



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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Complete Streets 101

National Complete Streets Coalition:

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 LITTERING
NO CAMPING
NO DRUGS
NO ALCOHOL

Water Quality & Quantity

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



chandra.mcgee@alaska.gov

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



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Cal Anderson Park, Seattle





So instead of this



Do this



Instead of this

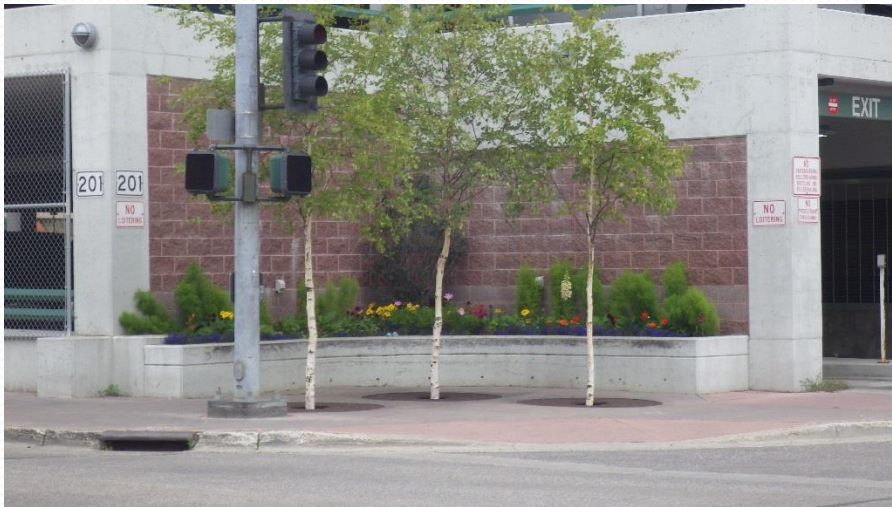


Do this

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



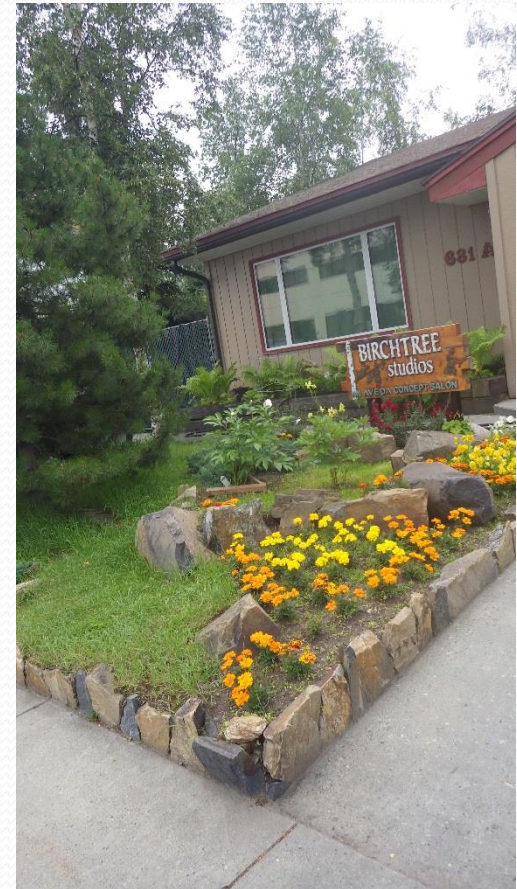
Tree's that can filter runoff



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

Lissa.TVWA@gmail.com



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.

Green Design

Complete Streets

Cushman • Barnette • Noble

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!**