Monroe Street Stormwater, Landscaping and Parking

August 11, 2016
N. Monroe Project Advisory Board

Position 1
N. Monroe Business Owner
Legacy
Ed Ardiss

Position 2
N. Monroe Business Owner
New/Emerging
Brianna Musser

Position 3
N. Monroe Property Owner
Dale Westhaver

Position 4
Emerson/Garfield Neighborhood
E.J. Ianelli

Position 5
Neighborhood Resident
Megan Kennedy

Position 6
North Hill Neighborhood
Michael Trautman

Position 7
At Large
Chris Bornhoft

Position 8
West Central Rep
Mike Wallace

Position 9
Business Owner From Riverside
Jill Leonetti

City Council District 3
Council Member
Karen Stratton

City Council District 3
Council Member
Candace Mumm
Review of Questions (7-13-2016)

**TRANSIT**
- High Performance Transit Network
- ADA & Bicycles
- Transit Meeting with STA in September

**TRAFFIC**
- Level of Service (LOS)
- Residential traffic impact
- Snow Removal
- Emergency Response Vehicles
- Garbage Trucks
- Traffic Operations Meeting in August
Review of Questions (7-13-2016)

OTHER

• Underground Utilities
• Checking with Avista
• City Investment
• ~$2.5 million
• Housing – Centers & Corridors designation calls for housing to support commercial corridor
• Water/Sewer Infrastructure – In good shape generally, but water main work at south end, laterals are opportunity based
Stormwater MS4 System

MS4 = Municipal Separated Storm Sewer System

Discharges pollutants directly to the Spokane River

Historic view of the river as a place to send waste
Spokane’s Integrated Clean Water Plan

Clean River, Faster

- More stormwater to River than CSOs
- Stormwater key to River health
- Commitment to eliminate stormwater when rebuilding streets
Current Stormwater Standard

Clean and Infiltrate
Stormwater Options (infiltration tools)

- Bio-Infiltration swales
- Trees with Soil Cells
- Permeable Parking Zone
- Cartridge Filtration
Bio-Infiltration

- Treatment Area / Impact Area = HIGH
- Includes decorative landscaping or greenscape (customizable)
- Traffic Calming and Pedestrian Buffer
- Requires regular maintenance and water
- Turf requires frequent maintenance and water
- Trade-off for parking and/or pedestrian space
- Costs $$$$$$$
Bio-Infiltration
Tree with Soil Cell

- Treatment Area / Impact Area = VERY LOW
- Adds green landscaping (trees/shrubs)
- Infiltration area sits below the hardscape
- Traffic Calming and Pedestrian Buffer
- Requires regular maintenance and watering
- Double benefit with on-street parking
- Costs $$$$$$
Tree with Soil Cell
Pervious Concrete Parking

- Treatment Area / Impact Area = VERY LOW
- Infiltration area sits below parking
- No conflict with green space
- Requires regular street maintenance
- Double benefit with on-street parking
- Costs $$$$$
Pervious Parking
Cartridge Filtration

• Treatment Area / Impact Area = VERY LOW
• Looks like conventional stormwater system
• Requires regular utility maintenance
• No overall loss of on-street parking
• Costs $$$$$$
Cartridge Filtration
What do you want?

• Work together to set priorities for the corridor and mix & match option per corridor vision
  ✓ Green Space
    ▪ Extra trees, landscaping, grass?
    ▪ At corners, along blocks?
  ✓ Parking Needs
    ▪ Landscape full or partial length of blocks?
    ▪ Where is parking most important
  ▪ Focus Areas? For landscaping, furniture, lighting?
Visualization
Landscaping Options

All green landscaping requires a functional watering system. Stormwater landscaping will be maintained by City Staff.

• Trees required by SMC
• Additional trees
• Shrubs
• Grasses and flowers
• Hanging baskets
Landscaping Options

Grass Swale

Tree/Shrubs Swale

Pedestrian Light w/Baskets
Landscaping Options
Summary

Where is the focus area?

What level of landscaping is the target?

• More trees
• turf or shrub areas
• amount of parking allowable as trade-off

The City will use this information through the design process to implement the stormwater tools.
Focus Area: Indiana to Montgomery
FOCUS AREA 2

NE Corner of Montgomery and Monroe

Between Montgomery and Mansfield

Between Montgomery and Mansfield

Entering Project Area, Indiana and Monroe (Google Maps Image)

Between Shannon Ave and Knox Ave on Monroe (Google Maps Image)