



Waller Creek Tunnel Project

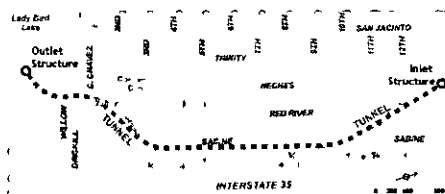
City Council Briefing

June 5, 2008

1

Briefing Outline

- Tunnel Project
 - Revised Schematics (Outlet, Inlets)
- Next Steps/Schedule
- Comments



2

Schematics and Renderings

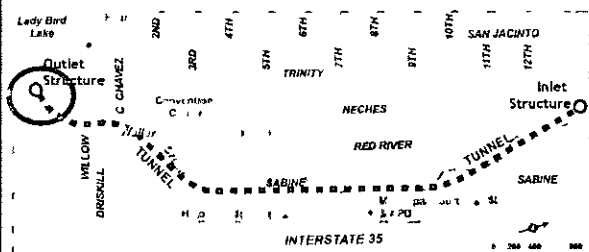


- Outlet at Lady Bird Lake
- Creek Side Tunnel Inlets
- Inlet at Waterloo Park

Public Input – Meetings, Workshops, Surveys,
Citizens Advisory Committee, Council Updates

5

Outlet at Lady Bird Lake



4

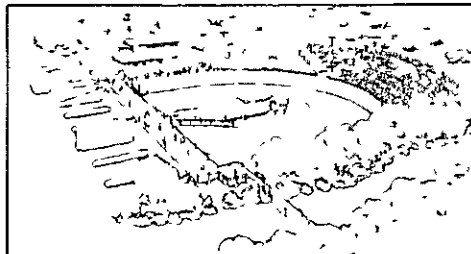
Outlet Design

- Engineering requirements
 - Flood conveyance, safety
 - Maintenance access
- Maintaining Park Use
 - Rowing clubs
 - Public access/Trail users
- Environment
 - Natural character
 - Habitat protection

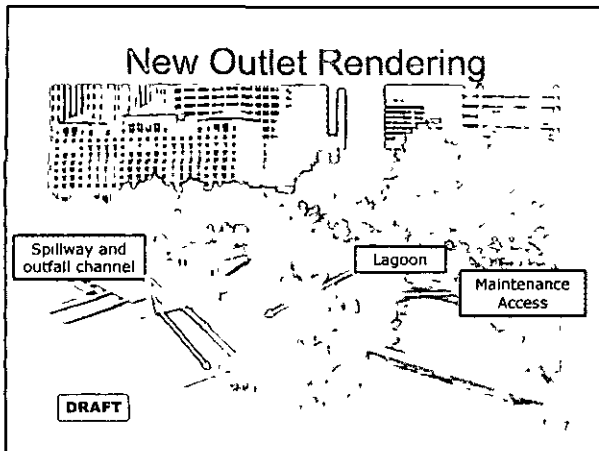
5

Original Outlet Concept

- Amphitheater concept developed by the design team in 2001



6



Benefits of Revised Outlet Schematic

- New Outlet Structure Features
 - Moved farther away from Waller Creek
 - Conservation of existing wildlife habitat islands
 - Softened structure is less imposing and maintains natural shoreline
 - Protects and preserves Live Oak trees
 - New wetland ecosystem



Benefits of Revised Outlet Schematic

- New/Improved Rowing Club Facilities
 - Club house finish floor will be above floodplain
 - Removed from 100 Foot Setback
 - New and improved dock and piers
 - Deeper launch points

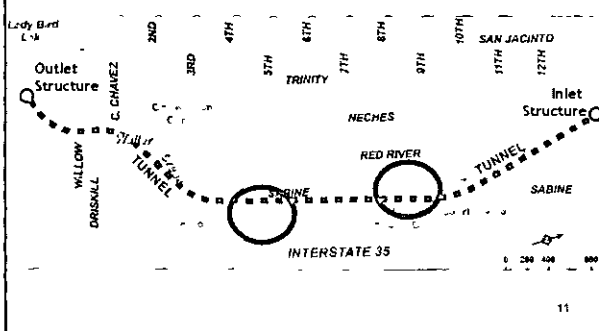


Benefits of Revised Outlet Schematic

- Trails/Bridges
 - Trail use maintained during construction
 - New trails will be ADA compliant
(Final locations to be determined in design)
 - New or upgraded bridge crossing Waller Creek
- New Observation/Overlook Point
- Educational Opportunities
- Public Restroom

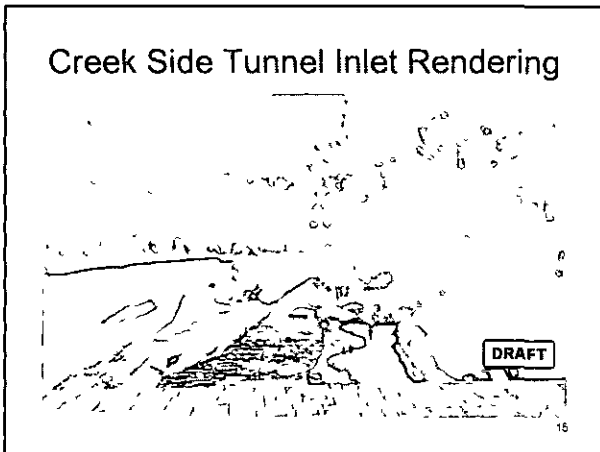
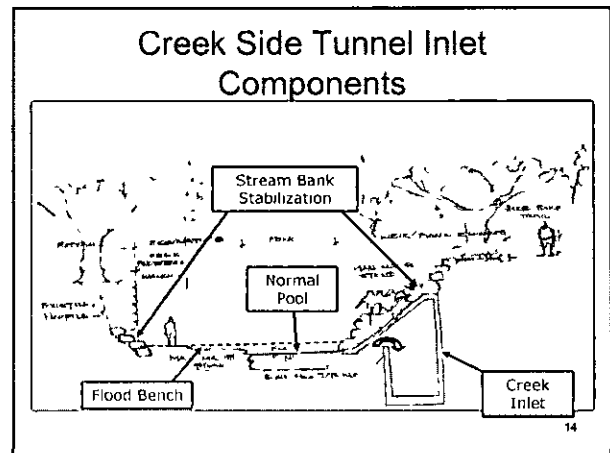
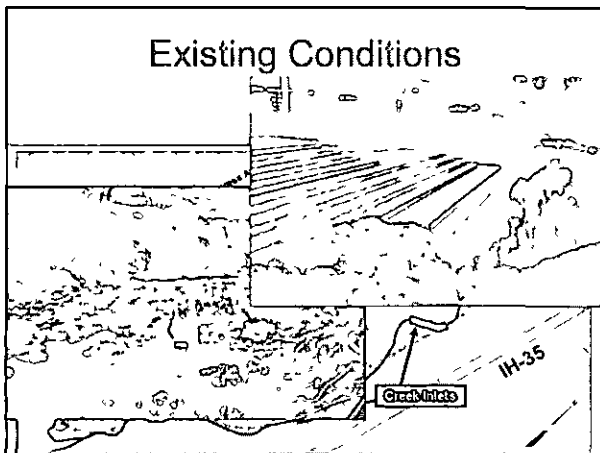


Creek Side Tunnel Inlets

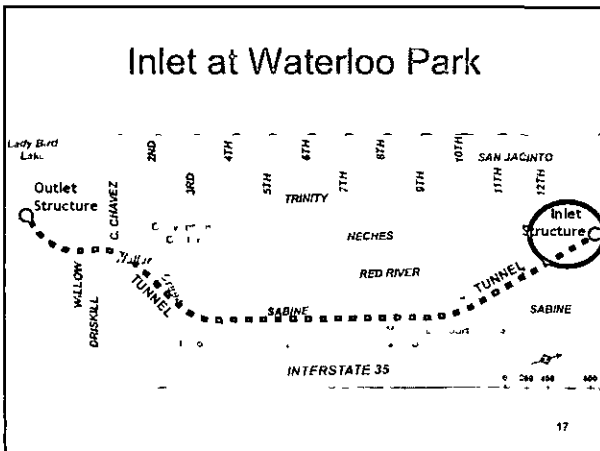


Creek Side Tunnel Inlets

- Engineering requirements
 - Capture additional street and storm drain run-off
 - Screen debris and litter
- Environment
 - Stabilize creek bank
 - Restore natural habitat and vegetation
- Compatible with future master plan
 - Public access/redevelopment opportunities



- ### Creek Side Tunnel Inlets Benefits
- Capture of additional storm run-off
 - Stream bank restoration and stabilization through natural channel design
 - Water quality
 - Riffles and pools
 - Removal point for debris and litter
 - Vegetated flood bench
 - Connections for potential master plan amenities
 - Pedestrian access/redevelopment opportunities



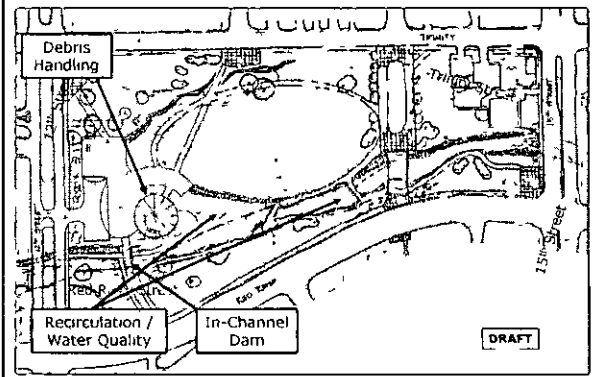
- ### Inlet at Waterloo Park
- Engineering requirements
 - Flood Conveyance/Safety
 - Maintenance Access
 - Maintain/improve park use
 - For organized events and casual users
 - Protect/ Improve Environment
 - Tree protection
 - Water quality

Original Inlet Concept

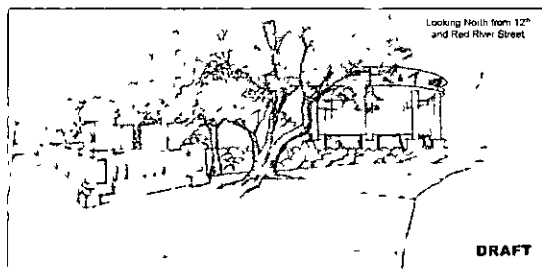


11

Inlet Structure Components



New Inlet Rendering



21

Benefits of New Inlet Schematic

- Preserves more event area
- Maintains and improves trails/bridges
 - New trails will be ADA compliant
 - Enhanced bikeway
 - Adds event delivery vehicle access
- Scenic overlook, signs
- Water features
- Irrigation system



Next Steps/ Schedule

Three Dimensional Models June 5 2008

Chapter 26 Park Mitigation

- Parks Board June 24 2008
- Council Public Hearing July 21 2008

Design January 2009 January 2010

Bid and Award January 2010 June 2010

Construction June 2010 August 2014

Warranty Phase August 2014 – August 2015

23

Comments/Questions

24