

St. Louis Avenue Reconstruction Ocean City, Maryland

Ideas Workshop
July 17, 2008



Ideas Workshop Agenda

- Goals
- Scope
- Project Location
- Project Team
- Traffic Count Analysis
- Conceptual Ideas
- Schedule
- Public Input – Questions and Comments

St. Louis Avenue Reconstruction

Project Goals

- Improve the pavement, aesthetics, key intersections (1st and 17th), and pedestrian safety.

Project Scope

- Repairs and replacement of water mains, sanitary sewer mains, and storm drains. New pavement restoration.
- Consideration for wider sidewalks, new street lighting, landscaping, utility under-grounding, bicycle lane modifications, and traffic calming

St. Louis Avenue Reconstruction

Project Location – see aerial

- St. Louis Avenue from North Division Street to 17th Street with the exception of the block between 3rd and 4th Streets
- Side streets generally go to the west to the Bay, with the exception of 14th and 15th Streets which go to the west side of Jacqueline Avenue
- Side streets generally extend to the east approximately to the length necessary to make a smooth transition, with the exception of 17th Street which extends to Philadelphia Avenue

Project Team - Consultants

- Bayside Park (3rd to 4th Streets) – Slater & Associates
- Utilities – Whitman, Requardt & Associates
- Street and Sidewalks – George, Miles & Buhr
- Traffic – The Traffic Group

St. Louis Avenue Reconstruction

Traffic Count Analysis

Friday Evening Peak Hour		
	Time	Volume
Vehicles	7:30–8:30 PM	277
Peds	7:15–8:15 PM	57
Bicycles	6:30–7:30 PM	29



North St. Louis Avenue

North 1st Street

Saturday Mid-Day		
	Time	Volume
Vehicles	4:45–5:45 PM	323
Peds	3:30–4:30 PM	104
Bicycles	4:30–5:30 PM	36



St. Louis Avenue Reconstruction

Traffic Count Analysis

Friday Evening Peak Hour		
	Time	Volume
Vehicles	6:00–7:00 PM	309
Peds	7:30–8:30 PM	69
Bicycles	6:30–7:30 PM	26



North St. Louis Avenue

2nd Street

Saturday Mid-Day		
	Time	Volume
Vehicles	4:45–5:45 PM	383
Peds	6:00–7:00 PM	69
Bicycles	5:00–6:00 PM	29



St. Louis Avenue Reconstruction

Traffic Count Analysis

Friday Evening Peak Hour		
	Time	Volume
Vehicles	7:15–8:15 PM	340
Peds	7:00–8:00 PM	62
Bicycles	7:00–8:00 PM	26

Saturday Mid-Day		
	Time	Volume
Vehicles	5:30–6:30 PM	360
Peds	6:00–7:00 PM	79
Bicycles	5:00–6:00 PM	22



St. Louis Avenue Reconstruction

Traffic Count Analysis

Friday Evening Peak Hour		
	Time	Volume
Vehicles	6:45–7:45 PM	293
Peds	7:30–8:30 PM	38
Bicycles	7:30–8:30 PM	32

Saturday Mid-Day		
	Time	Volume
Vehicles	4:45–5:45 PM	369
Peds	5:15–6:15 PM	83
Bicycles	5:45–6:45 PM	80



St. Louis Avenue Reconstruction

Traffic Count Analysis

Friday Evening Peak Hour		
	Time	Volume
Vehicles	7:30–8:30 PM	353
Peds	7:30–8:30 PM	32
Bicycles	6:00–7:00 PM	21

9th Street

North St. Louis Avenue

Saturday Mid-Day		
	Time	Volume
Vehicles	6:00–7:00 PM	361
Peds	5:30–6:30 PM	40
Bicycles	5:45–6:45 PM	21



St. Louis Avenue Reconstruction

Traffic Count Analysis

Friday Evening Peak Hour		
	Time	Volume
Vehicles	7:15–8:15 PM	338
Peds	6:15–7:15 PM	42
Bicycles	6:30–7:30 PM	25

Saturday Mid-Day		
	Time	Volume
Vehicles	4:15–5:15 PM	344
Peds	3:30–4:30 PM	121
Bicycles	3:30–4:30 PM	38



St. Louis Avenue Reconstruction

Traffic Count Analysis

Friday Evening Peak Hour		
	Time	Volume
Vehicles	7:15–8:15 PM	342
Peds	7:30–8:30 PM	79
Bicycles	7:15–8:15 PM	37



North St. Louis Avenue

15th Street

Saturday Mid-Day		
	Time	Volume
Vehicles	5:15–6:15 PM	456
Peds	4:30–5:30 PM	88
Bicycles	5:00–6:00 PM	44



St. Louis Avenue Reconstruction

Traffic Count Analysis

Friday Evening Peak Hour		
	Time	Volume
Vehicles	7:30–8:30 PM	324
Peds	No Count	" "
Bicycles	6:00–7:00 PM	9



17th Street

North St. Louis Avenue

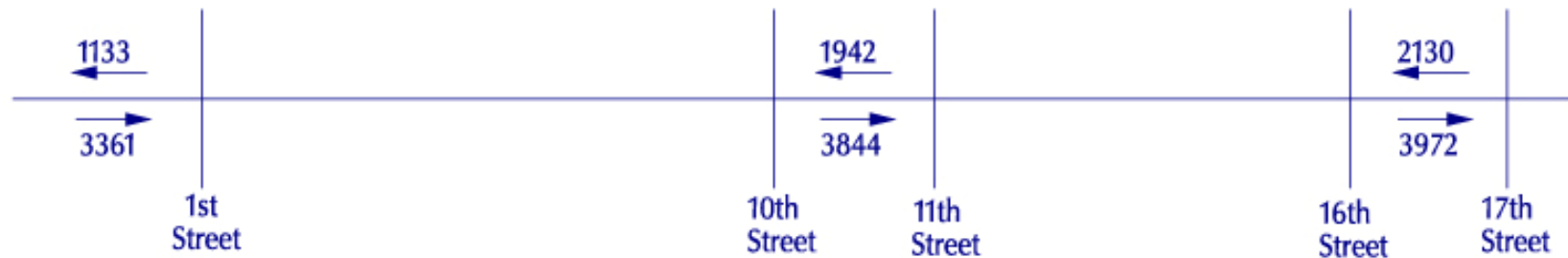
Saturday Mid-Day		
	Time	Volume
Vehicles	5:15–6:15 PM	369
Peds	No Count	" "
Bicycles	5:15–6:15 PM	14



St. Louis Avenue Reconstruction

St. Louis Avenue
Saturday June 20, 2008
24 Hour Vehicular Count

Traffic Count Analysis



St. Louis Avenue Reconstruction

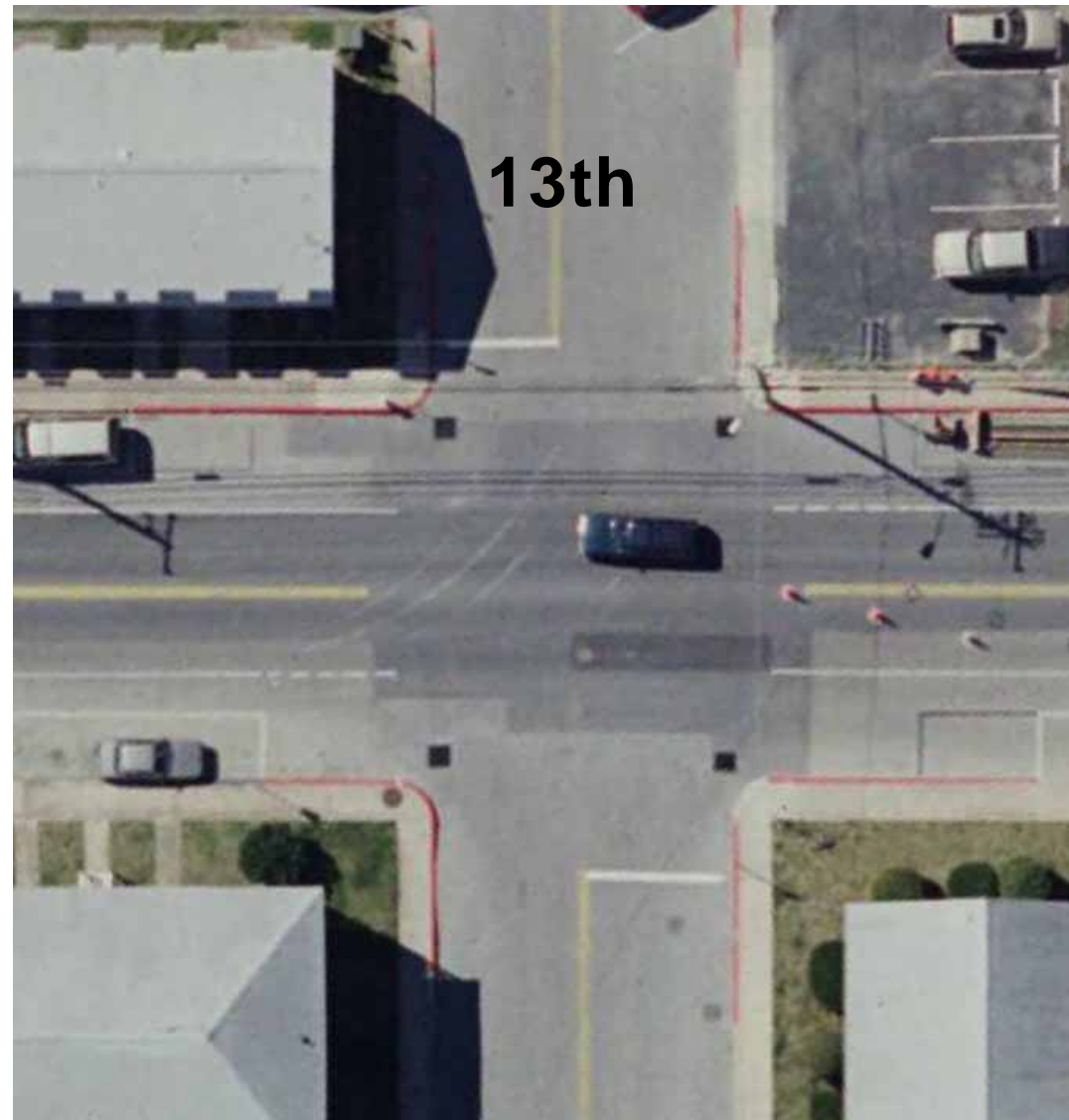
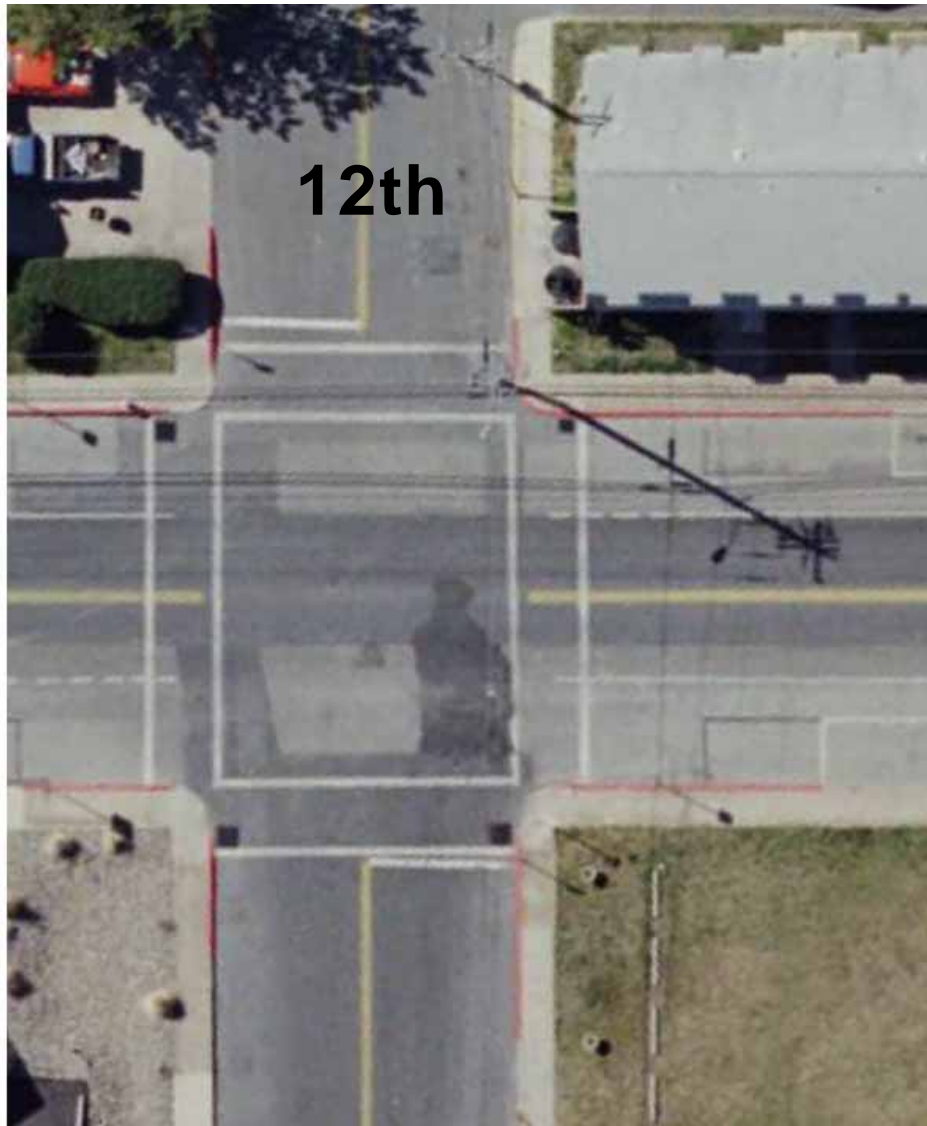
Conceptual Design Ideas

- Traffic Calming using visual features
 - Bump outs
 - Crosswalks
 - Traffic Circles
- Shared Bicycle Lanes (hybrid lanes)
- Direct Pedestrian flow by having different intersection configurations for intersections that connect to traffic signals on Philadelphia Ave versus ones that do not
 - Signals on Philadelphia Ave include 1st, 2nd, 5th, 8th, 12th, 15th, and 17th Streets.
- 1st Street Intersection layouts



St. Louis Avenue Reconstruction

Existing Conditions

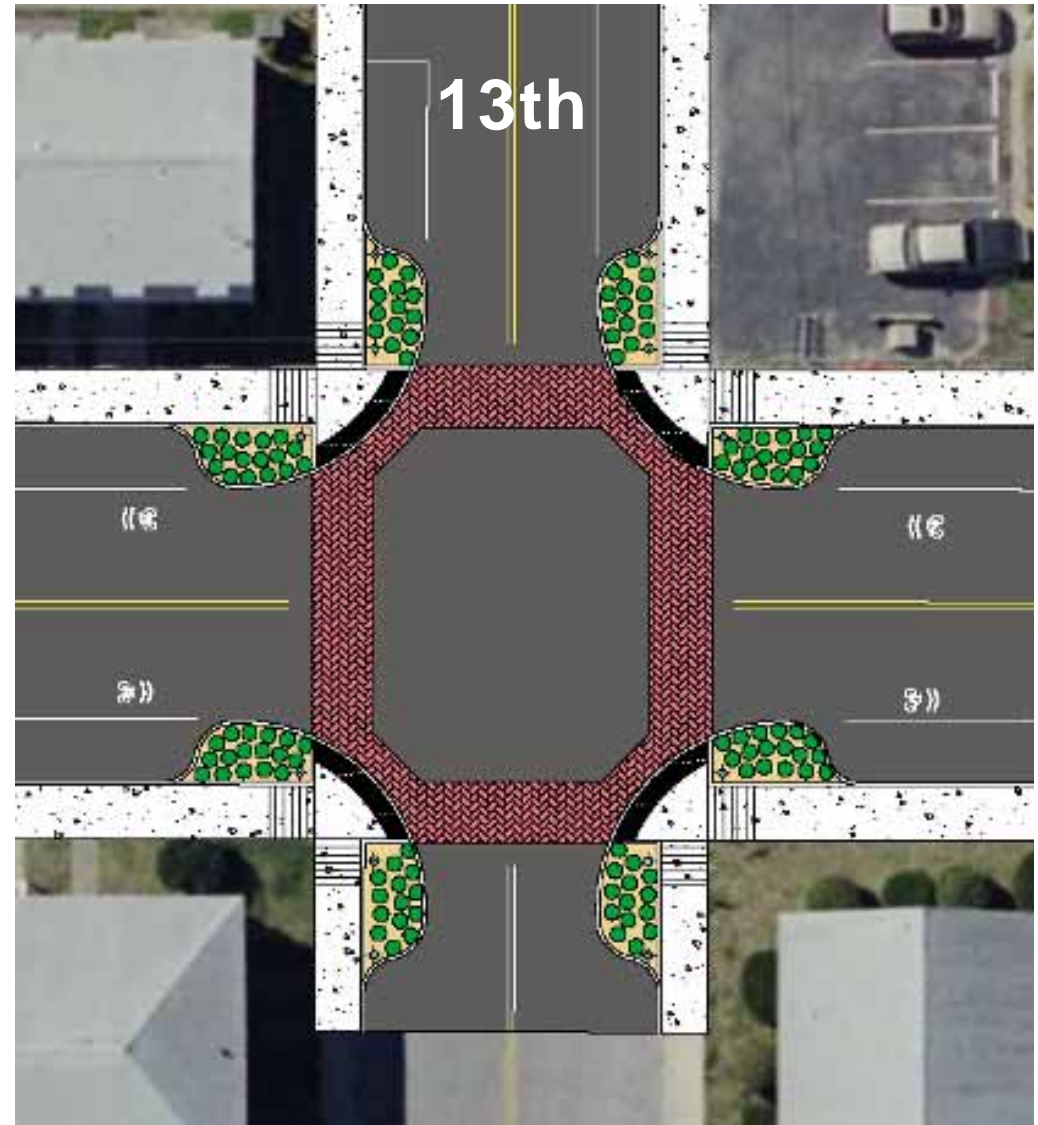
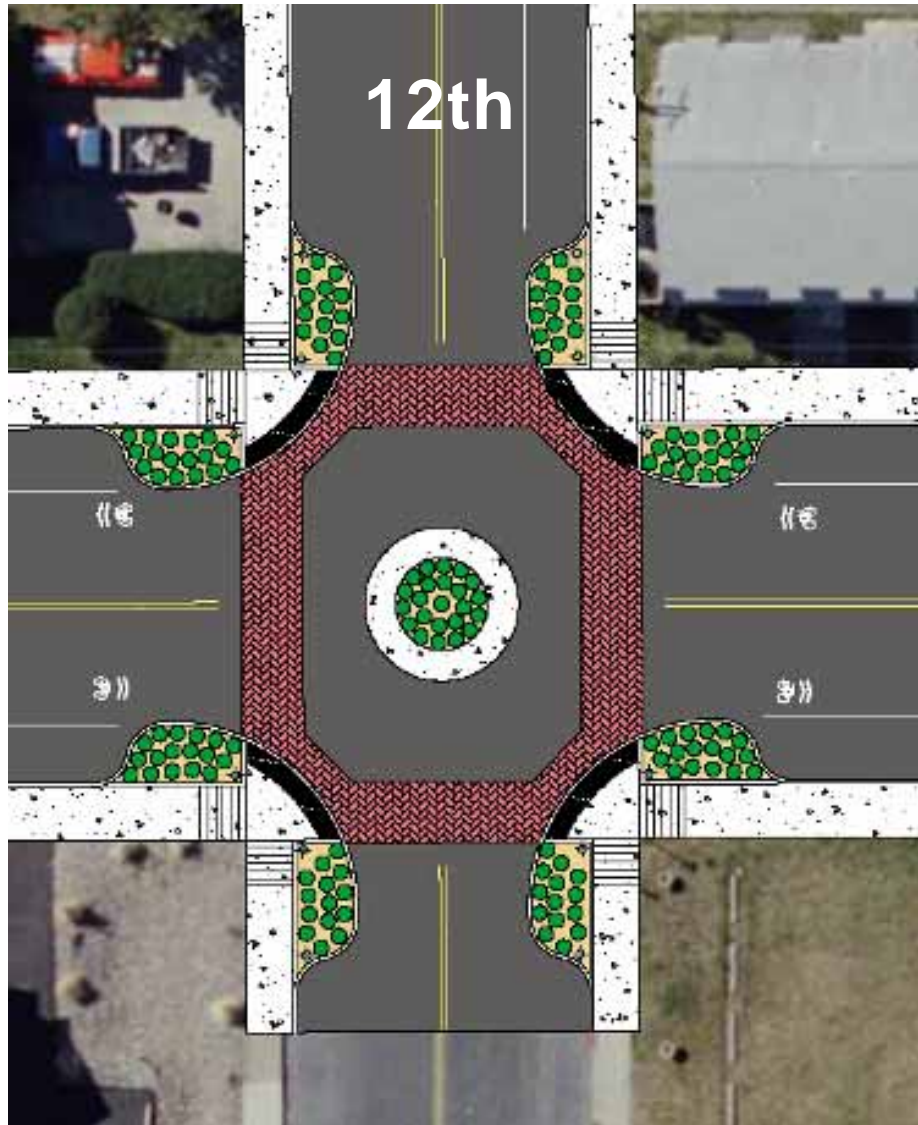


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St. Louis Avenue Reconstruction

B1

Conceptual Ideas



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St. Louis Avenue Reconstruction

B2

Conceptual Ideas

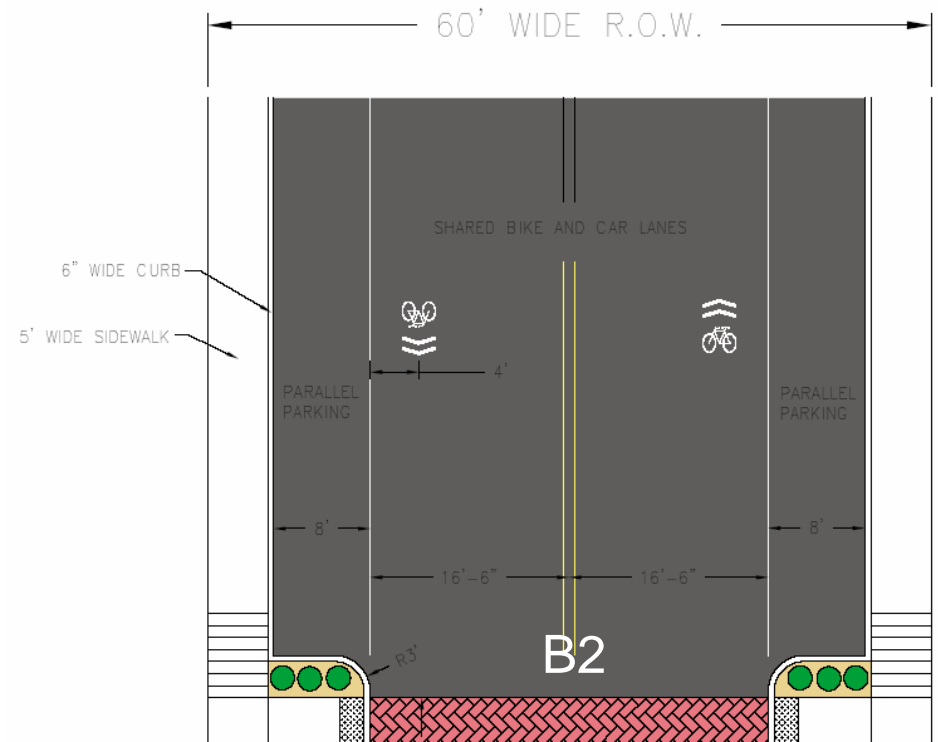
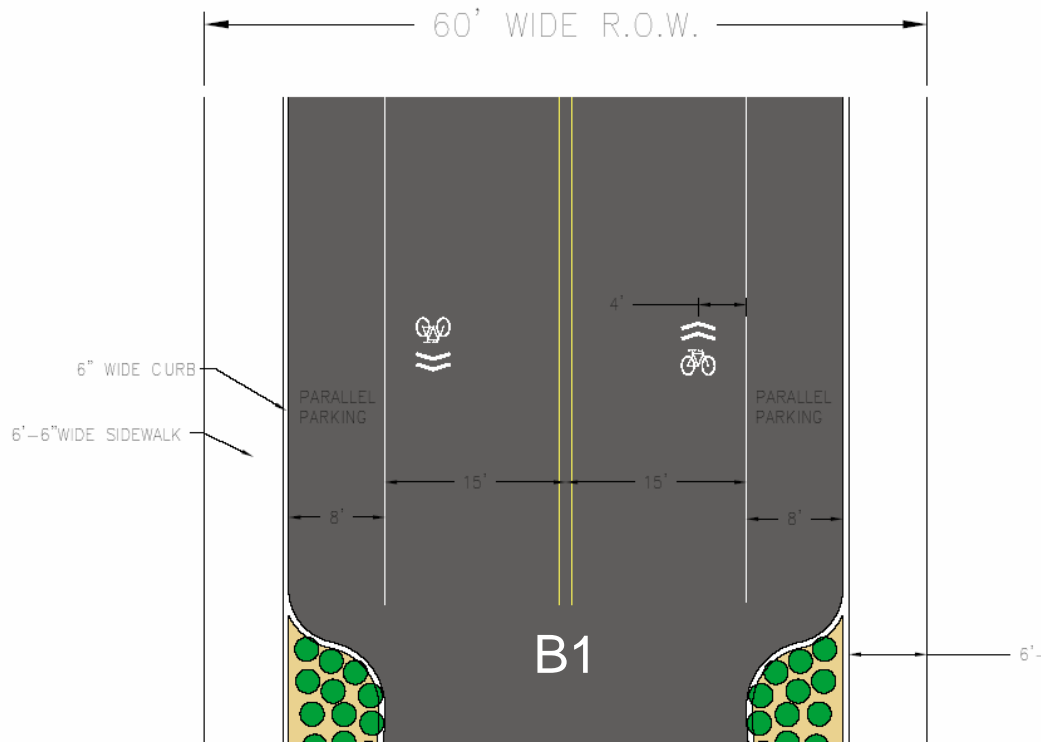
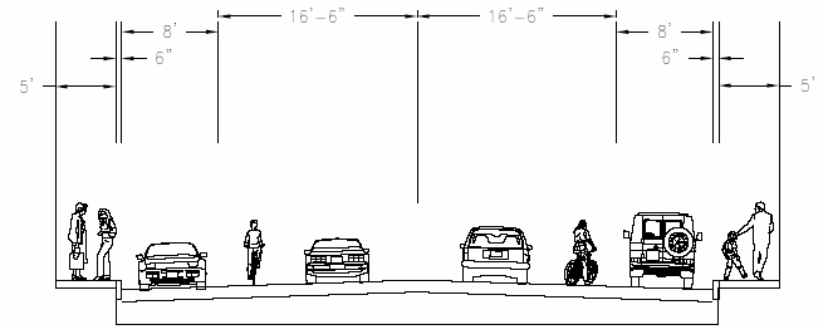
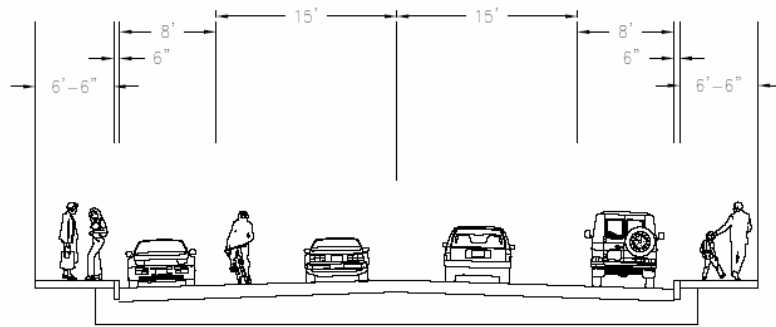


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St. Louis Avenue Reconstruction

S1

Conceptual Ideas

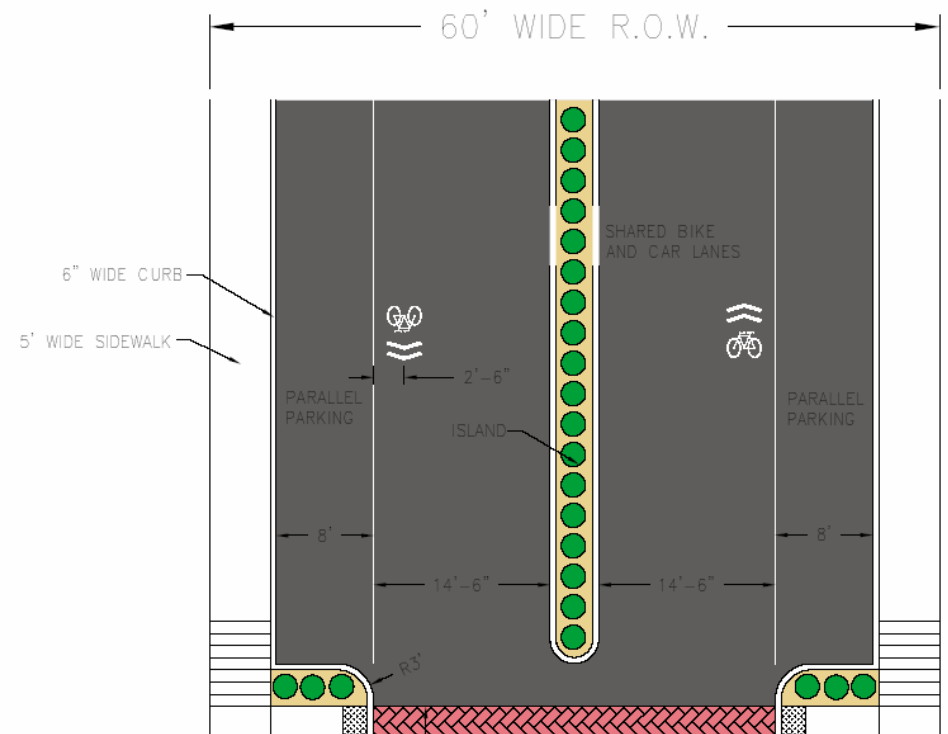
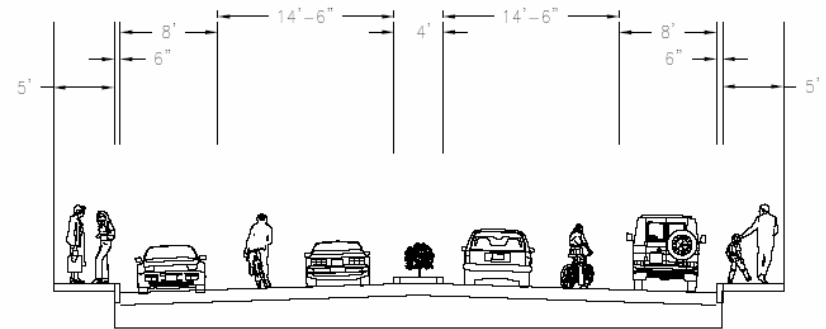
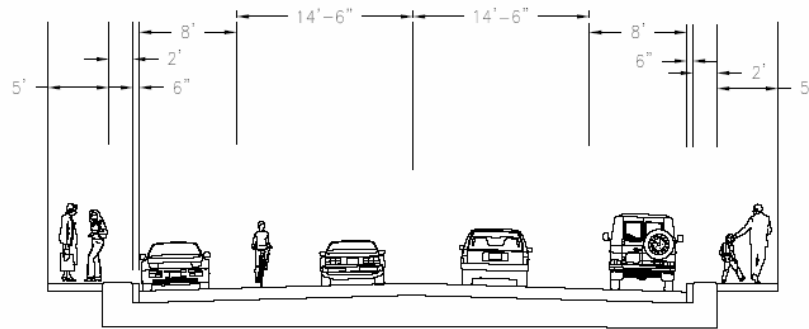


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St. Louis Avenue Reconstruction

S2

Conceptual Ideas



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St. Louis Avenue Reconstruction

1st Street Intersection – Existing Conditions



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St. Louis Avenue Reconstruction

A1

Conceptual Ideas

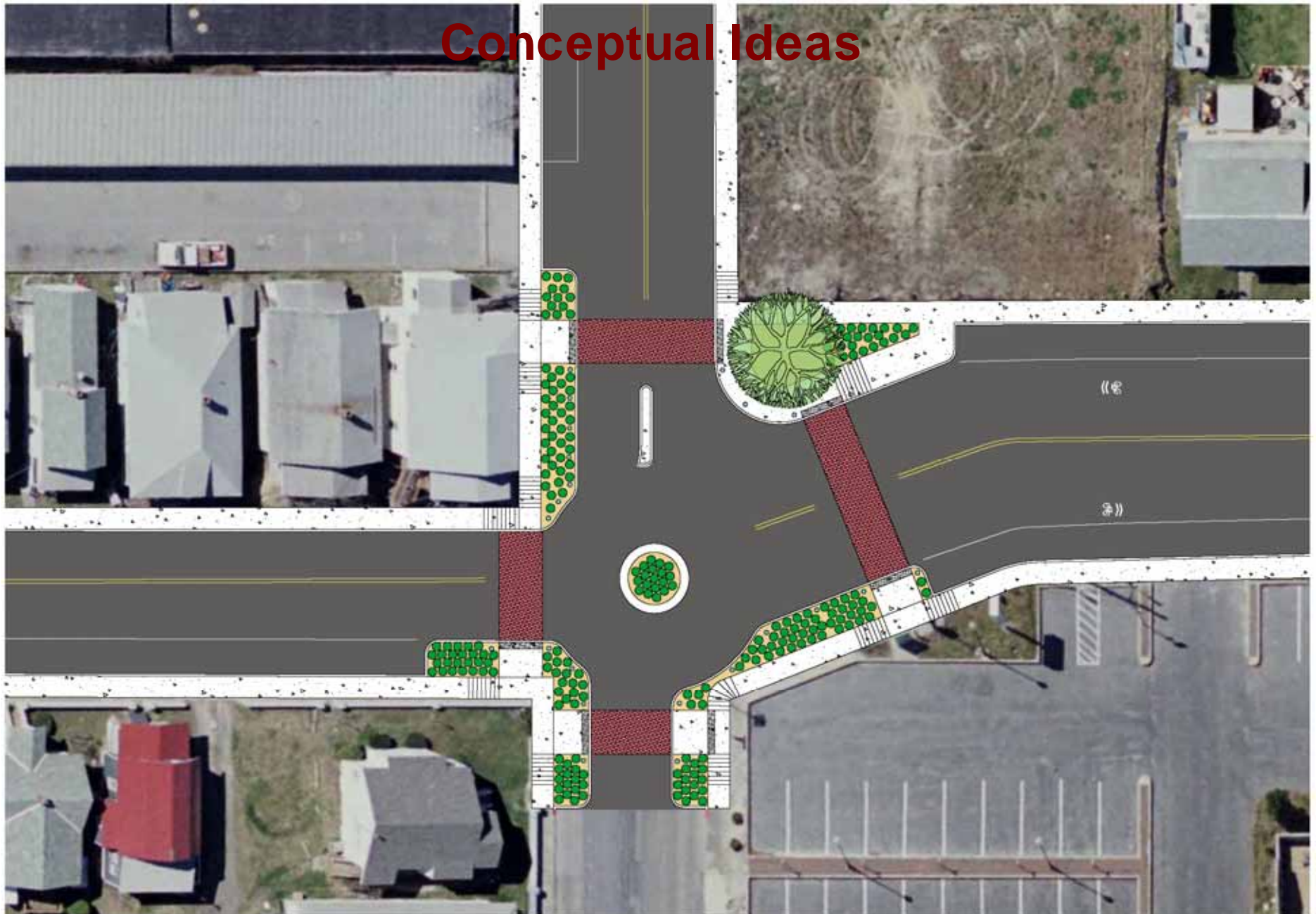


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St. Louis Avenue Reconstruction

A2

Conceptual Ideas

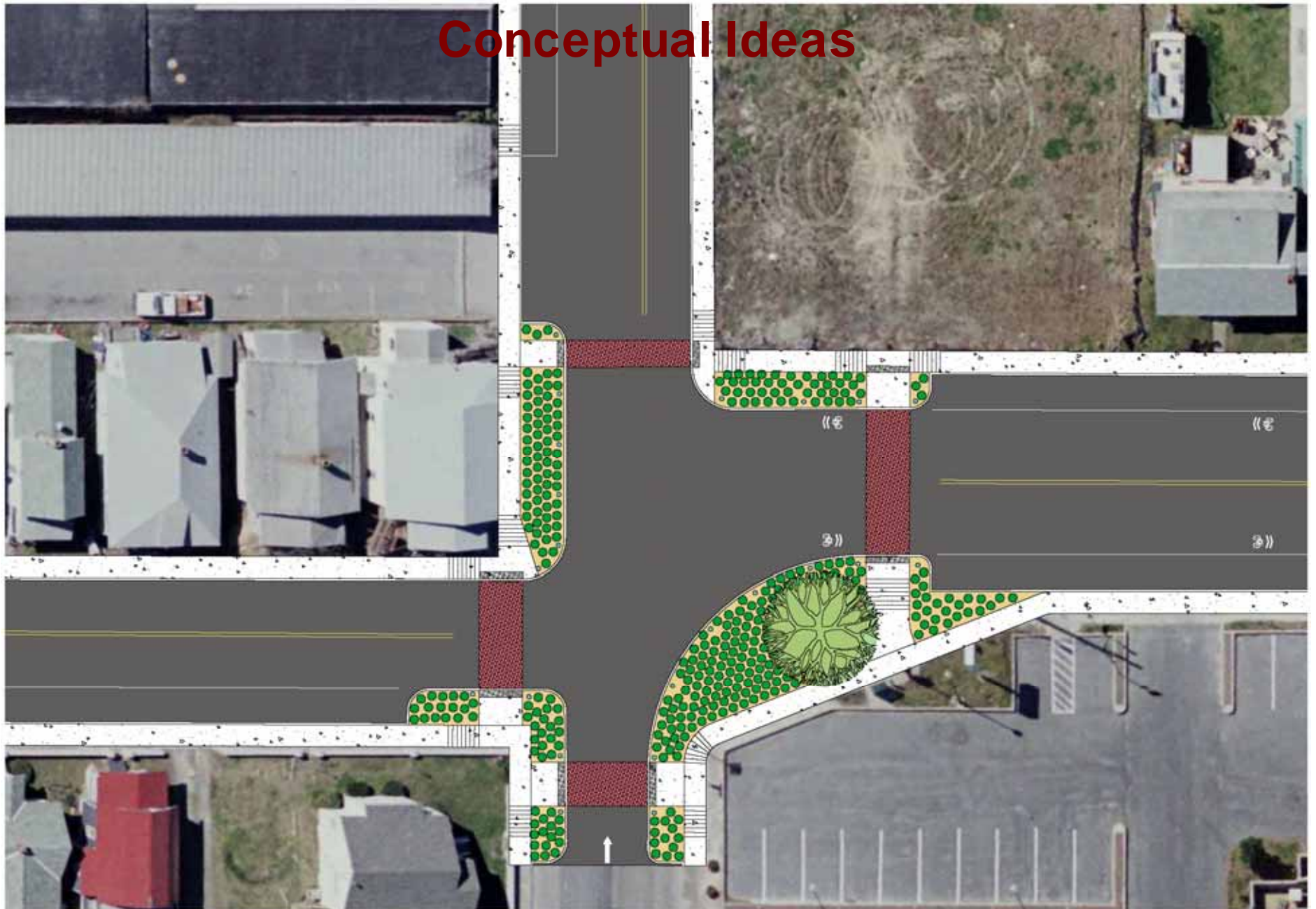


George, Miles & Buhr

St. Louis Avenue Reconstruction

A3

Conceptual Ideas



George, Miles & Buhr

St. Louis Avenue Reconstruction

Schedule

- Ideas Workshop – Thursday, July 17, 2008
- Conceptual Design – thru August 2008
- Present Conceptual Design at Public Workshop – September 2008
- Final Design – October 2008 thru May 2009
- Present Final Design at Public Workshop – May 2009
- Construction Bidding – Summer 2009
- Begin Construction – September 2009

Public Input – Questions & Comments

Items to consider:

- Improvements you would like to see
- Existing Problems
- Conceptual Design Ideas
- Traffic Calming
- Pedestrian and Bicycle Use
- Schedule

Thank you for participating.