ESTIMATED QUANTITIES (WITH CAST-IN-PLACE ABUTMENTS)										
	REINFOR	CED CONCRETE BO	X BEAMS	PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS						
	SPAN	30'-0	40'-0	50'-0	30'-0	40'-0	50'-0	60'-0	70'-0	
UHPC JOINT FOR CONCRETE BOX BEAM	L.F.	156	206	256	156	206	256	306	356	
STRUCTURAL CONCRETE *	C.Y.	30.6	30.6	32.0	28.8	28.8	30.6	30.6	32.0	
EPOXY COATED REINFORCING STEEL *	LBS.	4,846	4,846	4,953	4,694	4,694	4,846	4,846	4,974	
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"×48"×30'-0 RCBB	6-27"×48"×40'-0 RCBB	6-33"×48"×50'-0 RCBB	-	-	-	-	-	
PRETENSIONED PRESTRESSED CONCRETE BOX BEAM	N0.	-	-	-	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 I0x57) FOR TWO ABUTMENTS	NO.	10	10	10	10	10	10	10	12	

* INCLUDES TWO ABUTMENT FOOTINGS AND TWO ABUTMENT BACKWALLS. SEE SHEET B24-15-16 FOR ADDITIONAL CONCRETE REQUIRED IN ABUTMENT FOOTINGS. ** INCLUDES FOUR RETAINER ANGLE ASSEMBLIES AND BRIDGE RAIL POSTS.

ESTIMATED QUANTITIES (WITH PRECAST ABUTMENTS)										
		REINFOR	CED CONCRETE BO	X BEAMS	PRETENSIONED PRESTRESSED CONCRETE BOX BEAMS					
	SPAN	30'-0	40'-0	50'-0	30'-0	40'-0	50'-0	60'-0	70'-0	
UHPC JOINT FOR CONCRETE BOX BEAM	L.F.	156	206	256	156	206	256	306	356	
STRUCTURAL STEEL **	LBS.	1,726	2,222	3,112	1,478	1,900	2,718	3,215	4,442	
PRECAST ABUTMENT BACKWALL	NO.	4	4	4	4	4	4	4	4	
PRECAST FOOTING (CONCRETE WINGS) ***	NO.	2	2	2	2	2	2	2	2	
REINFORCED CONCRETE BOX BEAM	NO.	6-27"×48"×30'-0 RCBB	6-27"×48"×40'-0 RCBB	6-33"×48"×50'-0 RCBB	-	-	-	-	-	
PRETENSIONED PRESTRESSED CONCRETE BOX BEAM	NO.	-	-	-	6-21"x48"x30'-0 PPCBB	6-21"×48"×40'-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 10×57) FOR TWO ABUTMENTS	NO.	10	10	10	10	10	10	10	12	

TOTES: *** INCLUDES HIGH EARLY STRENGTH SELF-CONSOLIDATING CONCRETE FOR CMP PILE POCKETS. SEE SHEET B24-22-16 FOR VOLUME OF HIGH EARLY STRENGTH SELF-CONSOLIDATING CONCRETE REQUIRED FOR EACH BOX BEAM TYPE AND SPAN LENGTH.

Highway Division Monumen L. M. Curelof APPROVED BY BRIDGE ENCINEER STANDARD DESIGN - 24'-0 ROADWAY, SINGLE SPAN LATEST REVISION DATE CONCRETE BOX BEAM BRIDGES DECEMBER, 2016 QUANTITY SUMMARIES CONCRETE WINGS 15° SKEW B24-30-16

NOTES: 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 INTERNITY TEST, RECAVATION CLASS 20 OR 21, REMOVAL OF STRUCTURE, BRIDGE WING ARMORING, ETC.