



INDIANA DEPARTMENT OF TRANSPORTATION

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MITCHELL E. DANIELS, JR., Governor  
THOMAS O. SHARP, Commissioner

March 29, 2005

Writer's Direct Line

MEMORANDUM  
05-06

**TO:** District Directors  
District Construction Engineers  
Toll Road Operations Engineer  
District Material & Tests Engineers  
District Area Engineers  
Project Engineers/Supervisors

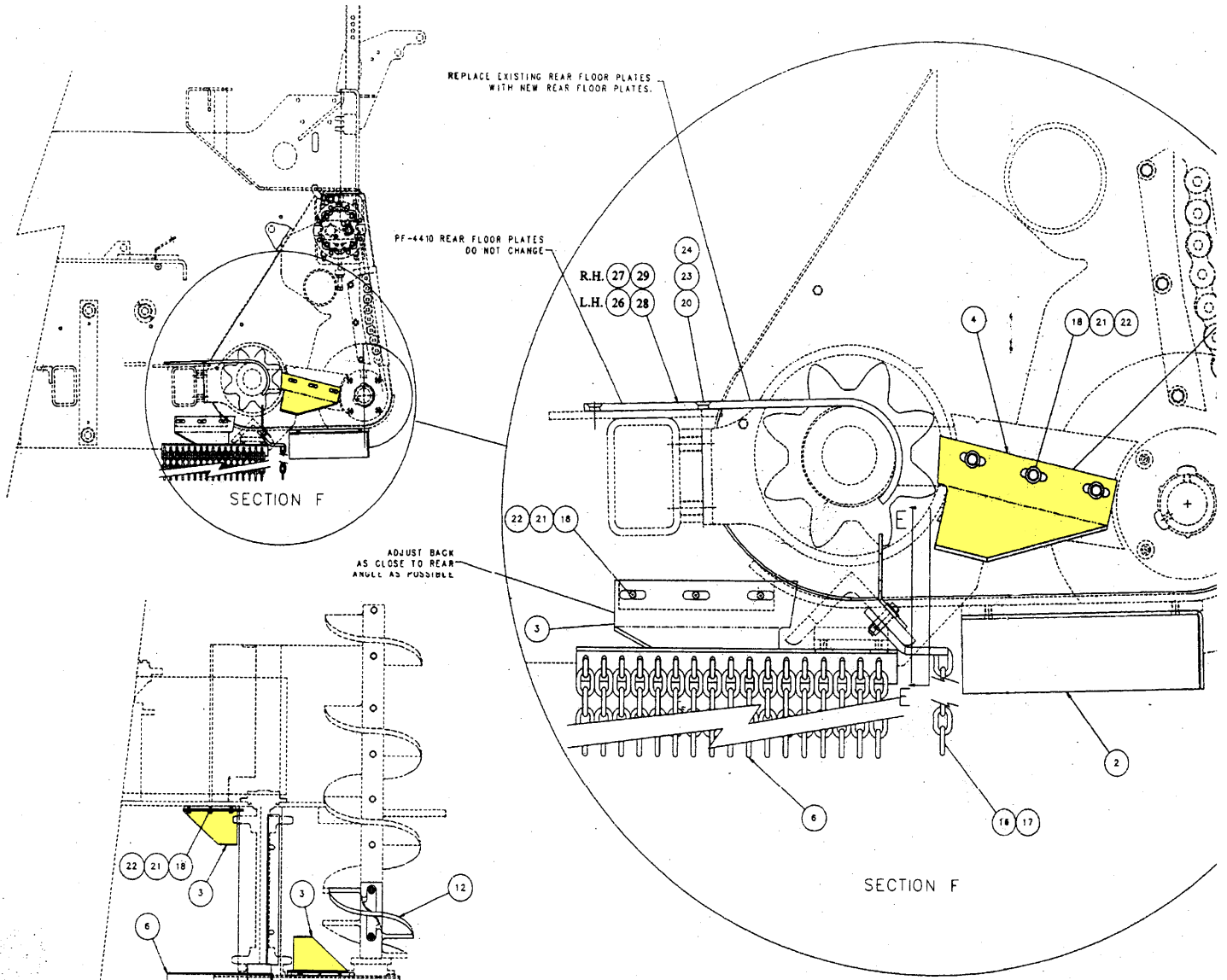
**FROM:** Dennis A. Kuchler, Chief  
Contracts and Construction Division 

**RE:** Hot Mix Asphalt (HMA) Paver Modifications

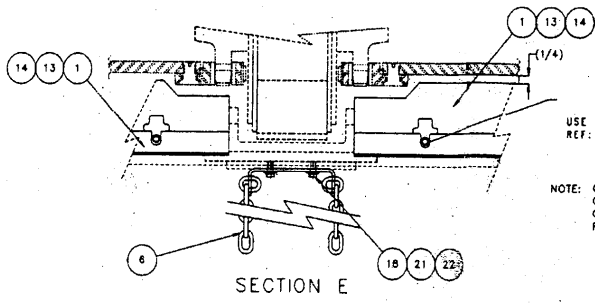
At the Standards Meeting on February 17<sup>th</sup>, 2005 specifications were passed dealing with modifications that need to be made to various contractors' paving equipment. Our HMA specifications (401.10, 402.10, and 410.10) will require that specific modifications be made to pavers manufactured by Blaw-Knox, Cedar-Rapids, Barber-Green, or Caterpillar. Contractors are encouraged to make these appropriate modifications as soon as possible but they **must be made by January 1, 2006**. HMA pavers manufactured by other companies should be monitored during the lay down process and operations should cease if segregation is observed in accordance with current specifications.

The problem that has been discovered is that the pavers above induce segregation of the coarse aggregates in the mixtures, which is directly related to the long-term performance of the pavement. The new specification requirements are intended to address longitudinal top-down cracking, principally in the center of the mat and in the areas of the slats that may or may not be visible at the time of paving. These new requirements are not a substitution for good material management on projects that would otherwise eliminate segregation noted during construction activities. Segregated HMA mixtures will not be permitted to stay in place as our existing specification state. The contractor is required to submit a Certificate of Compliance to the PE/S on each project that one of the above mentioned pavers is used and shall demonstrate to the satisfaction of the PE/S that the modifications to the paving equipment have been made. The Certificate of Compliance shall also include literature and pictures from the manufacturer detailing what specific paver modifications were implemented. Attached to the back of this memorandum is a typical sketch showing the shape and location of the plates that are needed to modify most pavers. Actual details for your specific paver should be provided with the Certificate of Compliance by the contractor.

DAK:dak



SCALE 3.0 : 1



NOTE: REMOVE EXISTING REAR FLOOR PLATES WITH GUARDS TO C

USE EXISTING HARDWARE  
 REF: CAPSCREW 1/2 (0003)  
 NUT 1/2 (00083-053)  
 FLATWASHER 1/2 (00)

NOTE: BRUSHING W/D 100  
 CAPSCREW 00034-178  
 CAPSCREW 00034-176  
 PROVIDE IN COMT. CHA

CONVERSION CHART	
.00	0
.06	1/16
.13	1/8
.19	3/16
.25	1/4
.31	5/16
.38	3/8
.44	7/16
.50	1/2
.56	9/16
.63	5/8
.69	11/16
.75	3/4
.81	13/16
.88	7/8
.94	15/16
1.00	1

