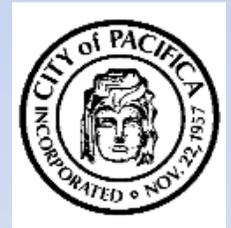


San Pedro Creek Bridge Replacement and Creek Widening Project State Route 1 – Pacifica, CA



Project Background

- Does not meet current seismic & structural standards
- Bridge deck is below flood zone elevation
- No capacity for 100 year storm flow in creek from bridge to ocean
- Benefits of the project include:
 - Completes Flood Control Project for lower Linda Mar
 - Expand habitat for CA Red-legged Frog and Steelhead
 - Provide connection of disconnected trail system
 - Be constructed to current seismic & structural codes

Project Status

- Environmental Phase: Complete; Permits issued
- Design Phase: Complete
- Bid Phase in Process: Bids opened 2/4/2014
- Construction: April 2014 to October 2015

Project Permits

- U.S. Fish and Wildlife Service (Biological Opinion)
- Nat'l Marine Fisheries Service (Biological Opinion)
- U.S. Army Corps of Engineers (404)
- California Coastal Commission (CDP)
- California Department of Fish and Wildlife (1600)
- Regional Water Quality Control Board (401)

Project Funding

- The San Pedro Creek Bridge Replacement and Creek Widening Project is estimated to cost \$17.45 M
- Project Funding:
 - Federal Earmark \$3.3M
 - Federal One Bay Area Grant \$1.141 M
 - State \$3M
 - County TA (Measure A) \$10.054M
 - Total: \$17.495M

How Full Detour was Selected

- Several Detour Scenarios
 - Full Closure of SR 1: **No** Traffic South of Linda Mar Blvd
 - Split Detour: NB Traffic on Existing Bridge, SB Traffic on San Pedro Ave
 - Split Detour: NB Traffic on Temporary Bridge, SB Traffic on San Pedro Ave
 - Full Detour: All Traffic on San Pedro Ave

How Full Detour was Selected

- Selection Criteria
 - Delay and Project Duration
 - Environmental Impact
 - Safety
 - Timing for Project Implementation
 - Cost

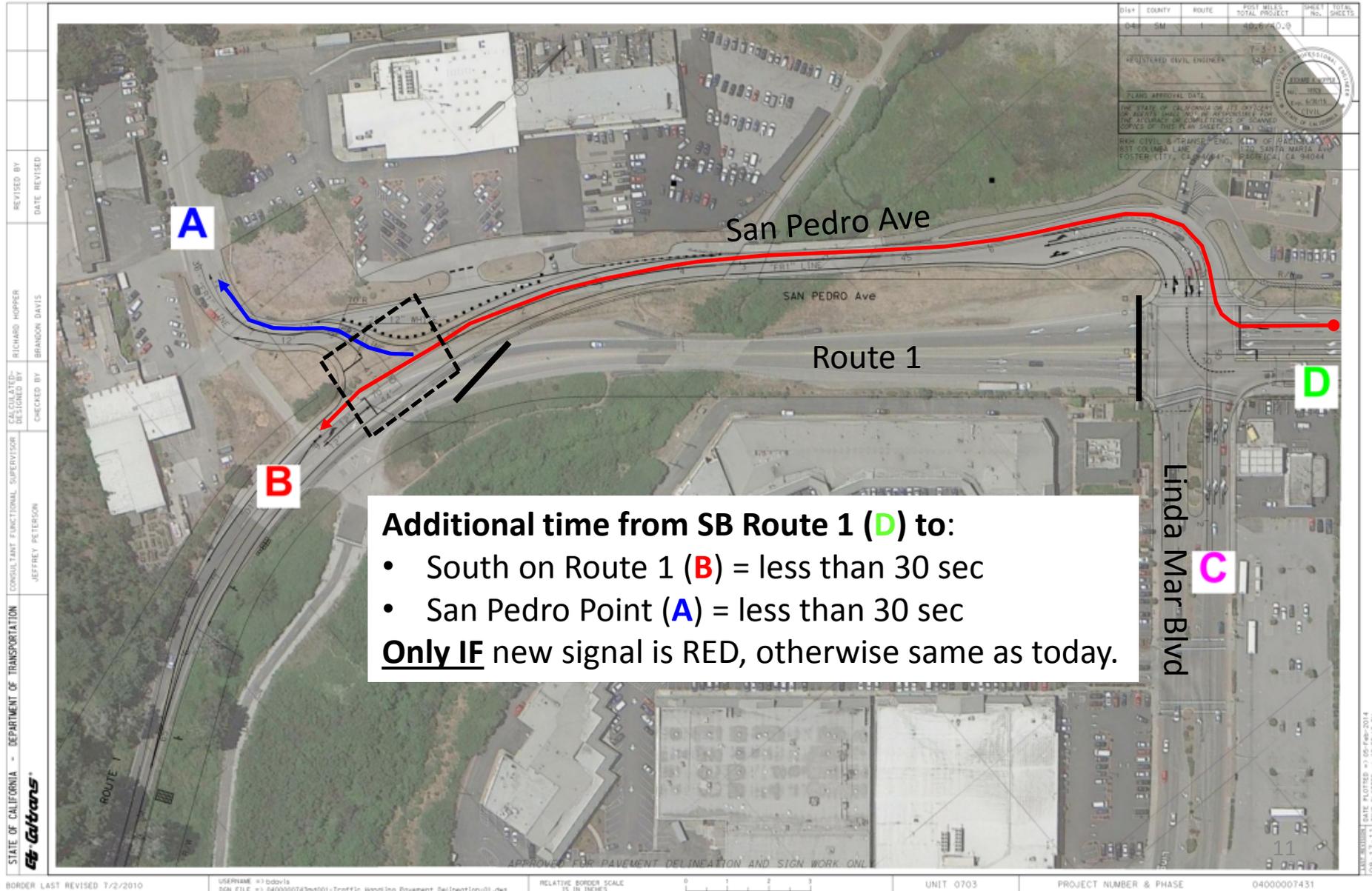
Selected Scenario-Full Detour

- Least Impacts
 - ✓ Shortest Delay Over Duration of Project
 - ✓ No Additional Environmental Impacts
 - ✓ Safest-Provides Widest Buffer Between Traveling Public and Construction
 - ✓ No Additional Cost
 - ✓ No Additional Timeline for Project Implementation

Additional Day to Day Wait Times

- New Detour Adds up to 30 sec for Most Trips
 - One Exception is Longer in PM Peak Hour
- Calculated as Worst Case Including:
 - AM Peak Hour 7:30 to 8:30 am
 - PM Peak Hour 4 to 5 pm
 - A Pedestrian Phase at Linda Mar
 - Just Missed Light
- Some Movements are Faster or Same as Today
- Detour Change Overs will be Longer, but Off Peak

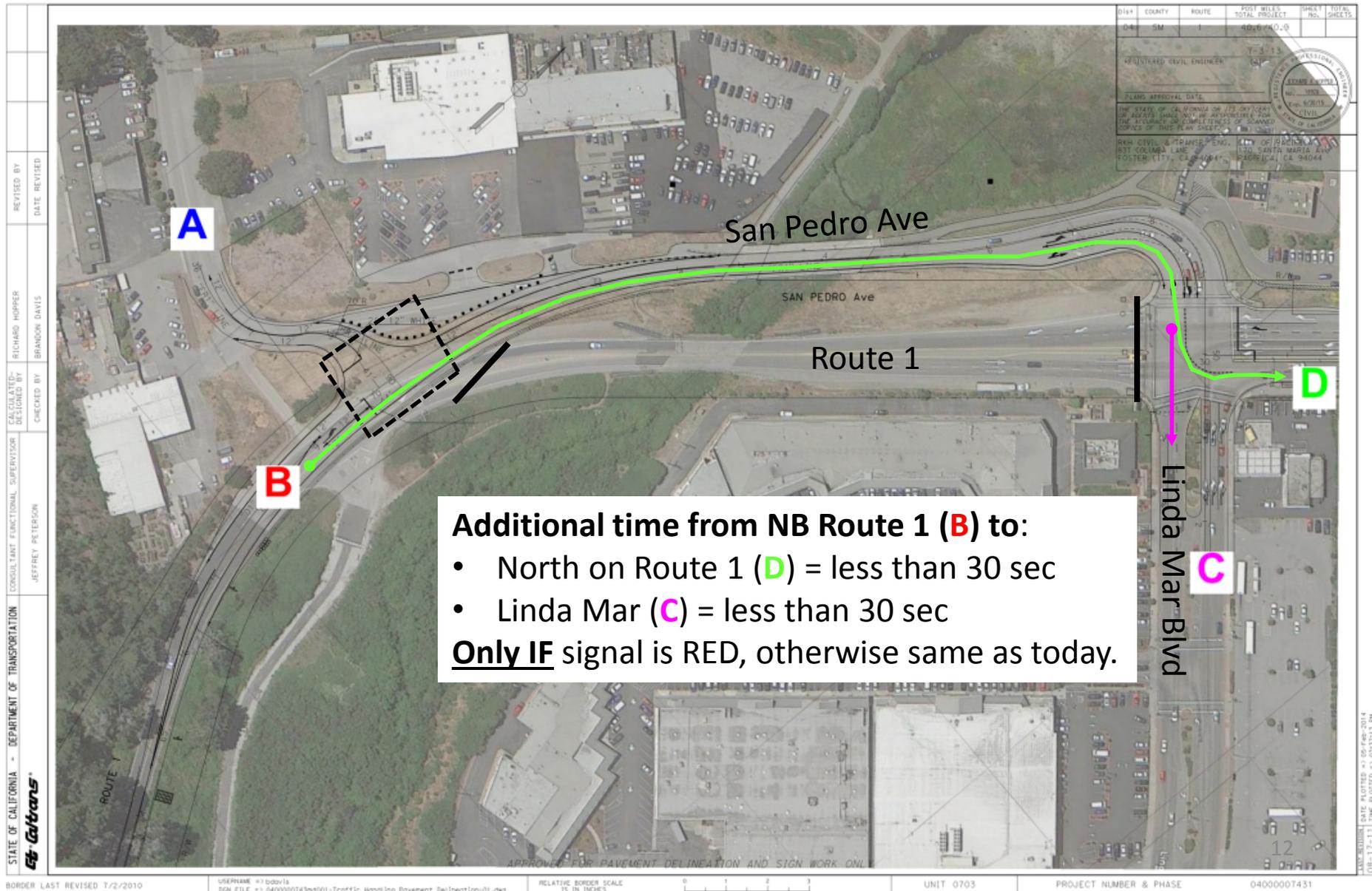
Day to Day Full Detour



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SM	1	48.6740.0	7-5-13	

REGISTERED CIVIL ENGINEER
 PLAN APPROVAL DATE
 THE STATE OF CALIFORNIA SHALL BE RESPONSIBLE FOR THE ACCURACY AND COMPLETENESS OF THE SCANNED COPIES OF THIS PLAN SHEET.
 JOHN CIVIL & TRAFFIC ENGR. CITY OF PACIFIC PALMS
 170 SANTA MARIA LANE
 FOSTER CITY, CA 94024

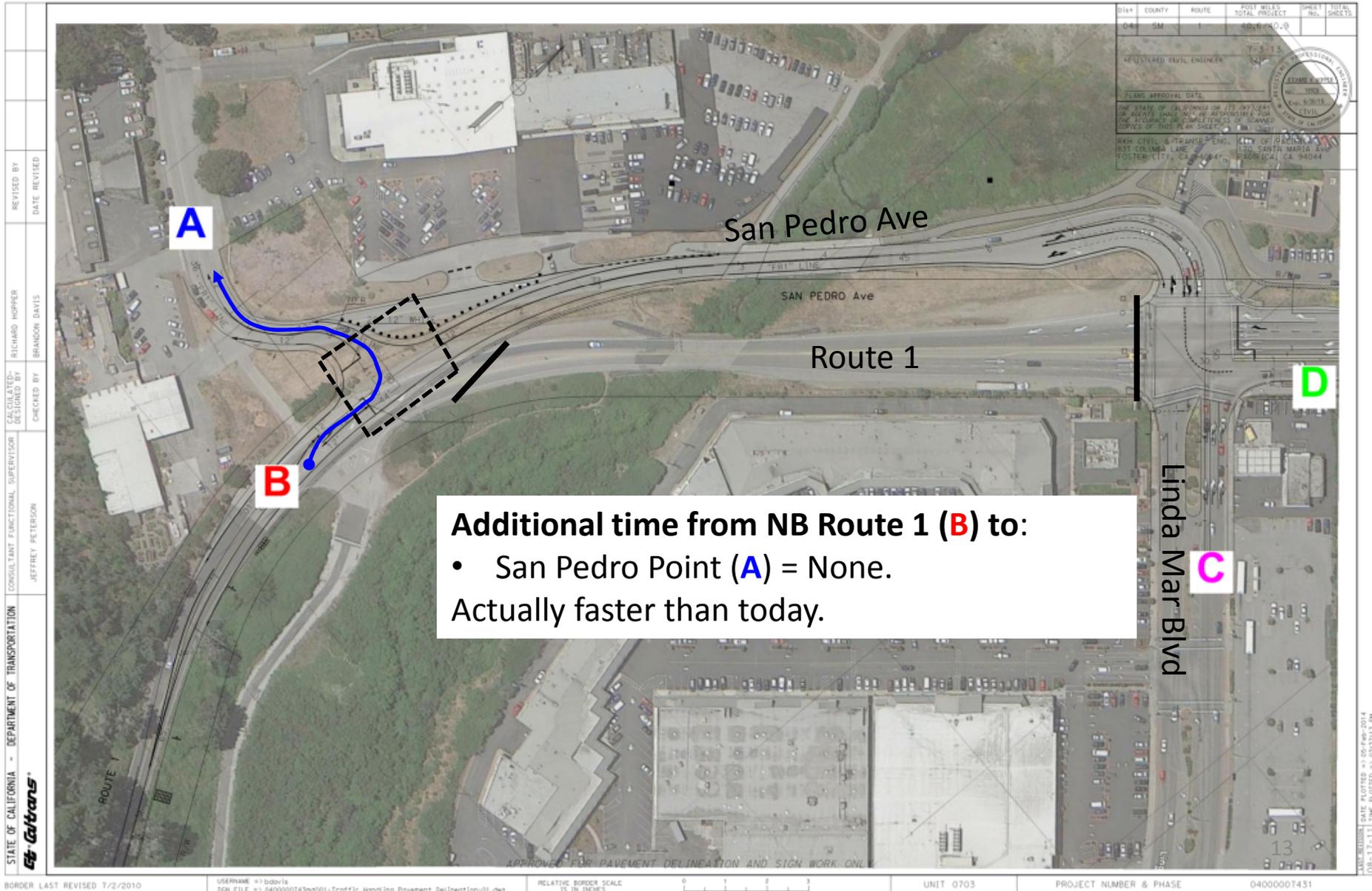
Day to Day Full Detour



DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SM	1	48.6740.0	7-5-13	

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 JOHN CIVIL & TRAFFIC ENGR. CITY OF PACIFICA
 170 SANTA MARIA LANE
 FOSTER CITY, CA 94024

Day to Day – Full Detour



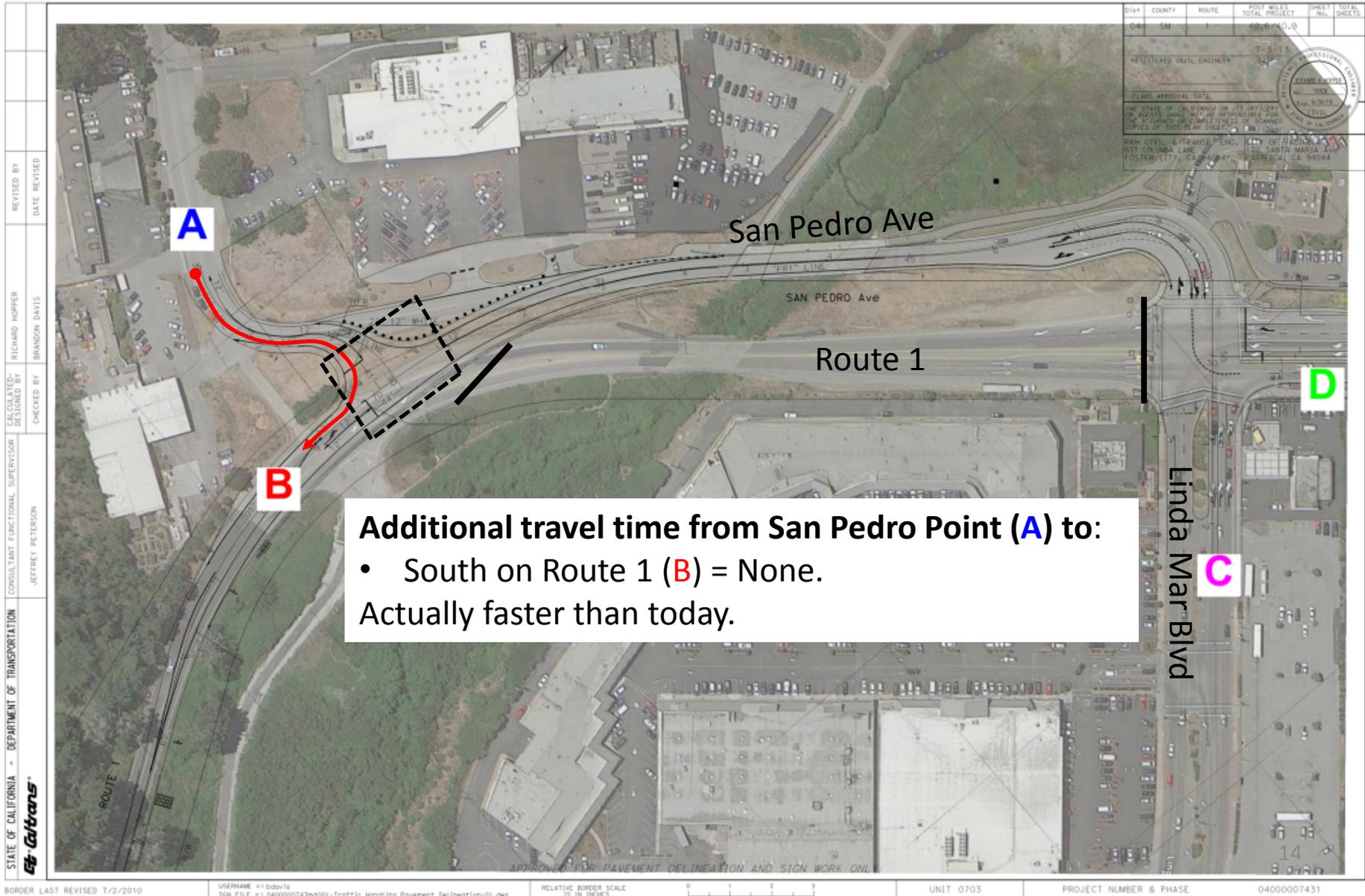
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SM	1	40.6740.0	7-5-13	

REGISTERED CIVIL ENGINEER	PROFESSIONAL SEAL
PLANS APPROVAL DATE	NO. 30813
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENCIES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.	
BRIAN CIVIL & TRAFFIC ENGR. CITY OF PASADENA 170 SANTA MARIA LANE FOSTER CITY, CA 94024	

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT FUNCTIONAL SUPERVISOR: RICHARD HOPPER
 CHECKED BY: BRADCOCK DAVIS
 CALCULATED/DESIGNED BY: JEFFREY PETERSON
 REVISIONS: 01
 DATE REVISED: 7/2/2010

DATE PLOTTED: 05/FEB/2014
 TIME PLOTTED: 03:05:31:13 PM

Day to Day – Full Detour

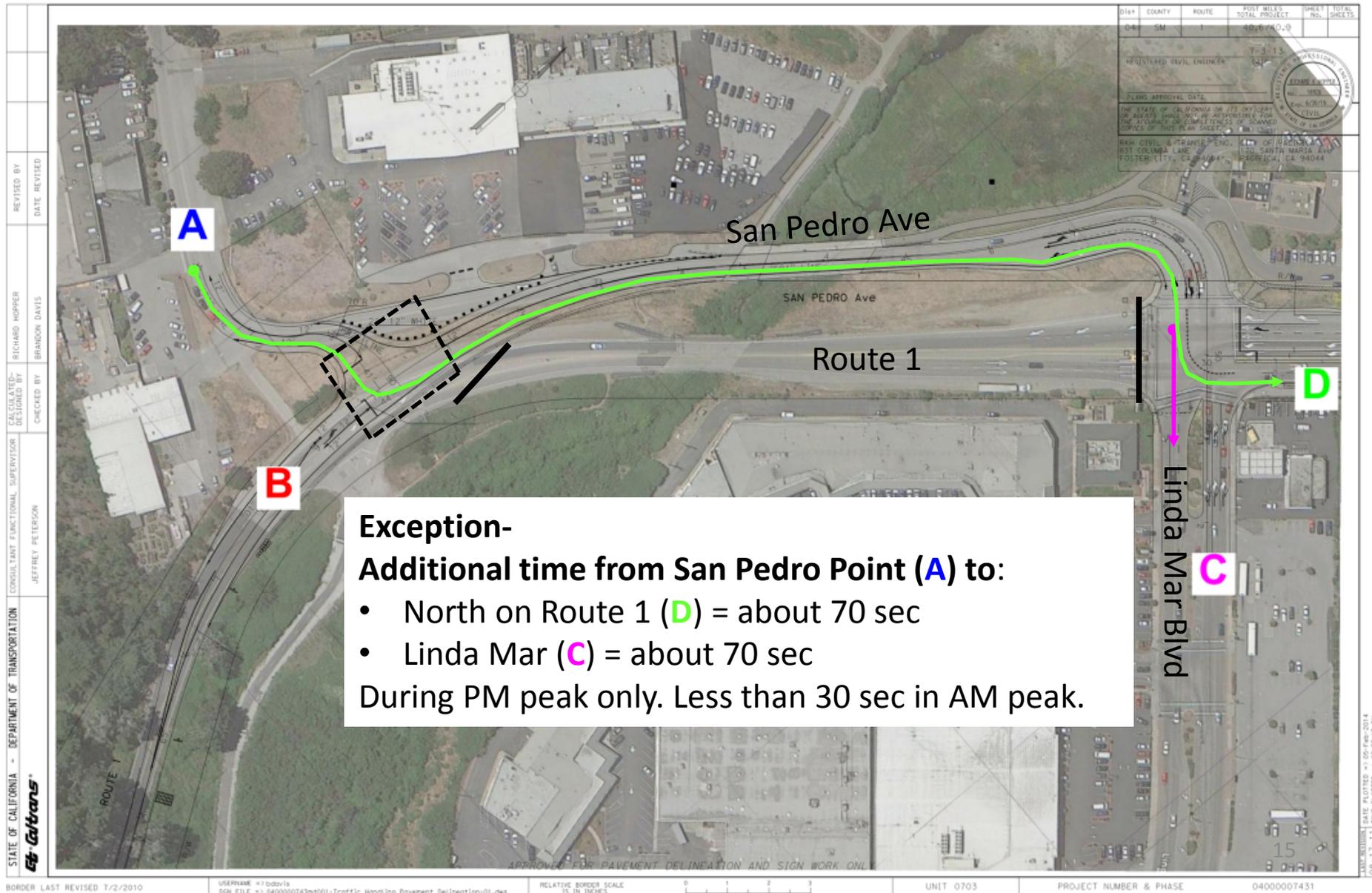


DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
04	SM	1	40.6740.0	7-5-13	

REGISTERED CIVIL ENGINEER	PROFESSIONAL SEAL
PLANS APPROVAL DATE	NO. 30813
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BRAH CIVIL & TRAFFIC ENGRS. INC.	CITY OF PASADENA
1837 COLUMBIA LANE	170 SANTA MARIA LANE
FOSTER CITY, CA 94404	PASADENA, CA 94044

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
Caltrans
 CONSULTANT FUNCTIONAL SUPERVISOR: RICHARD HOPPER
 CHECKED BY: BRADCOCK DAVIS
 CALCULATED-DESIGNED BY: JEFFREY PETERSON
 REVISION DATE PLOTTED: 05/FEB/2014
 00-17-11 TIME PLOTTED: 03:05:31:13 PM

Day to Day – Full Detour



Construction Schedule Season 1

- Begin Construction Mid-April, 2014
 - Detour construction: about 6 weeks
 - Switch traffic to detour: June 2014
 - Demolition, creek widening/restoration, foundation construction: June, 2014 to October, 2014
- Environmental Work Restriction
 - October, 2014 to April, 2015

Construction Schedule Season 2

- Resume Construction Mid-April, 2015
 - Complete bridge and roadway construction:
April, 2015 to October, 2015
 - Switch traffic back to Route 1: October, 2015
 - Remove detour and complete construction:
October, 2015
- End Construction 2015

San Pedro Creek Bridge Replacement and Creek Widening Project State Route 1 – Pacifica, CA

- Simulation
- For More Information
 - Caltrans will have a website
 - Project Information
 - Regular updates
 - Link on City website
- Questions?

