







Gateway Treatment

Project/Research Goals





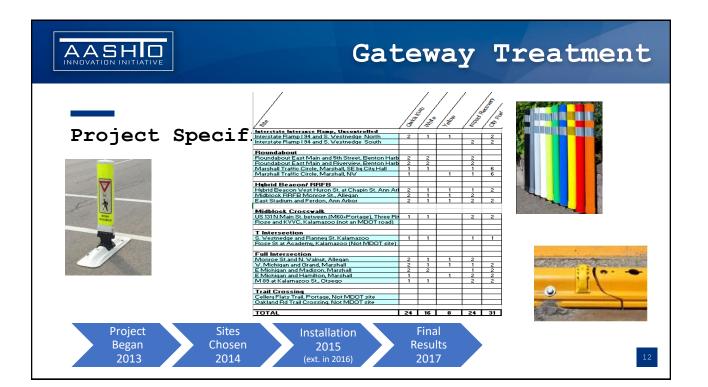
- Determine driver yielding compliance rates
- Determine how, when and where treatment should be used
- Determine the cost benefits of the treatment compared to other treatments

Determine the effect the treatment has on speed reductions











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Gateway Treatment

Some examples from the st

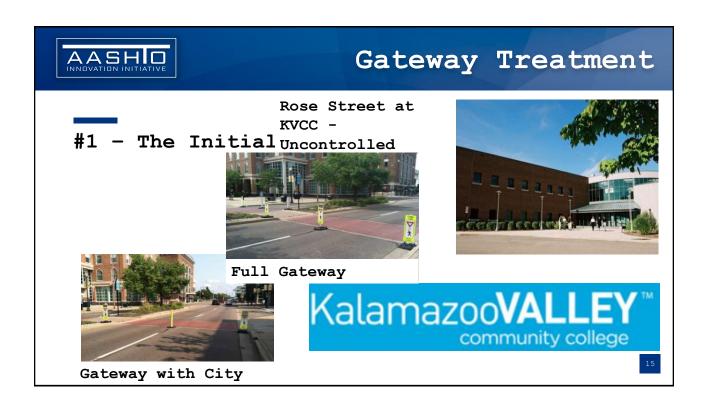
- Following are locations with:
 - Initial collected data (compliance
 - Study findings on yielding compliant
 - Installation guidance from the Final Doct

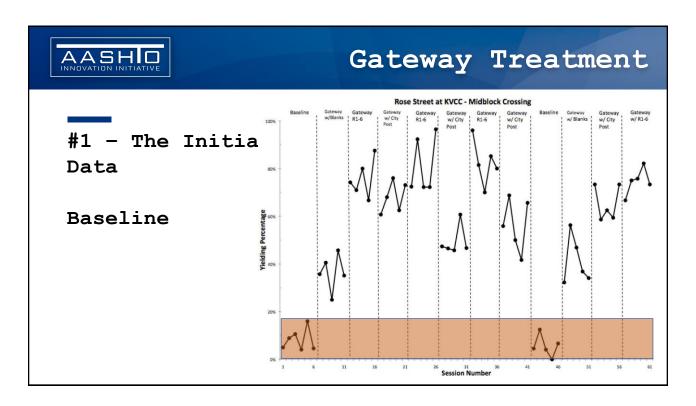


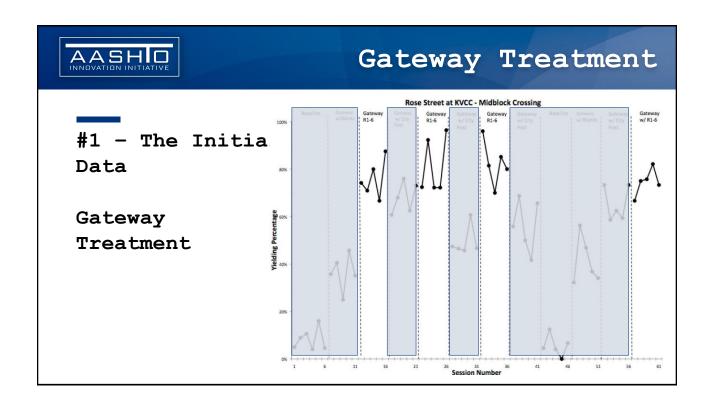


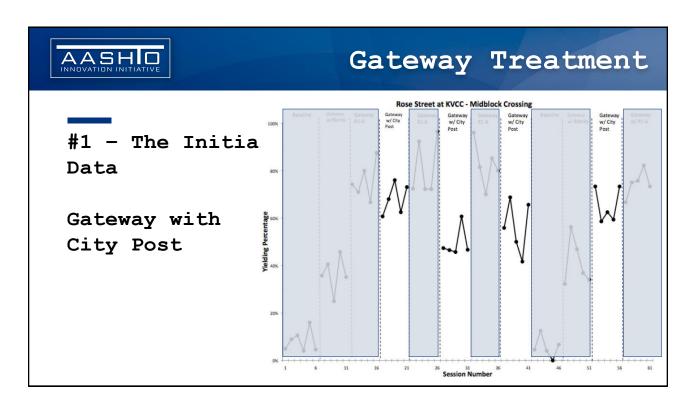


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Gateway Treatment

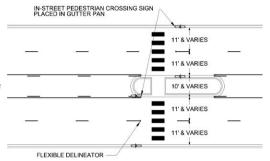
#1 - Final Results - Guidance



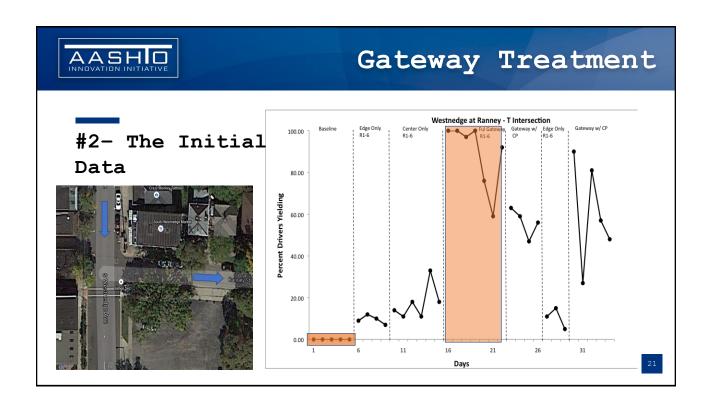
Between 70% and 90% compliance

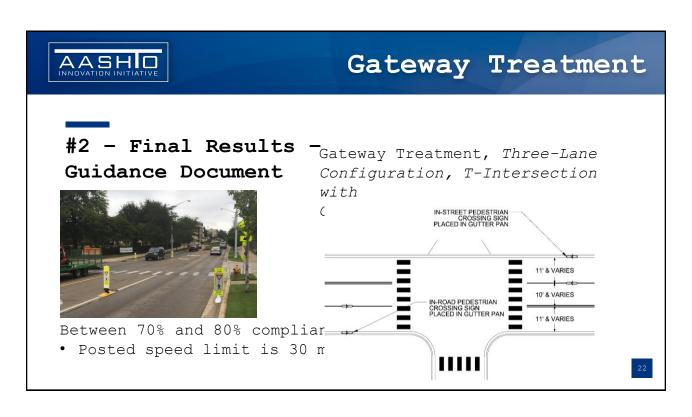
- Posted speeds of 30 mph or lower
- ADT up to 25,000

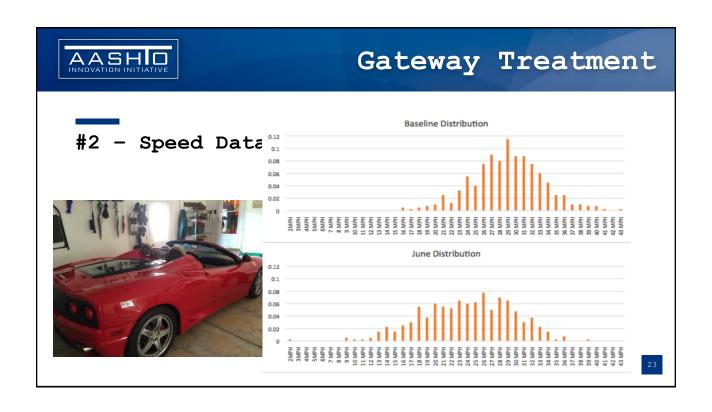
Gateway Treatment,
Four-Lane Configuration with
Refuge Island





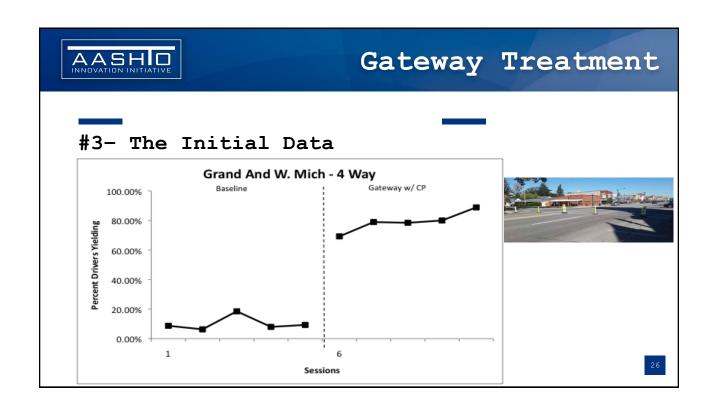








AASHID INNOVATION INITIATIVE Gateway Treatment West Michigan Avenue and Grand The Initial Data Four lane undivide d Parking W Michigan Ave on both sides Two-way STOP controll









Gateway Treatment

Speed Data

	Baseline Mean Speed		Jun Mean Speed		Aug Mean Speed		Oct Mean Speed	
SW Michigan	Dillema Zone	Crosswalk	Dillema Zone	Crosswalk	Dillema Zone	Crosswalk	Dillema Zone	Crosswalk
Westnedge & Ranney	27.6	29	24.3	23.0	NA	NA	NA	NA
Three Rivers N.Main	23.9	22.6	22.8	21.6	21.5	14.0	20.5	19.7
Benton Harbor	29.4	19.2	27.6	18.8	27.4	15.7	27.2	16.4
Allegan	27.2	28.1	25.9	25.4	27.2	27.1	26.9	26.9
Grand Rapids								
Cherry & Hollister	25.6	25.2	22.8	21.9	21.5	20.5	21.5	20.5
Wealthy & Henry	24.8	24.4	24.4	22.0	24.7	23.6	23.0	22.3
Ann Arbor								
7th & Stadium	34.1	30.6	31.6	27.6	32.1	28.9	29.6	28.4
Division & Jefferson	28.1	27.4	25.4	19.1	22.6	19.5	NA	NA
Nixon & Bluett	32.8	32.3	28.5	27.1	31.6	29.3	29.9	28.8
Huron	32.8	32.9	29.4	28.3	24.6	23.5	23.4	22.6

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Speed Data

	Speed Re	dution at	Crosswalk	Speed Reduction Dilemma Zone			
Location	Jun	Aug	Oct	Jun	Aug	Oct	
Monroe	2.7	1	1.2	1.3	0	0.3	
Stadium	3.2	1.9	2.4	0	0	1	
Huron	4.6	9.4	8.3	3.4	8.2	7.4	
Westnedge	6.1	NA	NA	3.3	NA	NA	
Nixon	3.6	3	3.5	2.4	1.9	3	
Division	8.3	7.9	NA	3	5	NA	
Cherry	3.3	4.7	3.3	2.8	4.1	3.5	
Mean	4.5	4.7	3.7	2.3	3.2	3.0	

