Information Session
August 27, 2014

Rain to River
Resource Center
Conference Room
Meeting Agenda

1. Project Overview
2. Quality of Life + Quality of Water
3. Sidewalk & Storefront Enhancements
4. 2014 Project Consultations Opportunities
5. 2015 Awards: Customized design & installation
Project Overview of Construction

- Jackson Fox, Environmental Manager
  - Benefits of Complete Streets
  - Design Concept
  - Project Timeline

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Streets are an important part of the livability of our communities. They ought to be for everyone, whether young or old, motorist or bicyclist, walker or wheelchair user, bus rider or shopkeeper.

Now, in communities across the country, a movement is growing to complete the streets. States, cities and towns are asking their planners and engineers to build road networks that are safer, more livable, and welcoming to everyone.

Instituting a Complete Streets policy ensures that transportation planners and engineers consistently design and operate the entire roadway with all users in mind – including bicyclists, public transportation vehicles and riders, and pedestrians of all ages and abilities.
Complete Streets Benefits

Green infrastructure projects incorporate a living landscape that balances the needs of our community and our watershed. The Complete Streets conceptual design will reduce lanes of traffic and widen sidewalks on Cushman and Barnette, creating a more pedestrian friendly corridor. This will also allow for projects that enhance downtown businesses and reduce storm water run-off from entering the Chena River.

Safety: designing the street with pedestrians in mind.

Health: encouraging bicycling and walking is complete streets.

Economic: communities become safer, more attractive, and provide more transportation choices, local economies thrive and land values rise.

Environment: a reduction in storm water run off and emissions.
Cushman Street – Existing Condition (3 lanes)
Design Concept
Project Timeline

**Summer 2011**
Hired Consultant to Develop Design Concepts & Complete Traffic Study

**Winter 2011**
Project Steering Committee Meetings

**Summer 2012**
City Council Work Session, Neighborhood Meeting, & Public Meeting

**2013**
Project put on Hold until South Cushman was Designed & Constructed

**2014**
Design Progressing for 2015 Construction
NO DUMPING

DRAINS TO RIVER
Water Quality & Quantity

- Chandra McGee,
  - Stormwater 101
  - What the pollutants are
  - How rain moves pollutants to river
  - Benefits of Green Infrastructure

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Stormwater

- Runoff that collects pollutants as it flows over the ground.

- Pollutants of concern include sediment, petroleum products, nutrients, bacteria and trash.
Green Infrastructure

- GI uses vegetation, soils and natural processes to manage water and create a healthier environment.

- GI can be either engineered or use existing natural systems – the methods are designed to soak up, clean, and store water.

- On a larger scale, GI provides habitat, flood protection, cleaner air and cleaner water.
Green Infrastructure

- Rain barrels
- Rain gardens
- Infiltration planters
- Green roofs
- Permeable pavers
- Grass protection mesh
- Vegetated swales
- Tree pits

www.FairbanksGIG.com
So instead of this

Do this
Instead of this
In summary - Common Themes

- Having “green” in the middle of a city isn’t anything new
- Green represents value
- Re-establishing green is expensive
Existing Examples Downtown

Tree’s that can filter runoff

Drains that guide water to landscape
Existing Examples Downtown

Runoff directed towards roots instead of roads

Attractive enhancement with stabilized landscaping
Existing Examples Downtown

Runoff directed towards roots instead of roads
Cushman Street – Existing Condition
Next Steps for Fairbanks
Project Opportunities

- Lissa Hughes, Green Infrastructure Project Manager
- Program Overview (TVWA + DEC + City)
- 2014 Customized Consultations
- 2015 Awards: design & installation

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Program Overview

- Tanana Valley Watershed Association has received funding to promote these types of project with the Complete Streets Renovation. We proactively sought funding to incorporate the installation of these enhancements in conjunction with the city’s construction project.
Consultations & Cost

1st: We will schedule a time to assess your location in Autumn 2014
2nd: We will recommend projects suitable
3rd: You will commit to maintain the installation
4th: We will apply for 2015 funding in February
5th: We will let you know if your project was selected
6th: We will schedule installation based on construction plans
7th: We will put your project on the Green Infrastructure Map

At this time, TVWA anticipates covering the cost of all projects with 100% grant funding – through Alaska Department of Environmental Conservation’s - Alaska Clean Water Actions grants
Schedule your consultation

Sign up today with Tanana Valley Watershed
Thank you for taking the time to learn about this project!