

ITEM BOOK

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AUGUST 2012

SPEC YEAR 2005

ENGLISH UNITS

ITEM BOOK

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COMPILED BY:

COLORADO DEPARTMENT OF TRANSPORTATION
CONTRACTS AND MARKET ANALYSIS BRANCH
ENGINEERING ESTIMATE AND MARKET ANALYSIS (EEMA) UNIT
4201 EAST ARKANSAS AVE.
DENVER, COLORADO 80222
(303) 757-9293



ATTENTION TRANSPORTATION REGIONS, CONSULTANTS, AND USERS OF THIS BOOK:

**THE EEMA UNIT HAS SOLE AUTHORITY FOR ASSIGNING NEW CODE NUMBERS AND DESCRIPTIONS FOR NEW ITEMS
(SEE ENCLOSED PROCEDURAL DIRECTIVE NO. 510.1). PLEASE CONTACT THE EEMA UNIT FOR ANY PROPOSED NEW ITEMS.**

COPIES OF THIS PUBLICATION MAY BE OBTAINED AT:

(303) 757-9313
COLORADO DEPARTMENT OF TRANSPORTATION
BID PLANS, SOUTHEAST BUILDING
4201 EAST ARKANSAS AVE.
DENVER, COLORADO 80222

THIS EDITION REPLACES PREVIOUS EDITION (PLEASE DESTROY ALL OUTDATED EDITIONS).

COLORADO DEPARTMENT OF TRANSPORTATION		<input type="checkbox"/> POLICY DIRECTIVE <input checked="" type="checkbox"/> PROCEDURAL DIRECTIVE	
Subject BAMS DESCRIPTIONS AND CODE NUMBERS			Number 510.1
Effective 06/16/93	Supersedes	Originating office STAFF DESIGN	

PURPOSE:

To establish procedures and assign responsibility for the development and the maintenance of the BAMS Item list of Code Numbers, long description and short description for each item used in the plans, Specifications, Estimates and for bidding purposes.

AUTHORITY:

Executive Director

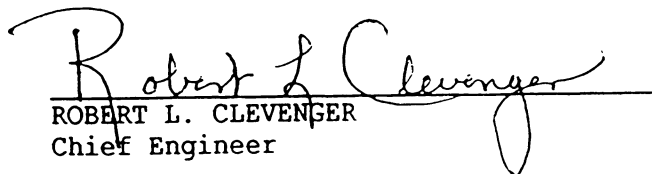
APPLICABILITY:

This directive applies to the Department of Transportation and all divisions thereof and to other agencies and consulting engineers who prepare plans and specifications for the Department of Transportation.

PROCEDURES:

The Cost Estimates Unit of the Staff Design Branch is responsible for the development and maintenance of the BAMS Item codes and descriptions. This includes the assignment and periodic publishings of new BAMS item codes and descriptions.

All new or unusual items will be discussed with the Cost Estimates Unit (303-757-9293), who will consult with the specifications engineer to ensure that new pay items are consistent with the specifications and special provisions. Cost Estimates will then assign a code number and enter it into the BAMS item file.


 ROBERT L. CLEVENGER
 Chief Engineer

Colorado Department of Transportation

Item Code Book

Foreword

The Item Code Book provides a list of standard pay items. Each pay item provides a tool for the engineer to describe in general the work to be completed, list its quantity, estimate the cost, and for the contractor to specify his unit bid price. Among others, this information is beneficial in calculating the contractor payments, having a break down of the project total cost, budgetary needs, and if collected correctly will create a powerful database for present and future references.

The Item Code Book has a variety of pay items. Some have a specific description and are clarified in CDOT Standard Specifications or CDOT M & S Standards. Others have a general description and should be explained in the project Special Provisions or plans. All these items are gathered in a database, where CDOT Engineering Estimate and Market Analysis unit (EEMA) review and analyze to create and publish a variety of essential reports to public, private, state, and federal sectors. Some of these reports have specific concerns and accuracy where it requires detailed specific items. However, these pay items are not intended to explain plans and specs. Each pay item should be clearly identified and quantified by the plans and specs. Considering the above, engineers should use the following guidelines when choosing pay items.

- 1- Specific description pay items should have a consistent type of work in all CDOT projects.
- 2- General description pay items should have a clear location, quantity, pay unit, exact procedures to complete and accept the work, explained and pointed out in the plans and the specs.
- 3- Engineers can add a supplementary description to items if necessary.
- 4- The pay item description should match in all construction contract documents.
- 5- Engineers should not use Lump Sum items to pay for small measurable work.
- 6- Small un-measurable work should be included under other larger pay item. Where the unit cost will not be influenced.
- 7- Engineers should not include more than one measurable type of work under a pay item.
- 8- Creation of new items should be on the basis of benefit to the whole system.
- 9- Creation of new items should be discussed with the Specifications Unit before asking EEMA to create a new item.

To optimize benefits of using the right pay items and to increase the accuracy of the database and the engineers estimate, the EEMA unit should be involved in the project development as soon as the Engineer has calculated quantities, and continue on until completion of the project. Engineers can contact EEMA (Engineering Estimate and Market Analysis) at 303-757-9293

NOTES FOR USAGE OF Trns*port ITEM BOOK

FOR SPEC YEAR 2005 (ENGLISH UNITS)

-- The Engineer's Estimates Unit (phone: 757-9293) handles the maintenance of the bid items. Federal Aid (phone: 757-9284) maintains the list of Force Account items. Please contact these offices to modify, add, or delete items or Force Accounts.

-- A list of Trns*port units and their equivalents follows:

Trns*port UNITS	DEFINITION	Trns*port UNITS	DEFINITION
L S	LUMP SUM	MGAL	1000 GALLONS
ACRE	ACRES	GAL	GALLONS
EACH	EACH	OZ	OUNCES
LF	LINEAR FEET	LB	POUNDS
LM	LANE MILE	MON	MONTHS
SY	SQUARE YARDS	MKFT	1000 KIP-FEET
CY	CUBIC YARDS	CF	CUBIC FEET
SF	SQUARE FEET	DAY	DAYS
TON	TONS	MFBM	1000 FEET BOARD MEASURE
HR	HOURS	MILE	MILES
YM	YARD MILES	WK	WEEK
TM	TON MILES	WD	WORK DAY
		F A	FORCE ACCOUNTS

-- Preliminary Engineering, Construction Engineering, Indirect Costs, CMO, and Stockpile Material items are found on the Trns*port system beginning with item # 000-00010.

-- Force Account items begin at item # 700-70010.

-- Right-of-Way, State Furnished Materials, Local Furnished Materials, Other Furnished Materials, and Miscellaneous Furnished Materials items are found in the Trns*port item screens beginning with item # 800-00040.

-- "Added Item" are located on the Trns*port system beginning with item # 900-00001. These are for CAS use only.

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