



COAL CREEK UPSTREAM OF McCASLIN BOULEVARD

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April 4, 2013
Community Meeting

Project Area Overview

- Study area is along Coal Creek from the railroad embankment to McCaslin Blvd.

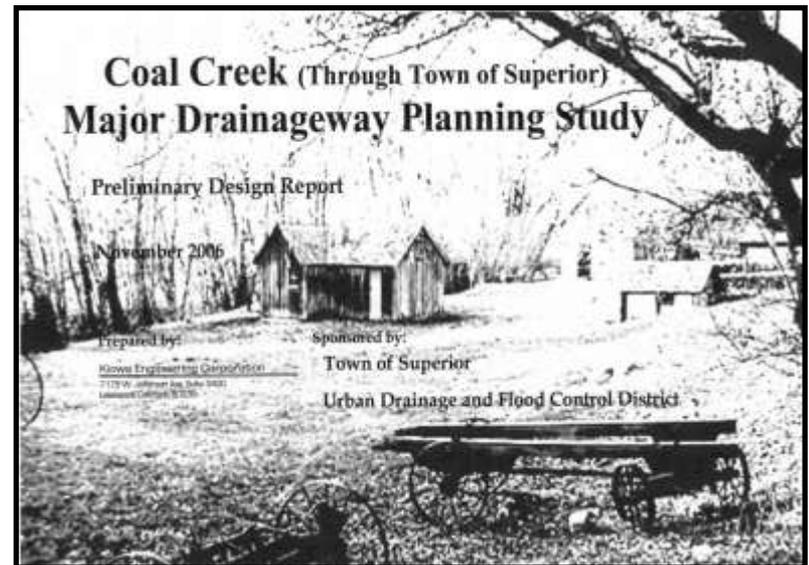
- Key Features:

- Bridge embankment
- Roadway bridges
- Development in the 100-year floodplain

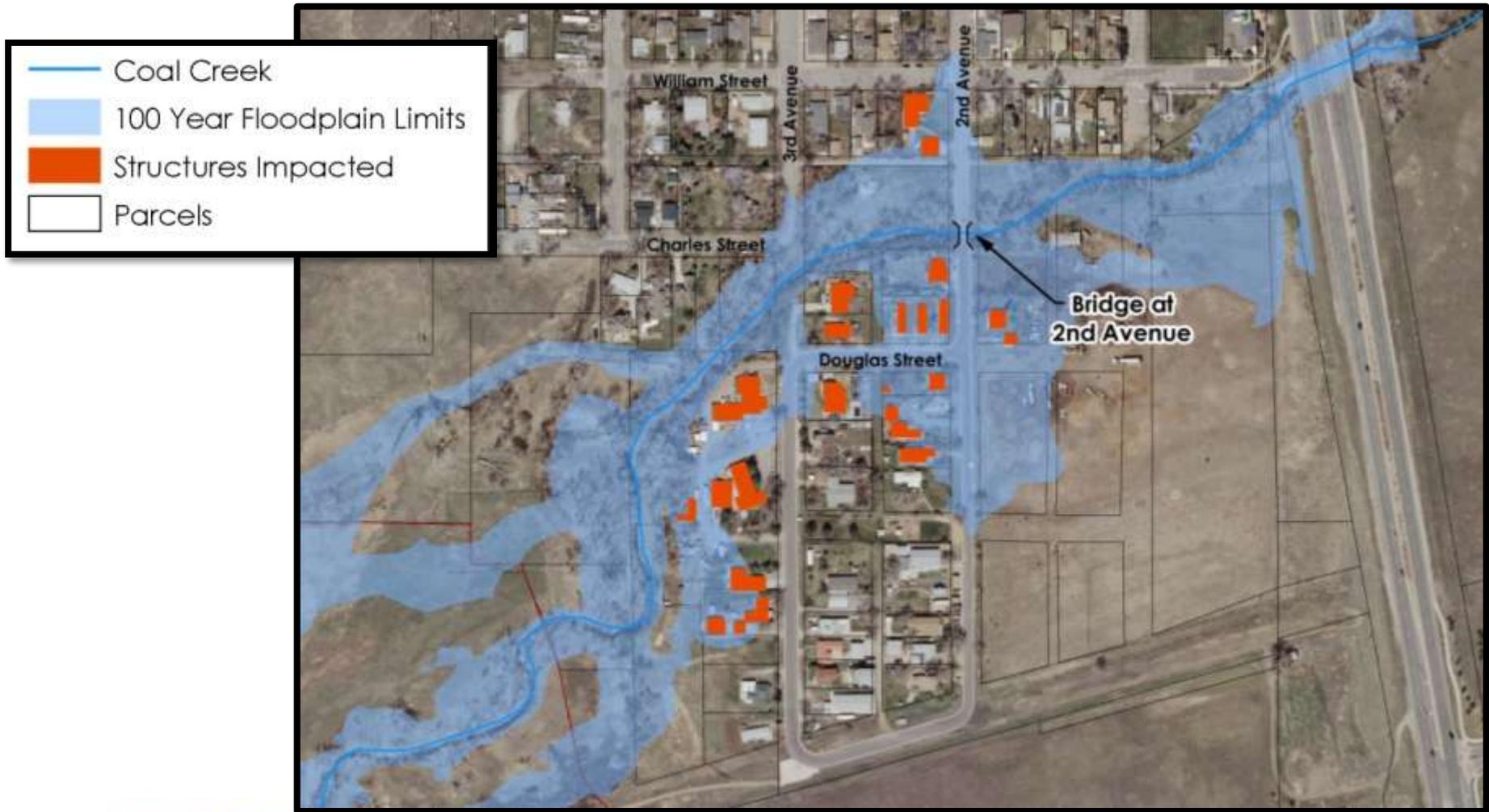


Project Background

- ◆ FEMA floodplain study developed 100-year floodplain
- ◆ Coal Creek Master Plan (updated in 2006) reevaluated developed 100-year floodplain
- ◆ 2010-2011 Coal Creek Upstream of McCaslin Boulevard Flood Mitigation Alternatives Analysis
- ◆ 2012-13 Coal Creek/Rock Creek Master Drainageway Study will be the basis of revised floodplain



Coal Creek Floodplain/2nd Avenue Bridge



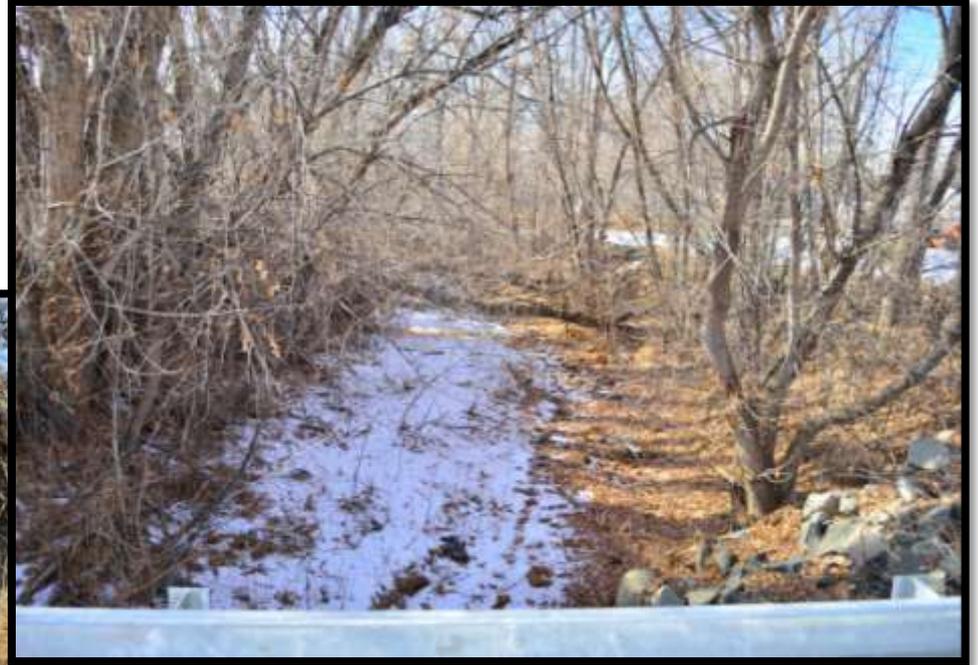
Flooding Causes

- ◆ 2nd Avenue Bridge has limited flood capacity
- ◆ Coal Creek upstream of 2nd and 3rd Avenues has limited flood capacity
- ◆ Split flows occur in the open space area due to the railroad embankment and lack of flood capacity



Current Channel Conditions

Coal Creek, looking west from 2nd Ave Bridge



Coal Creek, looking east from 2nd Ave Bridge



Flood Hazard Reduction Options

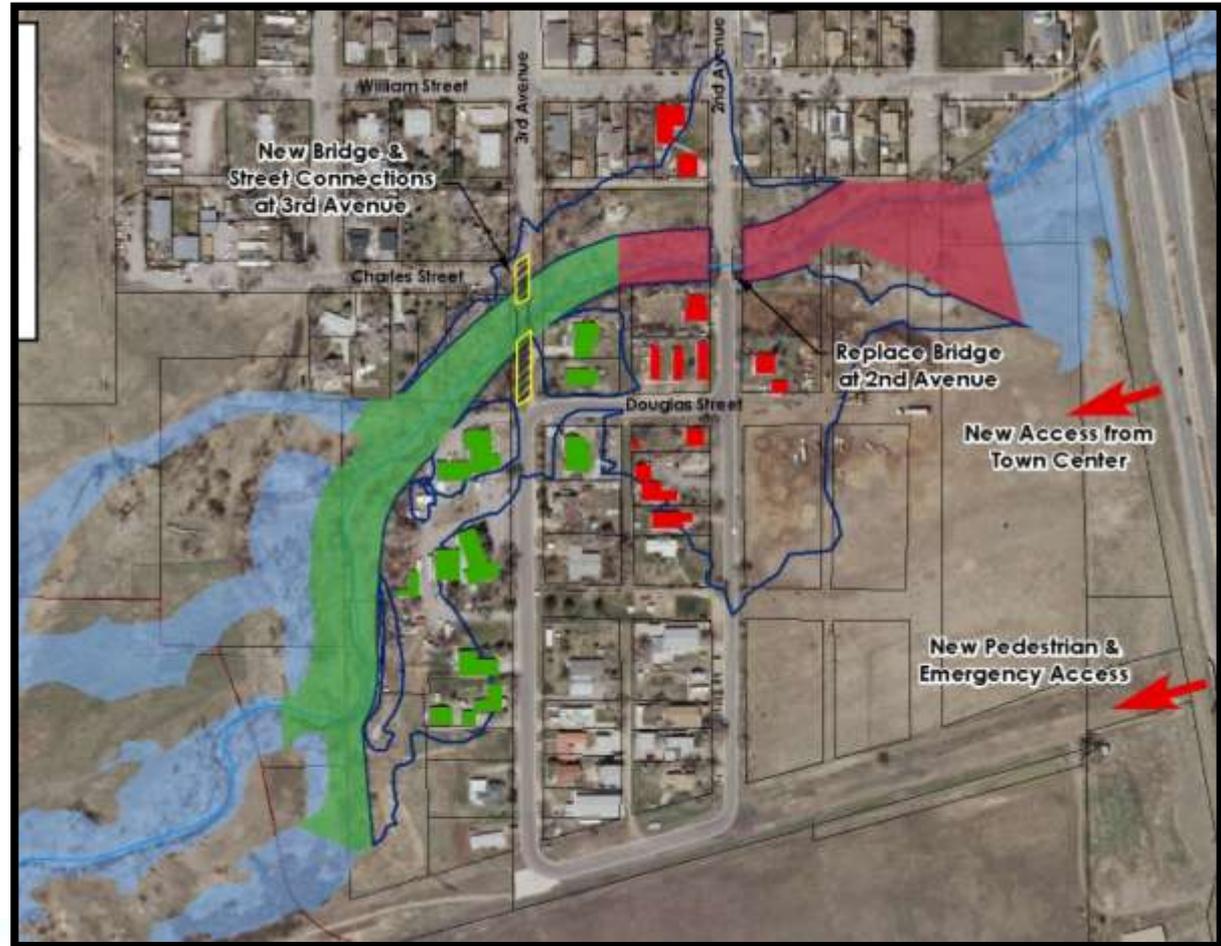
- ◆ Increase capacity of 2nd Avenue Bridge
- ◆ Increase capacity of Coal Creek upstream of 2nd Avenue
- ◆ Capture / redirect split flows



Access Options

Town Board Work Session 2-11-13

- Four Options
 - 2nd Ave Bridge
 - 3rd Ave Bridge
- Consensus
 - Replace 2nd Ave Bridge in Short Term
 - Consider 3rd Ave Bridge in Long Term



Conceptual Construction Area



2nd Avenue Bridge at Present



3rd Avenue at Present

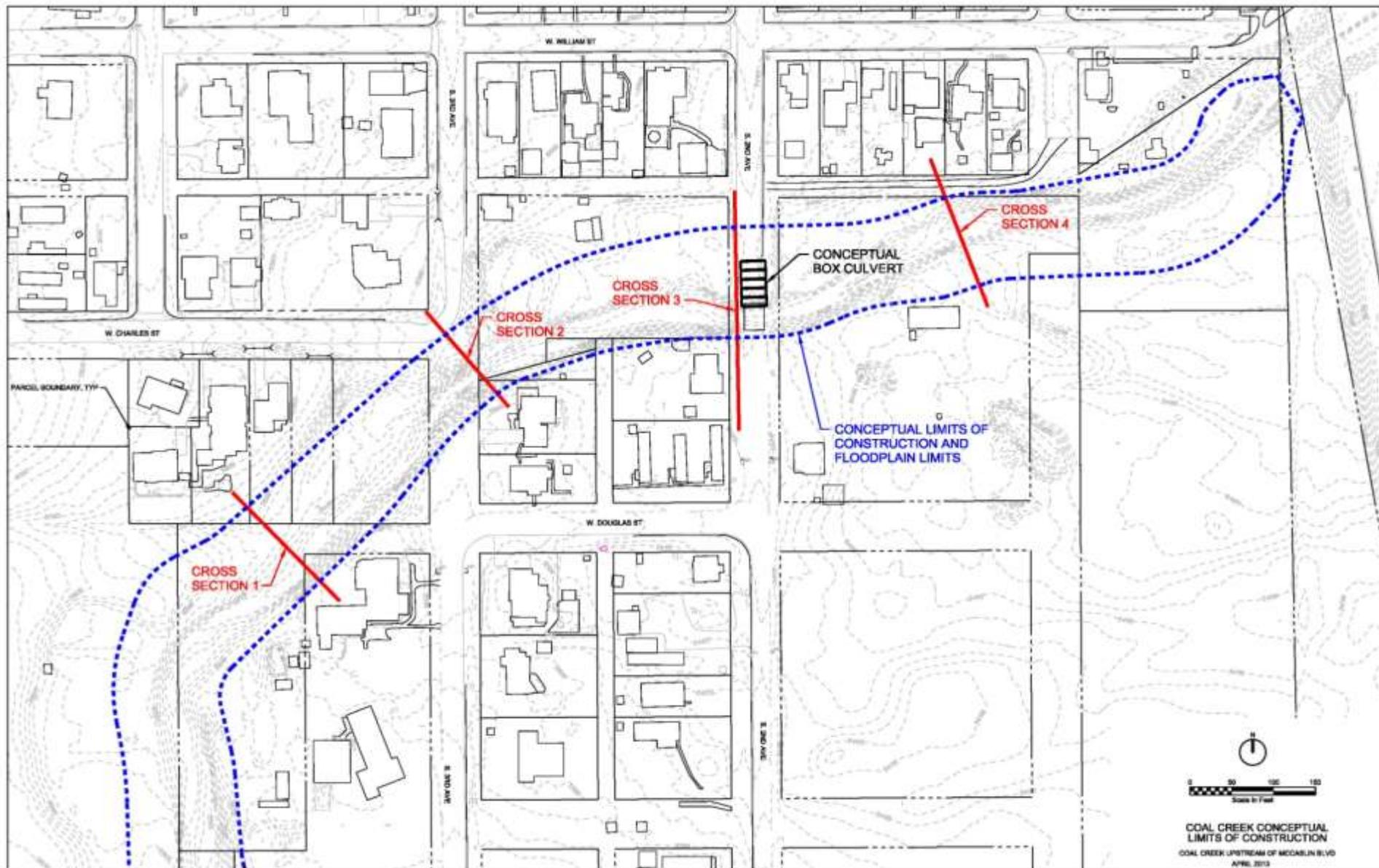
3rd Avenue, looking South



3rd Avenue, looking North



Grading Impacts

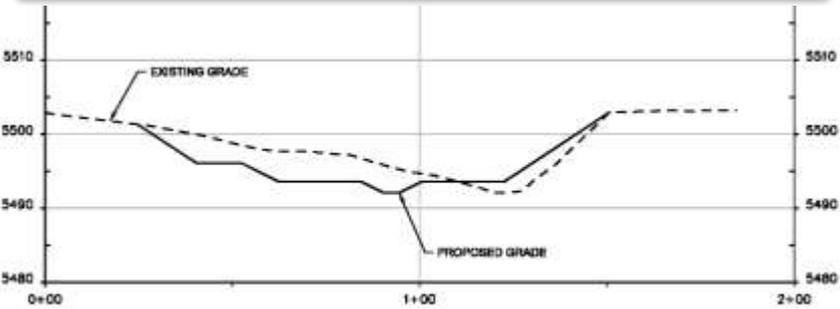


0 50 100 150
Scale in Feet

COAL CREEK CONCEPTUAL
LIMITS OF CONSTRUCTION
COAL CREEK UPSTREAM OF MCCABLIN BLVD
APRIL 2013

Representative Photos & Current Photos

Section 1
West of 3rd Ave & Douglas St

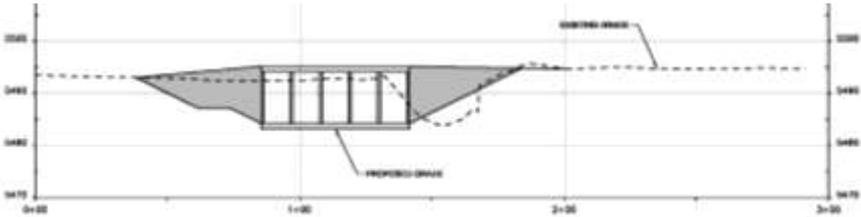


Section 2
Near 3rd Ave & Charles St

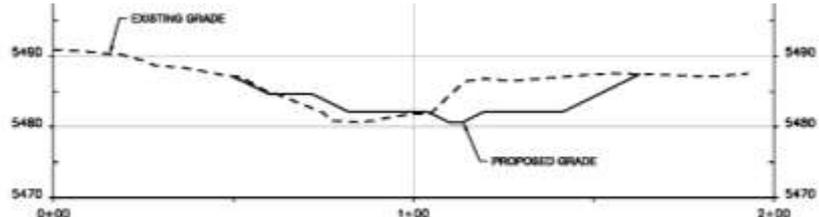


Representative Photos & Current Photos

Section 3
2nd Ave Bridge



Section 4
Near 1st Ave



Typical UDFCD Floodway Projects



Similar Multi-Cell Box Culvert



Typical Maintenance Access



Next Steps

- ◆ **Public Meeting on Flood Mitigation Options**
 - **April 4**
- ◆ **Town Board Work Session**
 - **April 22**
- ◆ **PC/Town Board Approval of Flood Mitigation Plan**
 - **May**
- ◆ **Develop Town/UDFCD Finance Plan**
 - **June**
- ◆ **Bridge Design/Environmental Clearance**
 - **June to December**
- ◆ **Construction**
 - **January to June, 2014**



Floodplain Revision Process

- ◆ Construct Improvements
- ◆ Model Floodplain with improvements
- ◆ Submit Letter of Map Revision to UDFCD and FEMA
- ◆ FEMA Conditional Approval
- ◆ Include in Next FEMA Map Revision





Thank You!

Questions?