TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2015	BH-I-40-4(86)	2B

REV. 02/12/15:
REVISED FOOTNOTE NO. 3.

REV. 02/19/15:
REVISED FOOTNOTE NO. 7 WITH UPDATED QUANTITIES.

ESTIMATED ROADWAY QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
	716-01.23	Snwplwble Pvmt Mrkrs (Bi-Dir)(2 Color)	EACH	170
	716-01.30	REMOVAL OF SNOWPLOWABLE REFLECTIVE MARKER	EACH	170
	716-02.04	PLASTIC PAVEMENT MARKING(CHANNELIZATION STRIPING)	S.Y.	219
	716-02.05	PLASTIC PAVEMENT MARKING (STOP LINE)	L.F.	97
	716-02.06	PLASTIC PAVEMENT MARKING (TURN LANE ARROW)	EACH	8
	716-02.09	PLASTIC PAVEMENT MARKING (LONGITUDINAL CROSS-WALK)	L.F.	130
	716-04.07	PLASTIC PAVEMENT MARKING (EXIT ONLY ARROW)	EACH	3
	716-04.01	PLASTIC PAVEMENT MARKING (STRAIGHT-TURN ARROW)	EACH	2
	716-04.13	PLASTIC PAVEMENT MARKING (BIKELANE SYMBOL & ARROW)	EACH	3
	716-04.15	PLASTIC PAVEMENT MARKING BIKE SYMBOL / ARROW SHARED)	EACH	4
	716-05.01	PAINTED PAVEMENT MARKING (4" LINE)	L.M.	1
	716-05.02	PAINTED PAVEMENT MARKING (8" BARRIER LINE)	L.F.	14235
	716-05.20	PAINTED PAVEMENT MARKING (6" LINE)	L.M.	5
	716-08.04	REMOVAL OF PAVEMENT MARKING (CHANNELIZATION STRIPING)	S.Y.	219
	716-08.20	REMOVAL OF PAVEMENT MARKING (LINE)	L.M.	2
	716-10.30	TRUNCATED DOME DETECTABLE WARNING MAT	S.F.	56
	716-12.02	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN LINE)	L.M.	3
	716-12.05	ENHANCED FLATLINE THERMO PVMT MRKNG (6IN DOTTED LINE)	L.F.	2390
	716-12.06	ENHANCED FLATLINE THERMO PVMT MRKNG (8IN LINE)	L.F.	2461
	716-12.09	ENHANCED FLATLINE THERMO PVMT MRKNG (12IN LINE)	L.F.	1016
	716-13.01	SPRAY THERMO PVMT MRKNG (60 mil) (4IN LINE)	L.M.	1
	716-13.02	SPRAY THERMO PVMT MRKNG (60 mil) (6IN LINE)	L.M.	1
	717-01	MOBILIZATION	LS	1
	725-20.05	CCTV POLE REMOVAL	EACH	1
	725-20.43	PULL BOX (TYPE C)	EACH	1
	725-20.44	PULL BOX (TYPE D)	EACH	5
16	725-20.94	CCTV CAMERA SYSTEM (RE-INSTALL EXISTING CAMERA POLE)	EACH	1
9	725-20.95	CCTV CAMERA SYSTEM (HD CAMERA W/ LOWERING DEVICE)	EACH	1
	725-21.21	TERMINAL SERVER	EACH	1
	725-21.73	TRANSFORMER (24VOLT FOR HD RDS)	EACH	1
	725-21.92	RADAR DETECTION SYSTEM (HD)	EACH	1
	725-21.96	RDS COMM CABLE	L.F.	160
	725-22.24	CONDUIT BANK (TYPE 4)	L.F.	175
18	725-22.25	CONDUIT BANK (VERIFICATION AND CLEANING)	L.F.	8000
	725-22.64	STRUCTURE CONDUIT BANK (TYPE 4)	L.F.	1265
	725-22.71	2IN CONDUIT	L.F.	110
	725-23.01	ITS CABLE MARKER	EACH	11
20	725-23.10	FIBER OPTIC CABLE (72 F)	L.F.	2230
	725-23.22	FIBER OPTIC DROP CABLE (6 F)	L.F.	450
	725-23.25	FIBER OPTIC CLOSURE (72 F)	EACH	1
	725-23.26	FIBER OPTIC CLOSURE (12 F)	EACH	1
	725-23.28	FIBER OPTIC SPLICE FUSION	EACH	80
	725-23.31	FIBER OPTIC DROP PANEL (12 F)	EACH	1
	725-24.01	CABINET (TYPE A)	EACH	1
19	725-24.51	SYSTEM INTEGRATION	LS	1
	725-24.55	AS-BUILT PLANS	LS	1
	730-13.11	VEHICLE DETECTOR (REMOVE VDS POLE)	EACH	2
	740-10.03	GEOTEXTILE (TYPE III)(EROSION CONTROL)	S.Y.	1410
22	801-01	SEEDING (WITH MULCH)	UNIT	174
22	801-02	SEEDING (WITHOUT MULCH)	UNIT	148
	801-03	WATER (SEEDING & SODDING)	M.G.	128
	803-01	SODDING (NEW SOD)	S.Y.	11768
6	805-01.01	TURF REINFORCED MAT (CLASS I)	S.Y.	1000
6	805-12.02	EROSION CONTROL BLANKET (TYPE II)	S.Y.	1000

1 INCLUDES THE REMOVAL OF 1 CATCHBASIN AT CHARLOTTE AVE. AND THE REMOVAL OF A 15" STORM SEWER AT CHARLOTTE AVE.

2 INCLUDES REMOVAL OF SLOPE PAVING, SIDEWALKS, CURB AND GUTTER, AND INCIDENTAL ASPHALT REMOVAL.

3 INCLUDES EXCAVATION FOR TEMP. CONSTRUCTION ENTRANCE.
INCLUDES EXCAVATION FOR SOIL NAIL AND MSE WALLS TO BOTTOM OF LEVELING PAD
INCLUDES 72 C.Y. FROM EROSION AND SEDIMENT CONTROL

4 BACKFILL FOR OVEREXCAVATED AREA

5 UNDERCUT 6' DEPTH FOR RETAINING WALLS

6 AS DIRECTED BY THE ENGINEER.

7 RETAINING WALL # 1 10,686 TONS
RETAINING WALL # 4 11,357 TONS
RETAINING WALL # 5 10,318 TONS
RETAINING WALL # 6 8,246 TONS
RETAINING WALL # 7 1,825 TONS
RETAINING WALL # 8 7,377 TONS
18,781 TONS BETWEEN RETAINING WALLS 2 AND 3
INCLUDES 73 TONS FROM EROSION AND SEDIMENT CONTROL

8 INCLUDES THE REMOVAL AND REINSTALLATION OF EXISTING SIGNS FROM 10 GROUND MOUNTED SIGNS WITH POSTS AND FOOTINGS WITHIN THE PROJECT GRADING LIMTS, 3 MEDIAN BARRIER RAIL MOUNTED SIGNS WITH POSTS AND 2 BRIDGE MOUNTED SIGNS.

9 ITEM NUMBER INCLUDES THE HD CAMERA AND HOUSING AS WELL AS THE LOWERING DEVICE FOR AN 80' POLE. THE LOWERING DEVICE SHALL BE ABLE TO BE INSTALLED ON EXISTING 80' POLE.

10 SEE NES STANDARDS FOR TYPE PULLBOX REQUIRED

11 LUMP SUM ITEM CONSISTS OF REMOVAL OF 23 POLES AND LUMINAIRES AND REPLACING THEM ONCE ROADWAY/BRIDGE CONSTRUCTION IS COMPLETED, ITEM ALSO INCLUDES THE FOUNDATION IF REQUIRED.

12 SEE NES STANDARD FOR TYPE OF FIXTURE.

13 ITEM NUMBER FOR ANY WORK REQUIRED FOR UPDATING OR MODIFIING OF CONTROL CABINET.

14 FOR DISCONNECTING AND REINSTALLING OF THE OVER HEAD CABLE FROM POLE 23 TO POLE 30.

15 ITEM NUMBER FOR THE COORDINATION WITH NES AND COST OF ANY MODIFICATION TO THE POWER SERVICE POINT.

16 ITEM NUMBER IS FOR THE INSTALLATION AND CONFIGURATION OF EXISTING CAMERA POLE THAT WAS REMOVED DURING BRIDGE CONSTRUCTION.

17 ITEM NUMBER IS FOR THE INSTALLATION AND CONFIGURATION OF EXISTING CAMERA POLE THAT WAS REMOVED DURING BRIDGE CONSTRUCTION.

18 ITEM NUMBER IS FOR THE VERIFICATION AND CLEANING OF ALL NEW AND EXISITNG CONDUIT WITHIN THE PROJECT LIMITS AND ALL EQUIPMENT NECESSARY INCLUDING FINAL PULL CABLES.

19 ITEM NUMBER INCLUDES THE TESTING OF FIBER OPTIC CABLE ONCE INSTALLED, AND COORDINATION WITH TDOT THROUGHOUT THE PROJECT FROM DISCONNECTING TO FINAL ACCEPTANCE.

20 ITEM NUMBER IS FOR THE REMOVAL AND RE-INSTALLATION OF EXISTING 72F FIBER OPTIC CABLE. CONTRACTOR DOES NOT NEED TO PURCHASE ANY NEW 72 FIBER CABLE FOR THIS PROJECT.

21 INCLUDES CONTAINMENT AND REMOVAL OF CONTAMINATED SOIL AT JO JOHNSTON AVENUE. SEE SPECIAL NOTES ON SHEET 2L.

22 ITEM INCLUDES TEMPORARY STABILIZATION AND SEEDING ON ANY SLOPES RECEIVING SPOIL MATERIAL.

23 INCLUDES STRIP TOPSOIL, PLACE AGGREGATE BASE COURSE, DRAINAGE, SILT FENCE, RECLAIM SITE FOR NORTH AND SOUTH MEDIAN LAYDOWN YARDS.
INCLUDES CHAIN LINK FENCE, YARD OFFICES AND UTILITIES, ACCESS AND EGRESS HAUL ROADS, TEMPORARY PRECAST BARRIER WALL FOR PROTECTION OF MEDIAN, TEMPORARY SHORING FOR CASTING PANELS, MOCK UPS FOR BRIDGE ERECTION, AND CONCRETE WASHOUTS FOR SOUTH MEDIAN LAYDOWN YARD.

24 INCLUDES 10' TRANSITION FROM EXISTING JERSEY BARRIER TO 32 IN. SINGLE SLOPE BARRIER WALL AT BEGINNING AND END OF PROJECT.

25 INCLUDES 305 LF OF BARRIER WALL USED ON OUTSIDE SHOULDERS BETWEEN CSXT RR AND CLINTON AND 167 LF AT CLINTON AND JO JOHNSTON FULL DEPTH PAVEMENT AREAS.

26 INCLUDES NEW SIDEWALK, CONCRETE AT EXISTING OVERHEAD SIGN LOCATIONS, AND INCIDENTAL AREAS OF CONCRETE DAMAGED OR REMOVED DURING CONSTRUCTION.

27 ITEM NUMBER IS FOR NEW CABLE IN LIGHTING POLES AND INCLUDES FUSES AND FUSE HOLDERS PER NES AND TDOT STANDARDS.

28 FOUNDATION DESIGN IS THE RESPONSIBILITY OF THE CONTRACTOR, CONTRACTOR MUST SUBMIT FOUNDATION DESIGN TO TDOT FOR APPROVAL. FOUNDATIONS MUST MATCH EXISTING POLE BOLT PATTERNS.

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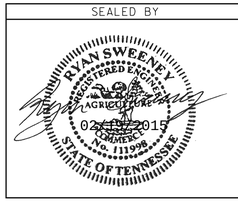

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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