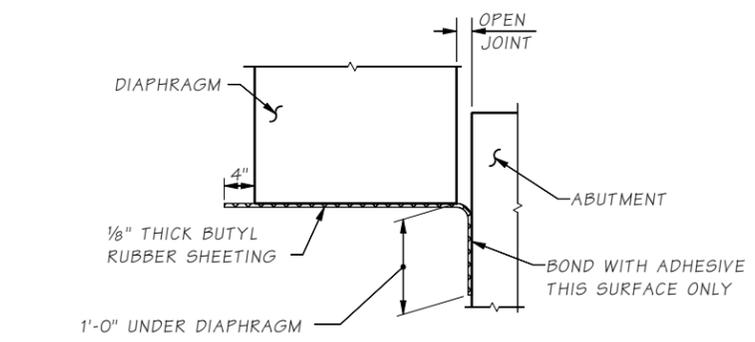


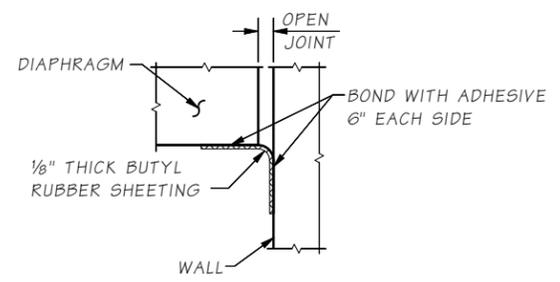
NOTE TO DESIGNER

If ground line is less than 2'-0" minimum below the bottom of girder at front face of abutment a curtain wall shall be provided.

TYPICAL END TYPE "A" DIAPHRAGM AT END PIERS



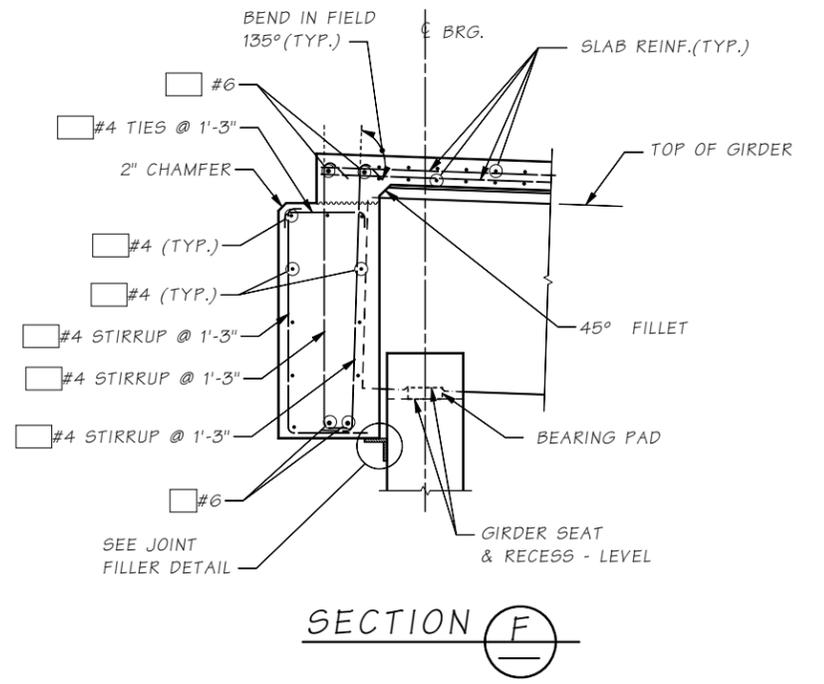
ELEVATION BUTYL RUBBER AT DIAPHRAGM



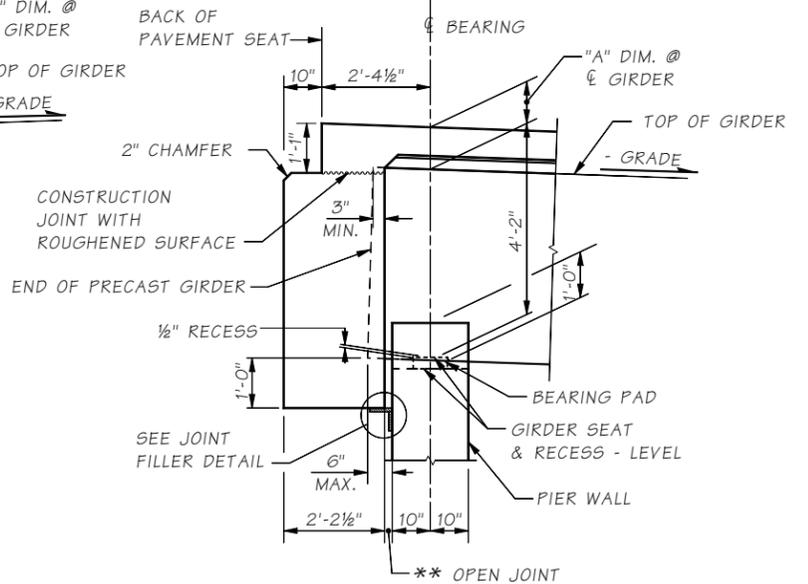
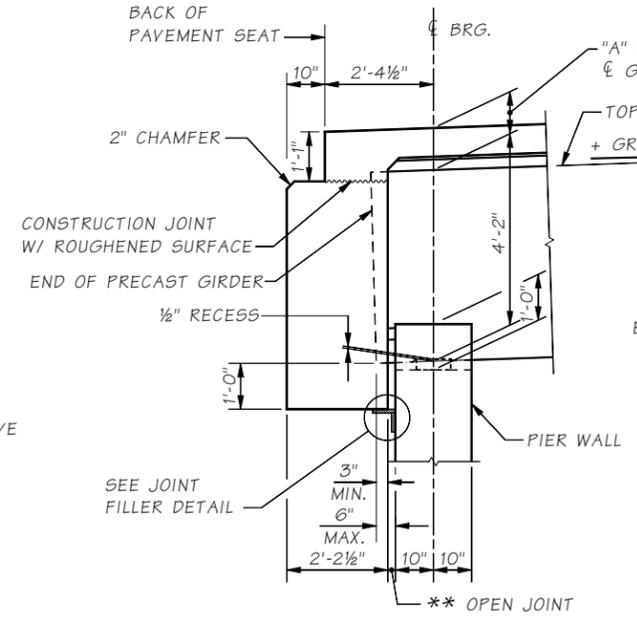
PLAN VIEW BUTYL RUBBER AT VERTICAL JOINTS

NOTE:

- GIRDERS SHALL BE HELD RIGIDLY IN PLACE WHEN DIAPHRAGMS ARE PLACED.
- REINFORCING BAR SHALL BE THREADED THROUGH HOLES IN GIRDERS PRIOR TO PLACING OF EXTERIOR GIRDERS. SEE PLANS FOR "TRAFFIC BARRIER" DIMENSIONS AND LOCATION. SEE "GIRDER DETAILS" SHEET FOR DIMENSION "A".
- END DIAPHRAGM MAY BE CAST ON GRADE. IF SO, THE UPPER LEG OF THE JOINT FILLER SHALL FORM THE BOTTOM FACE FULL WIDTH.
- JOINT FILLER TYPE 1 SHALL BE USED TO COVER ALL VERTICAL END DIAPHRAGM JOINTS. EITHER JOINT FILLER TYPE 1 OR JOINT FILLER TYPE 2 SHALL BE USED TO COVER ALL HORIZONTAL END DIAPHRAGM JOINTS.



SECTION F



END DIAPHRAGM GEOMETRY

SECTIONS THROUGH END DIAPHRAGMS AT END PIERS SEE "GIRDER DETAILS" SHEET FOR DIMENSION "A". ALL LONGITUDINAL DIMENSIONS ARE NORMAL TO SKEW.

BRIDGE LENGTH	JOINT
L ≤ 200	** = 1.5 IN.
200 < L ≤ 300	** = 2.0 IN.
300 < L ≤ 400	** = 2.5 IN.
L > 400	SPECIAL DESIGN

Last revised on : 6/23/2011

SR FILE NO. SHEETS 5.0-A9-5

Bridge Design Engr.	M:\STANDARDS\Girders\Trapezoidal Tube\TUB END DIAPHRAGM ON TUB.MAN	REGION NO.	STATE	FED. AID PROJ. NO.	SHEET NO.	TOTAL SHEETS
Supervisor		10	WASH.			
Designed By		JOB NUMBER				
Checked By						
Detailed By						
Bridge Projects Engr.						
Prelim. Plan By						
Architect/Specialist	DATE	REVISION	BY	APP'D		

Tue Mar 10 13:09:23 2015

BRIDGE AND STRUCTURES OFFICE



STANDARD PRESTRESSED CONCRETE GIRDERS

TUB GIRDER END DIAPHRAGM ON GIRDER DETAILS

BRIDGE SHEET NO.
SHEET
OF
SHEETS