# SH 249 Access Management Study Public Meeting No. 1





**NOVEMBER 13, 2014** 



IN ASSOCIATION WITH

HNTB
The Lentz Group
CJ Hensch



### **Meeting Agenda**

### **Project Overview**

- Study Purpose
- Access Management

### **Existing Conditions**

- Land Use Characteristics
- Transportation Characteristics
- Corridor Needs and Issues

### **Next Steps**







### **Study Participants**

#### Steering Committee

- H-GAC
- TxDOT
- Harris County
- City of Houston
- METRO
- Harris County Toll Road Authority
- Northwest HFD
- Houston Intercontinental Chamber of Commerce
- Aldine ISD
- Klein ISD
- Near Northwest Management District
- Stakeholders

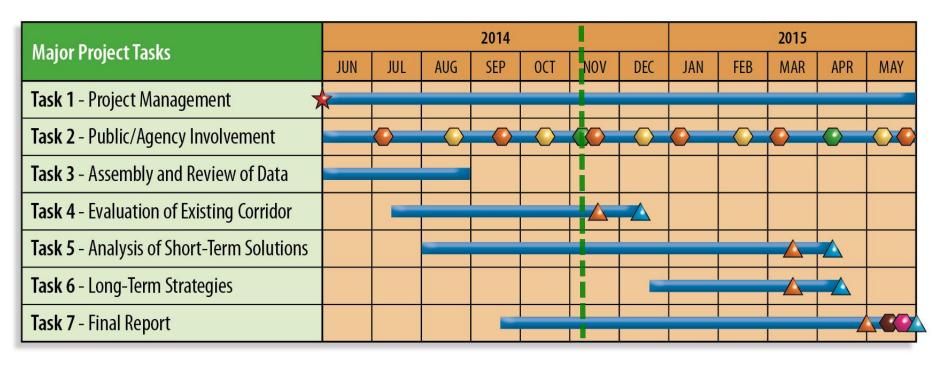
- Consultants
  - CDM Smith
  - HNTB
  - The Lentz Group
  - CJ Hensch & Associates

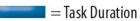


General Public



### Project Schedule





 $\bigstar$  = Kick-Off Meeting

Progress Meeting

= Steering Committee Meeting

Public Meeting

 $\triangle$  = Draft Deliverable

= Final Deliverable

= TAC Meeting





### Public Meeting No. 1

**Open House Format** 

**Comment Form/Handout** 

1" = 100' SH 249 Roll Plot

Please give us your input on the comment form and on the roll plot.



### **Project Purpose**

# Identify Short-, Medium-, and Long-Range Transportation Improvements to Enhance:

- Traffic Flow
- Safety
- Quality of Life
- Regional Connectivity



### **Potential Study Goals**

Improve <u>mobility and safety</u> for all transportation modes

Develop a <u>uniform access</u> <u>management strategy</u> for the corridor

Identify <a href="low-cost/implementable">low-cost/implementable</a> short-term solutions

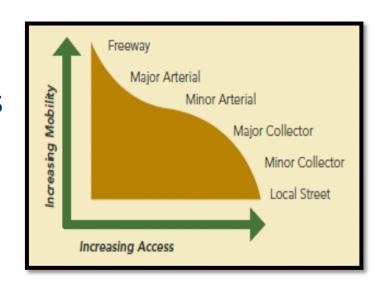
Develop <u>innovative long-term</u> <u>transportation strategies</u> to enhance corridor and regional connectivity



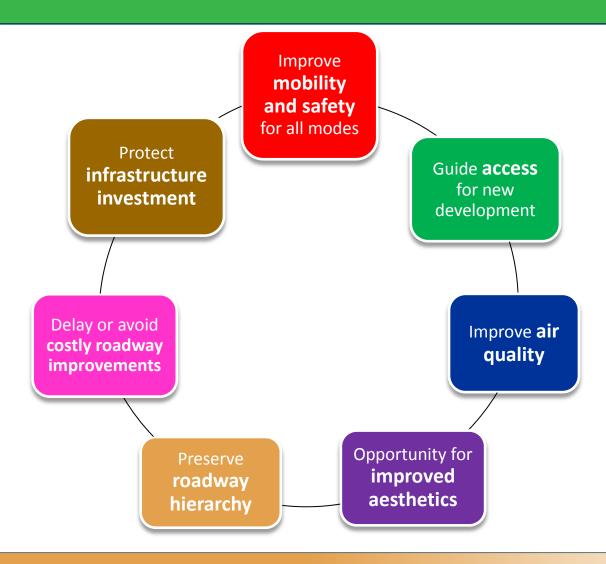
### What is Access Management?

### **Transportation strategy to:**

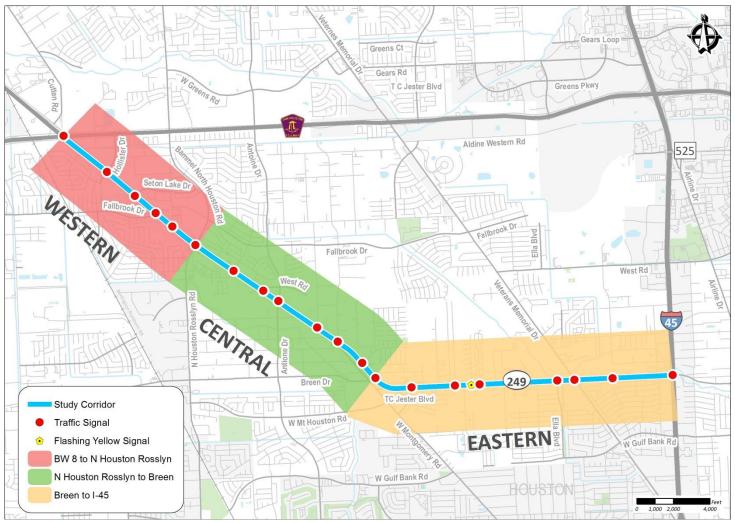
- Control <u>access</u> between roadways and land uses
- Help shape corridor <u>development</u>
- Improve <u>safety</u> for all road users
- Maximize roadway <u>capacity</u>



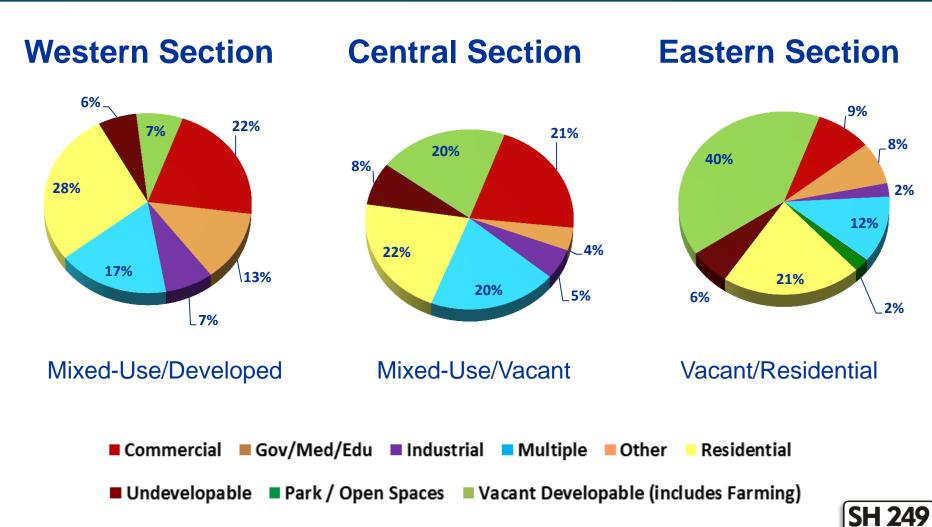
### **Access Management Benefits**



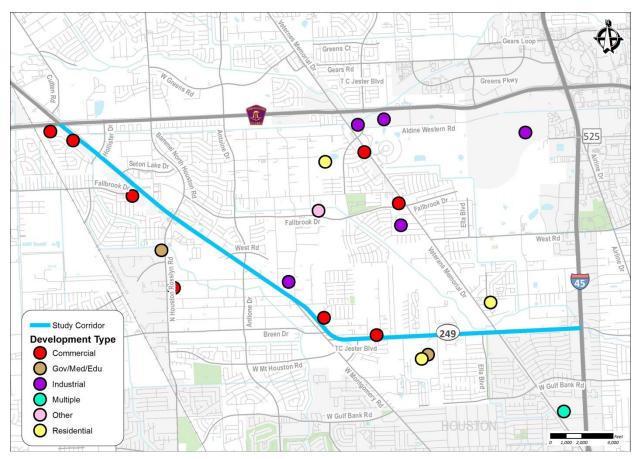
### **Study Corridor**



### Land Use By Section



### **Major Planned Developments**



#### Commercial – 68 Acres (10)

- Commercial Reserves at Blue Creek
- Four Seasons Business Park
- Tex Mex One Property

#### Gov/Med/Educ - 61 Acres (4)

- Aldine ISD Drew Academy
- Pine Valley Development

#### Industrial – 998 Acres (4)

- Pinto Business Park
- Future Pipe Industries

#### Multiple – 11 Acres (1)

DPS North

#### Residential – 48 Acres (4)

- Blue Bell Place
- Maple Ridge Place

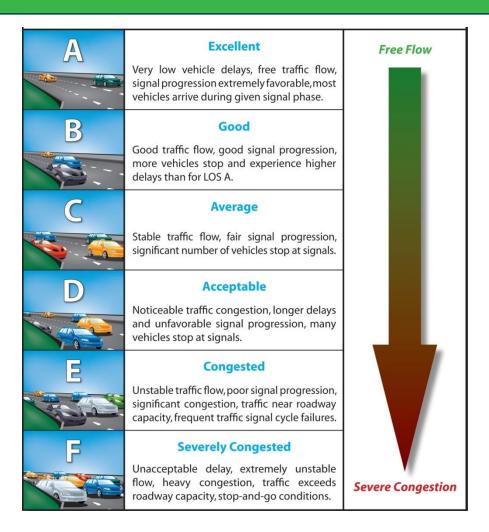
#### Other - 25 Acres (1)

Fallbrook RV Resort

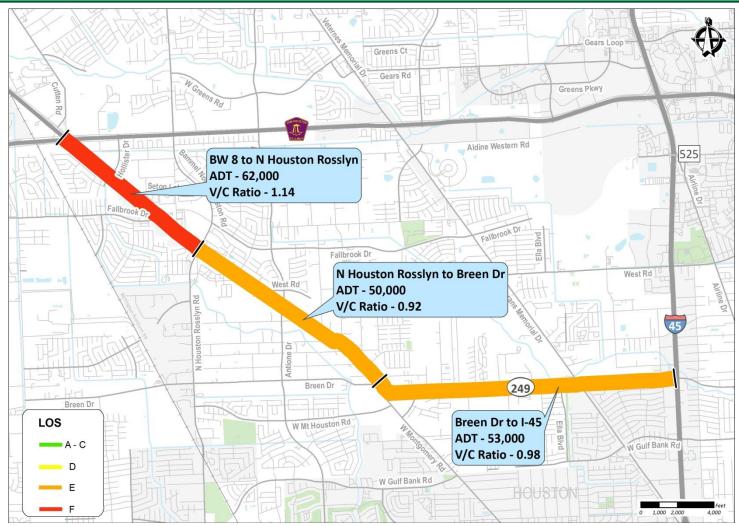
## **Roadway Characteristics**

Characteristics	Western Section BW 8 to N Houston Rosslyn Rd	Central Section N Houston Rosslyn Rd to Breen Dr	Eastern Section Breen Dr to I-45
Length (miles)	1.8	2.3	3.1
Number of Travel Lanes	6	6	6
Right-of-Way (feet)	180' – 290'	180′	130' – 180'
Speed Limit (mph)	50	50	45-50
Daily Traffic Volumes	62,000	50,000	53,000
Truck Percent	12%	12%	6%
Signalized Intersections	5	7	8
Unsignalized Intersections	2	5	9
Total Driveways	77	88	81
Driveway Density per Mile	44	38	26

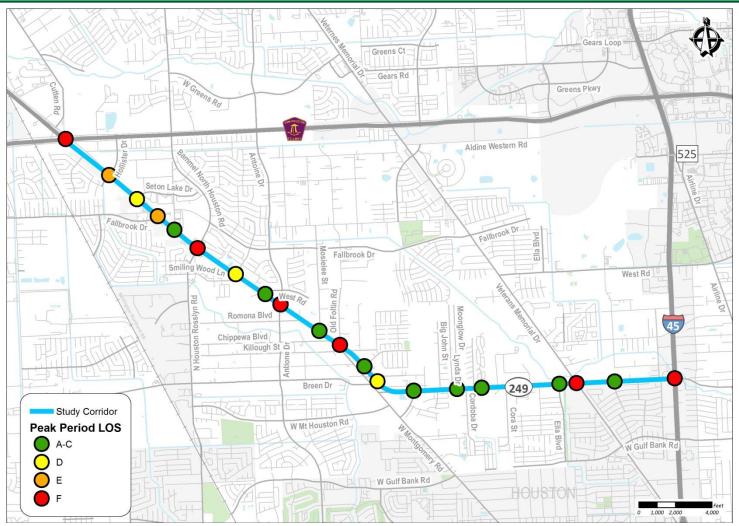
### Level-of-Service



### Peak Period Level-of-Service



### **Peak Period Intersection LOS**



### Signalized Intersection Spacing

Study Sections	Distance Between Signalized Intersections
Western Section  Beltway 8 to	1,200 feet to 3,100 feet
N Houston Rosslyn Road  Central Section  N Houston Rossyln Road to  Breen Drive	1,100 feet to 2,600 feet
<b>Eastern Section</b> Breen Drive to I-45	500 feet to 4,200 feet

Note: 2,640 feet is the desirable spacing between signalized intersections.

# Driveways/Sidewalks

Study Sections	Length (mi)	Eastbound Driveways	Percent Sidewalks	Westbound Driveways	Percent Sidewalks	Driveway Density
Western Section Beltway 8 to N Houston Rosslyn Road	1.8	55	0.3%	38	3%	52
Central Section  N Houston Rossyln Road to Breen Drive	2.3	50	1%	55	0.1%	46
<b>Eastern Section</b> Breen Drive to I-45	3.1	64	7%	74	0.7%	45

Note: Desirable spacing is 22 driveways per mile.

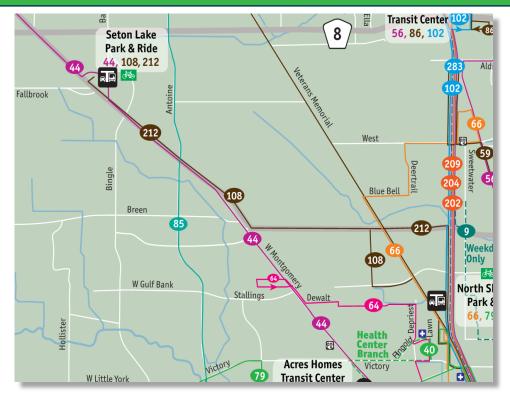
### **Transit Characteristics**

#### Bus Routes – 6

- Route 44 Acres Homes Limited
- Route 64 Lincoln City Circulator
- Route 66 Yale
- Route 85 Antoine Limited
- Route 108 Veterans Memorial
- Route 212 Seton Lake

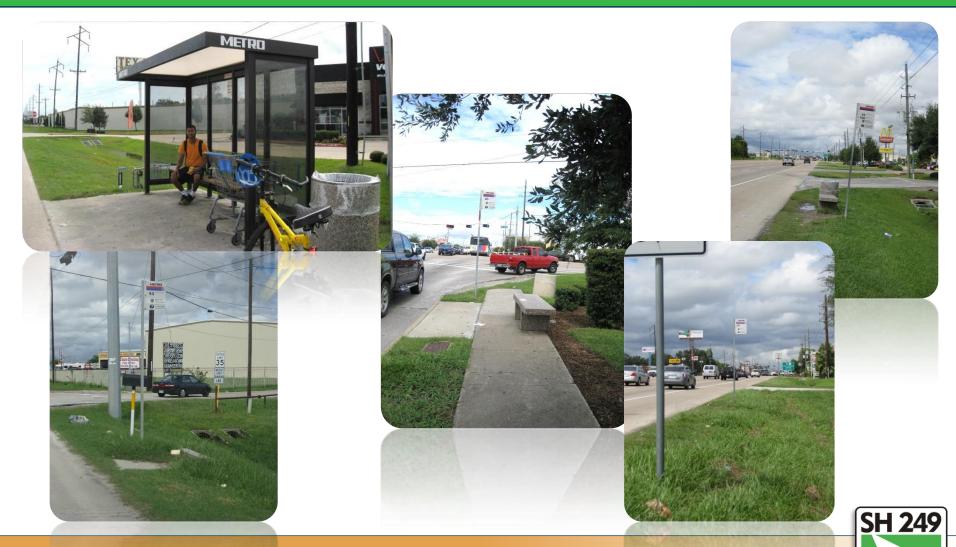
#### Bus Stops – 32

- Western Section 15
- Central Section 14
- Eastern Section 3



Transit Center / Park & Ride	Routes	Boardings	Alightings
Seton Lake Park & Ride	44, 108, 212	762	731
Acres Homes Transit Center	40, 44,64, 79	408	325
North Shepherd Park & Ride	66, 79, 108	611	569

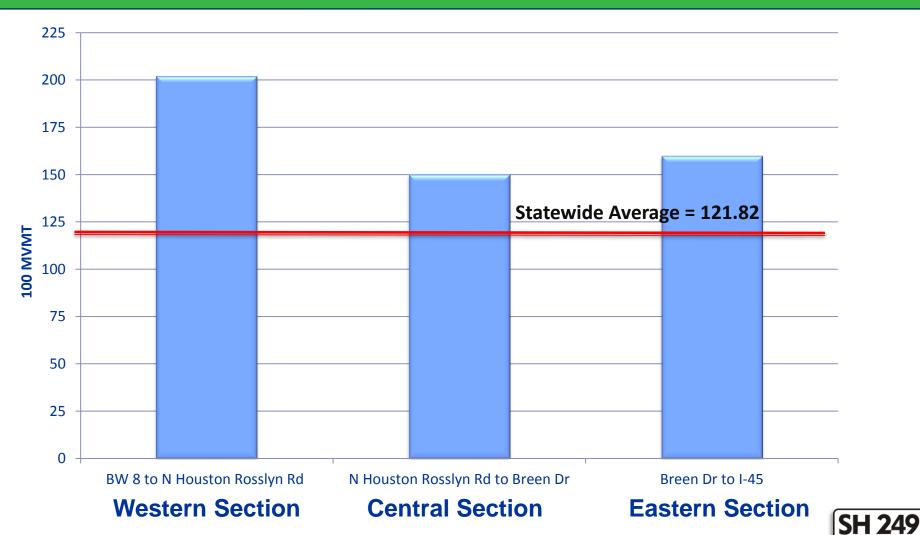
# **Bus Stop Characteristics**



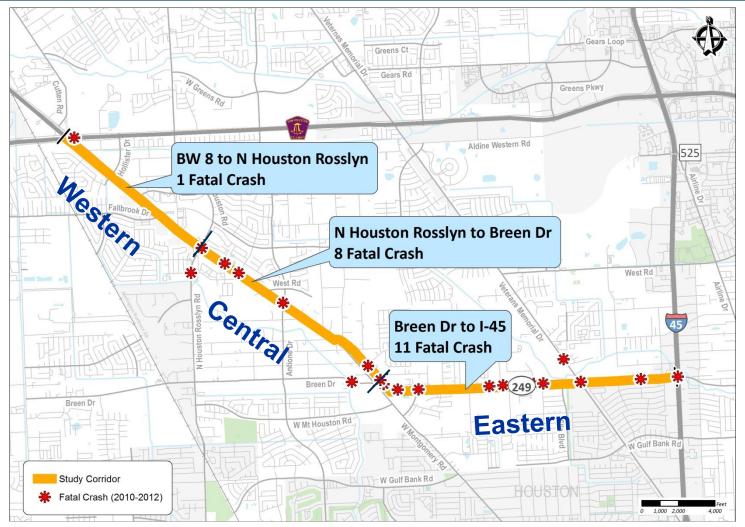
# **Drainage Inventory**

	Eastbound		Westbound	
Section	Open Ditch (ft)	Curb and Gutter (ft)	Open Ditch (ft)	Curb and Gutter (ft)
<b>Western Section</b>				
Beltway 8 to	8,200	1,200	6,900	2,500
N Houston Rosslyn Road				
<b>Central Section</b>				
N Houston Rosslyn Road	12,300	0	12,300	0
to Breen Drive				
<b>Eastern Section</b>	10.700	6 200	10.700	6 200
Breen Drive to I-45	10,700	6,200	10,700	6,200

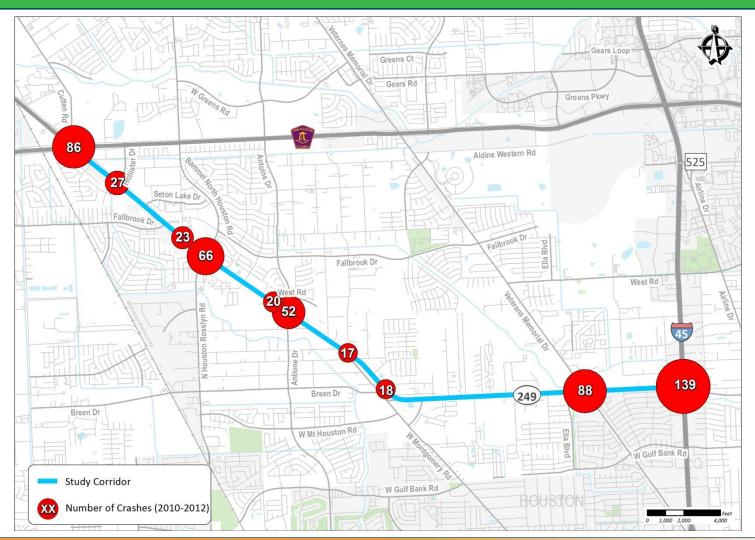
### Crash Rate (2010-2012)



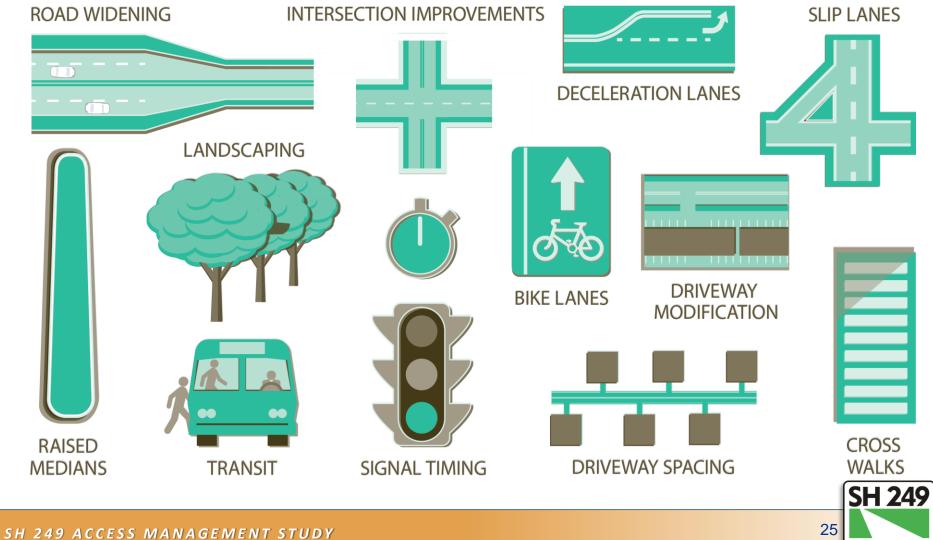
### Fatal Crashes (2010-2012)



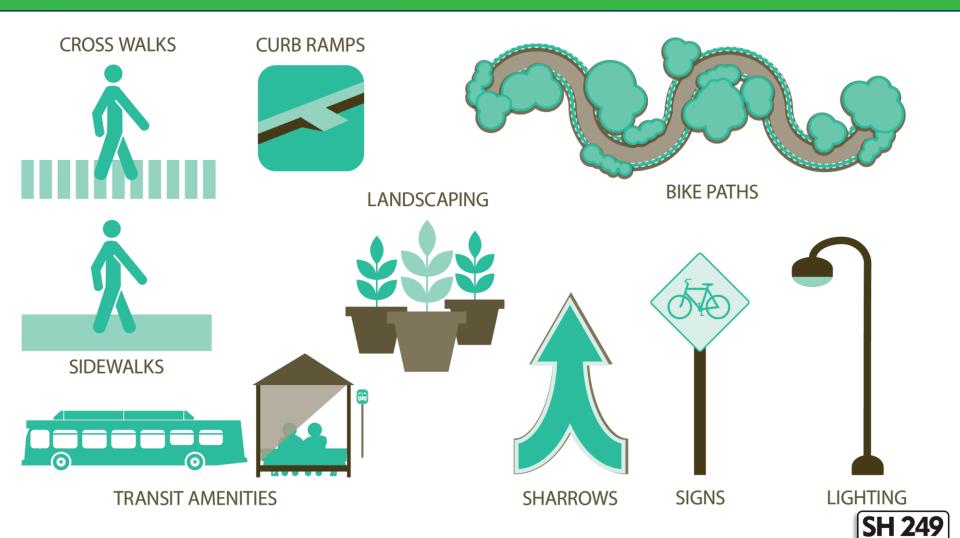
### **Top 10 High Crash Intersections**



### **Access Management Toolbox**



## Bicycle/Pedestrian Tools

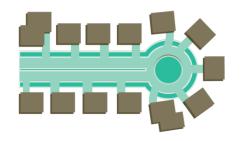


# **Planning Tools**

**URBAN DESIGN** 





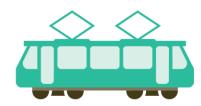


**CAR POOL** 

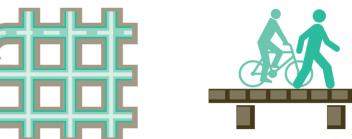
**COMPLETE STREETS** 



**NEW TRANSIT** 



**MULTI-USE PATHS** 







**PARKING** 



STREET NETWORK



**PARK & RIDE** 

### Next Steps...

**Finalize Existing Conditions** 

Early December 2014

**Develop** Recommendations

Late March 2015

**Public Meeting** No. 2

Early April 2015

### **Questions and Answers**

