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

ESTIMATED BRIDGE & RETAINING WALL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	PROJECT TOTALS	BRIDGE 1 I-40 OVER HERMAN STREET BR. NO 19-I0040-16.62 BRIDGE QUANTITY	BRIDGE 2 I-40 OVER CSXT RAILROAD BR. NO 19-I0040-16.75 BRIDGE QUANTITY	BRIDGE 3 I-40 OVER CLINTON AVENUE BR. NO 19-I0040-16.XX BRIDGE QUANTITY	BRIDGE 4 I-40 OVER JO JOHNSTON STREET BR. NO 19-I0040-16.88 BRIDGE QUANTITY	BRIDGE 5 I-40 OVER CHARLOTTE AVENUE BR. NO 19-I0040-17.09 BRIDGE QUANTITY	RETAINING WALL NO. 1 WALL QUANTITY	RETAINING WALL NO. 2 WALL QUANTITY	RETAINING WALL NO. 3 WALL QUANTITY	RETAINING WALL NO. 4 WALL QUANTITY	RETAINING WALL NO. 5 WALL QUANTITY	RETAINING WALL NO. 6 WALL QUANTITY	RETAINING WALL NO. 7 WALL QUANTITY	RETAINING WALL NO. 8 WALL QUANTITY
202-04.01	REMOVAL OF STRUCTURES (PARTIAL, BR. NO. 19-I0040-16.62)	LS	1	1												
202-04.02	REMOVAL OF STRUCTURES (PARTIAL, BR. NO. 19-I0040-16.75)	LS	1		0.5	0.5										
202-04.03	REMOVAL OF STRUCTURES (PARTIAL, BR. NO. 19-I0040-16.88)	LS	1				1									
202-04.04	REMOVAL OF STRUCTURES (PARTIAL, BR. NO. 19-I0040-17.09)	LS	1					1								
204-02.01	DRY EXCAVATION (BRIDGES)	C.Y.	1760					1760								
602-04.01	STEEL STRUCTURES (HERMAN ST., BRIDGE NO. 19-I0040-16.62)	LS	1	1												
602-04.02	STEEL STRUCTURES (CHARLOTTE AVE., BRIDGE NO. 19-I0040-17.09)	LS	1					1								
602-04.98	STEEL STRUCTURES (HERMAN ST BRIDGE MATERIAL ONLY 1,174,321 LBS.)	LS	1	1												
602-04.99	STEEL STRUCTURES (CHARLOTTE AVE., BRIDGE MATERIAL ONLY 701,183 LBS.)	LS	1					1								
602-02.10	STRUCTURAL STEEL (SHIMS - CSXT BRIDGE NO. 19-I0040-16.75)	LS	1		1											
602-02.11	STRUCTURAL STEEL (SHIMS - CLINTON AVE. BRIDGE NO. 19-I0040-16.XX)	LS	1			1										
602-02.12	STRUCTURAL STEEL (SHIMS - JO JOHNSTON BRIDGE NO. 19-I0040-16.88)	LS	1				1									
602-10.66	BEARING DEVICES (STL REINF ELASTOMERIC)	EA	136	96				40								
604-01.32	CLASS A CONCRETE (LEVELING)	C.Y.	800					800								
604-03.04	PAVEMENT @ BRIDGE ENDS	S.Y.	1880		437	457	499	487								
604-03.07	CLASS A CONCRETE (HIGH EARLY STRENGTH)	C.Y.	345	62			6	277								
604-03.09	CLASS D CONCRETE (BRIDGE DECK)	C.Y.	1824	1178	46	59	52	489								
604-04.02	APPLIED TEXTURE FINISH (EXISTING STRUCTURES)	S.Y.	7567	2147	1788	1747	1333	552								
604-04.41	THREE STAR STATE EMBLEM	EACH	20	4	4	4	4	4								
604-05.32	BRIDGE DECK GRINDING AND GROOVING	S.Y.	4957		1679	1647	1631									
604-07.01	RETAINING WALL NO. 1 (@ ABUTMENT NO. 1)	S.F.	6708						6708							
604-07.02	RETAINING WALL NO. 2 (@ ABUTMENT NO. 2)	S.F.	4360							4360						
604-07.03	RETAINING WALL NO. 3 (@ ABUTMENT NO. 1)	S.F.	15288								15288					
604-07.04	RETAINING WALL NO. 4 (@ ABUTMENT NO. 2)	S.F.	7208									7208				
604-07.05	RETAINING WALL NO. 5 (@ ABUTMENT NO. 1)	S.F.	6850										6850			
604-07.06	RETAINING WALL NO. 6 (@ ABUTMENT NO. 2)	S.F.	5817											5817		
604-07.07	RETAINING WALL NO. 7 (@ ABUTMENT NO. 1)	S.F.	5717												5717	
604-07.08	RETAINING WALL NO. 8 (@ ABUTMENT NO. 2)	S.F.	5855													5855
604-10.14	REMOVE EXISTING WEARING SURFACE	LS	1	0.2	0.2	0.2	0.2	0.2								
604-10.17	NON-PENETRATING CONCRETE SEAL	S.Y.	182	182												
604-10.18	REINFORCING STEEL (REPAIRS)	LB.	578006	346232	13509	15212	13053	190000								
604-10.42	CONCRETE	C.F.	592		120	272	200									
604-10.44	EXPANSION JOINT REPAIRS	L.F.	252	252												
604-10.54	CONCRETE REPAIRS	S.F.	65	35	10	10	10									
604-11.01	EXPANSION DEVICE (STL REINF ELASTOMERIC)	EACH	32	32												
615-02.05	PRESTRESSED CONCRETE BOX BEAM (33" X 36")	L.F.	1165				1165									
615-02.17	PRESTRESSED CONCRETE BOX BEAM (36" X 36")	L.F.	2654		1375	1279										
615-04.01	FULL DEPTH PRCST/PRSTRSSD TYPE I DECK PANELS	S.Y.	2524		897	828	799									
615-04.10	NON-SHRINK GROUT	C.F.	7638	1697	1805	1481	1415	1240								
615-04.30	PRECAST BRIDGE ABUTMENT WALL	C.Y.	328		88	92	80	68								
617-01	BRIDGE DECK SEALANT	S.Y.	12435	4758	1679	1647	1631	2720								
617-02	BRIDGE DECK CRACK SEALING	L.F.	40824	5618	11599	10226	10145	3236								
617-05	SEALANT (HMWM)	GAL	208	30	58	52	51	17								
620-05.01	CONC PARAPET SINGLE SLOPE (STD-1-1SS)	L.F.	1418	693	168	157	133	267								
707-07.01	CHAIN-LINK FENCE (BRIDGES)	S.F.	835		835											
710-09.01	6" PERFORASTED PIPE WITH VERTICAL DRAIN SYSTEM	L.F.	652		652											
711-02.06	REINFORCED CONCRETE MEDIAN BARRIER (STD-1-3SS)	L.F.	710	347	84	78	68	133								
714-01.01	STRUCTURAL LIGHTING (BRIDGE NO. 19I0040-16.62)	L.S.	1	1												
714-01.02	STRUCTURAL LIGHTING (BRIDGE NO. 19I0040-16.75)	L.S.	1		1											
714-01.03	STRUCTURAL LIGHTING (BRIDGE NO. 19I0040-16.XX)	L.S.	1			1										
714-01.04	STRUCTURAL LIGHTING (BRIDGE NO. 19I0040-16.88)	L.S.	1				1									
714-01.05	STRUCTURAL LIGHTING (BRIDGE NO. 19I0040-17.09)	L.S.	1					1								

FOR ITEM FOOTNOTES AND DESCRIPTIONS, SEE INDIVIDUAL BRIDGE QUANTITY SHEETS

REV. 02/12/15:
ADDED QUANTITY FOR MEDIAN BARRIER AT CHARLOTTE AVE.

REV. 02/19/15:
UPDATED ITEMS NOS. FOR STEEL SHIMS ON BRIDGES 2,3 & 4.

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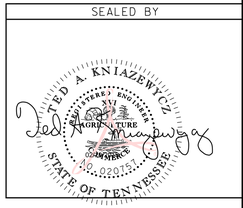

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

ESTIMATED ROADWAY QUANTITIES

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