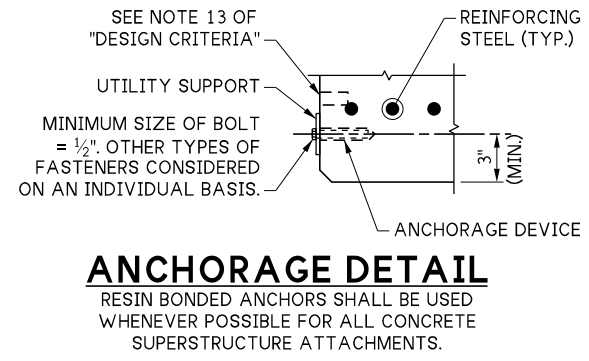
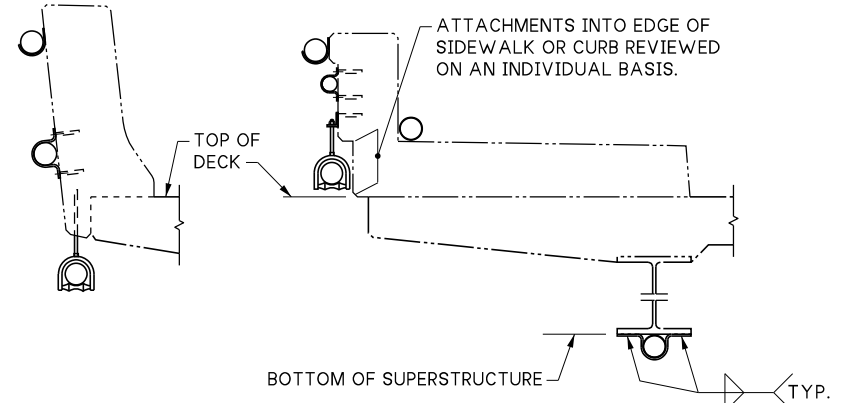
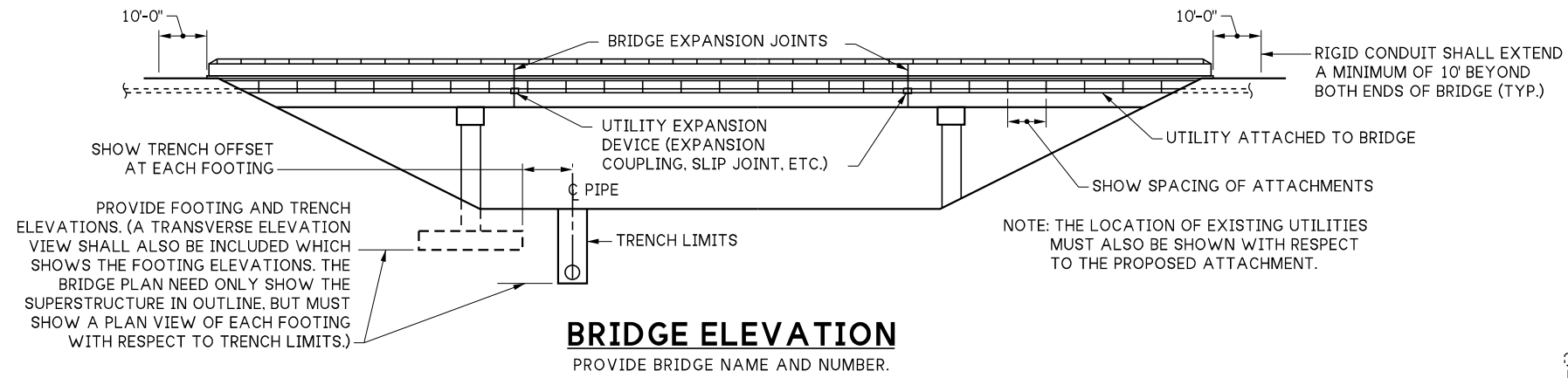
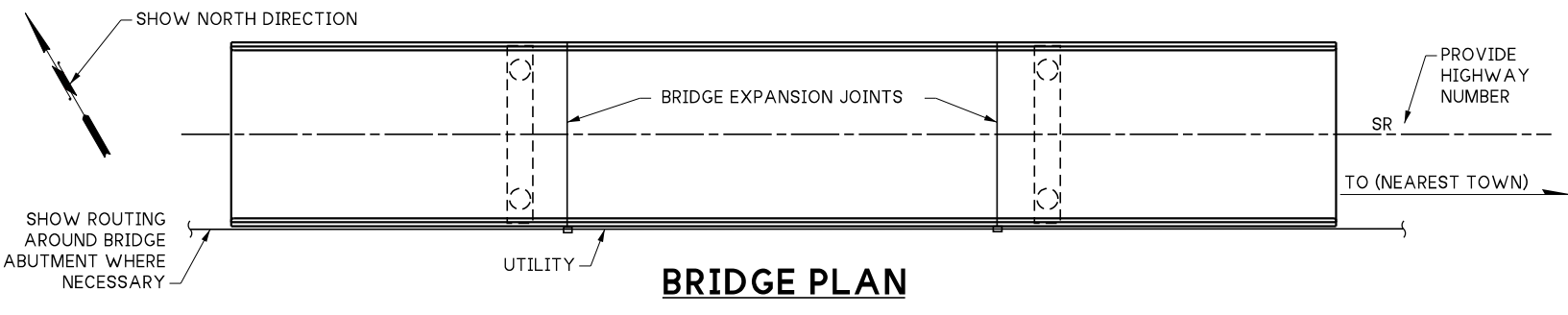


LAST REVISED: 05/23/2025

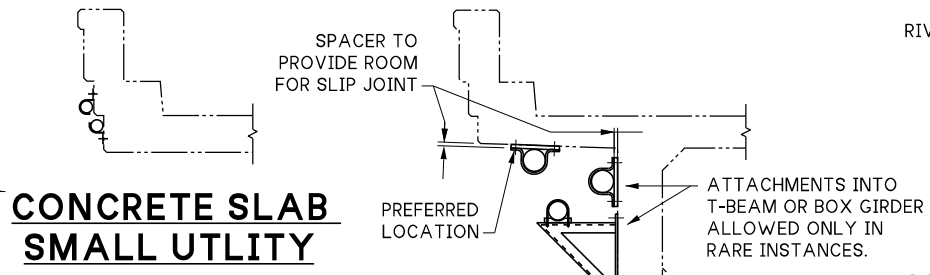


THE DETAILS SHOWN HERE ARE PRESENTED AS A GUIDE ONLY. EACH PROPOSED UTILITY INSTALLATION SHALL BE SUBMITTED TO THE DEPARTMENT OF TRANSPORTATION FOR APPROVAL ON AN INDIVIDUAL BASIS. COMPLIANCE WITH THESE DETAILS DOES NOT ASSURE APPROVAL, NOR DOES THE VARIANCE FROM THESE DETAILS, FOR REASONABLE CAUSE, OR USE OF DETAILS NOT SHOWN HERE NECESSARILY EXCLUDE APPROVAL.

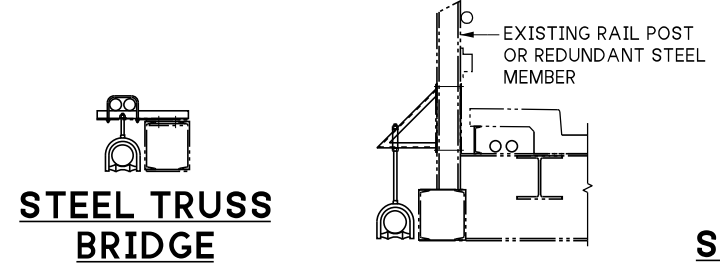
SEE "GENERAL NOTES AND DESIGN CRITERIA"

ACCEPTABLE UTILITY SUPPORT METHODS

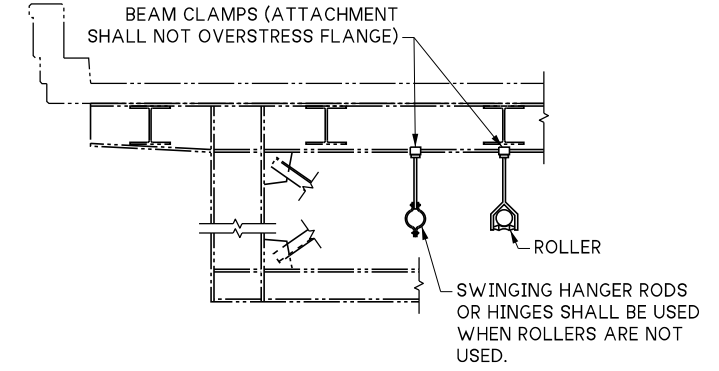
ALL HANGERS HAVE A MEANS OF VERTICAL ADJUSTMENTS.



CONCRETE T-BEAM OR BOX GIRDER BRIDGES

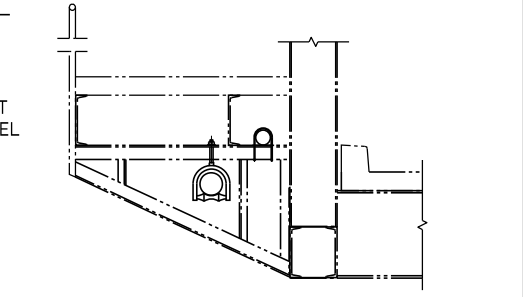
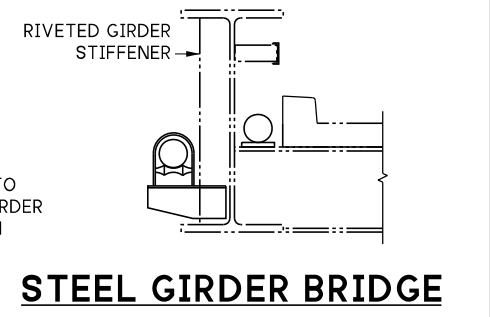


STEEL TRUSS BRIDGE

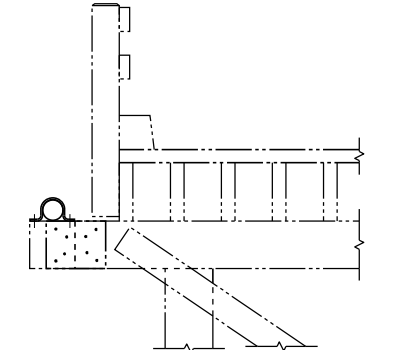


PRESTRESSED CONCRETE BEAM BRIDGES

MAY BE USE ONLY ON SIMPLE SPAN BRIDGE. UTILITY SHALL BE CARRIED BELOW DIAPHRAGMS. CORE DRILLING THROUGH THE END DIAPHRAGM OR ABUTMENT WALL MAY BE ALLOWED ON A CASE BY CASE BASIS. FOR CONTINUOUS SPAN BRIDGES ATTACHMENTS OF THIS NATURE ARE GENERALLY NOT ALLOWED BECAUSE OF INTERFERENCE WITH THE PIER DIAPHRAGMS OR CROSSBEAMS WHICH ARE CONSIDERED STRUCTURAL MEMBERS.



SIDEWALK ATTACHMENT



TIMBER BRIDGE

NAILS OR BOLTS SHALL BE FASTENED TIGHTLY. ANY UNUSED HOLES SHALL BE FILLED WITH CREOSOTE TREATED PLUGS.

SUBMITTAL REQUIREMENTS FOR DISTRICT

A MINIMUM OF 5 PRINTS OR A REPRODUCIBLE DRAWING OF THE ATTACHMENT DETAILS SHALL BE SUBMITTED WITH THE FRANCHISE APPLICATION. ATTACHMENT DETAIL DRAWINGS SHALL INCLUDE A BRIDGE PLAN AND ELEVATION SHOWING THE LOCATION OF THE UTILITY, SUPPORTS AND EXPANSION DEVICES, AND SHALL ALSO INCLUDE DETAILS OF ATTACHMENTS, A TYPICAL CROSS SECTION AND UTILITY ROUTING AT THE BRIDGE ABUTMENTS OR PIER FOOTINGS. BRAND NAMES FOR HANGERS AND ANCHORS SHALL ALSO BE INCLUDED.

NOTE: DOT FORM 224-047, GENERAL NOTES AND DESIGN CRITERIA. (EXAMPLE 1-18 OF THE UTILITIES MANUAL), IS TO BE PART OF, AND INCLUDED BY REFERENCE, IN ANY PERMIT OR FRANCHISE CONTAINING A BRIDGE ATTACHMENT.

REVISIONS TO THIS GUIDE FOR UTILITY INSTALLATIONS MUST BE COORDINATED WITH BOTH THE BRIDGE OFFICE AND HQ UTILITIES AND SHALL BE APPROVED BY THE BRIDGE RETROFIT ENGINEER. THE REVISION NOTE, DATE AND ENGINEERS INITIALS ARE ENTERED INTO THE BORDER REVISION BLOCK BY THE CADD OPERATOR AFTER APPROVAL. A FULL SIZE PAPER PRINT IS THEN SENT TO "PUBLICATIONS" THROUGH THE HQ UTILITIES ENGINEER FOR REDUCTION TO 11"x17" AND DISTRIBUTION TO ALL BRIDGE DESIGN MANUAL AND UTILITY MANUAL HOLDERS. CROSS REFERENCE: BRIDGE DESIGN MANUAL - SECTION 8, APPENDIX A (YELLOW COPIES), UTILITIES MANUAL - CHAPTER 1, EXAMPLES SECTION (WHITE COPIES)

FILE NAME	10.9-A1-1_Guide to Utility Hanger Details.dgn		
BRIDGE DES. ENG.			
BRIDGE PROJ. ENG.			
SUPERVISOR			
DESIGNED BY			
CHECKED BY			
ENTERED BY			
PRELIM. PLAN BY			
ARCH. / SPEC.			
	REVISION	DATE	BY
PLOT DATE:	08-Oct-2025	PLOT TIME:	4:07:06 PM
PLOTTED BY:	deboejak	FILE PATH:	pw://projectstore.wsdot.wa.gov:WSDOT/Documents/_HQ/Bridge & Structures/Bridge Design/_Design Standards/Standard Drawings and Details/Drainage and Utility Components/Utility Hangers/_DGN/10.9-A1-1_Guide to Utility Hanger Details.dgn

REGION NO.	STATE
10	WASH
JOB NUMBER	
CONTRACT NO.	



SEE CERTIFICATION SHEET DATE	SEE CERTIFICATION SHEET DATE
STAMP BOX	STAMP BOX

STANDARD DESIGN DRAWINGS UTILITY HANGERS		PLAN REF NO
UTILITY HANGER PLACEMENT GUIDE		SHEET OF SHEETS

10.9-A1-1