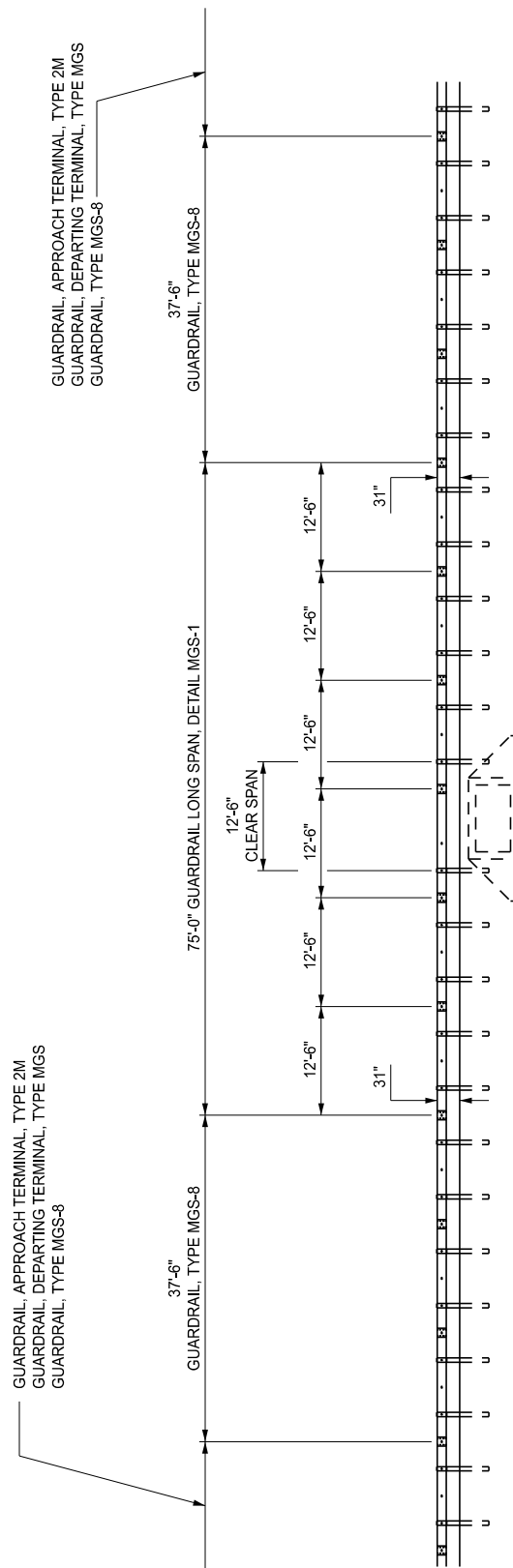


PLAN



ELEVATION
GUARDRAIL LONG SPAN, DETAIL MGS-1

APPROVED BY: _____
DIRECTOR, BUREAU OF FIELD SERVICES

APPROVED BY: _____
DIRECTOR, BUREAU OF DEVELOPMENT



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

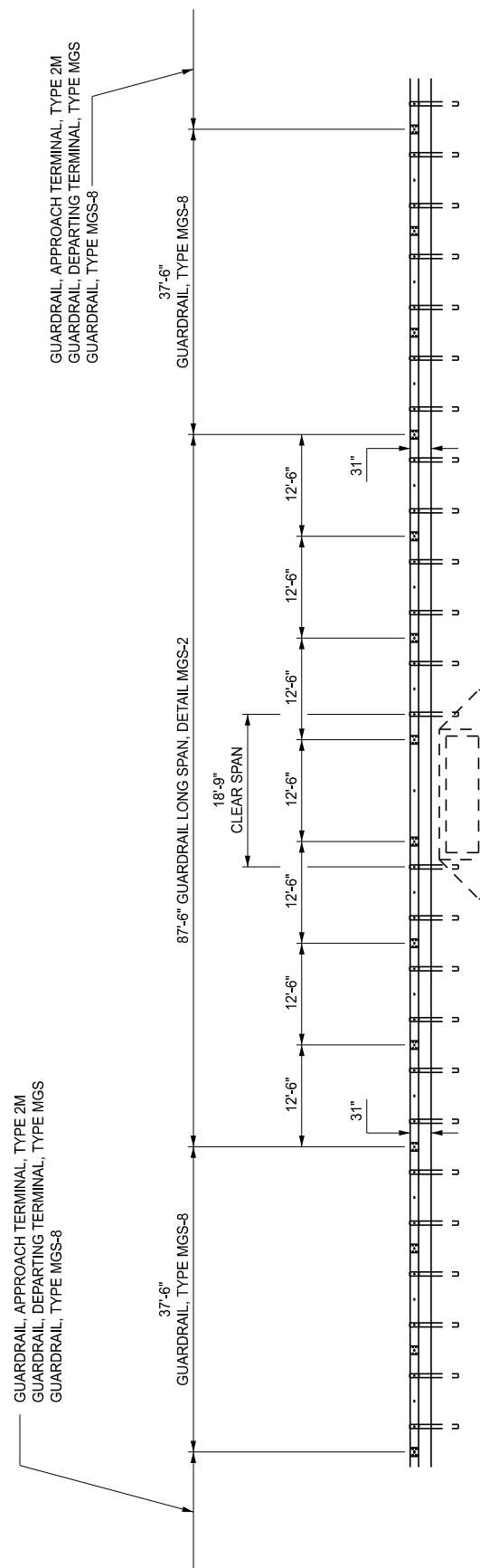
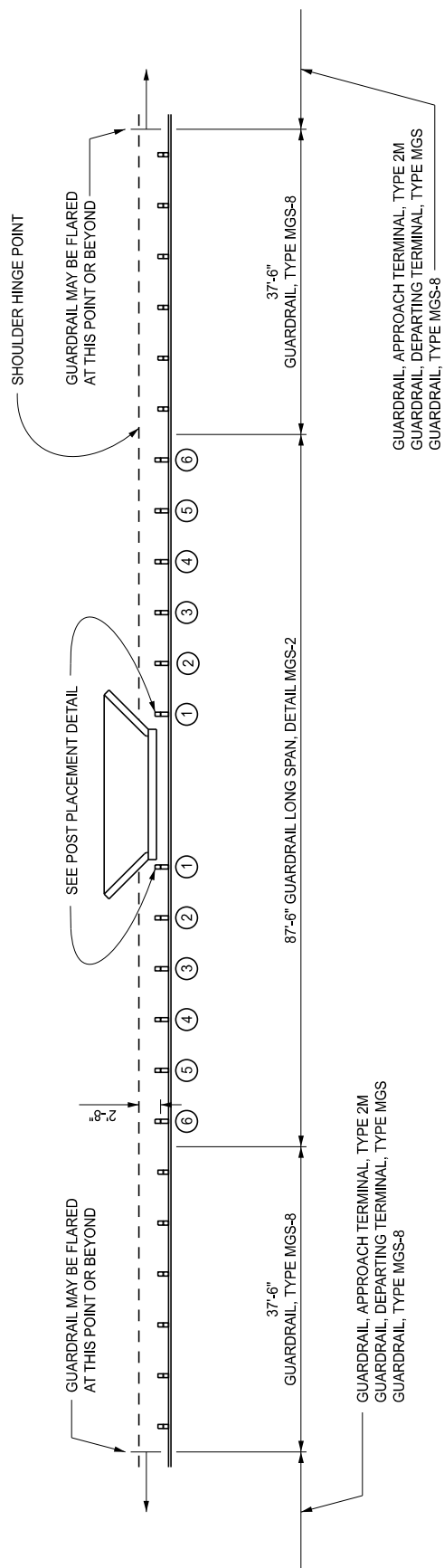
STANDARD PLAN FOR
GUARDRAIL LONG SPAN INSTALLATIONS

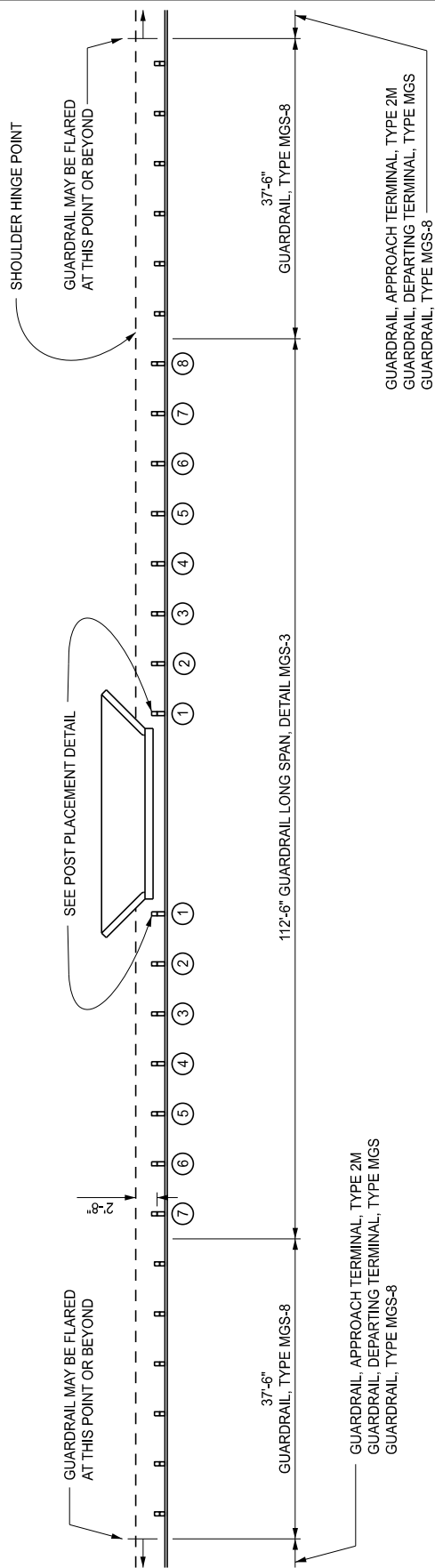
(SPECIAL DETAIL)
FHWA APPROVAL

04/25/2025
PLAN DATE

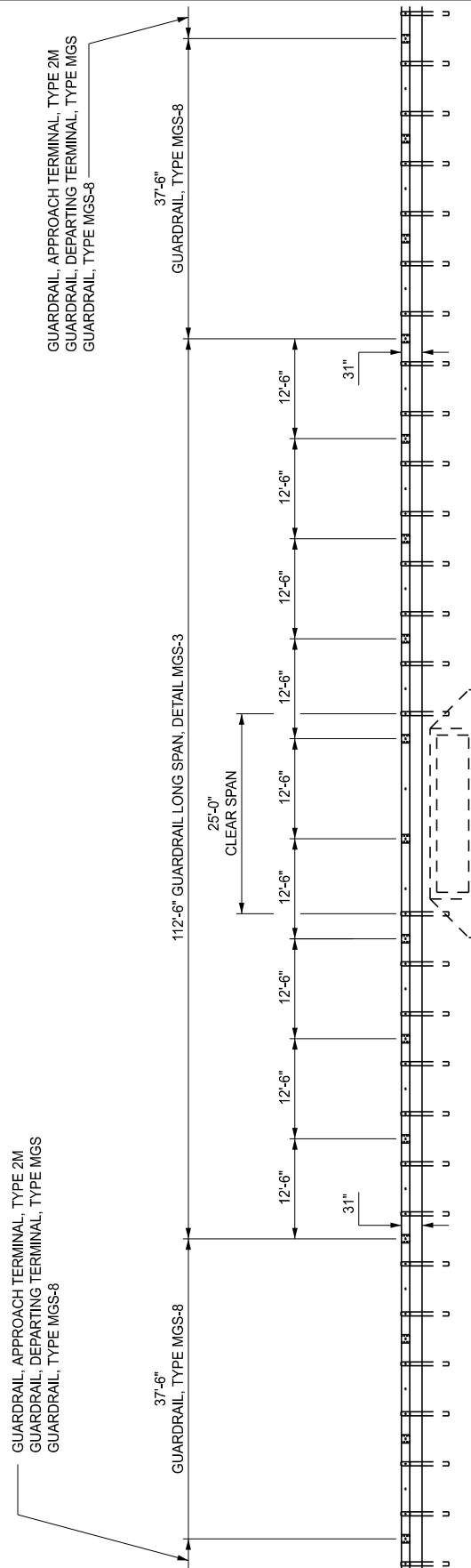
R-72-D

SHEET
1 OF 6





PLAN



ELEVATION
GUARDRAIL LONG SPAN, DETAIL MGS-3



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

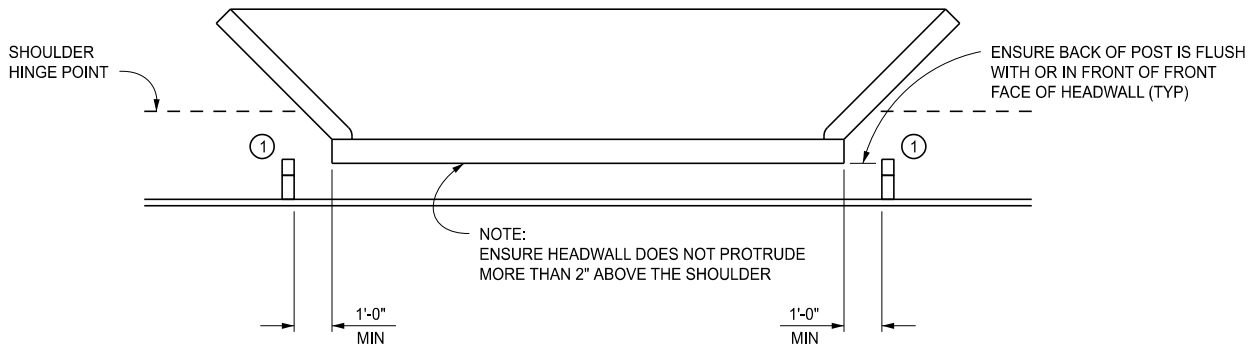
STANDARD PLAN FOR
GUARDRAIL LONG SPAN INSTALLATIONS

(SPECIAL DETAIL)
FHWA APPROVAL

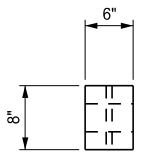
04/25/2025
PLAN DATE

R-72-D

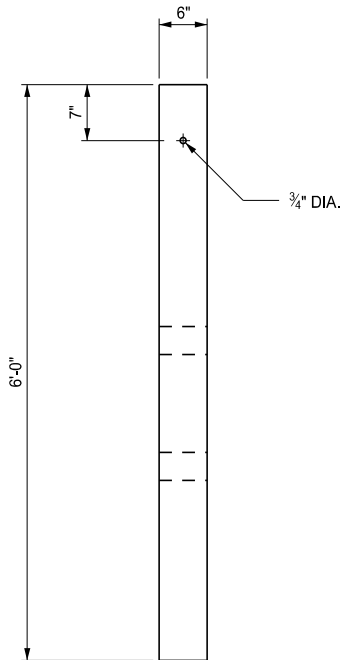
SHEET
3 OF 6



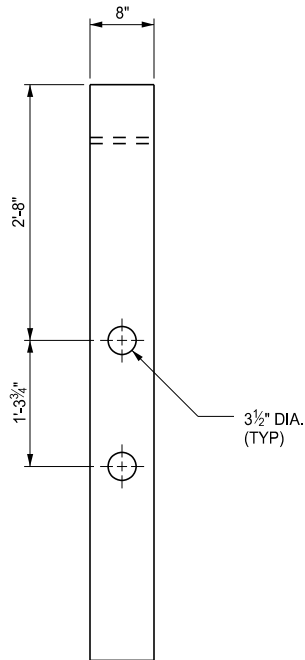
POST PLACEMENT DETAIL



PLAN

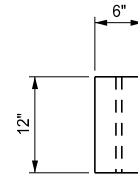


FRONT

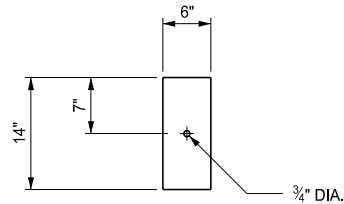


SIDE

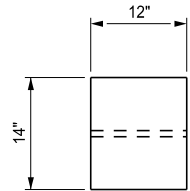
MGS-CRT POST



TOP

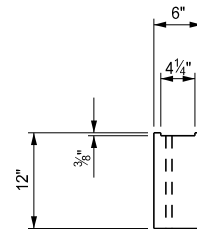


FRONT

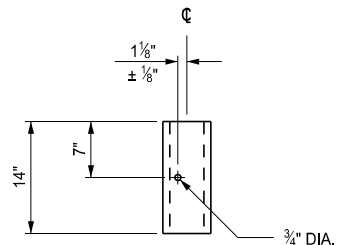


SIDE

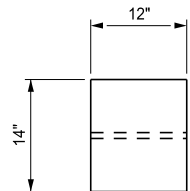
MGS 12" OFFSET BLOCK
USE ON WOOD POSTS



TOP



FRONT



SIDE

MGS 12" OFFSET BLOCK
USE ON STEEL POSTS



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

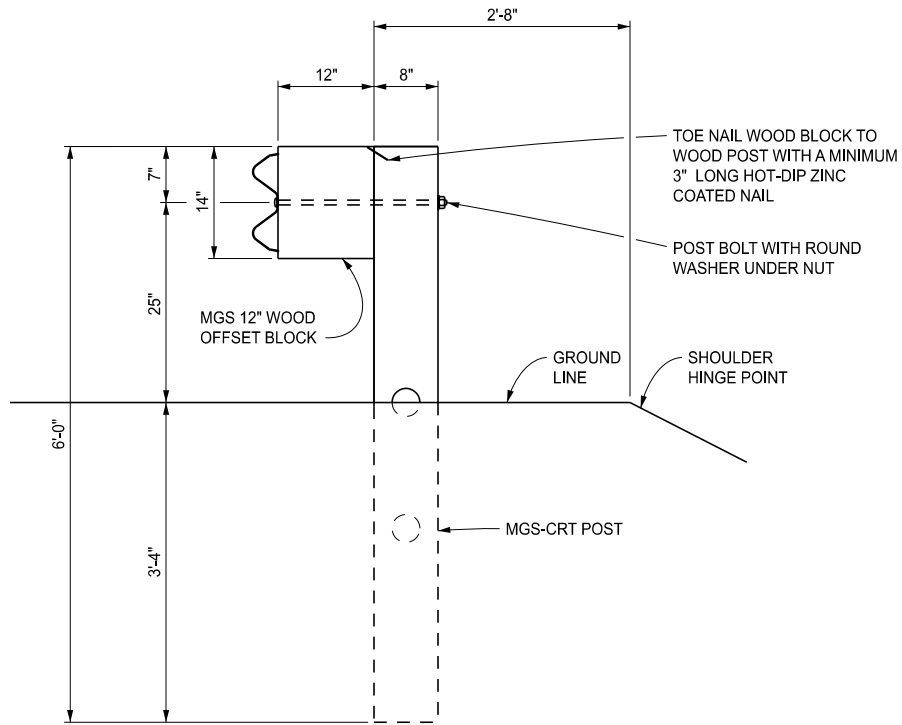
STANDARD PLAN FOR
GUARDRAIL LONG SPAN INSTALLATIONS

(SPECIAL DETAIL)
FHWA APPROVAL

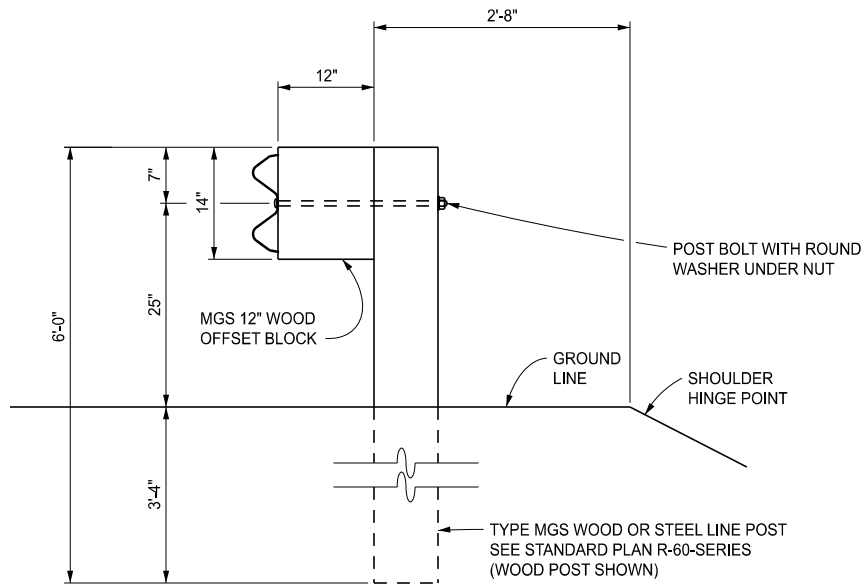
04/25/2025
PLAN DATE

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SHEET
4 OF 6



POST 1 THROUGH 3 DETAIL
GUARDRAIL LONG SPAN DETAILS MGS-1, MGS-2, & MGS-3



POST 4 THROUGH 6 DETAIL
GUARDRAIL LONG SPAN DETAILS MGS-1 & MGS-2

POST 4 THROUGH 8 DETAIL
GUARDRAIL LONG SPAN DETAIL MGS-3



DEPARTMENT DIRECTOR
BRADLEY C. WIEFERICH, PE

STANDARD PLAN FOR
GUARDRAIL LONG SPAN INSTALLATIONS

(SPECIAL DETAIL)
FHWA APPROVAL

04/25/2025
PLAN DATE

R-72-D


SHEET
5 OF 6

NOTES:

ENSURE ALL POSTS, OFFSET BLOCKS, BEAM ELEMENTS, AND HARDWARE (INCLUDING BOLTS, NUTS, AND WASHERS) CONFORM TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION AND STANDARD PLAN R-60-SERIES, WHERE APPLICABLE, EXCEPT WHERE NOTED ON THIS STANDARD.

ONLY USE THE GUARDRAIL MODIFICATIONS DETAILED ON THIS STANDARD WHERE 6'-3" POST SPACING AND POST EMBEDMENT CANNOT BE MET.

IF THE USE OF THIS DESIGN WOULD INTERFERE WITH THE POST SPACING WITHIN A GUARDRAIL BRIDGE ANCHORAGE AS SPECIFIED ON STANDARD PLAN R-67-SERIES, INVESTIGATE AND USE OTHER OPTIONS.

 Michigan Department of Transportation	STANDARD PLAN FOR GUARDRAIL LONG SPAN INSTALLATIONS		
	(SPECIAL DETAIL) FHWA APPROVAL	04/25/2025 PLAN DATE	R-72-D SHEET 6 OF 6