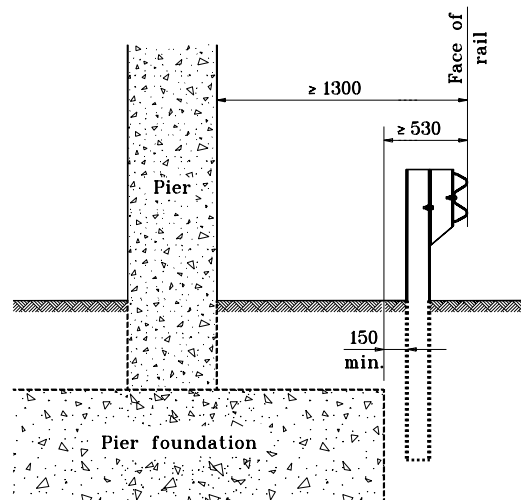


## GENERAL NOTES

1. This sheet shall be used when W-beam guardrail is specified along the outside shoulder of a multi-lane divided roadway to shield the piers of overhead structures.
2. The details on this sheet are typical guardrail layouts for shielding the piers of single or twin overhead structures. The required length of guardrail shall be determined in accordance with Tables P-2-1 and P-2-2, and shall be as shown on the plans.
3. Dimensions and details not shown on this sheet shall be as shown on the plans.

TABLE P-2-1			
Outside (Right Side) Shoulder Pier Approach Guardrail Lengths at Piers/Frame Bents ≤ 4.9 m from Pavement Edge			
Design Speed (km/h)	Pier End Inside Clear Zone	Pier End Outside Clear Zone	Guardrail Pay Length (meters)
≥ 80	>of the rounded calculated length of need or 30	30	Required minimum length
< 80	>of the rounded calculated length of need or 15	15	minus 7.62 for GP transition

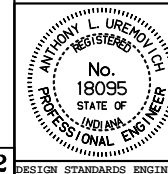
TABLE P-2-2			
Outside (Right Side) Shoulder Pier Approach Guardrail Lengths at Piers/Frame Bents > 4.9 m from Pavement Edge			
Design Speed (km/h)	Pier End Inside Clear Zone	Pier End Outside Clear Zone	Guardrail Pay Length (meters)
≥ 80	>of the rounded calculated length of need or 30	30	Required minimum length
< 80	>of the rounded calculated length of need or 15	15	plus length to shield pier face



**Guardrail to Pier Clearance**

All dimensions are in mm unless otherwise specified.  
**INDIANA DEPARTMENT OF TRANSPORTATION**  
**ROADSIDE PIER**  
**PROTECTION GUARDRAIL**  
 SEPTEMBER 1997

STANDARD DRAWING NO. **601-RPPG-03**



*/s/ Anthony L. Uremovich* 9-01-97  
DESIGN STANDARDS ENGINEER      DATE

*/s/ Donald W. Lucas* 9-01-97  
CHIEF HIGHWAY ENGINEER      DATE

**Source Sheet: P-2**