

## Design Memo 17-17, Attachment 1, Pay Items Associated with MGS W-Beam Guardrail and Related Systems

Pay Item	Description	Units	Unit Cost *	RPD 601-R-658d	Notes
601-12281	GUARDRAIL MGS W-BEAM, 6 FT 3 IN SPACING	LFT	\$20 per LFT	Sheets 2-5	
601-12282	GUARDRAIL, MGS W-BEAM, 3 FT 1.5 IN SPACING	LFT	\$40 per LFT	Sheets 2-5	
601-12283	GUARDRAIL, MGS W-BEAM, 1 FT 6.75 IN SPACING	LFT	\$55 per LFT	Sheets 2-5	
601-12284	GUARDRAIL, MGS W-BEAM, DOUBLE FACED 6 FT 3 IN SPACING	LFT	\$35 per LFT	Sheets 2-5	
601-12286	GUARDRAIL, MGS W-BEAM, SHOP CURVED, 6 FT 3 IN SPACING	LFT	\$25 per LFT	Same as MGS W-Beam	Applicable installed on radius of 150 ft or less.
601-12287	GUARDRAIL, MGS, LONG SPAN, TYPE 1	EACH	\$2700 per EACH	Sheets 2-4, & 8-9	Type 1 is for an 18'-9" w-beam span
601-12288	GUARDRAIL, MGS, LONG SPAN, TYPE 2	EACH	\$3100 per EACH	Sheets 2-4, & 8-9	Type 2 is for a 25' w-beam span
601-12289	GUARDRAIL MGS, HEIGHT TRANSITION	EACH	\$200 per EACH	Sheet 16	
601-12291	GUARDRAIL, MGS, TRANSITION WITH CURB	EACH	\$2500 per EACH	Sheet 11, & 13-15 + RPD 601-R-659d	
601-12292	GUARDRAIL, MGS, TRANSITION WITHOUT CURB	EACH	\$2600 per EACH	Sheets 12-15 + RPD 601-R-659d	
601-12293	GUARDRAIL, MGS, STRUCTURE, TOP-MOUNTED POST	EACH	\$350 per EACH	Sheet 10	Each post mounted to the structure is paid for separately. Do not adjust the LFT of MGS W-beam
601-12294	GUARDRAIL, MGS, W-BEAM, CABLE TERMINAL ANCHOR	EACH	\$900 per EACH	Sheets 17-22	

*\*MGS pay items do not have a bid history. Until a bid history has been established the unit prices shown may be used for estimating purposes.*

### Existing Pay Items for Guardrail End Treatments **See Design Memo 23-07**

Pay Item	Description	Units	Unit Cost	Notes
601-94689	GUARDRAIL, END TREATMENT, OS	EACH	Bid history	Continue to use existing pay item, but must include a supplemental description of 27 3/4" or 31" as appropriate. Where MGS W-beam or MGS W-Beam Transition will connect to the end treatment, use 31"
601-94690	GUARDRAIL, END TREATMENT, MS	EACH	Bid history	

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Design Memo 23-07 revised the use of supplemental descriptions for guardrail end treatments as follows

Pay Item	Description	Units	Notes
601-94689	GUARDRAIL, END TREATMENT, OS	EA.	Designers should coordinate with the INDOT Standards and Policy Division where a 27 ¾ in. end treatment is needed. Document the decision as a Level Two design exception. In these instances, the supplemental description "SKT 350" is required.
Pay Item	Description	Units	Notes
601-94690	GUARDRAIL, END TREATMENT, MS	EA.	Until there are multiple MASH-compliant devices on the Qualified Products List, the contractor will have the option to choose either a MASH-compliant device or an NCHRP 350-compliant device that is 31 in. and MGS-compatible.

Note: All MASH-compliant end treatments have a standard installation height of 31 in. ± 1 in. and accommodate the mid-span splice that is part of MGS w-beam guardrail. Some NCHRP 350-compliant devices are available in a 31-in., MGS-compatible configuration. Any time guardrail set at 27 ¾ in. connects to MGS w-beam guardrail or a 31-in. end treatment, an MGS Height Transition is required.