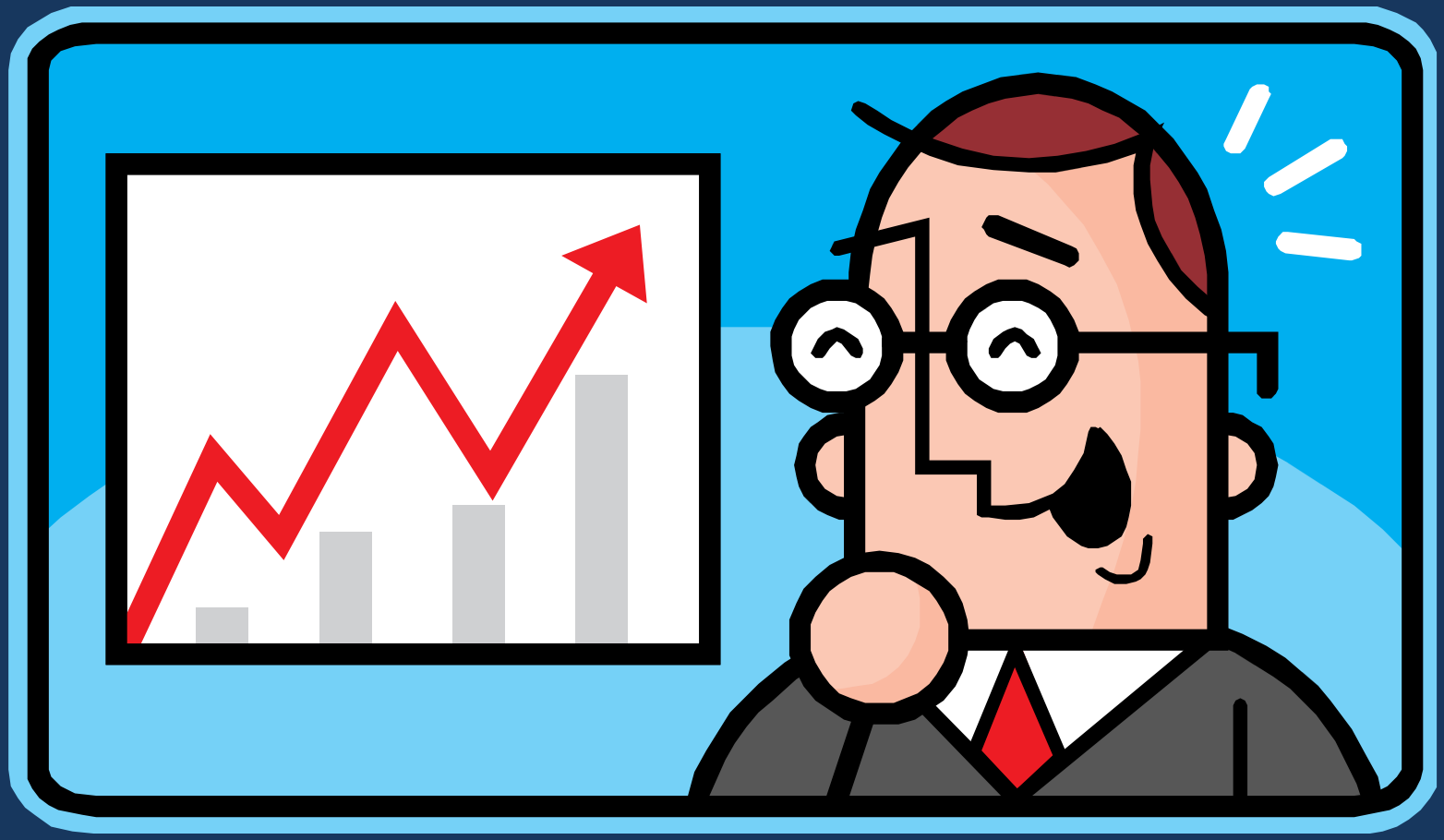
HPMS Software Updates
2012 Highway Information Seminar

Justin Clarke, FHWA
Office of Policy and Governmental Affairs

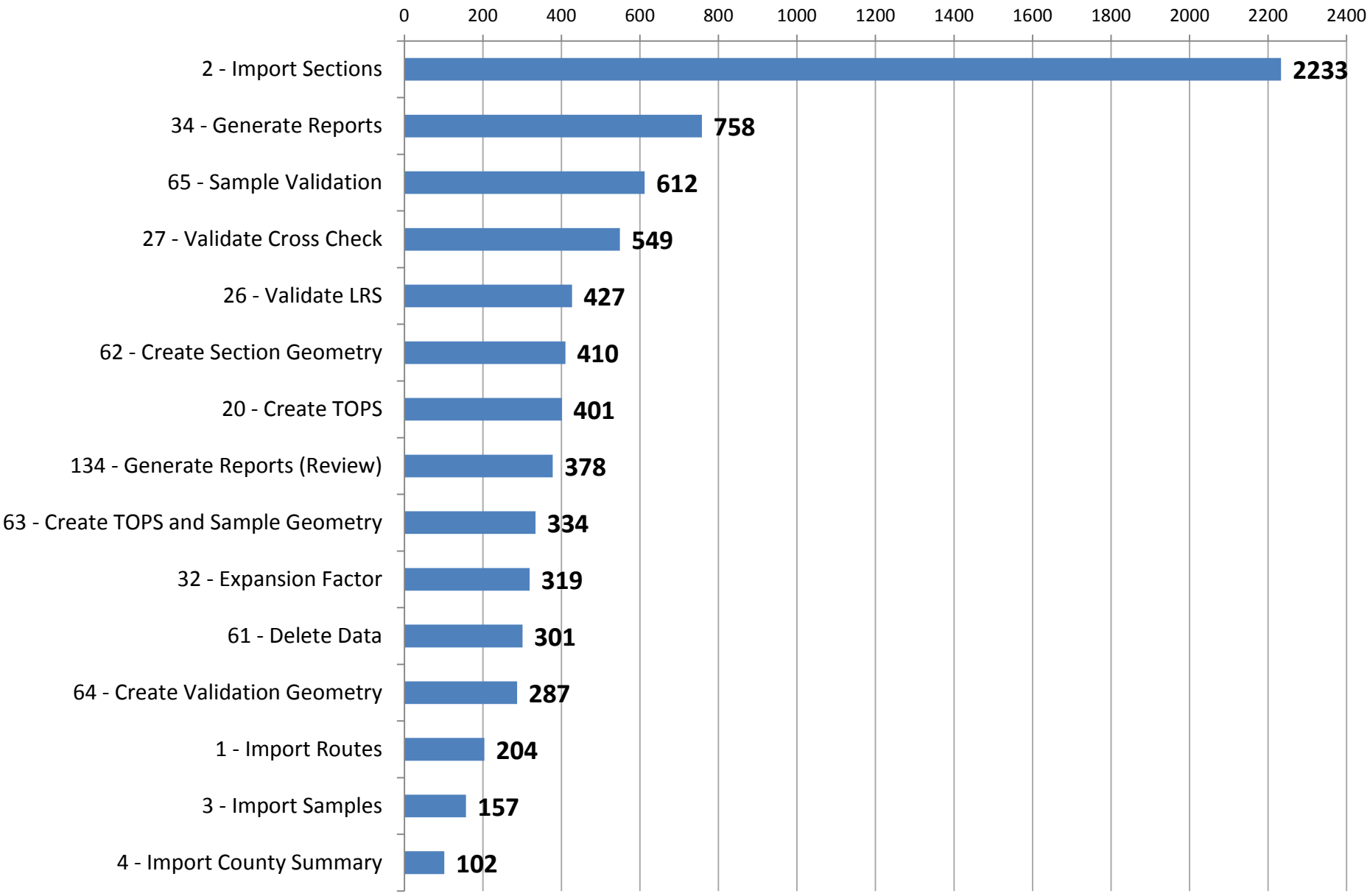
Today’s Topics

- Recent Implementation
  - Submit Process
  - Report Tool
- Other Recent Software Enhancements
- Coming Attractions

Performance

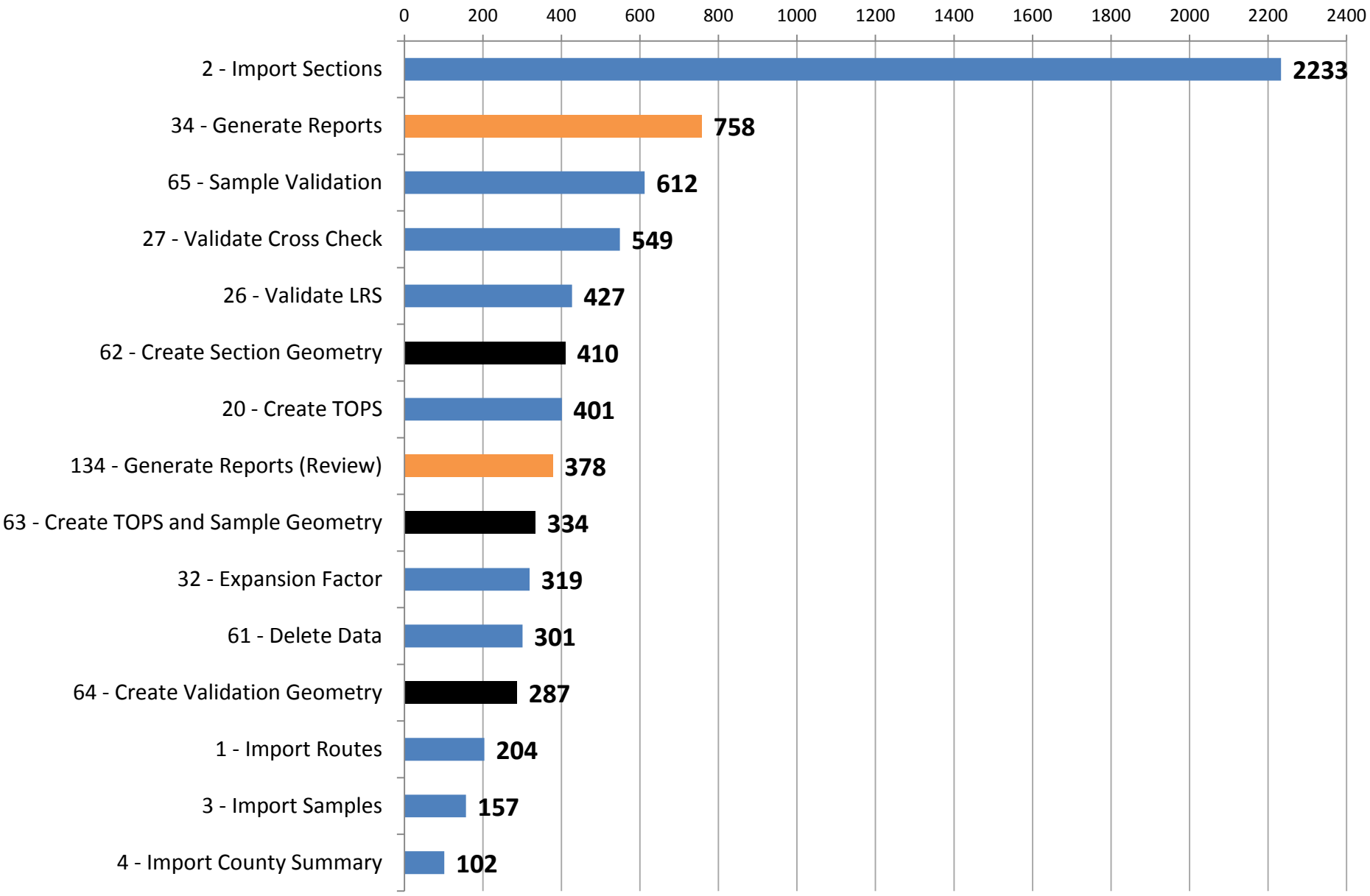


Top 15 HPMS v8 Jobs by Category May-June, 2012



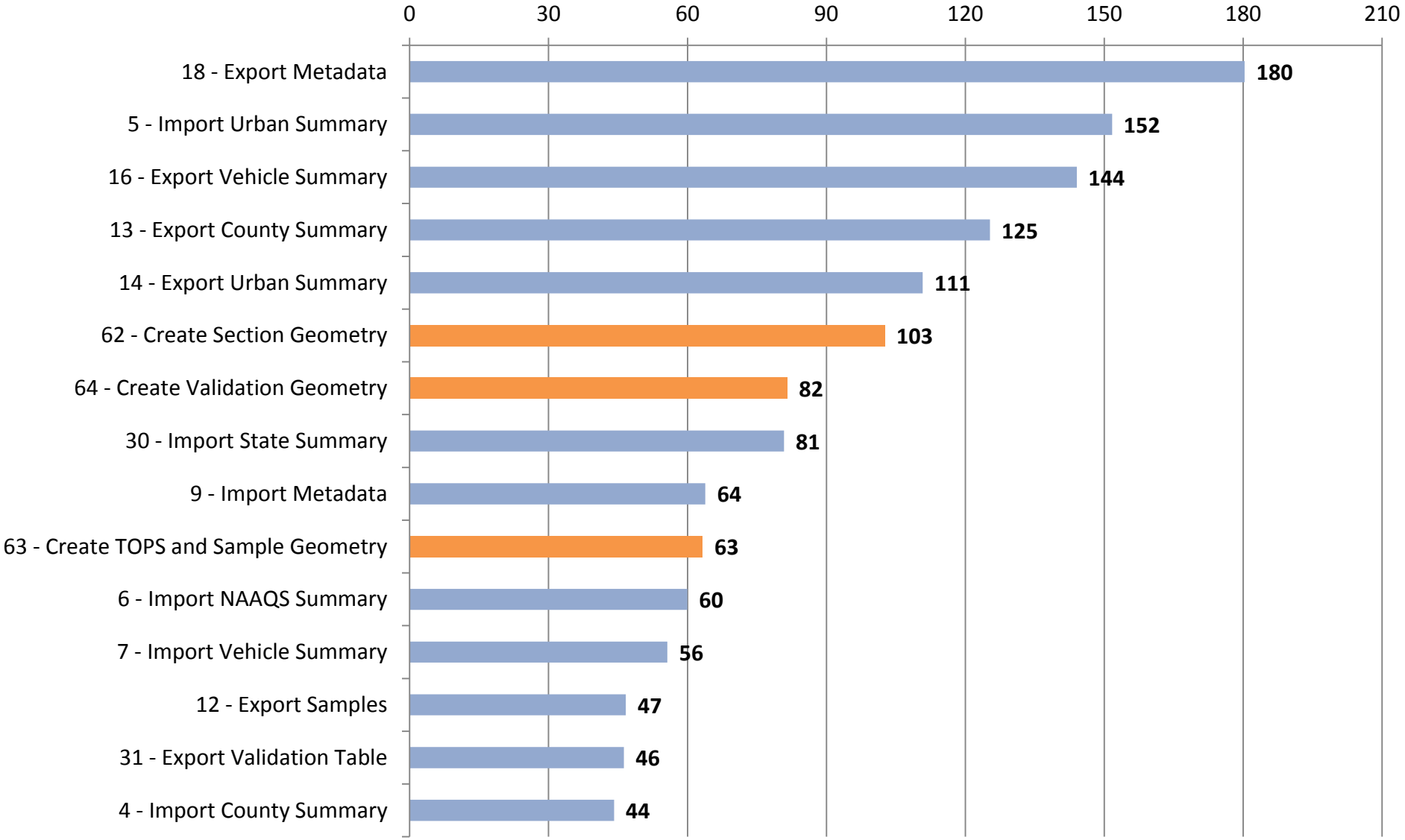
Top 15 Jobs = 7,472 - Total jobs all categories = 8,595

Top 15 HPMS v8 Jobs by Category May-June, 2012



Top 15 Jobs = 7,472 - Total jobs all categories = 8,595

Average HPMS v8 Job Run Times (Minutes) May-June, 2012



HPMS Queues

- Create Geometry (All jobs for creating geometry)
- Import Routes (All 3 formats routes imports)
- Export Geometry (All export jobs with geometry included, issued from Export Screen)
- Exports from Export Screen
- Spatial Intersection and AdHoc Query
- Other Imports (Sections, any Summary, Estimate and Metadata)
- Sample and TOPS (Import Samples, Create TOPs, Expansion Factor)
- Validations
- Copy and Delete
- Report (all reports)
- Clean (irrelevant to front end users)

New Implementation I

Revised Submission Process (Background)

Submission Screen

U.S. Department of Transportation
Federal Highway Administration

Highway Performance Monitoring System v8.0

Submittal | Review | National

DATA EDITORS | DATA VALIDATION | SAMPLE MANAGEMENT | CALCULATION | REPORTS & ANALYSIS | SUBMIT DATA | ADMIN | HELP | EXIT

Submit Data

Year: **2009** State: **8 - Colorado**

Submit Data

Last Submitted On: 10/12/2012 1:28:05 PM Last Submitted By:

Summary Validation

- County Summary
- Demography Summary
- NAAQS Summary
- Pavement Summary
- Travel Summary
- Urban Summary
- Vehicle Summary - Rural
- Vehicle Summary - Urban

Data Editor Validation

- Crosscheck Validation
- LRS Validation

Certified Miles

HPMS Calculated Miles: 88259.009

State Certified Miles: 88259.000

Submittal Comment (Required)

Comment: test

Save Comments Without Submitting

Locked Submission

U.S. Department of Transportation
Federal Highway Administration

Highway Performance Monitoring System v8.0

Submittal | Review | National

DATA EDITORS | DATA VALIDATION | SAMPLE MANAGEMENT | CALCULATION | REPORTS & ANALYSIS | SUBMIT DATA | ADMIN | HELP | EXIT

Submit Data

Year: **2009** State: **8 - Colorado**

Submit Data

Unlock

Last Submitted On: 10/12/2012 1:28:05 PM Last Submitted By: Clarke, Justin S

Summary Validation

- County Summary
- Demography Summary
- NAAQS Summary
- Pavement Summary
- Travel Summary
- Urban Summary
- Vehicle Summary - Rural
- Vehicle Summary - Urban

Data Editor Validation

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- LRS Validation

Certified Miles

HPMS Calculated Miles: 88259.009

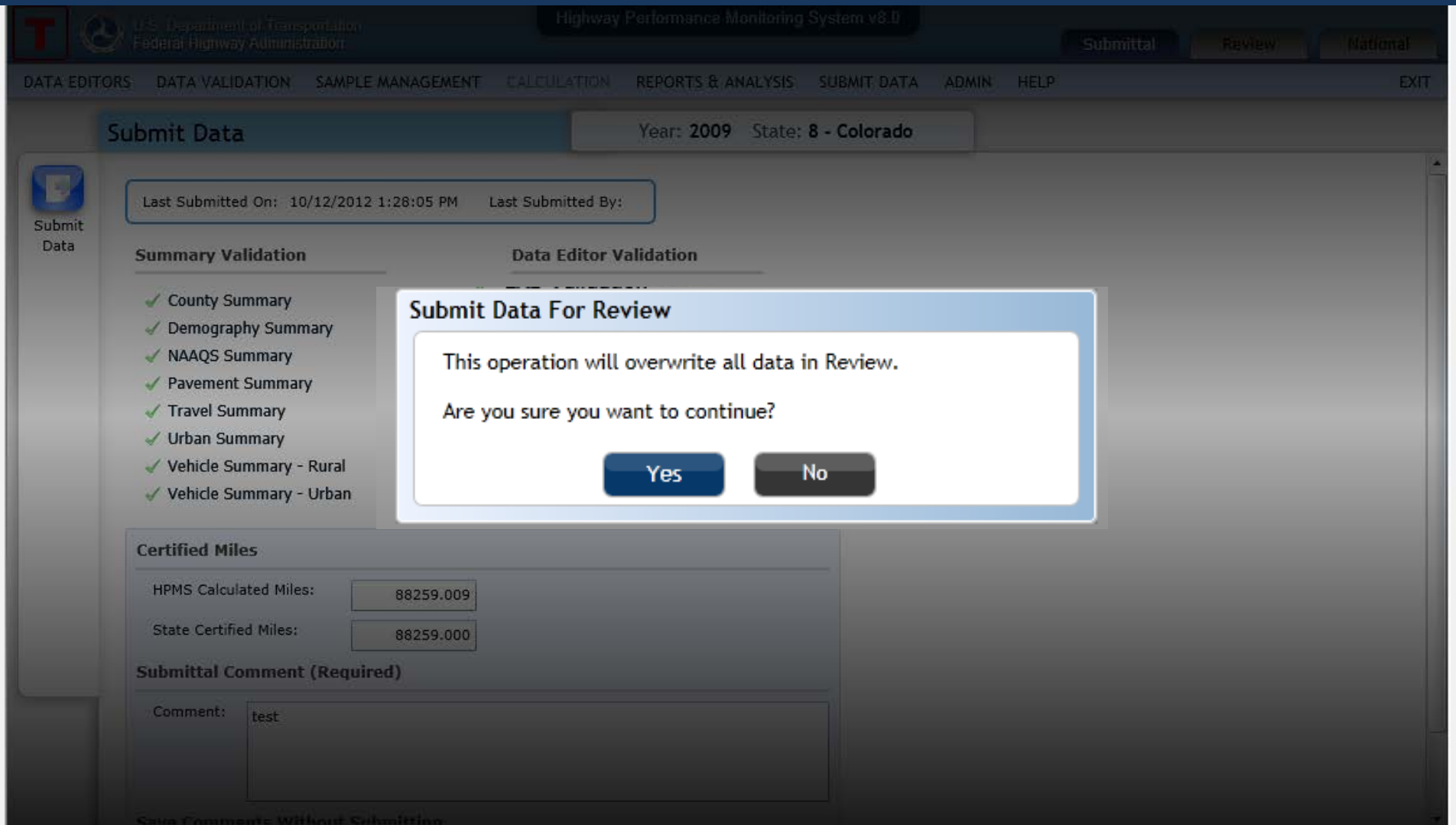
State Certified Miles: 88259.000

Submittal Comment (Required)

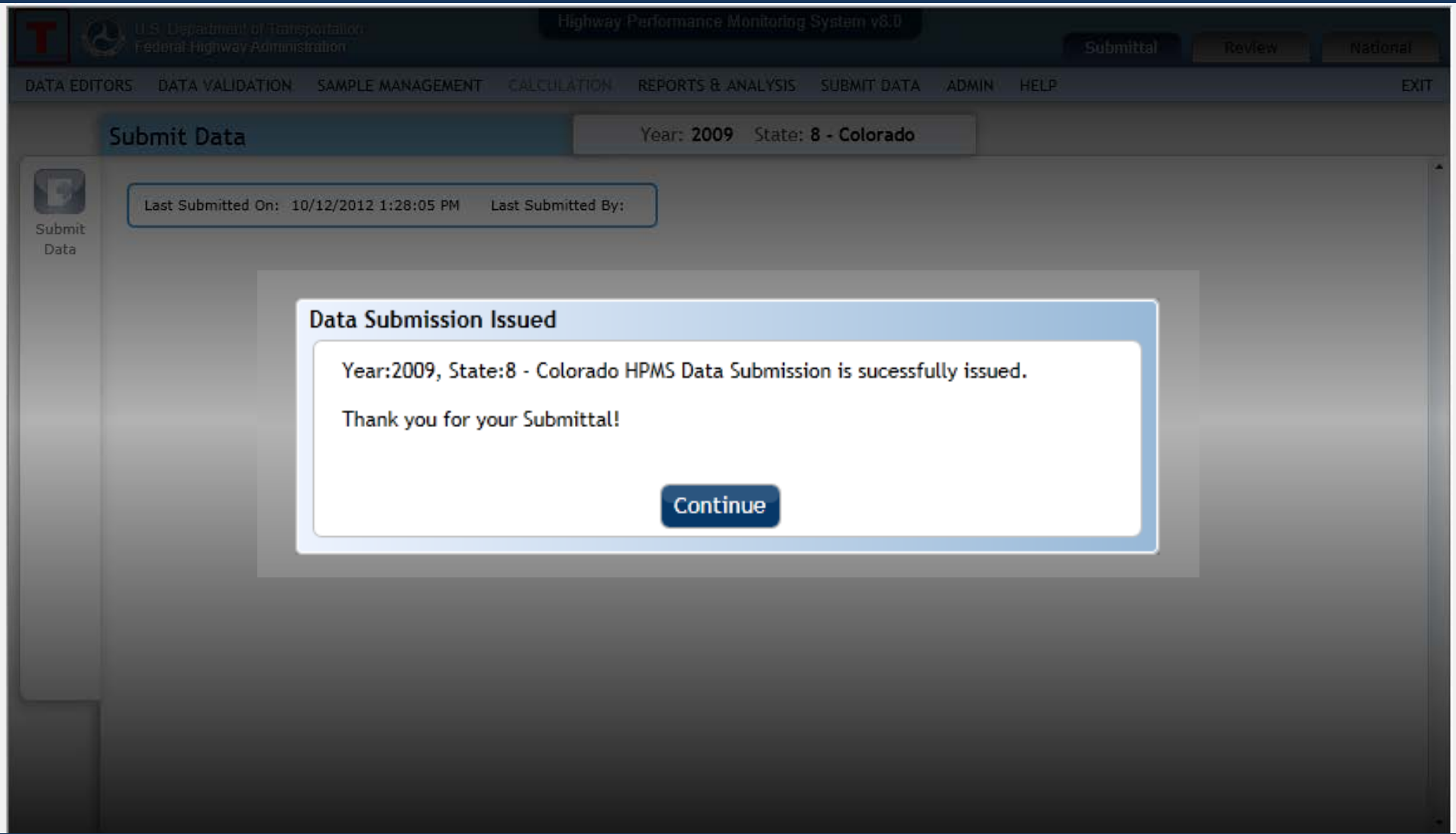
Comment: test

Save Comments Without Submitting

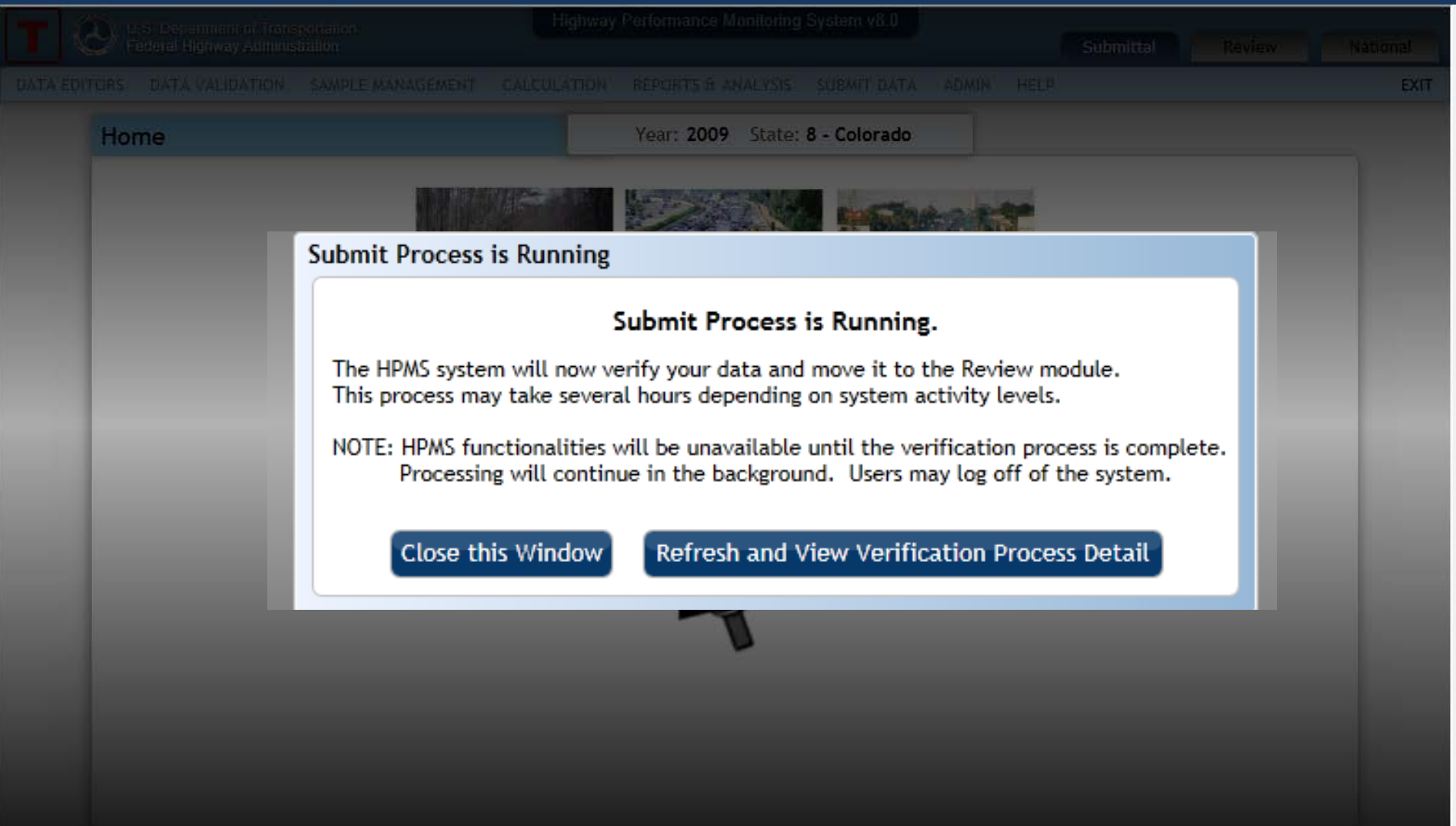
New Submission Process



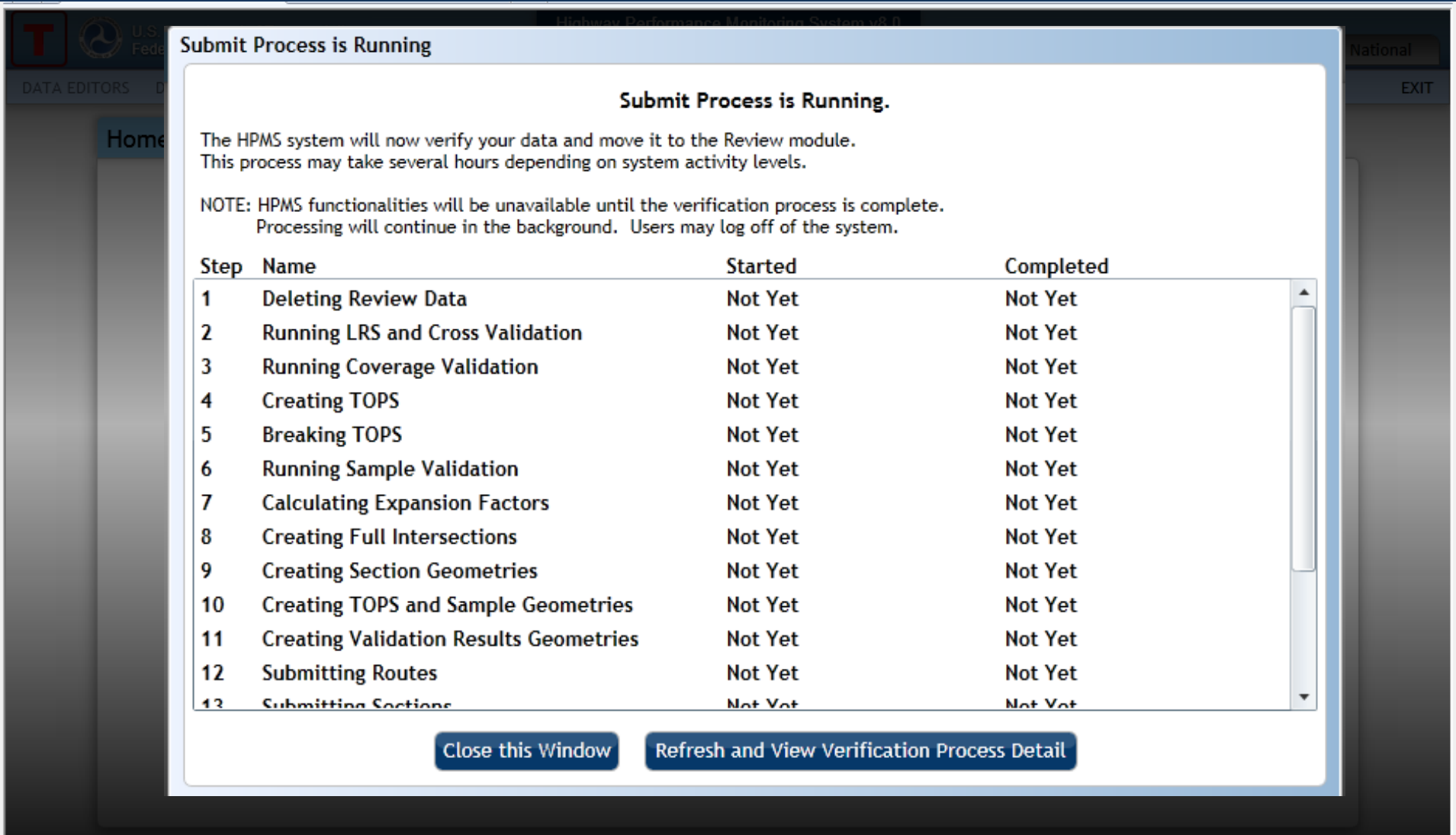
Your Job Is Finished



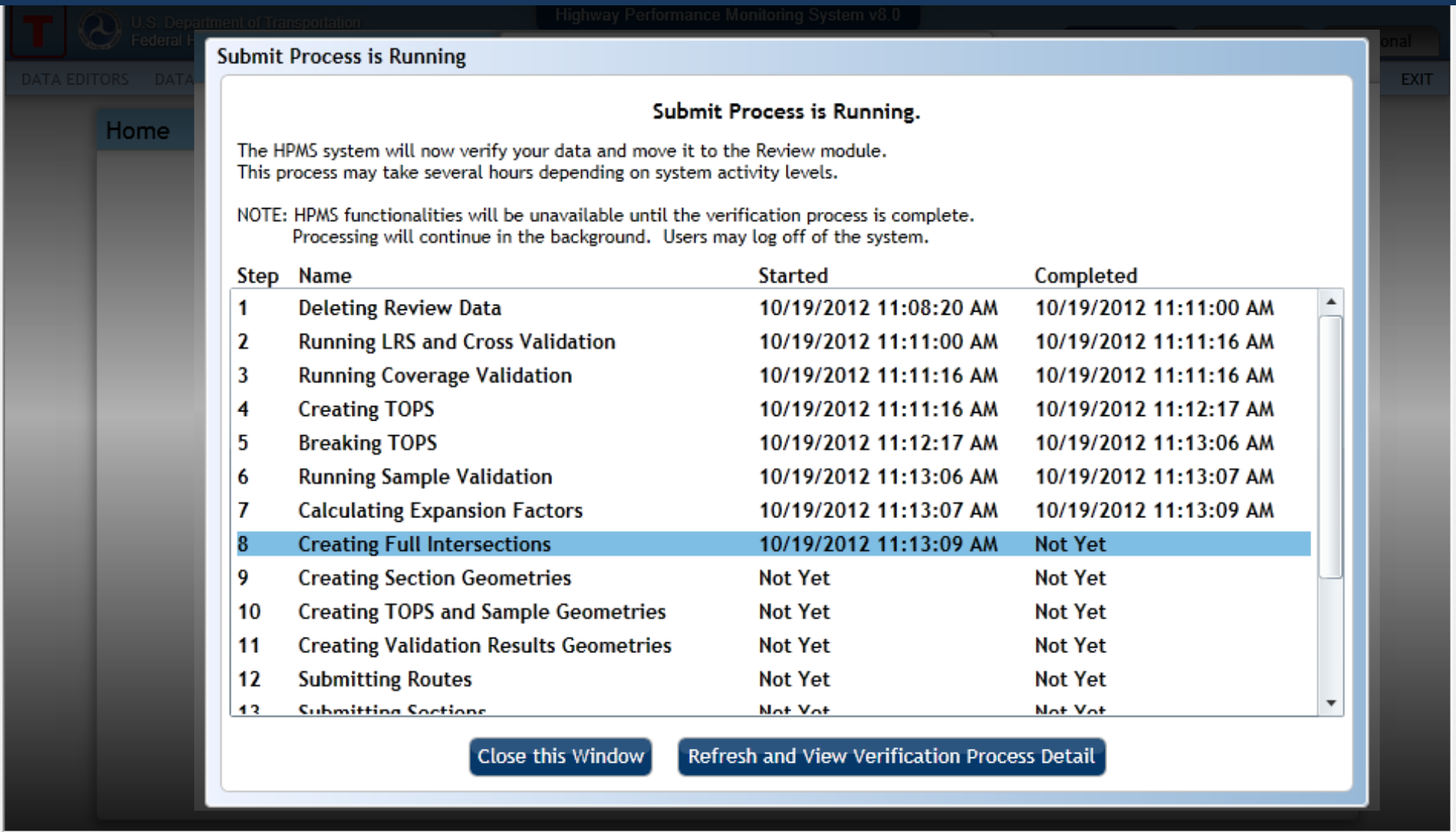
Go Get Some Coffee



Don’t Like Coffee? Stick Around!

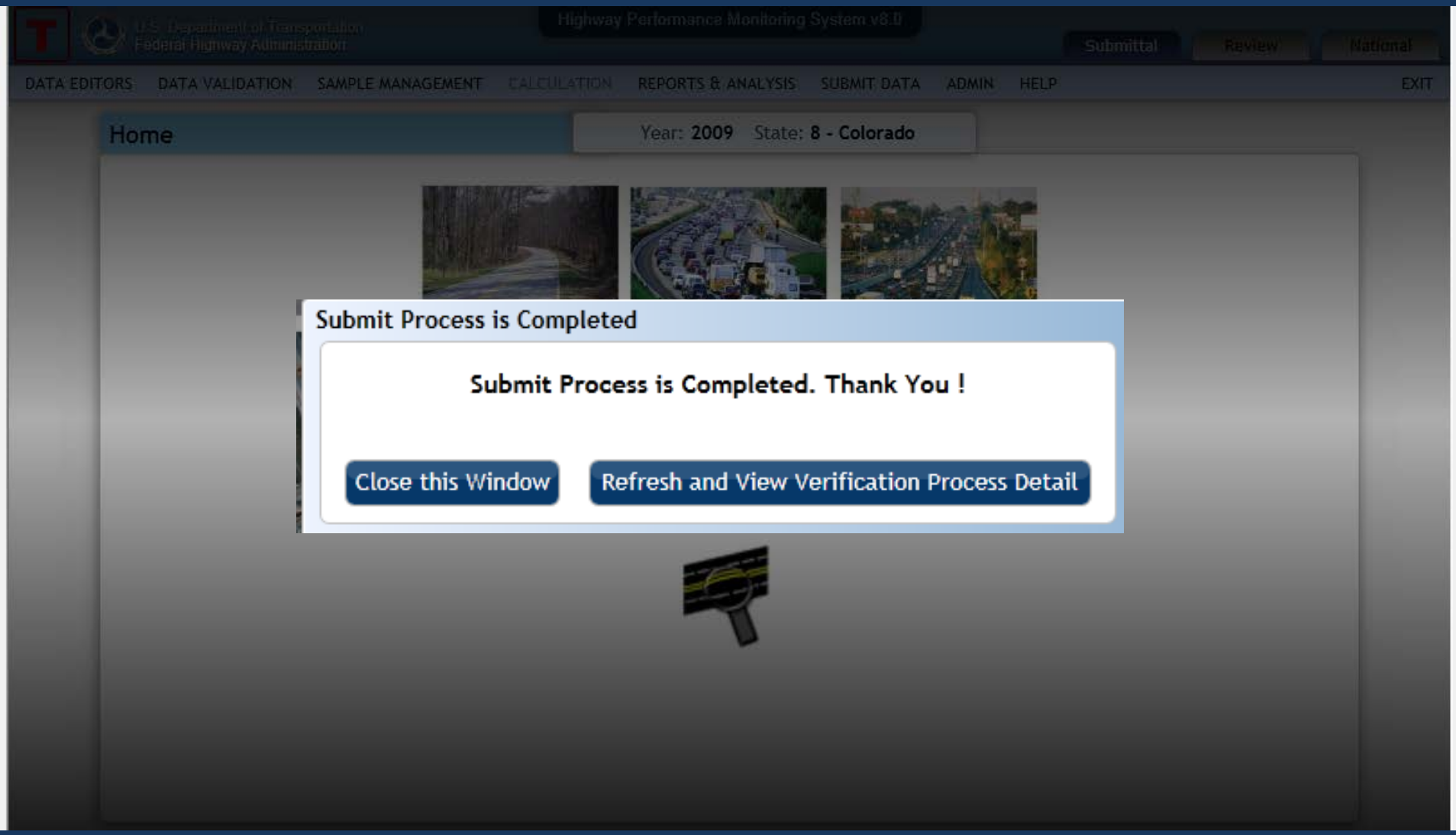


Progress

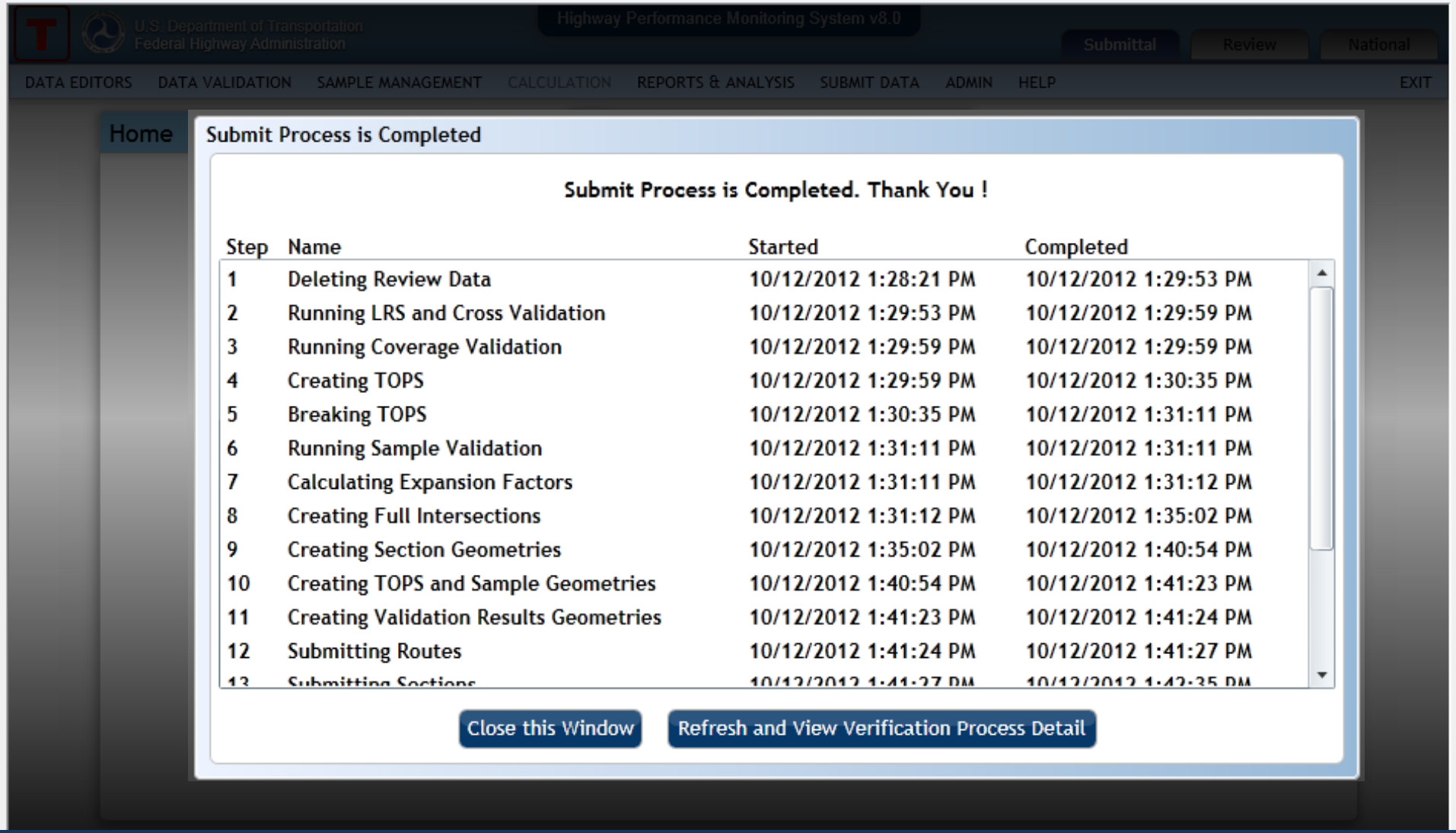


Step	Name	Started	Completed
1	Deleting Review Data	10/19/2012 11:08:20 AM	10/19/2012 11:11:00 AM
2	Running LRS and Cross Validation	10/19/2012 11:11:00 AM	10/19/2012 11:11:16 AM
3	Running Coverage Validation	10/19/2012 11:11:16 AM	10/19/2012 11:11:16 AM
4	Creating TOPS	10/19/2012 11:11:16 AM	10/19/2012 11:12:17 AM
5	Breaking TOPS	10/19/2012 11:12:17 AM	10/19/2012 11:13:06 AM
6	Running Sample Validation	10/19/2012 11:13:06 AM	10/19/2012 11:13:07 AM
7	Calculating Expansion Factors	10/19/2012 11:13:07 AM	10/19/2012 11:13:09 AM
8	Creating Full Intersections	10/19/2012 11:13:09 AM	Not Yet
9	Creating Section Geometries	Not Yet	Not Yet
10	Creating TOPS and Sample Geometries	Not Yet	Not Yet
11	Creating Validation Results Geometries	Not Yet	Not Yet
12	Submitting Routes	Not Yet	Not Yet
13	Submitting Sections	Not Yet	Not Yet

Signed, Sealed and Delivered!



The Backstory



Step	Name	Started	Completed
1	Deleting Review Data	10/12/2012 1:28:21 PM	10/12/2012 1:29:53 PM
2	Running LRS and Cross Validation	10/12/2012 1:29:53 PM	10/12/2012 1:29:59 PM
3	Running Coverage Validation	10/12/2012 1:29:59 PM	10/12/2012 1:29:59 PM
4	Creating TOPS	10/12/2012 1:29:59 PM	10/12/2012 1:30:35 PM
5	Breaking TOPS	10/12/2012 1:30:35 PM	10/12/2012 1:31:11 PM
6	Running Sample Validation	10/12/2012 1:31:11 PM	10/12/2012 1:31:11 PM
7	Calculating Expansion Factors	10/12/2012 1:31:11 PM	10/12/2012 1:31:12 PM
8	Creating Full Intersections	10/12/2012 1:31:12 PM	10/12/2012 1:35:02 PM
9	Creating Section Geometries	10/12/2012 1:35:02 PM	10/12/2012 1:40:54 PM
10	Creating TOPS and Sample Geometries	10/12/2012 1:40:54 PM	10/12/2012 1:41:23 PM
11	Creating Validation Results Geometries	10/12/2012 1:41:23 PM	10/12/2012 1:41:24 PM
12	Submitting Routes	10/12/2012 1:41:24 PM	10/12/2012 1:41:27 PM
13	Submitting Sections	10/12/2012 1:41:27 PM	10/12/2012 1:42:35 PM

New Implementation II

Updated Report Module

Ta Da!

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Submittal | Review | National

DATA EDITORS | DATA VALIDATION | SAMPLE MANAGEMENT | CALCULATION | REPORTS & ANALYSIS | SUBMIT DATA | ADMIN | HELP | EXIT

Reports

Year: **2012** State: **35 - New Mexico**

Inter-Active Reports

Last updated: 2:06:51 PM

Report Name	Report Status	Submitted By	Submitted On	Last Modified On	Create	Cancel	Download	Preview PDF
Consistency	0 - Not Created				☐			
Extent and Travel Report	0 - Not Created				☐			
Extent and Travel Report (Urban/Rural Summary)	0 - Not Created				☐			
Extent and Travel on the NHS	0 - Not Created				☐			
Extent and Travel on the Interstates	0 - Not Created				☐			
IRI on the Federal Aid Highways	0 - Not Created				☐			
IRI on the NHS	0 - Not Created				☐			
Overview	0 - Not Created				☐			
Ownership	0 - Not Created				☐			
Sample Adequacy	0 - Not Created				☐			
Validation Summary	0 - Not Created				☐			

Create Selected Reports | Cancel Selected Reports | Download Selected Reports

Done | Trusted sites | Protected Mode: Off | 100%

But is it REALLY Better?

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DATA EDITORS | DATA VALIDATION | SAMPLE MANAGEMENT | CALCULATION | REPORTS & ANALYSIS | SUBMIT DATA | ADMIN | HELP | EXIT

Reports

Year: **2011** State: **35 - New Mexico**

Inter-Active Reports

Last updated: 2:09:45 PM

Report Name	Report Status	Submitted By	Submitted On	Last Modified On	Create	Cancel	Download	Preview PDF
Consistency	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:25 AM				
Extent and Travel Report	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:38 AM				
Extent and Travel Report (Urban/Rural Summary)	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:48 AM				
Extent and Travel on the NHS	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:51 AM				
Extent and Travel on the Interstates	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:55 AM				
IRI on the Federal Aid Highways	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:56 AM				
IRI on the NHS	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:58 AM				
Overview	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:59 AM				
Ownership	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:01:01 AM				
Sample Adequacy	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:01:11 AM				
Validation Summary	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:01:13 AM				

Create Selected Reports | Cancel Selected Reports | Download Selected Reports

I don’t Trust that Titus Guy…

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Reports

Year: **2011** State: **35 - New Mexico**

Inter-Active Reports

Last updated: 2:10:27 PM

Report Name	Report Status	Submitted By	Submitted On	Last Modified On	Create	Cancel	Download	Preview PDF
Consistency	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:25 AM	☐		☑	
Extent and Travel Report	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:38 AM	☐		☑	
Extent and Travel Report (Urban/Rural Summary)	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:48 AM	☐		☐	
Extent and Travel on the NHS	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:51 AM	☐		☐	
Extent and Travel on the Interstates	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:55 AM	☐		☐	
IRI on the Federal Aid Highways	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:56 AM	☐		☐	
IRI on the NHS	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:58 AM	☐		☐	
Overview	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:00:59 AM	☐		☐	
Ownership	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:01:01 AM	☐		☐	
Sample Adequacy	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:01:11 AM	☐		☐	
Validation Summary	5 - Report Created	Ispirescu, Titus	10/18/2012 9:59:33 AM	10/18/2012 10:01:13 AM	☐		☐	

Create Selected Reports | Cancel Selected Reports | Download Selected Reports

NM_Review_Reports10192012.zip - SecureZIP

Home | Organize | Compression | Extraction | View | Miscellaneous

Add Files | Extract Files | Encrypt | Sign | View | Email Archive

Actions...

Enable Encrypt Files | Strong: Recipient list or passphrase

Enable Sign Files

Security...

Wizard

Wizard

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Submit_2011_35_13_Extent and Travel Report.CSV	10 KB	Microsoft Excel C...	10/19/2012 2:12 PM	
Submit_2011_35_13_Extent and Travel Report.PDF	186 KB	Adobe Acrobat D...	10/19/2012 2:12 PM	
Submit_2011_35_14_Extent and Travel Report (Urban-Rural Summary...	6,874 B	Microsoft Excel C...	10/19/2012 2:12 PM	
Submit_2011_35_14_Extent and Travel Report (Urban-Rural Summary...	166 KB	Adobe Acrobat D...	10/19/2012 2:12 PM	
Submit_2011_35_16_Sample Adequacy.CSV	5,645 B	Microsoft Excel C...	10/19/2012 2:12 PM	
Submit_2011_35_16_Sample Adequacy.PDF	236 KB	Adobe Acrobat D...	10/19/2012 2:12 PM	
Submit_2011_35_2_Validation Summary.CSV	1,423 B	Microsoft Excel C...	10/19/2012 2:12 PM	
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Submit_2011_35_4_Ownership.CSV	11 KB	Microsoft Excel C...	10/19/2012 2:12 PM	
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Submit_2011_35_5_Consistency.PDF	131 KB	Adobe Acrobat D...	10/19/2012 2:12 PM	
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Selected 0 files, 0 bytes | Total 22 files, 1,801 KB | v14.00.0023

HPMS 8.0.1

Extent and Travel Report

Urbanized Area Summary

Stage: Submit
Year: 2011
State: 35 - New Mexico
Date: 10/18/2012

	Miles			Lane Miles			Vehicle Miles		
	2011	2010	% Change	2011	2010	% Change	2011	2010	% Change
All Areas									
1 - Interstate	999.92	999.92	0.00%	4,158.03	4,088.85	1.69%	19,220,961.96	19,312,238.57	-0.47%
2 - PA - Other Freeways and Expressways	0.00	5.00	-100.00%	0.00	10.00	-100.00%	0.00	58,240.00	-100.00%
3 - PA - Other	2,551.78	2,551.13	0.03%	8,399.02	8,222.70	2.14%	19,619,611.54	20,023,134.46	-2.02%
4 - Minor Arterial	2,590.23	2,587.29	0.11%	5,615.34	5,654.09	-0.69%	8,078,883.37	8,507,129.27	-5.03%
5 - Major Collector	3,925.10	3,915.86	0.24%	7,917.71	7,899.22	0.23%	3,576,120.13	3,647,938.78	-1.97%
6 - Minor Collector	4,631.06	4,555.62	1.66%	9,365.07	9,210.62	1.68%	4,621,808.59	1,433,920,116.10	-99.68%
7 - Local	53,686.16	53,763.06	-0.14%	107,372.32	107,526.11	-0.14%	14,835,000.00	1,211,285,000.00	-98.78%
Total	**68,384.2**	**68,377.9**	**0.01%**	**142,827.5**	**142,611.6**	**0.15%**	**69,952,385.6**	**2,696,753,797.2**	**-97.41%**
1171 - Albuquerque, NM									
1 - Interstate	58.70	58.70	0.00%	339.88	323.90	4.93%	4,996,159.89	4,990,168.49	0.12%
2 - PA - Other Freeways and Expressways	0.00	5.00	-100.00%	0.00	10.00	-100.00%	0.00	58,240.00	-100.00%
3 - PA - Other	249.15	250.13	-0.39%	1,026.57	1,028.53	-0.19%	5,334,460.56	5,449,760.19	-2.12%
4 - Minor Arterial	202.96	201.10	0.92%	532.67	573.59	-7.13%	1,848,199.35	2,115,949.01	-12.65%
5 - Major Collector	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
6 - Minor Collector	286.51	253.07	13.21%	645.58	575.12	12.25%	1,402,516.95	1,226,898.05	14.31%
7 - Local	1,745.18	1,814.36	-3.81%	3,490.36	3,628.72	-3.81%	1,586,000.00	1,592,000.00	-0.38%
Total	**2,542.5**	**2,582.4**	**-1.54%**	**6,035.1**	**6,139.9**	**-1.71%**	**15,167,336.7**	**15,433,015.7**	**-1.72%**
27253 - El Paso, TX--NM									
1 - Interstate	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
2 - PA - Other Freeways and Expressways	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
3 - PA - Other	0.29	0.29	0.00%	1.04	1.04	0.00%	1,586.13	1,584.95	0.07%
4 - Minor Arterial	11.35	11.35	0.00%	30.08	30.08	0.00%	87,769.23	79,874.28	9.88%
5 - Major Collector	0.00	0.00	0.00%	0.00	0.00	0.00%	0.00	0.00	0.00%
6 - Minor Collector	0.93	0.93	0.00%	1.85	1.85	0.00%	3,647.42	4,306.41	-15.30%
7 - Local	1.12	1.12	0.00%	2.23	2.23	0.00%	4,000.00	3,000.00	33.33%
Total	**13.7**	**13.7**	**0.00%**	**35.2**	**35.2**	**0.00%**	**97,002.8**	**88,765.6**	**9.28%**

What About Performance?

U.S. Department of Transportation
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Submittal | Review | National

DATA EDITORS | DATA VALIDATION | SAMPLE MANAGEMENT | REPORTS & ANALYSIS | ARCHIVE | ADMIN | HELP | EXIT

Reports

Year: **2009** State: **8 - Colorado**

Inter-Active Reports

Last updated: 3:15:26 PM

Report Name	Report Status	Submitted By	Submitted On	Last Modified On	Create	Cancel	Downloac
Consistency	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:28:27 AM	☐		☐
Extent and Travel Report	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:28:43 AM	☐		☐
Extent and Travel Report (Urban/Rural Summary)	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:28:55 AM	☐		☐
Extent and Travel on the NHS	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:28:58 AM	☐		☐
Extent and Travel on the Interstates	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:29:01 AM	☐		☐
IRI on the Federal Aid Highways	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:29:05 AM	☐		☐
IRI on the NHS	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:29:13 AM	☐		☐
Overview	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:29:13 AM	☐		☐
Ownership	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:29:16 AM	☐		☐
Sample Adequacy	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:29:30 AM	☐		☐
Validation Summary	5 - Report Created	Clarke, Justin S	10/19/2012 11:27:24 AM	10/19/2012 11:29:31 AM	☐		☐
Extent and Travel Report (Nationwide)	0 - Not Created				☐		
HM-20 (Public Road Length by Funcational System)	0 - Not Created				☐		
HM-60 (Estimated Public Road Lane - Miles by Funcational System)	0 - Not Created				☐		
VM-2 (Vehicle -Miles of Travel by Functional System)	0 - Not Created				☐		

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Recent Software Enhancements

Sample Tools

HPMS v8 - Home - Windows Internet Explorer

https://proxy-p.fhwa.dot.gov/hpmsp/#/State

File Edit View Favorites Tools Help

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HPPI-20 HPMS v8 - Home

U.S. Department of Transportation
Federal Highway Administration

Highway Performance Monitoring System v8.0

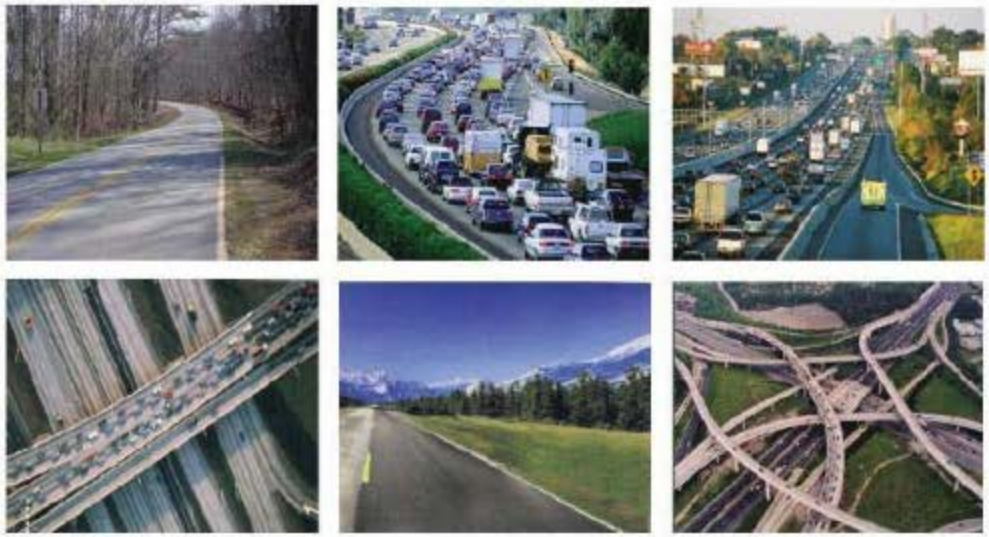
Submittal

DATA EDITORS DATA VALIDATION SAMPLE MANAGEMENT CALCULATION REPORTS & ANALYSIS SUBMIT DATA ADMIN HELP

Sample Management
Sample Data Items

Home

Year: **2011** State: **13 - Georgia**



TMI

DATA EDITORS | DATA VALIDATION | SAMPLE MANAGEMENT | CALCULATION | REPORTS & ANALYSIS | SUBMIT DATA | ADMIN | HELP | EXIT

Sample Data Items

Year: **2011** State: **13 - Georgia**

Show Summary

Overall Summary: Total Samples: 2463 Samples With No Missing Data Items: 0 Samples with Missing Data Items: 2463

Samples Data Items

Filter by Samples with Missing Data Item: Clear

Sample ID	Route ID	Begin Point	End Point	F System	Urban Code	Volume Group	Missing Data Items
000400100400	0011000400	0.410	3.720	3	99999	3	39
000400104000	0011000400	3.720	7.540	3	99999	3	38
000400107050	0011000400	7.540	8.770	3	99999	3	39
000400116850	0011000400	16.640	20.650	3	99999	3	33
002700112290	0011002700	13.200	19.870	3	99999	3	36
016900100000	0011016900	0	1.850	4	99999	2	41
020300100000	0011020300	0.270	5.060	5	99999	2	46
020300104130	0011020300	5.060	6.260	5	99999	2	46
020300106600	0011020300	6.540	10.790	5	99999	2	50
009000200790	0012008400	2.160	3.260	5	99999	2	53
009000201900	0012009000	0	0.980	5	99999	3	50
041700200000	0012041700	0	3.680	5	99999	2	49
053100200000	0012053100	0	4.010	5	99999	2	50
020200200910	0013072901	0	0.920	5	99999	2	53
003100108200	0031003100	8.410	9.260	3	99999	3	36
008900100000	0031008900	0	5.860	3	99999	2	39

1 2 3 4 5 6 7 8 9 ... Total: 2463 Page 1 of 99

Done | Trusted sites | Protected Mode: Off | 100%

It Isn't My Fault

U.S. Department of Transportation
Federal Highway Administration

Highway Performance Monitoring System v8.0

Submittal | Review | National

DATA EDITORS | DATA VALIDATION | SAMPLE MANAGEMENT | CALCULATION | REPORTS & ANALYSIS | SUBMIT DATA | ADMIN | HELP | EXIT

Sample Data Items

Year: **2011** State: **13 - Georgia**

Show Summary

Overall Summary: Total Samples: 2463 Samples With No Missing Data Items: 0 Samples with Missing Data Items: 2463

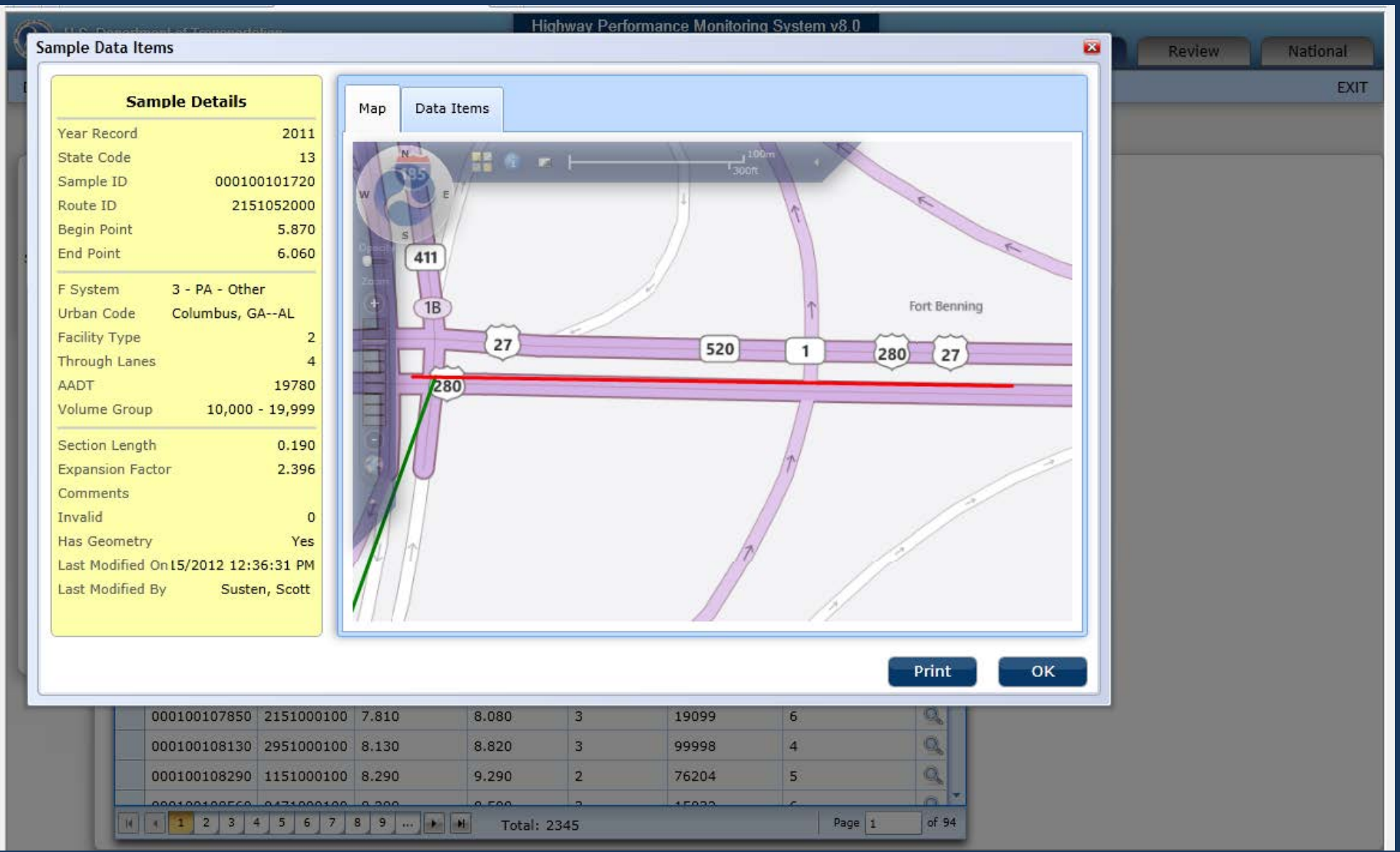
Samples Data Items

Filter by Samples with Missing Data Item: Faulting Clear

Sample ID	Route ID	Begin Point	End Point	F System	Urban Code	Volume Group
000100100430	2151052000	6.640	7.780	3	19099	5
000100101720	2151052000	5.870	6.060	3	19099	5
000100102700	2151052000	4.460	5.110	3	19099	6
000100103510	14310001BU	3.320	3.980	5	99999	3
000100103980	2151052000	3.430	3.730	3	19099	6
000100104590	2151052000	2.460	3.110	3	19099	6
000100105270	2151052000	1.160	2.460	3	19099	6
000100105350	1151000100	4.790	5.620	3	76204	5
000100105620	1151000100	5.620	6.970	3	76204	5
000100105720	0531052000	8.680	9.150	3	99999	5
000100106701	2151052000	0.480	0.970	3	19099	6
000100106870	2951000100	6.170	7.450	3	99998	4
000100107150	1151000100	7.430	8.290	3	76204	5
000100107850	2151000100	7.810	8.080	3	19099	6
000100108130	2951000100	8.130	8.820	3	99998	4
000100108290	1151000100	8.290	9.290	2	76204	5

1 2 3 4 5 6 7 8 9 ... Total: 2345 Page 1 of 94

A Closer Look



(Mis)Leading the Witness

Highway Performance Monitoring System v8.0

Sample Data Items

Sample Details

Year Record	2011
State Code	13
Sample ID	000100101720
Route ID	2151052000
Begin Point	5.870
End Point	6.060
F System	3 - PA - Other
Urban Code	Columbus, GA--AL
Facility Type	2
Through Lanes	4
AADT	19780
Volume Group	10,000 - 19,999
Section Length	0.190
Expansion Factor	2.396
Comments	
Invalid	0
Has Geometry	Yes
Last Modified On	15/2012 12:36:31 PM
Last Modified By	Susten, Scott

Map | Data Items

Inventory		Traffic					
Structure Type	1	AADT Single Unit	1025	Widening Obstacle	AC	Surface Type	2
Access Control	2	Pct Peak Single	0.4	Widening Potential	1	Rutting	0
Ownership	1	AADT Combination	1931	Curves A	0.19	Faulting	
Ownership (S)		Pct Peak Combination	0.6	Curves B		Cracking Percent	0
HOV Type		K_Factor	8	Curves C		Cracking Length	
HOV Lanes		Dir Factor	83	Curves D		Year Last Improv	
Peak Lanes	2	Future AADT	27239	Curves E		Year Last Construction	
Counter Peak Lanes	2	Future AADT (Year)	2030	Curves F		Last Overlay Thickness	
Turn Lanes R	1	Signal Type	5	Terrain Type		Thickness Rigid	
Turn Lanes L	1	Pct Green Time		Grades A	0.03	Thickness Flexible	
Speed Limit	55	Number Signals	0	Grades B	0.11	Base Type	
Toll Charged		Stop Signs	0	Grades C	0.05	Base Thickness	
Toll Charged (ID)		At Grade Other	0	Grades D		Climate Zone	
Toll Type				Grades E		Soil Type	
County Code	215	**Geometric**		Grades F			
				Pct Pass Sight			
Route		Lane Width	18			**Special Networks**	
		Median Type	2	**Pavement**			
Route Number	27	Median Width	26			NHS	1
Route Number (T)		Shoulder Type	5	IRI	83	Future Facility	
Route Signing	3	Shoulder Width R	10	IRI (Year)	2011	STRAHNET Type	1
Route Qualifier	9	Shoulder Width L	4	IRI (Month)	9	Truck	1
Alt. Route Name		Peak Parking	3	PSR		Future Facility	

Print | OK

000100107850	2151000100	7.810	8.080	3	19099	6
000100108130	2951000100	8.130	8.820	3	99998	4
000100108290	1151000100	8.290	9.290	2	76204	5

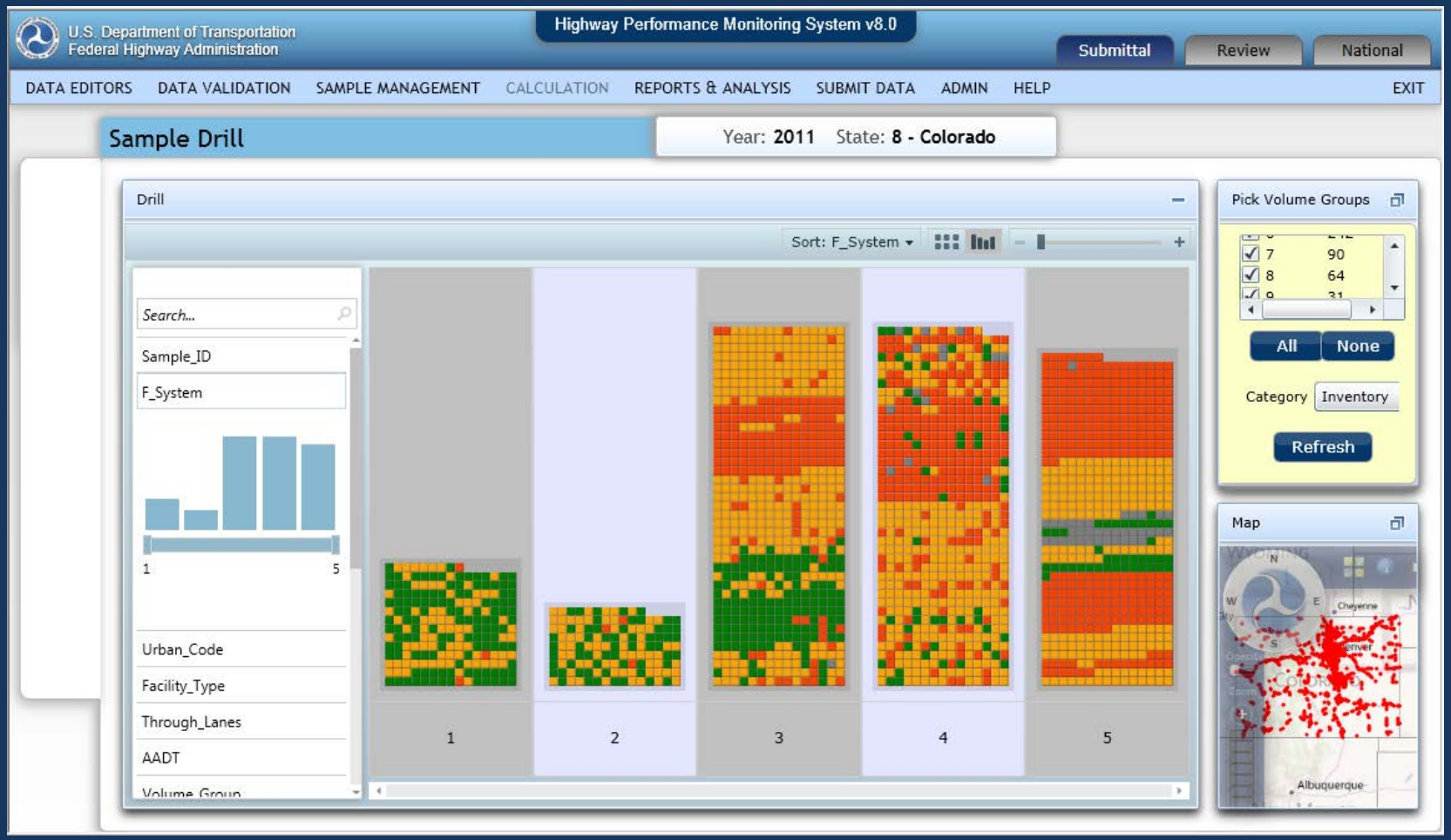
1 2 3 4 5 6 7 8 9 ... Total: 2345 Page 1 of 94

Coming Attractions

- Expanded Validations
  - Coverage, Route, Pavement?

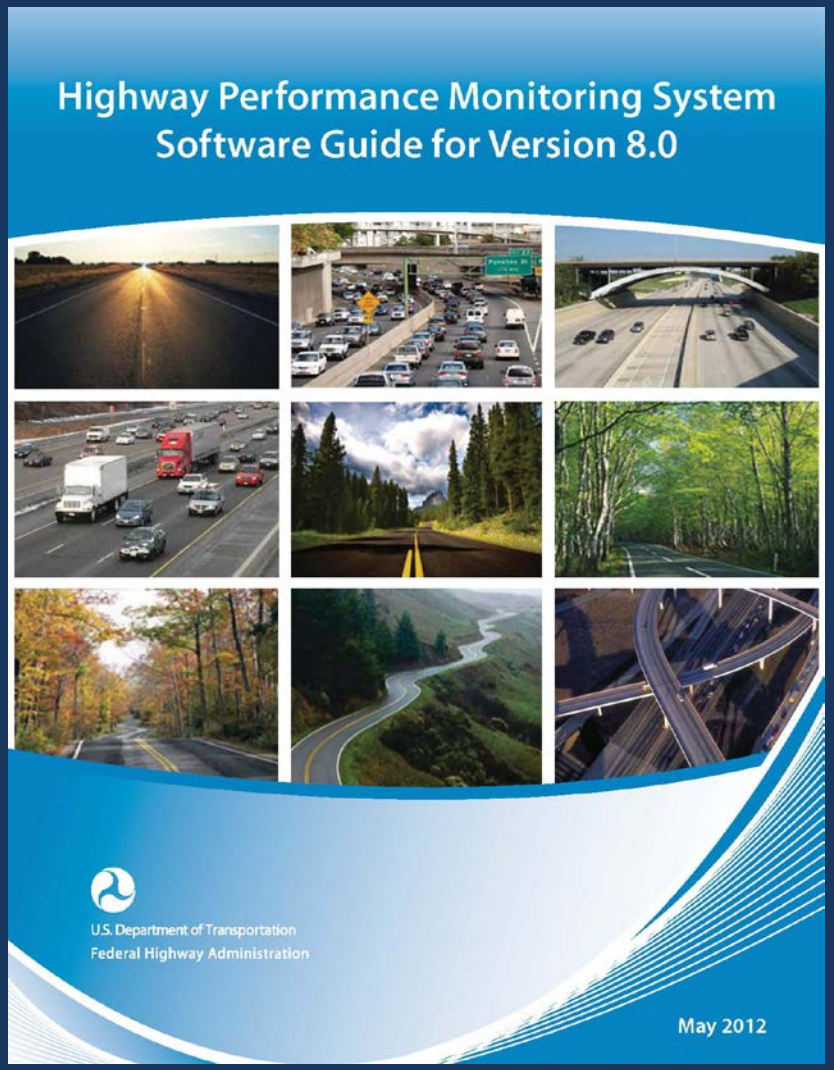
Data Item Must Exist	Where
F_System	Facility_Type in (1,2,3,4)
Urban_Code	(F_System in (1,2,3,4,5) or NHS) and Facility_Type (1,2,3,4) or (F_System =6 and Urban_Code < 99999)

Sample Drill



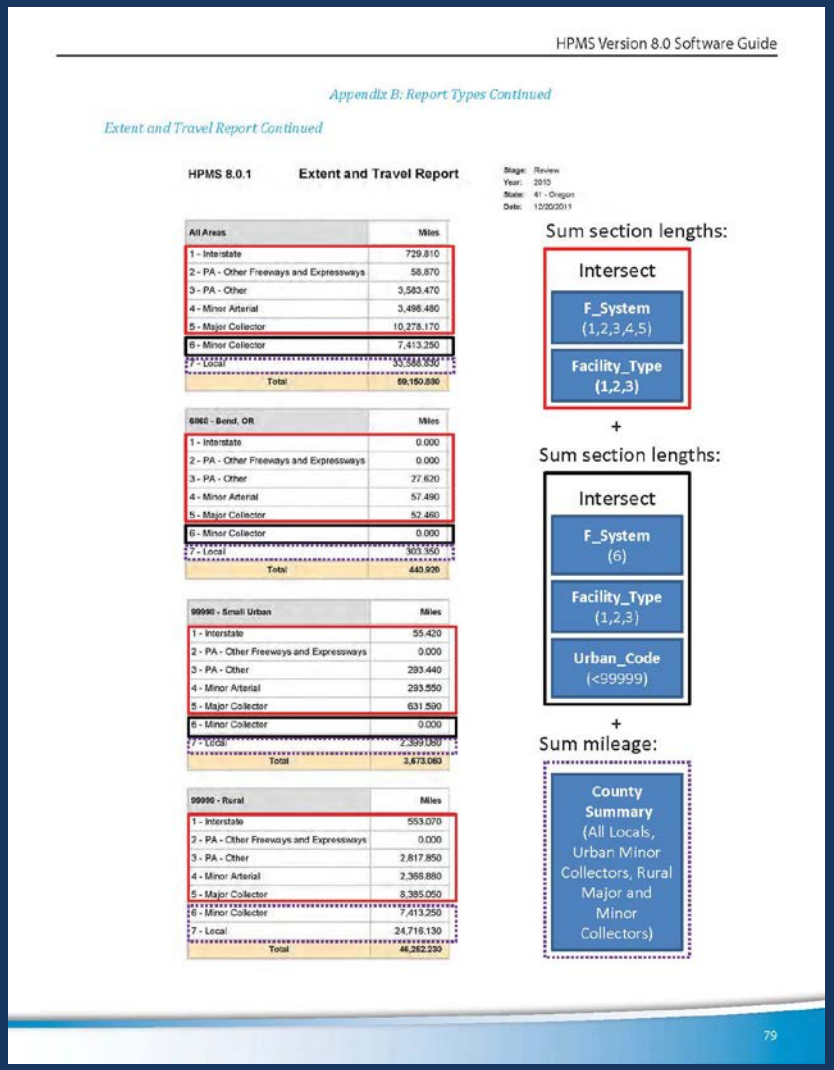
Coming Attractions

- Software Guide Update
  - April 2013
- Software Manual
  - 2013+



Coming Attractions

- Software Guide Update
  - Report logic
  - Updated list of validations including Route and Coverage



HPMS Version 8.0 Software Guide

Appendix B: Report Types Continued

Extent and Travel Report Continued

HPMS 8.0.1 **Extent and Travel Report**

Stage: Review
Year: 2010
State: 41 - Oregon
Date: 12/20/2011

All Areas	Miles
1 - Interstate	729.810
2 - PA - Other Freeways and Expressways	58.870
3 - PA - Other	3,583.470
4 - Minor Arterial	3,498.480
5 - Major Collector	10,278.170
6 - Minor Collector	7,413.250
7 - Local	33,588.930
Total	59,150.930

6960 - Bend, OR	Miles
1 - Interstate	0.000
2 - PA - Other Freeways and Expressways	0.000
3 - PA - Other	27.620
4 - Minor Arterial	57.490
5 - Major Collector	52.460
6 - Minor Collector	0.000
7 - Local	303.350
Total	440.920

99990 - Small Urban	Miles
1 - Interstate	55.420
2 - PA - Other Freeways and Expressways	0.000
3 - PA - Other	293.440
4 - Minor Arterial	293.550
5 - Major Collector	631.590
6 - Minor Collector	0.000
7 - Local	2,399.080
Total	3,673.080

99999 - Rural	Miles
1 - Interstate	553.070
2 - PA - Other Freeways and Expressways	0.000
3 - PA - Other	2,817.850
4 - Minor Arterial	2,366.880
5 - Major Collector	8,385.050
6 - Minor Collector	7,413.250
7 - Local	24,716.130
Total	46,252.230

Sum section lengths:

Intersect
F_System (1,2,3,4,5)
Facility_Type (1,2,3)

+

Sum section lengths:

Intersect
F_System (6)
Facility_Type (1,2,3)
Urban_Code (<99999)

+

Sum mileage:

County Summary (All Locals, Urban Minor Collectors, Rural Major and Minor Collectors)

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Other Coming Attractions

- Queue modifications
  - Import ‘stacking’
- Update/Bug Reports
- NHS Module
- Review Module
- National Module
- Attend Tom’s Session

Questions?

Contact Info

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