191	6084000000-E	1660	SEEDING & MULCHING	5 ACR		
0192	6087000000-E	1660	MOWING	3 ACR		
0193	6090000000-E	1661	SEED FOR REPAIR SEEDING	100 LB		
0194	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.25 TON		
0195	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	200 LB		
0196	6108000000-E	1665	FERTILIZER TOPDRESSING	6 TON		
0197	6111000000-E	SP	IMPERVIOUS DIKE	315 LF		
0198	6114500000-N	1667	SPECIALIZED HAND MOWING	10 MHR		
0199	6114800000-N	SP	MANUAL LITTER REMOVAL	5 MHR		
0200	6114900000-E	SP	LITTER DISPOSAL	1 TON		
0201	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	75 EA		
0202	6117500000-N	SP	CONCRETE WASHOUT STRUCTURE	6 EA		
0203	6123000000-E	1670	REFORESTATION	0.1 ACR		
0204	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE	50 EA		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0205	6132000000-N	SP	GENERIC EROSION CONTROL ITEM FABRIC INSERT INLET PROTECTION DEVICE CLEANOUT	150 EA		
0206	6245000000-N	1670	CERCIS CANADENSIS, REDBUD, (5' MIN.)	3 EA		
0207	6645000000-N	SP	GENERIC PLANTING ITEM ACER RUBRUM "BOWHALL" RED MAPLE (10'-12')	2 EA		
0208	6645000000-N	SP	GENERIC PLANTING ITEM AMELANCHIER CANADENSIS SHADBLOW SERVICEBERRY (6')	4 EA		
0209	6645000000-N	SP	GENERIC PLANTING ITEM ARONIA MELANOCARPA "UCONNAM165" MOUND CHOKEBERRY (2 GAL)	34 EA		
0210	6645000000-N	SP	GENERIC PLANTING ITEM BAPTISIA HYBRID FALSE INDIGO (1 GAL)	21 EA		
0211	6645000000-N	SP	GENERIC PLANTING ITEM CALAMAGROSTIS X ACUTIFLORA "KARL FOERSTER" FOERSTER'S FEATHER REED GRASS (3 GAL)	18 EA		
0212	6645000000-N	SP	GENERIC PLANTING ITEM CAREX AMPHIBOLA CREEK SEDGE (3.25")	66 EA		
0213	6645000000-N	SP	GENERIC PLANTING ITEM CAREX FLACCA "BLUE ZINGER" BLUE ZINGER SEDGE (3.25")	36 EA		
0214	6645000000-N	SP	GENERIC PLANTING ITEM CARPINUS CAROLINIANA "JFS-KW6" NATIVE FLAME AMERICAN HORNBEAM (5' MIN)	4 EA		
0215	6645000000-N	SP	GENERIC PLANTING ITEM CHIONANTHUS VIRGINICUS WHITE FRINGE TREE (5' MIN)	3 EA		
0216	6645000000-N	SP	GENERIC PLANTING ITEM CONCRETE TUBE FOR POST HOLES (8" DIAMETER X 48" DEPTH)	24 EA		
0217	6645000000-N	SP	GENERIC PLANTING ITEM CORNUS KOUSA KOUSA DOGWOOD/JAPANESE DOGWOOD (5' MIN)	6 EA		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0218	6645000000-N	SP	GENERIC PLANTING ITEM CORNUS X "RUTGAN" STELLER PINK ® DOGWOOD (5' MIN)	3 EA		
0219	6645000000-N	SP	GENERIC PLANTING ITEM CRATAEGUS VIRIDIS "WINTER KING" WINTER KING HAWTHORN (2-2.5" CAL)	3 EA		
0220	6645000000-N	SP	GENERIC PLANTING ITEM DESCHAMPSIA CAESPITOSA "GOLDTAU" GOLDEN DEW TUFTED HAIR GRASS (1 GAL)	76 EA		
0221	6645000000-N	SP	GENERIC PLANTING ITEM DEUTZIA GRACILIS "MINCREAM" CREME FRAICHE ® DEUTZIA (3 GAL)	44 EA		
0222	6645000000-N	SP	GENERIC PLANTING ITEM FOTHERGILLA GARDENII "BLUE SHADOW" BLUE SHADOW FOTHERGILLA (3 GAL)	19 EA		
0223	6645000000-N	SP	GENERIC PLANTING ITEM HELIANTHUS ANNUUS "LOW DOWN" SUNFLOWER (1 GAL)	60 EA		
0224	6645000000-N	SP	GENERIC PLANTING ITEM HEMEROCALLIS X "HAPPY RETURNS" HAPPY RETURNS DWARF DAYLILY (1 GAL)	45 EA		
0225	6645000000-N	SP	GENERIC PLANTING ITEM HYDRANGEA ARBORESCENS "NCHA5" INVINCIBELLE WEE WHITE (2 GAL)	71 EA		
0226	6645000000-N	SP	GENERIC PLANTING ITEM HYDRANGEA PANICULATA "LIMELIGHT" LIMELIGHT HARDY HYDRANGEA (5 GAL)	10 EA		
0227	6645000000-N	SP	GENERIC PLANTING ITEM HYDRANGEA SERRATA "MAKD" TINY TUFF STUFF™ MOUNTAIN HYDRANGEA (2 GAL)	100 EA		
0228	6645000000-N	SP	GENERIC PLANTING ITEM ILEX VERTICILLATA "JIM DANDY" JIM DANDY WINTERBERRY (7 GAL)	4 EA		
0229	6645000000-N	SP	GENERIC PLANTING ITEM ILEX VERTICILLATA "RED SPRITE" RED SPRITE WINTERBERRY (3 GAL)	18 EA		
0230	6645000000-N	SP	GENERIC PLANTING ITEM ITEA VIRGINICA "SPRICH" LITTLE HENRY ® SWEETSPIRE (3 GAL)	106 EA		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0231	6645000000-N	SP	GENERIC PLANTING ITEM JUNIPERUS SQUAMATA "BLUE STAR" BLUE STAR JUNIPER (3 GAL)	23 EA		
0232	6645000000-N	SP	GENERIC PLANTING ITEM LANDSCAPE LIGHTS	38 EA		
0233	6645000000-N	SP	GENERIC PLANTING ITEM LOW VOLTAGE TRANSFORMER	2 EA		
0234	6645000000-N	SP	GENERIC PLANTING ITEM MEDIUM BOULDERS	5 EA		
0235	6645000000-N	SP	GENERIC PLANTING ITEM MONARDA DIDYMA "PARDON MY PURPLE" PARDON MY PURPLE BEE BALM (1 GAL)	29 EA		
0236	6645000000-N	SP	GENERIC PLANTING ITEM NEPETA X FAASSENII "WALKER'S LOW" WALKER'S LOW CATMINT (1 GAL)	74 EA		
0237	6645000000-N	SP	GENERIC PLANTING ITEM NYSSA SYLVATICA TUPELO, BLACK GUM (2.5-3" CAL)	3 EA		
0238	6645000000-N	SP	GENERIC PLANTING ITEM PHLOX HYBRIDA "PHL091601" PAPARAZZI LEVINE CREEPING PHLOX (1 GAL)	18 EA		
0239	6645000000-N	SP	GENERIC PLANTING ITEM PHLOX HYBRIDA "PPPHL07301" PAPARAZZI ANGELINA CREEPING PHLOX (1 GAL)	24 EA		
0240	6645000000-N	SP	GENERIC PLANTING ITEM PHOTOCELL	2 EA		
0241	6645000000-N	SP	GENERIC PLANTING ITEM PICEA ABIES "CUPRESSINA" COLUMNAR NORWAY SPRUCE (10'- 12')	6 EA		
0242	6645000000-N	SP	GENERIC PLANTING ITEM PICEA GLAUCA "PENDULA" WEEPING WHITE SPRUCE (8' MIN)	3 EA		
0243	6645000000-N	SP	GENERIC PLANTING ITEM PINUS MUGO "SLOWMOUND" SLOWMOUND MUGO PINE (3 GAL)	37 EA		
0244	6645000000-N	SP	GENERIC PLANTING ITEM PRUNUS LAUROCERASUS "MOUNT VERNON" MOUNT VERNON ENGLISH LAUREL (3 GAL)	27 EA		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0245	6645000000-N	SP	GENERIC PLANTING ITEM QUERCUS X WAREI "NADLER" KINDRED SPIRIT OAK (10-12")	9 EA		
0246	6645000000-N	SP	GENERIC PLANTING ITEM RHODODENDRON "CHIONOIDES" CHIONOIDES RHODODENDRON (3 GAL)	13 EA		
0247	6645000000-N	SP	GENERIC PLANTING ITEM RHODODENDRON "ROBLES" PP22762 AUTUMN LILAC ENCORE AZALEA (3 GAL)	14 EA		
0248	6645000000-N	SP	GENERIC PLANTING ITEM RHODODENDRON "ROSEUM ELEGANS" ROSEUM ELEGANS RHODODENDRON (5-7 GAL)	5 EA		
0249	6645000000-N	SP	GENERIC PLANTING ITEM ROSA X "NOATRAUM" FLOWER CARPET @ PINK GROUND COVER ROSE (3 GAL)	97 EA		
0250	6645000000-N	SP	GENERIC PLANTING ITEM SALVIA NEMOROSA "CARADONNA" CARADONNA MEADOW SAGE (1 GAL)	20 EA		
0251	6645000000-N	SP	GENERIC PLANTING ITEM SMALL BOULDERS	6 EA		
0252	6645000000-N	SP	GENERIC PLANTING ITEM SPIRAEA JAPONICA "YAN" USPP 21615 DOUBLE PLAY @ GOLD SPIREA (3 GAL)	85 EA		
0253	6645000000-N	SP	GENERIC PLANTING ITEM SPOROBOLUS HETEROLEPIS "TARA" PRAIRIE DROPSEED (1 GAL)	242 EA		
0254	6645000000-N	SP	GENERIC PLANTING ITEM SPOROBOLUS HETEROLEPIS PRAIRIE DROPSEED (1 GAL)	85 EA		
0255	6645000000-N	SP	GENERIC PLANTING ITEM TAXUS X MEDIA "EVERLOW" EVERLOW SPREADING YEW (3 GAL)	16 EA		
0256	6645000000-N	SP	GENERIC PLANTING ITEM THUJA OCCIDENTALIS "TECHNY" TECHNY ARBORVITAE (6' MIN)	7 EA		
0257	6645000000-N	SP	GENERIC PLANTING ITEM TIMBER FENCE SECTION INCLUDING FASTENERS AND STAIN	12 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0258	6645000000-N	SP	GENERIC PLANTING ITEM VIBURNUM X PRAGENSE PRAGUE VIBURNUM (3'X3' MIN)	6 EA		
0259	6676000000-E	SP	GENERIC PLANTING ITEM SODDING	38,352 SF		
0260	6677000000-E	SP	GENERIC PLANTING ITEM FLAGSTONE	4.5 TON		
0261	6680000000-E	SP	GENERIC PLANTING ITEM MULCH	140 CY		
0262	6680000000-E	SP	GENERIC PLANTING ITEM RIVER ROCK	14 CY		
0263	6680000000-E	SP	GENERIC PLANTING ITEM SAND FOR SETTING BED	2.8 CY		
0264	6680000000-E	SP	GENERIC PLANTING ITEM SOIL AMENDMENT	95 CY		
0265	6690000000-E	SP	GENERIC PLANTING ITEM CONDUIT 1-1/2" PVC	690 LF		
0266	6690000000-E	SP	GENERIC PLANTING ITEM CONDUIT 1" PVC	200 LF		
0267	6690000000-E	SP	GENERIC PLANTING ITEM LANDSCAPE EDGING	950 LF		
0268	7048500000-E	1705	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	10 EA		
0269	7060000000-E	1705	SIGNAL CABLE	15,910 LF		
0270	7120000000-E	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	42 EA		
0271	7132000000-E	1705	VEHICLE SIGNAL HEAD (12", 4 SECTION)	11 EA		
0272	7144000000-E	1705	VEHICLE SIGNAL HEAD (12", 5 SECTION)	2 EA		
0273	7229000000-N	SP	APS DETECTOR STATION	12 EA		
0274	7230000000-N	SP	CENTRAL CONTROL UNIT APS DETECTOR STATION	2 EA		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0275	7264000000-E	1710	MESSENGER CABLE (3/8")	3,128 LF		
0276	7288000000-E	1715	PAVED TRENCHING (*****) (1, 2")	1,061 LF		
0277	7288000000-E	1715	PAVED TRENCHING (*****) (2, 2")	238 LF		
0278	7288000000-E	1715	PAVED TRENCHING (*****) (3, 2")	2 LF		
0279	7288000000-E	1715	PAVED TRENCHING (*****) (6, 2")	11 LF		
0280	7300000000-E	1715	UNPAVED TRENCHING (*****) (1, 2")	148 LF		
0281	7300000000-E	1715	UNPAVED TRENCHING (*****) (2, 2")	13 LF		
0282	7301000000-E	1715	DIRECTIONAL DRILL (*****) (2, 2")	230 LF		
0283	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	18 EA		
0284	7348000000-N	1716	JUNCTION BOX (OVER-SIZED, HEAVY DUTY)	3 EA		
0285	7360000000-N	1720	WOOD POLE	14 EA		
0286	7372000000-N	1721	GUY ASSEMBLY	28 EA		
0287	7408000000-E	1722	1" RISER WITH WEATHERHEAD	3 EA		
0288	7420000000-E	1722	2" RISER WITH WEATHERHEAD	10 EA		
0289	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	1,226 LF		
0290	7456000000-E	1726	LEAD-IN CABLE (*****) (14-2)	10,720 LF		
0291	7575200000-N	SP	GPS UNIT	3 EA		

County: TRANSYLVANIA

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0292	7576000000-N	SP	METAL STRAIN SIGNAL POLE	4 EA		
0293	7613000000-N	SP	SOIL TEST	4 EA		
0294	7614100000-E	SP	DRILLED PIER FOUNDATION	40 CY		
0295	7636000000-N	1745	SIGN FOR SIGNALS	23 EA		
0296	7642100000-N	1743	TYPE I POST WITH FOUNDATION	2 EA		
0297	7642200000-N	1743	TYPE II PEDESTAL WITH FOUNDATION	36 EA		
0298	7684000000-N	1750	SIGNAL CABINET FOUNDATION	1 EA		
0299	7696000000-N	1751	CONTROLLERS WITH CABINET (*****) (TYPE 2070LX W/ QFREE MAXTIME, BASE MOUNTED)	1 EA		
0300	7696000000-N	1751	CONTROLLERS WITH CABINET (*****) (TYPE 2070LX W/ QFREE MAXTIME, POLE MOUNTED)	3 EA		
0301	7744000000-N	1751	DETECTOR CARD (TYPE 170)	10 EA		
0302	7901000000-N	1753	CABINET BASE EXTENDER	1 EA		
0303	7972000000-N	SP	METAL POLE REMOVAL	8 EA		
0304	7980000000-N	SP	GENERIC SIGNAL ITEM MICROWAVE VEHICLE DETECTION SYSTEM (MULTIPLE ZONES)	14 EA		
0305	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR PUSHBUTTON POST (BLACK)	2 EA		
0306	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR SIGNAL PEDESTAL (BLACK)	36 EA		

County: TRANSYLVANIA

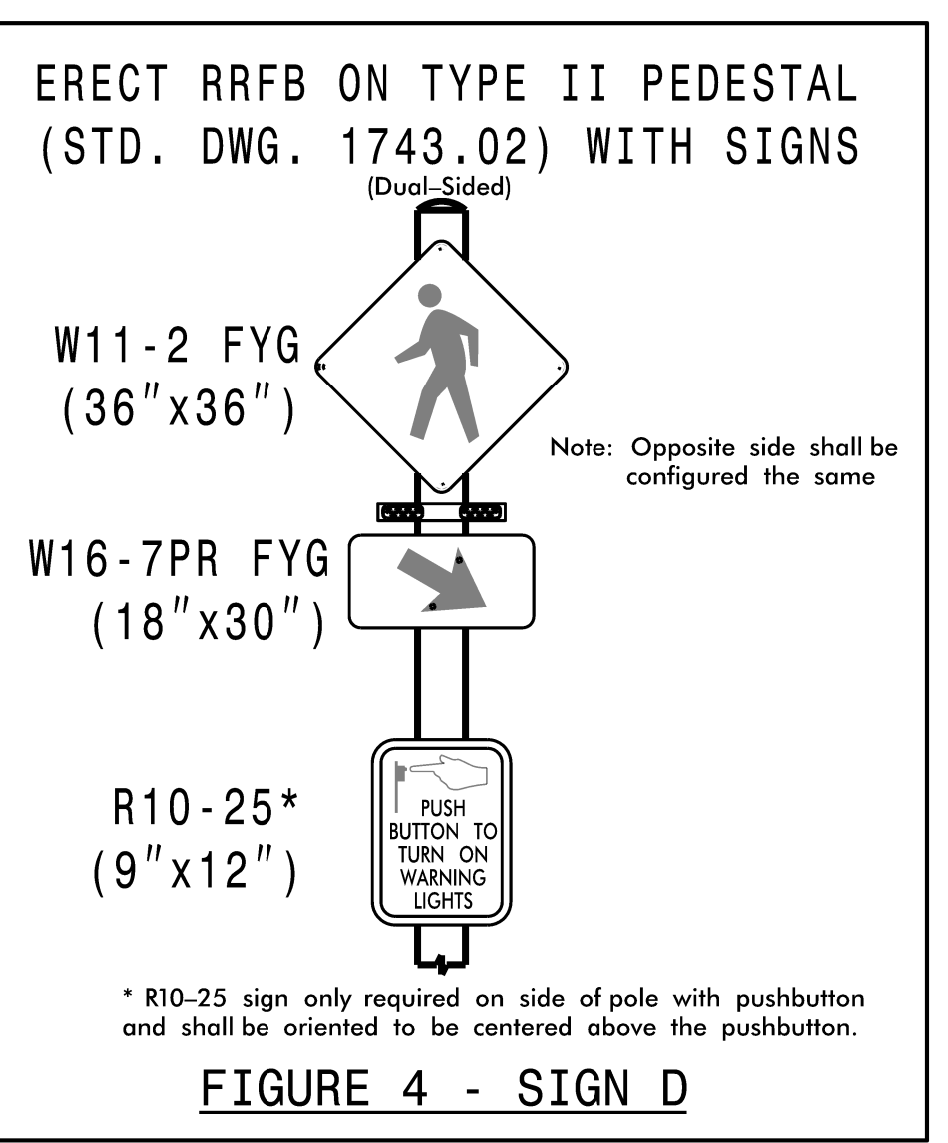
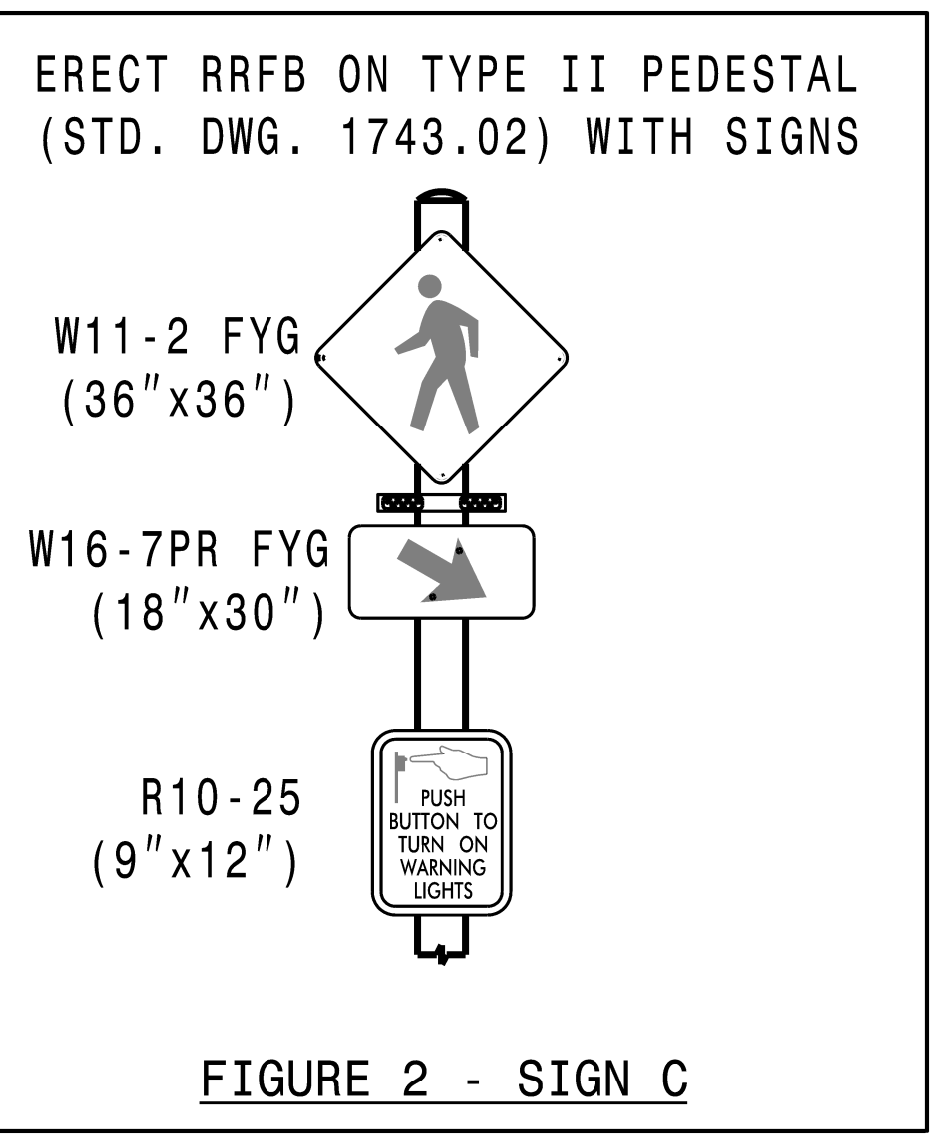
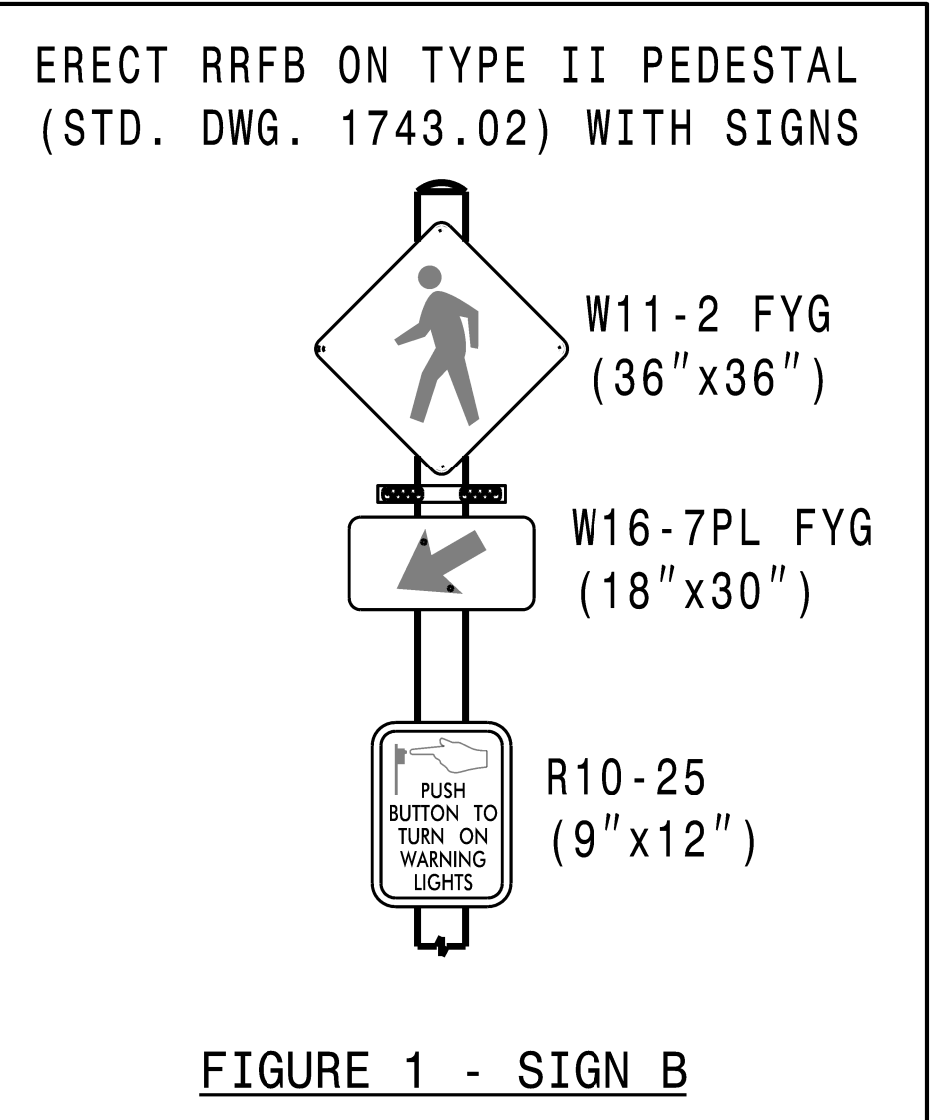
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0307	7980000000-N	SP	GENERIC SIGNAL ITEM PROTECTIVE COATING FOR STRAIN POLE (BLACK)	4 EA		
0308	7980000000-N	SP	GENERIC SIGNAL ITEM RECTANGULAR RAPID FLASHING BEACON ASSEMBLY	28 EA		
0309	7980000000-N	SP	GENERIC SIGNAL ITEM TYPE 2070LX CONTROLLER	1 EA		
***** BEGIN SCHEDULE AA ***** ***** (2 ALTERNATES) *****						
0310 AA1	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	3,810 TON		
0311 AA1	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	1,240 TON		
*** OR ***						
0312 AA2	1121000000-E	520	AGGREGATE BASE COURSE	1,087 TON		
0313 AA2	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	2,850 TON		
0314 AA2	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	1,195 TON		
***** END SCHEDULE AA *****						
CULVERT ITEMS						
0315	8126000000-N	414	CULVERT EXCAVATION, STA ***** (17+47.31 -Y2-)	Lump Sum	L.S.	
0316	8133000000-E	414	FOUNDATION CONDITIONING MATERIAL, BOX CULVERT	67 TON		
0317	8196000000-E	420	CLASS A CONCRETE (CULVERT)	115.2 CY		
0318	8245000000-E	425	REINFORCING STEEL (CULVERT)	14,161 LB		
WALL ITEMS						
0319	8801000000-E	SP	MSE RETAINING WALL NO **** (1)	310 SF		
0320	8801000000-E	SP	MSE RETAINING WALL NO **** (2)	1,300 SF		

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Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0321	8801000000-E	SP	MSE RETAINING WALL NO **** (3)	430	SF	
0322	8802014000-E	SP	SOLDIER PILE RETAINING WALLS	870	SF	
0323	8847000000-E	SP	GENERIC RETAINING WALL ITEM NATURAL STONE VENEER	870	SF	

1116/Aug01/Q339427.13/D1584126386000/E323

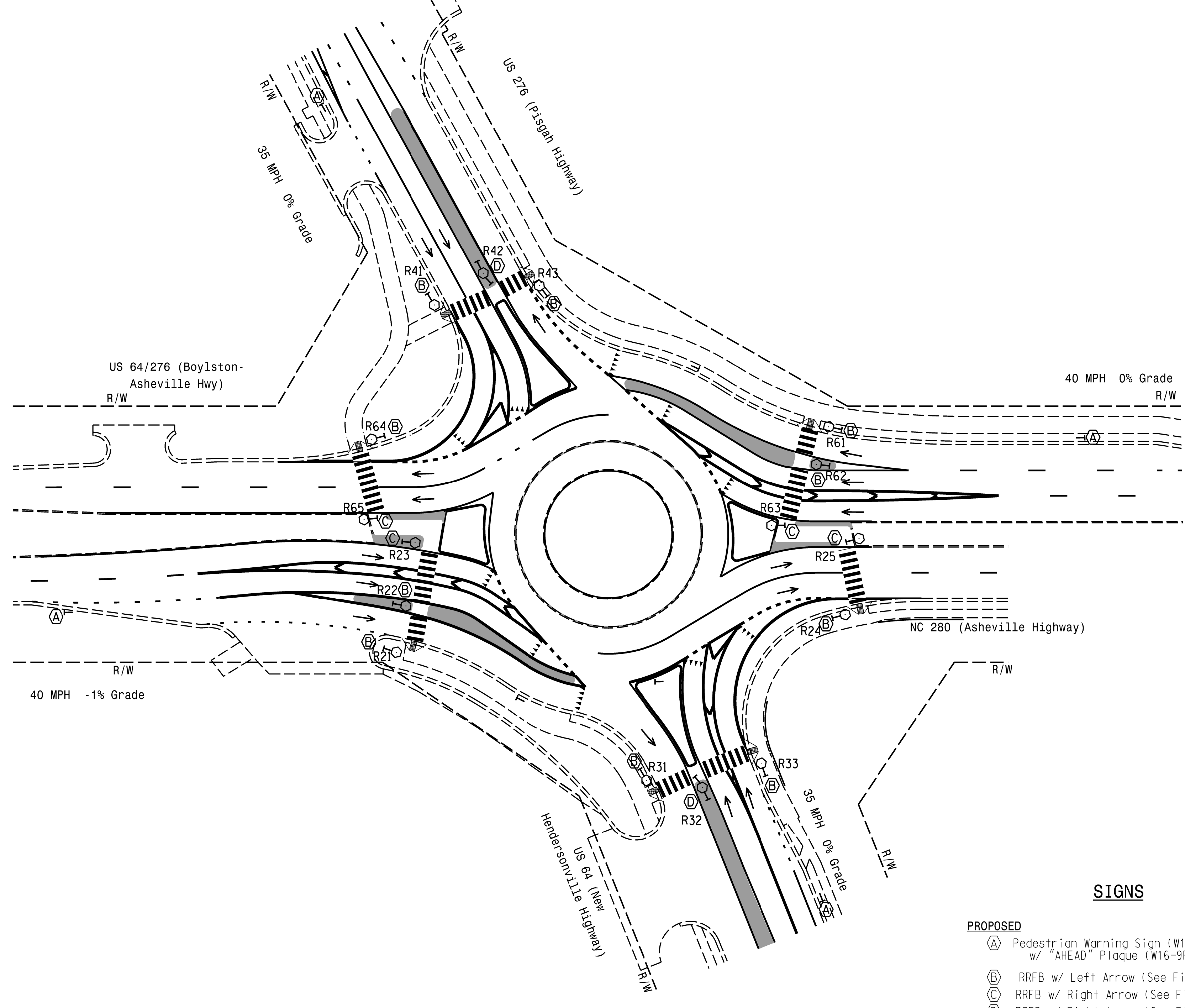
Total Amount Of Bid For Entire Project :



TIMING CHART

FEATURE	RRFB GROUP					
	R21/R22/R23	R24/R25	R31/R32/R33	R41/R42/R43	R61/R62/R63	R64/R65
RRFB Flash Time	23	17	23	21	23	19

Notes:
1. These values may be field adjusted. Do not adjust RRFB Flash times lower than what is shown.
2. R31/R32/R33 and R41/R42/R43 RRFB Flash time is intended to be sufficient time to cross from one side of the road to the other.

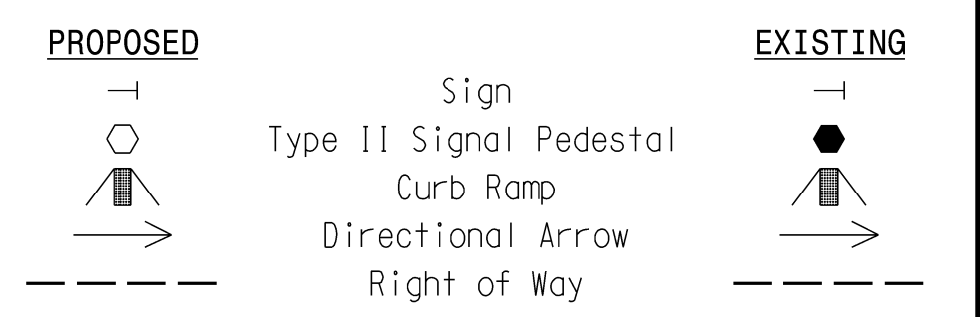


Semi-Actuated Rectangular Rapid Flashing Beacon (RRFB)

NOTES

- Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
- Align the front face of the pedestrian push button assembly parallel with the crosswalk.
- The distance to the pushbutton from the edge of the sidewalk should be no greater than 18".
- The pay item for Rectangular Rapid Flashing Beacon (RRFB) shall include, but not be limited to the signs, pushbuttons, flashing beacons, solar panel, battery, controller assembly, and all incidentals related to the installation of the RRFB.

LEGEND



SIGNS

- | | |
|--|-----------------|
| PROPOSED | EXISTING |
| (A) Pedestrian Warning Sign (W11-2) w/ "AHEAD" Plaque (W16-9P) | (A) |
| (B) RRFB w/ Left Arrow (See Fig. 1) | (B) |
| (C) RRFB w/ Right Arrow (See Fig. 2) | (C) |
| (D) RRFB w/ Right Arrow (See Fig. 4) | (D) |

Pedestrian Crossings

Prepared for the Offices of: TRANSYLVANIA COUNTY Department of Transportation Signal Design Section		NC 280 (Asheville Highway) / US 64-276 (Boylston-Asheville Highway) at US 64 (Hendersonville Highway) / US 276 (Pisgah Highway)	
Division 14 Transylvania County		Brevard	
PLAN DATE: April 2023		REVIEWED BY: S.G. Haynie	
PREPARED BY: P. Koloski		REVIEWED BY:	
REVISIONS	INIT.	DATE	
✓ Note Change	SGH	8/17/23	

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

SEAL

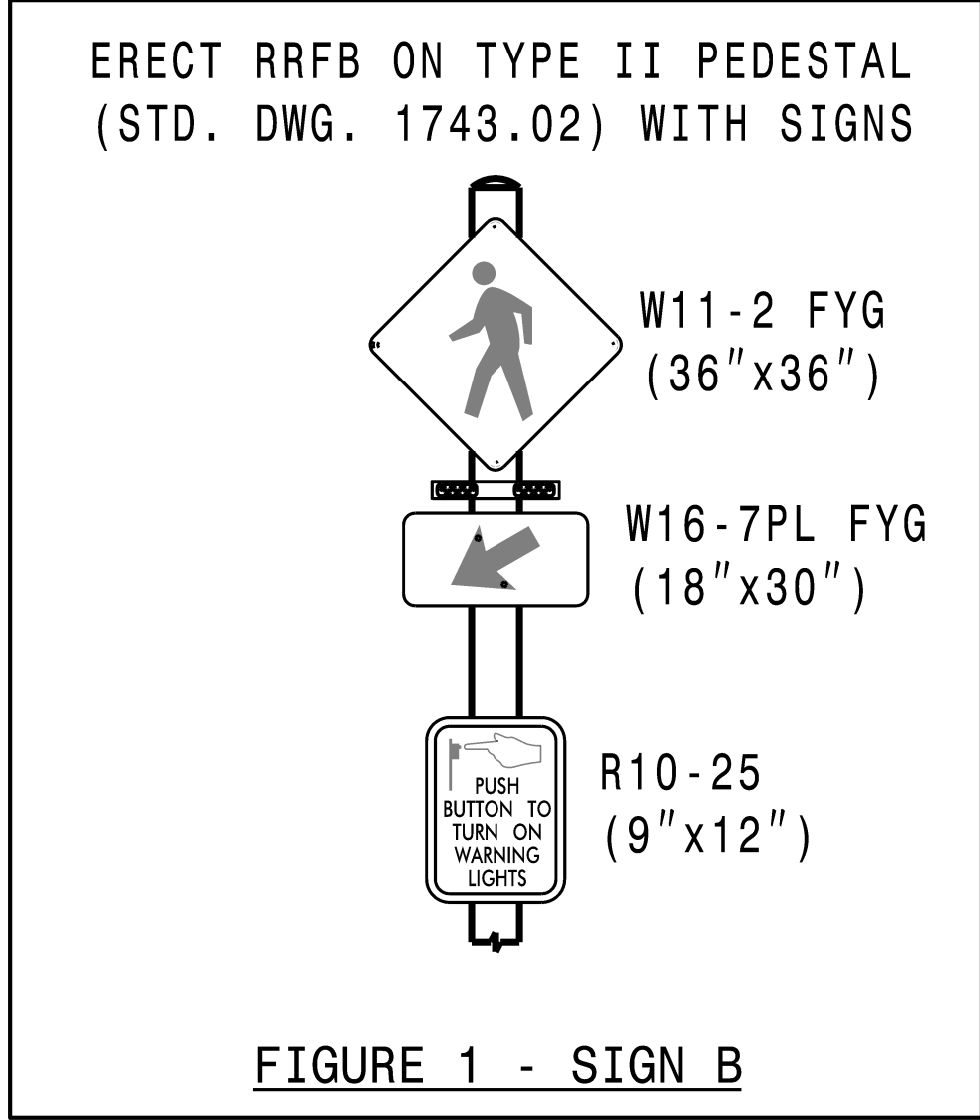
North Carolina Professional Engineer
SEAL 029531
Steven G. Haynie

SIGNATURE: *Steven G. Haynie* DATE: 4/28/2023

Signature Inventory No. 14-5026

RS&H
NC FIRM LICENSE No: F-0493
1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
(704) 752-0610

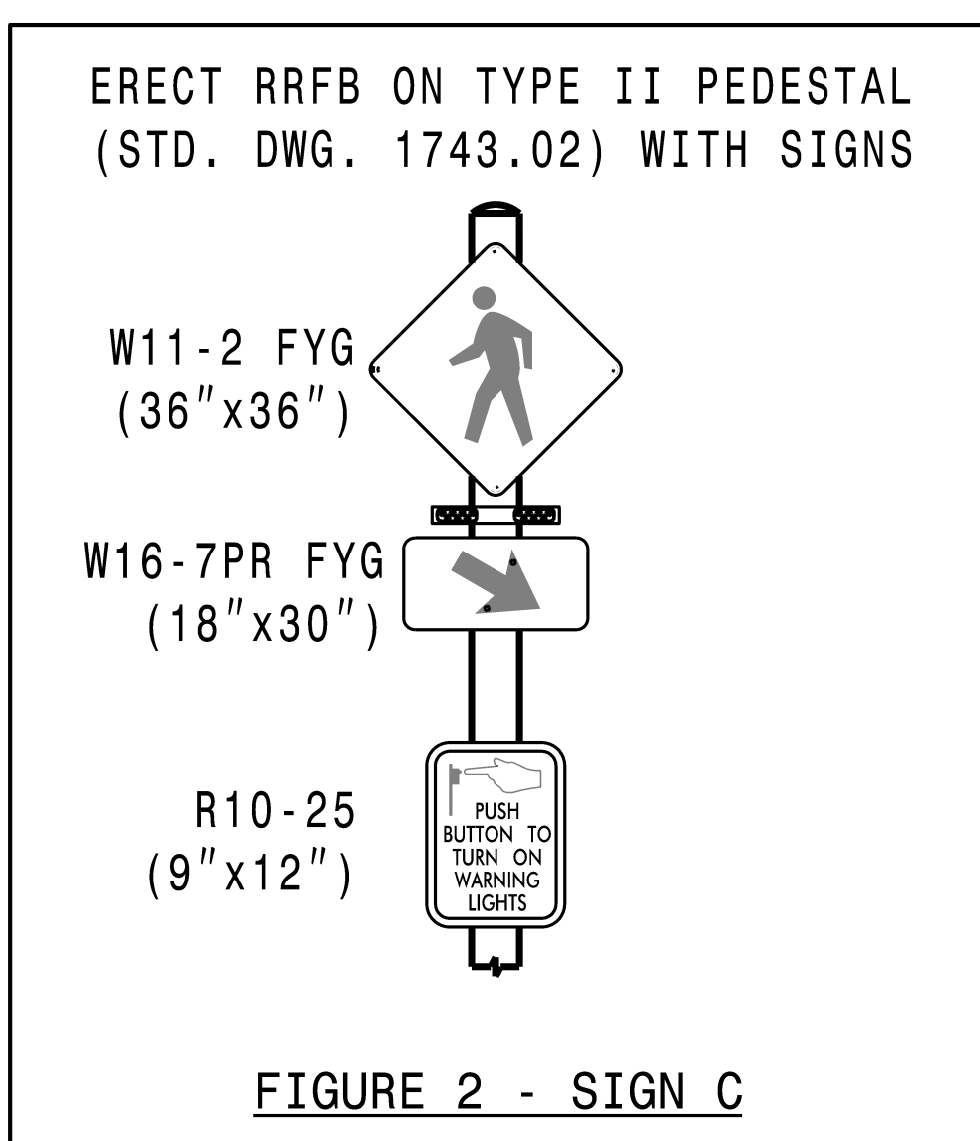
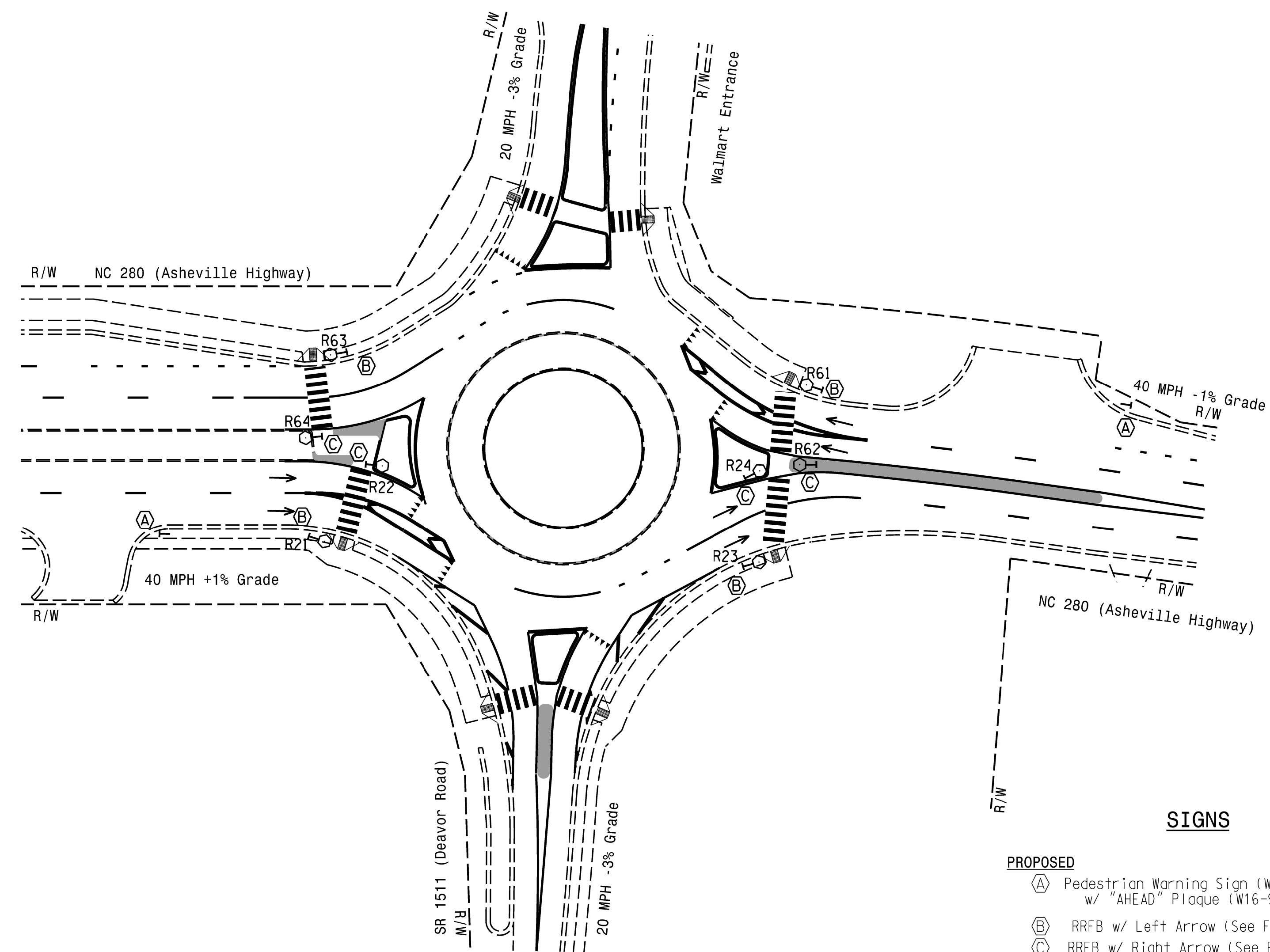
8/1/2023
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Semi-Actuated Rectangular Rapid Flashing Beacon (RRFB)

NOTES

1. Refer to "Roadway Standard Drawings NCDOT" dated January 2018 and "Standard Specifications for Roads and Structures" dated January 2018.
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SIGNS

- | | |
|--|-----------------|
| PROPOSED | EXISTING |
| (A) Pedestrian Warning Sign (W11-2) w/ "AHEAD" Plaque (W16-9P) | (A) |
| (B) RRFB w/ Left Arrow (See Fig. 1) | (B) |
| (C) RRFB w/ Right Arrow (See Fig. 2) | (C) |

LEGEND

- | | |
|-----------------------------|-----------------------------|
| PROPOSED | EXISTING |
| (Symbol: Pedestrian) | (Symbol: Pedestrian) |
| (Symbol: Type II Pedestal) | (Symbol: Type II Pedestal) |
| (Symbol: Curb Ramp) | (Symbol: Curb Ramp) |
| (Symbol: Directional Arrow) | (Symbol: Directional Arrow) |
| (Symbol: Right of Way) | (Symbol: Right of Way) |

FEATURE	RRFB GROUP			
	R21/R22	R23/R24	R61/R62	R63/R64
RRFB Flash Time	17	17	16	16

Notes:
1. These values may be field adjusted. Do not adjust RRFB Flash times lower than what is shown.

Pedestrian Crossings

 NC FIRM LICENSE No: F-0493 1520 SOUTH BOULEVARD, SUITE 200 CHARLOTTE, NC 28203 (704) 752-0610	Prepared for the Offices of: TRANSPORTATION MOBILITY AND SAFETY DIVISION STATE OF NORTH CAROLINA Signal Design Section		NC 280 at SR 1511 (Deavor Road) / Walmart Entrance Division 14 Transylvania County Brevard		DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED SEAL Steven G. Haynie DATE: 4/28/2023 Sig Inventory No. 14-5027
	PLAN DATE: April 2023 PREPARED BY: P. Koloski	REVIEWED BY: S.G. Haynie	REVISIONS Note Change	INIT. DATE SGH 8/17/23	

8/1/2023
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