Summary of Field Manual Edits, February 2015
FHWA / Office of Highway Policy Information

Changes to the HPMS Field Manual for 2015 are summarized in the table below. These changes supersede the previously released 2014 HPMS Field Manual only where noted. To enable comparison with prior guidance, the 2014 HPMS Field Manual Page Number is included. Note that changes may start on one page but flow to subsequent pages. Where the change includes text or more than a simple omission from the 2014 Field Manual, full text for the revisions is included in the following pages. <mark>Highlights</mark> show areas of significant change, but users should read through each section, figure, table or diagram to ensure that the full context of changes is understood.

Chapter/ Appendix	Section	Figure or Table	Data Item	Data Item #	2014 Page Number	Change
1	4	NA	NA	NA	1-4	Updated and clarified guidance for HPMS Staff Roles and Responsibilities
2	4	2.1	Cracking Length	53	2-3	Cracking Length data item removed from table of 'Data Items to be Reported'
3	2	NA	NA	NA	3-3	Added reference to All Roads Geospatial Representation Study as reference for LRS development.
3	3	NA	NA	NA	3-3	Updated guidance on data types used in HPMS systems.
3	3	Table 3.5	Routes	NA	3-7	Updated guidance to match ARNOLD requirements: Route submission to include all public roads with dual carriageway representation for divided highways and Interstates. Included definition of divided highway/roadway. Links to ARNOLD guidance documents added. Removed reference to ESRI Geodatabase which is no longer an accepted submission format.
3	3	With Table 3.6	NA	NA	3-8	Text added to note that Urban Boundaries must be submitted by April 15, 2015 otherwise FHWA will use Census Boundaries for analysis. Text also added to reflect update to Urban Code data is required when boundaries have been changed.
3	3	3.8	NA	NA	3-11	Updated guidance for maximum length of the Route ID Field which can now accommodate 120

Chapter/ Appendix	Section	Figure or Table	Data Item	Data Item #	2014 Page Number	Change
						characters.
3	3	Table 3.9	NA	NA	3-12	Removed Item 53, Cracking Length from Table 3.9. This data item is no longer required.
3	3	Table 3.10	NA	NA	3-13	Updated Route_ID Field length to 120 character maximum.
4	1	NA	NA	NA	4-1	Overview text clarified and streamlined.
4	2	NA	NA	NA	4-2	Data Type guidance for Sections Data fields clarified with value length information. Updated Route_ID length to new maximum of 120 characters.
4	2	4.3A	NA	NA	4-5	Guidance for route measurement calculation at T interchanges removed. Measurement of ramps clarified. Figure 4.3A removed (Grade Separated Interchange Gore Points).
4	3	NA	NA	NA	4-9	Updated overview text concerning data item reporting for HPMS.
4	4	NA	Structure_Type	4	4-23	Revised coding guidance regarding the location of begin and end point locations.
4	4	NA	Through_Lanes	7	4-27	Revised guidance section to include Managed Lanes.
4	4	NA	HOV_Type	8	4-29+	Guidance on types of lanes included with HOV modified to include all managed lane types - e.g. HOT, ETL, etc.
4	4	NA	HOV_Lanes	9	4-30+	Guidance on types of lanes included with HOV modified to include all managed lane types - e.g. HOT, ETL, etc.
4	4	NA	Route_Number	17	4-45	Guidance modified to account for routes where route name is alphabetic only.
4	4	NA	Median_Type	35	4-67	Clarification of guidance for the minimum width for a positive barrier (code =4).
4	4	NA	Widening_Obstacle	41	4-78	Clarification of guidance for reporting codes for this data item in relation to coding for Data Item 42

Chapter/ Appendix	Section	Figure or Table	Data Item	Data Item #	2014 Page Number	Change
						(Widening_Potential).
4	4	NA	Widening_Pote ntial	42	4-80	Removed reference to Item 41 (Widening_Obstacle).
4	4	NA	Pct_Passing_Si ght	46	4-86	Reporting guidance clarified.
4	4	NA	Cracking_Lengt h	53	4-101	Data Item removed, numbering for all other Data Items retained.
4	4	NA	Year_Last_Impr ov	54	4-104	Format for Value_Date clarified.
4	4	NA	Year_Last_Con struction	55	4-105	Format for Value_Date clarified.
5	2	NA	NA	NA	5-1	Revised discussion section to clarify use of urban boundaries and codes added reference to: the "*Highway Functional Classification Criteria, Concepts and Procedures, 2013 Edition*" for guidance related to Urban Boundary modification procedures.
5	4	NA	NA	NA	5-11	Removed guidance for Cracking Length
7	1	NA	NA	NA	7-1	Added web link for HPMS Software Guide
7	2	7.1	NA	NA	7-2	Software formats for the LRS submission are now specified in the HPMS Software Guide.
A	NA	NA	NA	NA	A-1	Updated list of acronyms used in manual to include: C&P, ESRI, QA/QC and UPACS.
D	NA	NA	NA	NA	D-1	Toll listing updated with new toll information for Rhode Island and Virginia.
G	NA	NA	NA	NA	G-1	Revised layout of Field specifications table to clarify Format for data items. This information is covered in Chapter 4.
H	NA	NA	NA	NA	H-1	Removed Cracking Length coding requirements.
I	NA	NA	NA	NA	I-1	Updated list of Urbanized Area codes based on the 2010 US Census. Included a column for State portion of the total Urban Area population for those areas that are partially in

Chapter/ Appendix	Section	Figure or Table	Data Item	Data Item #	2014 Page Number	Change
						more than one State.
J	NA	NA	NA	NA	J-1	Alaska County codes have been updated to match US Census codes.

Revised Field Manual Text for Use with 2015 Data Submissions

1.4   HPMS Staff Roles and Responsibilities

The annual provision of HPMS data is a cooperative effort between State Departments of Transportation (DOTs), local governments, and metropolitan planning organizations (MPOs) working in partnership to collect, assemble, and report the necessary information. The process resulting from this relationship is depicted in Figure 1.1.   In consultation with its HPMS partners, stakeholders, and customers, FHWA identifies the data to be reported and provides data definitions and standards. FHWA develops and maintains web-based applications, analytical models and techniques that FHWA and various State DOTs use in conjunction with HPMS data to conduct policy-level, corridor-level, and subarea planning analysis and programming.   Taken together, these activities support informed highway planning, policy development, and decision-making at the Federal and State levels.

Within each DOT, the responsibilities for collecting and reporting HPMS data is generally a cooperative process between a central office, which prepares, analyzes, and submits HPMS data on behalf of the State, and other district or regional offices responsible for field data collection activities, including roadway inventory, and traffic and pavement data collection. To help facilitate this effort, this manual provides guidance to the States in support of their field data collection activities for HPMS.

The required State and sub-state coordination is exemplified by the process to prepare a spatial file for each HPMS submission. Because the necessary spatial file must be maintained in such a way that it easily links to information about condition, performance, use and operating characteristics of each roadway, DOT staff must work closely and coordinate with State GIS, road inventory, traffic and pavement staff.

The process of coordinating these activities is usually performed under the direction of an HPMS Manager or HPMS Coordinator within each State DOT. This person serves as the primary liaison with the FHWA on all matters related to the preparation and submittal of the State's HPMS submittal.

 After each State has submitted their HPMS data, it is the responsibility of the FHWA Office of Highway Policy Information (OHPI) to integrate each submittal into the national HPMS database. The HPMS database then becomes the source of information provided in the *Conditions and Performance (C&P) Report to Congress* on a biennial basis.

The HPMS submittal from the State represents the condition of the road network as of December 31st of each year. The submittal is due to FHWA by June 15th of the following year, to allow time for the States to integrate the additional data items such as pavement and traffic related data, which requires additional time for processing and analysis.

Figure 1.1 illustrates a potential workflow for the process and roles involved in the preparation of a State's HPMS data submittal.

3.2 Geospatial Component

The geospatial component of the data model provides the foundation for a national-level linear referencing system (LRS) that will serve primarily as a resource for HPMS, but will also be used to support a number of other interagency work program objectives. It will also be used to facilitate analysis and research efforts, using HPMS data.

Incorporating a geospatial component enhances the HPMS sampling process by providing an alternative methodology for sample selection and maintenance. This component allows a GIS-based process to be used to identify sections of road that have homogenous (or uniform) characteristics for key data items, which can be used for sampling purposes. More information on the GIS procedures associated with sampling is found in Chapter 6, Sampling.

The primary catalog used to identify the model's geospatial data is the Shapes Catalog. However, the Sections Catalog identifies the attribute data that is linked to the geospatial data, which can be spatially located on the network for mapping, analysis, and reporting purposes.

Furthermore, the geospatial component of the data model involves the use of a LRS, which links the HPMS attribute data to a series of shape files. Both the geospatial and attribute data contain three referencing elements that are used to perform the linkage for linear features: (1) A unique Route ID, (2) a beginning milepoint, and (3) an ending milepoint. Point features use a route milepoint in place of a beginning and ending milepoint for referencing purposes. Data Items are identified in the Point References datasets of the model's References Catalog and are linked to and spatially referenced in the same manner. For general guidance on the development of a State wide LRS, see the FHWA publication, *All Public Roads Geospatial Representation Study*.

3.3 Catalogs and Associated Datasets

This section describes each of the following catalogs and their associated datasets, which will be stored as tables in FHWA's database. The datasets which are required to be developed by the States and provided to FHWA are circled in the figures for each catalog description contained in this section of the manual.

1 - Shapes

Sections

Summaries

References

Estimates

Metadata

The datasets that are to be assembled by the States can either be submitted to FHWA as character separated value (CSV) files or entered manually on-screen via the HPMS software web application provided by FHWA.

The remainder of this section describes the structure of the various datasets that are to be provided by the States, as well as those that will be developed and maintained by FHWA. Tables 3.1-3.21 include the

identification of constraints (indicates if the field is part of a key field, either primary (PK) or unique (UK), and is used to establish relationships within the model), field name (identifies the field of information), data type (contains the format for each data item), and description (definition of the field). Valid values for the fields are also included in the tables, where appropriate. Furthermore, the data types used in the tables are as follows:

- Text – text entries are permitted

- Variable Character or Varchar (X) – alphanumeric entries are with a maximum length of X are permitted

- Numeric (X) – numeric values with a maximum length of X are permitted

- Decimal (X, Y) – numeric values with a maximum length of X and a length of Y decimal places are permitted

- Date – Preferred format is MM/YYYY but other formats may also be acceptable. See specific Data Item formats in Chapter 4.

Table 3.5   Routes

Table 3.5 describes the State's linear referenced network dataset. HPMS attribute data (i.e. Sections data) are linked to the network through the Route ID field in this dataset. The Route IDs, which must be unique in character, are to be defined by the States and must be in concert with the Route IDs that are contained in the Sections data. Furthermore, the submitted LRS must include, All Public Roads Including; all Federal-aid highways, with its component National Highway System (NHS) routes and NHS intermodal connectors. FHWA recommends that one ROUTE ID logically represents a highway in its entirety.

ROUTES TABLE				
Constraint	Field Name	Data Type	Description	Valid Values
PK	Year_Record	Numeric(4)	Year for which the data apply	The four digits of the year that the data represents.
PK	State_Code	Numeric(2)	State FIPS code	Up to two digits for the FIPS code. See Appendix C for a complete list.
PK	Route_ID	VarChar(120)	ID for the linear feature	Up to 120 alpha-numeric digits that identify the route. This ID must be unique within the State.
	Comments (optional)	Text(50)	Text descriptor for the route	Up to 50 text characters to be used for specifying an English descriptor for the route (e.g. Interstate 70, I-

ROUTES TABLE				
Constraint	Field Name	Data Type	Description	Valid Values
				70, I-70 from Exit 2 to Exit 4, etc.).
	Shape*	Geometry	Line feature	This field is automatically generated when the State's LRS network is developed. Coordinates for geometries have 3 dimensions – Longitude(x), Latitude(y), and Measure/Station (m). The LRS network is expected to contain lines with valid X and Y points.

*Automatically generated when the dataset is created.

Extent – All public roads including Federal-aid highways, and ramps located within grade-separated interchanges (including NHS routes). This roadway network is termed 'All Roads Network' or ARNOLD.

Guidance for the development of the required ARNOLD network at the State level can be found on the Office of Highway Policy Information website: http://www.fhwa.dot.gov/policyinformation/hpms/arnold.cfm, and in the "All Public Road Geospatial Representation Study" published by the Federal Highway Administration in 2014.

Specific Requirements for Routes dataset:

1.   File Format – Shall be in accordance with the HPMS Software User Guide.
2.   Dual Carriageway geometry for divided roadways including all Interstates and single Centerline for other roadways.
3.   Spatial Reference with either projected or unprojected X/Y coordinates must be assigned
4.   Linear units – miles, feet, etc.
5.   Resolution - 1:100,000 or better

Table 3.6   Urban Area Boundaries

Table 3.6 describes the polygon shapes dataset representing either the Census urban area boundaries, or the adjusted Census urban area boundaries for each State. Each time the Census generates new urban boundaries for Decennial Census, the FHWA will acquire and use them for performance measure and metric evaluation, mapping and analysis purposes. At a States option, they can adjust (expand) the Census Developed Urban Area Boundaries for Transportation purposes.   Adjusted Urban Area Boundaries must be approved by each States' FHWA Division Office, prior to being included in the submitted HPMS data.

Adjusted Urban Area Geospatial Boundary Polygons are required to be included with the HPMS submission representing the Calendar Year data that is reported two years after the Official Urban Areas have been released by the US Census Bureau. For example, for the 2010 Census, the Urban Area Boundaries were made available during March 2012, two years after the year of the Census. States have two additional years to adjust their boundaries and submit them no later than April 15, 2015 (reflecting Calendar year 2014 data). At FHWA's option, Urban Area information may be derived in an automated

URBAN AREA BOUNDARIES TABLE			
Constraint	Field Name	Data Type	Description
PK	Year_Record	Numeric(4)	Year for which the data apply
PK	Urban_Code	Numeric(5)	Census urban code
	Urban_Name	Text	Urban name
	Census_Pop	Numeric(8)	Decennial Census urban area population
	Census_Land_Area	Numeric(4)	Census land area (in square miles)
	Shape	Geometry	Polygon feature

Table 3.8   Sections

Table 3.8 describes the State reported HPMS Section dataset representing all Federal-aid highways and other applicable sections. Table 3.9 contains the list of valid Data Items which will be stored as part of the records in this dataset. The specific requirements for the Data Item field are defined in detail in Chapter 4. See Table 4.2 for a full list of the required HPMS Data Items and related reporting requirements.

SECTIONS TABLE				
Constraint	Field Name	Data Type	Description	Valid Values
PK	Year_Record	Numeric(4)	Year for which the data apply	The four digits of the year the data represents.
PK	State_Code	Numeric(2)	State FIPS code	Up to two digits for the FIPS code. See Appendix C for a complete list.
PK	Route_ID	VarChar(120)	ID for the linear feature	Up to 120 alpha-numeric digits that identify the route. This ID must match a record in the Routes dataset.
PK	Begin_Point	Decimal(8,3)	Beginning Milepoint	Decimal value in thousandths of a mile.
PK	End_Point	Decimal(8,3)	Ending Milepoint	Decimal value in thousandths of a mile.

SECTIONS TABLE				
Constraint	Field Name	Data Type	Description	Valid Values
PK	Data_Item	Text	HPMS Data Items	See Chapter 4 for detailed Data Item descriptions and valid values. Table 3.9 shows the Data Item names that can be entered in this field.
	Section_Length	Decimal(8,3)	Section length	Decimal value in thousandths of a mile. This length must be consistent with the difference between End_Point and Begin_Point.
	Value_Numeric	Numeric	Numeric value for data item	Must be numeric value as specified in the detailed Data Item descriptions (see Chapter 4).
	Value_Text	VarChar(50)	Text value for data item	Must be text value as specified in the detailed Data Item descriptions (see Chapter 4). This field is available for State use where data is not required for a particular Data Item. This field is limited to 50 characters.
	Value_Date	Date	Date Value for data item	Must be a date value as specified in the detailed Data Item descriptions (see Chapter 4). This field is available for State use where data is not required for a particular Data Item.
	Comments	VarChar(100)	Comment for State use	Variable Text up to 100 characters. This field is optional.

Extent: All Federal-aid highways and ramps located within grade separated interchanges and applicable items on other sections where a toll facility exists; optional for other sections.

Table 3.9   Data Items

Item Number	Data_Item	Item Number	Data_Item	Item Number	Data_Item
1	F_System	24	AADT_Combination	47	IRI
2	Urban_Code	25	Pct_Peak_Combination	48	PSR
3	Facility_Type	26	K_Factor	49	Surface_Type
4	Structure_Type	27	Dir_Factor	50	Rutting
5	Access_Control	28	Future_AADT	51	Faulting
6	Ownership	29	Signal_Type	52	Cracking_Percent

7	Through_Lanes	30	Pct_Green_Time	53	~~Cracking_Length~~
8	HOV_Type	31	Number_Signals	54	Year_Last_Improv
9	HOV_Lanes	32	Stop_Signs	55	Year_Last_Construction
10	Peak_Lanes	33	At_Grade_Other	56	Last_Overlay_Thickness
11	Counter_Peak_lanes	34	Lane_Width	57	Thickness_Rigid
12	Turn_Lanes_R	35	Median_Type	58	Thickness_Flexible
13	Turn_Lanes_L	36	Median_Width	59	Base_Type
14	Speed_Limit	37	Shoulder_Type	60	Base_Thickness
15	Toll_Charged	38	Shoulder_Width_R	61	Climate_Zone
16	Toll_Type	39	Shoulder_Width_L	62	Soil_Type
17	Route_Number	40	Peak_Parking	63	County_Code
18	Route_Signing	41	Widening_Obstacle	64	NHS
19	Route_Qualifier	42	Widening_Potential	65	STRAHNET_Type
20	Alternative_Route_Name	43	Curves_A…Curves_F	66	Truck
21	AADT	44	Terrain_Type	67	Future_Facility
22	AADT_Single_Unit	45	Grades_A…Grades_F	68	Maintenance_Operations
23	Pct_Peak_Single	46	Pct_Pass_Sight	69	Capacity

Table 3.10   Sample Panel Identification

Table 3.9 describes the dataset containing the geographic limits for each States' Sample Panel. Therefore, the States must provide FHWA with the geographic limits for their sample data for the purposes of this table. The Sample Panel Identification dataset will be used to properly identify the Sample Panel data that is contained within the Sections dataset. Each Sample Panel data item must be, at the very least, reported for the entire extent of the Sample Panel, where applicable. The data in Table 3.9 should represent only the samples resulting from the random selection process discussed in Chapter 6, Sampling. This dataset will be used in conjunction with the Sections and References datasets to create a View or Export of the sample data for use in various national models, such as the HERS (Highway Economic Requirements System) model. As this view/export is generated, each sample will have a single attribute for each data item corresponding to the Data Item field in the Sections dataset. The single attribute will be calculated based on a particular Calculation Method, as discussed in Appendix G.

			SAMPLE PANEL IDENTIFICATION TABLE		
Constraint	Field Name	Data Type	Description	Valid Values
PK	Year_Record	Numeric(4)	Year for which the data apply	The four digits of the year the data represents.
PK	State_Code	Numeric(2)	State FIPS code	Up to two digits for the FIPS code. See Appendix C for a complete list.
PK	Route_ID	VarChar(120)	ID for the linear feature	Up to 120 alpha-numeric digits that identify the route.
PK	Begin_Point	Decimal(8,3)	Beginning Milepoint	Enter a decimal value.
PK	End_Point	Decimal(8,3)	Ending Milepoint	Enter a decimal value.
	Section_Length	Decimal(8,3)	Section length	Enter a decimal value. This could be calculated from End MP – Beg MP.
UK	Sample_ID	VarChar(12)	Sample Identifier	12-character unique ID
	Comments	VarChar(100)	Comment for State use	Variable Text up to 100 characters. This field is optional.

4.1 Overview

This chapter provides in-depth information on the data collection and reporting requirements for the Sections and Sample Panel Identification datasets, which comprise the linear features of HPMS. In addition, this chapter contains information on the datasets that are developed and maintained by FHWA, and the datasets that are gathered by FHWA from other sources.

The Sections and Sample Panel Identification datasets will be stored in the Sections Catalog. These datasets relate to each other through the states Linear Reference System (LRS) as described in Chapter 3.

4.2 Sections Data Reporting Requirements

Data Fields Required for Section Reporting Purposes

The data fields listed in Table 4.1 are to be reported as part of the Sections dataset which will be stored in the Sections Catalog (discussed in Chapter 3) within FHWA's system.

- **Field Number** is the number assigned to each data field for reference purposes.

- **Field Name** specifies the type of information that should be reported for each field. The Data Item field (Field No. 6) in Table 4.1 stores the name of the Data Item that is being reported. A complete list of these data items is shown in Table 4.2.

Table 4.1:   HPMS Sections File Structure

	Field Number	Field Name
	1	Year_Record
	2	State_Code
	3	Route_ID
	4	Begin_Point
	5	End_Point
Section	6	Data_Item
	7	Section_Length
	8	*Value_Numeric*
	9	*Value_Text*
	10	*Value_Date*
	11	Comments (Optional)

Italicized fields are used to report values and additional information pertaining to the data item (in Field 6).

The next section describes the detailed specifications for the fields identified in Table 4.1, in terms of their Descriptions, Usage, Data Formats, Coding instructions, and Guidance (where applicable) for each Field.

Field 1: Year_Record

Description: The calendar year for which the data are being reported.

Use: For identifying the representative year of the data.

Data Type: Numeric (Integer)

Coding: Enter the four digits for the calendar year that the data represents.

Guidance: The value that is coded shall reflect the calendar year for which the data is being reported, not the year that the data is being submitted.

Field 2: State_Code

Description: The State Federal Information Processing Standard (FIPS) code.

Use: For identifying the State for which the data is being reported.

Data Type: Numeric (Integer)

Coding: Enter up to two digits for the State FIPS code.

Guidance: See Appendix C for a complete list of FIPS codes.

Field 3: Route_ID

Description: The unique identifier for a given roadway (i.e., route).

Use: For identifying the specific route for which the data is being reported.

Data Type: Text

Coding: Enter an alphanumeric sequence consisting of no more than 120 characters.

Guidance: The Route ID is to be developed per the States' preference. However, the ID schema shall be consistent with the Route ID schema that is contained in the State's LRS network attribute data.

Field 4: Begin_Point

Description: The point of origin for a given section of road.

Use: For identifying the beginning point of a section for spatial referencing purposes.

Data Type: Numeric (Decimal (8,3))

Coding: Enter a decimal value to the nearest thousandth of a mile.

Guidance: N/A

Field 5: End_Point

Description: The terminus point for a given section of road.

Use: For identifying the ending point of a section for spatial referencing purposes.

Data Type: Numeric (Decimal (8,3))

Coding: Enter a decimal value to the nearest thousandth of a mile.

Guidance: N/A

Field 6: Data_Item

Description: The attribute being reported for a given section of road.

Use: For specifying the particular attribute being reported for a given section of road.

Data Type: Text

Coding: Code the database-specific data item name for each data item listed in Section 4.4 of this chapter.

Guidance: Guidance for each data item is discussed in Section 4.4 of this chapter.

CAUTION: The States must use the database-specific data item names that are listed in Table 4.2. Failure to use the database-specific data item names as they are specified will cause the States' records to fail validation when the records are uploaded for HPMS submittal purposes.

Field 7: Section_Length

Description: The true length (i.e., measured length) for a given section of road.

Use: For analysis and comparison of various data items for apportionment, administrative, legislative, analytical, and national highway database purposes.

Data Type: Numeric (Decimal (8,3))

Coding: Code the length in decimal format to the nearest thousandth of a mile.

Guidance: Report either the inventory or LRS-based length for a given section of road, per the States' preference. This length shall be consistent with the length that is reported in the State's Certified Public Road Mileage. Furthermore, the reported length shall be consistent with the difference between Field 5 (End_Point) and Field 4 (Begin_Point). For undivided facilities, the inventoried length shall be measured along the centerline in the designated inventory direction (i.e., cardinal direction). For divided highways, the length shall be measured in accordance with the designated inventory direction, for both the cardinal and non-cardinal sides of the roadway.

For "one-way pairs" (i.e., divided non-Interstate roadway sections located along a given route (see Fig. 4.4b)), measure and report the length of each roadway section independently; do not average the length of the two roadways.

When measuring the length between at-grade intersections, use the center point of the intersecting roadways as the points of reference (i.e., origin, or terminus) for the section as shown in Figure 4.2.

If the intersection is grade-separated, measure to the theoretical center-most point of the intersecting roadways.

For ramps, the length should be measured from taper to taper, and should be noted as such in the metadata for ramp reporting. Figures 4.3B, 4.3C, and 4.3D provide examples of begin and end taper points for grade-separated interchanges.

Figure 4.3A Grade-Separated Interchange (Gore Points) – REMOVED for 2015
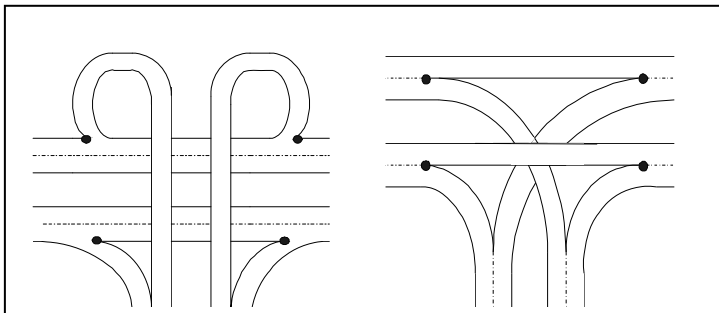
4.3   Data Items to be ==Reported==

==The States shall report the data items as listed in Table 4.2. Five types of data items that are to be reported are as follows: Inventory, Route, Traffic, Geometric, and Pavement data. Table 4.2 also lists the Item Numbers for each Data Item, the specific name for each Data Item, and the Extent for which the Data Item is to be reported. Detailed information on coding instructions, extent requirements, and additional guidance for each Data Item is contained in Section 4.4.==

The Table of Potential Samples (TOPS) (discussed in Section 6.2) is developed based on the spatial intersection of the following five data items: Functional System, Urban Code, Facility Type, Through Lanes, and AADT. Accordingly, the length of these data items are used as control totals for system extent. Each of these data items must be reported for the entire extent of all Federal-aid highways for a given State.

The HPMS is an inventory system that requires reported data to represent the condition and operation in both directions for all roadways. As a result, directional conflicts in coding may arise for specific data items under certain reporting conditions. The following provides some guidance on how these conflicts can be addressed.

Data items may differ in shape or dimension on either side of a roadway. For most Sample and non-pavement related data items, one side of the facility should be designated for inventory purposes, and the applicable data items should be coded for the designated side of the roadway. The "inventory direction" should be applied on a statewide basis (i.e., always South to North, East to West, or vice versa) and should never change once it has been designated.

==Information reported for pavement related items and some Sample data items must reflect the entire facility (i.e., bi-directional information). Caution should be exercised when reporting Through Lane totals and AADT because these data are used for apportionment purposes.==

==As indicated in Chapter 5 on Pavement Guidance, IRI must be reported for the same inventory direction and lane all of the time. The "inventory direction" of a facility should be used as the side where IRI is measured and reported. IRI should not be reported or averaged for both sides of a roadway.==

Item 4: Structure_Type (Structure Type)

Guidance: Code this data item wherever a bridge, tunnel, or causeway exists.

Bridges must meet a minimum length requirement of 20 feet (per the National Bridge Inventory (NBI) guidelines) in order to be deemed a "structure." Do not include culverts.

A tunnel is a roadway below the surface connecting to at-grade adjacent sections.

A causeway is a narrow, low-lying raised roadway, usually providing a passageway over some type of vehicular travel impediment (e.g. a river, swamp, earth dam, wetlands, etc.).

==Section lengths for this data item should match the begin and end point of the associated bridge, tunnel or causeway.==

Item 7: Through_Lanes (Through Lanes)

Guidance: This Data Item must also be reported for all ramp sections contained within grade separated interchanges.

Code the number of through lanes according to the striping, if present, on multilane facilities, or according to traffic use or State/local design guidelines if no striping or only centerline striping is present.

For one-way roadways, two-way roadways, and couplets, exclude all ramps and sections defined as auxiliary lanes, such as:

- Collector-distributor lanes
- Weaving lanes
- Frontage road lanes
- Parking and turning lanes
- Acceleration/deceleration lanes
- Toll collection lanes
- Truck climbing lanes
- Shoulders

When coding the number of through lanes for ramps (i.e., where Data Item 3 = Code '4'), include the predominant number of (through) lanes on the ramp. Do not include turn lanes (exclusive or combined) at the termini unless they are continuous (turn) lanes over the entire length of the ramp.

Managed lanes (e.g., High Occupancy Vehicle (HOV), High Occupancy Toll (HOT), Express Toll Lanes (ETL)) operating during the off-peak period are to be included in the total count of through lanes.

This data shall be collected and reported on an annual cycle for all required sections.

In accordance with 23 CFR 490.309(c), this data shall be collected and reported independently for both directional approaches on Interstate roadways. Conversely, this data shall be measured and reported for the inventory direction only on non-Interstate NHS roadways.

Item 8: HOV_Type (Managed Lane Operations Type)

Description: The type of managed lane operations (e.g., HOV, HOT, ETL, etc).

Use: For administrative, legislative, analytical, and national highway database purposes.

Extent: All sections where managed lane operations exist.   This should correspond with the information reported for Data Item 9 (Managed Lanes).

Code	Description

1	Full-time Managed Lanes	Section has 24-hour exclusive managed lanes (e.g., HOV use only; no other use permitted).
2	Part-time Managed Lanes	Normal through lanes used for exclusive managed lanes during specified time periods.
3	Part-time Managed Lanes	Shoulder/Parking lanes used for exclusive managed lanes during specified time periods.

Guidance: Code this data item only when managed lane operations exist.

Code this Data Item for both directions to reflect existing managed lane operations. If more than one type of managed lane is present for the section, code the lesser of the two applicable Managed Lane Type codes (e.g., if Codes '2' and '3' are applicable for a section, then the section should be coded as a Code '2').

Alternatively, if more than one type of managed lane operation exists, the secondary Managed Lane Type may be indicated in the Value_Text field.

This information may be indicated by either managed lane signing (e.g., the presence of a large diamond-shaped marking (HOV symbol) on the pavement, or both).

Item 9: HOV_Lanes (Managed Lanes)

Description: Maximum number of lanes in both directions designated for managed lane operations.

Use: For administrative, legislative, analytical, and national highway database purposes.

Extent: All Sections where managed lanes exist. This should correspond with the information reported for Data Item 8 (Managed Lane Operations Type).

Guidance: Code this data item when Data Item 8 (Managed Lane Operations Type) is coded.

If more than one type of managed lane operation exists on the section, code this data item with respect to all managed lanes available, and indicate (in the Value_Text field) how many lanes apply to the Managed Lane Operations Type reported in Data Item 8.

Item 17: Route_Number (Route Number)

Guidance: This should be the same route number that is identified for the route in Data Items 18 and 19 (Route Signing and Route Qualifier).

If two or more routes of the same functional system are signed along a roadway section (e.g., Interstate 64 and Interstate 81), code the lowest route number (i.e., Interstate 64).

If two or more routes of differing functional systems are signed along a roadway section (e.g., Interstate 83 and U.S. 32), code this Data Item in accordance with the highest functional system on the route (in this example, Interstate).

For the official Interstate route number, enter an alphanumeric value for the route in Data Field 9.

If Data Items 18 or 19 (Route Signing or Route Qualifier) are coded '10,' code a text descriptor (in Field 9) for this Data Item.

If the official route number contains an alphabetic character (e.g. "32A"), then code the numeric portion of this value in Field 8, and the entire value in Field 9.

Where a route is designated with alphabetic characters only (e.g. "W"), then don't code the Value_Numeric field for this item and use the Value_Text field for the route name.

Item 35: Median_Type (Median Type)

Guidance: Median: The portion of a divided highway separating the traveled way for traffic in opposing directions. The principal functions of a median are to:

- Minimize interference of opposing traffic;
- Provide a recovery area for out-of-control vehicles;
- Provide a stopping area in case of emergencies;
- Provide open or green space;
- Minimize headlight glare from opposing vehicles;
- Provide width for future lanes;
- Provide space for speed-change lanes and storage areas for left- and U-turn vehicles; and
- Restrict left turns except where median openings are provided.

A positive barrier normally consists of a guardrail or concrete barrier, but could consist of thick, impenetrable vegetation. All positive barrier medians, regardless of their width, must be considered for reporting purposes.

Item 41: Widening_Obstacle (Widening Obstacle)

Guidance: Enter any combination of the codes (e.g. if there are Historic and Dense development obstacles, code "EA" or "AE" for this Data Item). There is no requirement for the ordering of the codes; a code should not be used more than once in a sequence of codes (e.g. "AEA").

Code "X" cannot be used with other codes (e.g. "XE")

This item provides for the coding of obstacles which may prevent or limit the ability to widen the roadway surface within approximately 100 feet of the outer edge of the through lanes that are present in either direction of the section.

If Data Item 42 (Widening Potential) is coded '8' lanes or less, then this data item should be coded "A" through "G".

Item 42: Widening_Potential (Widening Potential)

Guidance: Code this item based on how feasible it is to widen the existing road based on the presence of obstacles as identified in Data Item 41 (Widening Obstacles), and the proximity of the obstacle to the roadway. Consider medians, areas already within the existing right-of-way, and areas outside existing right- of- way to be available for widening.

Do not consider restrictions due to current right-of-way width, or projected traffic.

Narrowing lanes via restriping, resulting in an additional lane on a multilane facility does not constitute Widening Potential.

The cost of adding capacity to sections or corridors with limited Widening Potential is assumed to be significantly more costly than other more routine capacity improvements.

If Data Item 41 (Widening Obstacle) is coded as "X" (No obstacles to widening), then this data item should be coded at least one lane (>=1). If Data Item 41 (Widening Obstacle) is not coded as "X", then this data item should be coded, at most, '8' lanes.

Item 46: Pct_Pass_Sight (Percent Passing Sight Distance)

Guidance: This data item should be reported for sample sections where passing is permitted in the inventory direction.

When there is a discernable directional difference, code for the more restrictive direction.

Item 54: Year_Last_Improv (Year of Last Improvement)

Coding Requirements for Fields 8, 9, and 10:	
Value_Numeric:	No entry required. Available for State Use.
Value_Text:	No entry required. Available for State Use.
Value_Date:	Enter the year (in YYYY format) for when the last surface improvement was completed.

Item 55: Year_Last_Construction (Year of Last Construction)

Coding Requirements for Fields 8, 9, and 10:	
Value_Numeric:	No entry required. Available for State Use.
Value_Text:	No entry required. Available for State Use.
Value_Date:	Enter the year (in YYYY format) for when the roadway was last constructed or reconstructed.

5.2   Functional Classification System Descriptions and Groupings

The Role of Urban Areas in Roadway Functional Classification

The U.S. Census-based Urban Area (UA) Boundaries are also an important part of the FC system. The aforementioned FC codes and Census-defined UA Boundary codes (see full list of valid UA codes in Appendix I) must be reported for all Federal-aid roadways. Although an urban or rural designation does not dictate the functional classification of a roadway, it may inform classification designation. Because road usage and design typically adapt to changes in urban growth patterns, the urban boundary modification process commensurate with the Decennial Census is a good time to assess functional classification throughout the State.

Traditionally, the Census Bureau releases new Urban Area Boundaries two years after the initial Decennial Census as a byproduct of that effort. Since these boundaries are developed primarily through automated methods, they are often coarse and irregular, generally not reflective of transportation facilitates. While a State may choose to use the unadjusted original Census boundaries as part of the overall FC program, it is advisable to adjust these polygons to efficiently account for the highway system. FHWA guidance for procedures and best practices regarding Functional Classification and Urban Boundary delineation can be found in the *Highway Functional Classification Criteria, Concepts and Procedures, 2013 Edition* document.

See Chapter 4, Sec. 4.4 for specifications and requirements pertaining to the reporting of the 'Functional System' and 'Urban Code' data items. Spatial Analysis should be used by the States to relate the FC code to the UA code for HPMS reporting purposes.

5.4 Pavement Data Guidance
~~Cracking Length~~
~~Cracking Length is defined for HPMS purposes as the total length in ft/mi on a paved asphalt concrete (AC) section for transverse or reflective type cracks. It is recommended that AASHTO Provisional Protocol PP 67-10 and the LTPP *Distress Identification Manual* be followed as a guide to reporting these types of cracks. Transverse and reflective cracks are generally perpendicular to the pavement centerline and all severity levels should be considered for reporting in HPMS. Both automated and manual surveys for the collection and reporting of these data in HPMS are acceptable. Reflective cracks can be present in composite, asphalt surfaced pavements when it overlays a jointed rigid (PCC) pavement and is manifested on the surface similar to transverse cracks but appear over the underlying joints. Both types of cracks should be reported in HPMS for AC surfaced paved sections, whether composite or not.~~

7.1 Overview

This chapter provides a macro-level overview of the HPMS software-related workflow that is associated with the preparation of the HPMS annual submittal. In addition, this chapter provides some basic examples of the types of validation checks that will be performed on the data by the HPMS software upon submittal. Finally, this chapter provides information on what the States should expect in terms of feedback, once their submittal has been validated and accepted by FHWA. For additional instructions regarding the use of the HPMS software, please consult the *HPMS Software Guide* which can be accessed via the FHWA HPMS websitehttp://www.fhwa.dot.gov/policyinformation/hpms.cfm.

7.2 Submittal Process

The steps associated with the annual HPMS submittal (listed in no particular sequence) are discussed below:

2 - Load **Routes** Data (Spatial file format in accordance with the HPMS Software User Guide)

i. This step involves the loading of the LRS network (i.e. the Routes Dataset) using the Import Module in the HPMS software web application. The States have the option of submitting either a single LRS network dataset containing all of the routes in their respective network, or multiple datasets containing selected routes in their respective network. However, the States must provide a single range of measures (milepoints) for each individual route. This information will be used to generate mileage totals for the purpose of validating the Certified Mileage totals reported by the States.

ii. Once the routes are loaded, a series of validation checks will be performed to ensure that the measures associated with the routes are logical. The system will only allow the routes that pass the validation checks to be submitted. The system will then generate a report listing all of the routes that will require attention before the system will allow them to be submitted. Upon re-loading of the revised routes, the software will confirm whether or not the routes pass validation and can ultimately be submitted.

Appendix A. Acronyms

AADT   Annual Average Daily Traffic

AADTT   Annual Average Daily Truck Traffic

AASHTO   American Association of State Highway Transportation Officials

AC   Asphalt-Concrete

ASTM   American Society of Testing and Materials

ATR   Automated Traffic Recorder

AVC   Automatic Vehicle Classification

CAA   Clean Air Act

CFR   Code of Federal Regulations

Col   Collector

COP   Community of Practice

CRCP   Continuously Reinforced Concrete Pavement

C & P   *Conditions and Performance*

CSV   Comma Separated Value

DOT   Department of Transportation

DVMT   Daily Vehicle-Miles of Travel

EPA   Environmental Protection Agency

ESRI   Environmental Systems Research Institute

FC   Functional Classification

FE   Full Extent

FE + R   Full Extent including Ramps

FHWA   Federal Highway Administration

FIPS   Federal Information Processing Standards

GIS   Geographic Information System

GML	Geography Markup Language
HERS	Highway Economic Requirements System
HCM	Highway Capacity Manual
HOT	High Occupancy Toll
HOV	High Occupancy Vehicle
HPMS	Highway Performance Monitoring System
Int	Interstate
IRI	International Roughness Index
ITS	Intelligent Transportation Systems
JPCP	Jointed Plain Concrete Pavement
JRCP	Jointed Reinforced Concrete Pavement
Loc	Local
LRS	Linear Referencing System
LTPP	Long Term Pavement Performance
MA	Minor Arterial
MaC	Major Collector
MiC	Minor Collector
MAP-21	Moving Ahead for Progress in the 21st Century Act
MPO	Metropolitan Planning Organization
MRI	Mean Roughness Index
NAAQS	National Ambient Air Quality Standards
NBI	National Bridge Inventory
NHS	National Highway System
NN	National Freight Network
OFE	Other Freeways and Expressways

OGC	Open Geospatial Consortium
OPA	Other Principal Arterial
PAS	Principal Arterial System
PCC	Portland Concrete Cement
PK	Primary Key
PMS	Pavement Management System
PSR	Present Serviceability Rating
QA/QC	Quality Assurance/Quality Control
SHA	State Highway Agency/Administration
SHRP	Strategic Highway Research Program
SP	Sample Panel
STRAHNET	Strategic Highway Network
TEA-21	Transportation Equity Act for the 21st Century
TMG	Traffic Monitoring Guide
TOPS	Table of Potential Samples
UACE	Urban Area Census Code
UC	Urban Cluster
UK	Unique Key
UPACS	User Profile Access Control System
U.S.C.	United States Code
UZA	Urbanized Area
VMT	Vehicle Miles of Travel
VPI	Vertical Point of Intersection
WBT	Well Known Binary
WDS	Weighted Design Speed

WIM   Weigh-in-Motion

WKT   Well Known Text

Appendix D. Toll-ID Table

This table will be updated by FHWA as facilities are opened or closed.

State	HPMS Toll ID	Name of Toll Facility	New Facility
Alabama	1	Alabama River Parkway Bridge	
Alabama	2	Black Warrior Parkway Bridge	
Alabama	3	Emerald Mountain Expressway Bridge	
Alabama	4	Foley Beach Express	
Alabama	1001	Mobile Bay Ferry	
Alabama	1002	Gee's Bend Ferry	
Alaska	5	Whittier Tunnel	
Alaska	1003	Motor Vessel Leconte	
Alaska	1004	Motor Vessel Tustumena	
Alaska	1005	Motor Vessel Bob Ellis	
Alaska	1006	Motor Vessel Under Construction	
Alaska	1007	Motor Vessel Oral Freeman	
Alaska	1008	Motor Vessel Susitna	
Alaska	1009	Hovercraft Suna-X	
Alaska	1010	Motor Vessels Stikine/ Prince of Wales	
Alaska	1011	Motor Vessel Lituya	
Alaska	1012	Motor Vessel Fairweather	
Alaska	1013	Motor Vessel Chenega	
Alaska	1014	Motor Vessel Aurora	
Alaska	1015	Motor Vessel Taku	
Alaska	1016	Motor Vessel Matanuska	
Alaska	1017	Motor Vessel Kennicott	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Alaska	1018	Motor Vessel Columbia	
Alaska	1019	Motor Vessel Malaspina	
California	8	San Francisco-Oakland Bay Bridge	
California	9	Carquinez Bridge (2 Bridges)	
California	10	Martinez-Benicia Bridge	
California	11	Richmond-San Rafael Bridge	
California	12	Antioch (John A. Nedjedly) Bridge	
California	13	San Mateo-Hayward Bridge	
California	14	Dumbarton Bridge	
California	15	Golden Gate Bridge	
California	16	I-15 Value Pricing Project	
California	17	Seventeen Mile Drive	
California	18	Route 91 Express Lanes	
California	19	Eastern Trans. Corridor (Routes 261, 241, & 133)	
California	20	Foothill Trans. Corridor (Route 241)	
California	21	San Joaquin Hills Trans. Corridor (Route 73)	
California	23	Route 125	
California	297	I-680 SMART Carpool Lanes	
California	298	I-880/SR 237 Express Connector	
California	313	I-110 Express Lanes	
California	1020	Balboa Island	
Colorado	24	HOV/Tolled Express Lanes	
Colorado	25	Northwest Parkway	
Colorado	26	E-470	
Colorado	299	Pikes Peak Toll Road	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Connecticut	1021	Rocky Hill - Glastonbury	
Connecticut	1022	Chester - Hadlyme	
Connecticut	1023	Bridgeport - Port Jefferson	
Connecticut	1024	New London - Orient	
Connecticut	1025	New London - Fishers Island	
Connecticut	1026	New London - Block Island	
Delaware	27	Delaware Memorial Bridge	
Delaware	28	John F. Kennedy Memorial Highway (Delaware Turnpike)	
Delaware	29	SR-1	
Delaware	1027	Lewes - Cape May	
Florida	30	Sunshine Skyway Bridge (I-275)	
Florida	31	Card Sound Bridge	
Florida	32	Mid-Bay Bridge	
Florida	33	Pinellas Bayway System Bridge	
Florida	34	Pensacola Beach Bridge (Bob Sykes Bridge)	
Florida	36	Broad Causeway	
Florida	37	Rickenbacker Causeway (SR-913)	
Florida	40	Sanibel Causeway	
Florida	41	Cape Coral Bridge	
Florida	42	Midpoint Memorial Bridge	
Florida	43	Garcon Point Bridge	
Florida	44	Alligator Alley (Everglades Parkway)	
Florida	45	East-West (Dolphin) Expressway	
Florida	46	Florida Turnpike - Mainline	
Florida	47	Beachline East (Central Florida Expressway)	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Florida	48	Beachline Expressway	
Florida	49	Beachline West	
Florida	50	Homestead Extension of Florida Turnpike (HEFT)	
Florida	51	South Dade (Don Shula) Expressway	
Florida	52	Lee Roy Selmon Crosstown Expressway	
Florida	53	Holland East-West Expressway	
Florida	54	Sawgrass Expressway (SR 869)	
Florida	55	Miami Airport Expressway	
Florida	56	Veterans Expressway (SR 589)	
Florida	57	Seminole Expressway	
Florida	58	Central Florida Greenway (SR-417)	
Florida	59	Daniel Webster - Western Beltway Part C	
Florida	60	Osceola Parkway	
Florida	61	Southern Connector Extension	
Florida	62	Gratigny Parkway	
Florida	63	Suncoast Parkway (SR 589)	
Florida	64	Polk Parkway (SR 570)	
Florida	300	Hammock Dunes Parkway	
Florida	301	Goldenrod Road	
Florida	302	I-95 HOT lanes (North-South Expressway)	
Florida	303	John Land - Apopka Expressway (SR 414)	
Florida	314	Venetian Causeway	
Florida	315	Snapper Creek Expressway	
Florida	318	Gasparilla Bridge	
Georgia	67	Georgia 400 Extension	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Illinois	69	Wabash Memorial Bridge	
Illinois	70	Frank E. Bauer Bridge	
Illinois	71	Fort Madison Bridge	
Illinois	72	Ronald Reagan Memorial Tollway	
Illinois	73	Veterans Memorial Tollway	
Illinois	74	Jane Addams Memorial Tollway	
Illinois	75	Chicago Skyway	
Illinois	76	Tri-State Tollway	
Illinois	77	East-West Tollway (SR-56 Connector)	
Illinois	304	St. Francisville Bridge - Old Wabash Cannonball Railroad Bridge	
Illinois	1028	Calhoun Ferry Company	
Illinois	1029	John Balmann; Canton, MO	
Illinois	1030	Calhoun Ferry Company	
Illinois	1031	New Bourbon Regional Port Authority	
Illinois	1032	Grafton Ferry Boat Company	
Indiana	68	New Harmony Bridge	
Indiana	69	Wabash Memorial Bridge	
Indiana	78	Indiana East-West Toll Road	
Indiana	304	St. Francisville Bridge - Old Wabash Cannonball Railroad Bridge	
Iowa	70	Frank E. Bauer Bridge	
Iowa	71	Fort Madison Bridge	
Iowa	80	Bellevue Bridge	
Iowa	81	Decatur Bridge	
Iowa	82	Plattsmouth Bridge	
Iowa	1033	Cassville Village, WI	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Kansas	83	Kansas Turnpike	
Kentucky	1034	John and Bess Speer	
Kentucky	1035	Anderson Boat Co	
Kentucky	1036	Augusta Ferry Authority	
Louisiana	87	Lake Pontchartrain Causeway	
Louisiana	88	Greater New Orleans Mississippi River/Crescent City Connection Bridge	
Louisiana	89	Avery Island	
Louisiana	317	LA 1 Elevated Highway/Bridge Leeville to Port Fouchon	
Maine	90	Maine Turnpike	
Maine	1037	Margaret Chase Smith	
Maine	1038	Captain Henry Lee	
Maine	1039	Captain Henry Lee	
Maine	1040	Captain Neal Burgess	
Maine	1041	Captain Charles Philbrook	
Maine	1042	Governor Curtis	
Maine	1043	North Haven	
Maine	1044	Everett Libby	
Maine	1045	Machigonne II	
Maine	1046	Maquoit II	
Maine	1047	Island Romance	
Maine	1048	Aucocisco III	
Maine	1049	Bay Mist	
Maine	1050	The 'Cat	
Maine	1051	The 'Cat	
Maryland	91	Harry W. Nice Memorial Bridge	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Maryland	92	Baltimore Harbor Tunnel (2 Tubes)	
Maryland	93	Fort McHenry Tunnel (4 Tubes)	
Maryland	94	Millard Tydings Bridge	
Maryland	95	Hatem Bridge	
Maryland	96	William Preston Lane, Jr. Bridge	
Maryland	97	Francis Scott Key Bridge	
Maryland	98	John F. Kennedy Memorial Highway - Express Toll Lanes (ETL)	
Maryland	99	Intercounty Connector (ICC) (MD 200)	
Maryland	1052	Captain Gilbert Clark	
Maryland	1053	Whites Ferry, Inc.	
Massachusetts	100	Ted Williams Tunnel	
Massachusetts	101	Callahan & Sumner Tunnels	
Massachusetts	102	Maurice J. Tobin Bridge	
Massachusetts	103	Massachusetts Turnpike	
Massachusetts	1054	Woods Hole	
Massachusetts	1055	Hyannis	
Michigan	104	Mackinac Bridge	
Michigan	105	Sault Ste. Marie Bridge	
Michigan	106	Blue Water Bridge	
Michigan	107	New Blue Water Bridge	
Michigan	108	Grosse Isle Bridge	
Michigan	109	Ambassador Bridge	
Michigan	110	Detroit-Windsor Tunnel	
Michigan	1056	Harson's Island	
Michigan	1057	St. Mary's River Ferry System	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Michigan	1058	St. Mary's River Ferry System	
Michigan	1059	St. Mary's River Ferry System	
Michigan	1060	Ironton	
Michigan	1061	Charlevoix/Beaver Island	
Michigan	1062	Cheboygan	
Michigan	1063	Algonac	
Michigan	1064	Marine City	
Michigan	1065	Detroit Windsor Truck Ferry	
Michigan	1066	SS Badger (Ludington - Manitowoc)	
Michigan	1067	Lake Express	
Minnesota	111	12th/15th Avenue, N Bridge	
Minnesota	112	International Falls Bridge	
Minnesota	113	MNPass	
Missouri	114	Lake of the Ozark Com Bridge	
Missouri	1068	Akers	
Missouri	1069	Mississippi County Ferry	
Nebraska	80	Bellevue Bridge	
Nebraska	81	Decatur Bridge	
Nebraska	82	Plattsmouth Bridge	
Nevada	115	Valley of Fire Road	
New Hampshire	116	Cheshire Bridge	
New Hampshire	117	Blue Star Turnpikes	
New Hampshire	118	F. E. Everett Turnpike	
New	119	Henry Bourque Highway (Route 3)	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Hampshire			
New Hampshire	120	Spaulding Turnpike	
New Hampshire	121	Mt. Washington Summit Road	
New Jersey	27	Delaware Memorial Bridge	
New Jersey	122	George Washington Bridge	
New Jersey	123	Goethals Bridge	
New Jersey	124	Holland Tunnel (2 Tubes)	
New Jersey	125	Bayonne Bridge	
New Jersey	126	Outerbridge Crossing Bridge	
New Jersey	127	Lincoln Tunnel (3 Tubes)	
New Jersey	128	I-78 Toll Bridge	
New Jersey	129	Delaware Water Gap Bridge	
New Jersey	130	Ben Franklin Bridge	
New Jersey	131	Walt Whitman Bridge	
New Jersey	132	New Jersey and Pennsylvania Turnpike Bridge	
New Jersey	133	Dingman's Ferry Bridge	
New Jersey	134	Tacony-Palmyra Bridge	
New Jersey	135	Burlington-Bristol Bridge	
New Jersey	136	Trenton-Morrisville Bridge	
New Jersey	137	Easton-Phillipsburg Bridge	
New Jersey	138	Portland-Columbia Bridge	
New Jersey	139	Milford-Montague Bridge	
New Jersey	140	New Hope-Lambertville Bridge	
New Jersey	141	Betsy Ross Bridge	

State	HPMS Toll ID	Name of Toll Facility	New Facility
New Jersey	142	Commodore John Barry Bridge	
New Jersey	143	Margate Bridge	
New Jersey	144	Beesleys Point Bridge	
New Jersey	145	Townsends Inlet Bridge	
New Jersey	146	Grassy Sound Bridge	
New Jersey	147	Middle Thorofare Bridge	
New Jersey	148	Corson's Inlet Bridge	
New Jersey	150	Newark Bay Extension	
New Jersey	151	Pennsylvania Turnpike Extension	
New Jersey	152	New Jersey Turnpike (Main Line)	
New Jersey	153	New Jersey 495	
New Jersey	154	Garden State Parkway	
New Jersey	155	Atlantic City Expressway	
New Jersey	156	Ocean City-Longport Bridge	
New York	122	George Washington Bridge	
New York	123	Goethals Bridge	
New York	124	Holland Tunnel (2 Tubes)	
New York	125	Bayonne Bridge	
New York	126	Outerbridge Crossing Bridge	
New York	127	Lincoln Tunnel (3 Tubes)	
New York	157	South Grand Island Bridge	
New York	158	North Grand Island Bridge	
New York	159	Tappan Zee Bridge	
New York	160	Newburgh-Beacon Bridge	
New York	161	Triborough Bridge	

State	HPMS Toll ID	Name of Toll Facility	New Facility
New York	162	Bronx-Whitestone Bridge	
New York	163	Throgs Neck Bridge	
New York	164	Verrazano-Narrows Bridge	
New York	165	Queens Midtown Tunnel (2 Tubes)	
New York	166	Brooklyn Battery Tunnel	
New York	167	Thousand Islands Bridge	
New York	168	Lewston-Queenston Bridge	
New York	169	Castleton-on-Hudson Bridge	
New York	170	Kingston-Rhinecliff Bridge	
New York	171	Rip Van Winkle Bridge	
New York	172	Mid-Hudson Bridge	
New York	173	Bear Mountain Bridge	
New York	174	Atlantic Beach Bridge	
New York	175	Henry Hudson Bridge	
New York	176	Marine Parkway-Gil Hodges Memorial Bridge	
New York	177	Cross Bay Veterans Memorial Bridge	
New York	178	Peace Bridge	
New York	179	Ogdensburg-Prescott Bridge	
New York	180	Rainbow Bridge	
New York	181	Whirlpool Rapids Bridge	
New York	182	Seaway International Bridge (Cornwall-Massena)	
New York	183	Gov. Thomas E. Dewey Thruway (Main Line)	
New York	184	Berkshire Section	
New York	185	Niagara Section	
New York	186	New England Section	

State	HPMS Toll ID	Name of Toll Facility	New Facility
New York	187	Gov. Thomas E. Dewey Thruway Berkshire Section	
New York	188	Gov. Thomas E. Dewey Thruway Gardenstate Parkway Connection	
New York	189	Whiteface Mountain Vet. Memorial Highway	
New York	190	Prospect Mountain Vet. Memorial Highway	
New York	1070	Shelter Island	
New York	1071	Shelter Island	
New York	1072	Port Kent	
New York	1073	Essex	
New York	1074	Cumberland Head	
New York	1075	Fort Ticonderoga	
New York	1076	Cape Vincent	
North Carolina	193	Triangle Expressway	
North Carolina	1077	Ocracoke - Swan Quarter	
North Carolina	1078	Cedar Island - Ocracoke	
North Carolina	1079	Currituck - Corolla	
North Carolina	1080	Southport Fort Fisher	
North Dakota	111	12th/15th Avenue, N Bridge	
Ohio	195	Newell-East Liverpool Bridge	
Ohio	196	Ohio Turnpike	
Ohio	287	Parkersburg Memorial Bridge	
Ohio	1081	Miller Boat Line	
Ohio	1082	Kelly's Island Ferry	
Ohio	1083	M.V. Pelee Island	
Oklahoma	197	Turner Turnpike	
Oklahoma	198	Will Rogers Turnpike	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Oklahoma	199	H.E. Bailey Turnpike	
Oklahoma	200	Indian Nation Turnpike	
Oklahoma	201	Muskogee Turnpike	
Oklahoma	202	Cimarron Turnpike	
Oklahoma	203	John Kilpatrick Turnpike	
Oklahoma	204	Creek Turnpike	
Oklahoma	205	Chickasaw Turnpike	
Oklahoma	206	Cherokee Turnpike	
Oregon	207	Bridge of the Gods	
Oregon	284	Hood River Bridge	
Oregon	1084	Wheatland Ferry	
Oregon	1085	Buena Vista Ferry	
Oregon	1086	Canby Ferry	
Pennsylvania	128	I-78 Toll Bridge	
Pennsylvania	129	Delaware Water Gap Bridge	
Pennsylvania	130	Ben Franklin Bridge	
Pennsylvania	131	Walt Whitman Bridge	
Pennsylvania	132	New Jersey and Pennsylvania Turnpike Bridge	
Pennsylvania	133	Dingman's Ferry Bridge	
Pennsylvania	134	Tacony-Palmyra Bridge	
Pennsylvania	135	Burlington-Bristol Bridge	
Pennsylvania	136	Trenton-Morrisville Bridge	
Pennsylvania	137	Easton-Phillipsburg Bridge	
Pennsylvania	138	Portland-Columbia Bridge	
Pennsylvania	139	Milford-Montague Bridge	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Pennsylvania	140	New Hope-Lambertville Bridge	
Pennsylvania	141	Betsy Ross Bridge	
Pennsylvania	142	Commodore John Barry Bridge	
Pennsylvania	208	Pennsylvania Turnpike	
Pennsylvania	209	Pennsylvania Turnpike Eastern Extension	
Pennsylvania	210	Pennsylvania Turnpike Northeastern Extension	
Pennsylvania	211	Pennsylvania Turnpike Western Extension	
Pennsylvania	212	Pennsylvania Turnpike Delaware River Extension	
Pennsylvania	213	Mosey Wood Toll Road	
Pennsylvania	214	Greensburg Bypass	
Pennsylvania	215	Beaver Valley Expressway	
Pennsylvania	216	Monvalley Expressway	
Pennsylvania	217	Mon-Fayette Expressway	
Pennsylvania	310	Calhoun Street Bridge	
Pennsylvania	311	Toll Road 576 (Southern Beltway)	
Pennsylvania	1088	Fredericktown	
Pennsylvania	1089	Millersburg	
Puerto Rico	289	Teodoro Moscoso Bridge	
Puerto Rico	290	Luis A. Ferre Expressway (PR-52)	
Puerto Rico	291	De Diego Expressway (PR-22)	
Puerto Rico	292	PR-53 Expressway: José Celso Barbosa	
Puerto Rico	293	PR-53 Expressway: José Dávila Mosanto	
Puerto Rico	294	Rafael Martínez Nadal Expressway (PR-20)	
Puerto Rico	295	Expreso Rio Hondo (PR-5)	
Puerto Rico	296	Roberto Sánchez Vilella Expressway (PR-66)	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Puerto Rico	1117	Fajardo - Vieques	
Puerto Rico	1118	Fajardo - Culebra	
Puerto Rico	1119	Vieques - Culebra	
Puerto Rico	1120	San Juan-Cataño	
Puerto Rico	1121	San Juan-Hato Rey	
Rhode Island	218	Newport Bridge	
Rhode Island	333	Sakonnet River Bridge-Managed by RI Turnpike and Bridge Authority (RITBA)	*
Rhode Island	1090	Bristol	
Rhode Island	1091	Point Judith	
South Carolina	219	Southern Connector	
South Carolina	221	Cross Island Parkway (U.S. 278)	
Tennessee	1092	Cumberland City	
Tennessee	1093	Benton-Houston	
Tennessee	1094	Helms	
Texas	222	Addison Airport Tunnel	
Texas	223	Mountain Creek Lake Bridge	
Texas	224	Sam Houston Ship Channel Bridge	
Texas	225	San Luis-Vacek Pass Bridge	
Texas	226	Gateway International Bridge	
Texas	227	B & M Bridge	
Texas	228	Free Trade Bridge	
Texas	229	Veterans International Bridge	
Texas	230	Weslaco-Progreso International Bridge	
Texas	231	Pharr-Reynosa Bridge	
Texas	232	McAllen-Hidalgo-Reynosa Bridge	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Texas	233	Rio Grande City-Camargo Bridge	
Texas	234	Roma-Ciudad Miguel Aleman Bridge	
Texas	235	Juarez-Lincoln Bridge	
Texas	236	Laredo International Bridge (Convent St.)	
Texas	237	World Trade Bridge	
Texas	238	Laredo-Columbia Solidarity Bridge	
Texas	239	Eagle Pass Bridge # 1	
Texas	240	Camino Real International Bridge	
Texas	241	Del Rio-Ciudad Acuna International Bridge	
Texas	242	Presidio Bridge	
Texas	243	Ysleta-Zaragosa Bridge	
Texas	244	Good Neighbor Bridge (Stanton St.)	
Texas	245	Paso Del Norte Bridge (Santa Fe St.)	
Texas	246	Katy I-10 QuickRide and U.S. 290	
Texas	247	Dallas North Tollway	
Texas	248	Sam Houston Tollway - East	
Texas	249	Sam Houston Tollway - West	
Texas	250	Sam Houston Tollway - SW Belt	
Texas	251	Sam Houston Tollway - SE Belt	
Texas	252	Hardy Toll Road	
Texas	253	Westpark Tollway	
Texas	254	President George Bush Turnpike	
Texas	255	Camino Colombia	
Texas	256	US 183-A	
Texas	257	Fort Bend Parkway Extension	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Texas	258	SH 45	
Texas	259	SH 45 SE	
Texas	260	SH 130	
Texas	261	Loop 49	
Texas	262	Sam Rayburn Tollway	
Texas	263	Loop 1	
Texas	264	Central Texas Turnpike	
Texas	266	Harris County Beltway 8	
Texas	305	Lewisville Lake Bridge	
Texas	306	Donna International Bridge	
Texas	307	I-635 LBJ Managed Lanes, Dallas/Ft. Worth	
Texas	308	NTE - (I-820/SH 183 Managed Lanes - Ft. Worth)	
Texas	319	Anzalduas International	
Texas	320	Tornillo-Guadalupe	
Texas	321	Chisholm Trail Parkway	
Texas	322	Sam Huston Tollway- NE	
Texas	323	DFW Connector	
Texas	324	SH99 (Grand Parkway) - Segment I-2	
Texas	325	SH99 (Grand Parkway) - Segment E	
Texas	326	SH99 (Grand Parkway) - Segments F-1, F-2, and G	
Texas	327	SH 130 Seg 5/6	
Texas	328	Loop 375 (Cesar Chavez Managed Lanes)	
Texas	329	Tom Landry Expressway (I-30)	
Texas	330	SH 550	
Texas	331	Manor Expressway - Phase 1	

State	HPMS Toll ID	Name of Toll Facility	New Facility
Texas	332	Manor Expressway - Phase 2	
Texas	1095	Los Ebanos Ferry	
Utah	267	Express Lanes (Salt Lake City)	
Utah	268	Adams Avenue Parkway	
Utah	1096	Charles Hall	
Vermont	116	Cheshire Bridge	
Vermont	269	Equinox Sky Line Drive	
Vermont	270	Mt. Mansfield Toll Road	
Vermont	271	Burke Mountain Toll Road	
Virgin Islands	1116	Trans Services - St. John	
Virginia	91	Harry W. Nice Memorial Bridge	
Virginia	272	Boulevard (SR 161) Bridge	
Virginia	273	Jordan Bridge	
Virginia	274	Chesapeake Bay (US 13) Bridge-Tunnel	
Virginia	275	George P. Coleman Bridge (U.S. 17)	
Virginia	276	Powhite Parkway Extension (Route 76)	
Virginia	277	Downtown Expressway (Route 195)	
Virginia	279	Washington-Dulles Access Toll Road/Route 267 (Hirst-Brault Expressway)	
Virginia	280	Dulles Greenway (Hirst-Brault Expressway)	
Virginia	281	Chesapeake Expressway (Route 168)	
Virginia	282	Pocahontas Parkway (Route 895)	
Virginia	312	I-495 HOT lanes	
Virginia	334	I-95 Stafford County MP 145.47 to MP 148.18 - Reversible Hot Lane	*
Virginia	334	I-95 Prince William County MP 148.18 to MP 161.40 - Reversible Hot Lane	*
Virginia	334	I-95 Fairfax County MP 161.40 to MP 169.66 - Reversible Hot Lane	*

State	HPMS Toll ID	Name of Toll Facility	New Facility
Virginia	334	I-395 Fairfax County MP 0 to MP 2.73 - HOV Reversible Lane	*
Virginia	335	I-264 City of Norfolk MP 6.07 to MP 7.36 - downtown Tunnel & Approaches	*
Virginia	336	U.S. Route 58 City of Norfolk - MP 488.54 to MP 490.05 - Midtown tunnel & approaches	*
Washington	207	Bridge of the Gods	
Washington	284	Hood River Bridge	
Washington	285	Tacoma Narrows Bridge	
Washington	309	SR 167 - HOT Lanes	
Washington	316	Albert D. Rosellini Bridge	
Washington	1087	Puget Island Ferry	
Washington	1097	Seattle - Bainbridge Island	
Washington	1098	Seattle - Bremerton	
Washington	1099	Edmonds - Kingston	
Washington	1100	Port Townsend	
Washington	1101	Mukilteo - Clinton	
Washington	1102	Pt. Defiance - Tahlequah	
Washington	1103	Fauntleroy - Southworth	
Washington	1104	Fauntleroy - Vashon	
Washington	1105	Southworth - Vashon	
Washington	1106	Anacortes - San Juan Isles	
Washington	1107	Guemes Island	
Washington	1108	Lummi Island	
Washington	1109	Steilacoom	
Washington	1110	Wahkiakum Co. Public Works Ferry	
Washington	1111	Anacortes - Sidney	
Washington	1112	Port Angeles	

State	HPMS Toll ID	Name of Toll Facility	New Facility
West Virginia	195	Newell-East Liverpool Bridge	
West Virginia	217	Mon-Fayette Expressway	
West Virginia	287	Parkersburg Memorial Bridge	
West Virginia	288	West Virginia Turnpike	
West Virginia	1113	Sistersville	
Wisconsin	1114	Washington Island	
Wisconsin	1115	Bayfeld	

Toll IDs 1001-1121 denote ferry facilities
New Harmony Bridge (HPMS Toll ID #68) was closed on 5/2012

Appendix G.Sample View Export and Calculations

A Sample View will be created by the HPMS software to be exported as a Character Separated Value (CSV) file. The format of this file is identified below.

The Calculation Method for each data item's value falls into several categories generally based on the format of the data. These rules are applied when a Sample Panel section's limits are occupied by several sections, for the purpose of determining a single value for a particular data item. These calculation methods are as follows:

1. **No Calculation –** Value will be consistent with the value reported for a given section.

2. **Combination –** Calculated value will be based on a concatenation of multiple (text) values that fall within the limits of the section.

3. **Minimum Value –** Calculated value will be based on the lowest value in a range of values that fall within the limits of the section.

4. **Predominance –** Calculated value will be based on the most prevalent value that falls within the limits of the section.

5. **Weighted Averaging –** Calculated value will be based on an averaging of values that fall within the limits of the section, weighted by the length of the section.

The following table includes the name of the Data Item and the particular calculation method that is used for the Data Item.

Field Name	Calculation Method
Year_Record	No Calculation
State_Code	No Calculation
Route_ID	No Calculation
Begin_Point	No Calculation
End_Point	No Calculation
Section_Length	End_Point – Begin_Point (where State reported value is 0)
F_System	No Calculation
Urban_Code	No Calculation
Facility_Type	No Calculation
Structure_Type	No Calculation
Access_Control	Predominance
Ownership	Predominance
Through_Lanes	No Calculation
HOV_Type	Predominance

Field Name	Calculation Method
HOV_Lanes	Predominance
Peak_Lanes	Predominance
Counter_Peak_Lanes	Predominance
Turn_Lanes_R	Predominance
Turn_Lanes_L	Predominance
Speed_Limit	Predominance
Toll_Charged	Predominance
Toll_Type	Predominance
Route_Number	Predominance
Route_Signing	Predominance
Route_Qualifier	Predominance
AADT	No Calculation
AADT_Single_Unit	Weighted Averaging
Pct_Peak_Single	Weighted Averaging
AADT_Combination	Weighted Averaging
Pct_Peak_Combination	Weighted Averaging
K_Factor	Weighted Averaging
Dir_Factor	Weighted Averaging
Future_AADT	No Calculation
Future_AADT_Year	No Calculation
Signal_Type	Predominance
Pct_Green_Time	Weighted Averaging
Number_Signals	No Calculation
Stop_Signs	No Calculation
At_Grade_Other	No Calculation
Lane_Width	Predominance
Median_Type	Predominance
Median_Width	Predominance
Shoulder_Type	Predominance
Shoulder_Width_R	Predominance
Shoulder_Width_L	Predominance
Peak_Parking	Predominance
Widening_Obstacle	Combination
Widening_Potential	Minimum Value
Curves_A	No Calculation
Curves_B	No Calculation

Field Name	Calculation Method
Curves_C	No Calculation
Curves_D	No Calculation
Curves_E	No Calculation
Curves_F	No Calculation
Terrain_Type	Predominance
Grades_A	No Calculation
Grades_B	No Calculation
Grades_C	No Calculation
Grades_D	No Calculation
Grades_E	No Calculation
Grades_F	No Calculation
Pct_Pass_Sight	Minimum Value
IRI	Weighted Averaging
PSR	Weighted Averaging
Surface_Type	Predominance
Rutting	Weighted Averaging
Faulting	Weighted Averaging
Cracking_Percent	Weighted Averaging
Cracking_Length	Weighted Averaging
Year_Last_Improv	Predominance
Year_Last_Construction	Predominance
Last_Overlay_Thickness	Predominance
Thickness_Rigid	Predominance
Thickness_Flexible	Predominance
Base_Type	Predominance
Base_Thickness	Predominance
Climate_Zone	Predominance
Soil_Type	Predominance
County_Code	Predominance
NHS	No Calculation
Future_Facility	No Calculation
STRAHNET_Type	No Calculation
Truck	No Calculation
Maintenance_Operations	Predominance
Capacity	Weighted Averaging
VSF	Capacity Calculation*

Field Name	Calculation Method
Computed Capacity	Capacity Calculation*
Design_Speed	Design Speed Calculation*
Vertical_Alignment	Vertical Alignment Calculation*
Horizontal_Alignment	Horizontal Alignment Calculation*
Volume_Group	No Calculation
Expansion_Factor	Sample Adequacy Calculation

*Values may be overridden by the States if found to not be representative of actual value.

Appendix H.HPMS Crosswalk Table

N/A = Not Applicable

Item No.	Item Name	HPMS 2000 Codes	HPMS 2010+ Codes
1	F_System (Formerly Item #17)	RURAL 1=Principal Arterial-Interstate. 2=Principal Arterial-Other. 6=Minor Arterial. 7=Major Collector. 8=Minor Collector. 9=Local. URBAN 11=Principal Arterial-Interstate. 12=Principal Arterial-Other. Freeways & Expressways. 14=Principal Arterial-Other. 16=Minor Arterial. 17=Collector. 19=Local.	1=Interstate. 2=Principal Arterial-Other Freeways & Expressways. 3=Principal Arterial-Other. 4=Minor Arterial. 5=Major Collector. 6=Minor Collector. 7=Local.
2	Urban_Code (Formerly Item #13 and #15)	1=Rural (pop. < 5K). 2=Small Urban (pop. 5K to 50K). 3=Small Urbanized (pop. 50K to 200K). 4=Large Urbanized (pop. > 200 K).	99999=Rural. 99998=Small Urban. *Use Census Urban Area Codes for Small and Large Urbanized areas.
3	Facility_Type (Formerly Item #27)	1=One-Way Roadway. 2=Two-Way Roadway. 3=One-Way Structure. 4=Two-Way Structure.	1= One-Way Roadway. 2=Two-Way Roadway. 4=Ramp. 5=Non-Mainline. 6=Non-Inventory Direction.
4	Structure_Type	N/A	1=Section is a Bridge. 2=Section is a Tunnel. 3=Section is a Causeway.
5	Access_Control (Formerly Item #55)	1=Full Access Control. 2=Partial Access Control. 3=No Access Control.	NO CHANGE
6	Ownership (Formerly Item #25)	1=State Hwy Agency. 2=County Hwy Agency. 3=Town or Township Hwy Agency. 4=Municipal Hwy Agency. 5=Other State Agency. 6=Other Local Agency. 7=Federal Agency. 8=Other.	1=State Hwy Agency. 2=County Hwy Agency. 3=Town or Township Hwy Agency. 4=City or Municipal Hwy Agency. 11=State Park, Forest, or Reservation Agency. 12=Local Park, Forest, or Reservation Agency. 21=Other State Agency. 25=Other Local Agency. 26=Private (other than Railroad). 27=Railroad. 31=State Toll Authority. 32=Local Toll Authority.

Item No.	Item Name	HPMS 2000 Codes	HPMS 2010+ Codes
			40=Other Public Instrumentality (e.g., Airport, School, University). 50=Indian Tribe Nation. 60=Other Federal Agency. 62=Bureau of Indian Affairs. 63=Bureau of Fish and Wildlife. 64=U.S. Forest Service. 66=National Park Service. 67=Tennessee Valley Authority. 68=Bureau of Land Management. 69=Bureau of Reclamation. 70=Corps of Engineers. 72=Air Force. 73=Navy/Marines. 74=Army. 80=Other.
7	Through_Lanes (Formerly Item #34)	Coded/Entered Value	NO CHANGE
8	HOV_Type (Formerly Item #37)	0=Section does not have HOV lanes. 1=Section has exclusive HOV lanes. 2=Normal through lanes(s) used for exclusive HOV in specified time periods. 3=Shoulder/parking lanes(s) used for exclusive HOV in specified time periods.	1=Full-time: Section has 24-hr. exclusive HOV lanes (HOV use only; no other use permitted). 2=Part-time: Normal through lanes used for exclusive HOV during specified time periods. 3=Part-time: Shoulder/Parking lanes used for exclusive HOV during specified time periods.
9	HOV_Lanes	N/A	Coded/Entered Value
10	Peak_Lanes (Formerly Item #87)	Coded/Entered Value	NO CHANGE
11	Counter_Peak_Lanes	N/A	Coded/Entered Value
12	Turn_Lanes_R (Formerly Item #89)	0=Not applicable, this is a rural section or no intersections exist on this section. 1=Turns permitted; multiple exclusive right turning lanes exist. Through movements are prohibited in these lanes. Multiple turning lanes allow for simultaneous turns from all turning lanes. 2=Turns permitted; a continuous exclusive right turning lane exists from intersection to intersection. Through movements are prohibited in this lane. 3=Turns permitted; a single exclusive right turning lane exists. 4=Turns permitted; no exclusive right turning lanes exist. 5=No right turns are permitted during the peak period.	1=No intersections exist on the section. 2=Turns permitted; multiple exclusive right turning lanes exist. Through movements are prohibited in these lanes. Multiple turning lanes allow for simultaneous turns from all turning lanes. 3=Turns permitted; a continuous exclusive right turning lane exists from intersection to intersection. Through movements are prohibited in this lane. 4=Turns permitted; a single exclusive right turning lane exists. 5=Turns permitted; no exclusive right turning lanes exist. 6=No right turns are permitted during the peak period.
13	Turn_Lanes_L (Formerly Item #88)	Same as Turn_Lanes_R	Same as Turn_Lanes_R

Item No.	Item Name	HPMS 2000 Codes	HPMS 2010+ Codes
14	Speed_Limit (Formerly Item #80)	Coded/Entered Value	NO CHANGE
15	Toll_Charged	N/A	1=Toll charged in one direction only. 2=Toll charged in both directions. 3=No toll charged
16	Toll_Type (Formerly Item #29)	1=Section is non-toll. 2=Section is toll.	1=This section has toll lanes but no HOT lanes. 2=This section has HOT lanes.
17	Route_Number (Formerly Item #24)	Coded/Entered Value (Text)	NO CHANGE
18	Route_Signing (Formerly Item #22)	0=Not Signed. 1=Interstate. 2=U.S.. 3=State. 4=Off-Interstate Business Marker. 5=County. 6=Township. 7=Municipal. 8=Parkway Marker or Forest Route Marker. 9=None of the Above.	1=Not Signed. 2=Interstate. 3=U.S. 4=State. 5=Off-Interstate Business Marker. 6=County. 7=Township. 8=Municipal. 9=Parkway Marker or Forest Route Marker. 10=None of the Above.
19	Route_Qualifier (Formerly Item #23)	0=No Qualifier or Not Signed. 1=Alternate. 2=Business Route. 3=Bypass. 4=Spur. 5=Loop. 6=Proposed. 7=Temporary. 8=Truck Route. 9=None of the Above.	1=No Qualifier or Not Signed. 2=Alternate. 3=Business Route. 4=Bypass. 5=Spur. 6=Loop. 7=Proposed. 8=Temporary. 9=Truck Route. 10=None of the Above.
20	Alternative_Route_Name	N/A	Coded/Entered Value
21	AADT (Formerly Item #33)	Coded/Entered Value	NO CHANGE
22	AADT_Single_Unit (Formerly Item #82)	Coded/Entered Value (Percent)	Coded/Entered Value (AADT)
23	Pct_Peak_Single	Coded/Entered Value	Coded/Entered Value (Nearest 0.001 %)
24	AADT_Combination (Formerly Item #84)	Coded/Entered Value (Percent)	Coded/Entered Value (AADT)
25	Pct_Peak_Combination	Coded/Entered Value	Coded/Entered Value (Nearest 0.001 %)
26	K_Factor (Formerly Item #85)	Coded/Entered Value	NO CHANGE
27	Dir_Factor (Formerly Item #86)	Coded/Entered Value	NO CHANGE

Item No.	Item Name	HPMS 2000 Codes	HPMS 2010+ Codes
28	Future_AADT (Formerly Item #97 & 98)	Coded/Entered Value	NO CHANGE
29	Signal_Type (Formerly Item #90)	0=Not applicable; this is a rural section. 1=Uncontrolled Fixed Time. 2=Uncoordinated Traffic Actuated. 3=Coordinated Progressive. 4=No signal systems exist.	1=Uncoordinated Fixed Time. 2=Uncoordinated Traffic Actuated. 3=Coordinated Progressive. 4=Coordinated Real-time Adaptive. 5=No signal systems exist.
30	Pct_Green_Time (Formerly Item #91)	Coded/Entered Value	NO CHANGE
31	Number_Signals (Formerly Item #92)	Coded/Entered Value	NO CHANGE
32	Stop_Signs (Formerly Item #93)	Coded/Entered Value	NO CHANGE
33	At_Grade_Other (Formerly Item #94)	Coded/Entered Value	NO CHANGE
34	Lane_Width (Formerly Item #54)	Coded/Entered Value	NO CHANGE
35	Median_Type (Formerly Item #56)	1=Curbed. 2=Positive barrier-unspecified. 3=Unprotected. 4=None.	1=None. 2=Unprotected. 3=Curbed. 4=Positive barrier-unspecified. *5=Positive barrier-flexible. *6=Positive barrier-semi-rigid. *7=Positive barrier – rigid. *Codes 5, 6, and 7 are optional.
36	Median_Width (Formerly Item #57)	Coded/Entered Value	NO CHANGE
37	Shoulder_Type (Formerly Item #58)	1=None. 2=Surfaced shoulder exists (bituminous concrete or Portland cement concrete surface). 3=Stabilized shoulder exists- (stabilized gravel or other granular material with or without admixture). 4=Combination shoulder exists – (shoulder width has two or more surface types; e.g., part of the shoulder width is surfaced and a part of the width is earth). 5=Earth shoulder exists. 6=Barrier curb exists; no shoulder in front of curb.	1=None. 2=Surfaced shoulder exists – bituminous concrete (AC). 3=Surfaced shoulder exists – Portland Cement Concrete surface (PCC). 4=Stabilized shoulder exists – (stabilized gravel or other granular material with or without admixture) 5=Combination shoulder exists (shoulder width has two or more surface types; e.g., part of the shoulder width is surfaced and a part of the width is earth). 6=Earth shoulder exists. 7=Barrier curb exists; no shoulder in front of curb.
38	Shoulder_Width_R (Formerly Item #59)	Coded/Entered Value	NO CHANGE
39	Shoulder_Width_L (Formerly Item #60)	Coded/Entered Value	NO CHANGE
40	Peak_Parking	0=Not Applicable-Rural.	1=Parking allowed on one side.

Item No.	Item Name	HPMS 2000 Codes	HPMS 2010+ Codes
	(Formerly Item #61)	1=Parking allowed on one side. 2=Parking allowed on both sides. 3=No parking allowed or none available.	2=Parking allowed on both sides. 3=No parking allowed or none available.
41	Widening_Obstacle	N/A	X=No obstacles. A=Dense development. B=Major transportation facilities. C=Other public facilities D=Terrain restrictions. E=Historic and archeological sites. F=Environmentally sensitive areas. G=Parkland.
42	Widening_Potential	N/A	Coded/Entered Value
43	Curves (Curves_A through Curves_F) (Formerly Item #63-#68)	Coded/Entered Value	NO CHANGE
44	Terrain_Type (Formerly Item #70)	0=Not Applicable-Urban 1=Level 2=Rolling 3=Mountainous	1=Level 2=Rolling 3=Mountainous
45	Grades (Grades_A through Grades_F) (Formerly Item #72-#77)	Coded/Entered Value	NO CHANGE
46	Pct_Pass_Sight (Formerly Item #78)	Coded/Entered Value	NO CHANGE
47	IRI (Formerly Item #35)	Coded/Entered Value	NO CHANGE
48	PSR (Formerly Item #36)	Coded/Entered Value	NO CHANGE
49	Surface_Type (Formerly Item #50)	1=Unpaved. 2=Low Type Bituminous. 3=Intermediate Type Bituminous. 4=High Type Bituminous. 5=High Type Rigid. 6=High Type Composite.	1=Unpaved. 2=Bituminous. 3=JPCP-Jointed Plain Concrete Pavement. 4=JRCP-Jointed Reinforced Concrete Pavement. 5=CRCP-Continuously Reinforced Concrete Pavement. 6=Asphalt-Concrete (AC) Overlay over Existing AC Pavement. 7=AC Overlay over Existing Jointed Concrete Pavement. 8=AC (Bitum. Overlay over Existing CRCP). 9=Unbonded Jointed Concrete Overlay on PCC Pavements. 10=Bonded PCC Overlays on PCC Pavements. 11=Other.
50	Rutting	N/A	Coded/Entered Value
51	Faulting	N/A	Coded/Entered Value

Item No.	Item Name	HPMS 2000 Codes	HPMS 2010+ Codes
52	Cracking_Percent	N/A	Coded/Entered Value (Percent)
54	Year_Last_Improv (Formerly Item #53)	Coded/Entered Value (Date)	NO CHANGE
55	Year_Last_Construction	N/A	Coded/Entered Value (Date)
56	Last_Overlay_Thickness	N/A	Coded/Entered Value
57	Thickness_Rigid (Formerly Item #51)	Coded/Entered Value	NO CHANGE
58	Thickness_Flexible (Formerly Item #51)	Coded/Entered Value	NO CHANGE
59	Base_Type	N/A	1=No base. 2=Aggregate. 3=Asphalt or cement stabilized. 5=Hot mix AC (Bituminous). 6=Lean concrete. 7=Stabilized open-graded permeable. 8=Fractured PCC.
60	Base_Thickness	N/A	Coded/Entered Value
61	Climate_Zone (Formerly Item #52)	1=Wet; Freeze. 2=Wet; Freeze-Thaw. 3=Wet; No Freeze. 4=Intermediate; Freeze. 5=Intermediate; Freeze-Thaw. 6=Intermediate; No Freeze. 7=Dry; Freeze. 8=Dry; Freeze-Thaw. 9=Dry; No Freeze.	Will be coded by FHWA; States will have override capability: 1=Wet-Freeze. 2=Wet-Non Freeze. 3=Dry-Freeze. 4=Dry-Non Freeze.
62	Soil_Type	N/A	Will be coded by FHWA; States will have override capability: 1=Granular (35% or less passing the 0.075 mm sieve). 2=Fine (Silt-Clay) Materials (>35% passing the 0.075 mm sieve).
63	County_Code	Coded / Entered Value	NO CHANGE
64	NHS (Formerly Item #19)	0 = This section is not on the NHS 1 = This section **is** on the NHS but **is not** an NHS intermodal connector 2 = Major Airport 3 = Major Port Facility 4 = Major Amtrak Station 5 = Major Rail/Truck Terminal 6 = Major Inner City Bus Terminal 7 = Major Public Transportation or Multi-Modal Passenger Terminal 8 = Major Pipeline Terminal 9 = Major Ferry Terminal	1 = Non-connector NHS 2 = Major Airport 3 = Major Port Facility 4 = Major Amtrak Station 5 = Major Rail/Truck Terminal 6 = Major Inner City Bus Terminal 7 = Major Public Transportation or Multi-Modal Passenger Terminal 8 = Major Pipeline Terminal 9 = Major Ferry Terminal

Item No.	Item Name	HPMS 2000 Codes	HPMS 2010+ Codes
65	STRAHNET_Type (Formerly Item #26)	0 = Section is not on STRAHNET or is a STRAHNET connector 1 = Section is on STRAHNET or is a STRAHNET connector	1 = Regular STRAHNET 2 – Connector
66	Truck (Formerly Item #28)	1 = Not on a designated truck route 2 = Designated truck route under **Federal authority** in 23 CFR 658.	1 = Section is on the National Network (NN) 2 = Other state-designated truck route (optional)
67	Future_Facility (Formerly Item #20)	0 = This roadway section **is not** on the NHS. 1 = This roadway section **is on** the NHS and is open to public travel. 2 = This roadway section **is on** the NHS but is not yet built.	1 = Unbuilt NHS section
68	Maintenance_Operations	N/A	1=State Hwy Agency. 2=County Hwy Agency. 3=Town or Township Hwy Agency. 4=City or Municipal Hwy Agency. 11=State Park, Forest, or Reservation Agency. 12=Local Park, Forest, or Reservation Agency. 21=Other State Agency. 25=Other Local Agency. 26=Private (other than Railroad). 27=Railroad. 31=State Toll Authority. 32=Local Toll Authority. 40=Other Public Instrumentality (e.g., Airport, School, University). 50=Indian Tribe Nation. 60=Other Federal Agency. 62=Bureau of Indian Affairs. 63=Bureau of Fish and Wildlife. 64=U.S. Forest Service. 66=National Park Service. 67=Tennessee Valley Authority. 68=Bureau of Land Management. 69=Bureau of Reclamation. 70=Corps of Engineers. 72=Air Force. 73=Navy/Marines. 74=Army. 80=Other.
69	Capacity	N/A	Coded/Entered Value

Appendix I. Urbanized Area Codes

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Alabama	Anniston--Oxford, AL	02629		79,796	79,796
Alabama	Auburn, AL	04033		74,741	74,741
Alabama	Birmingham, AL	07786		749,495	749,495
Alabama	Columbus, GA--AL	19099	P	61,264	253,602
Alabama	Daphne--Fairhope, AL	22285		57,383	57,383
Alabama	Decatur, AL	22690		70,436	70,436
Alabama	Dothan, AL	24472		68,781	68,781
Alabama	Florence, AL	29953		77,074	77,074
Alabama	Gadsden, AL	32113		64,172	64,172
Alabama	Huntsville, AL	40780		286,692	286,692
Alabama	Mobile, AL	57925		326,183	326,183
Alabama	Montgomery, AL	58600		263,907	263,907
Alabama	Pensacola, FL--AL	68482	P	6,266	340,067
Alabama	Tuscaloosa, AL	89110		139,114	139,114
Alaska	Anchorage, AK	02305		251,243	251,243
Alaska	Fairbanks, AK	28549		64,513	64,513
Arizona	Avondale--Goodyear, AZ	04549		197,041	197,041
Arizona	Casa Grande, AZ	14401		51,331	51,331
Arizona	Flagstaff, AZ	29818		71,957	71,957
Arizona	Lake Havasu City, AZ	46747		53,427	53,427
Arizona	Phoenix--Mesa, AZ	69184		3,629,114	3,629,114
Arizona	Prescott Valley--Prescott, AZ	72112		84,744	84,744
Arizona	Sierra Vista, AZ	81901		52,745	52,745
Arizona	Tucson, AZ	88732		843,168	843,168
Arizona	Yuma, AZ--CA	98020	P	134,256	135,267
Arkansas	Conway, AR	19801		65,277	65,277
Arkansas	Fayetteville--Springdale--Rogers, AR--MO	29494	P	295,081	295,083
Arkansas	Fort Smith, AR--OK	30925	P	120,714	122,947
Arkansas	Hot Springs, AR	40213		55,121	55,121
Arkansas	Jonesboro, AR	43345		65,419	65,419
Arkansas	Little Rock, AR	50392		431,388	431,388
Arkansas	Memphis, TN--MS--AR	56116	P	40,270	1,060,061
Arkansas	Pine Bluff, AR	69454		53,495	53,495
Arkansas	Texarkana--Texarkana, TX--AR	87193	P	26,072	78,162
California	Antioch, CA	02683		277,634	277,634
California	Arroyo Grande--Grover Beach, CA	03196		52,000	52,000
California	Bakersfield, CA	04681		523,994	523,994
California	Camarillo, CA	12754		71,772	71,772

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
California	Chico, CA	16318		98,176	98,176
California	Concord, CA	19504		615,968	615,968
California	Davis, CA	22420		72,794	72,794
California	Delano, CA	22987		54,372	54,372
California	El Centro--Calexico, CA	26416		107,672	107,672
California	El Paso de Robles (Paso Robles)--Atascadero, CA	27261		65,088	65,088
California	Fairfield, CA	28657		133,683	133,683
California	Fresno, CA	31843		654,628	654,628
California	Gilroy--Morgan Hill, CA	33328		98,413	98,413
California	Hanford, CA	36703		87,941	87,941
California	Hemet, CA	38215		163,379	163,379
California	Indio--Cathedral City, CA	41347		345,580	345,580
California	Lancaster--Palmdale, CA	47611		341,219	341,219
California	Livermore, CA	50527		81,624	81,624
California	Lodi, CA	50851		68,738	68,738
California	Lompoc, CA	51040		51,509	51,509
California	Los Angeles--Long Beach--Anaheim, CA	51445		12,150,996	12,150,996
California	Madera, CA	52984		78,413	78,413
California	Manteca, CA	54145		83,578	83,578
California	Merced, CA	56251		136,969	136,969
California	Mission Viejo--Lake Forest--San Clemente, CA	57709		583,681	583,681
California	Modesto, CA	58006		358,172	358,172
California	Murrieta--Temecula--Menifee, CA	60799		441,546	441,546
California	Napa, CA	61057		83,913	83,913
California	Oxnard, CA	66673		367,260	367,260
California	Petaluma, CA	68887		64,078	64,078
California	Porterville, CA	71074		70,272	70,272
California	Redding, CA	73774		117,731	117,731
California	Reno, NV--CA	74179	P	9	392,141
California	Riverside--San Bernardino, CA	75340		1,932,666	1,932,666
California	Sacramento, CA	77068		1,723,634	1,723,634
California	Salinas, CA	78310		184,809	184,809
California	San Diego, CA	78661		2,956,746	2,956,746
California	San Francisco--Oakland, CA	78904		3,281,212	3,281,212
California	San Jose, CA	79039		1,664,496	1,664,496
California	San Luis Obispo, CA	79147		59,219	59,219
California	Santa Barbara, CA	79282		195,861	195,861
California	Santa Clarita, CA	79309		258,653	258,653
California	Santa Cruz, CA	79336		163,703	163,703
California	Santa Maria, CA	79417		130,447	130,447
California	Santa Rosa, CA	79498		308,231	308,231

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
California	Seaside--Monterey, CA	80362		114,237	114,237
California	Simi Valley, CA	82144		125,206	125,206
California	Stockton, CA	85087		370,583	370,583
California	Thousand Oaks, CA	87490		214,811	214,811
California	Tracy, CA	88273		87,569	87,569
California	Turlock, CA	89083		99,904	99,904
California	Vacaville, CA	89866		93,141	93,141
California	Vallejo, CA	90028		165,074	165,074
California	Victorville--Hesperia, CA	90541		328,454	328,454
California	Visalia, CA	90946		219,454	219,454
California	Watsonville, CA	92890		73,534	73,534
California	Woodland, CA	96994		55,513	55,513
California	Yuba City, CA	97939		116,719	116,719
California	Yuma, AZ--CA	98020	P	1,011	135,267
Colorado	Boulder, CO	09298		114,591	114,591
Colorado	Colorado Springs, CO	18856		559,409	559,409
Colorado	Denver--Aurora, CO	23527		2,374,203	2,374,203
Colorado	Fort Collins, CO	30628		264,465	264,465
Colorado	Grand Junction, CO	34273		128,124	128,124
Colorado	Greeley, CO	34786		117,825	117,825
Colorado	Lafayette--Louisville--Erie, CO	46126		79,407	79,407
Colorado	Longmont, CO	51175		90,897	90,897
Colorado	Pueblo, CO	72613		136,550	136,550
Connecticut	Bridgeport--Stamford, CT--NY	10162	P	877,630	923,311
Connecticut	Danbury, CT--NY	22096	P	161,323	168,136
Connecticut	Hartford, CT	37243		924,859	924,859
Connecticut	New Haven, CT	62407		562,839	562,839
Connecticut	New York--Newark, NY--NJ--CT	63217	P	114	18,351,295
Connecticut	Norwich--New London, CT--RI	64135	P	188,041	209,190
Connecticut	Springfield, MA--CT	83926	P	89,711	621,300
Connecticut	Waterbury, CT	92485		194,535	194,535
Connecticut	Worcester, MA--CT	97291	P	32,928	486,514
Delaware	Dover, DE	24580		110,769	110,769
Delaware	Philadelphia, PA--NJ--DE--MD	69076	P	481,625	5,441,567
Delaware	Salisbury, MD--DE	78364	P	24,588	98,081
District of Columbia	Washington, DC--VA--MD	92242	P	601,723	4,586,770
Florida	Bonita Springs, FL	08974		310,298	310,298
Florida	Cape Coral, FL	13510		530,290	530,290
Florida	Deltona, FL	23311		182,169	182,169
Florida	Fort Walton Beach--Navarre--Wright, FL	31060		191,917	191,917

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Florida	Gainesville, FL	32167		187,781	187,781
Florida	Homosassa Springs--Beverly Hills--Citrus Springs, FL	39758		80,962	80,962
Florida	Jacksonville, FL	42346		1,065,219	1,065,219
Florida	Kissimmee, FL	45451		314,071	314,071
Florida	Lady Lake--The Villages, FL	45937		112,991	112,991
Florida	Lakeland, FL	46828		262,596	262,596
Florida	Leesburg--Eustis--Tavares, FL	48799		131,337	131,337
Florida	Miami, FL	56602		5,502,379	5,502,379
Florida	North Port--Port Charlotte, FL	63838		169,541	169,541
Florida	Ocala, FL	64567		156,909	156,909
Florida	Orlando, FL	65863		1,510,516	1,510,516
Florida	Palm Bay--Melbourne, FL	67105		452,791	452,791
Florida	Palm Coast--Daytona Beach--Port Orange, FL	67134		349,064	349,064
Florida	Panama City, FL	67294		143,280	143,280
Florida	Pensacola, FL--AL	68482	P	333,801	340,067
Florida	Port St. Lucie, FL	71479		376,047	376,047
Florida	Sarasota--Bradenton, FL	79606		643,260	643,260
Florida	Sebastian--Vero Beach South--Florida Ridge, FL	80400		149,422	149,422
Florida	Sebring--Avon Park, FL	80416		61,625	61,625
Florida	Spring Hill, FL	84024		148,220	148,220
Florida	St. Augustine, FL	77230		69,173	69,173
Florida	Tallahassee, FL	86464		240,223	240,223
Florida	Tampa--St. Petersburg, FL	86599		2,441,770	2,441,770
Florida	Titusville, FL	87787		54,386	54,386
Florida	Winter Haven, FL	96697		201,289	201,289
Florida	Zephyrhills, FL	98182		66,609	66,609
Georgia	Albany, GA	00901		95,779	95,779
Georgia	Athens-Clarke County, GA	03763		128,754	128,754
Georgia	Atlanta, GA	03817		4,515,419	4,515,419
Georgia	Augusta-Richmond County, GA--SC	04222	P	283,283	386,787
Georgia	Brunswick, GA	11026		51,024	51,024
Georgia	Cartersville, GA	14185		52,477	52,477
Georgia	Chattanooga, TN--GA	15832	P	78,364	381,112
Georgia	Columbus, GA--AL	19099	P	192,338	253,602
Georgia	Dalton, GA	22069		85,239	85,239
Georgia	Gainesville, GA	32194		130,846	130,846
Georgia	Hinesville, GA	39133		51,456	51,456
Georgia	Macon, GA	52822		137,570	137,570
Georgia	Rome, GA	76204		60,851	60,851
Georgia	Savannah, GA	79768		260,677	260,677
Georgia	Valdosta, GA	89974		77,085	77,085

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Georgia	Warner Robins, GA	91783		133,109	133,109
Hawaii	Kahului, HI	43615		55,934	55,934
Hawaii	Kailua (Honolulu County)--Kaneohe, HI	43669		113,682	113,682
Hawaii	Urban Honolulu, HI	89770		802,459	802,459
Idaho	Boise City, ID	08785		349,684	349,684
Idaho	Coeur d'Alene, ID	18451		98,378	98,378
Idaho	Idaho Falls, ID	40996		90,733	90,733
Idaho	Lewiston, ID--WA	49312	P	31,740	51,924
Idaho	Nampa, ID	60976		151,499	151,499
Idaho	Pocatello, ID	70426		69,809	69,809
Illinois	Alton, IL--MO	01765	P	83,811	83,890
Illinois	Beloit, WI--IL	06760	P	18,712	63,835
Illinois	Bloomington--Normal, IL	08407		132,600	132,600
Illinois	Cape Girardeau, MO--IL	13537	P	309	52,900
Illinois	Carbondale, IL	13591		67,821	67,821
Illinois	Champaign, IL	15211		145,361	145,361
Illinois	Chicago, IL--IN	16264	P	8,018,716	8,608,208
Illinois	Danville, IL	22204		50,996	50,996
Illinois	Davenport, IA--IL	22366	P	137,150	280,051
Illinois	Decatur, IL	22717		93,863	93,863
Illinois	DeKalb, IL	22960		68,545	68,545
Illinois	Dubuque, IA--IL	24823	P	3,051	67,818
Illinois	Kankakee, IL	43885		81,926	81,926
Illinois	Kenosha, WI--IL	44506	P	4	124,064
Illinois	Peoria, IL	68509		266,921	266,921
Illinois	Rockford, IL	75718		296,863	296,863
Illinois	Round Lake Beach--McHenry--Grayslake, IL--WI	76474	P	259,811	290,373
Illinois	Springfield, IL	83899		161,316	161,316
Illinois	St. Louis, MO--IL	77770	P	372,895	2,150,706
Indiana	Anderson, IN	02386		88,133	88,133
Indiana	Bloomington, IN	08380		108,657	108,657
Indiana	Chicago, IL--IN	16264	P	589,492	8,608,208
Indiana	Cincinnati, OH--KY--IN	16885	P	10,225	1,624,827
Indiana	Columbus, IN	19126		54,933	54,933
Indiana	Elkhart, IN--MI	26794	P	142,692	143,592
Indiana	Evansville, IN--KY	28333	P	200,768	229,351
Indiana	Fort Wayne, IN	31087		313,492	313,492
Indiana	Indianapolis, IN	41212		1,487,483	1,487,483
Indiana	Kokomo, IN	45694		62,182	62,182
Indiana	Lafayette, IN	46018		147,725	147,725
Indiana	Louisville/Jefferson County, KY--IN	51755	P	140,180	972,546

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Indiana	Michigan City--La Porte, IN--MI	56656	P	65,430	66,025
Indiana	Muncie, IN	60625		90,580	90,580
Indiana	South Bend, IN--MI	83116	P	241,870	278,165
Indiana	Terre Haute, IN	87139		92,742	92,742
Iowa	Ames, IA	02062		60,438	60,438
Iowa	Cedar Rapids, IA	14752		177,844	177,844
Iowa	Davenport, IA--IL	22366	P	142,901	280,051
Iowa	Des Moines, IA	23743		450,070	450,070
Iowa	Dubuque, IA--IL	24823	P	64,767	67,818
Iowa	Iowa City, IA	41590		106,621	106,621
Iowa	Omaha, NE--IA	65269	P	68,546	725,008
Iowa	Sioux City, IA--NE--SD	82225	P	84,359	106,494
Iowa	Waterloo, IA	92593		113,418	113,418
Kansas	Kansas City, MO--KS	43912	P	663,508	1,519,417
Kansas	Lawrence, KS	48232		88,053	88,053
Kansas	Manhattan, KS	53848		54,622	54,622
Kansas	St. Joseph, MO--KS	77743	P	2,368	81,176
Kansas	Topeka, KS	88084		150,003	150,003
Kansas	Wichita, KS	95077		472,870	472,870
Kentucky	Bowling Green, KY	09379		78,306	78,306
Kentucky	Cincinnati, OH--KY--IN	16885	P	328,060	1,624,827
Kentucky	Clarksville, TN--KY	17317	P	20,346	158,655
Kentucky	Elizabethtown--Radcliff, KY	26750		73,467	73,467
Kentucky	Evansville, IN--KY	28333	P	28,583	229,351
Kentucky	Huntington, WV--KY--OH	40753	P	56,594	202,637
Kentucky	Lexington-Fayette, KY	49582		290,263	290,263
Kentucky	Louisville/Jefferson County, KY--IN	51755	P	832,366	972,546
Kentucky	Owensboro, KY	66484		70,543	70,543
Louisiana	Alexandria, LA	01279		82,804	82,804
Louisiana	Baton Rouge, LA	05680		594,309	594,309
Louisiana	Hammond, LA	36514		67,629	67,629
Louisiana	Houma, LA	40375		144,875	144,875
Louisiana	Lafayette, LA	46045		252,720	252,720
Louisiana	Lake Charles, LA	46531		143,440	143,440
Louisiana	Mandeville--Covington, LA	53794		88,925	88,925
Louisiana	Monroe, LA	58330		116,533	116,533
Louisiana	New Orleans, LA	62677		899,703	899,703
Louisiana	Shreveport, LA	81739		298,317	298,317
Louisiana	Slidell, LA	82468		91,151	91,151
Maine	Bangor, ME	04951		61,210	61,210
Maine	Dover--Rochester, NH--ME	24607	P	7,825	88,087

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Maine	Lewiston, ME	49339		59,397	59,397
Maine	Portland, ME	71263		203,914	203,914
Maine	Portsmouth, NH--ME	71506	P	15,791	88,200
Maryland	Aberdeen--Bel Air South--Bel Air North, MD	00199		213,751	213,751
Maryland	Baltimore, MD	04843		2,203,663	2,203,663
Maryland	Cumberland, MD--WV--PA	21745	P	49,619	51,899
Maryland	Frederick, MD	31519		141,576	141,576
Maryland	Hagerstown, MD--WV--PA	36190	P	101,406	182,696
Maryland	Lexington Park--California--Chesapeake Ranch Estates, MD	49594		58,875	58,875
Maryland	Philadelphia, PA--NJ--DE--MD	69076	P	48,690	5,441,567
Maryland	Salisbury, MD--DE	78364	P	73,493	98,081
Maryland	Waldorf, MD	91261		109,919	109,919
Maryland	Washington, DC--VA--MD	92242	P	1,749,163	4,586,770
Maryland	Westminster--Eldersburg, MD	94294		72,714	72,714
Massachusetts	Barnstable Town, MA	05167		246,695	246,695
Massachusetts	Boston, MA--NH--RI	09271	P	4,087,709	4,181,019
Massachusetts	Leominster--Fitchburg, MA	49096		116,960	116,960
Massachusetts	Nashua, NH--MA	61165	P	7,318	226,400
Massachusetts	New Bedford, MA	61786		149,443	149,443
Massachusetts	Pittsfield, MA	69778		59,124	59,124
Massachusetts	Providence, RI--MA	72505	P	260,276	1,190,956
Massachusetts	Springfield, MA--CT	83926	P	531,589	621,300
Massachusetts	Worcester, MA--CT	97291	P	453,586	486,514
Michigan	Ann Arbor, MI	02602		306,022	306,022
Michigan	Battle Creek, MI	05707		78,393	78,393
Michigan	Bay City, MI	05869		70,585	70,585
Michigan	Benton Harbor--St. Joseph--Fair Plain, MI	07138		61,022	61,022
Michigan	Detroit, MI	23824		3,734,090	3,734,090
Michigan	Elkhart, IN--MI	26794	P	900	143,592
Michigan	Flint, MI	29872		356,218	356,218
Michigan	Grand Rapids, MI	34300		569,935	569,935
Michigan	Holland, MI	39430		99,941	99,941
Michigan	Jackson, MI	42157		90,057	90,057
Michigan	Kalamazoo, MI	43723		209,703	209,703
Michigan	Lansing, MI	47719		313,532	313,532
Michigan	Michigan City--La Porte, IN--MI	56656	P	595	66,025
Michigan	Midland, MI	56980		59,014	59,014
Michigan	Monroe, MI	58357		51,240	51,240
Michigan	Muskegon, MI	60841		161,280	161,280
Michigan	Port Huron, MI	71155		87,106	87,106
Michigan	Saginaw, MI	77149		126,265	126,265

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Michigan	South Bend, IN--MI	83116	P	36,295	278,165
Michigan	South Lyon--Howell, MI	83332		119,509	119,509
Michigan	Toledo, OH--MI	87868	P	28,461	507,643
Minnesota	Duluth, MN--WI	24850	P	93,333	120,378
Minnesota	Fargo, ND--MN	29089	P	42,527	176,676
Minnesota	Grand Forks, ND--MN	34219	P	8,318	61,270
Minnesota	La Crosse, WI--MN	45910	P	5,358	100,868
Minnesota	Mankato, MN	53983		57,584	57,584
Minnesota	Minneapolis--St. Paul, MN--WI	57628	P	2,650,614	2,650,890
Minnesota	Rochester, MN	75637		107,677	107,677
Minnesota	St. Cloud, MN	77338		110,621	110,621
Mississippi	Gulfport, MS	35920		208,948	208,948
Mississippi	Hattiesburg, MS	37594		80,358	80,358
Mississippi	Jackson, MS	42211		351,478	351,478
Mississippi	Memphis, TN--MS--AR	56116	P	128,310	1,060,061
Mississippi	Pascagoula, MS	67807		50,428	50,428
Missouri	Alton, IL--MO	01765	P	79	83,890
Missouri	Cape Girardeau, MO--IL	13537	P	52,591	52,900
Missouri	Columbia, MO	18937		124,748	124,748
Missouri	Fayetteville--Springdale--Rogers, AR--MO	29494	P	2	295,083
Missouri	Jefferson City, MO	42967		58,533	58,533
Missouri	Joplin, MO	43399		82,775	82,775
Missouri	Kansas City, MO--KS	43912	P	855,909	1,519,417
Missouri	Lee's Summit, MO	48826		85,081	85,081
Missouri	Springfield, MO	83953		273,724	273,724
Missouri	St. Joseph, MO--KS	77743	P	78,808	81,176
Missouri	St. Louis, MO--IL	77770	P	1,777,811	2,150,706
Montana	Billings, MT	07705		114,773	114,773
Montana	Great Falls, MT	34759		65,207	65,207
Montana	Missoula, MT	57736		82,157	82,157
Nebraska	Grand Island, NE	34246		50,440	50,440
Nebraska	Lincoln, NE	49933		258,719	258,719
Nebraska	Omaha, NE--IA	65269	P	656,462	725,008
Nebraska	Sioux City, IA--NE--SD	82225	P	16,576	106,494
Nevada	Carson City, NV	14158		58,079	58,079
Nevada	Las Vegas--Henderson, NV	47995		1,886,011	1,886,011
Nevada	Reno, NV--CA	74179	P	392,132	392,141
New Hampshire	Boston, MA--NH--RI	09271	P	93,038	4,181,019
New Hampshire	Dover--Rochester, NH--ME	24607	P	80,262	88,087
New Hampshire	Manchester, NH	53740		158,377	158,377

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
New Hampshire	Nashua, NH--MA	61165	P	219,082	226,400
New Hampshire	Portsmouth, NH--ME	71506	P	72,409	88,200
New Jersey	Allentown, PA--NJ	01495	P	32,443	664,651
New Jersey	Atlantic City, NJ	03898		248,402	248,402
New Jersey	East Stroudsburg, PA--NJ	25849	P	249	54,316
New Jersey	New York--Newark, NY--NJ--CT	63217	P	6,159,466	18,351,295
New Jersey	Philadelphia, PA--NJ--DE--MD	69076	P	1,150,865	5,441,567
New Jersey	Poughkeepsie--Newburgh, NY--NJ	71803	P	11,228	423,566
New Jersey	Trenton, NJ	88462		296,668	296,668
New Jersey	Twin Rivers--Hightstown, NJ	89263		64,037	64,037
New Jersey	Villas, NJ	90658		51,291	51,291
New Jersey	Vineland, NJ	90730		95,259	95,259
New Mexico	Albuquerque, NM	01171		741,318	741,318
New Mexico	El Paso, TX--NM	27253	P	30,712	803,086
New Mexico	Farmington, NM	29278		53,049	53,049
New Mexico	Las Cruces, NM	47935		128,600	128,600
New Mexico	Los Lunas, NM	51499		63,758	63,758
New Mexico	Santa Fe, NM	79363		89,284	89,284
New York	Albany--Schenectady, NY	00970		594,962	594,962
New York	Binghamton, NY--PA	07732	P	155,662	158,084
New York	Bridgeport--Stamford, CT--NY	10162	P	45,681	923,311
New York	Buffalo, NY	11350		935,906	935,906
New York	Danbury, CT--NY	22096	P	6,813	168,136
New York	Elmira, NY	27118		67,983	67,983
New York	Glens Falls, NY	33598		65,443	65,443
New York	Ithaca, NY	41914		53,661	53,661
New York	Kingston, NY	45262		57,442	57,442
New York	Middletown, NY	56899		58,381	58,381
New York	New York--Newark, NY--NJ--CT	63217	P	12,191,715	18,351,295
New York	Poughkeepsie--Newburgh, NY--NJ	71803	P	412,338	423,566
New York	Rochester, NY	75664		720,572	720,572
New York	Saratoga Springs, NY	79633		64,100	64,100
New York	Syracuse, NY	86302		412,317	412,317
New York	Utica, NY	89785		117,328	117,328
New York	Watertown, NY	92674		57,840	57,840
North Carolina	Asheville, NC	03358		280,648	280,648
North Carolina	Burlington, NC	11728		119,911	119,911
North Carolina	Charlotte, NC--SC	15670	P	1,180,484	1,249,442
North Carolina	Concord, NC	19558		214,881	214,881
North Carolina	Durham, NC	25228		347,602	347,602

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
North Carolina	Fayetteville, NC	29440		310,282	310,282
North Carolina	Gastonia, NC--SC	32653	P	169,333	169,495
North Carolina	Goldsboro, NC	33814		61,054	61,054
North Carolina	Greensboro, NC	35164		311,810	311,810
North Carolina	Greenville, NC	35380		117,798	117,798
North Carolina	Hickory, NC	38647		212,195	212,195
North Carolina	High Point, NC	38809		166,485	166,485
North Carolina	Jacksonville, NC	42400		105,419	105,419
North Carolina	Myrtle Beach--Socastee, SC--NC	60895	P	20,279	215,304
North Carolina	New Bern, NC	61840		50,503	50,503
North Carolina	Raleigh, NC	73261		884,891	884,891
North Carolina	Rocky Mount, NC	75988		68,243	68,243
North Carolina	Wilmington, NC	95833		219,957	219,957
North Carolina	Winston-Salem, NC	96670		391,024	391,024
North Dakota	Bismarck, ND	07921		81,955	81,955
North Dakota	Fargo, ND--MN	29089	P	134,149	176,676
North Dakota	Grand Forks, ND--MN	34219	P	52,952	61,270
Ohio	Akron, OH	00766		569,499	569,499
Ohio	Canton, OH	13375		279,245	279,245
Ohio	Cincinnati, OH--KY--IN	16885	P	1,286,542	1,624,827
Ohio	Cleveland, OH	17668		1,780,673	1,780,673
Ohio	Columbus, OH	19234		1,368,035	1,368,035
Ohio	Dayton, OH	22528		724,091	724,091
Ohio	Huntington, WV--KY--OH	40753	P	33,775	202,637
Ohio	Lima, OH	49852		72,852	72,852
Ohio	Lorain--Elyria, OH	51364		180,956	180,956
Ohio	Mansfield, OH	54091		75,250	75,250
Ohio	Middletown, OH	56926		97,503	97,503
Ohio	Newark, OH	61705		76,068	76,068
Ohio	Parkersburg, WV--OH	67672	P	7,586	67,229
Ohio	Springfield, OH	83980		85,256	85,256
Ohio	Toledo, OH--MI	87868	P	479,182	507,643
Ohio	Weirton--Steubenville, WV--OH--PA	93592	P	39,918	70,889
Ohio	Wheeling, WV--OH	94726	P	30,182	81,249
Ohio	Youngstown, OH--PA	97831	P	348,073	387,550
Oklahoma	Fort Smith, AR--OK	30925	P	2,233	122,947
Oklahoma	Lawton, OK	48394		94,457	94,457
Oklahoma	Norman, OK	63433		103,898	103,898
Oklahoma	Oklahoma City, OK	65080		861,505	861,505
Oklahoma	Tulsa, OK	88948		655,479	655,479
Oregon	Albany, OR	00955		56,997	56,997

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Oregon	Bend, OR	06868		83,794	83,794
Oregon	Corvallis, OR	20422		62,433	62,433
Oregon	Eugene, OR	28117		247,421	247,421
Oregon	Grants Pass, OR	34516		50,520	50,520
Oregon	Longview, WA--OR	51283	P	2,354	63,952
Oregon	Medford, OR	55981		154,081	154,081
Oregon	Portland, OR--WA	71317	P	1,490,336	1,849,898
Oregon	Salem, OR	78229		236,632	236,632
Oregon	Walla Walla, WA--OR	91405	P	8,825	55,805
Pennsylvania	Allentown, PA--NJ	01495	P	632,208	664,651
Pennsylvania	Altoona, PA	01792		79,930	79,930
Pennsylvania	Binghamton, NY--PA	07732	P	2,422	158,084
Pennsylvania	Bloomsburg--Berwick, PA	08434		53,618	53,618
Pennsylvania	Chambersburg, PA	15184		50,887	50,887
Pennsylvania	Cumberland, MD--WV--PA	21745	P	31	51,899
Pennsylvania	East Stroudsburg, PA--NJ	25849	P	54,067	54,316
Pennsylvania	Erie, PA	27766		196,611	196,611
Pennsylvania	Hagerstown, MD--WV--PA	36190	P	9,503	182,696
Pennsylvania	Hanover, PA	36784		66,301	66,301
Pennsylvania	Harrisburg, PA	37081		444,474	444,474
Pennsylvania	Hazleton, PA	37945		56,827	56,827
Pennsylvania	Johnstown, PA	43291		69,014	69,014
Pennsylvania	Lancaster, PA	47530		402,004	402,004
Pennsylvania	Lebanon, PA	48664		77,086	77,086
Pennsylvania	Monessen--California, PA	58168		66,086	66,086
Pennsylvania	Philadelphia, PA--NJ--DE--MD	69076	P	3,760,387	5,441,567
Pennsylvania	Pittsburgh, PA	69697		1,733,853	1,733,853
Pennsylvania	Pottstown, PA	71749		107,682	107,682
Pennsylvania	Reading, PA	73693		266,254	266,254
Pennsylvania	Scranton, PA	80227		381,502	381,502
Pennsylvania	State College, PA	84493		87,454	87,454
Pennsylvania	Uniontown--Connellsville, PA	89650		51,370	51,370
Pennsylvania	Weirton--Steubenville, WV--OH--PA	93592	P	302	70,889
Pennsylvania	Williamsport, PA	95455		56,142	56,142
Pennsylvania	York, PA	97750		232,045	232,045
Pennsylvania	Youngstown, OH--PA	97831	P	39,477	387,550
Rhode Island	Boston, MA--NH--RI	09271	P	272	4,181,019
Rhode Island	Norwich--New London, CT--RI	64135	P	21,149	209,190
Rhode Island	Providence, RI--MA	72505	P	930,680	1,190,956
South Carolina	Anderson, SC	02413		75,702	75,702
South Carolina	Augusta-Richmond County, GA--SC	04222	P	103,504	386,787

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
South Carolina	Charleston--North Charleston, SC	15508		548,404	548,404
South Carolina	Charlotte, NC--SC	15670	P	68,958	1,249,442
South Carolina	Columbia, SC	18964		549,777	549,777
South Carolina	Florence, SC	30061		89,557	89,557
South Carolina	Gastonia, NC--SC	32653	P	162	169,495
South Carolina	Greenville, SC	35461		400,492	400,492
South Carolina	Hilton Head Island, SC	39079		68,998	68,998
South Carolina	Mauldin--Simpsonville, SC	55603		120,577	120,577
South Carolina	Myrtle Beach--Socastee, SC--NC	60895	P	195,025	215,304
South Carolina	Rock Hill, SC	75745		104,996	104,996
South Carolina	Spartanburg, SC	83548		180,786	180,786
South Carolina	Sumter, SC	85708		73,107	73,107
South Dakota	Rapid City, SD	73396		81,251	81,251
South Dakota	Sioux City, IA--NE--SD	82225	P	5,559	106,494
South Dakota	Sioux Falls, SD	82252		156,777	156,777
Tennessee	Bristol--Bristol, TN--VA	10351	P	36,130	69,501
Tennessee	Chattanooga, TN--GA	15832	P	302,748	381,112
Tennessee	Clarksville, TN--KY	17317	P	138,309	158,655
Tennessee	Cleveland, TN	17722		66,777	66,777
Tennessee	Jackson, TN	42265		71,880	71,880
Tennessee	Johnson City, TN	43210		120,415	120,415
Tennessee	Kingsport, TN--VA	45235	P	102,428	106,571
Tennessee	Knoxville, TN	45640		558,696	558,696
Tennessee	Memphis, TN--MS--AR	56116	P	891,481	1,060,061
Tennessee	Morristown, TN	59410		59,036	59,036
Tennessee	Murfreesboro, TN	60733		133,228	133,228
Tennessee	Nashville-Davidson, TN	61273		969,587	969,587
Texas	Abilene, TX	00280		110,421	110,421
Texas	Amarillo, TX	01927		196,651	196,651
Texas	Austin, TX	04384		1,362,416	1,362,416
Texas	Beaumont, TX	06058		147,922	147,922
Texas	Brownsville, TX	10972		217,585	217,585
Texas	College Station--Bryan, TX	18748		171,345	171,345
Texas	Conroe--The Woodlands, TX	19755		239,938	239,938
Texas	Corpus Christi, TX	20287		320,069	320,069
Texas	Dallas--Fort Worth--Arlington, TX	22042		5,121,892	5,121,892
Texas	Denton--Lewisville, TX	23500		366,174	366,174
Texas	El Paso, TX--NM	27253	P	772,374	803,086
Texas	Harlingen, TX	36892		135,663	135,663
Texas	Houston, TX	40429		4,944,332	4,944,332
Texas	Killeen, TX	44992		217,630	217,630

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Texas	Lake Jackson--Angleton, TX	46801		74,830	74,830
Texas	Laredo, TX	47854		235,730	235,730
Texas	Longview, TX	51256		98,884	98,884
Texas	Lubbock, TX	51877		237,356	237,356
Texas	McAllen, TX	52390		728,825	728,825
Texas	McKinney, TX	52687		170,030	170,030
Texas	Midland, TX	57007		117,807	117,807
Texas	Odessa, TX	64864		126,405	126,405
Texas	Port Arthur, TX	70993		153,150	153,150
Texas	San Angelo, TX	78553		92,984	92,984
Texas	San Antonio, TX	78580		1,758,210	1,758,210
Texas	San Marcos, TX	79201		52,826	52,826
Texas	Sherman, TX	81631		61,900	61,900
Texas	Temple, TX	87058		90,390	90,390
Texas	Texarkana--Texarkana, TX--AR	87193	P	52,090	78,162
Texas	Texas City, TX	87220		106,383	106,383
Texas	Tyler, TX	89326		130,247	130,247
Texas	Victoria, TX	90514		63,683	63,683
Texas	Waco, TX	91027		172,378	172,378
Texas	Wichita Falls, TX	95104		99,437	99,437
Utah	Logan, UT	50959		94,983	94,983
Utah	Ogden--Layton, UT	64945		546,026	546,026
Utah	Provo--Orem, UT	72559		482,819	482,819
Utah	Salt Lake City--West Valley City, UT	78499		1,021,243	1,021,243
Utah	St. George, UT	77446		98,370	98,370
Vermont	Burlington, VT	11755		108,740	108,740
Virginia	Blacksburg, VA	08002		88,542	88,542
Virginia	Bristol--Bristol, TN--VA	10351	P	33,371	69,501
Virginia	Charlottesville, VA	15724		92,359	92,359
Virginia	Fredericksburg, VA	31600		141,238	141,238
Virginia	Harrisonburg, VA	37162		66,784	66,784
Virginia	Kingsport, TN--VA	45235	P	4,143	106,571
Virginia	Lynchburg, VA	52201		116,636	116,636
Virginia	Richmond, VA	74746		953,556	953,556
Virginia	Roanoke, VA	75421		210,111	210,111
Virginia	Staunton--Waynesboro, VA	84630		56,611	56,611
Virginia	Virginia Beach, VA	90892		1,439,666	1,439,666
Virginia	Washington, DC--VA--MD	92242	P	2,235,884	4,586,770
Virginia	Williamsburg, VA	95411		75,689	75,689
Virginia	Winchester, VA	96103		69,449	69,449
Washington	Bellingham, WA	06652		114,473	114,473

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Washington	Bremerton, WA	09946		198,979	198,979
Washington	Kennewick--Pasco, WA	44479		210,975	210,975
Washington	Lewiston, ID--WA	49312	P	20,184	51,924
Washington	Longview, WA--OR	51283	P	61,598	63,952
Washington	Marysville, WA	55333		145,140	145,140
Washington	Mount Vernon, WA	60490		62,966	62,966
Washington	Olympia--Lacey, WA	65242		176,617	176,617
Washington	Portland, OR--WA	71317	P	359,562	1,849,898
Washington	Seattle, WA	80389		3,059,393	3,059,393
Washington	Spokane, WA	83764		387,847	387,847
Washington	Walla Walla, WA--OR	91405	P	46,980	55,805
Washington	Wenatchee, WA	93862		67,227	67,227
Washington	Yakima, WA	97507		129,534	129,534
West Virginia	Beckley, WV	06139		64,022	64,022
West Virginia	Charleston, WV	15481		153,199	153,199
West Virginia	Cumberland, MD--WV--PA	21745	P	2,249	51,899
West Virginia	Hagerstown, MD--WV--PA	36190	P	71,787	182,696
West Virginia	Huntington, WV--KY--OH	40753	P	112,268	202,637
West Virginia	Morgantown, WV	59275		70,350	70,350
West Virginia	Parkersburg, WV--OH	67672	P	59,643	67,229
West Virginia	Weirton--Steubenville, WV--OH--PA	93592	P	30,669	70,889
West Virginia	Wheeling, WV--OH	94726	P	51,067	81,249
Wisconsin	Appleton, WI	02764		216,154	216,154
Wisconsin	Beloit, WI--IL	06760	P	45,123	63,835
Wisconsin	Duluth, MN--WI	24850	P	27,045	120,378
Wisconsin	Eau Claire, WI	26038		102,852	102,852
Wisconsin	Fond du Lac, WI	30223		54,901	54,901
Wisconsin	Green Bay, WI	34813		206,520	206,520
Wisconsin	Janesville, WI	42562		69,658	69,658
Wisconsin	Kenosha, WI--IL	44506	P	124,060	124,064
Wisconsin	La Crosse, WI--MN	45910	P	95,510	100,868
Wisconsin	Madison, WI	53200		401,661	401,661
Wisconsin	Milwaukee, WI	57466		1,376,476	1,376,476
Wisconsin	Minneapolis--St. Paul, MN--WI	57628	P	276	2,650,890
Wisconsin	Oshkosh, WI	66160		74,495	74,495
Wisconsin	Racine, WI	73153		133,700	133,700
Wisconsin	Round Lake Beach--McHenry--Grayslake, IL--WI	76474	P	30,562	290,373
Wisconsin	Sheboygan, WI	81118		71,313	71,313
Wisconsin	Wausau, WI	93025		74,632	74,632
Wisconsin	West Bend, WI	93916		68,444	68,444
Wyoming	Casper, WY	14482		64,548	64,548

State Name	Urban Area Name	Urban Code	PART	State Portion Population#	Total UCAE** Population#
Wyoming	Cheyenne, WY	16237		73,588	73,588
Guam	Hag††¤a, GU	36163			
Northern Mariana Islands	Saipan, MP	78040			
Puerto Rico	Aguadilla--Isabela--San Sebastián, PR	00631		306,196	306,196
Puerto Rico	Arecibo, PR	03034		139,171	139,171
Puerto Rico	Fajardo, PR	28981		85,225	85,225
Puerto Rico	Florida--Imbéry--Barceloneta, PR	30115		71,747	71,747
Puerto Rico	Guayama, PR	35866		80,155	80,155
Puerto Rico	Juana Díaz, PR	43453		80,928	80,928
Puerto Rico	Mayagüez, PR	55738		109,572	109,572
Puerto Rico	Ponce, PR	70642		149,539	149,539
Puerto Rico	San Germán--Cabo Rojo--Sabana Grande, PR	78985		118,199	118,199
Puerto Rico	San Juan, PR	79093		2,148,346	2,148,346
Puerto Rico	Yauco, PR	97561		90,899	90,899
*	Rural	99999			< 5,000
*	Small Urban	99998			5,000 - 49,000

Population is based on the 2010 Decennial Census

* These codes are to be utilized by all States wherever these area types exist

** UACE (Urban Area Census Code) – Total UACE population is listed for reference purposes.

NOTES:

1. The following 2000 Census Year Urban Areas were classified as Urban Clusters (UC's) with the 2010 Census and should be coded with Small Urban area values for applicable States:

- Danville, VA-NC: Pop. 49,344
- Sandusky, OH: Pop. 48,990
- Galveston, TX: Pop. 44,022

2. The "PART" field is used to identify urban areas that are located in multiple States. States must report data in HPMS for their "PART" of every applicable Urban Area listed in this appendix.

Appendix J. County Code Reference Tables
Chapter 1(AK, DC, and PR)

Chapter 2 Alaska

County Name	County Code
Aleutians East Borough	013
Aleutians West Census Area	016
Anchorage Municipality	020
Bethel Census Area	050
Bristol Bay Borough	060
Denali Borough	068
Dillingham Census Area	070
Fairbanks North Star Borough	090
Haines Borough	100
Hoonah-Angoon Census Area	105
Juneau City and Borough	110
Kenai Peninsula Borough	122
Ketchikan Gateway Borough	130
Kodiak Island Borough	150
Lake and Peninsula Borough	164
Matanuska-Susitna Borough	170
Nome Census Area	180
North Slope Borough	185
Northwest Arctic Borough	188
Petersburg Census Area	195
Prince of Wales-Hyder Census Area	198
Sitka City and Borough	220
Skagway Municipality	230
Southeast Fairbanks Census Area	240
Valdez-Cordova Census Area	261
Wade Hampton Census Area	270
Wrangell City and Borough	275

Yakutat City and Borough	282
Yukon-Koyukuk Census Area	290

District of Columbia

County Name	County Code
Northwest	001
Northeast	002
Southeast	003
Southwest	004
Boundary	005

-

Puerto Rico

Highway District	Municipio Name	County Code
San Juan	Bayamon	001
	Canovanas	
	Carolina	
	Catano	
	Guaynabo	
	Loiza	
	San Juan	
	Trujillo Alto	
Arecibo	Arecibo	002
	Barceloneta	
	Ciales	
	Corozal	
	Dorado	
	Florida	
	Manati	
	Morovis	
	Naranjito	
	Toa Alta	
	Toa Baja	
	Utuado	
	Vega Alta	
	Vega Baja	
Aguadilla	Aguada	003
	Aguadilla	
	Camuy	
	Hatillo	
	Isabela	
	Lares	
	Moca	
	Quebradillas	
	Rincon	
	San Sebastian	
Mayaguez	Anasco	004
	Cabo Rojo	
	Guanica	
	Hormigueros	
	Lajas	
	Las Marias	
	Maricao	
	Mayaguez	
	Sabana Grande	

Highway District	Municipio Name	County Code
	San German	
	Yauco	
Ponce	Adjuntas	005
	Coamo	
	Guayanilla	
	Jayuya	
	Juana Diaz	
	Orocovis	
	Penuelas	
	Ponce	
	Santa Isabel	
	Villalba	
Guayama	Aguas Buenas	006
	Aibonito	
	Arroyo	
	Barranquitas	
	Cayey	
	Cidra	
	Comerio	
	Guayama	
	Patillas	
	Salinas	
Humucao	Caguas	007
	Ceiba	
	Culebra	
	Fajardo	
	Gurabo	
	Humacao	
	Juncos	
	Las Piedras	
	Luquillo	
	Maunabo	
	Humacao	
	Rio Grande	
	San Lorenzo	
	Vieques	
	Yabucoa	