



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
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Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Acting Secretary

MEMORANDUM

TO: Chief District Engineers

FROM: Steven K. Waddle 
Acting State Highway Engineer

DATE: July 15, 2010

SUBJECT: Revision to Permits Policy Manual
Permit Construction Requirements
Improved Paving Practices

Section 403 Compaction, current edition of Standard Specifications for Road and Bridge Construction, gives the requirements for asphalt mixture compaction. Asphalt mixtures on permit projects should be placed under option B which does not require field density test but relies on equipment and placement procedures.

Compaction under option B requires a tandem roller weighing at least 10 tons and having a compressive capability on the rear wheels of at least 325lbs. per linear inch. In order for the roller to apply the proper compactive effort, the roller must be equally distributed on the mat. We have traditionally placed the taper material from no width to full width. Once the taper width goes below the width of the roller, the proper compactive effort cannot be obtained. This causes maintenance problems as this uncompacted material breaks down under traffic.

No pavement should be placed that is less than the width of a roller on permit projects.

This policy change will be made in the Permits Policy Manual upon its next revision.

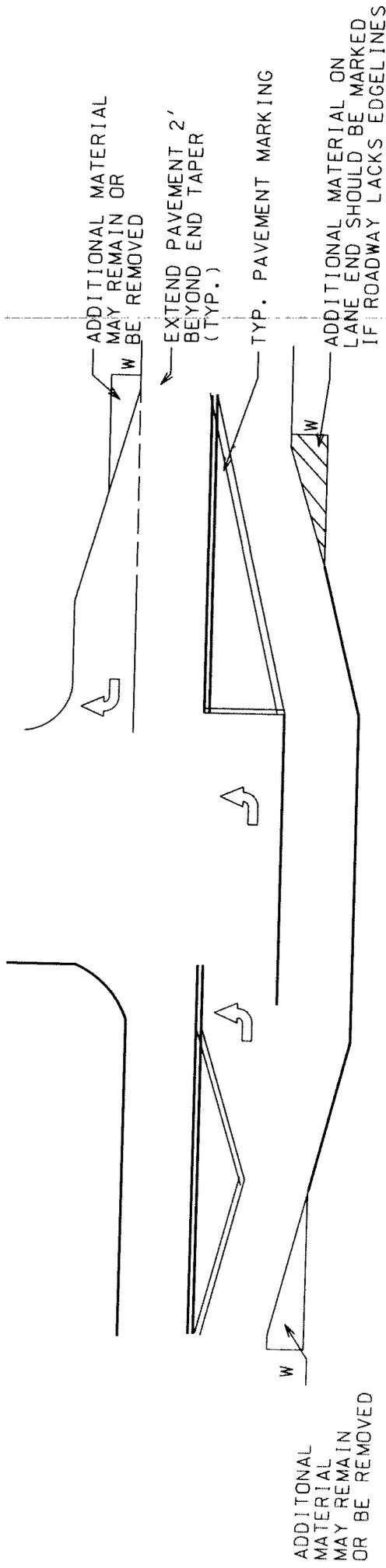
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IMPROVED PERMIT PAVING PRACTICES



W = WIDTH OF ROLLER

NOTES:

- NO PAVEMENT SHOULD BE PLACED LESS THAN A ROLLER WIDTH
- ADDITIONAL PAVEMENT WIDTH MUST BE SAME PAVEMENT DESIGN AS DRIVING/TURNING LANE