

## Pavement Marking Updates

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**Q: Correct Chester that the QPL is now listed in the Specifications as the APL (Approved Products List).**

A: Ok. Thank you.

**Q: Are you saying that on an asphalt road you must use rumble striping instead of profiled thermoplastic?**

A: Yes, on roadways that meet the policy for the audible & vibratory markings.

**Q: For concrete bridges, should I use the profiled thermoplastic?**

A: No, you need to be using permanent tape. The only exception is if it is being used as a mitigation measure for an exception on bridges with narrow shoulders.

**Q: Use rumble striping on the CLs on two-lane asphalt roads?**

A: Yes. If the roadway meets the policy, then the rumble striping goes on the centerline and edge lines. See the IDS for more information on where it goes.

**Q: Chester keeps stressing that the Profiled Thermo and Rumble Striping are to be used on "ALL" roadways, however each respective bulletin says for all RURAL facilities w/ posted speed > 50mph... Which is correct?**

A: Refer to the bulletin for the requirements. Chester is referring to the change in policy for centerlines on two lane roadways from roadways that have a cross over crash rate which is 4 times greater than statewide average to the new policy which includes centerlines on all two lane roadways. All projects still have to meet the other rural, 50 mph criteria.

**Q: Where is the flowchart?**

A: It is included with the Roadway Design Bulletin 15-02.

**Q: In the bulletin 15-01, 701-1A-BCD pay item seems to have conflicting dates. The class "A" shows 7 C=1 or 2, effective 7-1-15 but "C" shows 1 only valid through 6-30-15.**

A: That's one of those typos Missy mentioned may be in there. That should be C= 0 or 1 valid 7/1/15. 1 is only valid through 6/30/15.

**Q: These changes are effective for projects with what letting date?**

A: Letting dates beginning in July 2015.

**Q: How will this work if thermoplastic will be placed after project completion through a separate contract?**

A: I assume you are referring to rumble striping. The grinding for the rumble striping will be done as part of the project and the final surface paint should cover the paint options. You need to read the IDS for Index 519 which indicates an extra coat of paint needed for rumble striping.

**Q: Since permanent tape will be used on all bridges, will the thermoplastic be placed on top of the permanent tape when thermoplastic is used on a bridge?**

A: The permanent tape will be the permanent marking. No, thermoplastic will not be installed over it.

**Q: Everything will be released tomorrow (1/28/15) right?**

A: That is the scheduled date. It will be released as soon as all the changes are made to the databases for the 2 versions of the software.

**Q: On the preformed tape pay item (713-1AA-BCD old) the solid pavement marking is valid through 12-31-13. However, the Permanent Tape Pay Item (713-1AA-BCD) is only effective from July 2015. Which Pay Item should we use for projects being submitted between now and July?**

A: The solid tape item was not valid for 1/2013 to 6/2015. I will ask about allowing the solid item for January-June 2015.

**Q: Is a consideration being given to segregation 2-4 skip and 6-10 skip? This will make quantifying easier.**

A: Per the spec, "the gross mile measurement will be taken as the distance from the beginning of the painted line to the end of the painted line and will include the unmarked gaps for skip and dotted line." There is no need to quantify these differently.

**Q: According to current BOE "Dotted, 2-4 Guideline, and 6-10 Gap Extension Through Cross-over Area stripes are also paid per LF, due to the walking/hand application required..." How are those rates/prices comparable now that the unit becomes GM when you look at small (hand-applied) vs. large projects (machine)?**

A: There are separate bid prices/pay items for the 10-30 skip (big quantity) vs. 2-4 dotted or 6-10 dotted (small quantity), even though both are GM.

**Q: I was hearing that thermoplastic was now being included in design contracts (as final surface instead of just 2 coats of paint)? Is that the case? (I'm referring to District 4)**

A: The district may choose on a project-by-project basis, whether to include the permanent markings in construction, or to have a separate contract. The old policy that Districts have to decide on one way of installing the markings has ended.

**Q: It seems like we've made striping too complicated in design?**

A: We were finding that too many designers were getting it wrong and this is why the changes were made. The new guidance was supposed to make it easier to get it right.

**Q: According to the 519, we must also include 710 items for extra paint when using rumble striping?**

A: Yes, that is correct. Thank you for reading the IDS.

**Q: What about the pay item for the 8 inch solid line?**

A: 8" is normally used for interchange and urban island locations. This item will be paid per GM, and is available for applicable materials.

**Q: If the Thermo is included as part of the construction contract, does the current 710-90 Final Surface note apply, or does it need to change?**

A: It still applies. The Tabulation of Quantities Sheet will show quantities for items included in (Final Surface) for one application. The note states "see, Specification 710 for the number of applications required". The workbook changes to the 710 Specification will show the number of coats needed for when the permanent markings are included in the plans and when the permanent markings are not included in the plans.

**Q: Design Standard 519, Note 5. Clarification...**

A: The final surface markings require the final retro-reflective pavement markers (RPM's) to be installed with the pavement markings. This will occur prior to the grinding operation for the rumble striping. Due to the location of the RPM's on the two lane center line markings there may be a conflict with the RPM's and the width of the grinding drum. Note 5 is intended to cover this issue.

**Q: Will there be a striping matrix released as before showing the different striping types and when to use them?**

A: No, the flow chart and the PPM language on use of each material will replace the matrix.

**Q: If our project is past Constructability, we have yet to calculate quantities, should we use the new**

**pay items?**

A: If your project has a letting date of July 2015 or later all the revisions apply.

**Q: Our Bid ability submittal is in March?**

A: If your bid ability review is in March, then the letting date will more than likely be in July or later.

**Q: Would 711-1A-BCD old (valid through June 2015) pay items that are open be published?**

A: Yes- the old structure will remain for projects let through June 2015.

**Q: Can you repeat what you just mentioned about no longer any 8"?**

A: 8" is still valid for applicable materials (709, 710, 711), for interchange markings and urban islands, per GM. The LF pay items will be blocked after 6/30/15.

**Q: Is permanent tape required for concrete pavement as well as for concrete bridges?**

A: It is required for all longitudinal lines on bridges and only the lane lines (i.e. white 10-30 skip) for multi-lane concrete pavements.

**Q: Maybe not in this forum, but could we clarify the use of 710-90? Designers sometimes call for paint MOT items, plus 710-90 for the last paint coat, plus the thermo items. I think the 710-90 final surface paint in this case is superfluous.**

A: The 710-90 pay item should be for all the paint that is applied to the final friction course. All other paint items applied prior to this should be tabulated as paint for MOT. The advantage of separating these items is that the final surfacing quantities should be the same quantities for the permanent pavement markings. This is especially helpful when the permanent markings are installed in a separate contract.

**Q: Has Thermoplastic Hotspray been evaluated by the department? Will it have more longevity than durable paint?**

A: The evaluation of the thermoplastic hot sprays on the APL was only for one year. The evaluation of the durable paints is currently at 18 months. The durable paints have performed at a higher retroreflectivity than the hot sprays. The use of either product must be coordinated with the Maintenance Office.

**Q: When will the revised D&C Manager DDB file be available? I have a project due in two weeks for letting after July.**

A: It is scheduled to be released on 1/28/15. It will be released as soon as all the changes for these updates has been made for the software.

**Q: Do we show 710-90 as a line item on the Tabulation of Quantities in addition to the asterisks and statement at the bottom of the tabulation table?**

A: No. The asterisks are for the note referencing the 710-90 item.

**Q: Use of 710-90 in writing would really help. Thanks**

A: Pay Item 710-90 is covered in writing in Section 710 of the specifications and in the PPM.

**Q: Is there a high performance pavement marking tape that is white/black (for 10-10-20 skips) to be used on concrete surfaces?**

A: Yes. All the manufactures can furnish the trailing contrast option. Note: The term "High Performance" is no longer a part of the specification. The 713 products are now identified as "Permanent Tape".

**Q: Will Construction be issuing a DCE Memo that would allow the rumble striping be added to existing jobs?**

A: The Construction Office will be sending out a memo that will allow replacing the audible and vibratory markings on a project with rumble striping.

**Q: In order to use the latest Pay Items in the Design & Computation Manager, do we have to wait for the latest SS3 update?**

A: The MR for SS3 was released January 16th. It does NOT include these pay item changes. You can update your own ddb to use the correct pay items or wait until it is posted for your use.

**Q: Is there a pay item for non-conflict removal?**

A: Yes, it will be specific to the material to be removed (i.e. 710 paint, 711 thermo, etc.).