ROADWAY BULLETIN NCDOT CONSTRUCTION UNIT



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2024 CHANGES TO PORTABLE CONCRETE BARRIER

Section 1170 of the 2024 Standard Drawings now shows MASH crash tested and PCB (F Shaped K-Wall). An easy way to tell if your barrier is the MASH approved K-Wall is it will include 3 blockouts for anchorage.

K-WALL WITH 3 BLOCKOUTS (ON BOTH SIDES)



It is important to note, when it is an unanchored run of PCB, the new K-Wall barrier requires it's last 4 sections to follow an anchoring sequence before terminating at a temporary crash cushion. This is detailed in Standard 1170.01 Sheet 5, as shown below. This anchorage is incidental to the barrier and will be noted in a Special Provision included with contracts with PCB.

PCB that already was required to be anchored should be fully anchored as required by the plans and standards and will be paid as anchored barrier.

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- 1. 2024 Changes to PCB
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- 3. Updated M&T 903

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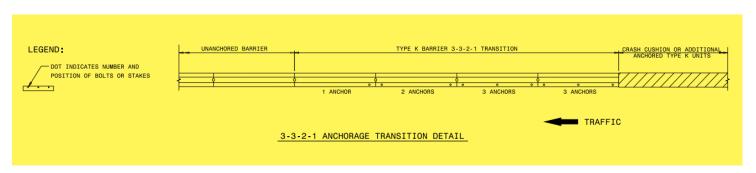
Have suggestions for future Construction Bulletins?

Email:

NOTE IN PORTABLE CONCRETE BARRIER SP (12/17/24)

As shown in the Roadway Standard Drawings, No. 1170.01, anchorage transition sections between Portable Concrete Barrier and Temporary Crash Cushions as found in Section 1160 will be measured and paid as Portable Concrete Barrier. No additional payment will be made for equipment, materials or labor to meet the anchorage transition requirements.

DETAIL SHOWN IN STANDARD 1170.01 SHEET 5

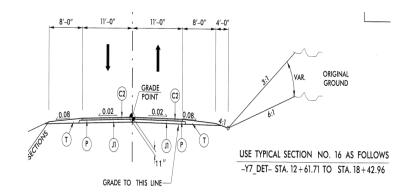


NOTE TO RESIDENT ENGINEERS: PRIME COAT ON TEMPORARY PAVEMENT

Prime coat is typically used as part of the NCDOT pavement design when a thin lift of asphalt surface is placed directly on an Aggregate Base Course layer. The prime coat acts to waterproof the ABC layer or subgrade while promoting the adherence of overlaying asphalt surface to the granular base. Prime coat is applied at a heavier rate than other asphalt emulsions, so care must be taken to apply it correctly. Asphalt paving companies should clean the asphalt distributor between loads of tack coat material and prime coat material.

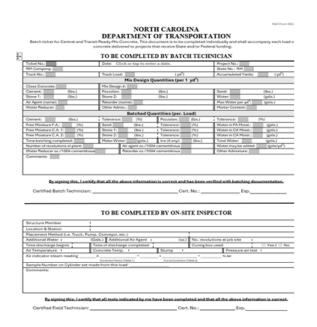
Due to these challenges and the cost of the prime coat application versus the short-term benefits, the NCDOT is working to inform our design engineers that temporary pavements in place less than 6 months do not need a prime coat.

If you have plans where a prime coat is detailed for temporary pavement, please contact your Division Construction Engineer and your Area Construction Engineer to follow through on the recommendation to delete it from the pavement structure.



UPDATED M&T 903 FORM COMING IN 2025!

Be on the lookout for an updated M&T 903 form coming to your projects as soon as January. The form captures the required batching information and makes it easier for inspectors to determine how much water can be added at the jobsite. More information and details are available through the Materials and Tests Unit. A copy of the memo can be found here.



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