GENERAL NOTES

1. This drawing shall be used where W-beam guardrail is specified along the median side shoulder of a multi-lane divided roadway to shield the piers of tandem overhead structures.

2. The details on this drawing are typical guardrail layouts for shielding the piers of tandem overhead structures. The required length of guardrail shall be determined in accordance with Tables MPPG-1 and MPPG-2, and shall be as shown on the plans.

3. Dimensions and details not shown on this drawing shall be as shown on the plans.

TABLE MPPG-1

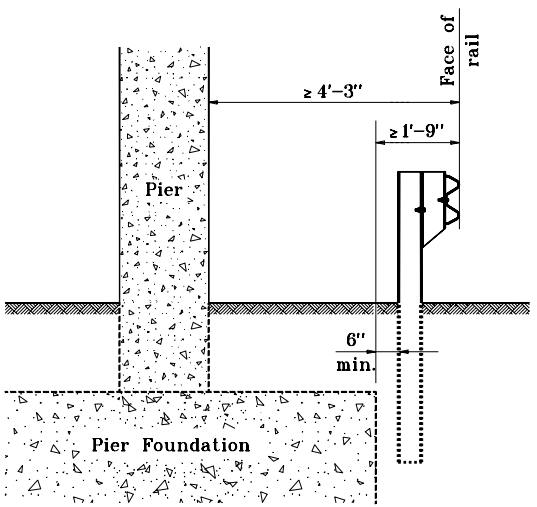
Outside (Right Side) Shoulder Pier
Approach Guardrail Lengths at Piers/Frame Bents
≤ 16' from Pavement Edge

Design speed mph	Pier End Inside Clear Zone	Pier End Outside Clear Zone	Guardrail Pay Length (ft)
	Required Minimum Length (ft) in Advance of the Pier/Frame Bent End		
≥ 50	>of the rounded calculated length of need or 100	100	Required minimum length minus 25' for GP transition
< 50	>of the rounded calculated length of need or 50	50	

TABLE MPPG-2

Outside (Right Side) Shoulder Pier
Approach Guardrail Lengths at Piers/Frame Bents
> 16' from Pavement Edge

Design speed mph	Pier End Inside Clear Zone	Pier End Outside Clear Zone	Guardrail pay length (ft)
	Required Minimum Length (ft) in Advance of the Pier/Frame Bent End		
≥ 50	>of the rounded calculated length of need or 30	100	Required minimum length plus length to shield pier face
< 50	>of the rounded calculated length of need or 15	50	



Guardrail to Pier Clearance

INDIANA DEPARTMENT OF TRANSPORTATION

MEDIAN PIER PROTECTION GUARDRAIL

SEPTEMBER 1997

STANDARD DRAWING NO. **E 601-MPPG-02**

ANTHONY L. UREMOVICH REGISTERED No. 18095 STATE OF INDIANA PROFESSIONAL ENGINEER

DESIGN STANDARDS ENGINEER

DETAILS PLACED IN THIS FORMAT	11-15-99
/s/ Anthony L. Uremovich DESIGN STANDARDS ENGINEER	11-15-99 DATE
/s/ Firooz Zandi CHIEF HIGHWAY ENGINEER	11-15-99 DATE
ORIGINALLY APPROVED	9-01-97