



300"[7620] LONG-SPAN, W-BEAM WITH 1,200"[30480] NESTED RAIL



SGR29a-b

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## INTENDED USE

300" [7620] Long-Span, W-Beam with 1,200" [30480] Nested Rail should be used in locations where the unsupported length of guardrail does not exceed 300" [7620]. Shorter unsupported lengths of nested guardrail sections are permitted, though 6 CRT (PDE09) timber posts are required, with 3 posts placed adjacent to each end of the unsupported length of guardrail. 300" [7620] Long-Span, W-Beam with 1,200" [30480] Nested Rail should be anchored and secured with the appropriate end treatment that is approved with a 27.75" [705] top mounting height. 300" [7620] Long-Span, W-Beam with 1,200" [30480] Nested Rail can be used with wide-flange steel posts (PWE06) or timber posts (PDE02) in the length of guardrail not immediately preceding the unsupported length of rail. Long-Span, W-Beam with 1,200" [30480]

## COMPONENTS

Unit Length = 750" (19050)

DESIGNATOR	COMPONENT	SYSTEM	NUMBER
FBB01	Guardrail splice bolts and nuts	a-b	40
FBB03	Guardrail post bolts and nuts	a	2
FBB04	Guardrail post bolts and nuts	b	2
FBB05	Guardrail post bolts and nuts	a-b	6
FWC16a	Round Washer	a-b	8
PDB01	W-beam timber blockout	a-b	6
PDB01	W-beam timber blockout	b	2
PDB09	Timber blockout	a	2
PDE02	Timber post	b	2
PDE09	Timber CRT post	a-b	6
PWE01	Wide-flange guardrail post	a	2
RWM02a	W-beam rail	a-b	12
-----	16D double head nail	a-b	2

## ACCEPTANCE

FHWA Acceptance Letter B58, October 8, 1999.

## REFERENCES

Polivka, K.A., Bielenberg, B.W., Sicking, D.L., Faller, R.<., Rohde, J.R., *Development of a 7.62-m Long Span Guardrail System*, Final Report to the Midwest States' Regional Pooled Fund Program, Midwest Roadside Safety Facility, Transportation Research Report No. TRP-03-72-99, Project SP(03)-17, Midwest Roadside Safety Facility, April 6, 1999.

Faller, R.K., Sicking, D.L., Polivka, K.A., Rohde, J.R., and Bielenberg, R.W., *A Long-Span Guardrail System for Culvert Applications*, Paper No. 00-0598, Transportation Research Record No. 1720, Journal of the Transportation Research Board, Transportation Research Board, Washington, D.C., January 2000.

## CONTACT INFORMATION

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