

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.	218	288	358	218	288	358	428	498
STRUCTURAL CONCRETE *	C.Y.	40.9	40.9	42.5	39.3	39.3	40.9	40.9	42.5
EPOXY COATED REINFORCING STEEL *	LBS.	6,612	6,612	6,825	6,419	6,419	6,633	6,557	6,749
STRUCTURAL STEEL **	LBS.	1,726	2,222	3,112	1,478	1,900	2,718	3,215	4,442
REINFORCED CONCRETE BOX BEAM	NO.	8-27"x48"x30'-0 RCBB	8-27"x48"x40'-0 RCBB	8-33"x48"x50'-0 RCBB	-	-	-	-	-
PRETENSIONED PRESTRESSED CONCRETE BOX BEAM	NO.	-	-	-	8-21"x48"x30'-0 PPCBB	8-21"x48"x40'-0 PPCBB	8-27"x48"x50'-0 PPCBB	8-27"x48"x60'-0 PPCBB	8-33"x48"x70'-0 PPCBB
NO. OF STEEL H-PILES (HP 10x57) FOR TWO ABUTMENTS	NO.	12	12	14	12	12	14	16	16

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 B30-08-16. 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.	218	288	358	218	288	358	428	498
STRUCTURAL CONCRETE *	C.Y.	7.7	7.7	9.3	6.1	6.1	7.7	7.7	9.3
EPOXY COATED REINFORCING STEEL *	LBS.	1,344	1,344	1,578	1,157	1,157	1,383	1,396	1,594
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.	8-27"x48"x30'-0 RCBB	8-27"x48"x40'-0 RCBB	8-33"x48"x50'-0 RCBB	-	-	-	-	-
PRETENSIONED PRESTRESSED CONCRETE BOX BEAM	NO.	-	-	-	8-21"x48"x30'-0 PPCBB	8-21"x48"x40'-0 PPCBB	8-27"x48"x50'-0 PPCBB	8-27"x48"x60'-0 PPCBB	8-33"x48"x70'-0 PPCBB
NO. OF STEEL H-PILES (HP 10x57) FOR TWO ABUTMENTS	NO.	12	12	14	12	12	14	16	16

NOTES:

- \* INCLUDES TWO ABUTMENT BACKWALLS.
- \*\* INCLUDES FOUR RETAINER ANGLE ASSEMBLIES AND BRIDGE RAIL POSTS.
- \*\*\* INCLUDES HIGH EARLY STRENGTH SELF-CONSOLIDATING CONCRETE FOR CMP POCKETS. SEE SHEET B30-18-16 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 B30-08-16. 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, ETC.

LATEST REVISION DATE	 APPROVED BY BRIDGE ENGINEER	 STANDARD DESIGN - 30'-0 ROADWAY, SINGLE SPAN <b>CONCRETE BOX BEAM BRIDGES</b>
		DECEMBER, 2016
		<b>QUANTITY SUMMARIES        SHEET PILE WINGS        0° SKEW</b>