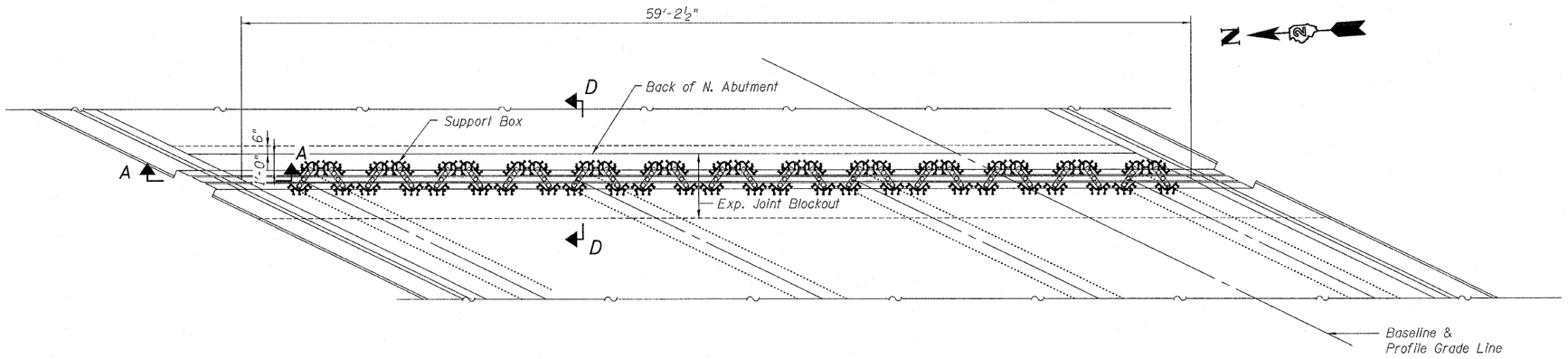
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



PLAN

Dimensions are at 50° F

The number, location and orientation of support boxes shall be determined by manufacturer.
No boxes shall be located outside the exterior girders.
All boxes shall be located to miss the top flanges of the girders.

BILL OF MATERIAL

Item	Unit	Total
Modular Expansion Joint - Swivel 6"	Foot	63

Notes:
Work this sheet with sheets 12 and 16 of 33.
See Sheet 16 of 33 for Section A-A.
See Sheet 12 of 33 for Section D-D.
Support Boxes shall be rigidedly attached to cross frame beams and abutment backwall by adjustable brackets, stools or shims. Cost of attachement included in "Modular Expansion Joint - Swivel 6" ".

The Swivel Modular Expansion Joint shall be either MAURER Swivel system by D.S. Brown Co. or the WABO X-CEL system by Watson Bowman Acme Corporation. The joint shall provide for a $2\frac{5}{8}$" movement.

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the blockout is cast at an ambient tempurature other than 50° F.

Cover plates and slide plates shall be AASHTO M270 Grade 36 steel, and hot dipped galvanized according to AASHTO M111 after fabrication.

Countersunk Cap Screws and Concrete Inserts shall be Hot-dipped galvanized according to AASHTO M232.

The cost of furnishing the Cover Plates, Slide Plates, Countersunk Cap Screws, Stud Anchors, and the Installation of these items shall be included with "Modular Expansion Joint - Swivel 6" ".

For Reinforcing at Expansion Joint see Section D-D on Sheet 12 of 33.

Dimensions shown require field verification and coordination with the manufacturer and may require adjustment.

Modular expansion joints shall be assembled in their final relative position with the ends in place for shop inspection and acceptance.

MODULAR EXPANSION JOINT SWIVEL, 6" STRUCTURE NO. 101-0123

DESIGNED	PRD
CHECKED	RKM
DRAWN	PRD
CHECKED	RKM

rjngroup
Excellence through Ownership
200 West Front Street
Wheaton, IL 60187
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SHEET NO. 17 OF 33 SHEETS

F.A.P. RTE.	& F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	5146	1-HBR & 1-2HB-D	WINNEBAGO	216	133
			CONTRACT NO. 64B79		
FED. ROAD DIST. NO. 2		ILLINOIS	FED. AID PROJECT		