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| REVIEW OF NEW SPECIFICATION OR SPECIFICATION CHANGE | | | | **Log No.**  401-70 |
| **Specification Section No.:** 401 | | | **Item:** Compaction of Hot Mix Asphalt | |
| **Originating Office:** Region 6 | | | **By:** Masoud Ghaeli | |
| **Date Sent For Review:** September 3, 2010 | | | **Date Comments Due: October 1, 2010** | |
| Please submit response to: STANDARDS AND SPECIFICATIONS UNIT, ROOM 290, HEADQUARTERS, DENVER | | | | |
| **Reviewer** | **Concurrent Reviews – Others Commenting** | | The attached Draft Specification is submitted for your review and comments. If not returned by Date Comments Due, the draft specification will be considered to be approved unless the Specification Unit of Staff Design [(303) 757-9474, (303) 757-9402] is advised otherwise.  **REMARKS:**  If these proposed modifications are approved, our unit will issue these as revised version of this standard special provision | |
|  | **Spec Committee Members:** |  |
|  | Chairman: Wassenaar | X |
|  | Region 1: Cox | **X** |
|  | Region 2: Burch | **X** |
|  | Region 3: Alexander | **X** |
|  | Region 4: Frieler | **X** |
|  | Region 5: Beller | **X** |
|  | Region 6: Koenig | **X** |
|  | Project Development: Lacey | **X** |
|  | Specifications: Brinck | **X** |
|  | Bridge: Hasan | **X** |
|  | Agreements: Wassenaar | **X** |
|  | Materials: Zufall | **X** |
|  | Traffic Engineering: Matthews | **X** | REVIEWER COMMENTS:  ( ) Approved ( ) Disapproved ( ) Modified  If disapproved or modified, give reason why and show any modifications on the attached draft copy:    \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_  Name/Signature Date | |
|  | Maintenance: Mueller | **X** |
|  | FHWA: Urban | **X** |
|  | Attorney General: Spear | **X** |
|  | Attorney General: Morrow | **X** |
|  |  |  |
|  | **Others:** |  |
|  | Colorado Contractors Assoc.: Moody | **X** |
|  |  |  |
|  | **Technical Committees:** |  |
|  | Bridge |  |
|  | Culvert |  |
|  | Joint Co-op, CCA/CDOT |  |

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| SUBMITTAL OF NEW SPECIFICATION OR SPECIFICATION CHANGE | | | | | **Log No. 401-70**  (Assigned by Specification Unit) |
| **T0:** Standards & Specs Unit, Room 290 | | **FROM**: | Name: Masoud Ghaeli | | |
| Region, Branch, or Technical Committee: Region 6 | | |
| **SPECIFICATION SECTION NO.**  **401** | Compaction of Hot Mix Asphalt | | | PRIORITY Routine [ X ] Fast [ ] | |
| **Reason for this new or changed specification:**  Stone Matrix asphalt (SMA) task force committee was jointly established with the industry to clarify specification requirements on (SMA) projects for uniformity in application.  As a result of the task force, below specifications were revised to address the following issues:  - To clarify specification requirements on stone matrix asphalt (SMA) projects for uniformity in application.  - Mix design adjustments  - Density Targets  - Compaction Test Section | | | | | |
| **New or Revised Specification:**  1. Revision of Section 401, Compaction of Hot Mix Asphalt.  2. Revision of Section 401, Compaction Pavement Test Section (CTS). .  3. Revision of Section 401, Temperature Segregation.  4. Revision of Section 401 and 703, Stone Matrix Asphalt pavement.  5. Creation of new Standard Special Provision, Section 703, Mineral Filler  6. Creation of a new Standard Special Provision, Revision of Section 620, Field Office. | | | | | |
| **NOTE: See Procedural Directive 513.1 for a description of appropriate specification development procedures.** | | | | | |

REVISION OF SECTION 401

COMPACTION OF HOT MIX ASPHALT

Section 401 of the Standard Specifications is hereby revised for this project as follows:

In subsection 401.17, delete the third paragraph and replace with the following:

SMA shall be compacted to a density of 93 to 97 percent of the daily theoretical maximum specific gravity, determined according to CP 51. All other HMA shall be compacted to a density of 92 to 96 percent of the daily theoretical maximum specific gravity, determined according to CP 51. If more than one theoretical maximum specific gravity test is taken in a day, the average of the theoretical maximum specific gravity results will be used to determine the percent compaction. Field density determinations will be made in accordance with CP 44 or 81.