FEATURE 271
GUARDRAIL

Roadway Side	Allows Tie	LRS Package	Feature Type	Interlocking	Secured
R/L	No	No	Total	No	Yes
Responsible Party for Data Collection	District Office of Maintenance				

Definition/Background: Guardrails, handrails, and barrier walls are installed to guide vehicular and/or pedestrian traffic away from various hazards in and adjacent to the travel way and where slopes exceed 3:1. Notes the length of various types of guardrail maintained.

Do not duplicate sub-section inventories. Boardwalk or wood sidewalks used to connect two concrete sidewalks over a ditch or obstacle should be coded in RCI under Feature 271 for handrails and Feature 217 for sidewalks.

If the below characteristics are located at a rest area, ramp, or other applicable sub-section, they are to be inventoried against the applicable sub-section number.

*The additional rail, rub rail beneath the standard or double guardrail will be coded under SPCGRAIL Miscellaneous Guardrail.

Special Situation: In the image to the right, white PVC handrail starts being recorded as miscellaneous guardrail where it is attached to the sidewalk area. The rest of the white PVC, found behind the sidewalk in the grassed area, should be considered Feature 272 Fencing and recorded under OTHERFCS.

BARRWALL | BARRIER WALL LENGTH

HPMS	MIRE	Who/What uses this Information	Required For	Offset Direction	Offset Distance
N/A	N/A	Maintenance Offices	All Active On and Active Exclusive roads, including managed lanes.	N/A	N/A

How to Gather this Data: Code the length, to the nearest thousandth of a mile, of barrier wall along the roadway. Do not inventory bridge barrier walls. Separate entries are required for the right and left sides of the roadway.

Value Barrier Wall Length: 4 Bytes: X.XXX

DBLGRAIL | DOUBLE FACE GUARDRAIL LENGTH

HPMS	MIRE	Who/What uses this Information	Required For	Offset Direction	Offset Distance
N/A	N/A	Maintenance Offices	All Active On and Active Exclusive roads, including managed lanes.	N/A	N/A

How to Gather this Data: Code the length, to the nearest thousandth of a mile, of double-faced guardrail along the roadway. Double-faced thrie beam guardrail may be included. Separate entries are required for the right and left sides of the roadway.

Value for Double Face Guardrail Length: 4 Bytes: X.XXX

SPCGRAIL | MISCELLANEOUS GUARDRAIL LENGTH

HPMS	MIRE	Who/What uses this Information	Required For	Offset Direction	Offset Distance
N/A	N/A	Maintenance Offices	All Active On and Active Exclusive roads, including managed lanes.	N/A	N/A

How to Gather this Data: Code the length, to the nearest thousandth of a mile, of miscellaneous, i.e., ribbon type, concrete, wood, or aluminum, along the roadway. Special type tubing handrails, non-bridge, and rub rail (Index 400) may be included. Separate entries are required for the right and left sides of the roadway.

Value for Misc. Guardrail Length: 4 Bytes: X.XXX

STDGRAIL | STANDARD GUARDRAIL LENGTH

HPMS	MIRE	Who/What uses this Information	Required For	Offset Direction	Offset Distance
N/A	N/A	Maintenance Offices	All Active On and Active Exclusive roads, including managed lanes.	N/A	N/A

How to Gather this Data: Code the length, to the nearest thousandth of a mile, of standard guardrail along the roadway. Single faced three beam guardrail may be included. Separate entries are required for the right and left sides of the roadway.

Value for Standard Guardrail Length: 4 Bytes: X.XXX