

COAL CREEK UPSTREAM OF McCASLIN BOULEVARD

Presented by
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& Dave Skuodas



April 22, 2013
Town Board Work Session

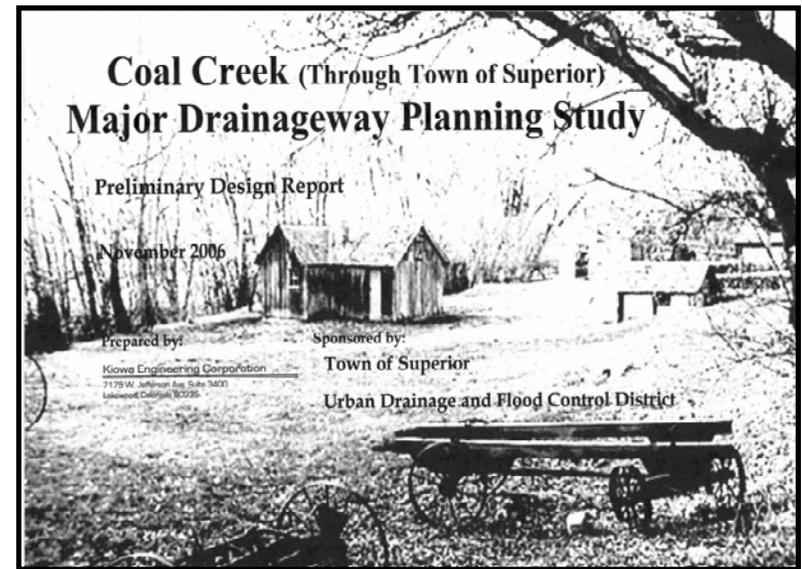


Project Area Overview

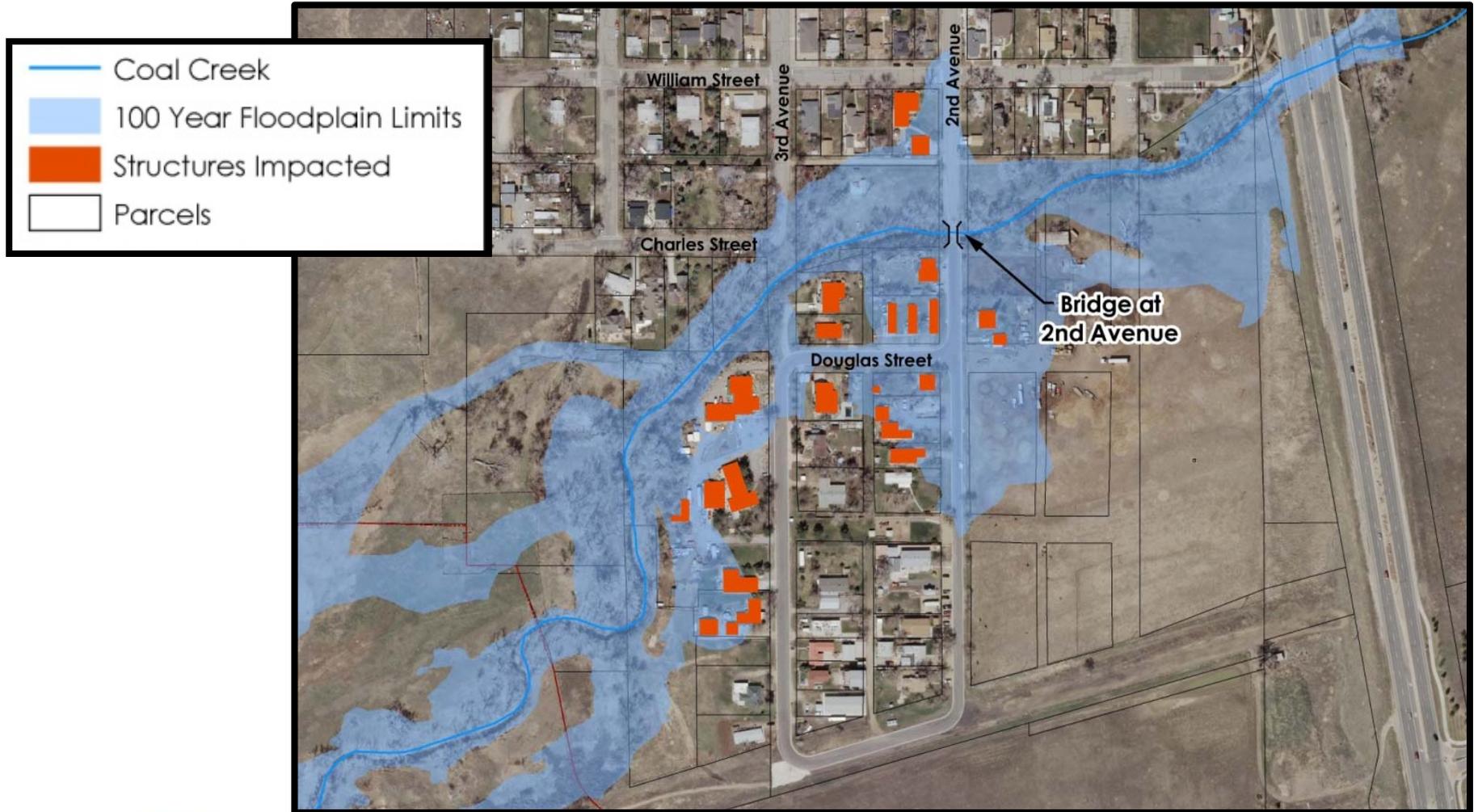


Project Background

- ◆ 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



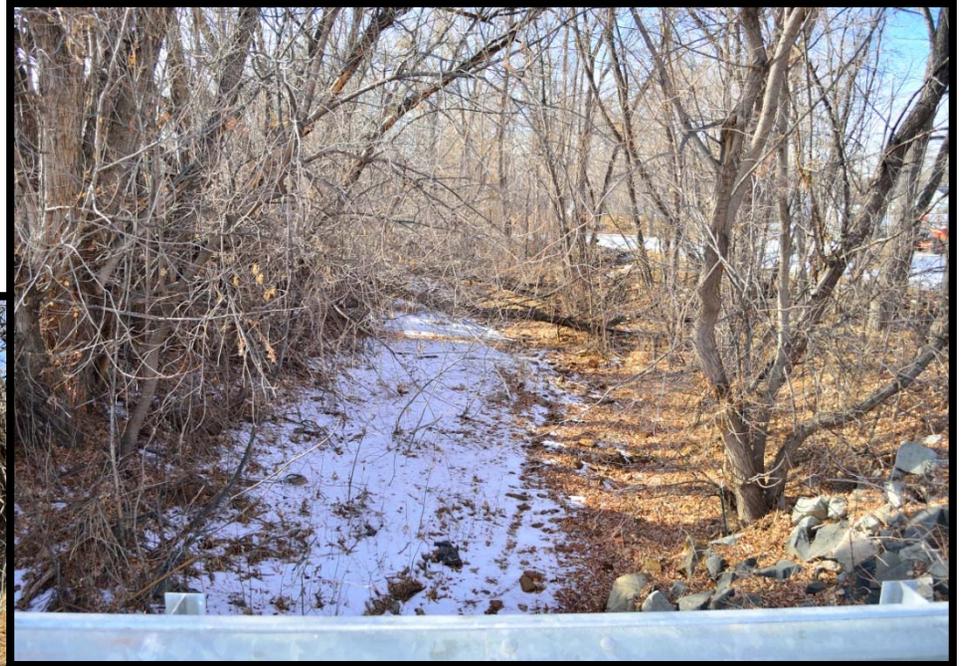
Flooding Causes

- ◆ 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

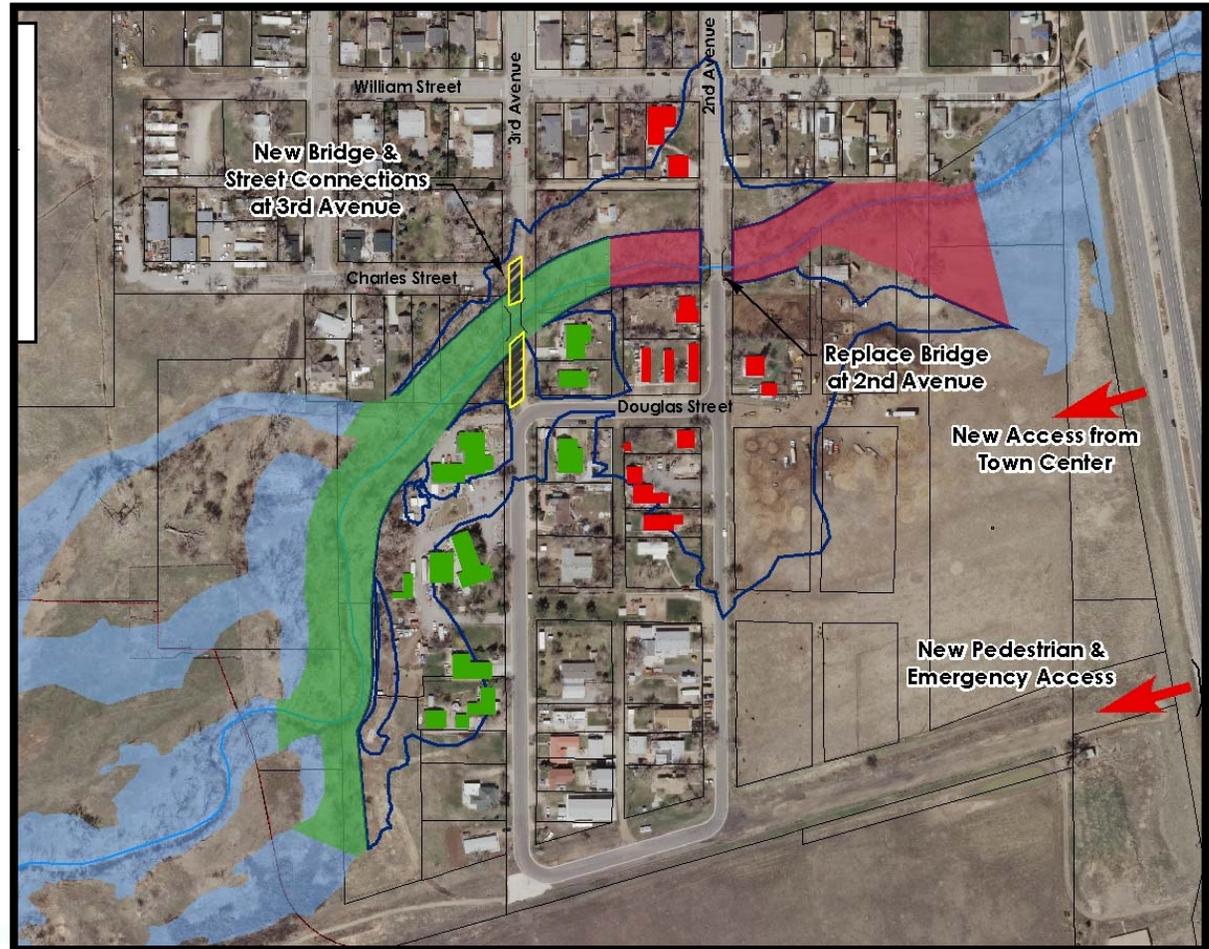
- ◆ Increase capacity of 2nd Avenue Bridge
- ◆ Increase capacity of Coal Creek upstream of 2nd Avenue
- ◆ Capture / redirect split flows



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

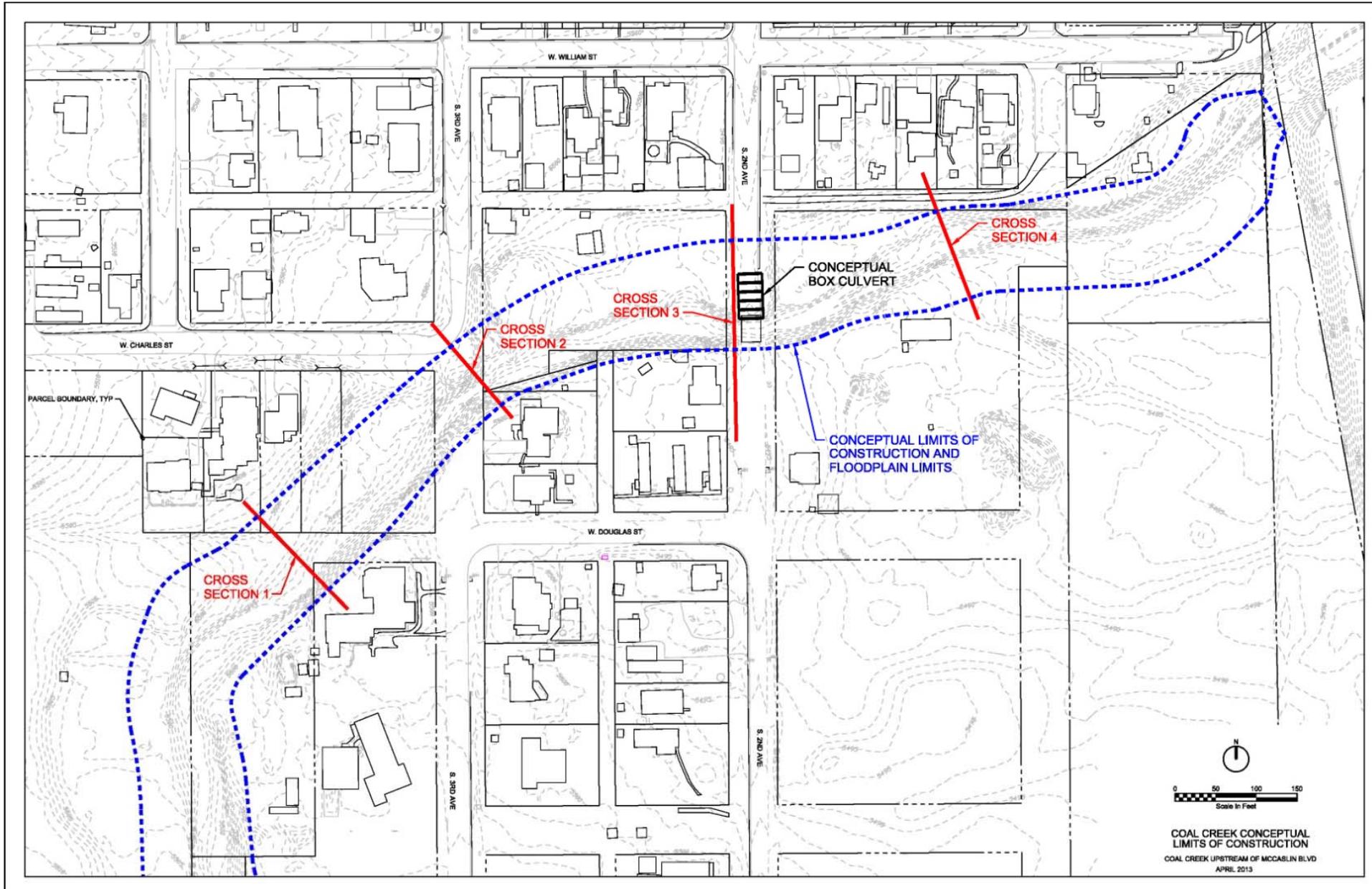
3rd Avenue, looking South



3rd Avenue, looking North

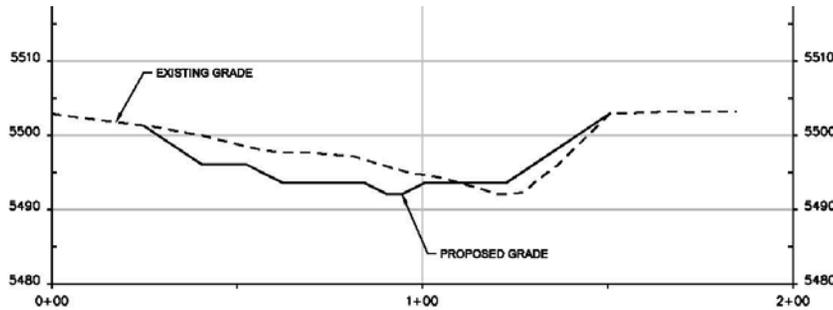


Grading Impacts

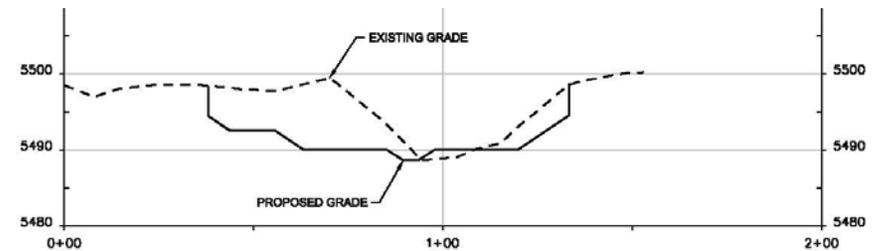


Representative Photos & Current Photos

Section 1 West of 3rd Ave & Douglas St

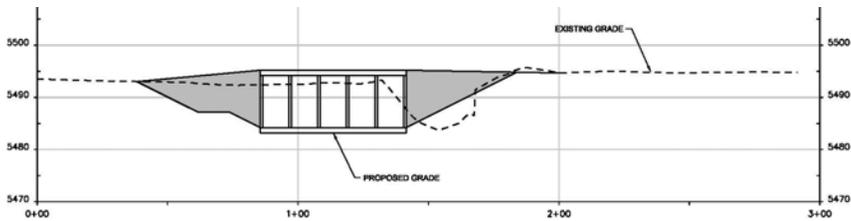


Section 2 Near 3rd Ave & Charles St

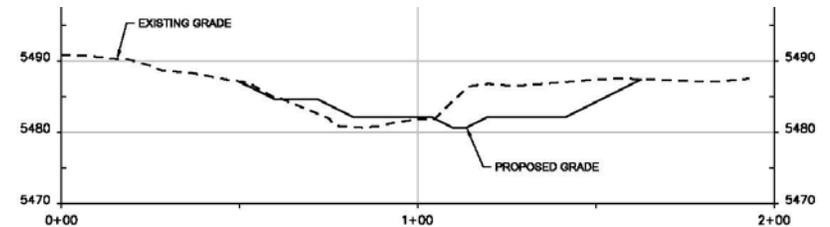


Representative Photos & Current Photos

Section 3 2nd Ave Bridge



Section 4 Near 1st Ave



Typical UDFCD Floodway Projects



Similar Multi-Cell Box Culvert



Typical Maintenance Access



Community Meeting Summary

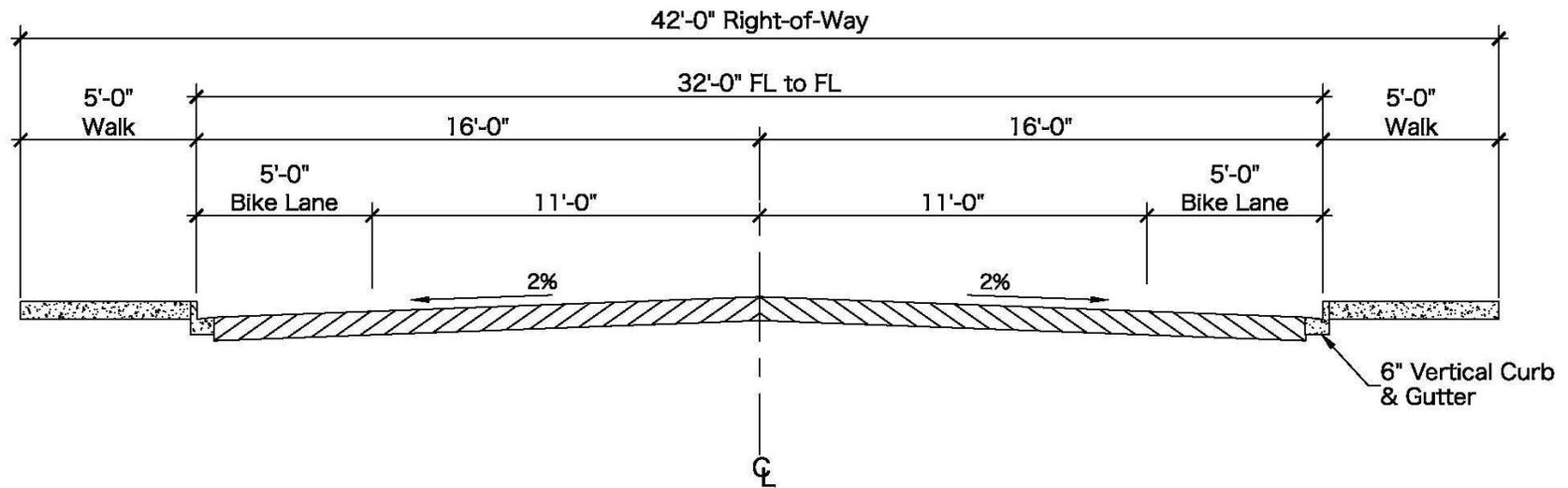
- ◆ Width of Bridge Should Match with of Street North of Creek
- ◆ Support of Disconnection at 3rd Ave/Charles
- ◆ Resident south of Creek near 3rd Ave Opposed to 3rd Ave Bridge
- ◆ One Resident Supported 3rd Ave Bridge
- ◆ Don't Provide Public Access Along Creek
- ◆ Concerns About Number of Trees that could be removed
- ◆ Concerns about Migratory Owls and other birds
- ◆ Meet with affected Property Owners Individually



2nd Avenue Width



Proposed 2nd Ave Bridge Width



Next Steps

- ◆ **Town Board Work Session**
 - **April 22**
- ◆ **Meet with Individual Property Owners, Refine Channel Improvements Concepts**
 - **May & June**
- ◆ **Retain Design Firm – Complete Preliminary Design**
 - **May-Sept**
- ◆ **PC/Town Board Approval of Flood Mitigation Plan**
 - **October**
- ◆ **Final Design/Environmental Clearance**
 - **September-December**
- ◆ **Construction**
 - **January to June, 2014**

