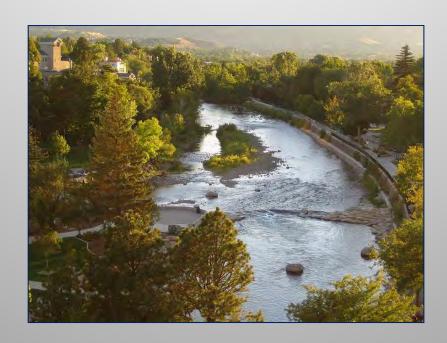
Local Rate Han Update



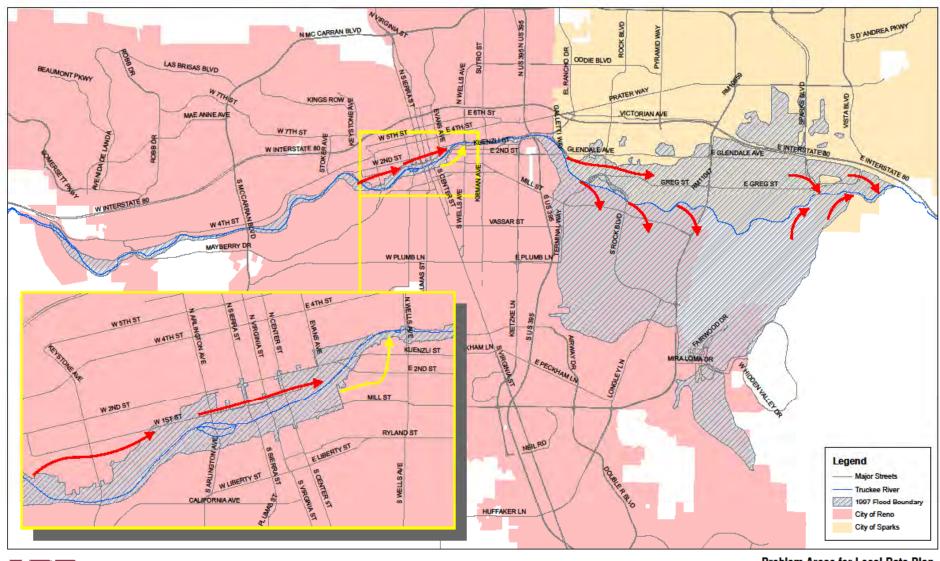
Jay Aldean | TRFMA Executive Director



Combined Prema Engineering Contract

- TRFMA hired HDR to design/engineer the Local Interest Plan (LIP) to provide 100-yr level of flood protection.
- Value Engineering (VE) workshop was held to brainstorm and evaluate design improvements to add value and lower project costs.
- Over 140 initial VE suggestions were narrowed to 10 recommendations to carry forward in the LIP design.
- HDR completed the LIP documentation April 2013.





HDR

Problem Areas for Local Rate Plan

1-Percent-annual-chance Breakout Flor

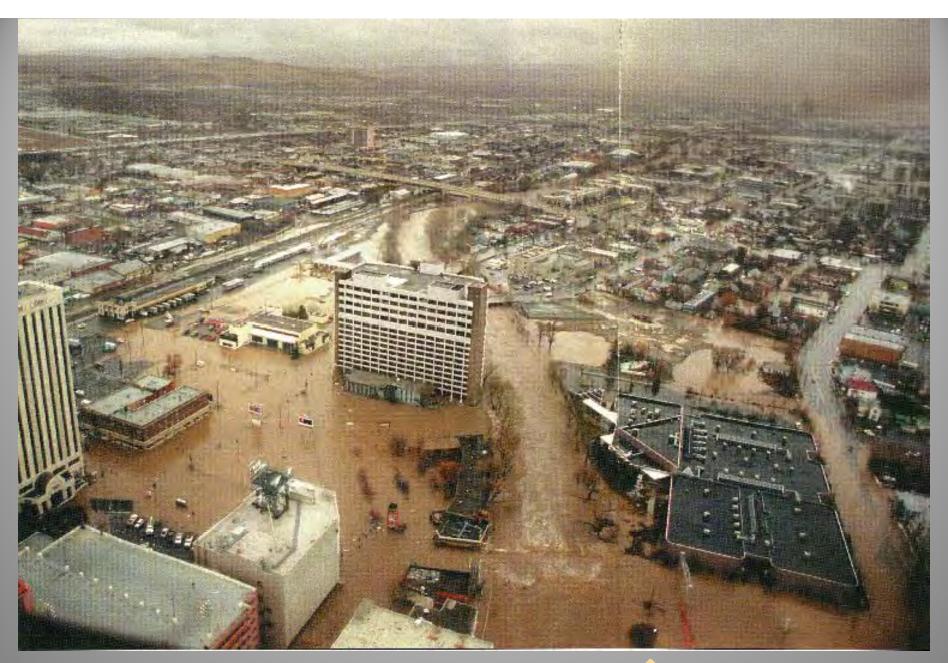
Truckee River Flood Management Authority | Truckee River Flood Project

The Problem











Design Criteria for Troject

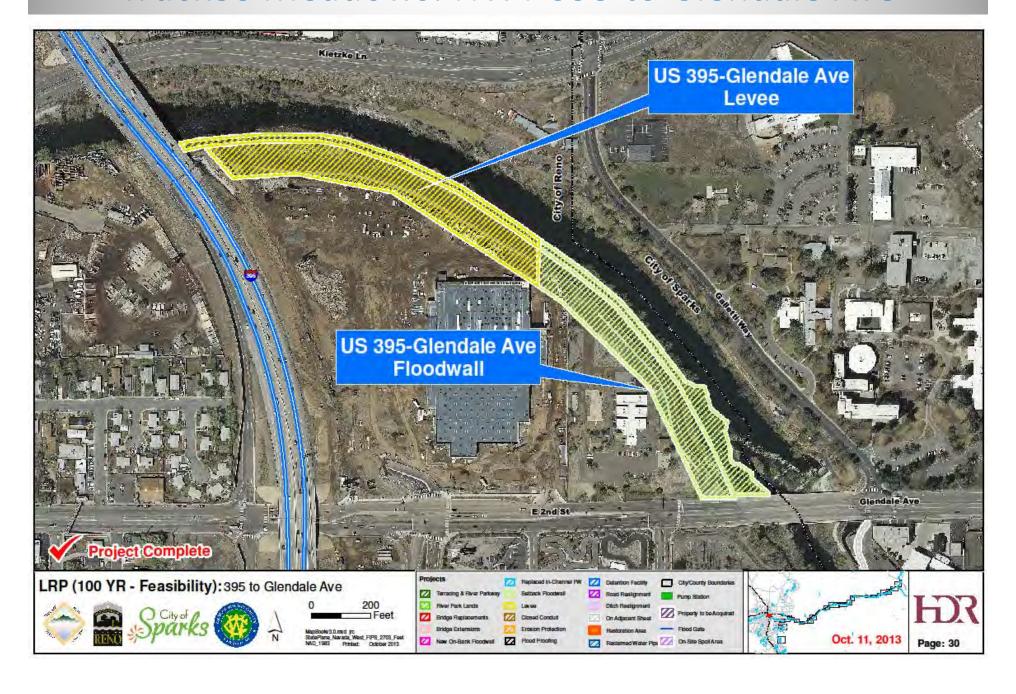
- Provide a minimum of 100-year flood protection,
- Adhere to FEMA design principals
- Limit the project cost to a <u>practical and affordable level</u>,
- B/C ratio greater than 1,
- Maintain the new 100-yr floodplain as close as possible to the existing 100-yr floodplain,
- Plan limited recreational facilities within the footprint of proposed flood facilities,
- Minimize neighborhood disturbances,
- Mitigate for environmental and hydraulic disturbances, and
- Seek eligibility for Federal funding through the Corps process.
 <u>Truckee River</u>
 <u>Flood Management Authority</u>

Local Interest Plan

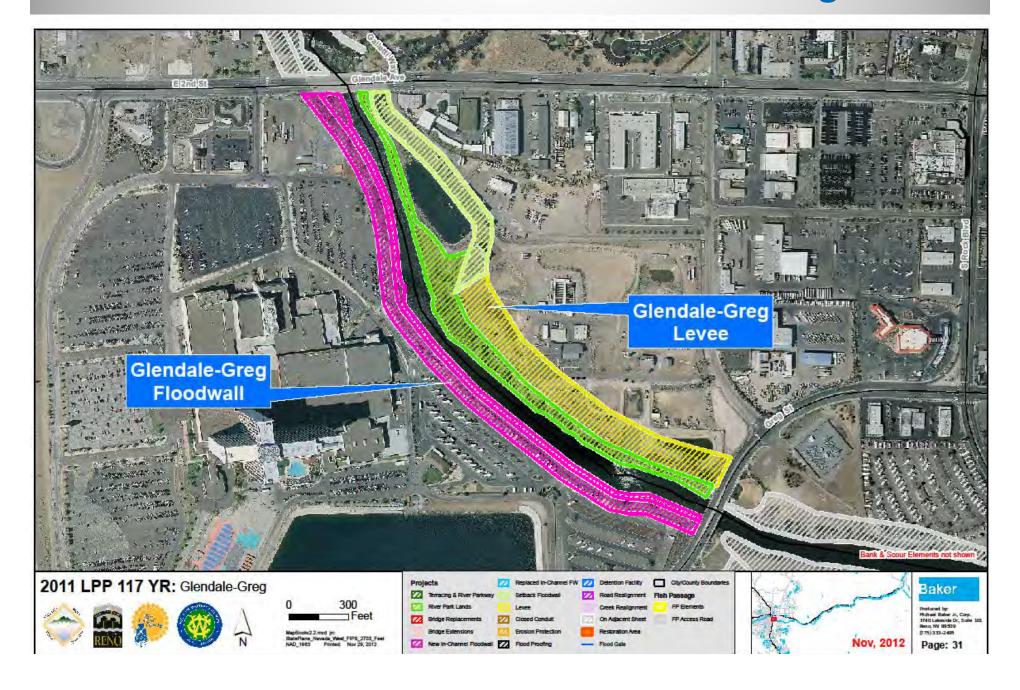
Summary of LIP features



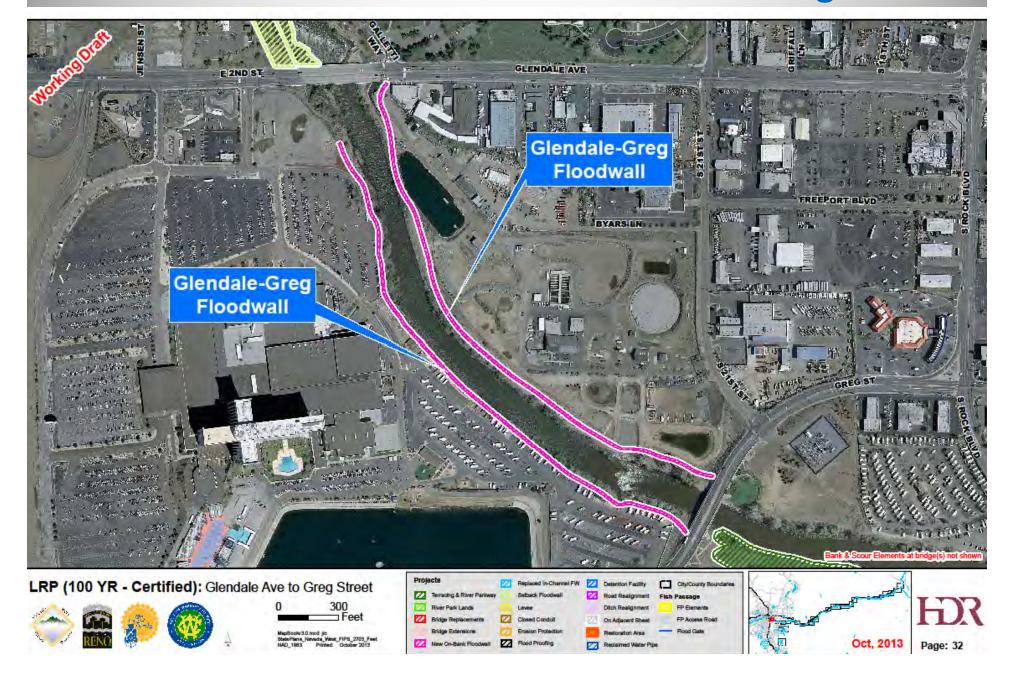
Truckee Meadows: HWY 395 to Glendale Ave



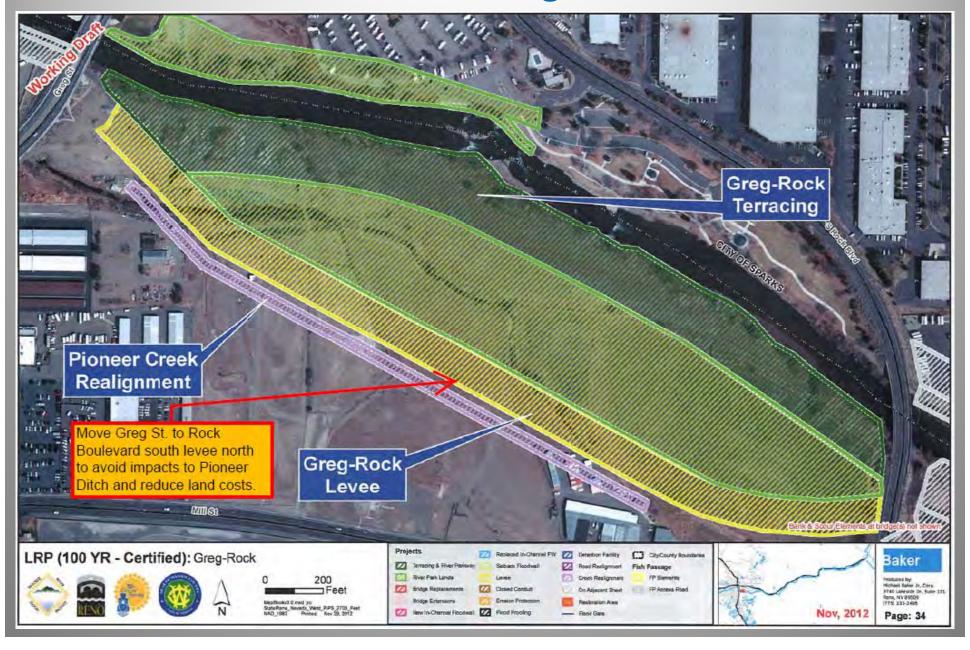
Truckee Meadows: Glendale Ave to Greg St



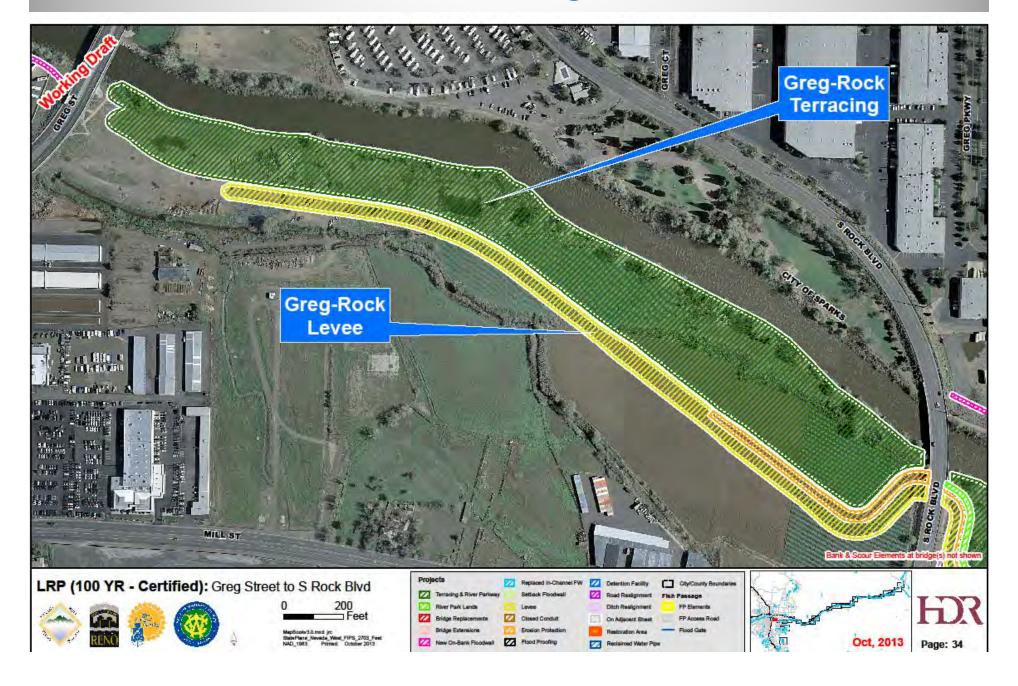
Truckee Meadows: Glendale Ave to Greg St



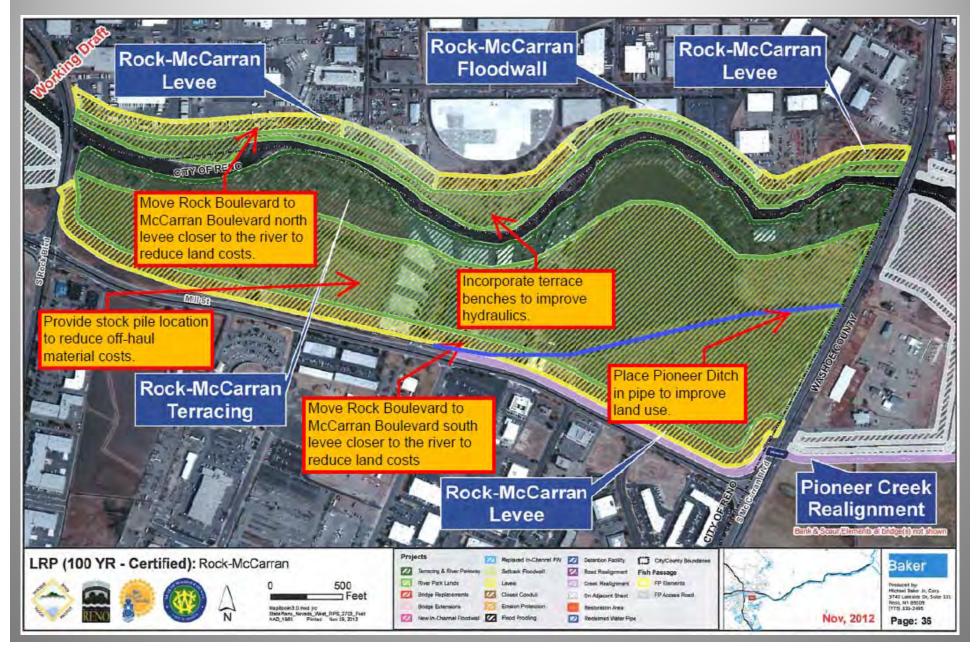
Truckee Meadows: Greg St to Rock Blvd



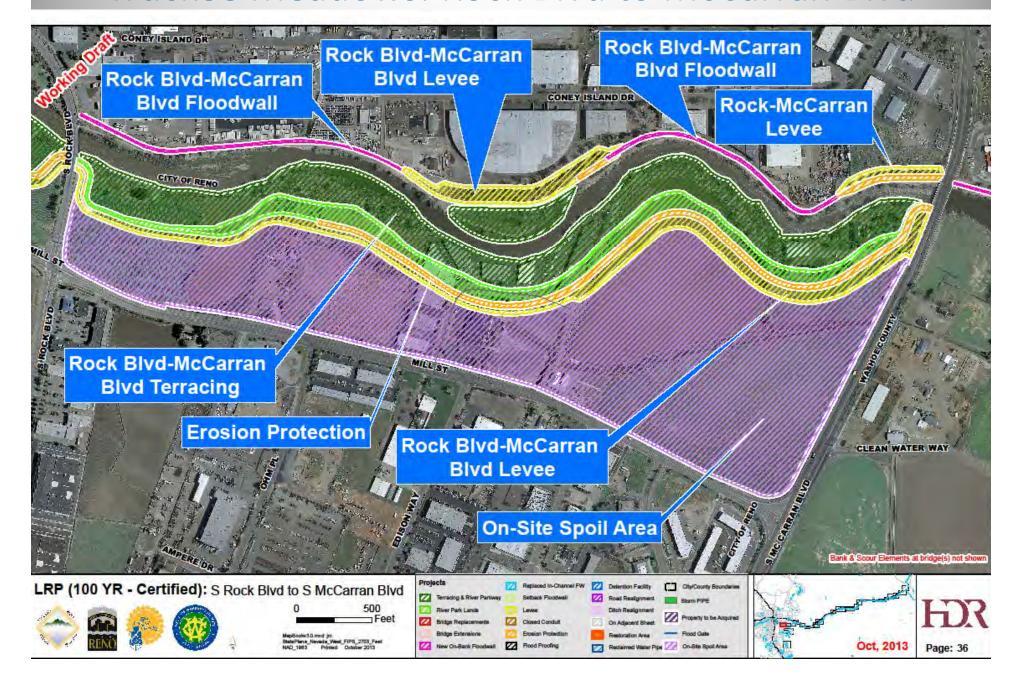
Truckee Meadows: Greg St to Rock Blvd



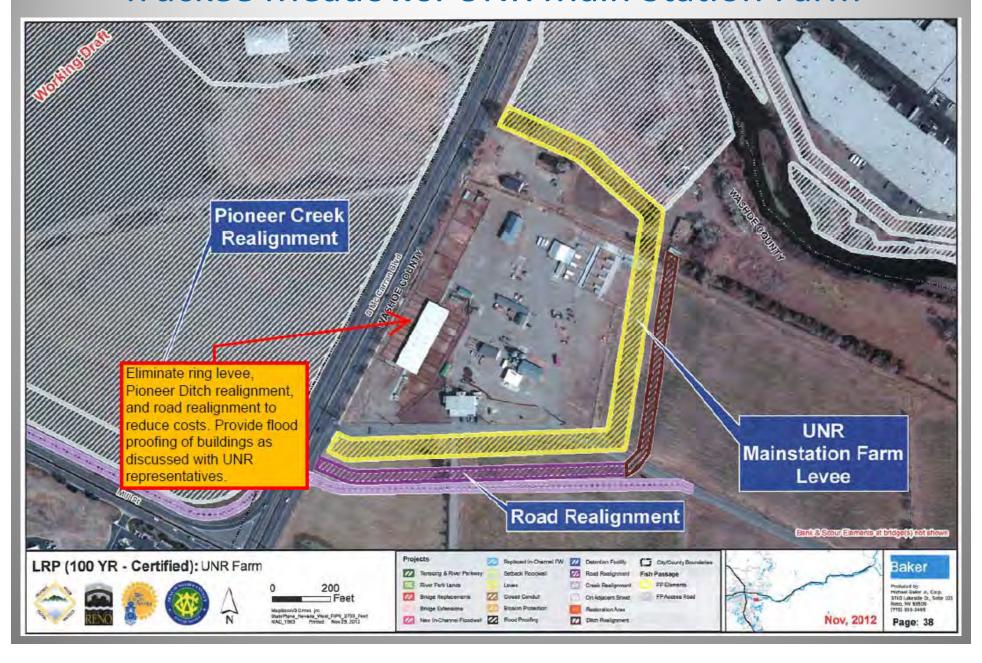
Truckee Meadows: Rock Blvd to McCarran Blvd



Truckee Meadows: Rock Blvd to McCarran Blvd

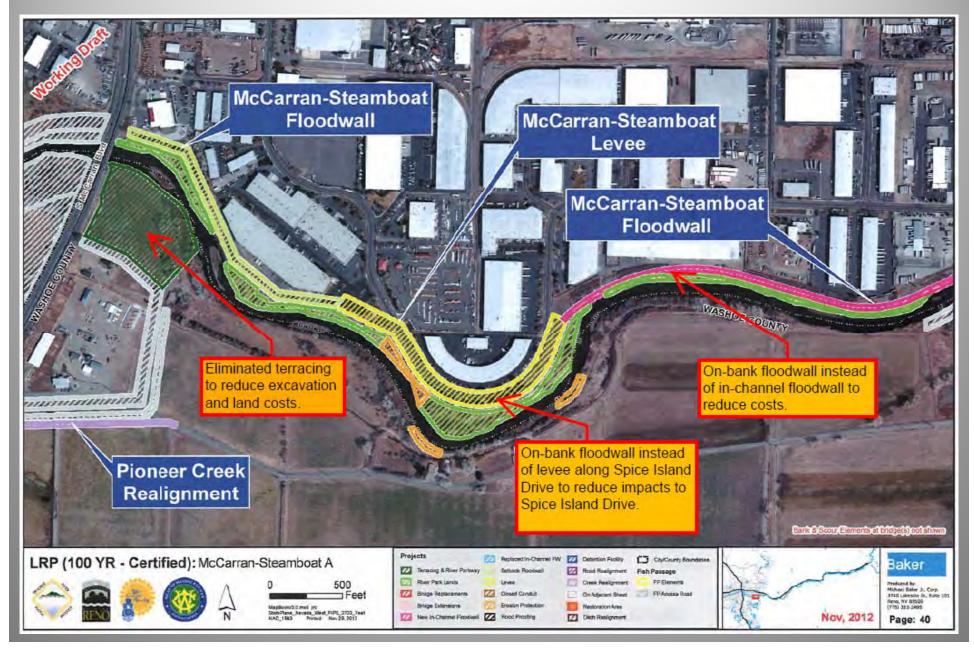


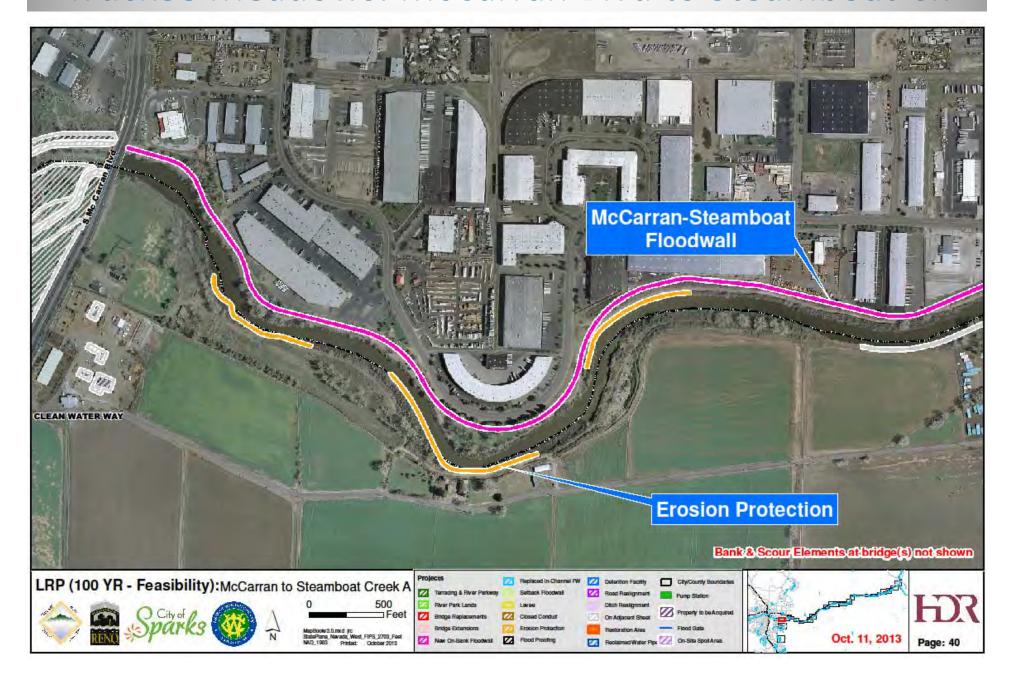
Truckee Meadows: UNR Main Station Farm

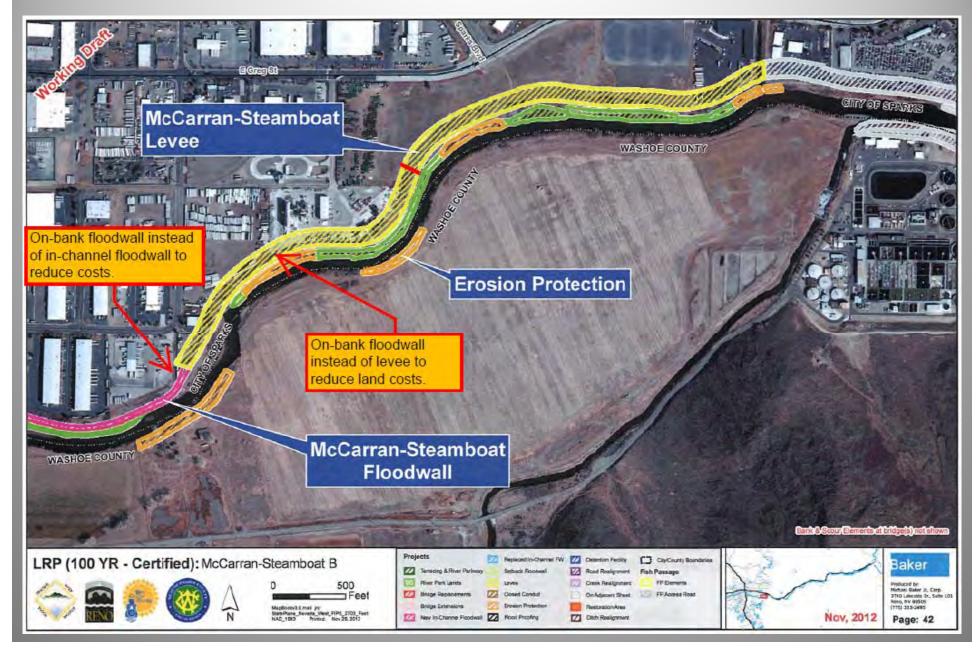


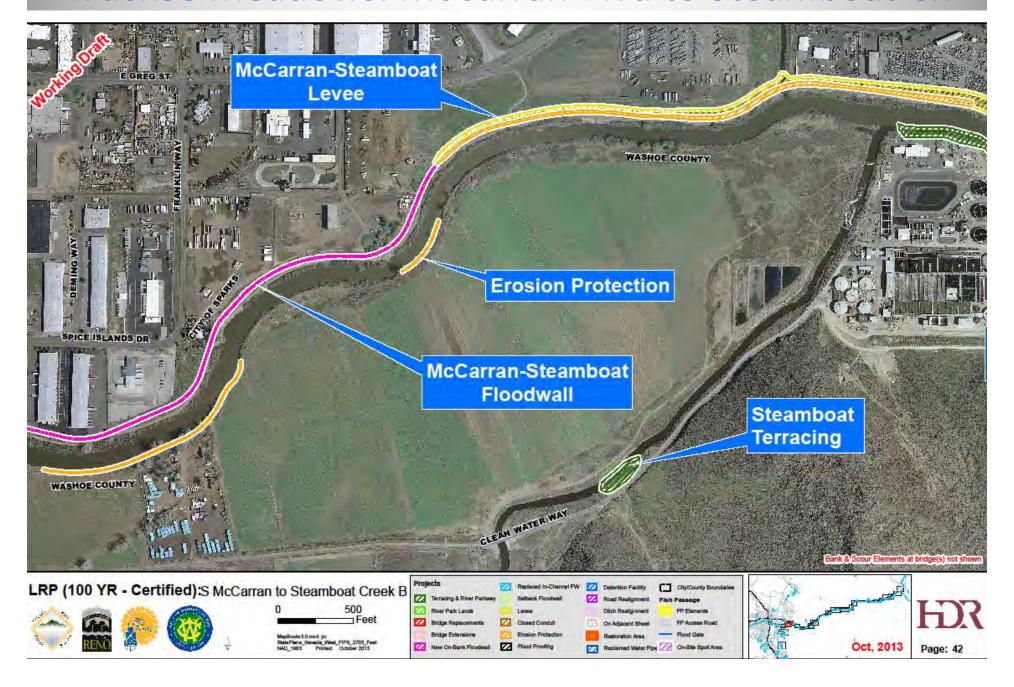
Truckee Meadows: UNR Main Station Farm



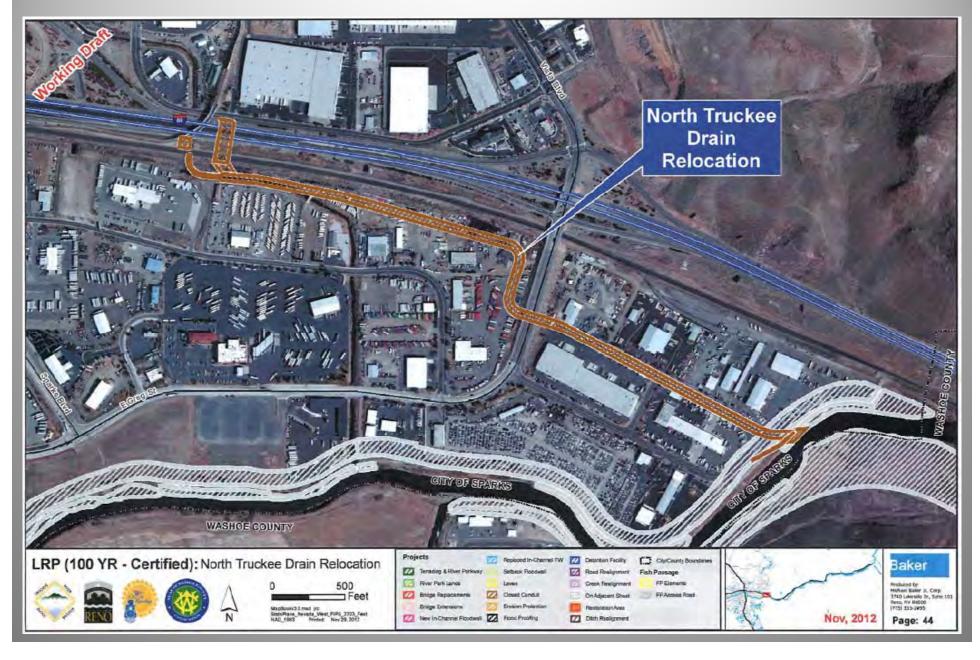








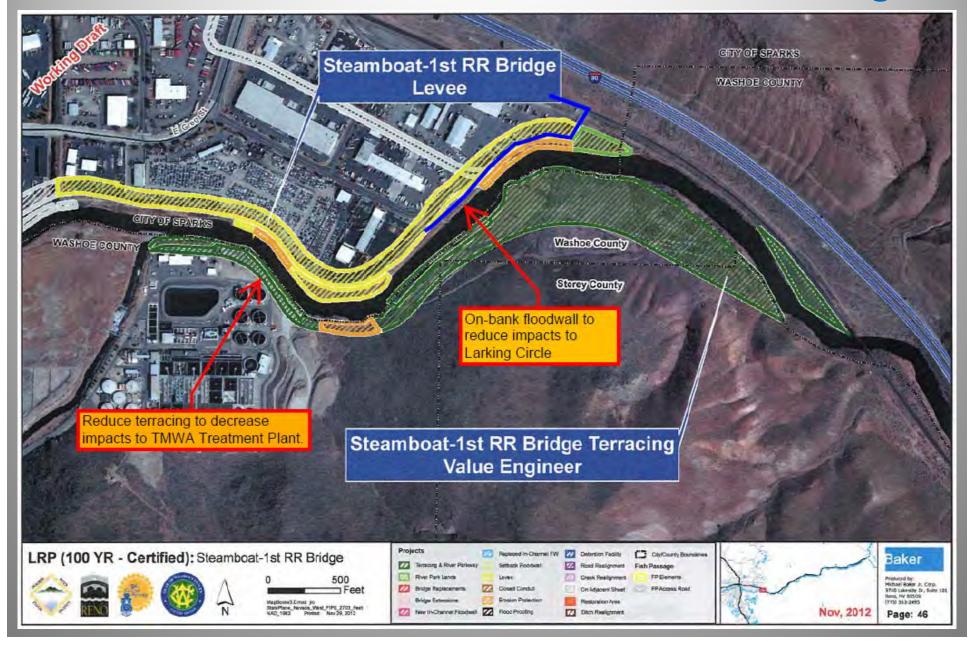
Truckee Meadows: North Truckee Drain Relocation



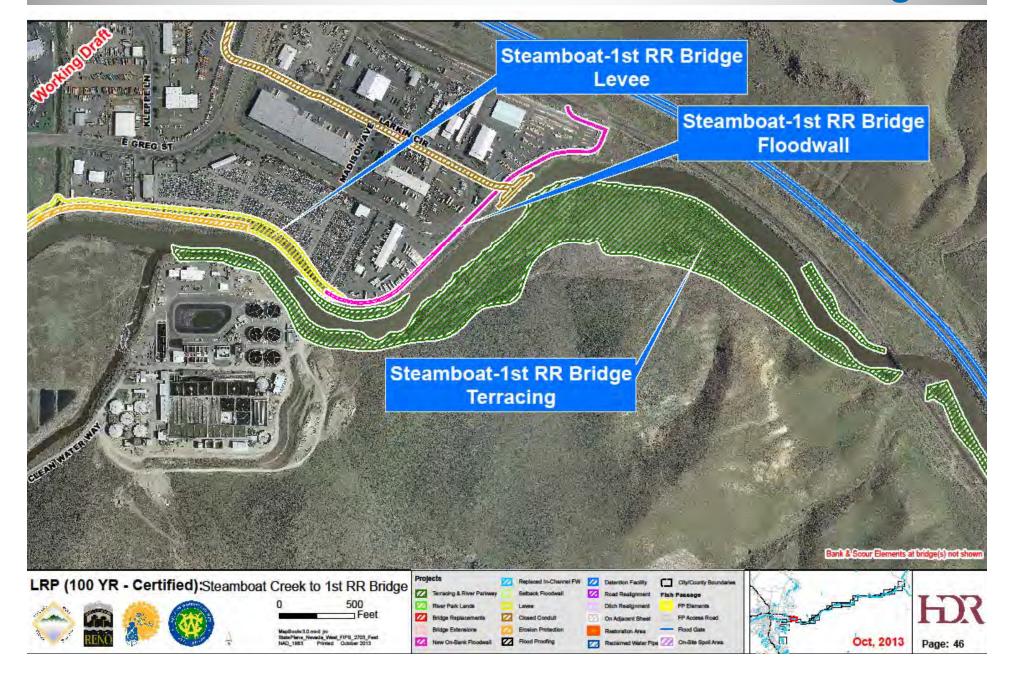
Truckee Meadows: North Truckee Drain Relocation

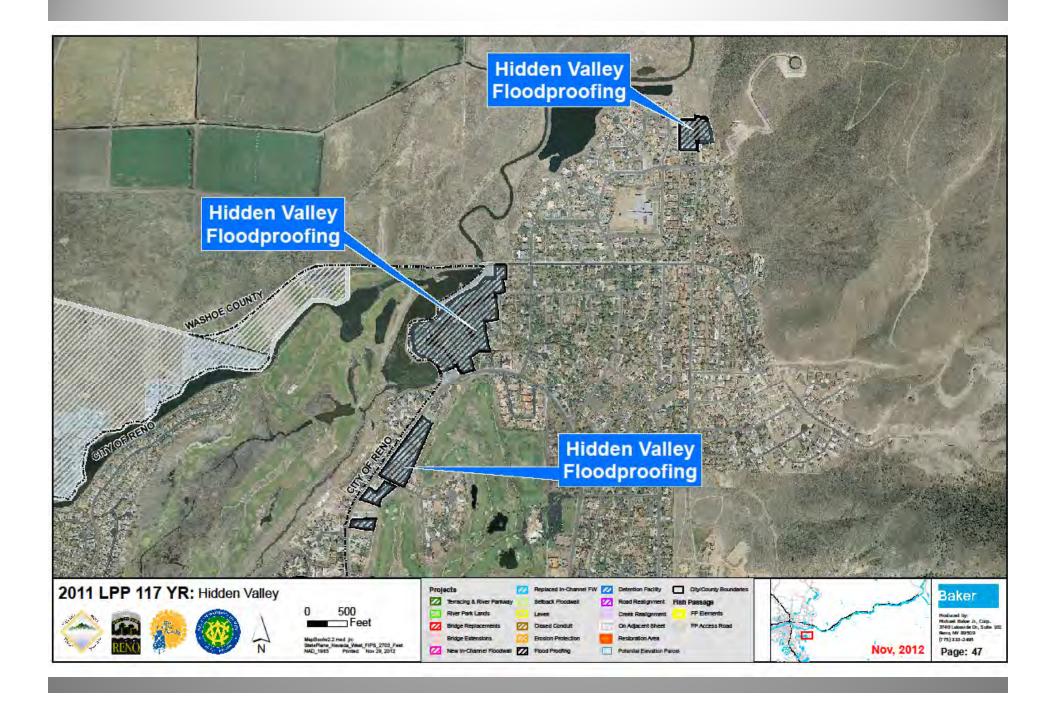


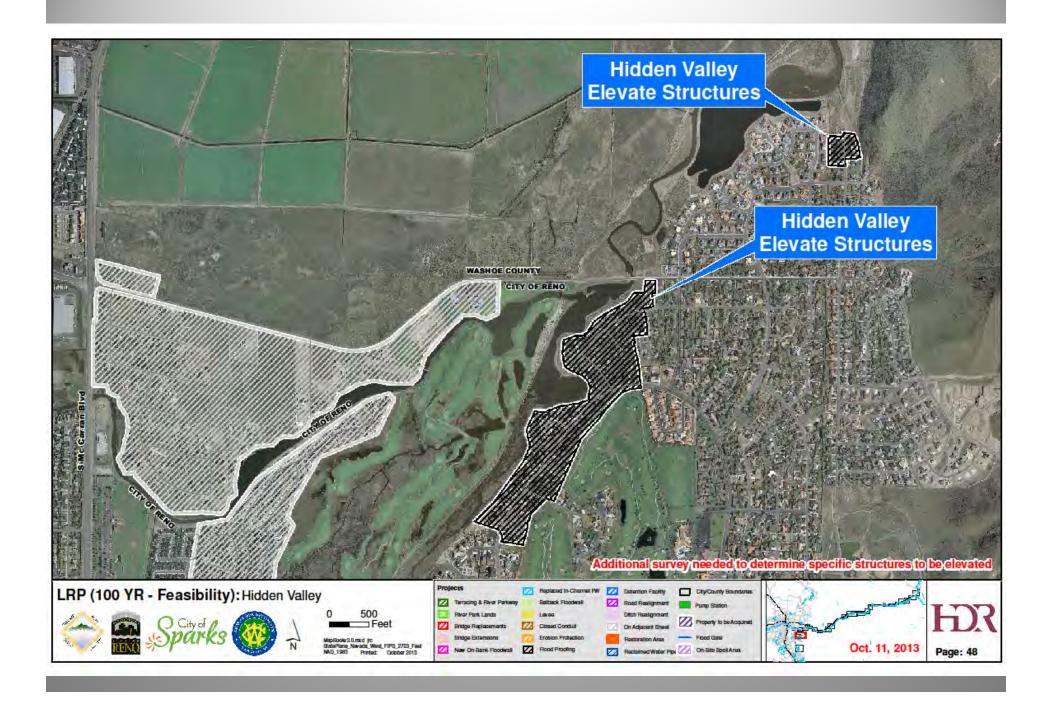
Truckee Meadows: Steamboat Ck to 1st RR Bridge

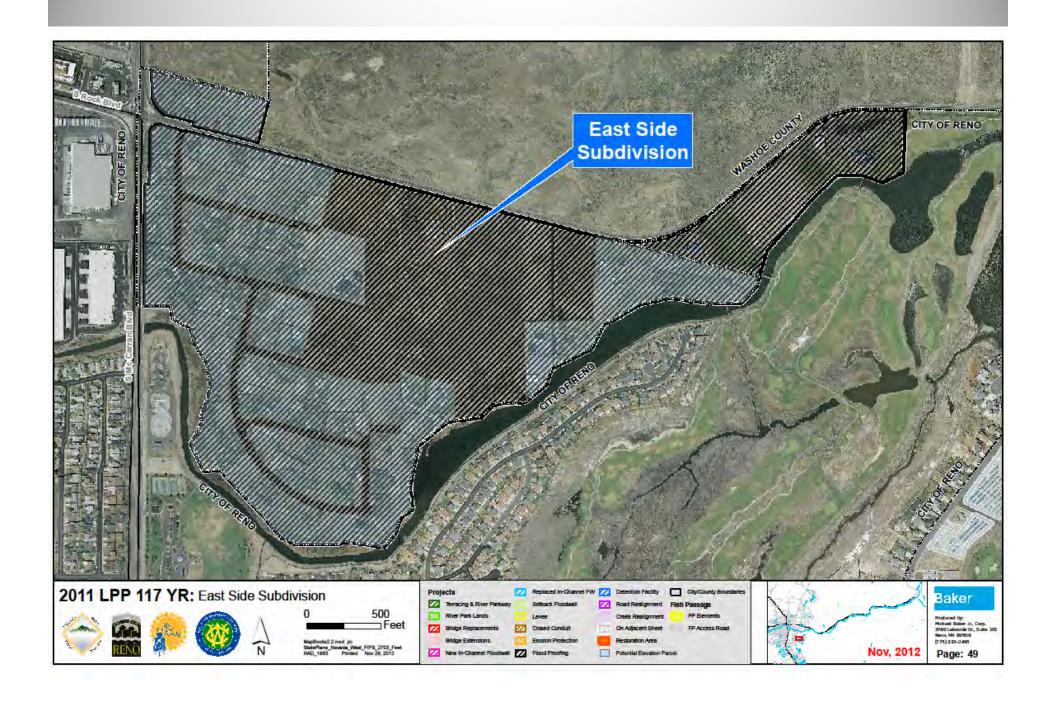


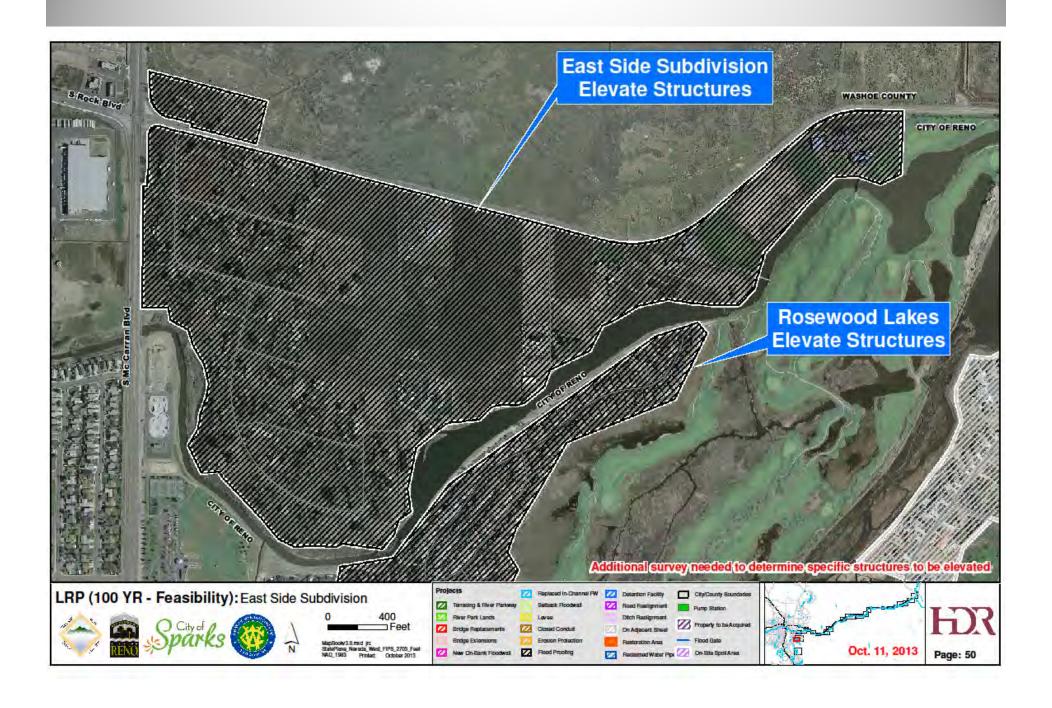
Truckee Meadows: Steamboat Ck to 1st RR Bridge



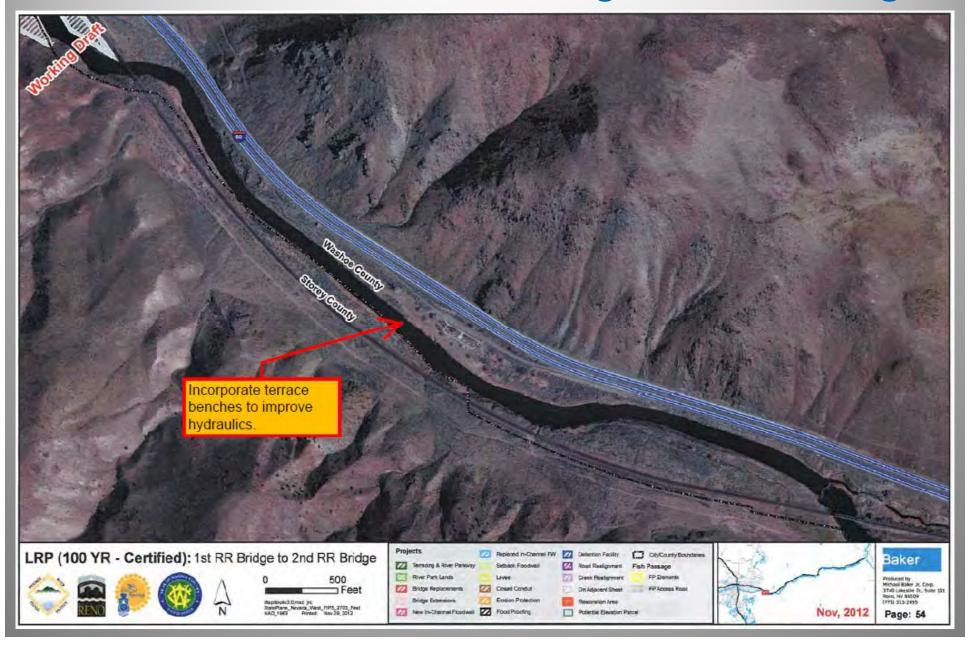




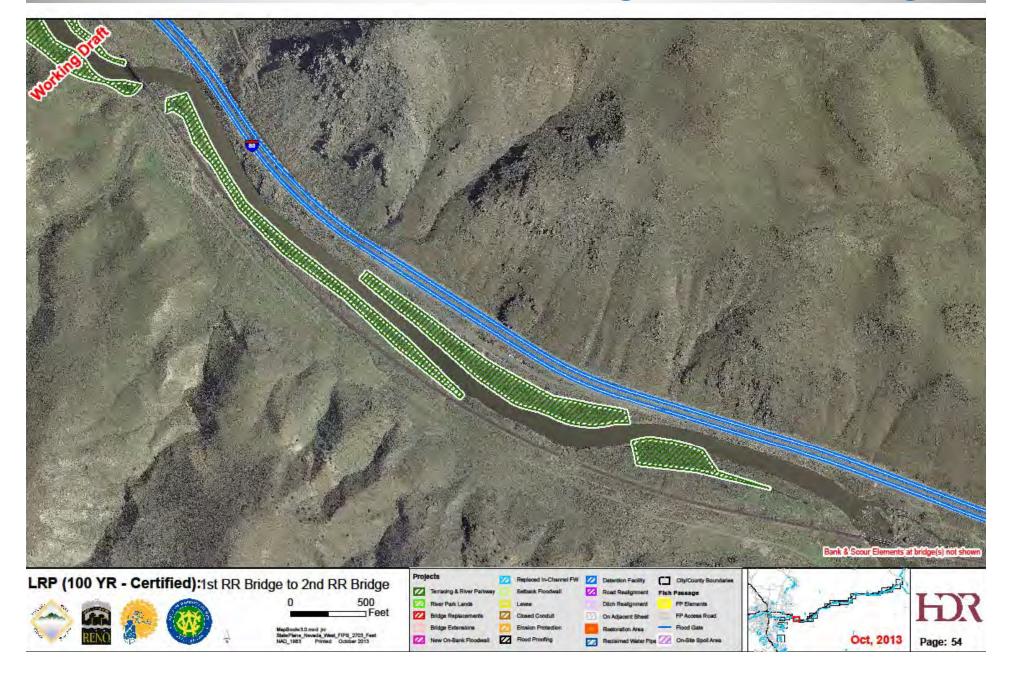




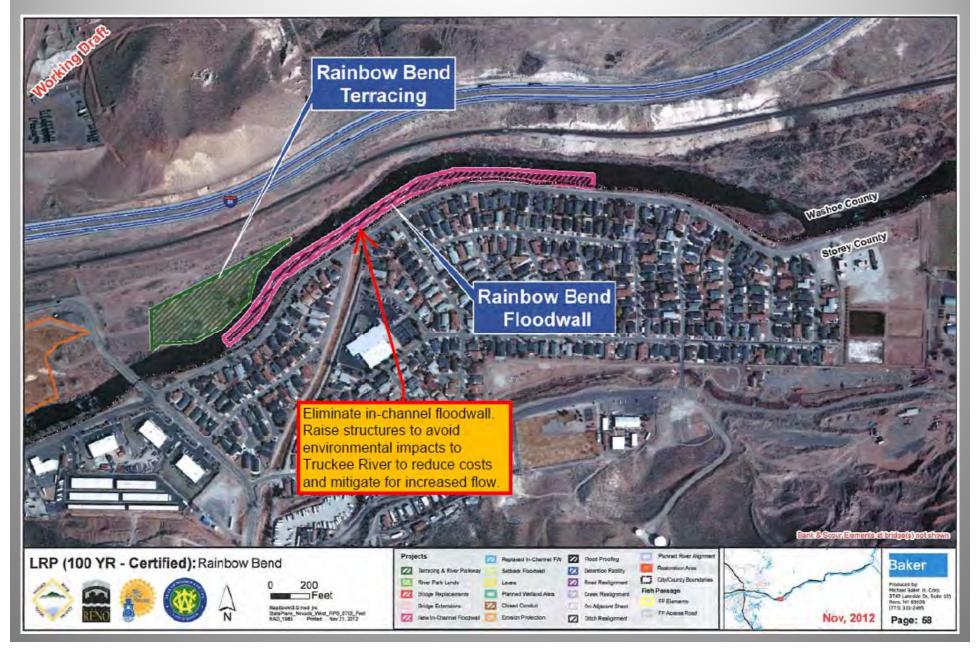
Lower Truckee River: 1st RR Bridge to 2nd RR Bridge



Lower Truckee River: 1st RR Bridge to 2nd RR Bridge



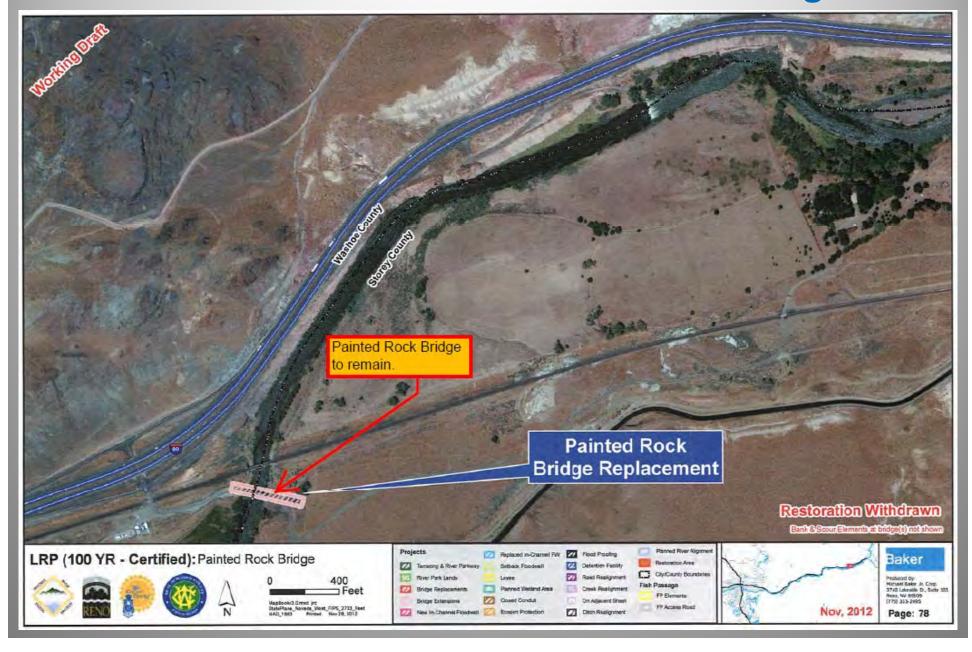
Lower Truckee River: Rainbow Bend



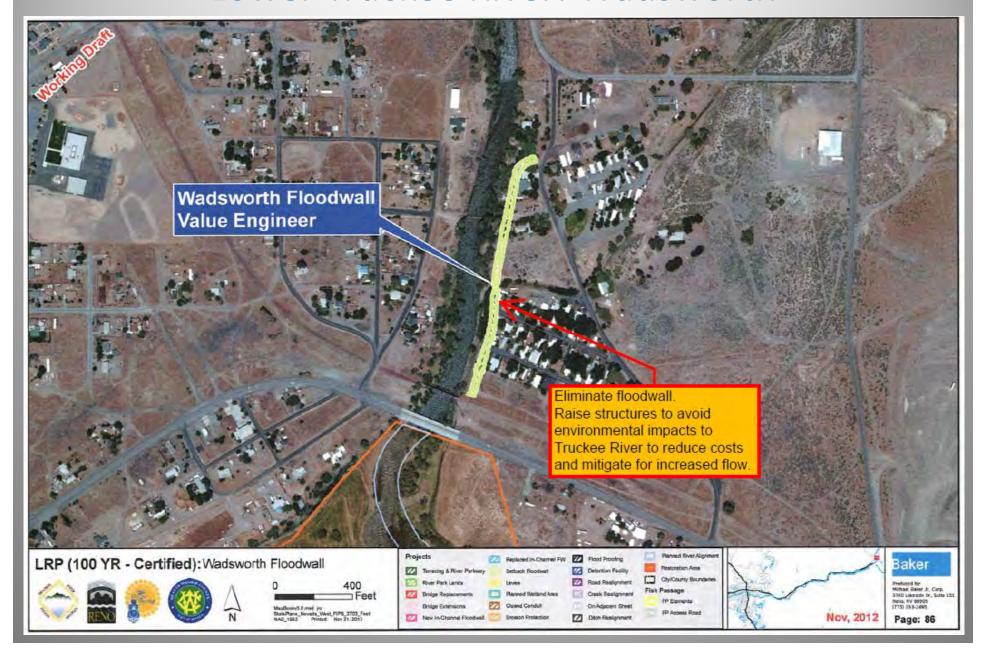
Lower Truckee River: Rainbow Bend



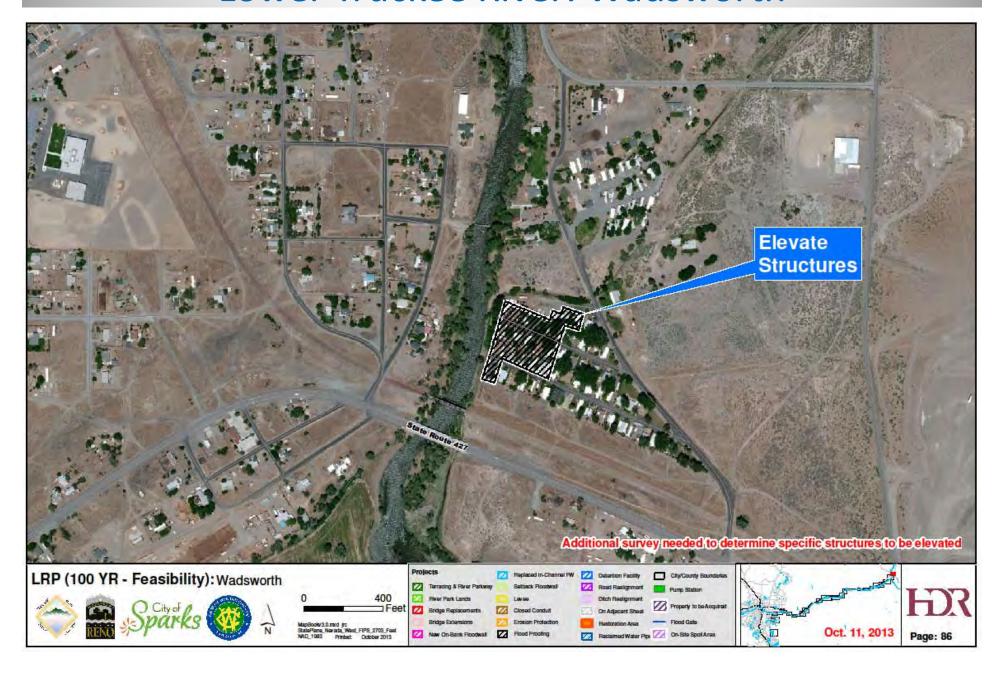
Lower Truckee River: Painted Rock Bridge



Lower Truckee River: Wadsworth

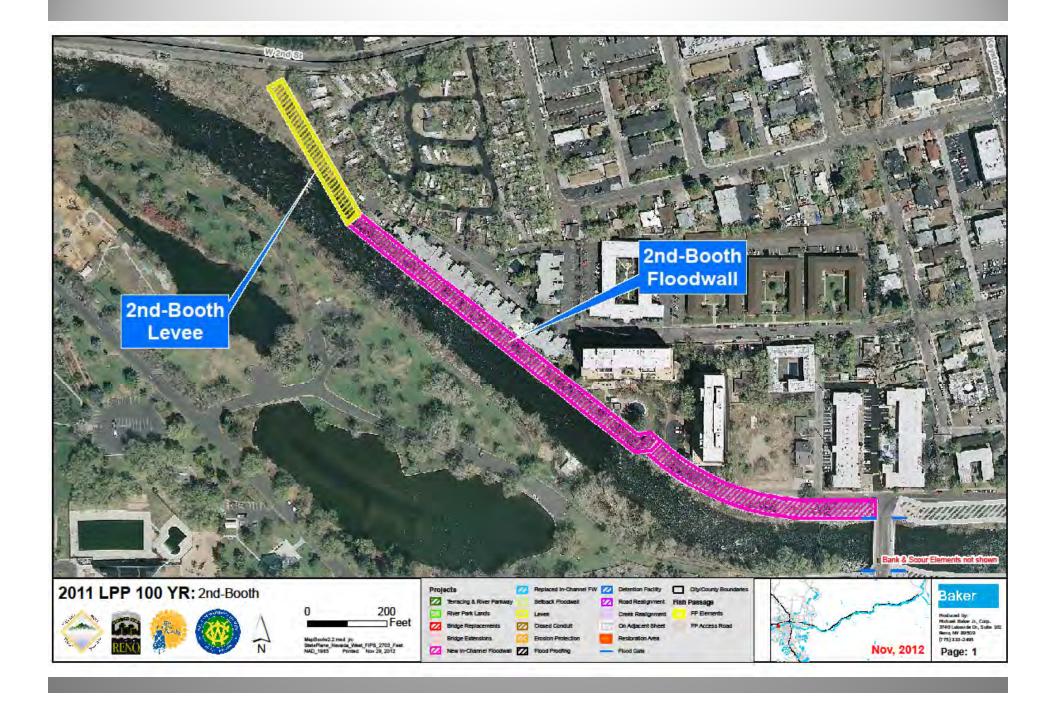


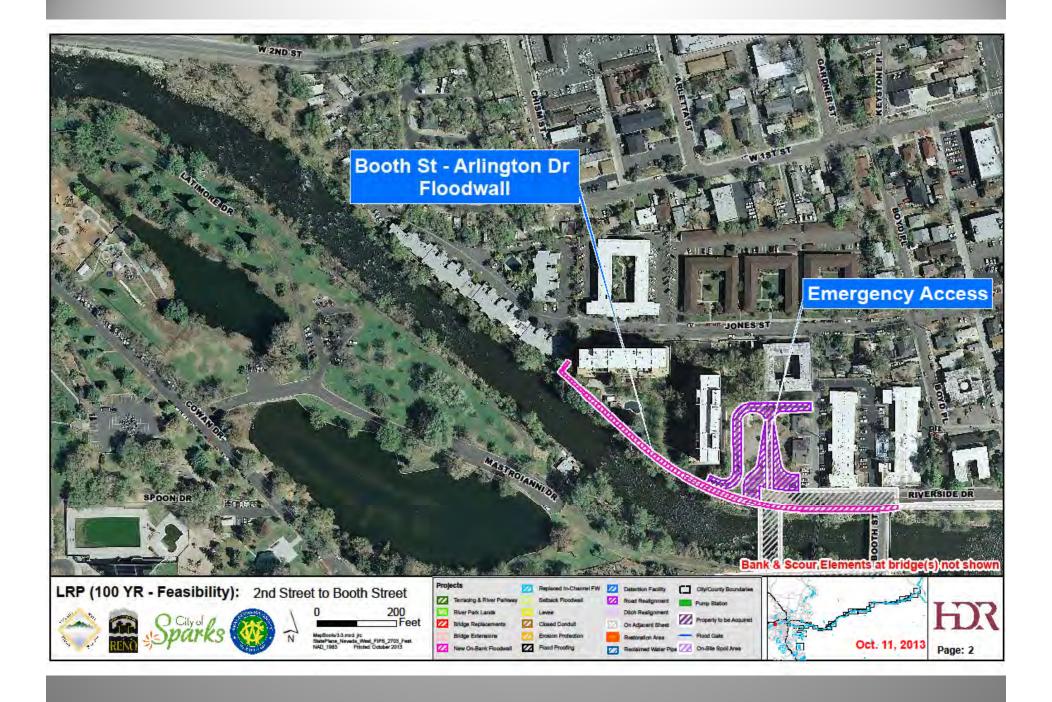
Lower Truckee River: Wadsworth

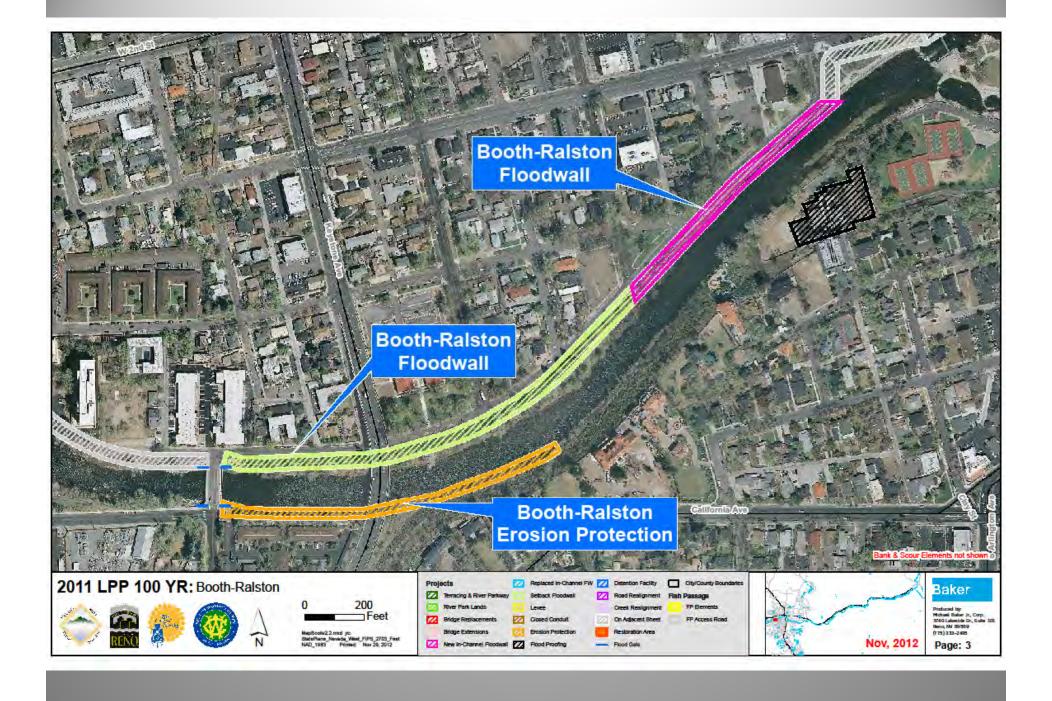


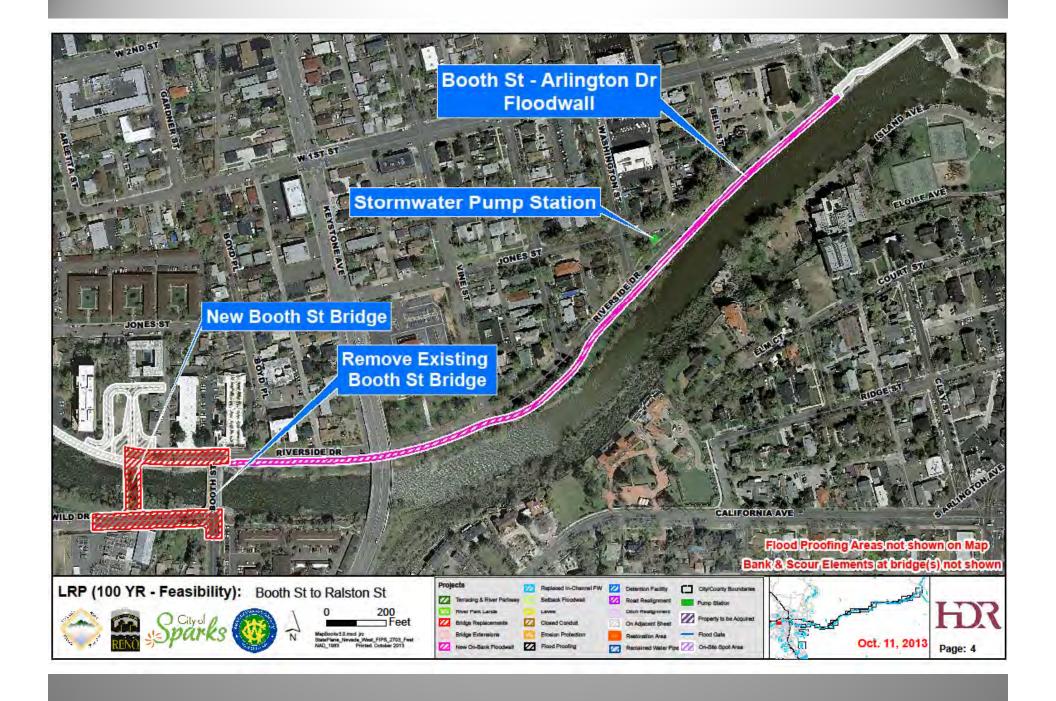
Local Rate Plan

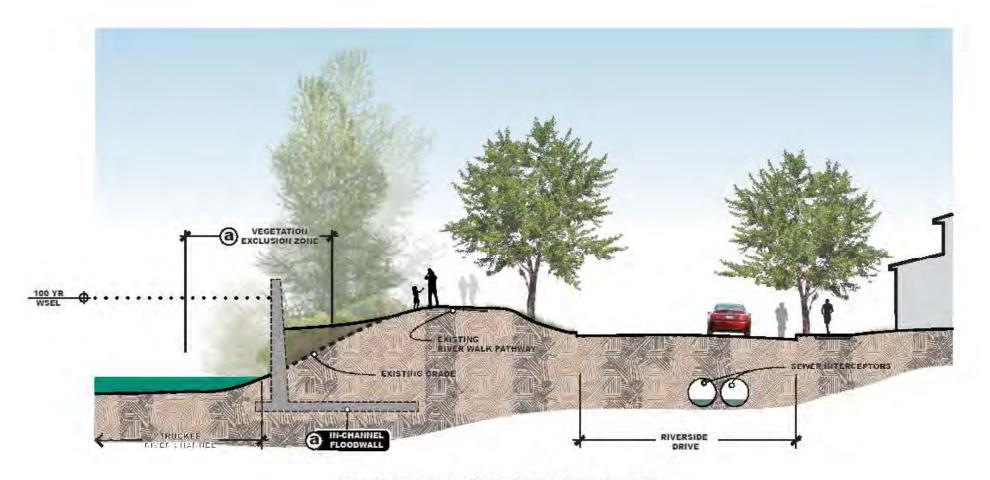
- 1. Includes all LIP features,
- 2. Downtown Improvements,
- 3. Fully compliant with the Design Criteria





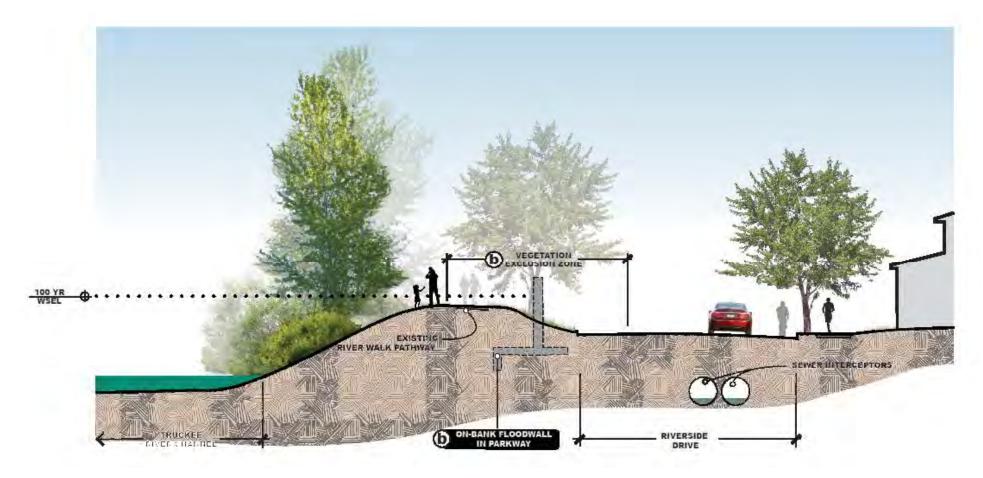






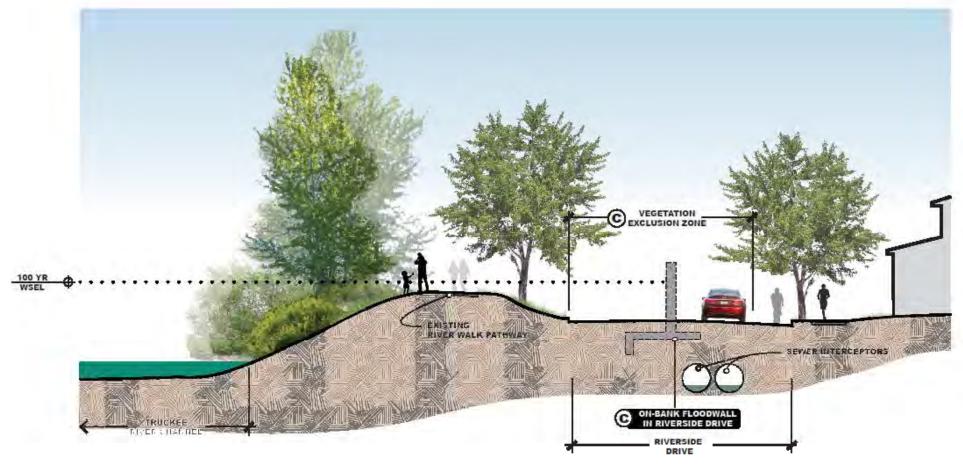
RIVERSIDE DRIVE - WEST OF WASHINGTON AVE

IN-CHANNEL FLOODWALL ALIGNMENT



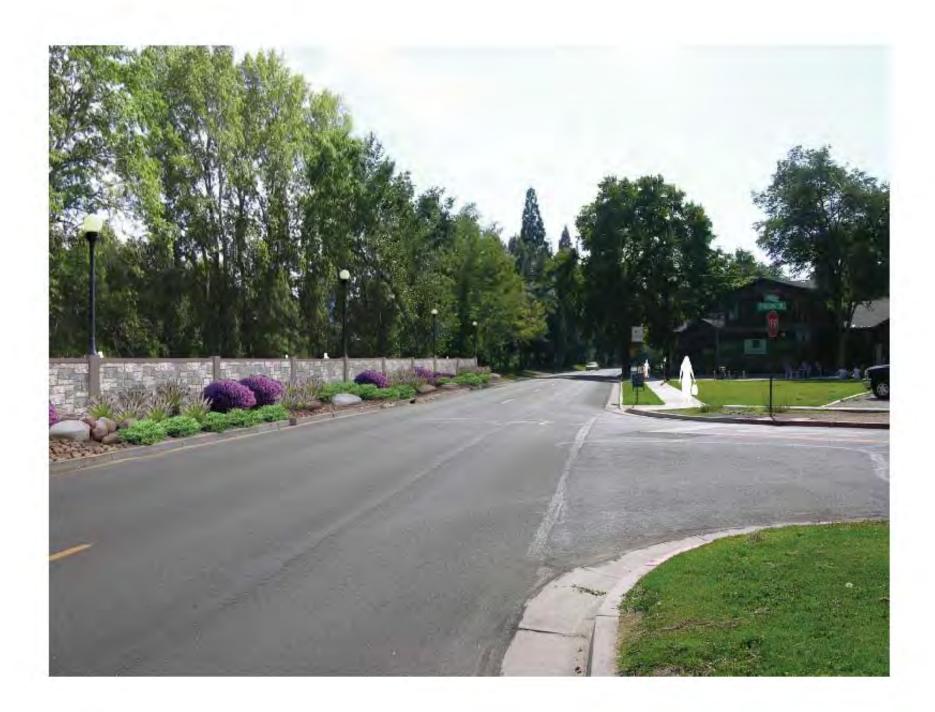
RIVERSIDE DRIVE - WEST OF WASHINGTON AVE

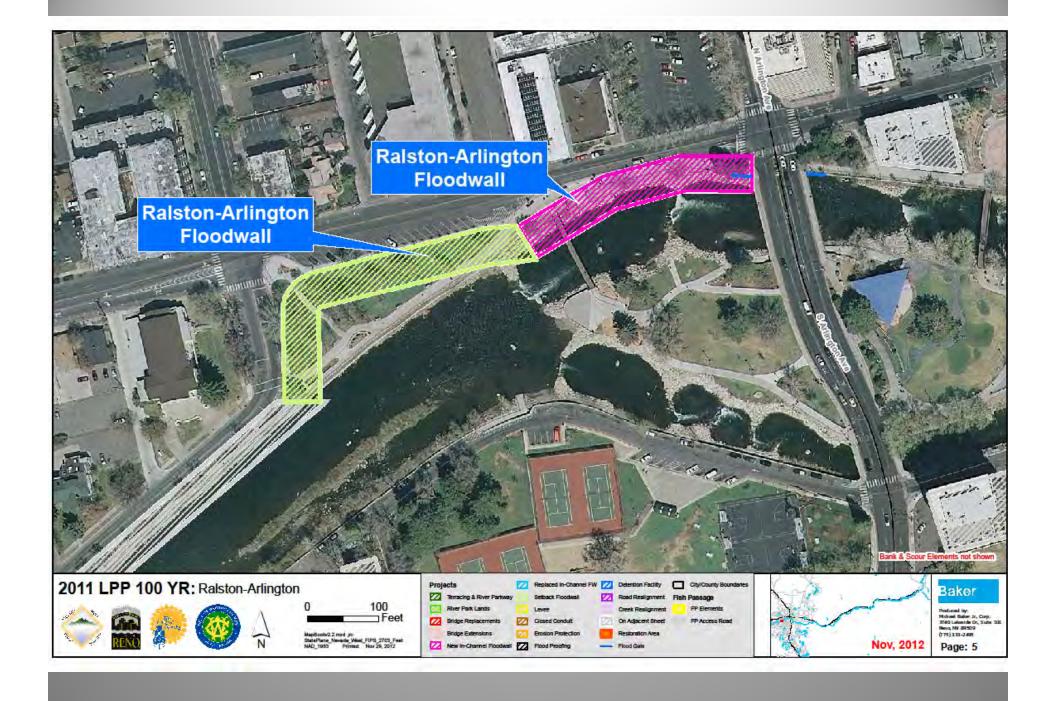
IN-PARKWAY FLOODWALL ALIGNMENT

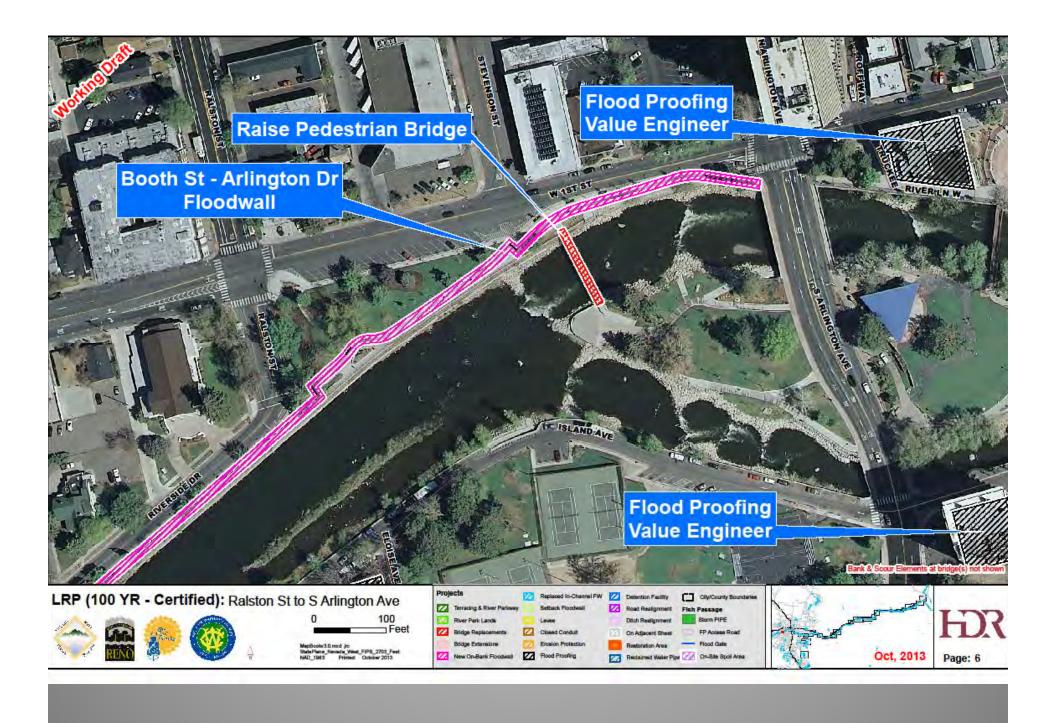


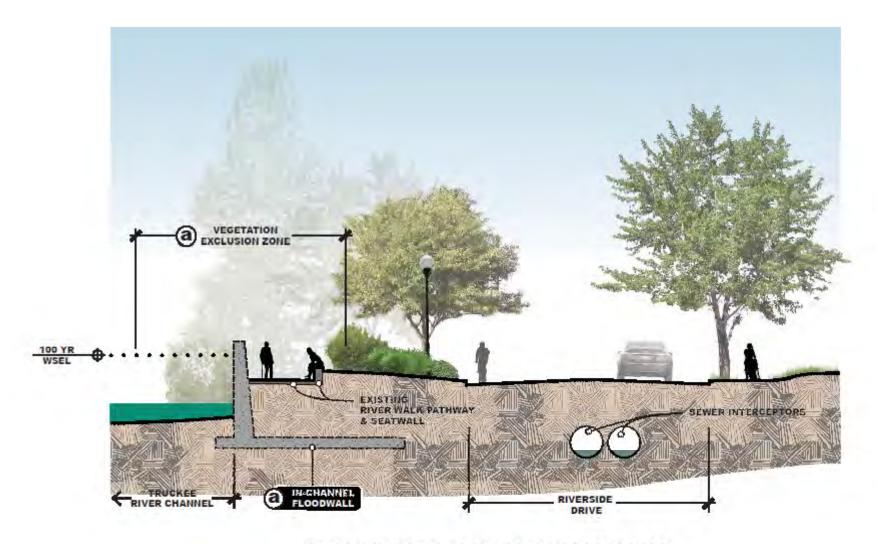
RIVERSIDE DRIVE - WEST OF WASHINGTON AVE

IN ROADWAY FLOODWALL ALIGNMENT



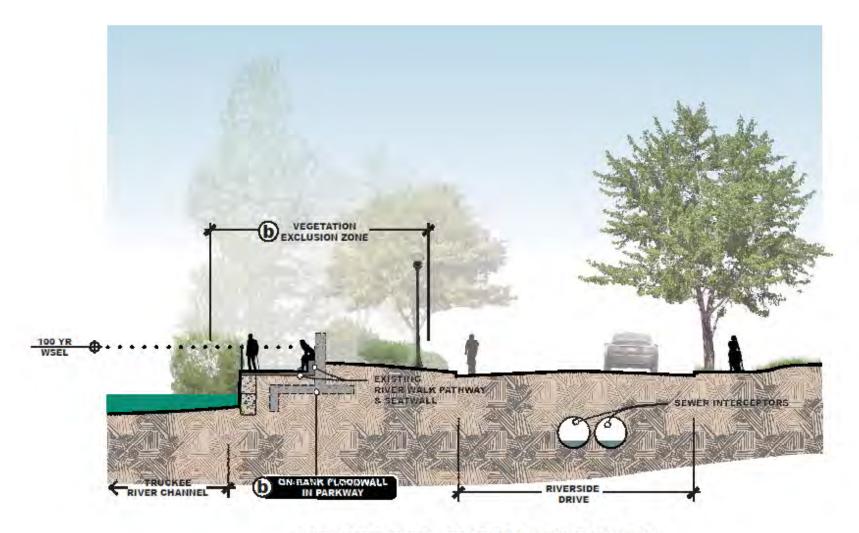






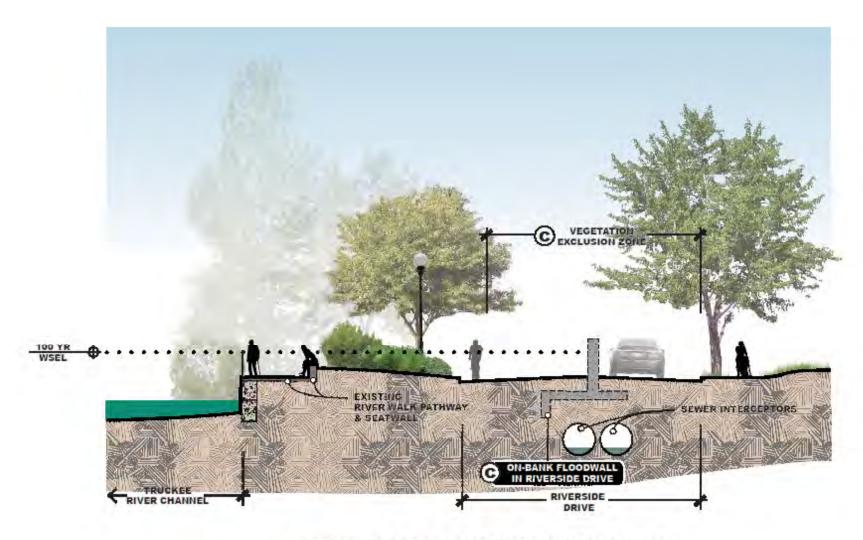
RIVERSIDE DRIVE - EAST OF WASHINGTON AVE

IN-CHANNEL FLOODWALL ALIGNMENT



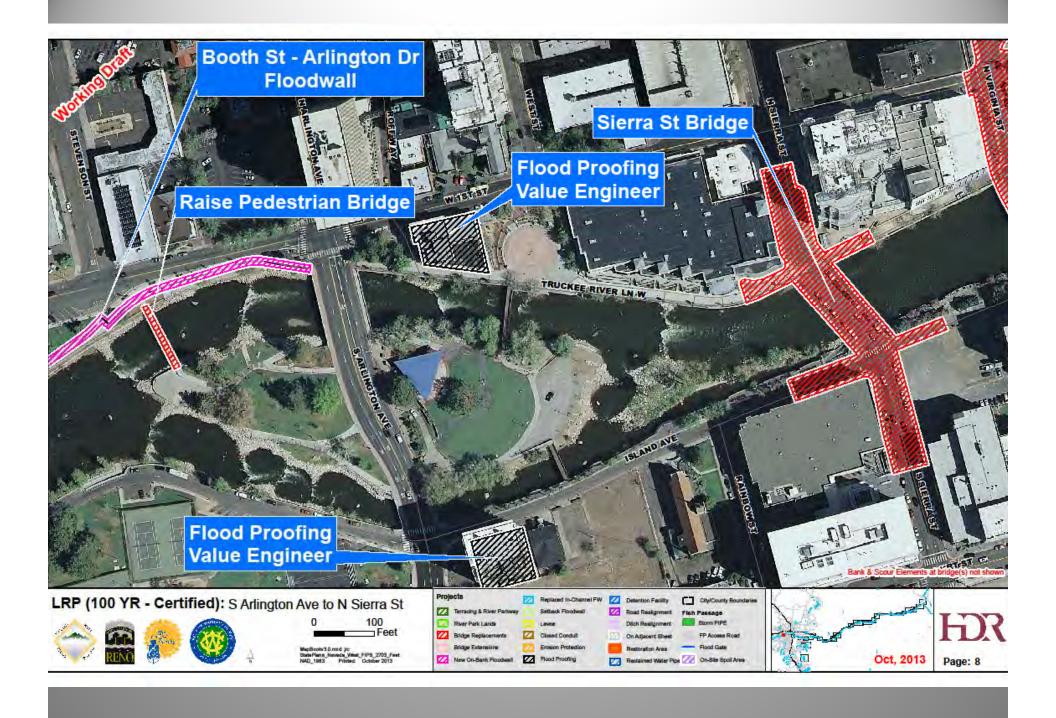
RIVERSIDE DRIVE - EAST OF WASHINGTON AVE

IN-PARKWAY FLOODWALL ALIGNMENT

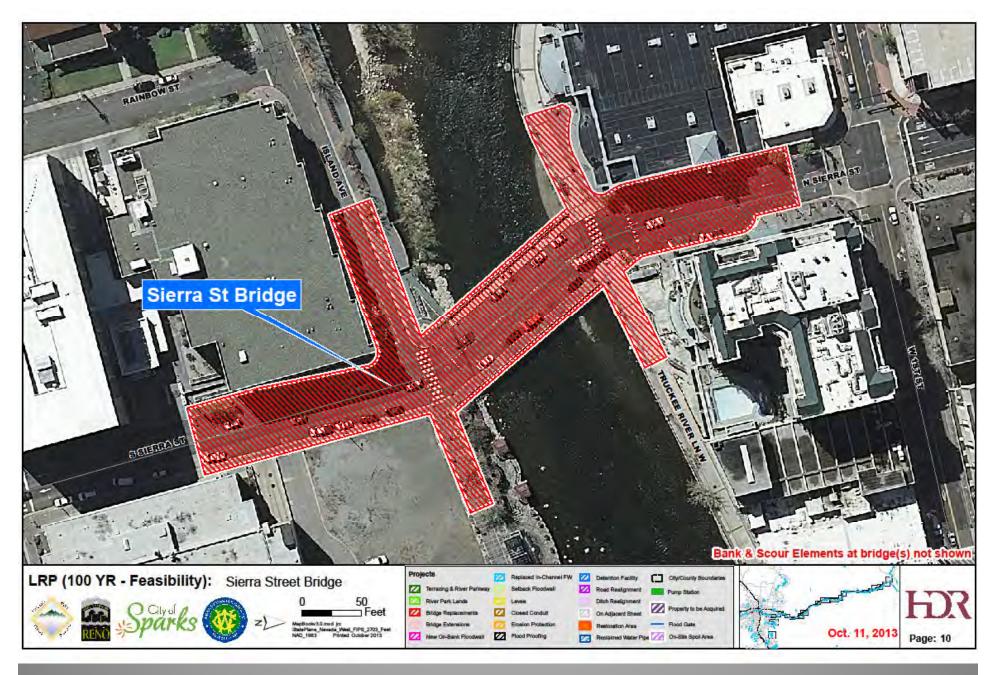


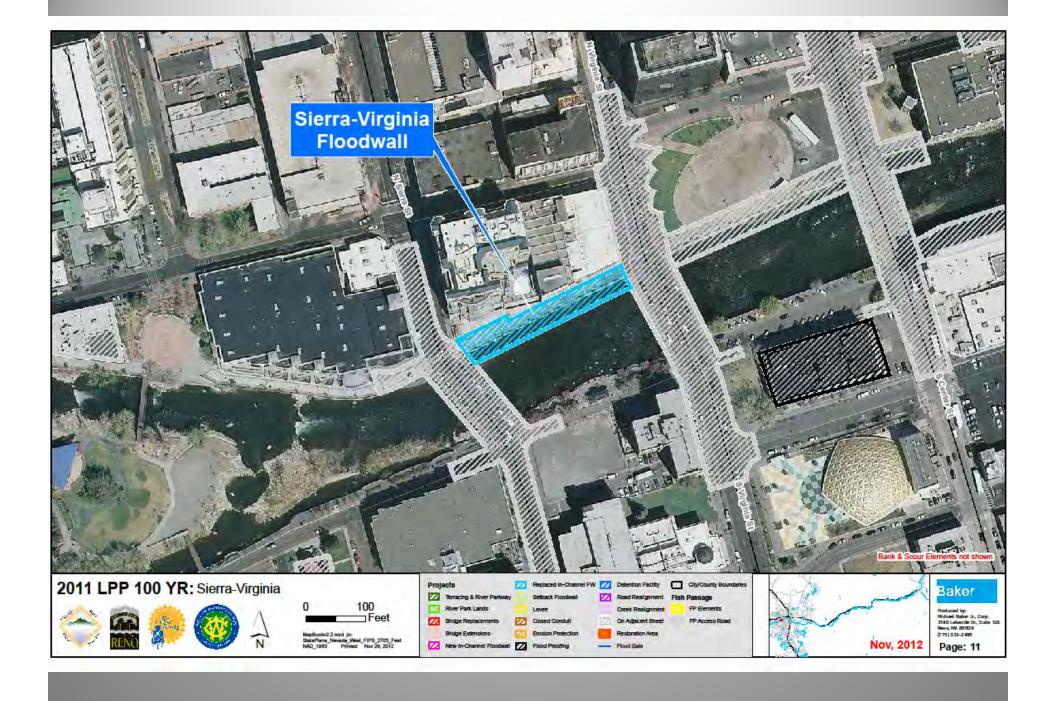
RIVERSIDE DRIVE - EAST OF WASHINGTON AVE

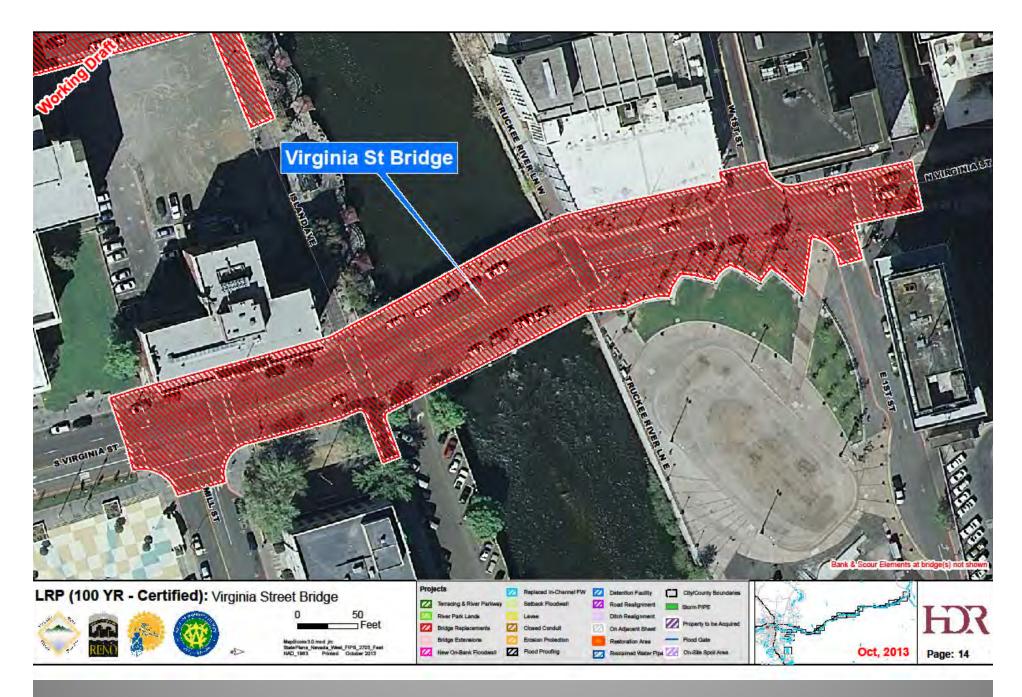
IN ROADWAY FLOODWALL ALIGNMENT

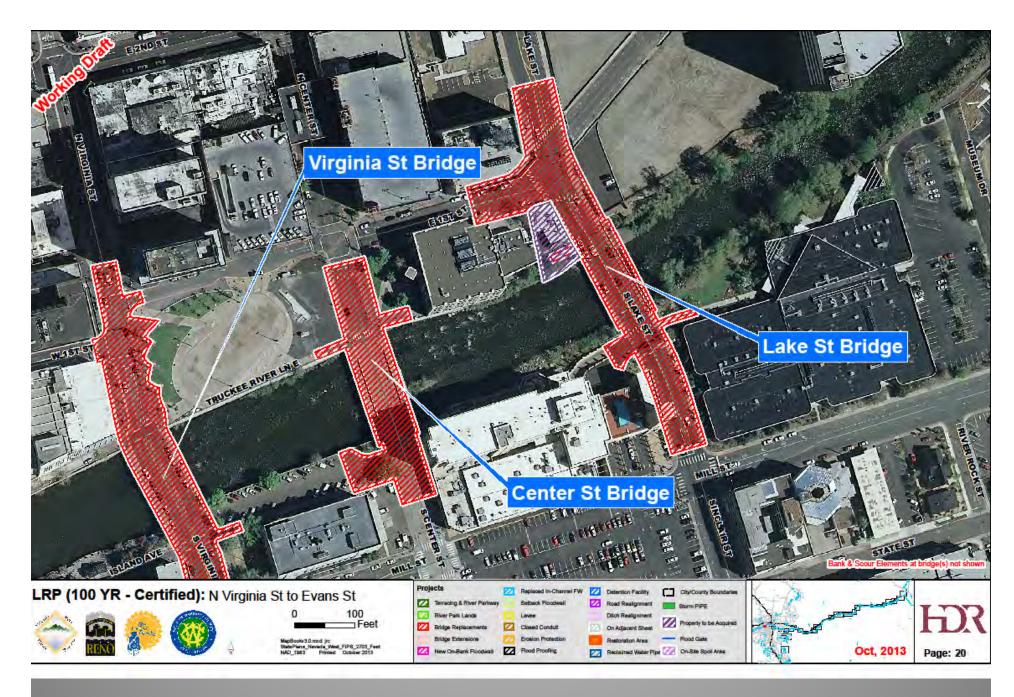




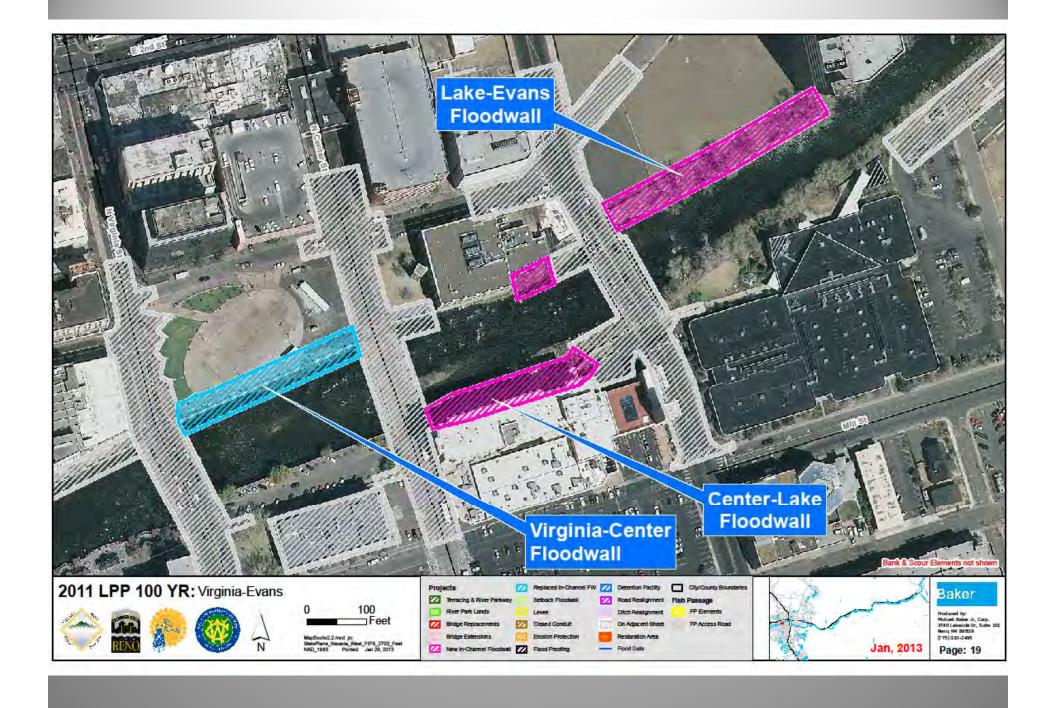


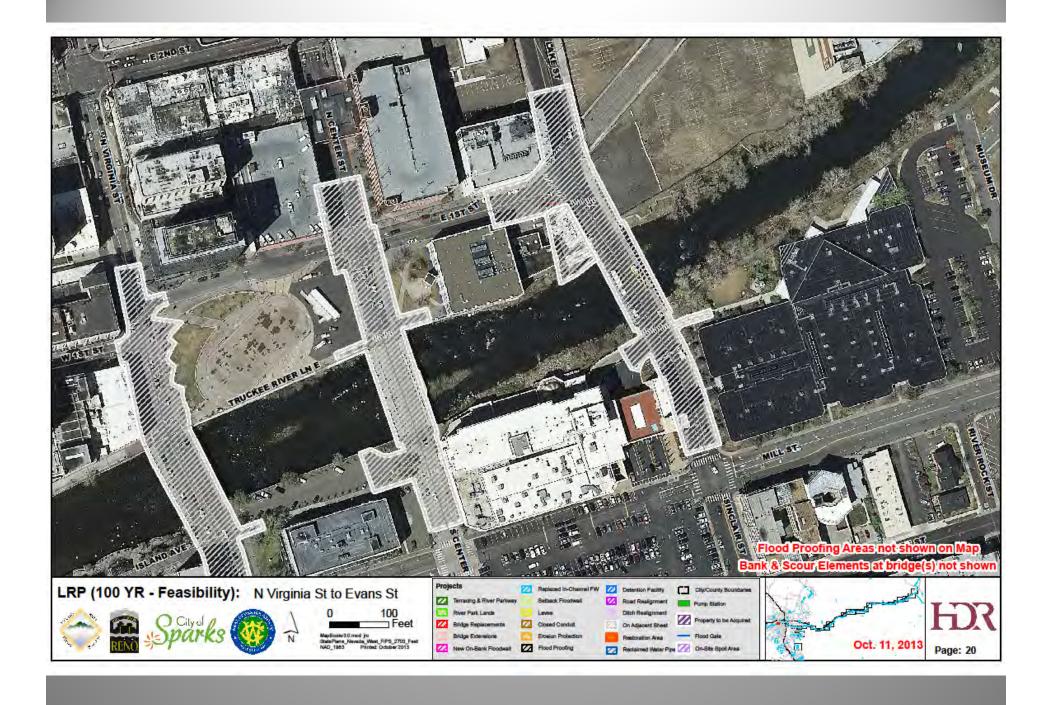






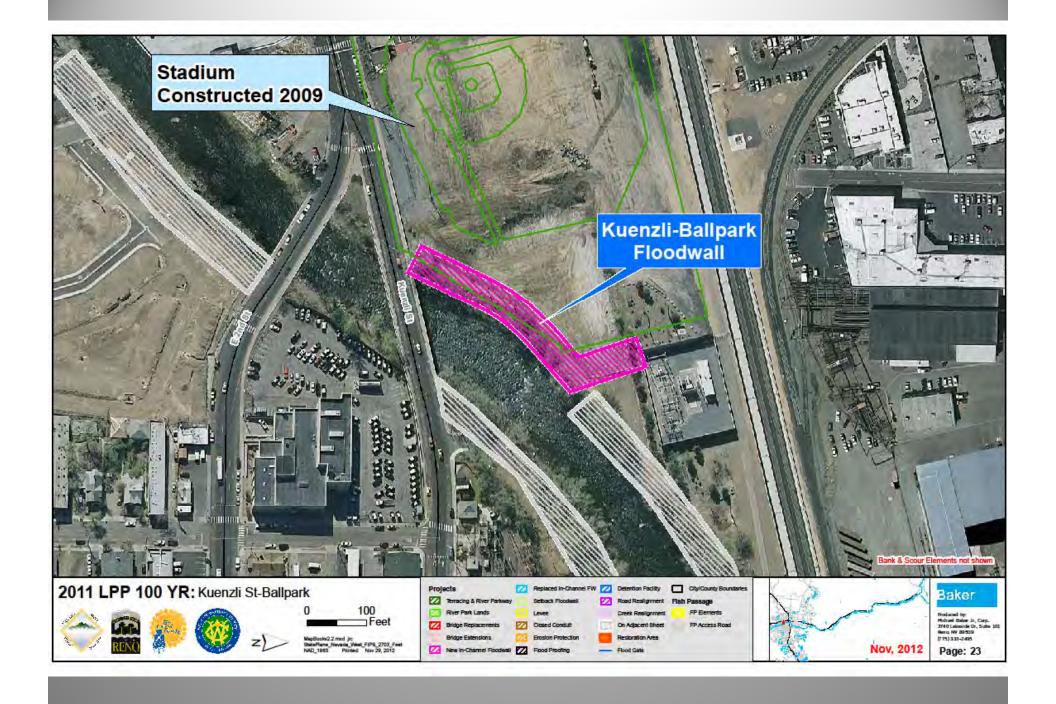
No Change From LPP



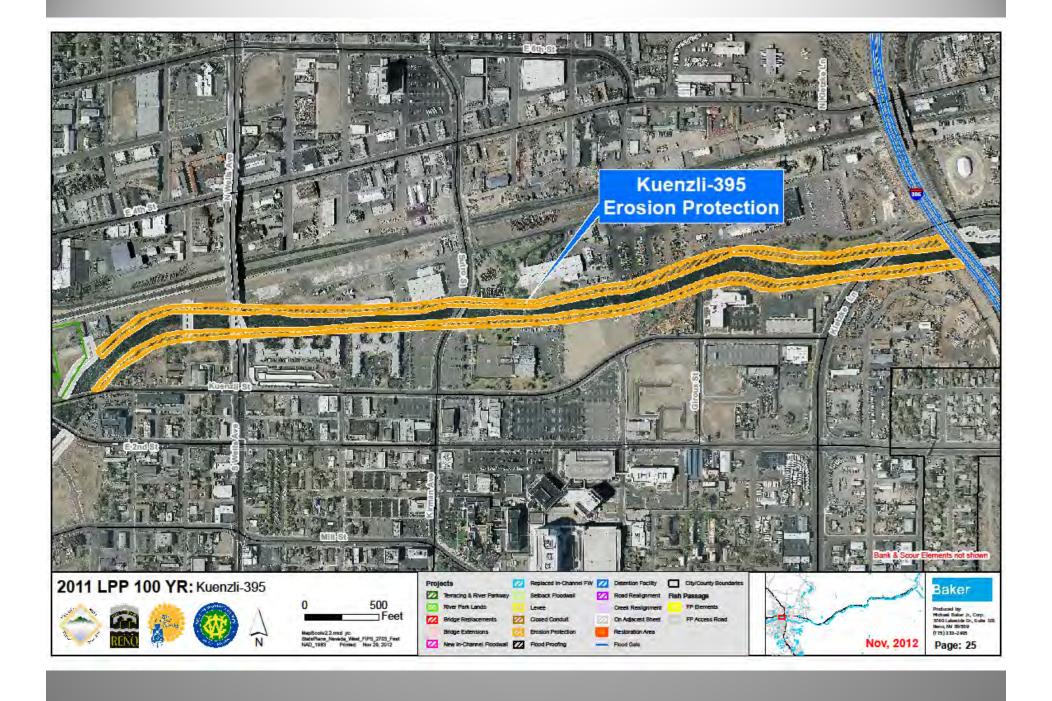




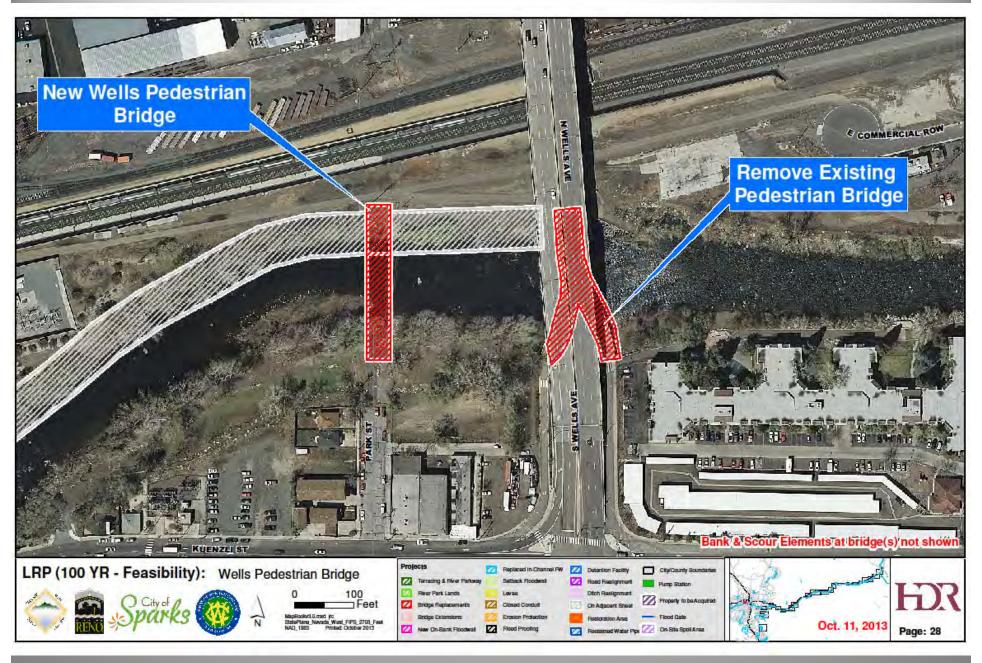












Report Card - Accomplishments

- Since June of 2012
 - Prepared an RFP
 - Hired a consultant
 - Negotiated a contract
 - Designed a project
- Schedule Best Case Scenario
 - Target date for update Sept 2013
 - Actual date for update Oct 2013



Schedule Way Forward

- Schedule Best Case Scenario
 - ◆ Complete financial modeling on the rates 6 mo
 - ◆ Vet rates before 1st hearing 3 mo
 - ◆ Vet rate before 2nd hearing 2 mo
 - ◆ Judicial Review 2 yrs

Approximate time period ~ 3 yrs before use of money for construction



