NOTE: ALL DIMENSIONS CONTROLLING DECK AND BOX LOCATIONS ARE TO BE MEASURED HORIZONTALLY AND VERTICALLY, IN REFERENCE TO ALL ROADWAY GEOMETRIC DATA. THE BOX GEOMETRICS SHOULD REMAIN CONSTANT AND TIED TO THE GIRDER WORKLINE AS SHOWN ABOVE.

PROPORTIONS FOR LRFD

LIVE LOAD DISTRIBUTION:

C • 0.6W & C • 6 FT.
A = 0.8W TO 1.2W

EXAMPLE - PARTIAL FRAMING PLAN

*PROVIDE PROJECT DIMENSIONS AND SPECIFY HOW MEASURED

BEARING OFFSET DETAIL

1. DETAILS PROVIDED HEREIN ARE EXAMPLES ONLY AND REQUIRE PROJECT SPECIFIC ATTENTION TO DESIGN AND DETAILING. THAT IS, THEY ARE NOT INTENDED TO BE USED AS CONTRACT PLAN STANDARDS.

2. CERTAIN GEOMETRIC PRACTICES SHOULD NOT BE MODIFIED WITHOUT CONSULTING BRIDGE FABRICATORS. THESE DETAILS ARE A PARTIAL COMPLICATION OF INDUSTRY EFFORTS TO STANDARDIZE BOX GIRDER FABRICATION AND SHOP PLAN PREPARATION.

3. BOX GIRDER DEPTH SHOULD NOT BE LESS THAN 5'-0". THE PREFERRED MINIMUM DEPTH IS 6'-6".

4. ALL GIRDERS MUST INCLUDE PROVISIONS FOR INSPECTION ACCESS AND VENTILATION, INCLUDING LIGHTING AND POWER.

5. PROVISION FOR REMOVING DECK FORMS MUST BE DETAILED IN THE PLANS. A MINIMUM 4'-0" X 4'-0" OPENING, ACCESSIBLE FROM EACH CELL IS NEEDED.

6. "NORMAL TO RDWY. SLOPE" MEANS 45° (TYP.)}

TYPICAL BOX GIRDER GEOMETRICS

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BOX GIRDER DETAIL NOTES

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EXAMPLE - BOX GIRDER GEOMETRICS AND PROPORTIONS

WASHINGTON STATE
Department of Transportation

BRIDGE AND STRUCTURES OFFICE

EXAMPLE - BOX GIRDER GEOMETRICS AND PROPORTIONS