

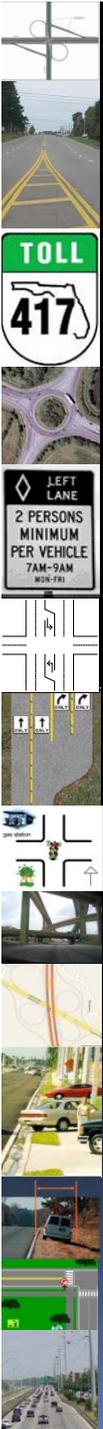
- Lesson 1
 - Sections and Sample Panel Identification File Structure

Module III

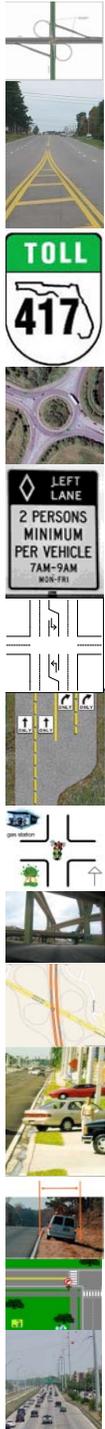
DATA REPORTING REQUIREMENTS

Lesson 1

SECTIONS AND SAMPLE PANEL IDENTIFICATION FILE STRUCTURE



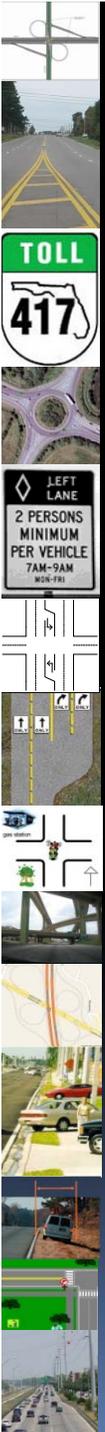
Sections Dataset File Structure



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

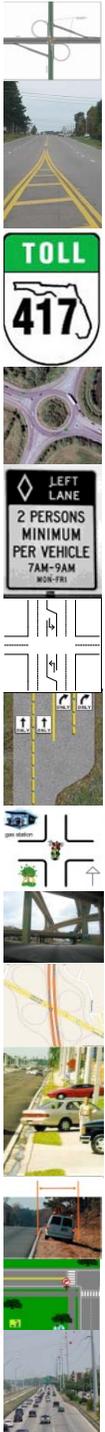
- Reports the State's roadway attribute data (i.e. 6g data items)
- Contains 11 data fields
 - 7 required fields
 - 3 item-dependent fields
 - 1 optional field
- Data Types
 - Numeric
 - Text
 - Date

Example Sections Dataset



Year_Record	State_Code	Route_ID	Begin_Point	End_Point	Data_Item	Section_Length	Value_Numeric	etc...
2009	41	000100200S00	0	0.75	AADT	0.75	14800	Factored '06 AADT
2009	41	000100200S00	.75	5.32	AADT	4.57	14700	4/2009 Est. AADT
2009	41	000100200S00	0	0.75	IRI	0.75	118	3/2009
2009	41	000100200S00	0.75	5.32	IRI	4.57	94	5/2008
2009	41	000100200S00	5.32	5.69	IRI	0.37	66	4/2008
2009	41	000100200S00	0	0.75	Through_Lanes	0.75	4	
2009	41	000100200S00	.75	5.32	Through_Lanes	4.57	4	Widened in '08

Sample Panel Identification Dataset File Structure

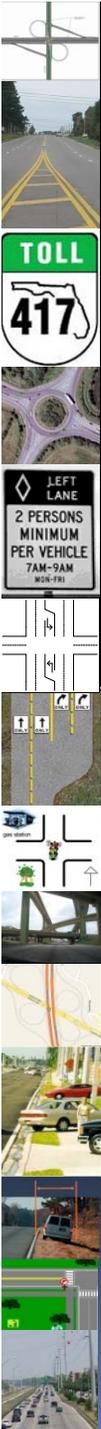


	Field Number	Field Name
Sample Panel Section	1	Year_Record
	2	State_Code
	3	Route_ID
	4	Begin_Point
	5	End_Point
	6	Section_Length
	7	Sample_ID

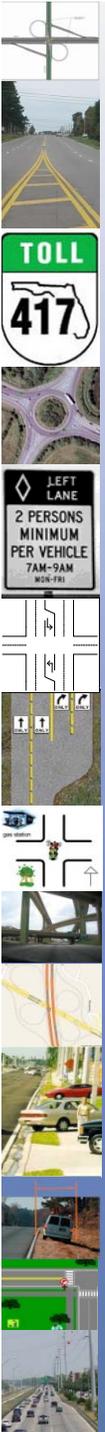
- Reports the location of the State's sample sections
- Contains 7 data fields
- Data Types
 - Numeric
 - Text

Example Sample Panel ID Dataset

Year_Record	State_Code	Route_ID	Begin_Point	End_Point	Section_Length	Sample_ID
2009	41	000100200S00	0	0.75	0.75	111
2009	41	000100200S00	.75	5.32	4.57	112
2009	41	000100200S00	0	0.75	0.75	113
2009	41	000100200S00	0.75	5.32	4.57	114
2009	41	000100200S00	5.32	5.69	0.37	115
2009	41	000100200S00	0	0.75	0.75	116
2009	41	000100200S00	.75	5.32	4.57	117



Sections and Sample Panel ID Datasets - Relationship



Sections Data

2009	41	000100200S00	0	0.75	Future_AADT	0.75	12000		
2009	41	000100200S00	.75	2.32	Future_AADT	1.57	9000		
2009	41	000100200S00	2.32	4.12	Future_AADT	1.8	16000		



Sample Panel ID Data

2009	41	000100200S00	0	0.35	0.35	111
2009	41	000100200S00	0.82	0.94	0.12	112
2009	41	000100200S00	2.2	3.03	0.83	113

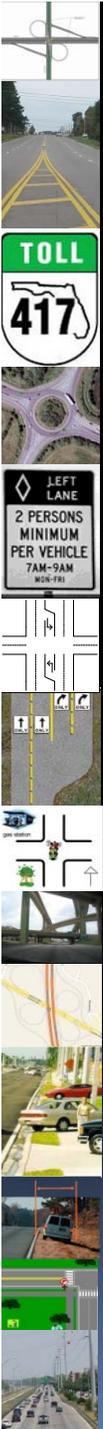


Sample Sections

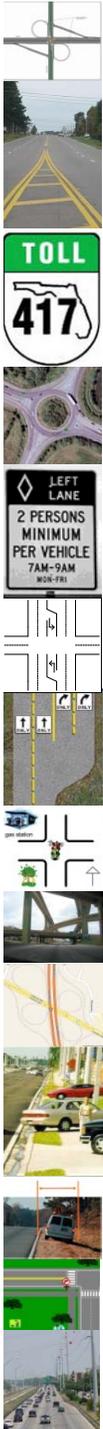


Data Aggregation/Calculation Concept

- In most cases, Sections data can be reported for any given extent
- FHWA applies business rules to Sections data for sampling purposes
- Business rules used to obtain a single data item value for each section



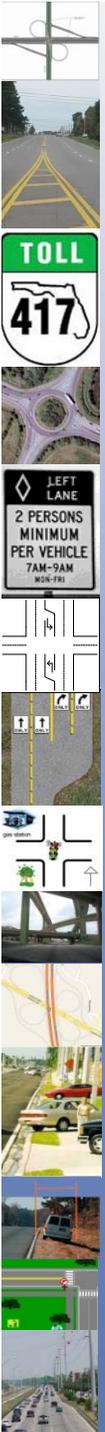
Data Aggregation Rules and Calculation Methods



Item Number	Data Item	Method
1	F_System *	No Calculation Required
2	Urban_Code *	No Calculation Required
3	Facility_Type *	No Calculation Required
4	Structure_Type	No Calculation Required
5	Access_Control	Predominance
6	Ownership	Predominance
7	Through_Lanes *	No Calculation Required
8	HOV_Type	Predominance
9	HOV_Lanes ***	Predominance
10	Peak_Lanes	Predominance
11	Counter_Peak_Lanes	Predominance
12	Turn_Lanes_R	Predominance
13	Turn_Lanes_L	Predominance
14	Speed_Limit	Predominance
15	Toll_Charged	Predominance
16	Toll_Type	Predominance
17	Route_Number	Predominance
18	Route_Signing	Predominance
19	Route_Qualifier	Predominance
20	Alternative_Route_Name	Predominance
21	ADT *	No Calculation Required#
22	ADT_Single_Unit	Weighted Averaging
23	Pct_Peak_Single	Weighted Averaging

- Combination
- Minimum Value
- Predominance
- Weighted Averaging

Aggregating/Calculating Sample Section Values



Sections Data

2009	41	000100200S00	0	0.75	Future_AADT	0.75	12000		
2009	41	000100200S00	.75	2.32	Future_AADT	1.57	9000		
2009	41	000100200S00	2.32	4.12	Future_AADT	1.8	16000		

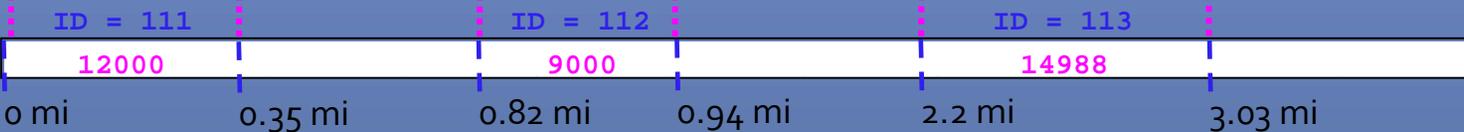


Sample Panel ID Data

2009	41	000100200S00	0	0.35	0.35	111
2009	41	000100200S00	0.82	0.94	0.12	112
2009	41	000100200S00	2.2	3.03	0.83	113

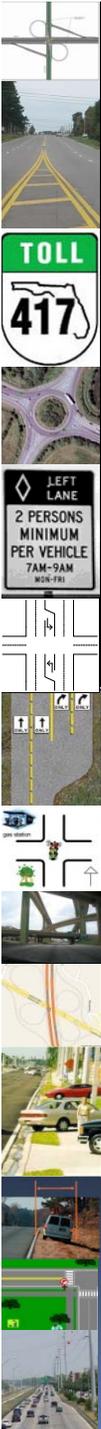


Sample Section Values



Lesson 1 Summary

- Sections dataset is used to report roadway attribute data
- Sample Panel ID dataset is used to report sample section limits
- Business rules are applied to Sections data for sampling purposes



Lesson 1

Questions???

