Shoulder Backup, Delineation and Signing Policy for LCP and Pug Mill Projects

This policy is established to clarify the expectations for shoulder backup, delineation and signing associated with Light Capital Paving (LCP) and Plant Mix Recycled Asphalt Pavement (PMRAP/Pug Mill) Projects.

The following two sections include amended excerpts from the previously adopted *"Work Zone Signing for Maintenance Surface Treatment Projects"* Policy. These standards shall be applicable to both LCP and Pug Mill projects.

LOW SHOULDER & SHOULDER DROP OFF SIGNS:

A LOW SHOULDER supplemental plaque (12" x 24") will be mounted directly below the WORK AREA AHEAD where the shoulder drop-off is 1 to 3 inches.

A SHOULDER DROP OFF sign (3' x 3') will be used on all projects where the shoulder drop-off is 3 inches to 6 inches. If the shoulder drop off exceeds 6 inches, channelizing devices shall be spaced at no more than twice the posted speed limit and backup shall occur as soon as practicable and within three (3) calendar days.

PANEL MARKERS & RPM's:

Panel markers or white rpm's shall be installed at those locations where the vertical drop-off is 1 to 3 inches. They shall be spaced 500 feet apart longitudinally. Where the drop-off exceeds 3 inches along curved sections of roadway, they shall be spaced at no more than twice the posted speed limit.

Sign Application	Project Type	
	Light Capital Paving (LCP)	PMRAP/Pug Mill
ROAD WORK AHEAD[2]	500' in advance of project limits	500' in advance of project limits
ROAD WORK NEXT XX MILES	At begin point of project	At begin point of project
END ROAD WORK	N/A	At project termini
LOW SHOULDER plaque	Optional	Drop-off up to 3"
SHOULDER DROP OFF	Optional	Drop-off exceeds 3"
Panel Markers	When drop-off is equal to, or exceeds, 3" *	When drop-off is equal to, or exceeds, 3" *
Temporary Overlay Markers (TOMs)[1]	On centerline (yellow)	On centerline (yellow) and edgeline (white)**
UNEVEN LANES	N/A	When difference in lanes is 2" or more
BUMP	N/A	When bump exceeds 3"
GROOVED PAVEMENT	N/A	At starting points of milled section
ONE LANE ROAD AHEAD[3]	Part of work area sign array	Part of work area sign array
FLAGGER[3]	Part of work area sign array	Part of work area sign array

Notes:

* Panel markers spaced as needed, but not greater than 300 feet apart

** On projects with a drop-off that is less than or equal to 3", white TOMs may be used in place of panel markers.

[1] When TOMs are used to replace pavement markings (white or yellow) they shall be spaced 40 feet apart.
[2] ROAD REPAIR AHEAD may be used, but should be placed on side road approaches if adequate ROAD WORK AHEAD signs are available for the project roadway.
[3] See typical Traffic Control Plan (TCP) for use of these mobile signs.

BACKING UP PAVEMENT:

Delineation of drop-off by vertical panel markers, as specified above, is to be completed each day.

If the drop-off at the edge of pavement is 1" or less, no backup is required.

Total width to edge of pavement, from centerline, is less than 14 feet:

- If drop-off is 3" or more, pavement backup must commence within 2 days.
- If drop-off is less than 3", pavement backup must commence within 15 days

Total width to edge of pavement, from centerline, is 14 feet or greater:

- If drop-off is 3" or more, pavement backup must commence within 14 days
- If drop-off is less than 3", pavement backup must commence within 30 days

INSTALLATION AND REMOVAL OF WORK ZONE SIGNING:

Construction signing shall be covered when installed in advance of the project and shall be removed immediately following the completion of the work. "Completion of the work" shall include all paving and placement of any gravel and backup materials; however, it does not include completion of all striping. Since striping is deemed a maintenance activity, construction signing may be removed when striping is the only remaining activity to be accomplished.

Dale Doughty
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Date

As of the date indicated above, this policy shall supersede any policy or guidance that may have previously existed regarding this specific subject.