

PRESTRESSED CONCRETE	DRAWING	SHEET
I-BEAM DETAILS		SECT
PC-10 (03-24-2025)		

				THE US	TO USER: NOTES IN "[]" ARE GUIDANCE TO SER AND GENERALLY ARE REMOVED FROM THE FINAL BASED ON DESIGN SPECIFIC BEAM DETAILS.		
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				NOTES:			
				USE 0.6" NOMI GRADE 270, LC	VAL DIAMETER PRESTRESSING STRAND MEETING THE REQUIREMENTS OF AASHTO M203 (ASTM A416), W RELAXATION STRAND.		
				PROVIDE CON	IA. PRESTRESSING STRANDS TO AN INITIAL PRESTRESS OF 44,000 LBS. CRETE INSERTS FOR DRAIN CASTING ASSEMBLY BRACKETS ACCORDING TO STANDARD PLAN B-101-SERIES.		
					WITH THE BEAMS. DO NOT FIELD INSTALL INSERTS. RE (REQUIRED) (OPTIONAL).		
					TED CHANGE OF LENGTH OF BOTTOM FLANGE AT TRANSFER OF PRESTRESS FORCE IS".		
				BEAM ONLY AN	D BEAM CAMBER AT RELEASE IS THIS CAMBER IS DUE TO PRESTRESS AND DEAD LOAD OF THE D IS MEASURED IN THE ERECTED POSITION.		
				DURING HANDI	(S)MAY BE LATERALLY UNSTABLE. TAKE PRECAUTIONS TO ENSURE THAT BEAMS ARE NOT DAMAGED ING AND TRANSPORTATION. [USE WHEN FACTOR OF SAFETY FOR LATERAL BUCKLING IS 1.2 OR LESS.] DEMCODECHMENT AND NEXTLY ATOON INTO CONCOLET INSCRETE IN UCLIDED IN THE RID ITEM CONCOLEMENT AND INFORMATION OF A DESCRETE INSCRETE IN USE IN USE IN USE IN THE RID ITEM CONCOLEMENT AND INFORMATION OF A DESCRETE INSCRETE INSCRETE IN USE IN USE IN USE IN USE IN THE RID INFORMATION OF A DESCRETE INSCRETE INSC		
				("PREST CONC	THREADING OF REINFORCEMENT AND INSTALLATION INTO CONCRETE INSERTS IS INCLUDED IN THE BID ITEM ("PREST CONC I BEAM, FURN, INCH"). REMOVE LIFTING DEVICES AFTER BEAMS ARE ERECTED. REMOVAL IS INCLUDED IN THE BID ITEM		
				("PREST CONC	NO DEVICES AFTER BEAMS ARE ERECTED. REMOVALIS INCLODED IN THE BID THEM I BEAM, FURNINCH', ONS SHOWN ON THE PLANS, APPLY SILANE TO THE BEAM ENDS FOR A DISTANCE OFFEET,		
				STARTING FRO COAT OUTSIDE JOINTS. SHOW IS BEING APPLI	THE BEAM END AT THE JOINT, COATING BOTH SIDES, BOTTOM AND ENDS OF BEAMS (DO NOT AND BOTTOM OF FASCIA BEAMS.), JUSE ON PRESTRESSED LEEAM PROJECTS WITH EXPANSION (THE LOCATIONS DE COATED ON THE ERECTION DIAGRAM. IF CONCRETE SURFACE COATING ED TO FASCIA BEAMS, DO NOT APPLY SILANE IN AREAS THAT WILL RECEIVE CONCRETE ING. INCLUDE SPECIAL PROVISION FOR SILANE TREATMENT FOR BRIDGE CONCRETE.]		
				CONCRETE SU PRESTRESSED	ETE SURFACE COATING TO THE ENTIRE OUTSIDE AND BOTTOM OF THE FASCIA BEAMS. (USE RFACE COATING AMS-STD-595 COLOR NUMBER [INSERT NUMBER], [INSERT COLOR]), [USE ON I-BEAM BRIDGES WHERE COATING FASCIA BEAMS WILL NOT SIGNIFICANTLY AFFECT THE RAFFIC AND WHEN REQUESTED BY THE REGION OR ROADSIDE DEVELOPMENT SECTION.]		
				FIELD DRILLING TRAFFIC & SAF	DE 60 (KSI) BEAM STEEL REINFORCEMENT, INCLUDING STIRRUPS. 3 IS ALLOWED FOR SIGN SUPPORT ANCHORS ONLY. LOCATION OF ANCHORS IS AS DETAILED ON ETY SIGN SUPPORT SPECIAL DETAILS. REPAIR ANY DAMAGE TO THE BEAMS AT THE CONTRACTOR'S DIPOLYED BY THE ENCINEE'S		
				GALVANIZE OR	EXPENSE AS APPROVED BY THE ENGINEER. GALVANIZE OR EPOXY COAT ITEMS CAST INTO THE BEAMS TO FACILITATE BRIDGE CONSTRUCTION (FORMING, FINISHING, ETC.).		
				(¾") (STANDARI COIL TIE OR TY ENGINEER APF CONDITION 4. (USE (¾") (1") DIAMETER CONCRETE INSERTS; DAYTON SUPERIOR, TYPE B-1 TWO STRUT COIL TIE - (HEAVY) [¾"] (STANDARD) [1"] OR TYPE B18 SINGLE FLARED COIL LOOP INSERT; WILLIAMS FORM, TYPE C12 TWO STRUT COIL TIE OR TYPE C19 FLARED COIL LOOP INSERT; MEADOW BURKE, TYPE CX4 COIL LOOP INSERTFLARED; OR ENGINEER APPROVED EQUAL ELECTROPLATE GALVANIZE COIL INSERTS IN ACCORDANCE WITH ASTM B633, SERVICE CONDITION 4, CAST INSERTS WITH THE BEAMS, DO NOT FIELD INSTALL INSERTS. [USE FOR IBEAMS AT		
				USE [%] " BOLT D FORM, F15 OR APPROVED EQ SERVICE CONI	BACKWALLS OR CONCRETE DIAPHRAGMS.] USE ³ / ₄ * BOLT DIAMETER CONCRETE INSERTS; DAYTON SUPERIOR, F42 OR F64 FERRULE LOOP INSERT; WILLIAMS FORM, F15 OR F16 FERRULE LOOP INSERT; MEADOW BURKE, FX-2 OR FX-5 FERRULE INSERT - LOOP; OR ENGINEER APPROVED EQUAL, ELECTORPLATE GALVANIZE FERRULE INSERTS AND BOLTS IN ACCORDANCE WITH SERVICE CONDITION 4, CAST INSERTS WITH THE BEAMS. DO NOT FIELD INSTALL INSERTS. [USE WITH		
				USE ½" BOLT D INSERT; WILLIA LOOP; OR ENG WITH ASTM B6:	TYPE III & IV BEAMS WITH STEEL DUAPHRAGMS.] USE ³ / ₈ BOLT DIAMETER, 4 ¹ / ₈ : (4 ⁵ / ₈) LONG CONCRETE INSERTS: DAYTON SUPERIOR, F42 OR F64 LOOP FERRULE INSERT: WILLAMS FORM, F16 OR F16 FERRULE LOOP INSERT: MEADOW BURKE, FX-2 OR FX-5 FERRULE INSERT - LOOP; OR ENGINEER APPROVED EQUAL. ELECTROPLATE GALVANIZE FERRULE INSERTS AND BOLTS IN ACCORDANCE WITH ASTIM B633, SERVICE CONDITION 4. CAST INSERTS WITH THE BEAMS. DO NOT FIELD INSTALL INSERTS. [USE FOR TYPE I & II BEAMS WITH STEEL DIAPHRAGMS.]		
FINAL ROW PLAN REVISIONS SUBMITTAL DATE:			DATE: CS:		PRESTRESSED CONCRETE DRAWING SHEE		
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