

US 101 Express Lane Project Future Creek Bridge Widening

Coyote Creek Bridge, PM 19.21

	Southbound								Northbound							
	Outside Shoulder	GP Lane	GP Lane	GP Lane	Buffer	Express Lane	Express Lane	Inside Shoulder	Inside Shoulder	Express Lane	Express Lane	Buffer	GP Lane	GP Lane	GP Lane	Outside Shoulder
South of Bridge	10'	12'	12'	12'	2'	11'	11'	10'	10'	11'	11'	2'	12'	12'	12'	10'
Without Widening	10'	12'	12'	12'	2'	11'	11'	2'	2'	11'	11'	2'	11'	11'	12'	9'
With Widening	10'	12'	12'	12'	2'	11'	11'	10'	10'	11'	11'	2'	12'	12'	12'	10'
North of Bridge	10'	12'	12'	12'	2'	12'	12'	10'	10'	12'	12'	2'	12'	12'	12'	10'

Guadalupe River Bridge, PM 40.19, (Widen SB101 Bridge Only)

	Southbound									Northbound									
	Outside Shoulder	Auxiliary Lane	GP Lane	GP Lane	GP Lane	Buffer	Express Lane	Express Lane	Inside Shoulder	Inside Shoulder	Express Lane	Express Lane	Buffer	GP Lane	GP Lane	GP Lane	Ramp	Ramp	Outside Shoulder
South of Bridge	10'	12'	12'	11'	11'	2'	11'	11'	2'	3'	11'	11'	2'	11'	11'	12'	12'	12'	10'
Without Widening	8'	12'	12'	11'	11'	2'	11'	11'	2'	3'	11'	11'	2'	11'	11'	12'	12'	12'	6'
With Widening	10'	12'	12'	12'	12'	2'	11'	11'	10'	3'	11'	11'	2'	11'	11'	12'	12'	12'	6'
North of Bridge	10'	12'	12'	12'	12'	2'	11'	11'	4'	3'	11'	11'	2'	11'	11'	12'	12'	12'	10'

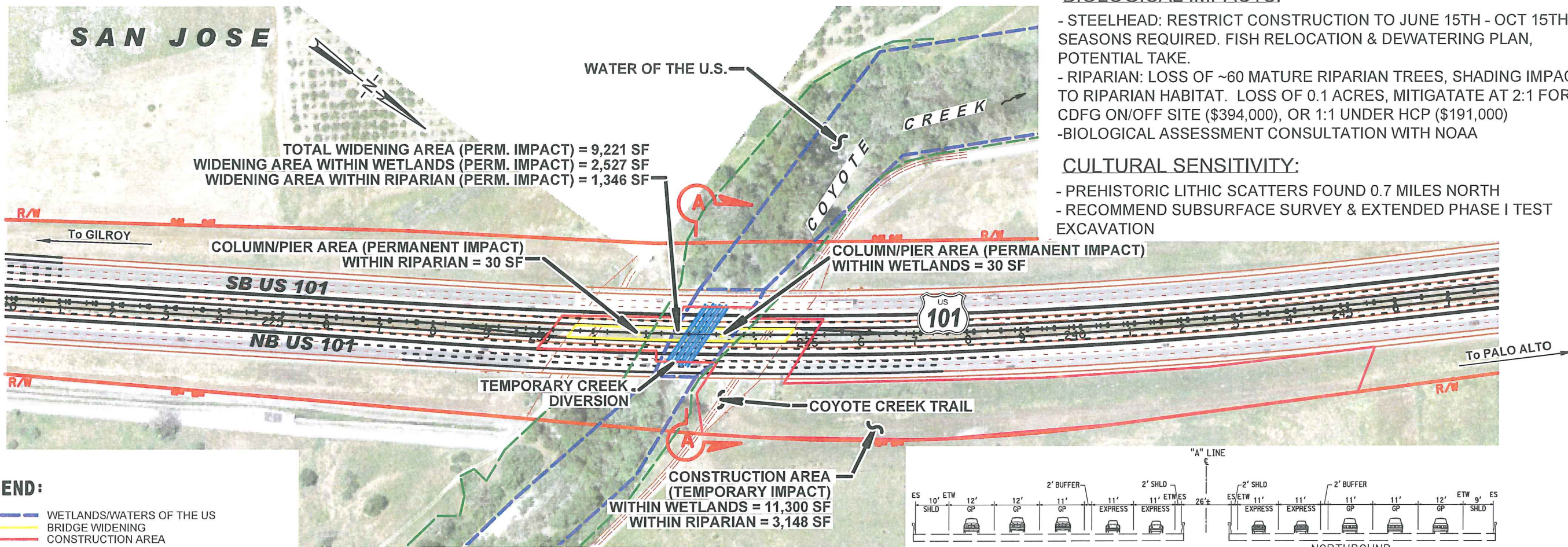
San Tomas Aquino Creek Bridge, PM 42.25, (Widen SB101 Bridge Only)

	Southbound									Northbound								
	Outside Shoulder	Auxiliary Lane	GP Lane	GP Lane	GP Lane	Buffer	Express Lane	Express Lane	Inside Shoulder	Inside Shoulder	Express Lane	Express Lane	Buffer	GP Lane	GP Lane	GP Lane	Auxiliary Lane	Outside Shoulder
South of Bridge	10'	-	12'	11'	11'	2'	11'	11'	10'	10'	11'	11'	2'	11'	11'	12'	-	5'
Without Widening	4'	12'	12'	11'	11'	2'	11'	11'	4'	4'	11'	11'	2'	11'	11'	12'	12'	5'
With Widening	10'	12'	12'	12'	12'	2'	11'	11'	10'	4'	11'	11'	2'	11'	11'	12'	12'	5'
North of Bridge	10'	12'	12'	11'	11'	2'	11'	11'	10'	10'	11'	11'	2'	11'	11'	12'	12'	10'

X Lane or Shoulder Width with Approved Design Exceptions

X Lane or Shoulder Width with Bridge Widening

US 101 EXPRESS LANES PROJECT Dunne Ave to San Mateo/Santa Clara County Line COYOTE CREEK PM 19.21



TOTAL WIDENING AREA (PERM. IMPACT) = 9,221 SF
WIDENING AREA WITHIN WETLANDS (PERM. IMPACT) = 2,527 SF
WIDENING AREA WITHIN RIPARIAN (PERM. IMPACT) = 1,346 SF

COLUMN/PIER AREA (PERMANENT IMPACT)
WITHIN RIPARIAN = 30 SF

COLUMN/PIER AREA (PERMANENT IMPACT)
WITHIN WETLANDS = 30 SF

CONSTRUCTION AREA
(TEMPORARY IMPACT)
WITHIN WETLANDS = 11,300 SF
WITHIN RIPARIAN = 3,148 SF

BIOLOGICAL IMPACTS:

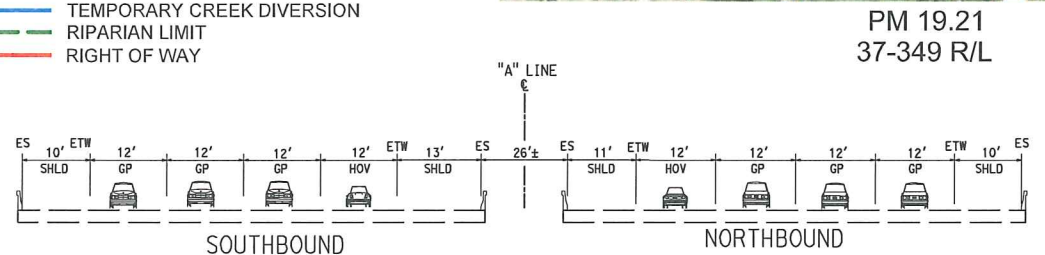
- STEELHEAD: RESTRICT CONSTRUCTION TO JUNE 15TH - OCT 15TH, 2 SEASONS REQUIRED. FISH RELOCATION & DEWATERING PLAN, POTENTIAL TAKE.
- RIPARIAN: LOSS OF ~60 MATURE RIPARIAN TREES, SHADING IMPACTS TO RIPARIAN HABITAT. LOSS OF 0.1 ACRES, MITIGATE AT 2:1 FOR CDFG ON/OFF SITE (\$394,000), OR 1:1 UNDER HCP (\$191,000)
- BIOLOGICAL ASSESSMENT CONSULTATION WITH NOAA

CULTURAL SENSITIVITY:

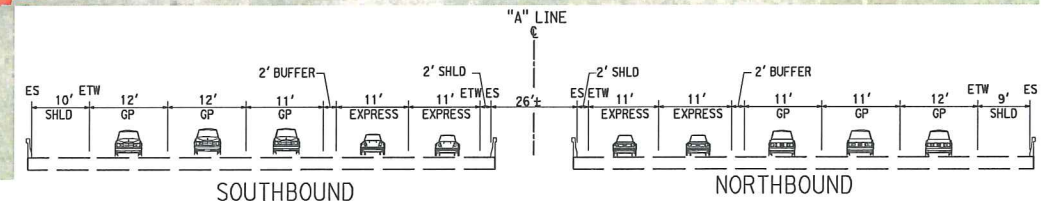
- PREHISTORIC LITHIC SCATTERS FOUND 0.7 MILES NORTH
- RECOMMEND SUBSURFACE SURVEY & EXTENDED PHASE I TEST EXCAVATION

LEGEND:

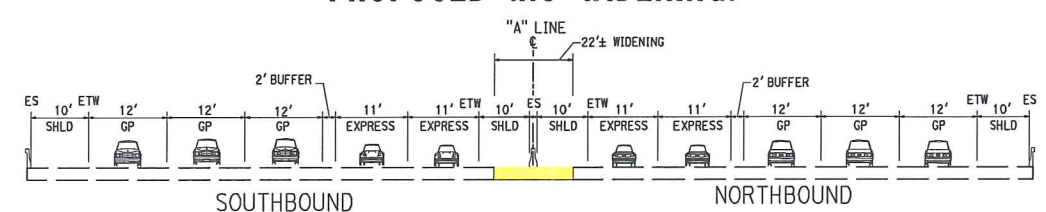
- WETLANDS/WATERS OF THE US
- BRIDGE WIDENING
- CONSTRUCTION AREA
- TEMPORARY CREEK DIVERSION
- RIPARIAN LIMIT
- RIGHT OF WAY



EXISTING SECTION: A-A



PROPOSED (NO WIDENING) SECTION: A-A



PROPOSED (WIDEN BRIDGE) SECTION: A-A

PRELIMINARY
FOR DISCUSSION PURPOSES ONLY



EXHIBIT 1
AUGUST 2013



US 101 EXPRESS LANES PROJECT

Dunne Ave to San Mateo/Santa Clara County Line

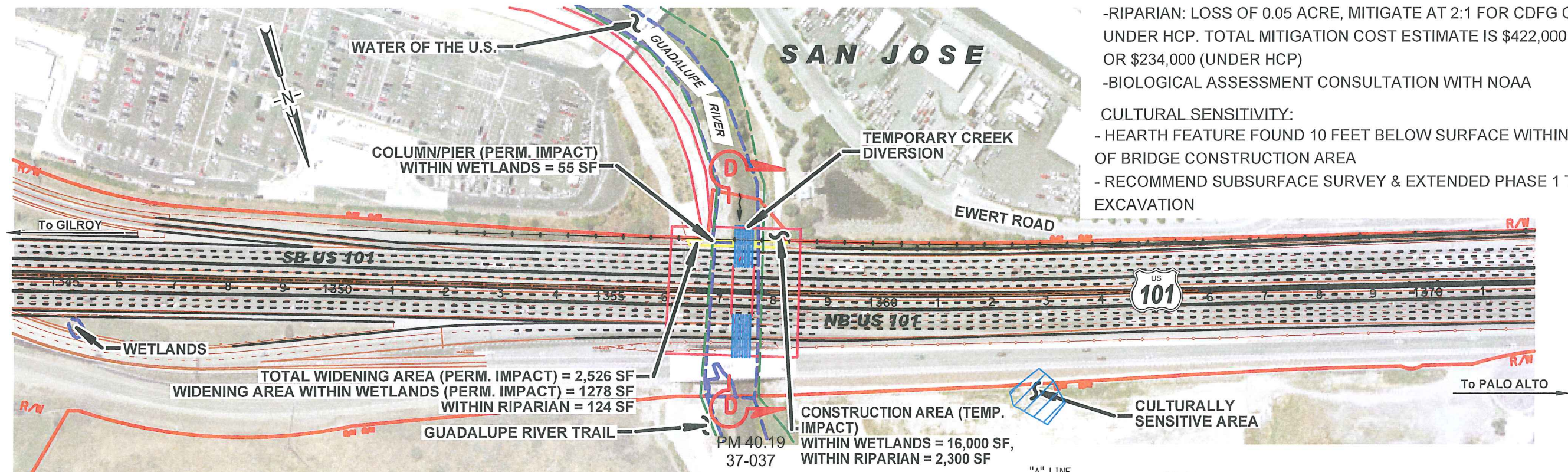
GUADALUPE RIVER PM 40.19

BIOLOGICAL IMPACTS:

- STEELHEAD: RESTRICT CONSTRUCTION TO JUNE 15TH - OCT 31ST, 2 SEASONS REQUIRED, FISH RELOCATION & DEWATERING PLAN, POTENTIAL TAKE.
- WETLAND: LOSS OF 0.1 ACRE MITIGATE AT 3:1 FOR USACE OR 2:1 UNDER HCP
- RIPARIAN: LOSS OF 0.05 ACRE, MITIGATE AT 2:1 FOR CDFG OR 1:1 UNDER HCP. TOTAL MITIGATION COST ESTIMATE IS \$422,000 (NO HCP) OR \$234,000 (UNDER HCP)
- BIOLOGICAL ASSESSMENT CONSULTATION WITH NOAA

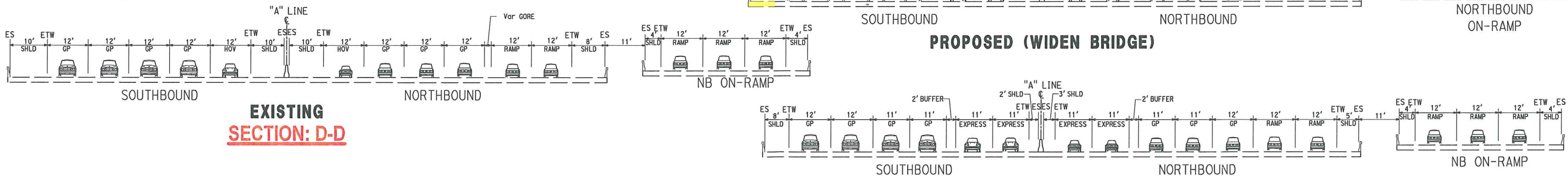
CULTURAL SENSITIVITY:

- HEARTH FEATURE FOUND 10 FEET BELOW SURFACE WITHIN 400 FEET OF BRIDGE CONSTRUCTION AREA
- RECOMMEND SUBSURFACE SURVEY & EXTENDED PHASE 1 TEST EXCAVATION



LEGEND:

- WETLANDS/WATERS OF THE US
- BRIDGE WIDENING
- CONSTRUCTION AREA
- RIGHT OF WAY
- TEMPORARY CREEK DIVERSION
- RIPARIAN LIMIT
- CULTURALLY SENSITIVE AREA LIMIT



PRELIMINARY
FOR DISCUSSION PURPOSES ONLY



EXHIBIT 2
AUGUST 2013

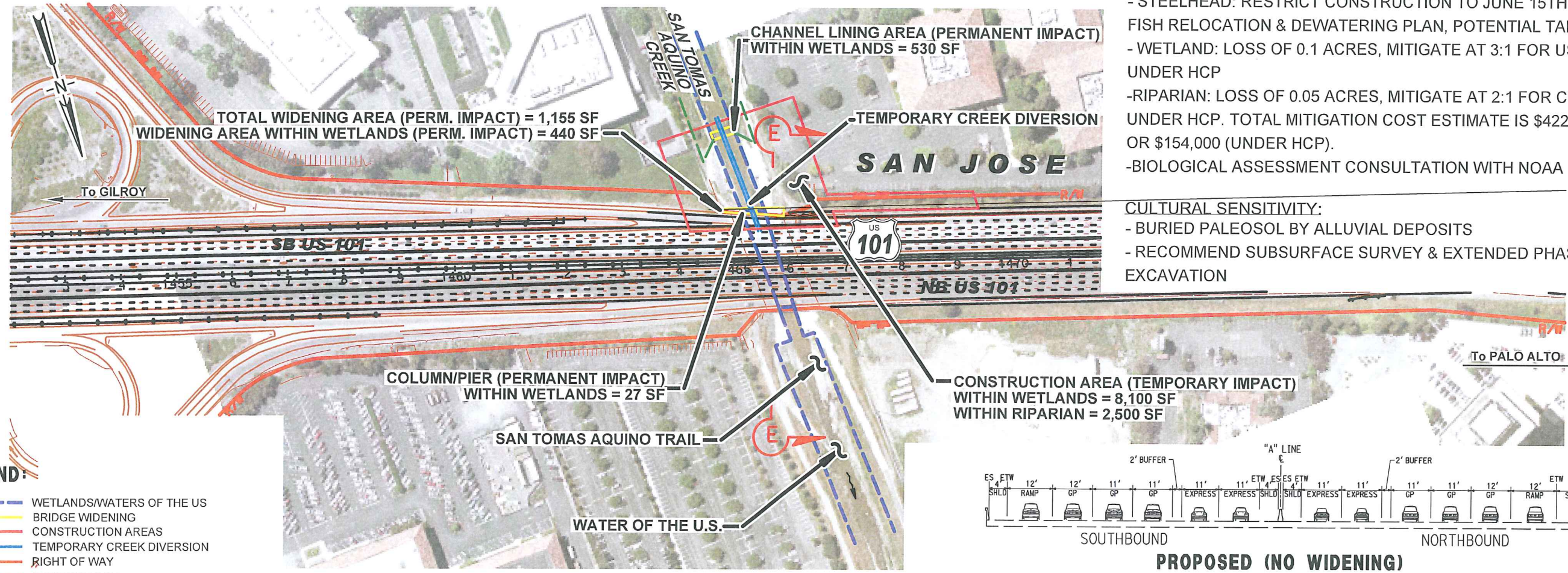
PROPOSED (NO WIDENING)
SECTION: D-D



US 101 EXPRESS LANES PROJECT

Dunne Ave to San Mateo/Santa Clara County Line

SAN TOMAS AQUINO CREEK PM 42.25



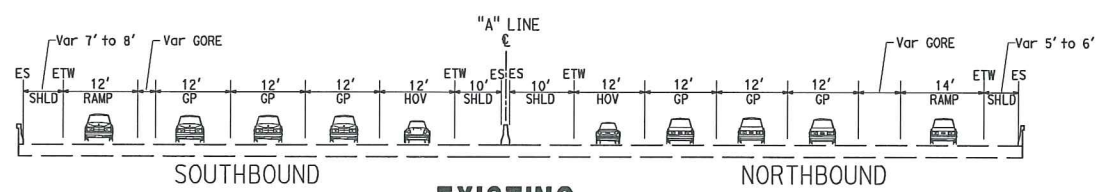
- LEGEND:**
- WETLANDS/WATERS OF THE US
 - BRIDGE WIDENING
 - CONSTRUCTION AREAS
 - TEMPORARY CREEK DIVERSION
 - RIGHT OF WAY
 - - - RIPARIAN LIMIT

BIOLOGICAL IMPACTS:

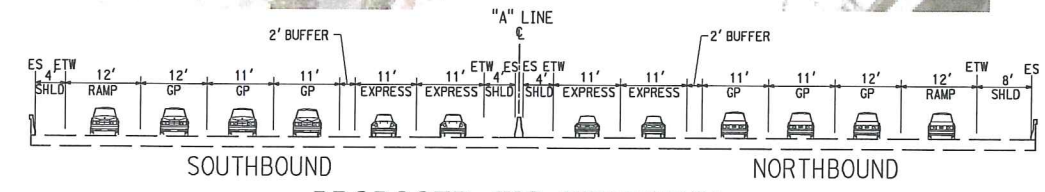
- STEELHEAD: RESTRICT CONSTRUCTION TO JUNE 15TH - OCT 31ST. FISH RELOCATION & DEWATERING PLAN, POTENTIAL TAKE
- WETLAND: LOSS OF 0.1 ACRES, MITIGATE AT 3:1 FOR USACE OR 2:1 UNDER HCP
- RIPARIAN: LOSS OF 0.05 ACRES, MITIGATE AT 2:1 FOR CDFG OR 1:1 UNDER HCP. TOTAL MITIGATION COST ESTIMATE IS \$422,000 (NO HCP) OR \$154,000 (UNDER HCP).
- BIOLOGICAL ASSESSMENT CONSULTATION WITH NOAA

CULTURAL SENSITIVITY:

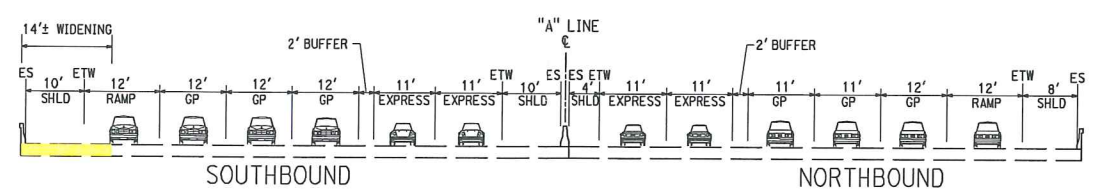
- BURIED PALEOSOL BY ALLUVIAL DEPOSITS
- RECOMMEND SUBSURFACE SURVEY & EXTENDED PHASE 1 TEST EXCAVATION



EXISTING SECTION: E-E



PROPOSED (NO WIDENING) SECTION: E-E



PROPOSED (WIDEN BRIDGE) SECTION: E-E

PRELIMINARY
FOR DISCUSSION PURPOSES ONLY

EXHIBIT 3
AUGUST 2013

