

ESTIMATED QUANTITIES (WITH CAST-IN-PLACE ABUTMENTS)									
	SPAN	REINFORCED CONCRETE BOX BEAMS			PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS				
		30'-0	40'-0	50'-0	30'-0	40'-0	50'-0	60'-0	70'-0
UHPC JOINT FOR CONCRETE BOX BEAM BRIDGE	L.F.	156	206	256	156	206	256	306	356
STRUCTURAL CONCRETE *	C.Y.	32.4	32.4	33.6	31.1	31.1	32.4	32.4	33.6
EPOXY COATED REINFORCING STEEL *	LBS.	5,574	5,574	5,729	5,420	5,420	5,574	5,449	5,576
STRUCTURAL STEEL **	LBS.	1,726	2,222	3,112	1,478	1,900	2,718	3,215	4,442
REINFORCED CONCRETE BOX BEAM	NO.	6-27"x48"x30'-0 RCBB	6-27"x48"x40'-0 RCBB	6-33"x48"x50'-0 RCBB	-	-	-	-	-
PRETENSIONED PRESTRESSED CONCRETE BOX BEAM	NO.	-	-	-	6-21"x48"x30'-0 PPCBB	6-21"x48"x40'-0 PPCBB	6-27"x48"x50'-0 PPCBB	6-27"x48"x60'-0 PPCBB	6-33"x48"x70'-0 PPCBB
NO. OF STEEL H-PILES (HP 10x57) FOR TWO ABUTMENTS	NO.	10	10	10	10	10	10	12	14

NOTES:

- \* INCLUDES TWO ABUTMENT FOOTINGS AND TWO ABUTMENT BACKWALLS.
- \*\* INCLUDES FOUR RETAINER ANGLE ASSEMBLIES AND BRIDGE RAIL POSTS.
- FOR REQUIRED STEEL SHEET PILE QUANTITY, SEE SHEET B24-08-16. PAY ITEM, "PILES STEEL SHEET-CONCRETE BOX BEAM BRIDGE".

ESTIMATED QUANTITIES (WITH PRECAST ABUTMENTS)									
	SPAN	REINFORCED CONCRETE BOX BEAMS			PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS				
		30'-0	40'-0	50'-0	30'-0	40'-0	50'-0	60'-0	70'-0
UHPC JOINT FOR CONCRETE BOX BEAM BRIDGE	L.F.	156	206	256	156	206	256	306	356
STRUCTURAL CONCRETE *	C.Y.	6.0	6.0	7.3	4.7	4.7	6.0	6.0	7.3
EPOXY COATED REINFORCING STEEL *	LBS.	1,081	1,081	1,232	930	930	1,081	1,068	1,232
STRUCTURAL STEEL **	LBS.	1,726	2,222	3,112	1,478	1,900	2,718	3,215	4,442
PRECAST FOOTING (SHEET PILE WINGS) ***	NO.	2	2	2	2	2	2	2	2
REINFORCED CONCRETE BOX BEAM	NO.	6-27"x48"x30'-0 RCBB	6-27"x48"x40'-0 RCBB	6-33"x48"x50'-0 RCBB	-	-	-	-	-
PRETENSIONED PRESTRESSED CONCRETE BOX BEAM	NO.	-	-	-	6-21"x48"x30'-0 PPCBB	6-21"x48"x40'-0 PPCBB	6-27"x48"x50'-0 PPCBB	6-27"x48"x60'-0 PPCBB	6-33"x48"x70'-0 PPCBB
NO. OF STEEL H-PILES (HP 10x57) FOR TWO ABUTMENTS	NO.	10	10	10	10	10	10	12	14

NOTES:

- \* INCLUDES TWO ABUTMENT BACKWALLS.
- \*\* INCLUDES FOUR RETAINER ANGLE ASSEMBLIES AND BRIDGE RAIL POSTS.
- \*\*\* INCLUDES HIGH EARLY STRENGTH SELF-CONSOLIDATING CONCRETE FOR CMP PILE POCKETS. SEE SHEET B24-18-16 FOR VOLUME OF HIGH EARLY STRENGTH SELF-CONSOLIDATING CONCRETE REQUIRED FOR EACH BOX BEAM TYPE AND SPAN LENGTH.
- FOR REQUIRED STEEL SHEET PILE QUANTITY, SEE SHEET B24-08-16. PAY ITEM, "PILES STEEL SHEET-CONCRETE BOX BEAM BRIDGE".

NOTE:

QUANTITIES SHOWN ONLY INCLUDE QUANTITIES COVERED BY THESE STANDARDS. OTHER QUANTITIES, AS REQUIRED, MAY ALSO NEED TO BE COMPUTED BY THE USER OF THESE STANDARDS SUCH AS UHPC JOINT WATER INTEGRITY TEST, EXCAVATION CLASS 20 OR 21, REMOVAL OF STRUCTURE, BRIDGE WING ARMORING AND GRANULAR BACKFILL, ETC.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 24'-0 ROADWAY, SINGLE SPAN <b>CONCRETE BOX BEAM BRIDGES</b>
		DECEMBER, 2016
		<b>QUANTITY SUMMARIES SHEET PILE WINGS 0° SKEW</b>