



PAT McCRORY
Governor

NICHOLAS J. TENNYSON
Secretary

July 06, 2016

Addendum No. 2

RE: Contract # C203751

WBS # 42263.3.1

F. A. # BRNHS-0070(119)

Wake County (B-5121, B-5317)

Bridge #227 On US-70/US-401/NC-50 Over Peace Street And

Bridge #213 On US-70/NC-50 Over US-401

July 19, 2016 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 Transportation Management plans:

Sheet No.	Revisions
TMP-1	Added TMP-2F and TMP-17H to the Index of Sheets.
TMP-2F	New sheet for Dortch St. sign design.
TMP-4A	Added 21 day ICT for Dortch St. (Area I, Phase I, Steps 4B1 to 4B3).
TMP-6	Added a note referring Contractor to Area I, Phase I, Step 4 phasing for construction of Dortch St.
TMP-11	Added a note referring Contractor to Area I, Phase I, Step 4 phasing for construction of Dortch St.
TMP-12	Added a note referring Contractor to Area I, Phase I, Step 4 phasing for construction of Dortch St.
TMP-14	Added a note referring Contractor to Area I, Phase I, Step 4 phasing for construction of Dortch St.
TMP-17H	New sheet for Dortch St. offsite detour.

Please void the above listed sheets in your plans and staple the revised sheets thereto.

Please add the new sheets where indicated above.



The following revisions have been made to the proposal:

Page Nos.	Revisions
Proposal Cover	Note added that reads "Includes Addendum No. 2 Dated 07-06-16"
G-13 thru G-15	New ICT #17 added to Page G-13

Please void the above listed pages in your proposal and replace with the revised pages.

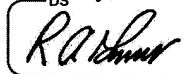
On the item sheets the following pay items have been revised:

<u>Item</u>	<u>Description</u>	<u>Old Quantity</u>	<u>New Quantity</u>
0151-4400000000-E-1110	Work Zone Signs (Stationary)	3,930 SF	3,970 SF
0153-4410000000-E-1110	Work Zone Signs (Barricade Mounted)	374 SF	416 SF
0158-4445000000-E-1145	Barricades (Type III)	656 LF	736 LF

The Contractor's bid must include these pay item quantity revisions. The contract will be prepared accordingly.

The Expedite File has been updated to reflect these revisions. 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.

Sincerely,



R. A. Garris, PE
Contract Officer

RAG/jjr

cc: Mr. Lamar Sylvester, PE	Mr. Ray Arnold, PE
Mr. Joey Hopkins PE	Ms. Theresa Canales, PE
Mr. Rodger Rochelle, PE	Ms. Marsha Sample
Mr. R.E. Davenport, PE	Mr. Mike Gwyn
Mr. Ken Kennedy, PE	Mr. Mitchell Dixon
Ms. Jaci Kincaid	Ms. Penny Higgins
Project File (2)	Ms. Lori Strickland

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

PROPOSAL

INCLUDES ADDENDUM No. 1 DATED 06-09-16

INCLUDES ADDENDUM No.2 DATED 07-06-16

DATE AND TIME OF BID OPENING: **JULY 19, 2016 AT 2:00 PM**

CONTRACT ID C203751
WBS 42263.3.1

FEDERAL-AID NO. BRNHS-0070(119)

COUNTY WAKE

T.I.P. NO. B-5121, B-5317

MILES 0.820

ROUTE NO. US 70

LOCATION BRIDGE #227 ON US-70/US-401/NC-50 OVER PEACE STREET
AND BRIDGE #213 ON US-70/NC-50 OVER US-401.

TYPE OF WORK GRADING, DRAINAGE, PAVING, SIGNING, SIGNALS, AND STRUCTURES.

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

The liquidated damages are **One Thousand Dollars (\$ 1,000.00)** per calendar day.

INTERMEDIATE CONTRACT TIME NUMBER 15 AND LIQUIDATED DAMAGES:

(2-20-07) (Rev. 6-18-13)

108

SP1 G14 F

The Contractor shall complete the work required of **Area II, Phase V, Step #1B** as described on Sheet TMP-18D and shall place and maintain traffic on same.

The work shall be completed in consecutive weekends of the Contractor's choosing, beginning at 9:00 p.m. on a Friday, and ending at 6:00 a.m. the following Monday for each weekend.

The date of availability for this intermediate contract time is **the Friday at 9:00 p.m. of the first weekend** the Contractor elects to begin the work.

The completion date for this intermediate contract time is **the Monday at 6:00 a.m. after the Contractor has completed the work required of Area II, Phase V, Step #1B.**

The liquidated damages are **Two Thousand Five Hundred Dollars (\$ 2,500.00)** per fifteen (15) minute time period.

INTERMEDIATE CONTRACT TIME NUMBER 16 AND LIQUIDATED DAMAGES:

The Contractor shall complete the work required to switch the existing City of Raleigh - Signal System Fiber "SIG" fiber optic communications network over to the new fiber optic communications networks as shown in the Plans. This includes ensuring that the severing of the City of Raleigh "SIG" fiber optic communications network (purposefully or accidentally) does not affect any other system devices located either upstream or downstream of this construction activity that are also part of the City of Raleigh "SIG" fiber optic communications network. Any time the existing or relocated fiber has scheduled or unscheduled breaks, is damaged or cut, for any reason, repair shall be made within 48-hours.

The time of availability for this intermediate contract time is the time the Contractor elects to begin this work or when notified of an unscheduled break or cut has occurred in the fiber.

The completion time for this intermediate contract time is **forty-eight (48)** hours after any fiber connection is severed whether scheduled or unscheduled.

The liquidated damages are **Five Hundred Dollars (\$ 500.00)** per hour.

INTERMEDIATE CONTRACT TIME NUMBER 17 AND LIQUIDATED DAMAGES:

(2-20-07) (Rev. 6-18-13)

108

SP1 G14 H

The Contractor shall complete the work required of **Area I, Phase I, Step #4B** as described on Sheet **TMP-4A** and shall place and maintain traffic on same.

The date of availability for this intermediate contract time is the date the Contractor elects to begin the work.

The completion date for this intermediate contract time is the date which is **Twenty One (21)** consecutive calendar days after and including the date the Contractor begins this work.

The liquidated damages are **Five Hundred Dollars (\$ 500.00)** per calendar day.

PERMANENT VEGETATION ESTABLISHMENT:

(2-16-12) (Rev. 10-15-13)

104

SPI G16

Establish a permanent stand of the vegetation mixture shown in the contract. During the period between initial vegetation planting and final project acceptance, perform all work necessary to establish permanent vegetation on all erodible areas within the project limits, as well as, in borrow and waste pits. This work shall include erosion control device maintenance and installation, repair seeding and mulching, supplemental seeding and mulching, mowing, and fertilizer topdressing, as directed. All work shall be performed in accordance with the applicable section of the *2012 Standard Specifications*. All work required for initial vegetation planting shall be performed as a part of the work necessary for the completion and acceptance of the Intermediate Contract Time (ICT). Between the time of ICT and Final Project acceptance, or otherwise referred to as the vegetation establishment period, the Department will be responsible for preparing the required National Pollutant Discharge Elimination System (NPDES) inspection records.

Once the Engineer has determined that the permanent vegetation establishment requirement has been achieved at an 80% vegetation density (the amount of established vegetation per given area to stabilize the soil) and no erodible areas exist within the project limits, the Contractor will be notified to remove the remaining erosion control devices that are no longer needed. The Contractor will be responsible for, and shall correct any areas disturbed by operations performed in permanent vegetation establishment and the removal of temporary erosion control measures, whether occurring prior to or after placing traffic on the project.

Payment for *Response for Erosion Control, Seeding and Mulching, Repair Seeding, Supplemental Seeding, Mowing, Fertilizer Topdressing, Silt Excavation, and Stone for Erosion Control* will be made at contract unit prices for the affected items. Work required that is not represented by contract line items will be paid in accordance with Articles 104-7 or 104-3 of the *2012 Standard Specifications*. No additional compensation will be made for maintenance and removal of temporary erosion control items.

MANDATORY PRE-BID CONFERENCE (Prequalifying To Bid):

(7-18-06) (Rev. 3-25-13)

SPI I-14

In order for all prospective bidders to have an extensive knowledge of the project, all prospective bidders shall attend a mandatory pre-bid conference on Tuesday **May 24, 2016** at 10:00 am at:

Chief Engineer's Conference Room
NCDOT Equipment and Maintenance Facility
4809 Beryl Rd
Raleigh, NC 27606
(919)733-2220

(Contractors please use visitor entrance at front of building for access)

The pre-bid conference will include a thorough discussion of the plans, contract pay items, special provisions, etc.

Only bidders who have attended and properly registered at the above scheduled pre-bid conference and who have met all other prequalification requirements will be considered

prequalified to bid on this project. A bid received from a bidder who has not attended and properly registered at the above scheduled pre-bid conference will not be accepted and considered for award.

Attendance at the pre-bid conference will not meet the requirements of proper registration unless the individual attending has registered at the pre-bid conference in accordance with the following:

- (A) The individual has signed his name on the official roster no later than thirty (30) minutes after the above noted time for the beginning of the conference.
- (B) The individual has written in the name and address of the company he or she represents.
- (C) Only one company has been shown as being represented by the individual attending.
- (D) The individual attending is an officer or permanent employee of the company they are representing.

Attendance at any prior pre-bid conference will not meet the requirement of this provision.

County : Wake

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	0000900000-N	SP	GENERIC MISCELLANEOUS ITEM UTILITY COORDINATOR	Lump Sum	L.S.	
0004	0001000000-E	200	CLEARING & GRUBBING .. ACRE(S)	Lump Sum	L.S.	
0005	0008000000-E	200	SUPPLEMENTARY CLEARING & GRUB- BING	1 ACR		
0006	0022000000-E	225	UNCLASSIFIED EXCAVATION	44,700 CY		
0007	0036000000-E	225	UNDERCUT EXCAVATION	3,198 CY		
0008	0106000000-E	230	BORROW EXCAVATION	32,000 CY		
0009	0134000000-E	240	DRAINAGE DITCH EXCAVATION	240 CY		
0010	0141000000-E	240	BERM DITCH CONSTRUCTION	260 LF		
0011	0156000000-E	250	REMOVAL OF EXISTING ASPHALT PAVEMENT	13,900 SY		
0012	0163000000-E	250	REMOVAL OF EXISTING CONCRETE PAVEMENT	36,900 SY		
0013	0177000000-E	250	BREAKING OF EXISTING ASPHALT PAVEMENT	3,100 SY		
0014	0192000000-N	260	PROOF ROLLING	10 HR		
0015	0195000000-E	265	SELECT GRANULAR MATERIAL	4,400 CY		
0016	0196000000-E	270	GEOTEXTILE FOR SOIL STABILIZA- TION	25,300 SY		
0017	0199000000-E	SP	TEMPORARY SHORING	8,717 SF		
0018	0223000000-E	275	ROCK PLATING	380 SY		
0019	0255000000-E	SP	GENERIC GRADING ITEM HAULING & DISPOSAL OF PETROLE- UM CONTAMINTED SOIL	500 TON		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0020	0314000000-E	SP	SELECT MATERIAL, CLASS ***** (IV)	70	TON	
0021	0318000000-E	300	FOUNDATION CONDITIONING MATERIAL, MINOR STRUCTURES	2,550	TON	
0022	0320000000-E	300	FOUNDATION CONDITIONING GEOTEXTILE	8,350	SY	
0023	0342000000-E	310	*** SIDE DRAIN PIPE (42")	76	LF	
0024	0342000000-E	310	*** SIDE DRAIN PIPE (60")	48	LF	
0025	0342000000-E	310	*** SIDE DRAIN PIPE (8")	12	LF	
0026	0343000000-E	310	15" SIDE DRAIN PIPE	712	LF	
0027	0344000000-E	310	18" SIDE DRAIN PIPE	76	LF	
0028	0345000000-E	310	24" SIDE DRAIN PIPE	56	LF	
0029	0348000000-E	310	*** SIDE DRAIN PIPE ELBOWS (15")	2	EA	
0030	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (15", V)	596	LF	
0031	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (18", V)	800	LF	
0032	0354000000-E	310	**** RC PIPE CULVERTS, CLASS ***** (24", V)	176	LF	
0033	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (48")	724	LF	
0034	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (54")	128	LF	
0035	0448000000-E	310	***** RC PIPE CULVERTS, CLASS IV (60")	412	LF	

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0036	0448200000-E	310	15" RC PIPE CULVERTS, CLASS IV	4,040 LF		
0037	0448300000-E	310	18" RC PIPE CULVERTS, CLASS IV	2,800 LF		
0038	0448400000-E	310	24" RC PIPE CULVERTS, CLASS IV	948 LF		
0039	0448600000-E	310	36" RC PIPE CULVERTS, CLASS IV	252 LF		
0040	0448700000-E	310	42" RC PIPE CULVERTS, CLASS IV	396 LF		
0041	0542000000-E	310	*** PVC PIPE CULVERTS (8")	8 LF		
0042	0582000000-E	310	15" CS PIPE CULVERTS, 0.064" THICK	60 LF		
0043	0588000000-E	310	18" CS PIPE CULVERTS, 0.064" THICK	60 LF		
0044	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (15", 0.064")	2 EA		
0045	0636000000-E	310	*** CS PIPE ELBOWS, ***** THICK (18", 0.064")	2 EA		
0046	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (42", 0.625")	48 LF		
0047	0973100000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B IN SOIL (60", 0.875")	50 LF		
0048	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (42", 0.625")	48 LF		
0049	0973300000-E	330	*** WELDED STEEL PIPE, ***** THICK, GRADE B NOT IN SOIL (60", 0.875")	50 LF		
0050	0986000000-E	SP	GENERIC PIPE ITEM 16" DUCTILE IRON PIPE, CLASS 250, SEALED	208 LF		
0051	0986000000-E	SP	GENERIC PIPE ITEM 18" DUCTILE IRON PIPE, CLASS 250, SEALED	52 LF		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0052	0986000000-E	SP	GENERIC PIPE ITEM 24" DUCTILE IRON PIPE, CLASS 200, SEALED	248 LF		
0053	0986000000-E	SP	GENERIC PIPE ITEM 36" DUCTILE IRON PIPE, CLASS 150, SEALED	176 LF		
0054	0992000000-E	SP	GENERIC PIPE ITEM BOOTS FOR SEALED DRAINAGE STRUCTURES	16 EA		
0055	0995000000-E	340	PIPE REMOVAL	3,128 LF		
0056	1000000000-E	462	6" SLOPE PROTECTION	57 SY		
0057	1011000000-N	500	FINE GRADING	Lump Sum	L.S.	
0058	1099500000-E	505	SHALLOW UNDERCUT	6,818 CY		
0059	1099700000-E	505	CLASS IV SUBGRADE STABILIZA- TION	13,800 TON		
0060	1110000000-E	510	STABILIZER AGGREGATE	500 TON		
0061	1115000000-E	SP	GEOTEXTILE FOR PAVEMENT STA- BILIZATION	5,961 SY		
0062	1121000000-E	520	AGGREGATE BASE COURSE	430 TON		
0063	1220000000-E	545	INCIDENTAL STONE BASE	500 TON		
0064	1297000000-E	607	MILLING ASPHALT PAVEMENT, **** DEPTH (1-1/2")	2,250 SY		
0065	1308000000-E	607	MILLING ASPHALT PAVEMENT, **** TO ***** (0" TO 1-1/2")	1,170 SY		
0066	1330000000-E	607	INCIDENTAL MILLING	2,580 SY		
0067	1489000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0B	5,380 TON		
0068	1491000000-E	610	ASPHALT CONC BASE COURSE, TYPE B25.0C	12,660 TON		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0069	1498000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0B	3,910 TON		
0070	1503000000-E	610	ASPHALT CONC INTERMEDIATE COURSE, TYPE I19.0C	8,760 TON		
0071	1519000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5B	5,310 TON		
0072	1523000000-E	610	ASPHALT CONC SURFACE COURSE, TYPE S9.5C	6,510 TON		
0073	1575000000-E	620	ASPHALT BINDER FOR PLANT MIX	2,105 TON		
0074	1693000000-E	654	ASPHALT PLANT MIX, PAVEMENT REPAIR	6,620 TON		
0075	2000000000-N	806	RIGHT OF WAY MARKERS	87 EA		
0076	2253000000-E	840	PIPE COLLARS	0.553 CY		
0077	2264000000-E	840	PIPE PLUGS	0.065 CY		
0078	2275000000-E	SP	FLOWABLE FILL	688 CY		
0079	2286000000-N	840	MASONRY DRAINAGE STRUCTURES	183 EA		
0080	2297000000-E	840	MASONRY DRAINAGE STRUCTURES	58.845 CY		
0081	2308000000-E	840	MASONRY DRAINAGE STRUCTURES	85.8 LF		
0082	2364000000-N	840	FRAME WITH TWO GRATES, STD 840.16	14 EA		
0083	2366000000-N	840	FRAME WITH TWO GRATES, STD 840.24	2 EA		
0084	2367000000-N	840	FRAME WITH TWO GRATES, STD 840.29	30 EA		
0085	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (E)	17 EA		
0086	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (F)	66 EA		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0087	2374000000-N	840	FRAME WITH GRATE & HOOD, STD 840.03, TYPE ** (G)	54 EA		
0088	2396000000-N	840	FRAME WITH COVER, STD 840.54	17 EA		
0089	2418000000-E	SP	FRAME WITH GRATES, DRIVEWAY DROP INLET	168 LF		
0090	2451000000-N	852	CONCRETE TRANSITIONAL SECTION FOR DROP INLET	10 EA		
0091	2473000000-N	SP	GENERIC DRAINAGE ITEM MASONRY DRAINAGE STRUCTURES (SEALED)	8 EA		
0092	2484000000-E	SP	GENERIC DRAINAGE ITEM MASONRY DRAINAGE STRUCTURES (SEALED)	3.2 LF		
0093	2535000000-E	846	***X *** CONCRETE CURB (8" X 12")	470 LF		
0094	2535000000-E	846	***X *** CONCRETE CURB (8" X 18")	1,420 LF		
0095	2549000000-E	846	2'-6" CONCRETE CURB & GUTTER	18,310 LF		
0096	2591000000-E	848	4" CONCRETE SIDEWALK	7,791 SY		
0097	2605000000-N	848	CONCRETE CURB RAMP	71 EA		
0098	2612000000-E	848	6" CONCRETE DRIVEWAY	1,120 SY		
0099	2619000000-E	850	4" CONCRETE PAVED DITCH	95 SY		
0100	2655000000-E	852	5" MONOLITHIC CONCRETE ISLANDS (KEYED IN)	1,154 SY		
0101	2724000000-E	857	PRECAST REINFORCED CONCRETE BARRIER, SINGLE FACED	631 LF		
0102	2753000000-E	846	GENERIC PAVING ITEM 2'-6" CONCRETE CURB & GUTTER (SPECIAL)	8,100 LF		
0103	2800000000-N	858	ADJUSTMENT OF CATCH BASINS	5 EA		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0104	2830000000-N	858	ADJUSTMENT OF MANHOLES	8 EA		
0105	2845000000-N	858	ADJUSTMENT OF METER BOXES OR VALVE BOXES	2 EA		
0106	2893000000-N	859	CONVERT EXISTING CATCH BASIN TO JUNCTION BOX WITH MANHOLE	1 EA		
0107	2965000000-N	859	CONVERT EXISTING JUNCTION BOX TO CATCH BASIN	1 EA		
0108	2995000000-N	SP	GENERIC DRAINAGE ITEM CONVERT EXISTING JUNCTION BOX TO SLAB TOP JUNCTION BOX	2 EA		
0109	3000000000-N	SP	IMPACT ATTENUATOR UNIT, TYPE 350	6 EA		
0110	3030000000-E	862	STEEL BM GUARDRAIL	2,675 LF		
0111	3045000000-E	862	STEEL BM GUARDRAIL, SHOP CURVED	25 LF		
0112	3105000000-N	862	STEEL BM GUARDRAIL TERMINAL SECTIONS	2 EA		
0113	3150000000-N	862	ADDITIONAL GUARDRAIL POSTS	15 EA		
0114	3195000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE AT-1	1 EA		
0115	3215000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE III	10 EA		
0116	3270000000-N	SP	GUARDRAIL ANCHOR UNITS, TYPE 350	11 EA		
0117	3317000000-N	862	GUARDRAIL ANCHOR UNITS, TYPE B-77	6 EA		
0118	3360000000-E	863	REMOVE EXISTING GUARDRAIL	1,027 LF		
0119	3380000000-E	862	TEMPORARY STEEL BM GUARDRAIL	275 LF		
0120	3387000000-N	862	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (AT-1)	1 EA		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0121	3387000000-N	862	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE ***** (W-BEAM)	1 EA		
0122	3389100000-N	SP	TEMPORARY GUARDRAIL ANCHOR UNITS, TYPE 350	2 EA		
0123	3524000000-E	SP	VINYL COATED CHAIN LINK FENCE, *** FABRIC (60")	5,120 LF		
0124	3575000000-E	SP	GENERIC FENCING ITEM CHAIN LINK FENCE WITH BARBED WIRE, 96" FABRIC, VINYL COATED	590 LF		
0126	3578000000-N	SP	GENERIC FENCING ITEM METAL LINE POST, 60" CHAIN LINK FENCE, VINYL COATED	427 EA		
0127	3578000000-N	SP	GENERIC FENCING ITEM METAL LINE POST, 96" CHAIN LINK FENCE, VINYL COATED	50 EA		
0128	3578000000-N	SP	GENERIC FENCING ITEM METAL TERMINAL POST, 60" CHAIN LINK FENCE, VINYL COATED	36 EA		
0129	3578000000-N	SP	GENERIC FENCING ITEM METAL TERMINAL POST, 96" CHAIN LINK FENCE, VINYL COATED	6 EA		
0130	3635000000-E	876	RIP RAP, CLASS II	660 TON		
0131	3649000000-E	876	RIP RAP, CLASS B	110 TON		
0132	3656000000-E	876	GEOTEXTILE FOR DRAINAGE	3,465 SY		
0133	4048000000-E	902	REINFORCED CONCRETE SIGN FOUNDATIONS	4 CY		
0134	4054000000-E	902	PLAIN CONCRETE SIGN FOUNDATIONS	1 CY		
0135	4057000000-E	SP	OVERHEAD FOOTING	37 CY		
0136	4060000000-E	903	SUPPORTS, BREAKAWAY STEEL BEAM	1,496 LB		
0137	4066000000-E	903	SUPPORTS, SIMPLE STEEL BEAM	1,957 LB		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0138	4072000000-E	903	SUPPORTS, 3-LB STEEL U-CHANNEL	1,373 LF		
0139	4082100000-N	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (30+74 NBL)	Lump Sum	L.S.	
0140	4082100000-N	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (40+28 NBL)	Lump Sum	L.S.	
0141	4082100000-N	SP	SUPPORTS, OVERHEAD SIGN STRUCTURE AT STA ***** (50+00 NBL)	Lump Sum	L.S.	
0142	4096000000-N	904	SIGN ERECTION, TYPE D	4 EA		
0143	4102000000-N	904	SIGN ERECTION, TYPE E	60 EA		
0144	4108000000-N	904	SIGN ERECTION, TYPE F	8 EA		
0145	4109000000-N	904	SIGN ERECTION, TYPE *** (OVERHEAD) (A)	5 EA		
0146	4110000000-N	904	SIGN ERECTION, TYPE *** (GROUND MOUNTED) (A)	11 EA		
0147	4149000000-N	907	DISPOSAL OF SIGN SYSTEM, OVERHEAD	1 EA		
0148	4152000000-N	907	DISPOSAL OF SIGN SYSTEM, STEEL BEAM	2 EA		
0149	4155000000-N	907	DISPOSAL OF SIGN SYSTEM, U-CHANNEL	58 EA		
0150	4234000000-N	907	DISPOSAL OF SIGN, A OR B (OVERHEAD)	1 EA		
0151	4400000000-E	1110	WORK ZONE SIGNS (STATIONARY)	3,970 SF		
0152	4405000000-E	1110	WORK ZONE SIGNS (PORTABLE)	3,342 SF		
0153	4410000000-E	1110	WORK ZONE SIGNS (BARRICADE MOUNTED)	416 SF		
0154	4415000000-N	1115	FLASHING ARROW BOARD	6 EA		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0155	4420000000-N	1120	PORTABLE CHANGEABLE MESSAGE SIGN	14 EA		
0156	4430000000-N	1130	DRUMS	635 EA		
0157	4435000000-N	1135	CONES	93 EA		
0158	4445000000-E	1145	BARRICADES (TYPE III)	736 LF		
0159	4450000000-N	1150	FLAGGER	7,680 HR		
0160	4465000000-N	1160	TEMPORARY CRASH CUSHIONS	6 EA		
0161	4470000000-N	1160	RESET TEMPORARY CRASH CUSHION	4 EA		
0162	4480000000-N	1165	TMA	6 EA		
0163	4485000000-E	1170	PORTABLE CONCRETE BARRIER	4,550 LF		
0164	4490000000-E	1170	PORTABLE CONCRETE BARRIER (ANCHORED)	135 LF		
0165	4500000000-E	1170	RESET PORTABLE CONCRETE BARRIER	2,260 LF		
0166	4507000000-E	1170	WATER FILLED BARRIER	4,377 LF		
0167	4508000000-E	1170	RESET WATER FILLED BARRIER	33,884 LF		
0168	4510000000-N	SP	LAW ENFORCEMENT	990 HR		
0169	4516000000-N	1180	SKINNY DRUM	229 EA		
0170	4520000000-N	1266	TUBULAR MARKERS (FIXED)	46 EA		
0171	4570000000-E	SP	TEMPORARY GLARE SCREEN	1,580 LF		
0172	4589000000-N	SP	GENERIC TRAFFIC CONTROL ITEM PROTECTIVE CANOPY	Lump Sum	L.S.	
0173	4650000000-N	1251	TEMPORARY RAISED PAVEMENT MARKERS	2,082 EA		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0174	4685000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 90 MILS)	29 LF		
0175	4686000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (4", 120 MILS)	11,992 LF		
0176	4695000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 90 MILS)	2,303 LF		
0177	4697000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (8", 120 MILS)	880 LF		
0178	4710000000-E	1205	THERMOPLASTIC PAVEMENT MARKING LINES (24", 120 MILS)	4,485 LF		
0179	4721000000-E	1205	THERMOPLASTIC PAVEMENT MARKING CHARACTER (120 MILS)	20 EA		
0180	4725000000-E	1205	THERMOPLASTIC PAVEMENT MARKING SYMBOL (90 MILS)	90 EA		
0181	4770000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (II)	709 LF		
0182	4770000000-E	1205	COLD APPLIED PLASTIC PAVEMENT MARKING LINES, TYPE ** (4") (IV)	1,250 LF		
0183	4800000000-N	1205	COLD APPLIED PLASTIC PAVEMENT MARKING CHARACTER, TYPE ** (IV)	8 EA		
0184	4805000000-N	1205	COLD APPLIED PLASTIC PAVEMENT MARKING SYMBOL, TYPE ** (IV)	4 EA		
0185	4810000000-E	1205	PAINT PAVEMENT MARKING LINES (4")	162,912 LF		
0186	4820000000-E	1205	PAINT PAVEMENT MARKING LINES (8")	19,280 LF		
0187	4835000000-E	1205	PAINT PAVEMENT MARKING LINES (24")	5,930 LF		
0188	4840000000-N	1205	PAINT PAVEMENT MARKING CHARACTER	116 EA		
0189	4845000000-N	1205	PAINT PAVEMENT MARKING SYMBOL	274 EA		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0190	4850000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (4")	35,060 LF		
0191	4860000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (8")	3,170 LF		
0192	4870000000-E	1205	REMOVAL OF PAVEMENT MARKING LINES (24")	50 LF		
0193	4875000000-N	1205	REMOVAL OF PAVEMENT MARKING SYMBOLS & CHARACTERS	65 EA		
0194	4900000000-N	1251	PERMANENT RAISED PAVEMENT MARKERS	15 EA		
0195	4905000000-N	1253	SNOWPLOWABLE PAVEMENT MARKERS	294 EA		
0196	5255000000-N	1413	PORTABLE LIGHTING	Lump Sum	L.S.	
0197	5265000000-E	SP	GENERIC LIGHTING ITEM STREET LIGHTING CONDUIT INSTALLATION (2" PVC)	12,600 LF		
0198	5325800000-E	1510	8" WATER LINE	2,468 LF		
0199	5326200000-E	1510	12" WATER LINE	6,108 LF		
0200	5546000000-E	1515	8" VALVE	16 EA		
0201	5558000000-E	1515	12" VALVE	21 EA		
0202	5600000000-E	1515	*** BLOW OFF (12")	4 EA		
0203	5606800000-E	1515	8" BLOW OFF	3 EA		
0204	5648000000-N	1515	RELOCATE WATER METER	43 EA		
0205	5649000000-N	1515	RECONNECT WATER METER	2 EA		
0206	5666000000-E	1515	FIRE HYDRANT	4 EA		
0207	5672000000-N	1515	RELOCATE FIRE HYDRANT	10 EA		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0208	5691000000-E	1520	*** SANITARY GRAVITY SEWER (36")	2,010 LF		
0209	5691300000-E	1520	8" SANITARY GRAVITY SEWER	2,423 LF		
0210	5691500000-E	1520	12" SANITARY GRAVITY SEWER	2,051 LF		
0211	5691700000-E	1520	18" SANITARY GRAVITY SEWER	24 LF		
0212	5768000000-N	1520	SANITARY SEWER CLEAN-OUT	47 EA		
0213	5775000000-E	1525	4' DIA UTILITY MANHOLE	25 EA		
0214	5776000000-E	1525	5' DIA UTILITY MANHOLE	2 EA		
0215	5777000000-E	1525	6' DIA UTILITY MANHOLE	12 EA		
0216	5778000000-E	1525	8' DIA UTILITY MANHOLE	3 EA		
0217	5781000000-E	1525	UTILITY MANHOLE WALL, 4' DIA	51 LF		
0218	5782000000-E	1525	UTILITY MANHOLE WALL, 5' DIA	17 LF		
0219	5783000000-E	1525	UTILITY MANHOLE WALL, 6' DIA	98 LF		
0220	5784000000-E	1525	UTILITY MANHOLE WALL, 8' DIA	24 LF		
0221	5800000000-E	1530	ABANDON 6" UTILITY PIPE	336 LF		
0222	5801000000-E	1530	ABANDON 8" UTILITY PIPE	4,588 LF		
0223	5804000000-E	1530	ABANDON 12" UTILITY PIPE	6,150 LF		
0224	5813000000-E	1530	ABANDON 24" UTILITY PIPE	1,411 LF		
0225	5816000000-N	1530	ABANDON UTILITY MANHOLE	15 EA		
0226	5828000000-N	1530	REMOVE UTILITY MANHOLE	4 EA		
0227	5835700000-E	1540	16" ENCASEMENT PIPE	600 LF		
0228	5836000000-E	1540	24" ENCASEMENT PIPE	740 LF		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0229	5871900000-E	1550	TRENCHLESS INSTALLATION OF 16" IN SOIL	285 LF		
0230	5871910000-E	1550	TRENCHLESS INSTALLATION OF 16" NOT IN SOIL	285 LF		
0231	5872200000-E	1550	TRENCHLESS INSTALLATION OF 24" IN SOIL	265 LF		
0232	5872210000-E	1550	TRENCHLESS INSTALLATION OF 24" NOT IN SOIL	265 LF		
0233	5882000000-N	SP	GENERIC UTILITY ITEM 12" INSERTION VALVE ASSEMBLY	5 EA		
0234	5882000000-N	SP	GENERIC UTILITY ITEM 2" AIR RELEASE VALVE	1 EA		
0235	6000000000-E	1605	TEMPORARY SILT FENCE	25,000 LF		
0236	6006000000-E	1610	STONE FOR EROSION CONTROL, CLASS A	400 TON		
0237	6009000000-E	1610	STONE FOR EROSION CONTROL, CLASS B	70 TON		
0238	6012000000-E	1610	SEDIMENT CONTROL STONE	2,300 TON		
0239	6015000000-E	1615	TEMPORARY MULCHING	24 ACR		
0240	6018000000-E	1620	SEED FOR TEMPORARY SEEDING	1,200 LB		
0241	6021000000-E	1620	FERTILIZER FOR TEMPORARY SEED- ING	7 TON		
0242	6024000000-E	1622	TEMPORARY SLOPE DRAINS	200 LF		
0243	6029000000-E	SP	SAFETY FENCE	200 LF		
0244	6030000000-E	1630	SILT EXCAVATION	1,290 CY		
0245	6036000000-E	1631	MATTING FOR EROSION CONTROL	15,000 SY		
0246	6037000000-E	SP	COIR FIBER MAT	100 SY		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0247	6042000000-E	1632	1/4" HARDWARE CLOTH	10,000 LF		
0248	6045000000-E	SP	*** TEMPORARY PIPE (24")	400 LF		
0249	6070000000-N	1639	SPECIAL STILLING BASINS	4 EA		
0250	6071020000-E	SP	POLYACRYLAMIDE (PAM)	10 LB		
0251	6071030000-E	1640	COIR FIBER BAFFLE	225 LF		
0252	6071050000-E	SP	*** SKIMMER (2")	1 EA		
0253	6084000000-E	1660	SEEDING & MULCHING	18 ACR		
0254	6087000000-E	1660	MOWING	15 ACR		
0255	6090000000-E	1661	SEED FOR REPAIR SEEDING	250 LB		
0256	6093000000-E	1661	FERTILIZER FOR REPAIR SEEDING	0.75 TON		
0257	6096000000-E	1662	SEED FOR SUPPLEMENTAL SEEDING	375 LB		
0258	6108000000-E	1665	FERTILIZER TOPDRESSING	11.25 TON		
0259	6111000000-E	SP	IMPERVIOUS DIKE	55 LF		
0260	6114500000-N	1667	SPECIALIZED HAND MOWING	40 MHR		
0261	6117000000-N	SP	RESPONSE FOR EROSION CONTROL	50 EA		
0262	6132000000-N	SP	GENERIC EROSION CONTROL ITEM CONCRETE WASHOUT STRUCTURE	8 EA		
0263	7048500000-E	1705	PEDESTRIAN SIGNAL HEAD (16", 1 SECTION W/COUNTDOWN)	20 EA		
0264	7060000000-E	1705	SIGNAL CABLE	6,625 LF		
0265	7108000000-E	1705	VEHICLE SIGNAL HEAD (12", 1 SECTION)	4 EA		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0266	7120000000-E	1705	VEHICLE SIGNAL HEAD (12", 3 SECTION)	23 EA		
0267	7132000000-E	1705	VEHICLE SIGNAL HEAD (12", 4 SECTION)	1 EA		
0268	7144000000-E	1705	VEHICLE SIGNAL HEAD (12", 5 SECTION)	3 EA		
0269	7252000000-E	1710	MESSENGER CABLE (1/4")	500 LF		
0270	7279000000-E	1715	TRACER WIRE	1,800 LF		
0271	7288000000-E	1715	PAVED TRENCHING (*****) (1, 2")	25 LF		
0272	7300000000-E	1715	UNPAVED TRENCHING (*****) (1, 2")	800 LF		
0273	7300000000-E	1715	UNPAVED TRENCHING (*****) (2, 2")	225 LF		
0274	7300100000-E	1715	UNPAVED TRENCHING FOR TEMP- ORARY LEAD-IN	350 LF		
0275	7301000000-E	1715	DIRECTIONAL DRILL (*****) (1, 2")	675 LF		
0276	7301000000-E	1715	DIRECTIONAL DRILL (*****) (2, 2")	1,725 LF		
0277	7301000000-E	1715	DIRECTIONAL DRILL (*****) (3, 2")	50 LF		
0278	7324000000-N	1716	JUNCTION BOX (STANDARD SIZE)	31 EA		
0279	7348000000-N	1716	JUNCTION BOX (OVER-SIZED, HEA- VY DUTY)	8 EA		
0280	7360000000-N	1720	WOOD POLE	2 EA		
0281	7372000000-N	1721	GUY ASSEMBLY	5 EA		
0282	7430000000-N	1722	HEAT SHRINK TUBING RETROFIT KIT	1 EA		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0283	7432000000-E	1722	2" RISER WITH HEAT SHRINK TUBING	4 EA		
0284	7444000000-E	1725	INDUCTIVE LOOP SAWCUT	4,025 LF		
0285	7456000000-E	1726	LEAD-IN CABLE (***** (14-2)	5,425 LF		
0286	7516000000-E	1730	COMMUNICATIONS CABLE (**FIBER) (12)	1,200 LF		
0287	7516000000-E	1730	COMMUNICATIONS CABLE (**FIBER) (48)	2,100 LF		
0288	7540000000-N	1731	SPLICE ENCLOSURE	3 EA		
0289	7541000000-N	1731	MODIFY SPLICE ENCLOSURE	3 EA		
0290	7552000000-N	1731	INTERCONNECT CENTER	3 EA		
0291	7566000000-N	1733	DELINEATOR MARKER	5 EA		
0292	7575160000-E	1734	REMOVE EXISTING COMMUNICATIONS CABLE	1,400 LF		
0293	7575180000-N	1735	CABLE TRANSFER	1 EA		
0294	7588000000-N	SP	METAL POLE WITH SINGLE MAST ARM	5 EA		
0295	7590000000-N	SP	METAL POLE WITH DUAL MAST ARM	3 EA		
0296	7613000000-N	SP	SOIL TEST	8 EA		
0297	7614100000-E	SP	DRILLED PIER FOUNDATION	48 CY		
0298	7631000000-N	SP	MAST ARM WITH METAL POLE DE- SIGN	8 EA		
0299	7636000000-N	1745	SIGN FOR SIGNALS	12 EA		
0300	7642100000-N	1743	TYPE I POST WITH FOUNDATION	1 EA		
0301	7642200000-N	1743	TYPE II PEDESTAL WITH FOUND- ATION	14 EA		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0302	7642300000-N	1743	TYPE III PEDESTAL WITH FOUNDATION	2 EA		
0303	7648000000-N	1746	RELOCATE EXISTING SIGN	4 EA		
0304	7684000000-N	1750	SIGNAL CABINET FOUNDATION	3 EA		
0305	7756000000-N	1751	CONTROLLER WITH CABINET (TYPE 2070L, BASE MOUNTED)	3 EA		
0306	7780000000-N	1751	DETECTOR CARD (TYPE 2070L)	14 EA		
0307	7901000000-N	1753	CABINET BASE EXTENDER	3 EA		
0308	7960000000-N	SP	METAL POLE FOUNDATION REMOVAL	3 EA		
0309	7972000000-N	SP	METAL POLE REMOVAL	3 EA		
0310	7980000000-N	SP	GENERIC SIGNAL ITEM 900MHZ SPREAD SPECTRUM ETHERNET RADIO	2 EA		
0311	7980000000-N	SP	GENERIC SIGNAL ITEM ETHRNET EDGE SWITCH	3 EA		
0312	7980000000-N	SP	GENERIC SIGNAL ITEM RELOCATE FLASHER CABINET/SOLAR ASSEMBLY/RADIO ASSEMBLY	1 EA		
0355	2190000000-N	828	TEMPORARY STEEL PLATE COVERS FOR MASONRY DRAINAGE STRUCTURE	25 EA		
0356	2542000000-E	846	1'-6" CONCRETE CURB & GUTTER	592 LF		
0357	2738000000-E	SP	GENERIC PAVING ITEM CONCRETE PAVER SIDEWALK	391 SY		
0358	2738000000-E	SP	GENERIC PAVING ITEM CONCRETE PAVER MEDIAN ISLAND	297 SY		
0359	2738000000-E	SP	GENERIC PAVING ITEM CONCRETE SIDEWALK (CAPITAL CITY GRID)	2,645 SY		
0360	3575000000-E	SP	GENERIC FENCING ITEM ORNAMENTAL FENCE	54 LF		

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0361	6645000000-N	SP	GENERIC PLANTING ITEM TREE WELL SYSTEM	31 EA		
0362	0000910000-N	SP	GENERIC MISCELLANEOUS ITEM EXPLORATORY EXCAVATION - STANDARD	600 HR		
0363	0000910000-N	SP	GENERIC MISCELLANEOUS ITEM EXPLORATORY EXCAVATION - VACUUM	150 HR		
0364	5120000000-N	1407	ELECTRIC SERVICE POLE **** ***** (30', CLASS 4)	3 EA		
0365	5125000000-E	1407	ELECTRIC SERVICE LATERAL ***** (3, #1/0 USE)	45 LF		
0366	5270000000-N	SP	GENERIC LIGHTING ITEM LIGHT CONTROL SYSTEM, TYPE RW, 120/240V	3 EA		
0367	5155000000-E	1409	ELECTRICAL DUCT, TYPE BD, SIZE ***** (2")	370 LF		
0368	5160000000-E	1409	ELECTRICAL DUCT, TYPE JA, SIZE ***** (4")	150 LF		
0369	5170000000-E	1410	** #8 W/G FEEDER CIRCUIT (2)	320 LF		
0370	5205000000-E	1410	** #8 W/G FEEDER CIRCUIT IN ***** CONDUIT (2, 1-1/2")	2,930 LF		
0371	5270000000-N	SP	GENERIC LIGHTING ITEM ELECTRICAL JUNCTION BOXES TYPE PC18	2 EA		
0372	5270000000-N	SP	GENERIC LIGHTING ITEM ELECTRICAL JUNCTION BOXES TYPE PC30	2 EA		
0373	5252000000-N	1412	UNDERPASS LUMINARIES ***** (TYPE WM)	8 EA		
0374	5260000000-N	SP	GENERIC LIGHTING ITEM ELECTRICAL CONDUIT SYSTEM AT PEACE ST	Lump Sum	L.S.	

County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0375	5270000000-N	SP	GENERIC LIGHTING ITEM SPOTLIGHT LUMINAIRE	8 EA		
0376	5270000000-N	SP	GENERIC LIGHTING ITEM AESTHETIC LIGHTING LUMINAIRE	169 EA		
0377	5260000000-N	SP	GENERIC LIGHTING ITEM AESTHETIC LIGHTING SYSTEM AT BRIDGE OVER PEACE ST	Lump Sum	L.S.	
0378	5260000000-N	SP	GENERIC LIGHTING ITEM AESTHETIC LIGHTING SYSTEM AT WADE AVE FLYOVER	Lump Sum	L.S.	
CULVERT ITEMS						
0313	8056000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (15+13.11-Y1-)	Lump Sum	L.S.	
0314	8126000000-N	414	CULVERT EXCAVATION, STA ***** (15+13.11-Y1-)	Lump Sum	L.S.	
0315	8133000000-E	414	FOUNDATION CONDITIONING MATER- IAL, BOX CULVERT	258 TON		
0316	8196000000-E	420	CLASS A CONCRETE (CULVERT)	331.2 CY		
0317	8245000000-E	425	REINFORCING STEEL (CULVERT)	49,779 LB		
WALL ITEMS						
0318	8801000000-E	SP	MSE RETAINING WALL NO **** (2)	4,230 SF		
0319	8801000000-E	SP	MSE RETAINING WALL NO **** (3)	4,150 SF		
0320	8801000000-E	SP	MSE RETAINING WALL NO **** (4)	3,305 SF		

County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
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0321	8801000000-E	SP	MSE RETAINING WALL NO **** (5)	2,535	SF	
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***** BEGIN SCHEDULE IA *****
***** (2 ALTERNATES) *****

0322	8801000000-E	SP	MSE RETAINING WALL NO **** (1)	3,910	SF	
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IA1

*** OR ***

0323	8802014000-E	SP	SOLDIER PILE RETAINING WALLS	3,595	SF	
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IA2

***** END SCHEDULE IA *****

STRUCTURE ITEMS

0324	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (20+19.94 -FLYOVER-)	Lump Sum	L.S.	
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0325	8035000000-N	402	REMOVAL OF EXISTING STRUCTURE AT STATION ***** (22+06.91-L-)	Lump Sum	L.S.	
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0326	8096000000-E	450	PILE EXCAVATION IN SOIL	191	LF	
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0327	8097000000-E	450	PILE EXCAVATION NOT IN SOIL	76	LF	
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0328	8105540000-E	411	3'-6" DIA DRILLED PIERS IN SOIL	112	LF	
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0329	8105640000-E	411	3'-6" DIA DRILLED PIERS NOT IN SOIL	70	LF	
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0330	8112730000-N	450	PDA TESTING	2	EA	
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0331	8113000000-N	411	SID INSPECTIONS	2	EA	
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0332	8115000000-N	411	CSL TESTING	2	EA	
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0333	8147000000-E	420	REINFORCED CONCRETE DECK SLAB	14,218	SF	
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0334	8154000000-E	420	REINFORCED CONCRETE DECK SLAB (SAND LIGHTWEIGHT CONC)	16,350	SF	
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County: Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0335	8161000000-E	420	GROOVING BRIDGE FLOORS	31,190 SF		
0336	8182000000-E	420	CLASS A CONCRETE (BRIDGE)	441.5 CY		
0337	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (20+19.94-FLYOVER-)	Lump Sum	L.S.	
0338	8210000000-N	422	BRIDGE APPROACH SLABS, STATION ***** (22+06.91-L-)	Lump Sum	L.S.	
0339	8217000000-E	425	REINFORCING STEEL (BRIDGE)	68,480 LB		
0340	8238000000-E	425	SPIRAL COLUMN REINFORCING STEEL (BRIDGE)	6,384 LB		
0341	8277000000-E	430	MODIFIED 72" PRESTRESSED CONC GIRDERS	1,840.71 LF		
0342	8280000000-E	440	APPROX LBS STRUCTURAL STEEL	652,000 LS		
0343	8364000000-E	450	HP12X53 STEEL PILES	2,135 LF		
0344	8391000000-N	450	STEEL PILE POINTS	50 EA		
0345	8517000000-E	460	1'***X ***** CONCRETE PARA- PET (1'-4" X 3'-6")	182.71 LF		
0346	8522000000-E	460	GENERIC STRUCTURE ITEM DECORATIVE CONCRETE PARAPET	775.24 LF		
0347	8531000000-E	462	4" SLOPE PROTECTION	210 SY		
0348	8654000000-N	SP	DISC BEARINGS	Lump Sum	L.S.	
0349	8657000000-N	430	ELASTOMERIC BEARINGS	Lump Sum	L.S.	
0350	8706000000-N	SP	EXPANSION JOINT SEALS	Lump Sum	L.S.	
0351	8860000000-N	SP	GENERIC STRUCTURE ITEM APPLICATION OF BRIDGE COATING	Lump Sum	L.S.	
0352	8860000000-N	SP	GENERIC STRUCTURE ITEM ASBESTOS ASSESSMENT	Lump Sum	L.S.	

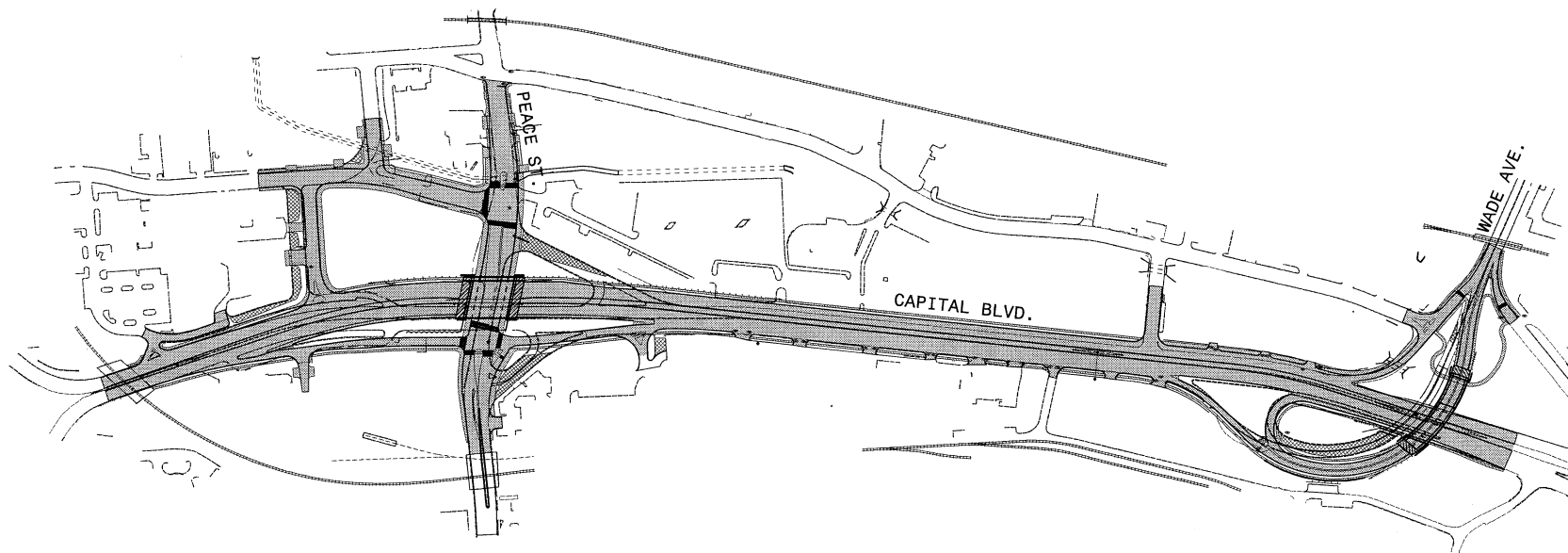
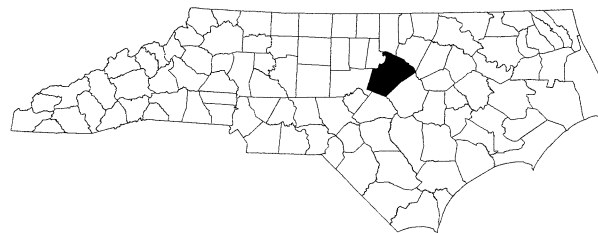
County : Wake

Line #	Item Number	Sec #	Description	Quantity	Unit Cost	Amount
0353	8867000000-E	SP	GENERIC STRUCTURE ITEM CONC PARAPET WITH MOMENT SLAB	367.62 LF		
0354	8892000000-E	SP	GENERIC STRUCTURE ITEM PRECAST CONCRETE PANELS	383 SF		
0379	8867000000-E	SP	GENERIC STRUCTURE ITEM ARCHITECTURAL METAL FASCIA	718.75 LF		
1121/Jul05/Q1667042.793/D1723556204000/E378			Total Amount Of Bid For Entire Project :			

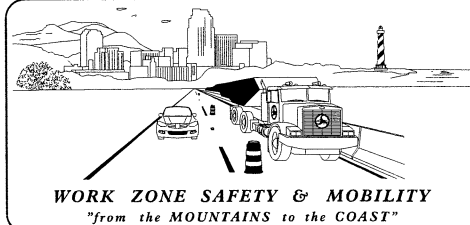
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

TRANSPORTATION MANAGEMENT PLAN

WAKE COUNTY

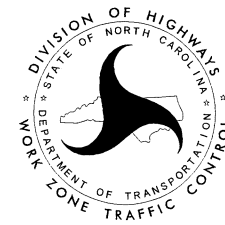


LOCATION: BRIDGE #227 ON US 70/US 401/NC 50 OVER PEACE STREET
AND
BRIDGE #213 ON US 70/NC 50 OVER US 401



N.C.D.O.T. WORK ZONE TRAFFIC CONTROL
1561 MAIL SERVICE CENTER (MSC) RALEIGH, NC 27699-1561
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ALLEN HAYES, E.I. TRAFFIC CONTROL DESIGN ENGINEER



INDEX OF SHEETS

SHEET NO.	TITLE
TMP-1	TITLE SHEET, VICINITY MAP AND INDEX OF SHEETS
TMP-1A	ROADWAY STANDARD DRAWINGS, LEGEND, AND PAVEMENT MARKING SCHEDULE
TMP-1B THRU TMP-1D	GENERAL NOTES AND LOCAL NOTES
TMP-2	PORTABLE CONCRETE BARRIER AT TEMPORARY SHORING LOCATIONS
TMP-2A & TMP-2A1	TEMPORARY SHORING NOTES
TMP-2B THRU TMP-2F	SPECIAL SIGN DESIGNS
TMP-3	PROJECT AREA OVERVIEW
TMP-4 THRU TMP-4C	AREA I - PHASING
TMP-5 THRU TMP-10	AREA I - PHASE I TEMPORARY TRAFFIC CONTROL DETAILS
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TMP-19 TMP-22D	AREA II - PHASE I TEMPORARY TRAFFIC CONTROL
TMP-23 THRU TMP-26	AREA II - PHASE II TEMPORARY TRAFFIC CONTROL
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TMP-30 THRU TMP-36	AREA II - PHASE IV TEMPORARY TRAFFIC CONTROL
TMP-37 THRU TMP-45	AREA II - PHASE V TEMPORARY TRAFFIC CONTROL
TMP-46 THRU TMP-46F	AREA II - TEMPORARY OFF-SITE DETOUR DETAILS

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PLAN PREPARED FOR NCDOT BY:

EDDIE WETHERILL, P.E. PROJECT ENGINEER

JESSE GILSTRAP TRAFFIC CONTROL ENGINEER

CHARLES MULLEN TRAFFIC CONTROL SPECIALIST

SCOTT KENNEDY TRAFFIC CONTROL ENGINEER

APPROVED: _____
DATE: _____

SEAL

SHEET NO. TMP-1

TIP PROJECT: B-5121 / B-5317

6/14/2016 P:\2014\B-5121-B-5317-TrafficControl\Top\Current TMP Files\LANE'S CURRENT\Peace St\B5121-B5317-TC-TMP_Peace_pshldgn User:skennedy

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA I, PHASE I, STEP 3B FROM 9:00 PM FRIDAY TO 6:00 AM MONDAY. REPEAT WEEKEND ROAD/LANE CLOSURES AS DIRECTED BY THE ENGINEER TO COMPLETE AREA I, PHASE I, STEP 3B (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

CONTRACTOR SHALL WORK IN A CONTINUOUS MANNER TO COMPLETE THE WORK IN AREA I, PHASE I, STEPS 4B1 THRU 4B3 IN 21 CONSECUTIVE DAYS (SEE INTERMEDIATE CONTRACT TIME AND SPECIAL PROVISIONS).

- B. - USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 7 OF 9 AND TMP SHEETS AS NOTED TO CLOSE SOUTHBOUND CAPITAL BLVD. (-L-) FOR REMOVAL & REPLACEMENT OF EXISTING PAVEMENT ON SOUTHBOUND CAPITAL BLVD. (-L-) AS FOLLOWS:
- CLOSE SOUTHBOUND CAPITAL BLVD. (-L-) USING OFF-SITE DETOUR ON SHEET TMP-17A AND REPLACE EXISTING SOUTHBOUND CAPITAL BLVD. (-L-) PAVEMENT FROM STA. 47+50 +/- -L- TO STA. 53+06 +/- -L- (END OF PROJECT) (SEE ROADWAY PLANS).
 - CLOSE SOUTHBOUND CAPITAL BLVD. (-L-) USING OFF-SITE DETOUR ON SHEET TMP-17C AND REPLACE EXISTING SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 26+00 +/- -L- TO STA. 41+50 +/- -L- (SEE ROADWAY PLANS).
 - CLOSE SOUTHBOUND CAPITAL BLVD. (-L-) USING OFF-SITE DETOUR ON SHEET TMP-17D AND REPLACE EXISTING SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 10+21 +/- -L- (BEGINNING OF PROJECT) TO STA. 19+25 +/- -L- (SEE ROADWAY PLANS).
 - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEET 3 OF 15, AND SHEETS TMP-9 & TMP-17B, REMOVE & REPLACE EXISTING PAVEMENT ON SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 41+50 +/- -L- TO STA. 47+50 +/- -L- (SEE ROADWAY PLANS).

STEP 4B: - CONTRACTOR MAY CONSTRUCT PROPOSED DORTCH ST. (-Y8-) AT HIS DISCRETION, WITH THE APPROVAL OF THE ENGINEER, AS FOLLOWS:

1. USING ROADWAY STANDARD DRAWING NO. 1101.03, SHEET 2 OF 9 AND SHEET TMP-17H, CLOSE DORTCH ST. (-Y8-) TO TRAFFIC. INSTALL TYPE III BARRICADES AND DRUMS TO CLOSE DRIVEWAY ACCESS FROM PARCEL NO. 24 TO DORTCH ST.
2. CONSTRUCT PROPOSED DORTCH ST. (-Y8-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE (SEE ROADWAY PLANS AND SHEET TMP-6).
3. PLACE TEMPORARY PAVEMENT MARKINGS/MARKERS IN THE FINAL TRAFFIC PATTERN AND OPEN TO TRAFFIC (SEE FINAL PAVEMENT MARKING PLANS).

PHASE II

CONTRACTOR MAY WORK AREA I, PHASE II, STEPS 1 AND 2 SIMULTANEOUSLY.

CONTRACTOR MAY WORK AREA I, PHASE I, STEPS 4A AND 4B SIMULTANEOUSLY.

STEP 4A: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2, 3, 8, 9 & 10 OF 15:

- STEP 1: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8, 9 & 10 OF 15:
- A. REDUCE ALL LANES OF NORTHBOUND CAPITAL BLVD. TO 10', REVISED EXISTING AUXILIARY TO AN ACCELERATION LANE AND SHIFT NORTHBOUND CAPITAL BLVD. (-L-) TRAFFIC TO THE TEMPORARY TRAFFIC PATTERN AS SHOWN ON SHEETS TMP-10A, TMP-10B, TMP-10C & TMP-11.
 - B. INSTALL PORTABLE CONCRETE BARRIER ALONG THE INSIDE LANE OF NORTHBOUND CAPITAL BLVD. (-L-) AS SHOWN ON SHEET TMP-11.

- BEGIN TRENCHLESS INSTALLATION OF PROPOSED DRAINAGE UNDER ROADWAY PLANS).
- BEGIN CONSTRUCTION OF PROPOSED WIDENING OF SOUTHBOUND CAPITAL BLVD. (-L-) FROM STA. 28+50 +/- -L- TO STA. 41+50 +/- -L- AND STA. 41+50 +/- -L- TO STA. 47+50 +/- -L- (SEE CONSTRUCTION PLANS AND SHEETS TMP-5 & TMP-6).

- STEP 2: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 3, 8 & 9 & 10 OF 15:
- A. REDUCE ALL LANES OF SOUTHBOUND CAPITAL BLVD. TO 10' AND SHIFT SOUTHBOUND CAPITAL BLVD. (-L-) TO THE OUTSIDE AS SHOWN ON SHEET TMP-11.
 - B. INSTALL PORTABLE CONCRETE BARRIER ALONG THE INSIDE LANE OF SOUTHBOUND CAPITAL BLVD. (-L-) AS SHOWN ON SHEET TMP-11.

NOTE: PROPOSED SOUTHBOUND CAPITAL BLVD. (-L-) WIDENING FROM STA. 28+50 +/- -L- TO STA. 41+50 (NOT INCLUDING PROPOSED SIDEWALKS) SHALL BE COMPLETED PRIOR TO AREA II, PHASE III, STEP 4.

NOTE: CLOSE EXISTING SIDEWALKS AND PEDESTRIAN ACCESS ALONG SOUTHBOUND CAPITAL BLVD. (-L-) AND EXISTING ON-RAMP TO SOUTHBOUND CAPITAL BLVD. (-L-) (SEE SHEET TMP-6).

- STEP 3: - USING ROADWAY STANDARD DRAWING NO. 1101.02, SHEETS 1, 2, 3, 8, 9 & 10 OF 15:
- CONSTRUCT PROPOSED WADE AVE. -FLYOVER- & APPROACHES UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 19+40 +/- -FLYOVER- TO STA. STA. 20+70 +/- -FLYOVER- (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEET TMP-11).
 - NOTE: FOR GIRDER INSTALLATION UTILIZE OFF-SITE DETOURS ON SHEET TMP-17A TO CLOSE SOUTHBOUND CAPITAL BLVD. (-L-), SHEET TMP-17F TO CLOSE EXISTING ON-LOOP FROM WADE AVE., SHEET TMP-17G TO CLOSE NORTHBOUND CAPITAL BLVD. (-L-) AND GENERAL NOTE "C" ON TMP-1B FOR TIME RESTRICTIONS.

- BEGIN CONSTRUCTION OF PROPOSED OFF-RAMP -Y2RPA-, PROPOSED ON-RAMP -Y2RPB- AND PROPOSED N. WEST ST. (-Y9-) UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE (SEE ROADWAY PLANS AND SHEET TMP-6).
- CLOSE EXISTING SIDEWALK ALONG EXISTING ON-LOOP ACCELERATION LANE TO NORTHBOUND CAPITAL BLVD. (-L-), INSTALL WATER FILLED BARRIER AND BEGIN CONSTRUCTION OF PROPOSED -FLYOVER-, END BENTS & APPROACHES UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 15+20 +/- -FLYOVER- TO STA. 19+40 +/- -FLYOVER- (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEET TMP-6).

- COMPLETE CONSTRUCTION OF PROPOSED WADE AVE. -FLYOVER- FROM STA. 15+20 +/- -FLYOVER- TO STA. STA. 19+40 +/- -FLYOVER- & STA. 20+70 +/- -FLYOVER- TO STA. 22+90 +/- -FLYOVER- AND UP TO THE EDGE & ELEVATION OF EXISTING FROM STA. 22+90 +/- -FLYOVER- TO STA. 24+80 +/- -FLYOVER- BEGUN IN AREA I, PHASE I, STEP 4.
- COMPLETE CONSTRUCTION OF PROPOSED CURB & GUTTER ALONG NORTHBOUND CAPITAL BLVD. (-L-) FROM STA. 30+00 +/- -L- TO STA. 41+50 +/- -L- BEGUN IN AREA I, PHASE I, STEP 1D.

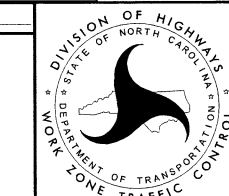
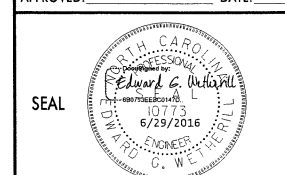
- PAVE THE AREA BETWEEN EXISTING SIDEWALK AND EXISTING CURB & GUTTER ALONG THE OUTSIDE LANE OF SOUTHBOUND CAPITAL BLVD. (-L-) WITH ASPHALT, INSTALL WATER FILLED BARRIER AND BEGIN CONSTRUCTION OF PROPOSED GREENWAY (GI), PROPOSED FLYOVER, END BENTS & APPROACHES UP TO, BUT NOT INCLUDING THE FINAL LAYER OF SURFACE COURSE FROM STA. 20+70 +/- -FLYOVER- TO STA. 22+90 +/- -FLYOVER- AND UP TO THE EDGE AND ELEVATION OF EXISTING FROM STA. 22+90 +/- -FLYOVER- TO STA. 24+80 +/- -FLYOVER- (SEE ROADWAY PLANS, STRUCTURE PLANS AND SHEET TMP-6).



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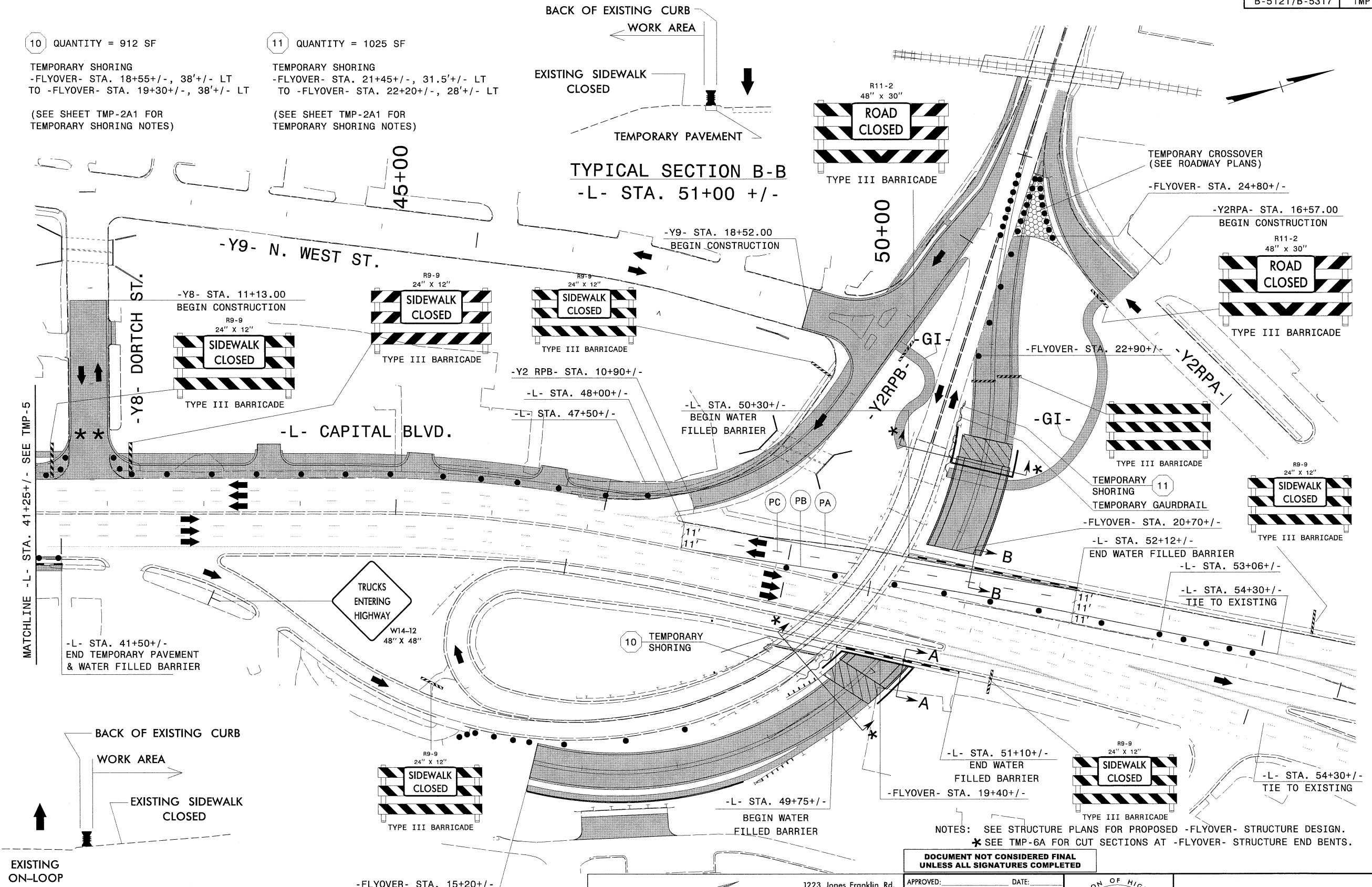


AREA I PHASING

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10 QUANTITY = 912 SF
 TEMPORARY SHORING
 -FLYOVER- STA. 18+55+/-, 38'+/- LT
 TO -FLYOVER- STA. 19+30+/-, 38'+/- LT
 (SEE SHEET TMP-2A1 FOR
 TEMPORARY SHORING NOTES)

11 QUANTITY = 1025 SF
 TEMPORARY SHORING
 -FLYOVER- STA. 21+45+/-, 31.5'+/- LT
 TO -FLYOVER- STA. 22+20+/-, 28'+/- LT
 (SEE SHEET TMP-2A1 FOR
 TEMPORARY SHORING NOTES)



TYPICAL SECTION A-A
 -L- STA. 50+50 +/-

** SEE AREA I, PHASE I, STEP 4B ON SHEET TMP-4A
 FOR CONSTRUCTION OF PROPOSED DORTCH ST. (-Y8-).

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Edward G. McNeill
 10773
 6/20/2016
 ENGINEER
 G. WETHERILL

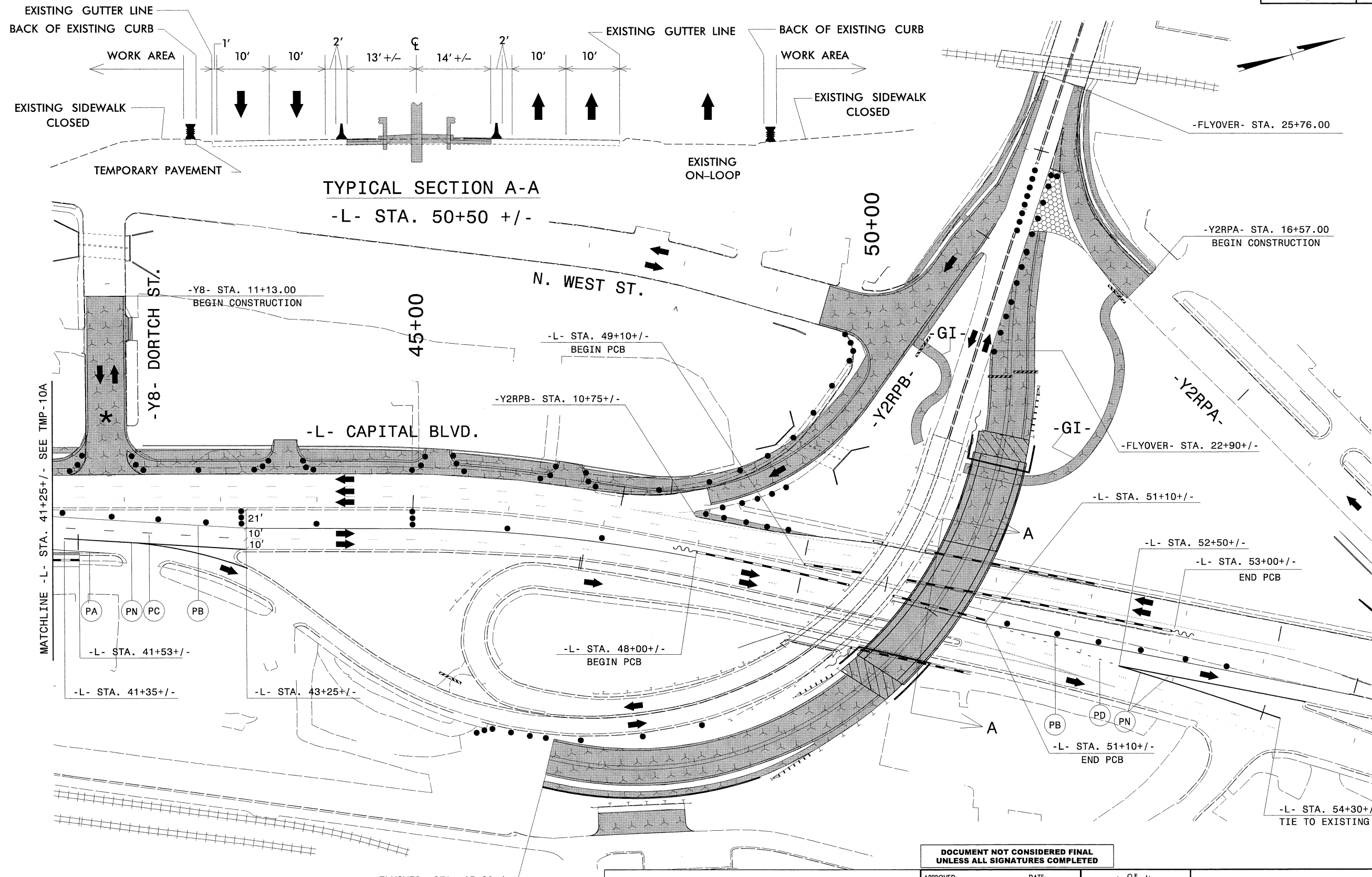
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 DEPARTMENT OF TRANSPORTATION
 WORK ZONE TRAFFIC CONTROL

**AREA I - PHASE I
 TEMPORARY TRAFFIC
 CONTROL DETAIL**

NOTES: SEE STRUCTURE PLANS FOR PROPOSED -FLYOVER- STRUCTURE DESIGN.
 * SEE TMP-6A FOR CUT SECTIONS AT -FLYOVER- STRUCTURE END BENTS.

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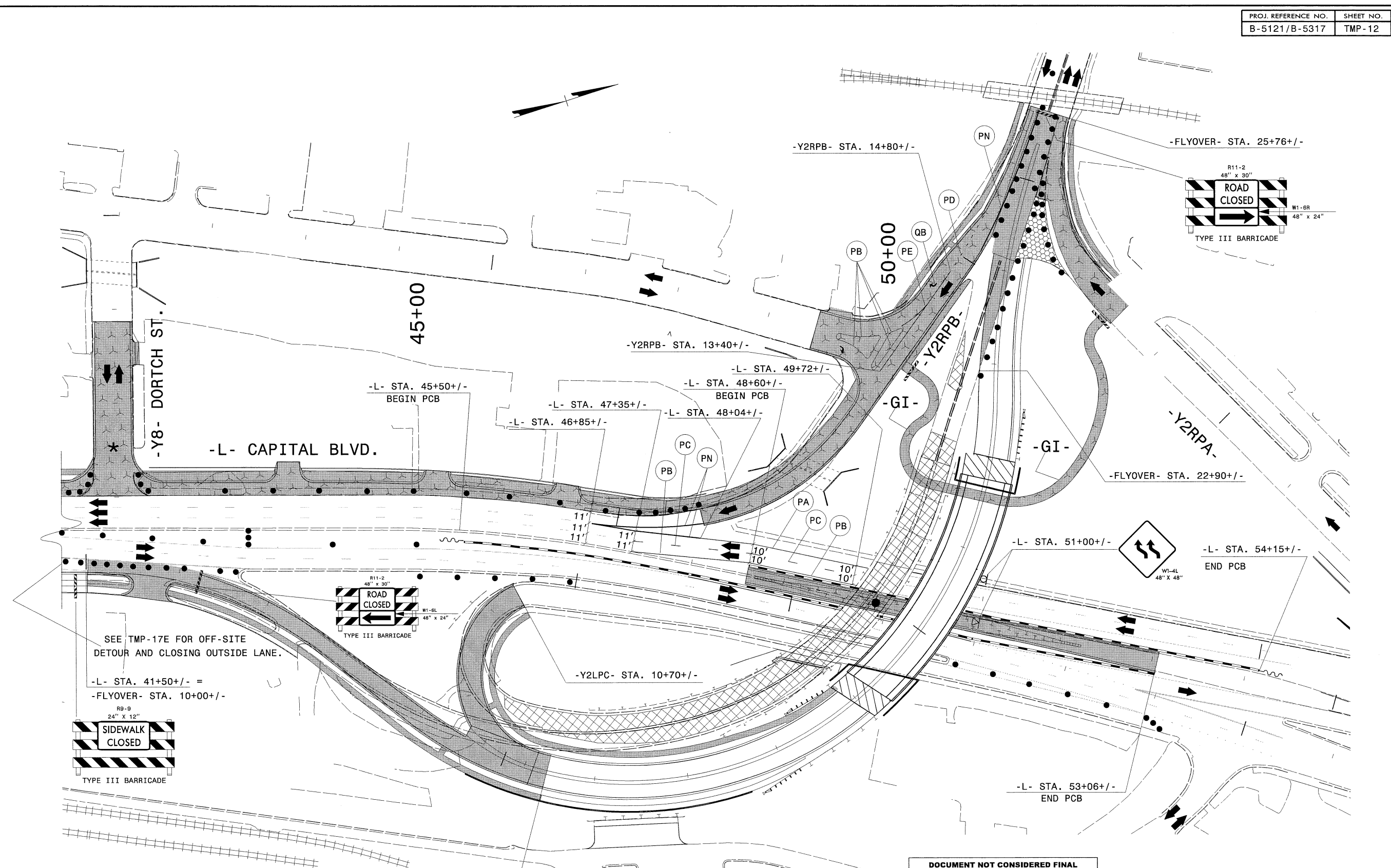
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**AREA I - PHASE II
TEMPORARY TRAFFIC
CONTROL DETAIL**

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SEE TMP-17E FOR OFF-SITE DETOUR AND CLOSING OUTSIDE LANE.

-L- STA. 41+50+/- =
-FLYOVER- STA. 10+00+/-



* SEE AREA I, PHASE I, STEP 4B ON SHEET TMP-4A FOR CONSTRUCTION OF PROPOSED DORTCH ST. (-Y8-).

-FLYOVER- STA. 15+20+/-

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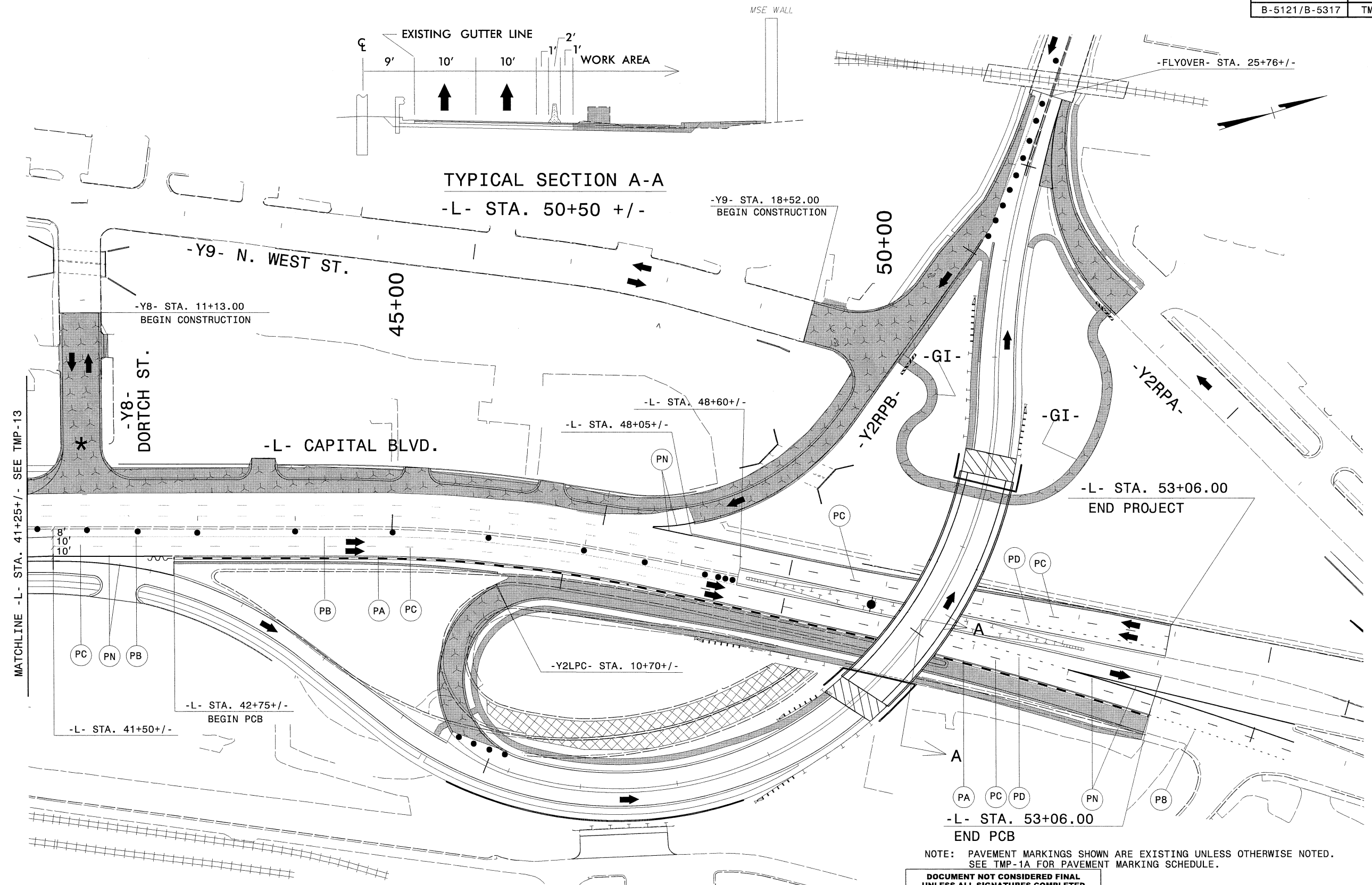
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AREA I - PHASE III
TEMPORARY TRAFFIC
CONTROL DETAIL

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* SEE AREA I, PHASE I, STEP 4B ON SHEET TMP-4A FOR CONSTRUCTION OF PROPOSED DORTCH ST. (-Y8-).

NOTE: PAVEMENT MARKINGS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED. SEE TMP-1A FOR PAVEMENT MARKING SCHEDULE.

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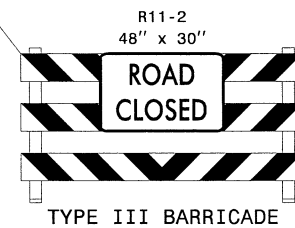
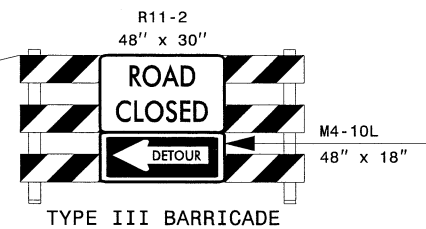
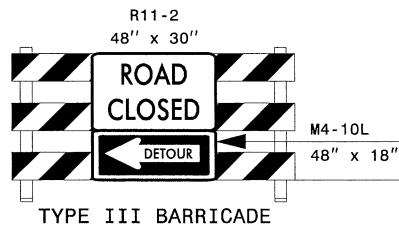
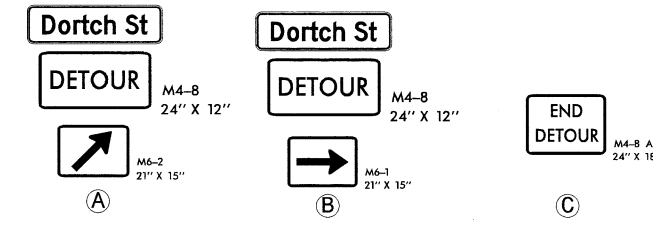
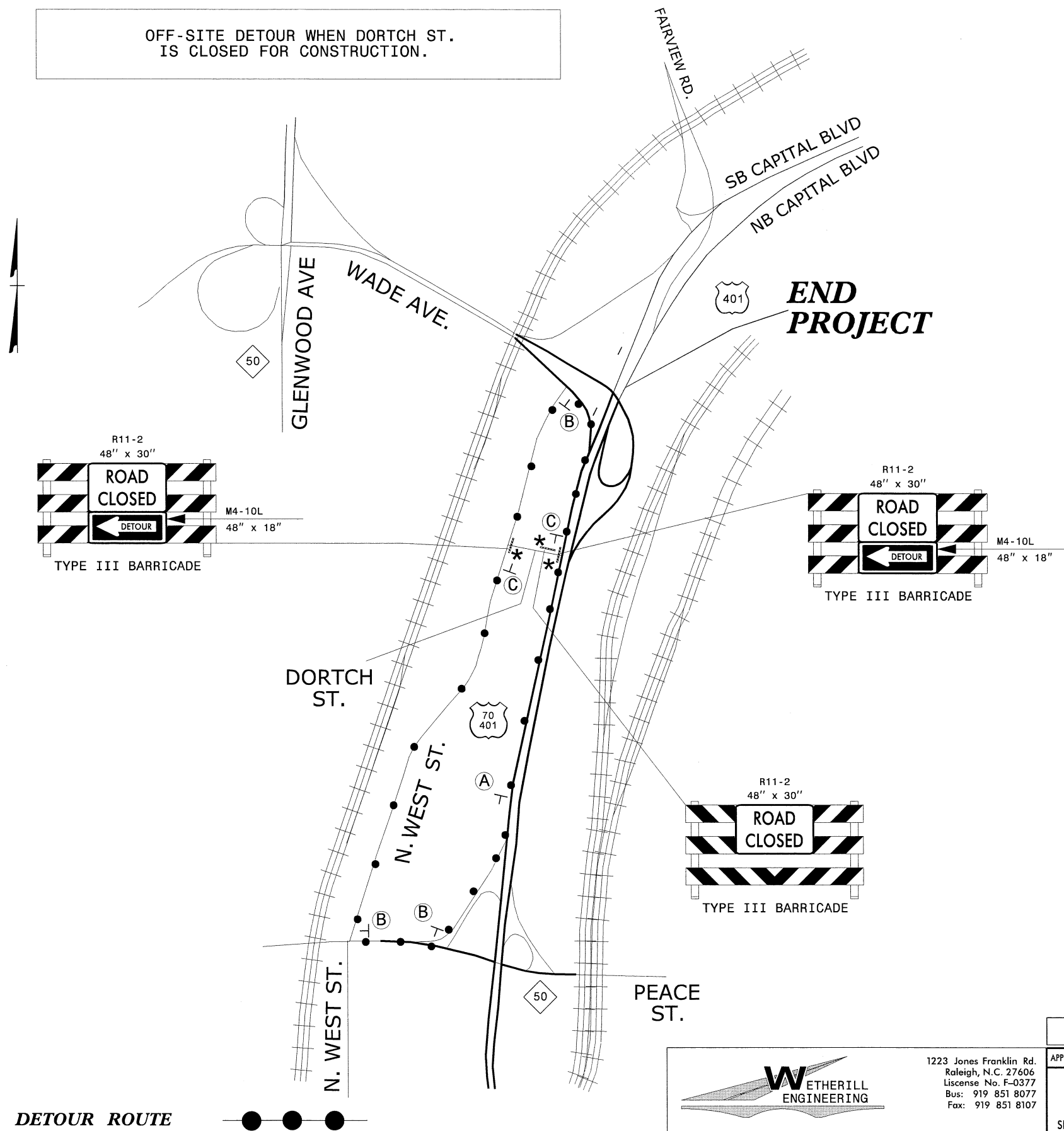
AREA I - PHASE III

TEMPORARY TRAFFIC CONTROL DETAIL

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OFF-SITE DETOUR WHEN DORTCH ST. IS CLOSED FOR CONSTRUCTION.

DETOUR SIGNING



* SEE RSD 1101.03, SHEET 2 OF 9, FOR TYPE III BARRICADE LOCATIONS WITH ATTACHED SIGNING & ADDITIONAL SIGNING FOR ROAD CLOSURE. USE DRUMS AND TYPE III BARRICADE TO CLOSE DRIVEWAY ACCESS FROM PARCEL NO. 24 TO DORTCH ST.

DETOUR ROUTE



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