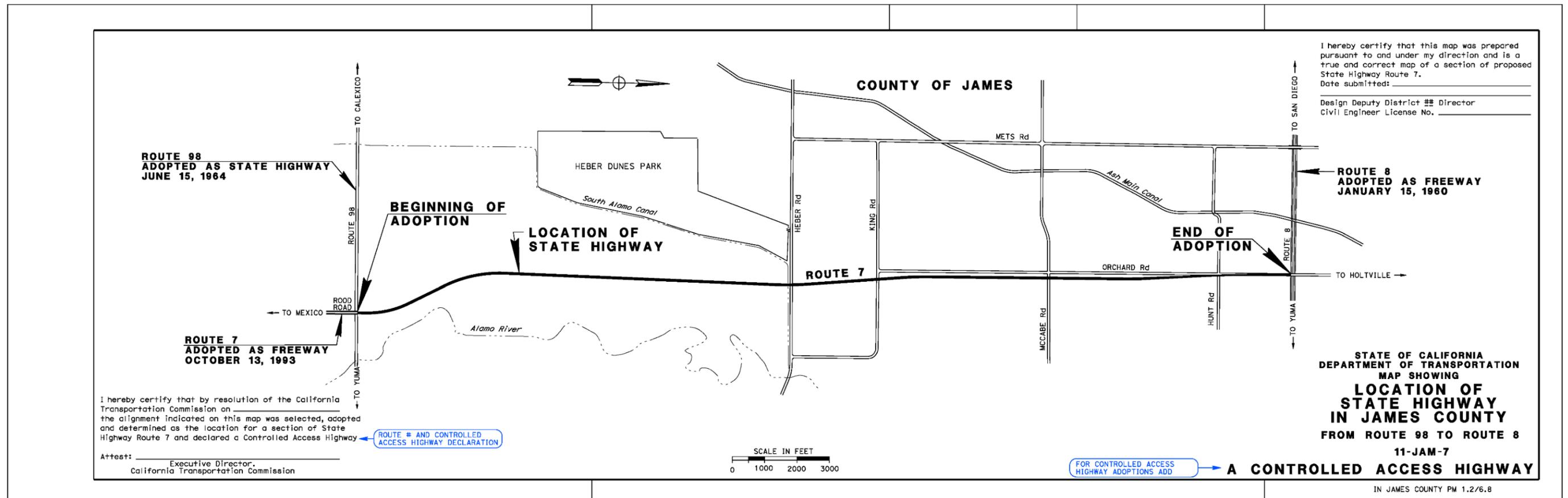


ROUTE ADOPTION – FREEWAY

FIGURE 3-2.3A

Note:

Blue highlighted text within the bubbles are informational instructions and directions to the reader and apply to any applicable Route Adoption Map(s).

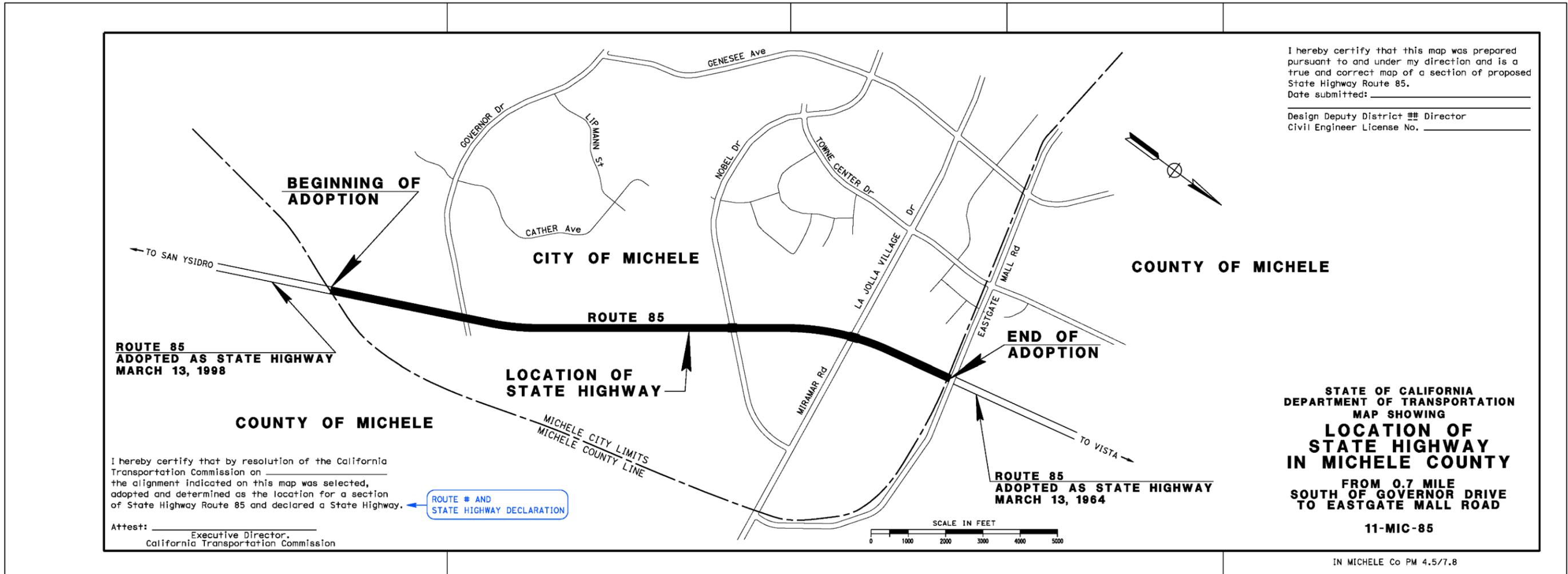


ROUTE ADOPTION – CONTROLLED ACCESS HIGHWAY

FIGURE 3-2.3B

Note:

Blue highlighted text within the bubbles are informational instructions and directions to the reader and apply to any applicable Route Adoption Map(s).

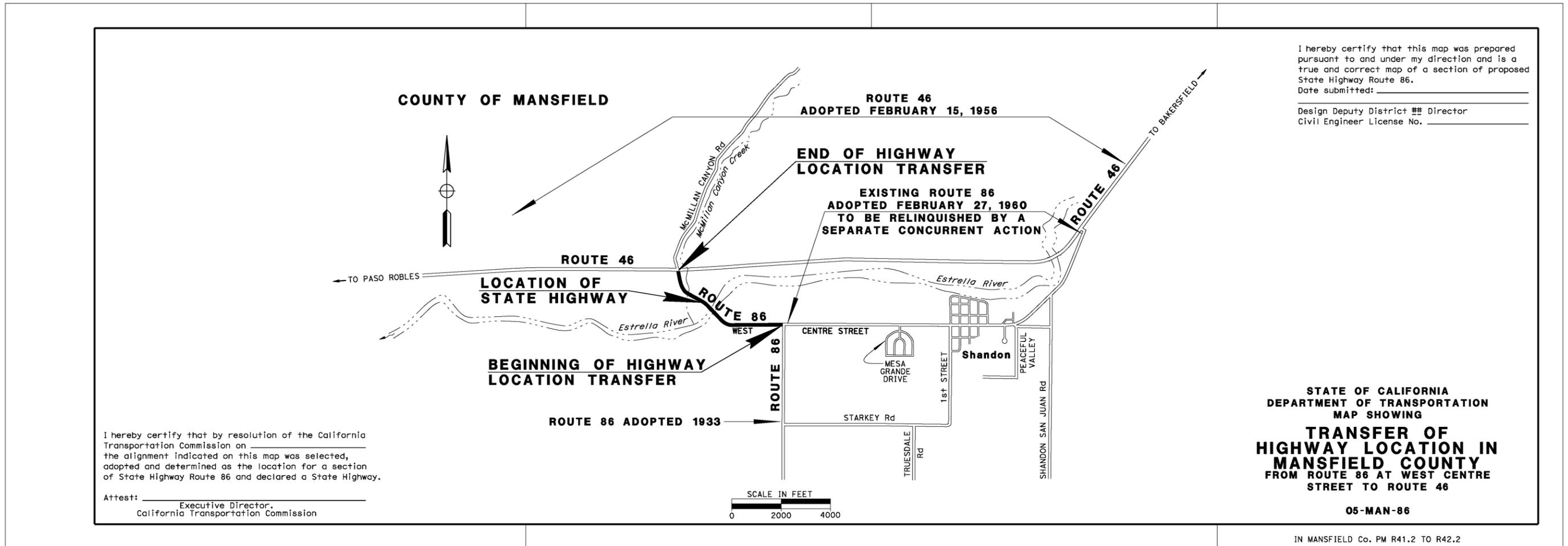


ROUTE ADOPTION – CONVENTIONAL HIGHWAY

FIGURE 3-2.3C

Note:

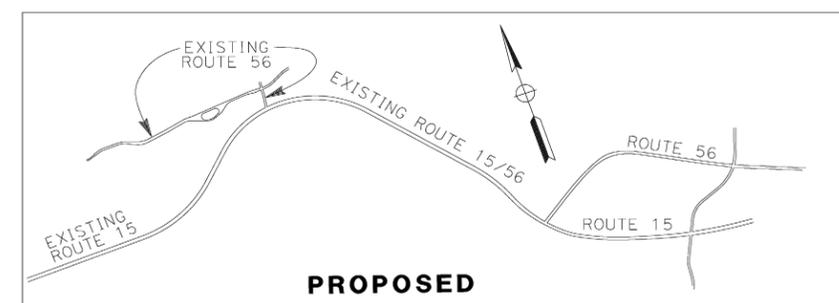
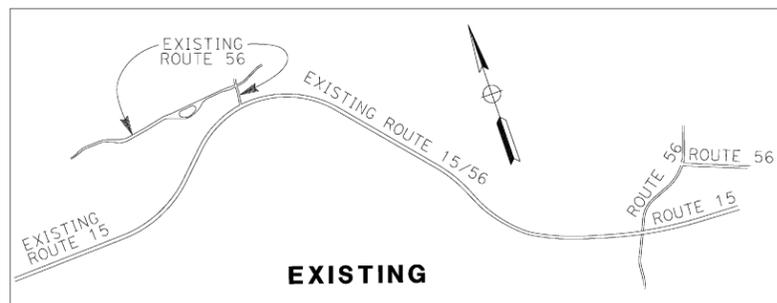
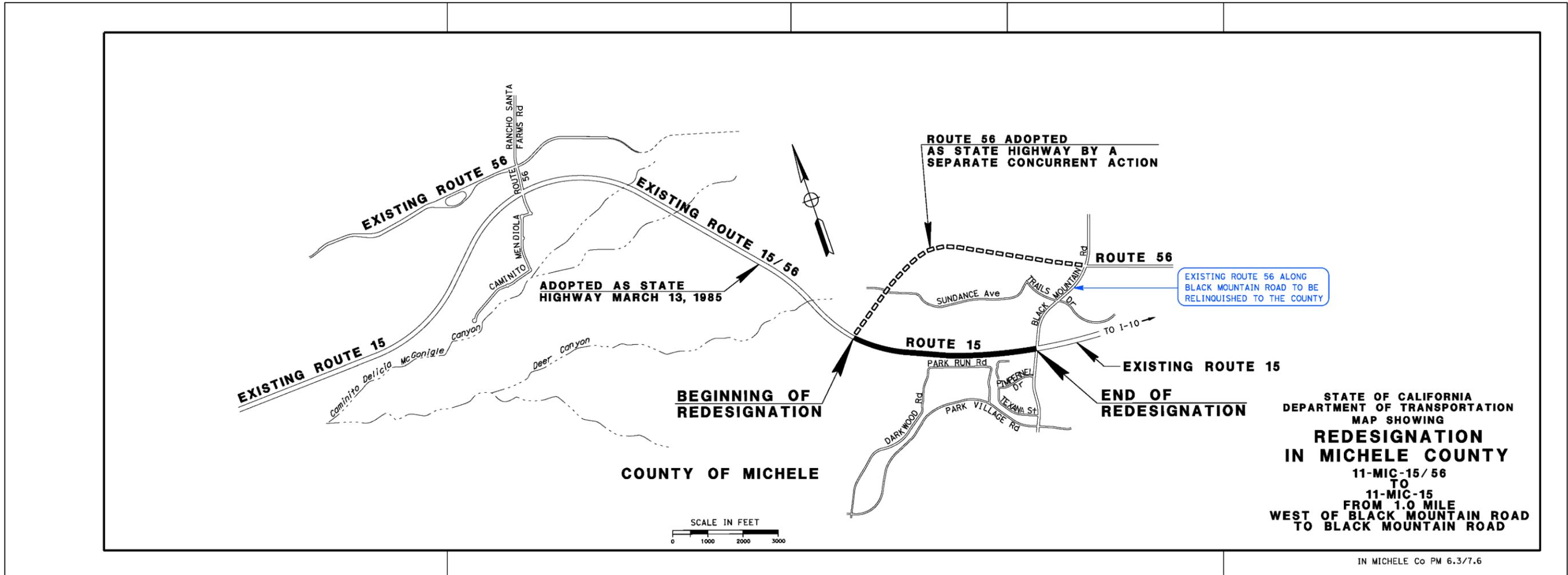
Blue highlighted text within the bubbles are informational instructions and directions to the reader and apply to any applicable Route Adoption Map(s).



TRANSFER OF HIGHWAY LOCATION
FIGURE 3-2.3D

Note:

Blue highlighted text within the bubbles are informational instructions and directions to the reader and apply to any applicable Route Adoption Map(s).



ROUTE ADOPTION – REDESIGNATION
FIGURE 3-2.3E

Explanation of this Example Re-designation: Route 56 currently joins Route 15 at Caminito Mendiola Road. It is designated as Route 15/56 from Caminito Mendiola Road to Black Mountain Road. At this point existing Route 56 branches from Route 15 in a northerly direction along Black Mountain Road. A new alignment is proposed for Route 56 where it will branch to the north approximately 1.0 Mile west of the existing connection of Black Mountain Road and Route 15/56. The exhibit shows the re-designation of this section of Route 15/56 to Route 15 from 1.0 Mile west of Black Mountain Road to the Black Mountain Road/Route 15 connection.

VICINITY MAP

05-SBT-25-PM 49.7/52.4

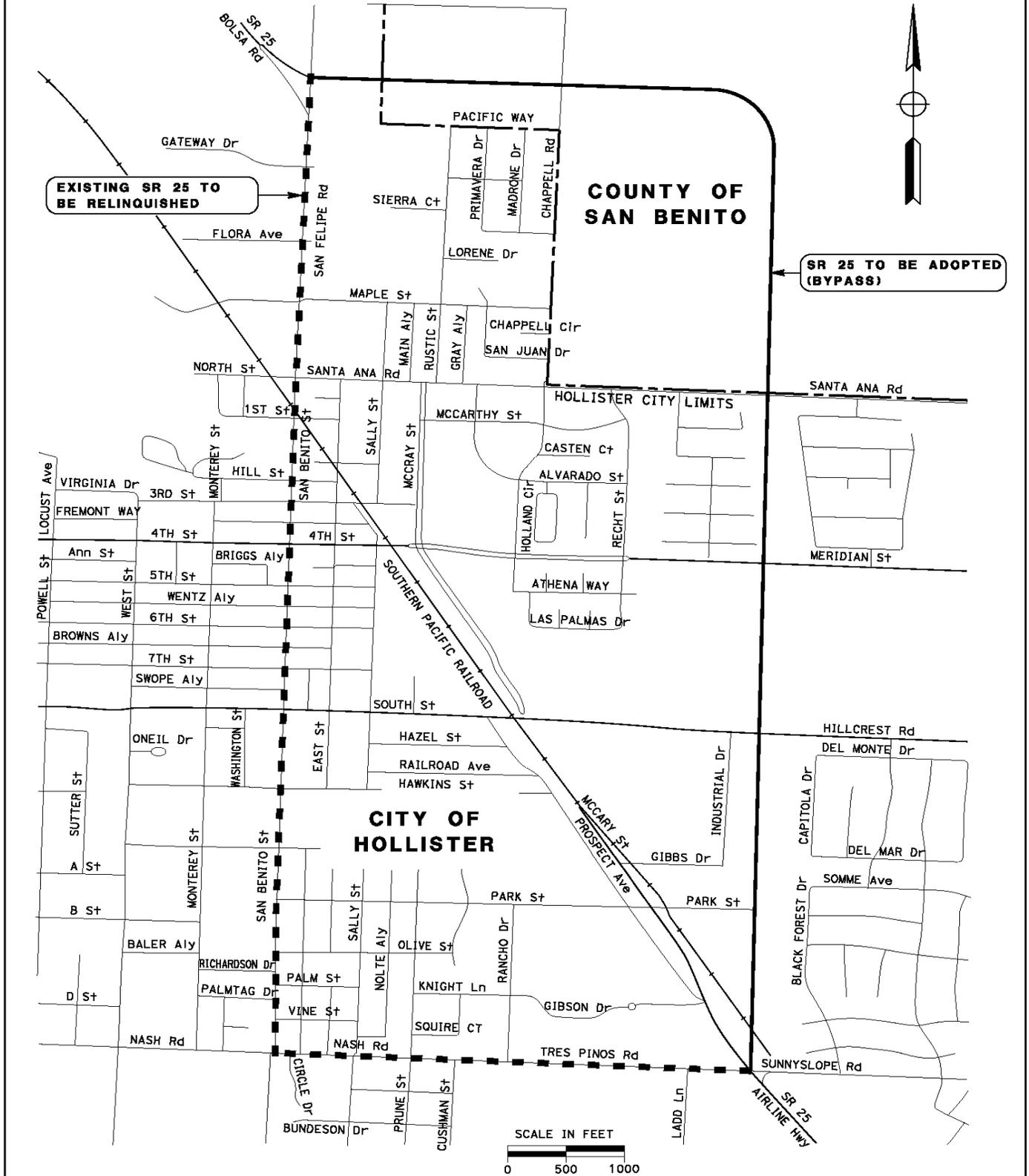
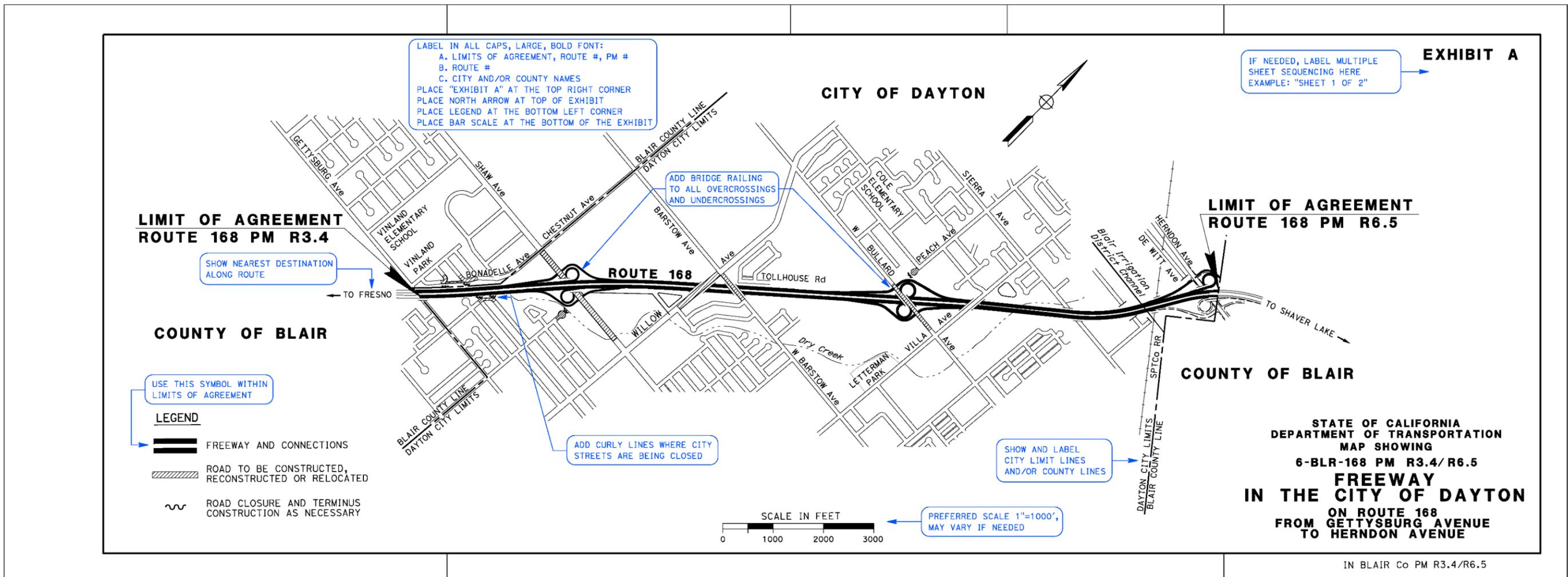


FIGURE 3-2.3H

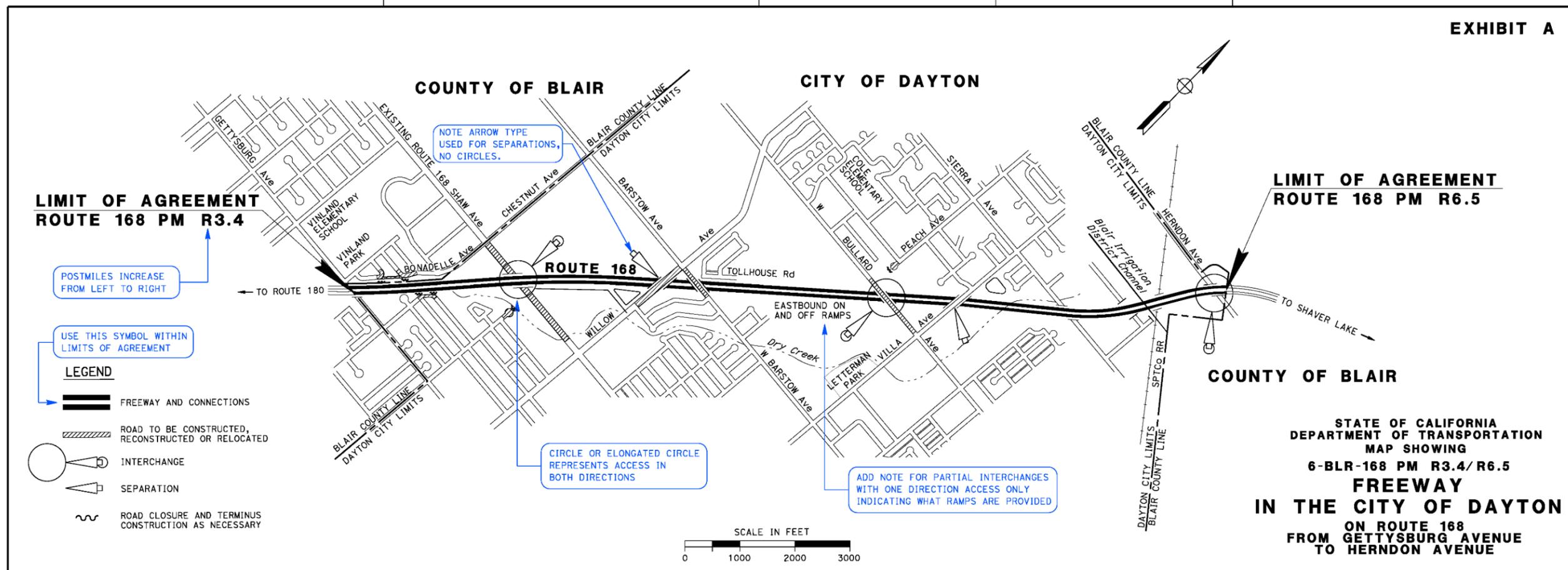


FREWAY AGREEMENT – GEOMETRIC

FIGURE 3-2.4A

Note:

Blue highlighted text within the bubbles are informational instructions and directions to the reader and apply to any applicable Freeway Agreement Exhibit(s).



STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 MAP SHOWING
 6-BLR-168 PM R3.4/R6.5
FREWAY
IN THE CITY OF DAYTON
 ON ROUTE 168
 FROM GETTYSBURG AVENUE
 TO HERNDON AVENUE

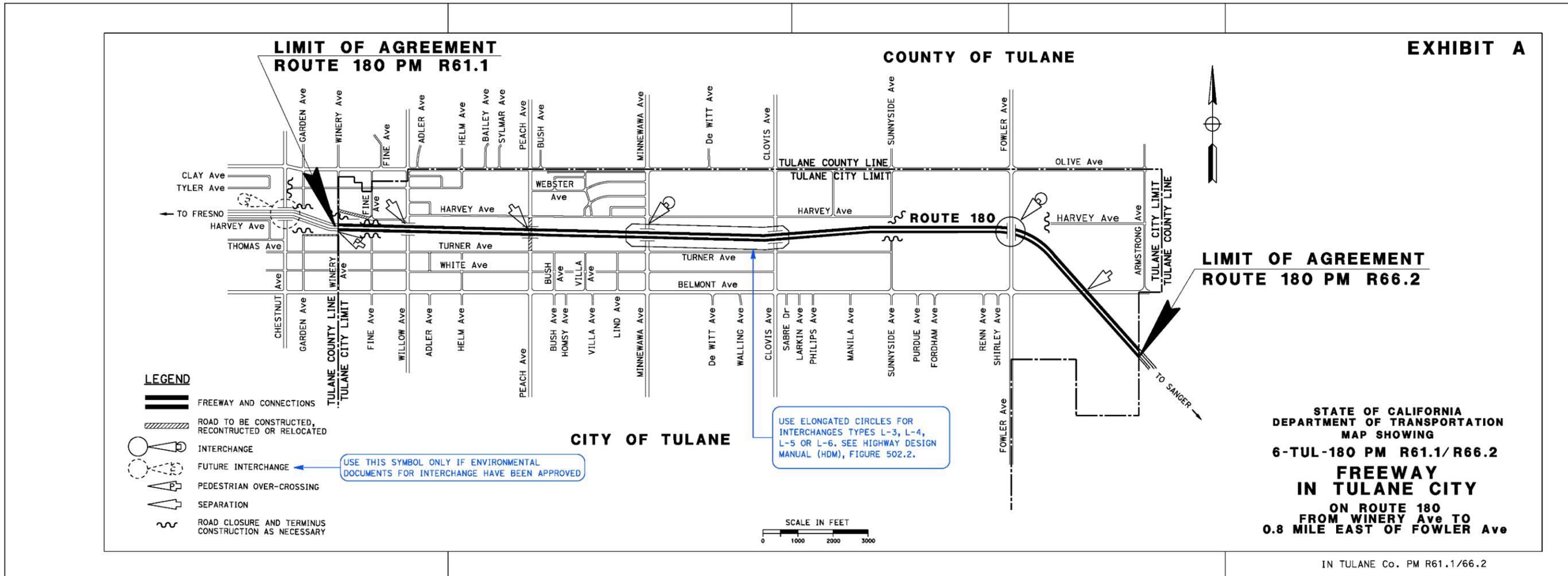
IN BLAIR Co. PM R3.4/R6.5

FREWAY AGREEMENT – SYMBOLIC

FIGURE 3-2.4B

Note:

Blue highlighted text within the bubbles are informational instructions and directions to the reader and apply to any applicable Freeway Agreement Exhibit(s).

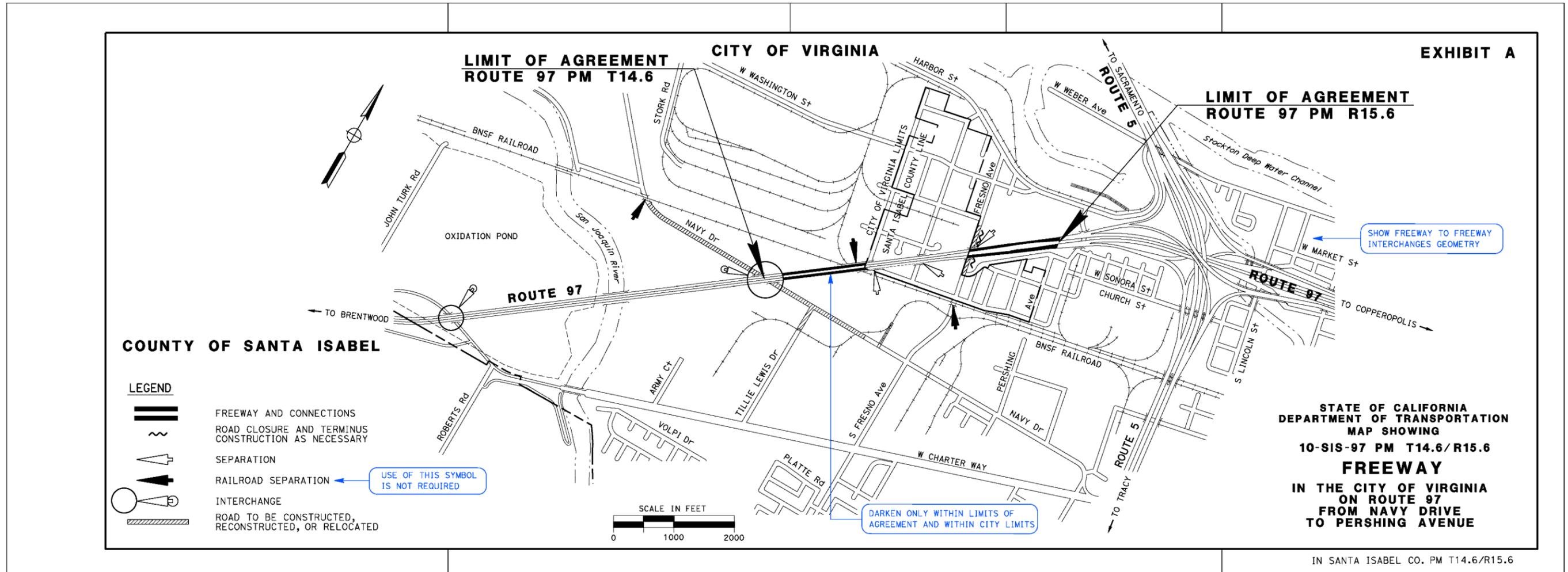


FREWAY AGREEMENT – SYMBOLIC

FIGURE 3-2.4C

Note:

Blue highlighted text within the bubbles are informational instructions and directions to the reader and apply to any applicable Freeway Agreement Exhibit(s).

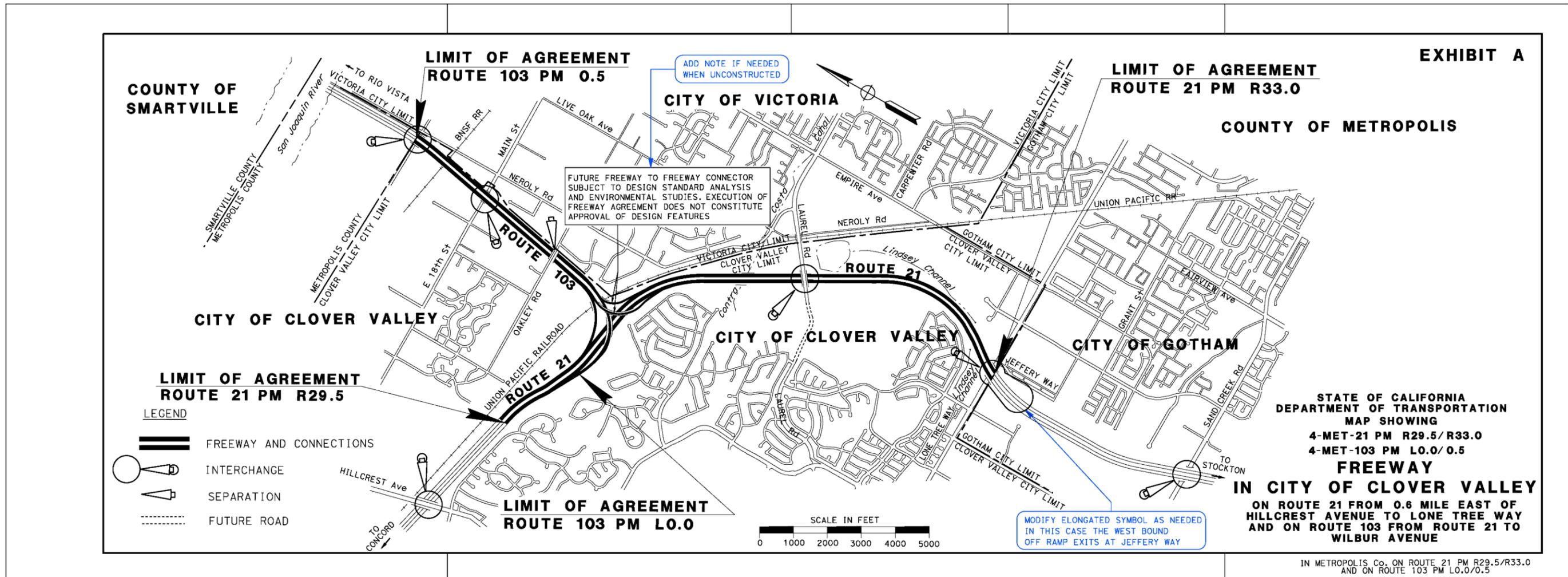


FREWAY AGREEMENT – SYMBOLIC

FIGURE 3-2.4D

Note:

Blue highlighted text within the bubbles are informational instructions and directions to the reader and apply to any applicable Freeway Agreement Exhibit(s).



FREEWAY AGREEMENT – SYMBOLIC

FIGURE 3-2.4E

Note:

Blue highlighted text within the bubbles are informational instructions and directions to the reader and apply to any applicable Freeway Agreement Exhibit(s).

NEW PUBLIC ROAD CONNECTION 03-ED-50-PM 1.8

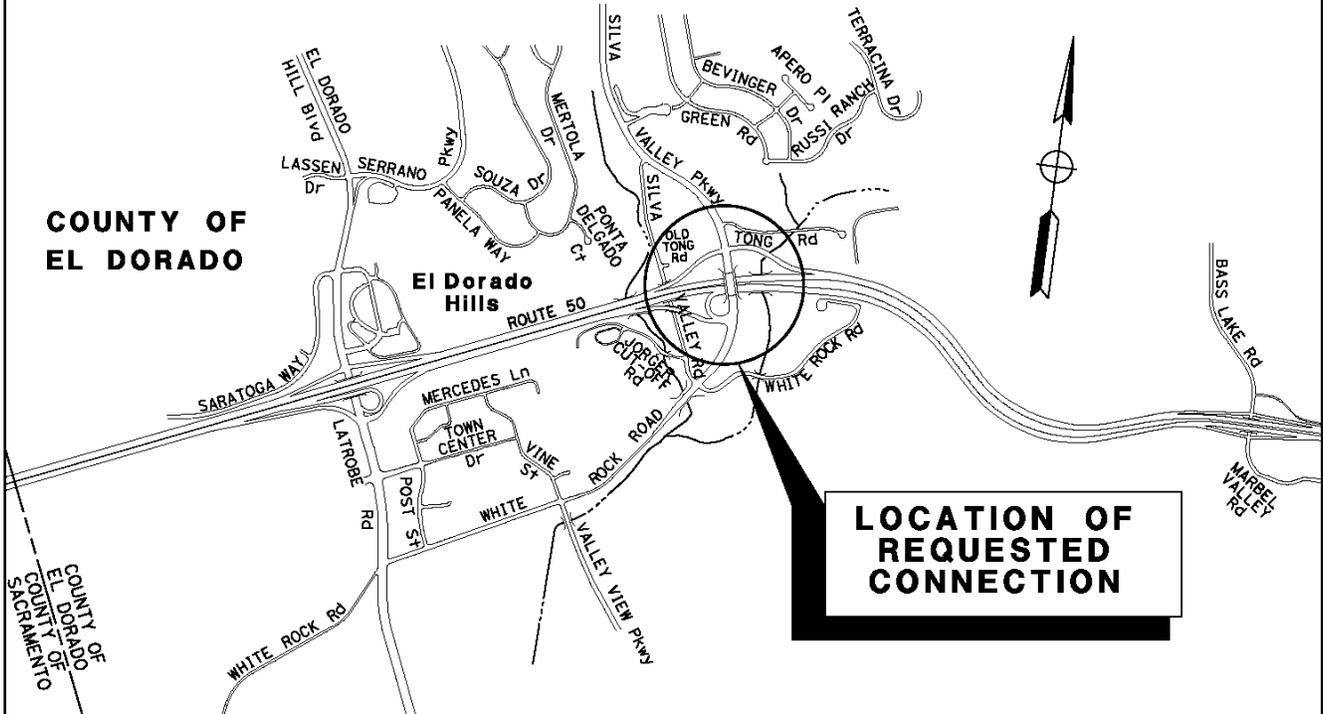
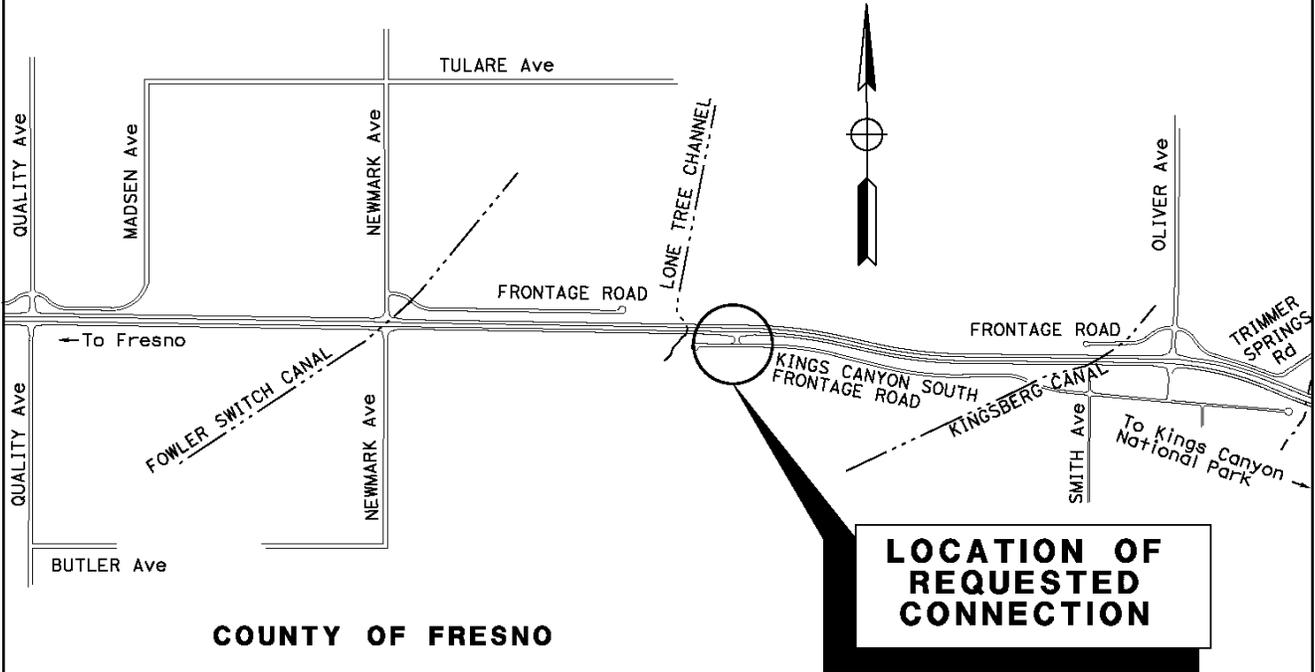


FIGURE 3-2.5A

NEW PUBLIC ROAD CONNECTION 06-FRE-180-PM 73.8



LOCATION MAP



FIGURE 3-2.5B

**REQUEST TO CPUC STAFF FOR AUTHORIZATION TO
ALTER HIGHWAY-RAIL CROSSING
PURSUANT TO GENERAL ORDER 88-B**



1. Date Submitted: September 9, 2010

2. Applicant Info

Organization Name:	California Department of Transportation
Contact Person:	Denny Fong, P.E.
Title:	Senior Transportation Engineer
Street Address:	1120 N Street, MS-37
City:	Sacramento, CA
Zip:	95814
Phone:	(916) 654-3070
Email:	Denny_fong@dot.ca.gov

3. Crossing proposed to be altered

PUC Crossing Number:	001BM-513.40-A
U.S. DOT Crossing Number:	761634W
Street Name:	Orange FWY (SR 57) OH, known as Douglass OH
City:	Anaheim
County:	Orange
Railroad Responsible for Crossing:	Union Pacific Railroad
Other Railroads Operating on Tracks:	N/A

4. Describe Proposed Alterations (including any temporary reduced clearance variance requests):

The California Department of Transportation, in cooperation with the Orange County Transportation Authority (OCTA), proposes to widen the northbound State Route (SR) 57, between 0.31 miles south of Katella Avenue and 0.31 miles north of Lincoln Avenue within the city of Anaheim in Orange County, California. Douglass Overhead (OH) is within the project limits and will be widened approximately 20'6" to accommodate the widening of the SR 57. Douglass OH crosses over the single track mainline of the Union Pacific Railroad (UPRR) and Cerritos Avenue.

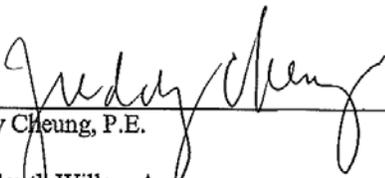
A CPUC G.O. 26-D variance is required for this location for the temporary construction vertical clearance of 21'0" in order to construct temporary falsework.

Attachments:

1. Exhibit A – Vicinity Map and Title Sheet
2. Exhibit B – Structure General Plan
3. Exhibit C – Negative Declaration

10. Evidence of Agreement:

I, Freddy Cheung, P.E., am an employee of Union Pacific Railroad Company and authorized to sign this letter of agreement on its behalf, hereby declare that Union Pacific Railroad Company concurs with the proposed project described above as the SR 57 northbound widening project between Katella Avenue and Lincoln Avenue in Orange County, CA.

 9/10/2010

Freddy Cheung, P.E. Signature and date
2015 South Willow Avenue
Bloomington, CA 92316

Address

INDEX OF PLANS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PROJECT PLANS FOR CONSTRUCTION ON
STATE HIGHWAY
IN ORANGE COUNTY
IN ANAHEIM
FROM 0.3 MILE SOUTH OF
KATELLA AVENUE UNDERCROSSING
TO 0.3 MILE NORTH OF
LINCOLN AVENUE OVERCROSSING

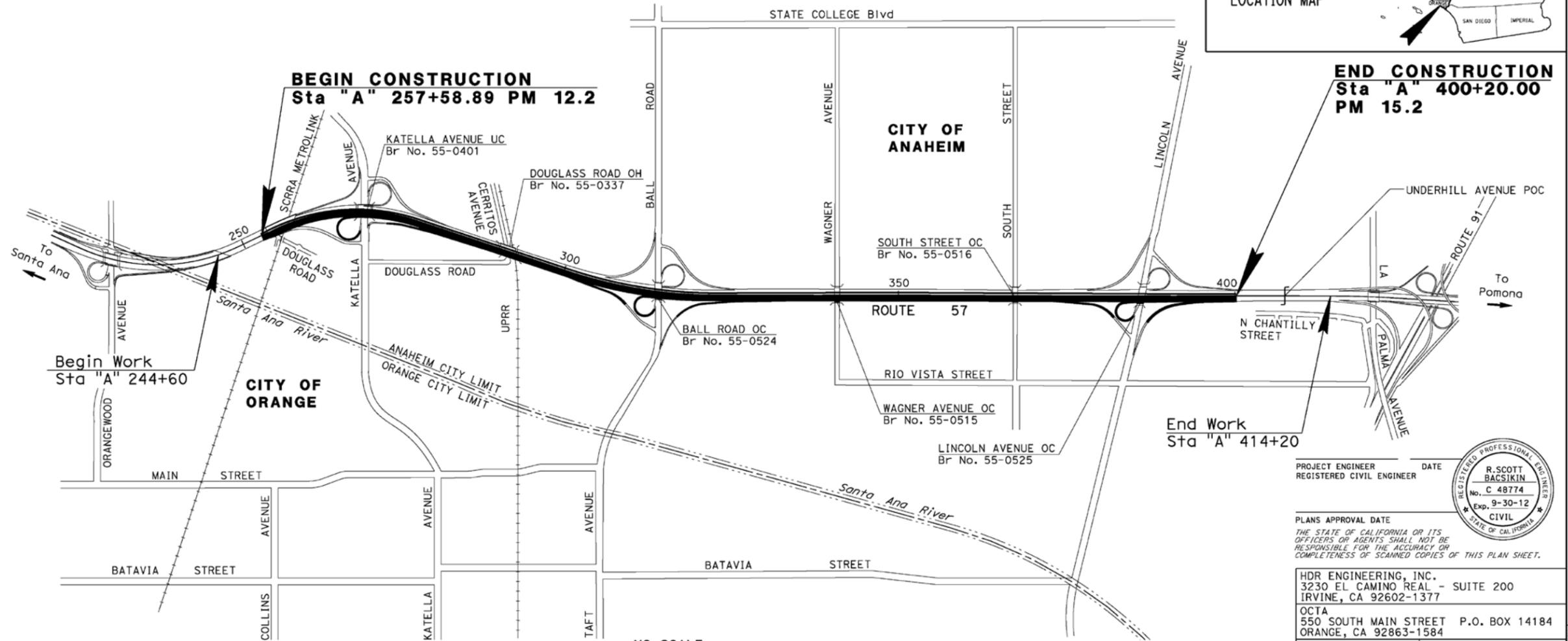
TO BE SUPPLEMENTED BY STANDARD PLANS DATED MAY 2006

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
12	Ora	57	12.2/15.2		

Caltrans

APPROVED AS TO IMPACT ON STATE FACILITIES AND CONFORMANCE WITH APPLICABLE STATE STANDARDS AND PRACTICES AND THAT TECHNICAL OVERSIGHT WAS PERFORMED.

CALTRANS DESIGN OVERSIGHT APPROVAL
 KAMRAN MAZHAR
 REGISTRATION No. C 48436
 LICENSE EXP. DATE 6-30-12
 DATE SIGNED
 CONSULTANT DESIGN ENGINEER
 R. SCOTT BACSIKIN



PROJECT ENGINEER DATE
REGISTERED CIVIL ENGINEER

R. SCOTT BACSIKIN
No. C 48774
Exp. 9-30-12
CIVIL
STATE OF CALIFORNIA

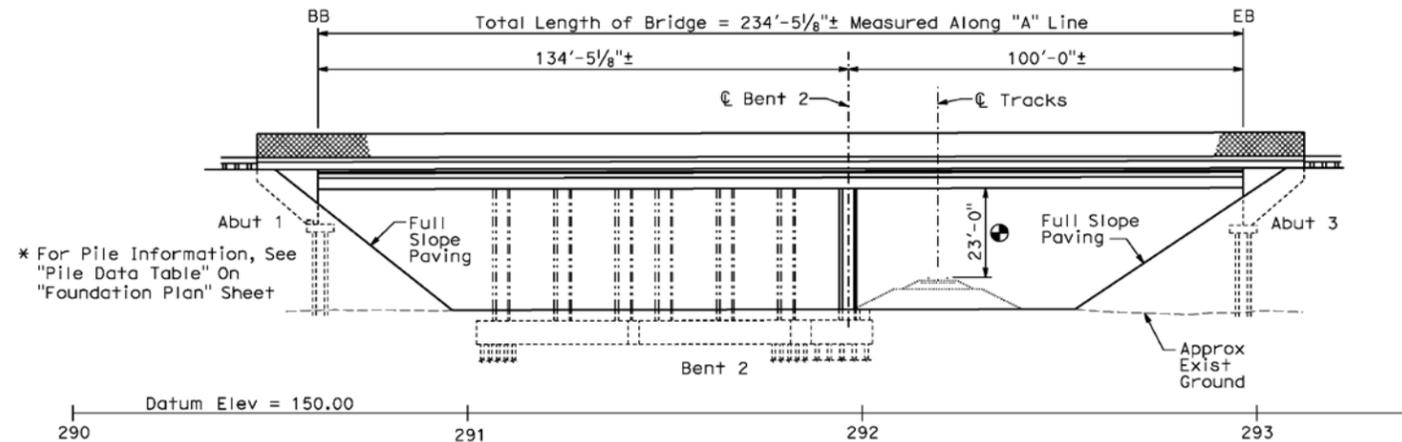
PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

HDR ENGINEERING, INC.
3230 EL CAMINO REAL - SUITE 200
IRVINE, CA 92602-1377
OCTA
550 SOUTH MAIN STREET P.O. BOX 14184
ORANGE, CA 92863-1584

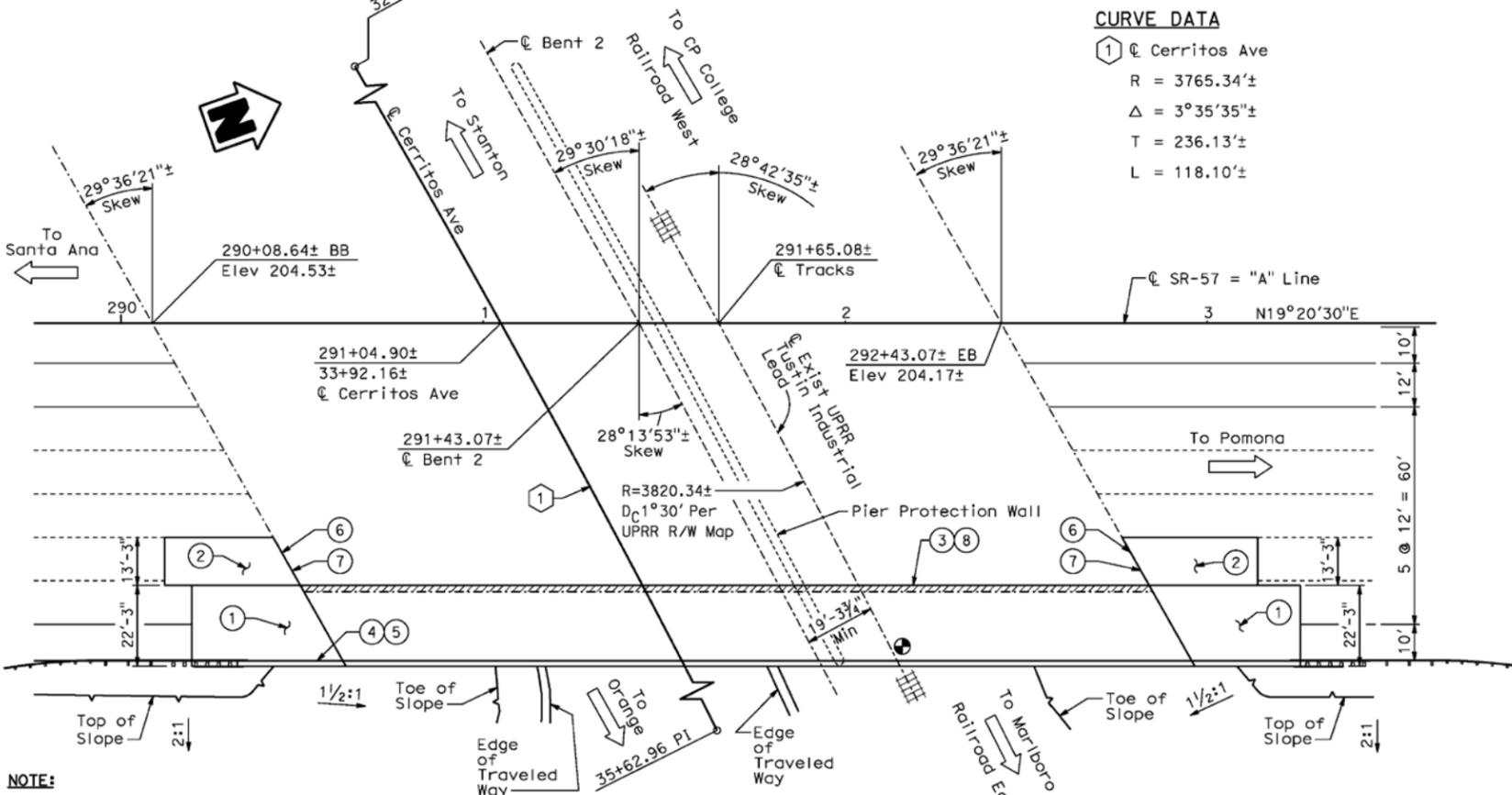
CONTRACT No.	12-0F0404
PROJECT ID	120000109

BORDER LAST REVISED 7/2/2010 CALTRANS WEB SITE IS: [HTTP://WWW.DOT.CA.GOV/](http://www.dot.ca.gov/) RELATIVE BORDER SCALE 15 IN INCHES USERNAME => 8121614 DGN FILE => c0f040cb001.dgn UNIT 12-2998 PROJECT NUMBER & PHASE 1200001091

EXHIBIT A



ELEVATION
SCALE 1"=20'



CURVE DATA
 ① Cerritos Ave
 R = 3765.34'±
 Δ = 3°35'35"±
 T = 236.13'±
 L = 118.10'±

NOTE:
The Contractor Shall Verify All Controlling Field Dimensions Before Ordering Or Fabricating Any Materials.

PLAN
SCALE 1"=20'

LEGEND

- ① Structure Approach Slab Type N(30D)
 - ② Structure Approach Slab Type R(30D)
 - ③ Remove Exist Type 9 Barrier And Salvage Metal Railing
 - ④ Paint "DOUGLASS OVERHEAD"
 - ⑤ Paint "BRIDGE No. 55-0337" And Year Constructed
 - ⑥ Joint Seal Replacement (Exist)
 - ⑦ Paving Notch Extension
- Indicates Bridge Removal (Portion)
 Indicates New Construction
 Indicates Foundation or Hidden Lines
 Indicates Existing Structure
 Min Vert Clearance 23'-0" (Structure)

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
12	Ora	57	12.2/15.2		

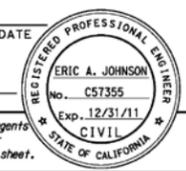
REGISTERED CIVIL ENGINEER DATE _____

PLANS APPROVAL DATE _____

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

OCTA
550 S. MAIN STREET
ORANGE, CA 92863

HDR ENGINEERING, INC.
3230 EL CAMINO REAL, SUITE 200
IRVINE, CA 92602-1377



Vehicular Traffic

1. ___ New alignment. No traffic at the site.
2. ___ Traffic will be detoured away from the site.
3. Traffic will be carried on the structure. Stage construction will/will not be required.
4. Traffic will pass under the structure on Douglass Rd
 - A. ___ No falsework allowed over traffic.
 - B. Falsework opening(s) required:

Temporary Vertical Clearance	Width of Traffic Opening
___ Bnd	___
___ Bnd	___
<input checked="" type="checkbox"/> Two-way 15'-0"	48'-0"
 - C. ___ Temporary traffic lane reduction needed for footing excavation.

Pedestrian Traffic

Falsework opening required on Cerritos Ave

Location	Height	Width
___ EB	7'-0"	5'-0"

Railroad Traffic

Falsework opening required over UPRR

Vertical Clearance	Horizontal Clear Width
21'-0"	12'-0"

DESIGN OVERSIGHT	DESIGN BY J. Ramirez	CHECKED W. Chu	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING: HL93 W/"LOW-BOY" PERMIT DESIGN VEHICLE	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 55-0337	DOUGLASS OH (WIDEN) GENERAL PLAN NO. 1
SIGN OFF DATE	DETAILS BY E. Gray	CHECKED W. Chu	LAYOUT BY J. Ramirez	CHECKED W. Chu	PROJECT ENGINEER ERIC A. JOHNSON	POST MILES 13.0	
DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 06-01-09)	QUANTITIES BY J. Ramirez	CHECKED Z. Daniel	SPECIFICATIONS BY E. Johnson	PLANS AND SPECS COMPARED	CU 12231 EA OF0401	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 1 OF 27

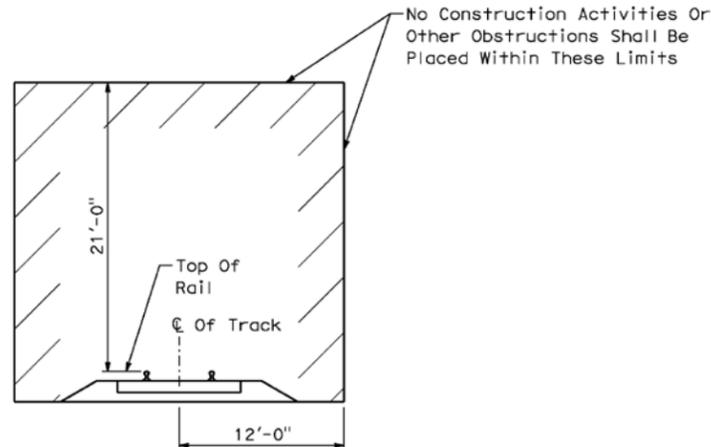
DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
12	Ora	57	12.2/15.2		

REGISTERED CIVIL ENGINEER	DATE
ERIC A. JOHNSON	
No. C57355	
Exp. 12/31/11	
CIVIL	
STATE OF CALIFORNIA	

OCTA
550 S. MAIN STREET
ORANGE, CA 92863
HDR ENGINEERING, INC.
3230 EL CAMINO REAL, SUITE 200
IRVINE, CA 92602-1377

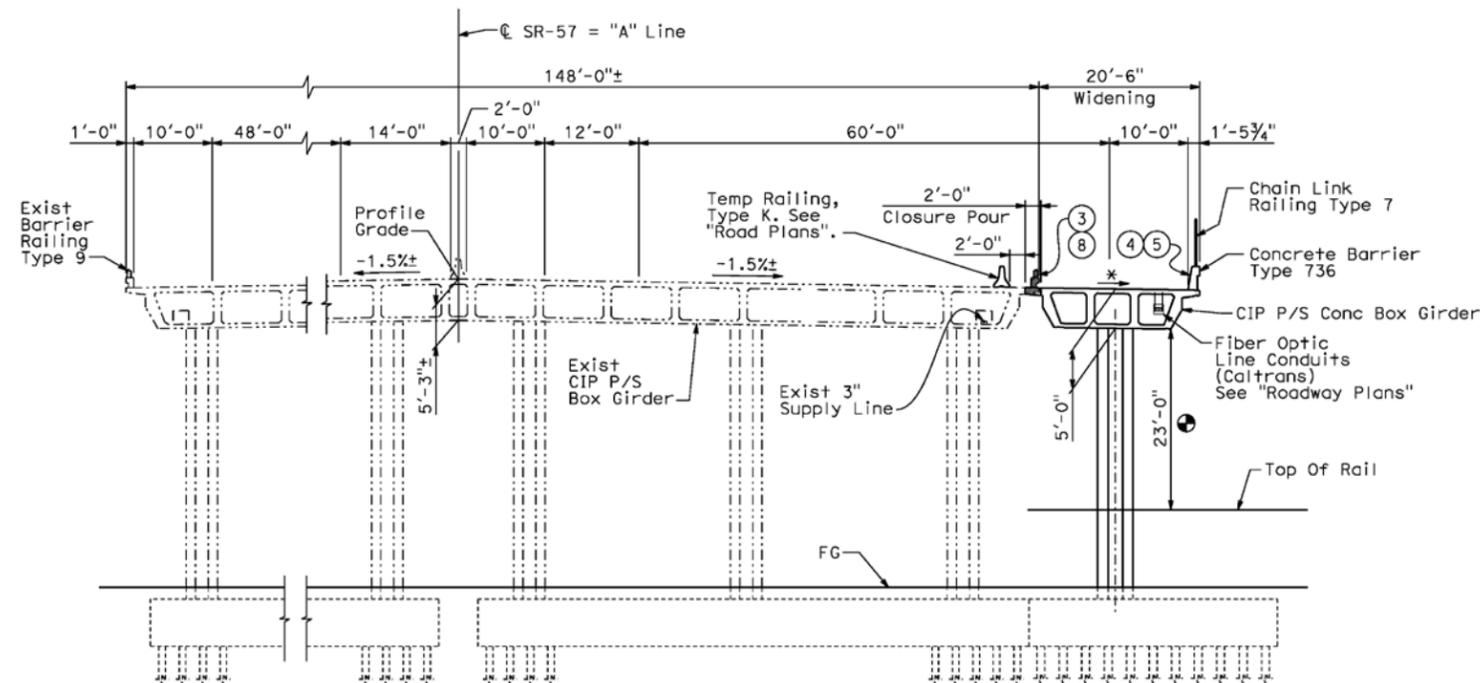
LEGEND

- ③ Remove Exist Type 9 Barrier And Salvage Metal Railing
- ④ Paint "DOUGLASS OVERHEAD"
- ⑤ Paint "BRIDGE No. 55-0337" And Year Constructed
- ▨ Indicates Bridge Removal (Portion)
- Indicates New Construction
- ⋯⋯⋯ Indicates Foundation or Hidden Lines
- ⋯⋯⋯ Indicates Existing Structure
- ⊕ Min Vert Clearance 23'-0" (Structure)



MINIMUM CONSTRUCTION CLEARANCE ENVELOPE

NTS



TYPICAL SECTION

SCALE 1"=10'
* Match Existing

NOTE:

The Contractor Shall Verify All Controlling Field Dimensions Before Ordering Or Fabricating Any Materials.

FINAL PAY QUANTITIES

STRUCTURE EXCAVATION (BRIDGE)	239	CY
STRUCTURE BACKFILL (BRIDGE)	148	CY
STRUCTURAL CONCRETE, BRIDGE FOOTING	70	CY
STRUCTURAL CONCRETE, BRIDGE	394	CY
STRUCTURAL CONCRETE, APPROACH SLAB N(TYPE 30D)	46	CY
STRUCTURAL CONCRETE, APPROACH SLAB R(TYPE 30D)	33	CY
PAVING NOTCH EXTENSION	1	CY
BAR REINFORCING STEEL (BRIDGE)	118,458	LB
SLOPE PAVING (CONCRETE)	22	CY
CONCRETE BARRIER (TYPE 736)	165	LF
CHAIN LINK RAILING (TYPE 7)	267	LF

APPROXIMATE QUANTITIES

TEMPORARY RAILING (TYPE K)	520	LF
SALVAGE METAL BRIDGE RAILING	267	LF
REMOVE CONCRETE (WINGWALL)	4	CY
BRIDGE REMOVAL (PORTION)	LUMP	SUM
FURNISH STEEL PILING (HP 10 X 42)	564	LF
DRIVE STEEL PILE (HP 10 X 42)	11	EA
FURNISH PILING (CLASS 90)	1,212	LF
DRIVE PILE (CLASS 90)	33	EA
PRESTRESSING STEEL	23,617	LB
DRILL AND BOND DOWEL	47	LF
JOINT SEAL (MR 2")	82	LF
SHORING	2,760	SF
WELDED STEEL PIPE CASING	79	LF

DESIGN OVERSIGHT	DESIGN BY J. Ramirez	CHECKED W. Chu	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADS: HL93 W/"LOW-BOY" PERMIT DESIGN VEHICLE	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 55-0337	DOUGLASS OH (WIDEN) GENERAL PLAN NO. 2
	DETAILS BY E. Gray	CHECKED W. Chu	LAYOUT BY J. Ramirez	CHECKED W. Chu	ERIC A. JOHNSON PROJECT ENGINEER	POST MILES 13.0	
SIGN OFF DATE	QUANTITIES BY J. Ramirez	CHECKED Z. Daniel	SPECIFICATIONS BY E. Johnson	PLANS AND SPECS COMPARED			
DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 06-01-09)				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	0 1 2 3	CU 12231 EA OF0401	DISREGARD PRINTS BEARING EARLIER REVISION DATES

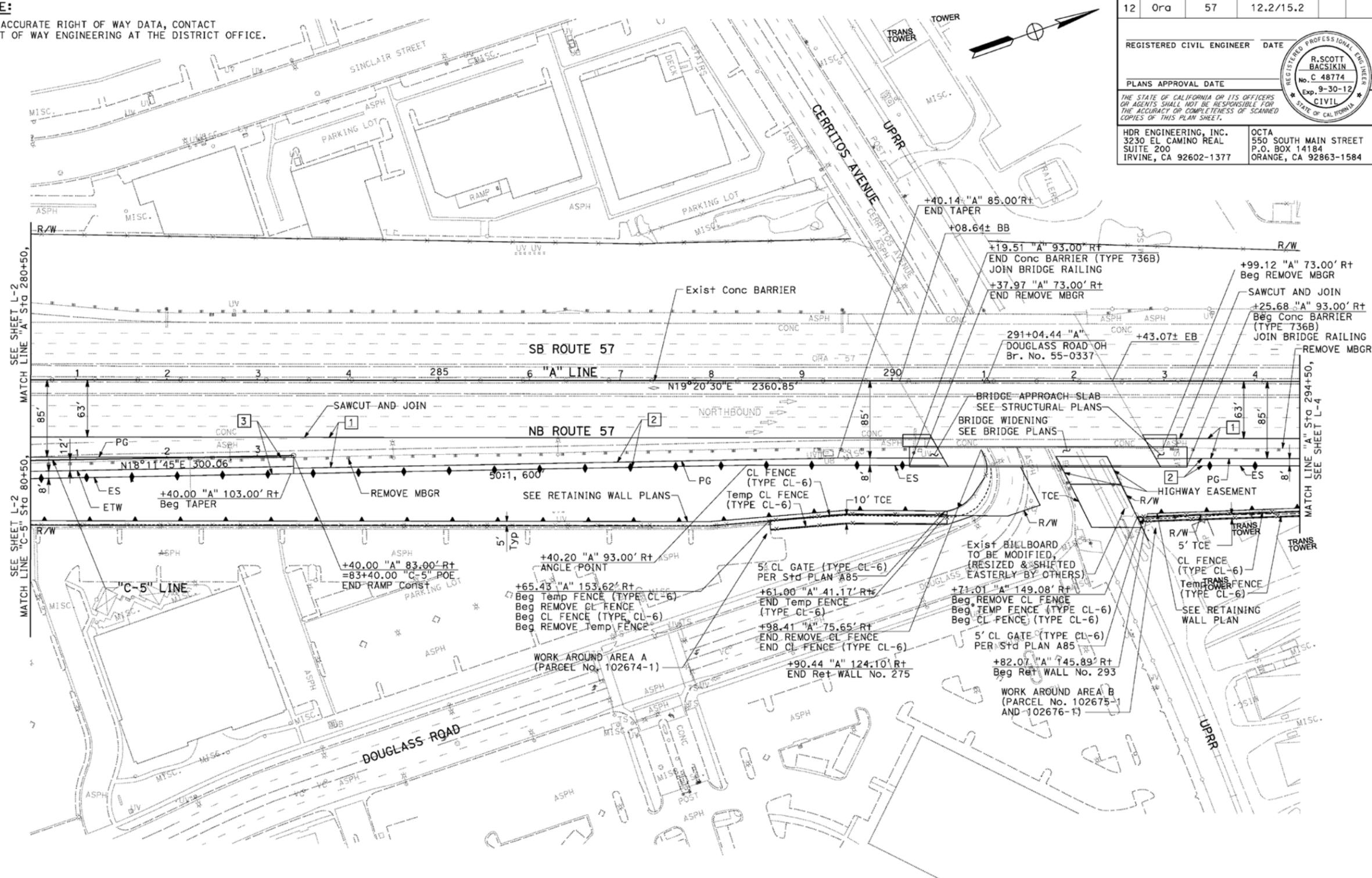
EXHIBIT B

USERNAME => 6121614 DATE PLOTTED => 23-APR-2015 TIME PLOTTED => 10:12

NOTE:
FOR ACCURATE RIGHT OF WAY DATA, CONTACT
RIGHT OF WAY ENGINEERING AT THE DISTRICT OFFICE.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
12	Ora	57	12.2/15.2		

REGISTERED CIVIL ENGINEER	DATE
PLANS APPROVAL DATE	
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>	
HDR ENGINEERING, INC. 3230 EL CAMINO REAL SUITE 200 IRVINE, CA 92602-1377	OCTA 550 SOUTH MAIN STREET P.O. BOX 14184 ORANGE, CA 92863-1584



STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION

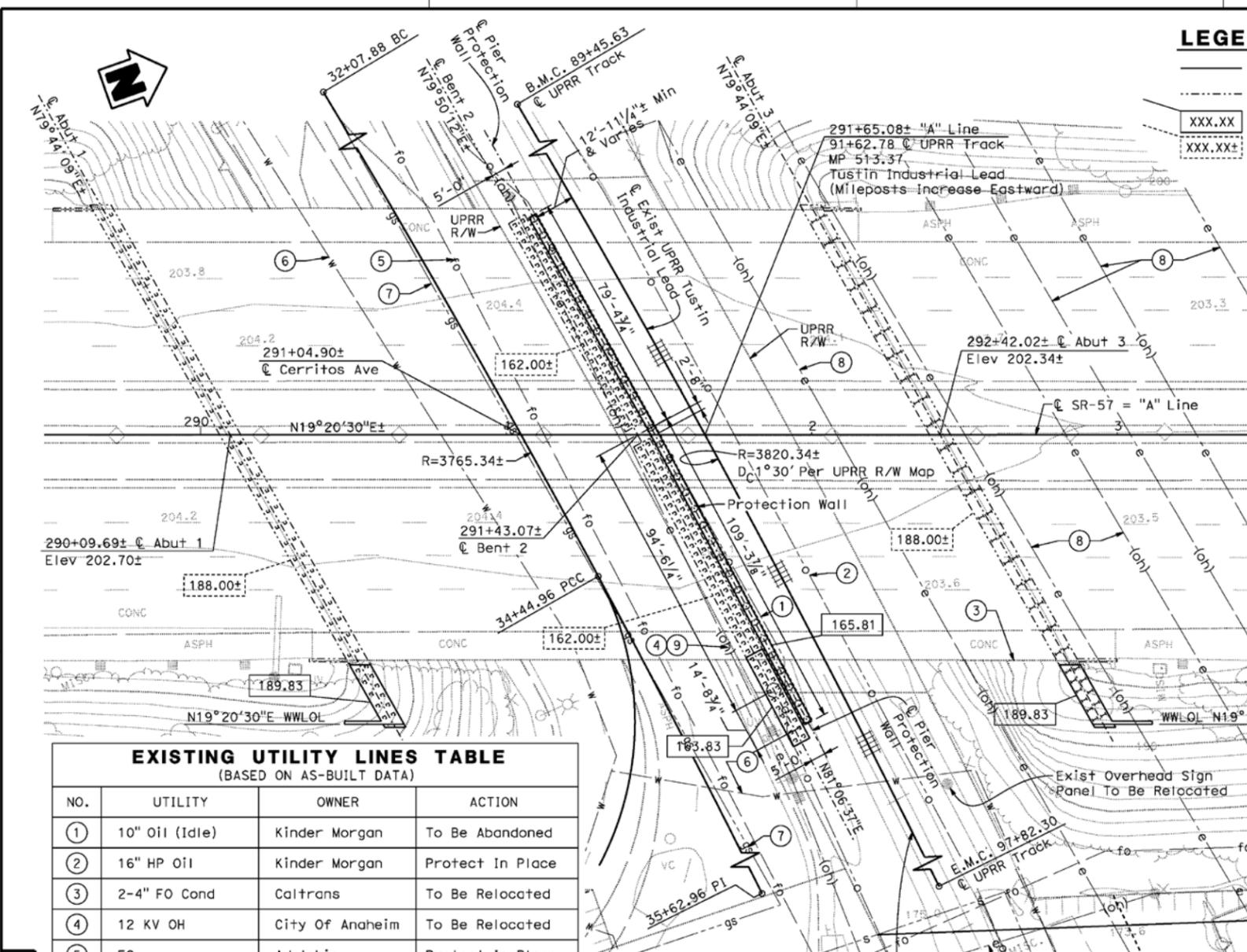
 CONSULTANT FUNCTIONAL SUPERVISOR: R. SCOTT BACSKIN
 CHECKED BY: LIEM A. NGUYEN
 DESIGNED BY: SHIVA BOUSTANI
 REVISIONS: (None listed)

NOT FOR CONSTRUCTION

LAYOUT
SCALE: 1" = 50' **L-3**

LAST REVISION: 3-14-11 DATE PLOTTED => 23-APR-2015 TIME PLOTTED => 10:11

EXHIBIT B



LEGEND

- Indicates New Construction
- - - - - Indicates Existing
- XXX.XX Indicates Bottom Of Footing Elevation
- XXX.XX± Indicates Bottom Of Exist Footing Elevation

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
12	Orca	57	12.2/15.2		

REGISTERED CIVIL ENGINEER DATE

ERIC A. JOHNSON
No. C57355
Exp. 12/31/11
CIVIL
STATE OF CALIFORNIA

PLANS APPROVAL DATE

The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.

OCTA
550 S. MAIN STREET
ORANGE, CA 92863

HDR ENGINEERING, INC.
3230 EL CAMINO REAL, SUITE 200
IRVINE, CA 92602-1377

PILE DATA TABLE (DRIVEN PILES)

Location	Pile Type	Nominal Resistance (kips)		Design Tip Elevation (ft)	Specified Tip Elevation (ft)	Nominal Driving Resistance (kips)
		Compression	Tension			
Abut 1	Conc Pile, Class 90 Alt X	170	-	141.0(a) 144.0(c) 169.0(d)	141.0	170
Bent 2	Conc Pile, Class 90 Alt X	180	-	122.0(a) 132.0(c) 143.0(d)	122.0	180
Abut 3	HP 10x42 Steel Pile	140	-	134.0(a) 139.0(c) 169.0(d)	134.0	140

- Notes:
- Design Tip Elevations Are Controlled By:
(a) Compression; (c) Settlement; (d) Lateral Load.
 - The Specified Tip Elevation Shall Not Be Raised Above The Design Tip Elevations For Lateral And Tolerable Settlement.

PILE DATA TABLE (CIDH PILES)

Location	Pile Type	Cut-off Elevation (ft)	Nominal Resistance (kips)		Design Tip Elevation (ft)	Specified Tip Elevation (ft)
			Compression	Tension		
Protection Wall	24" Dia CIDH	166.06	35	-	159.0(a) 159.0(c) 139.0(d)	139.0

- Notes:
- Design Tip Elevations Are Controlled By:
(a) Compression; (c) Settlement; (d) Lateral Load.
 - The Specified Tip Elevation Shall Not Be Raised Above The Design Tip Elevations For Compression, Lateral, And Tolerable Settlement.

EXISTING UTILITY LINES TABLE
(BASED ON AS-BUILT DATA)

NO.	UTILITY	OWNER	ACTION
①	10" Oil (Idle)	Kinder Morgan	To Be Abandoned
②	16" HP Oil	Kinder Morgan	Protect In Place
③	2-4" FO Cond	Caltrans	To Be Relocated
④	12 KV OH	City Of Anaheim	To Be Relocated
⑤	FO	Adelphia	Protect In Place
⑥	10" Water	City Of Anaheim	Protect In Place
⑦	4" Gas	So Cal Gas	Protect In Place
⑧	High Tension OH	So Cal Edison	Protect In Place
⑨	CATV OH	Adelphia	To Be Relocated
⑩	12 KV OH	City Of Anaheim	Protect In Place

NOTE:
The Contractor Shall Verify All Controlling Field Dimensions Before Ordering Or Fabricating Any Materials.

PLAN
SCALE 1"=20'

ABBREVIATIONS
HP = High Pressure
FO = Fiber Optic
KV = Kilovolts

DESIGN OVERSIGHT	SCALE: 1"=20'	VERT. DATUM	HORZ. DATUM	DESIGN BY J. Ramirez	CHECKED W. Chu	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 55-0337	DOUGLASS OH (WIDEN) FOUNDATION PLAN
SIGN OFF DATE	PHOTOGRAMMETRY AS OF:	ALIGNMENT TIES	DETAILS BY E. Gray	CHECKED W. Chu	PROJECT ENGINEER ERIC A. JOHNSON		POST MILE 13.0	
FOUNDATION PLAN SHEET (ENGLISH) (REV. 06-01-09)	SURVEYED BY E. Martinez	DRAFTED BY	QUANTITIES BY J. Ramirez	CHECKED Z. Daniel	EA 0F0404		DISREGARD PRINTS BEARING EARLIER REVISION DATES	

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

0 1 2 3

REVISION DATES (PRELIMINARY STAGE ONLY)

10/05 2/06 3/06 8/10

SHEET 4 OF 27

FILE => 55-0337r-e-fp101.dgn

FINAL PAY QUANTITIES

STRUCTURE EXCAVATION (RETAINING WALL)	410 CY
STRUCTURE BACKFILL (RETAINING WALL)	190 CY
STRUCTURE CONCRETE (RETAINING WALL)	362 CY
BAR REINFORCING STEEL (RETAINING WALL)	135,561 LB

APPROXIMATE QUANTITIES

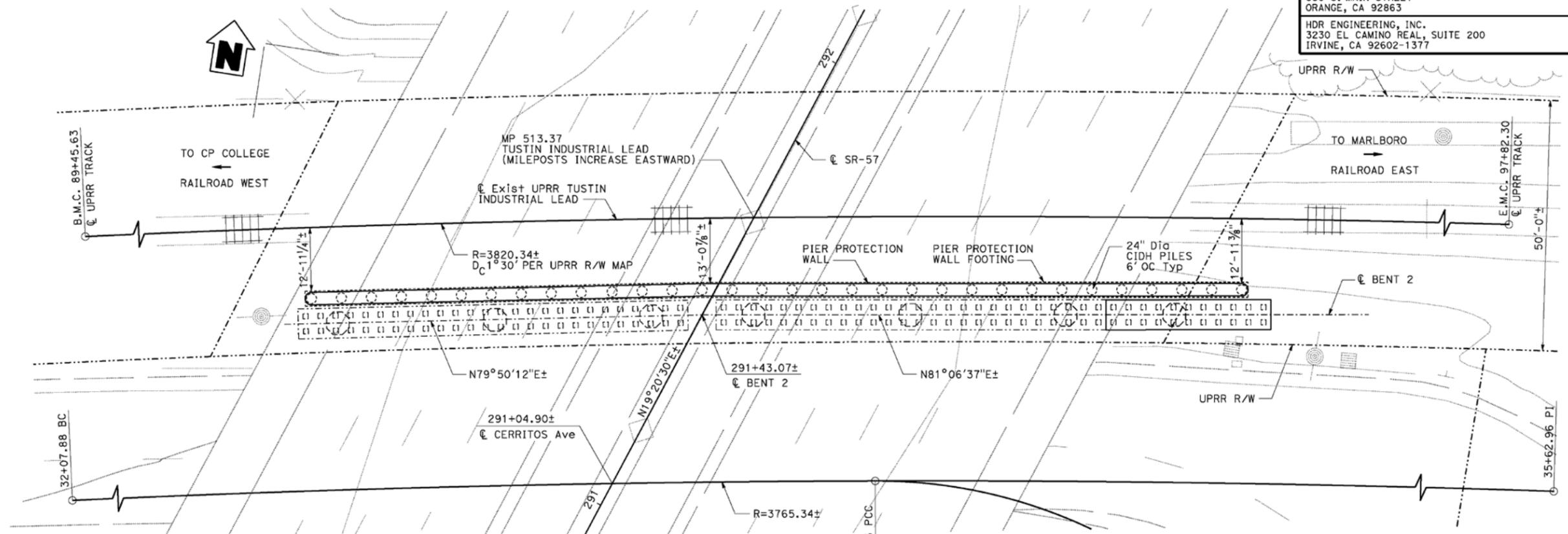
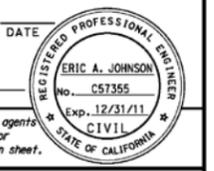
SHORING	2,723 SF
---------	----------

INDEX TO PLANS

SHEET No.	DESCRIPTION	SHEET No.	DESCRIPTION
1	GENERAL PLAN	6	SHORING DETAIL
2	FOUNDATION PLAN	7	LOG OF TEST BORINGS - SHEET 1 OF 4
3	PARTIAL PLAN AND ELEVATION	8	LOG OF TEST BORINGS - SHEET 2 OF 4
4	TYPICAL SECTION	9	LOG OF TEST BORINGS - SHEET 3 OF 4
5	TYPICAL WALL DETAILS	10	LOG OF TEST BORINGS (AS-BUILT) - SHEET 4 OF 4

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No	TOTAL SHEETS
12	Ora	57	12.2/15.2		

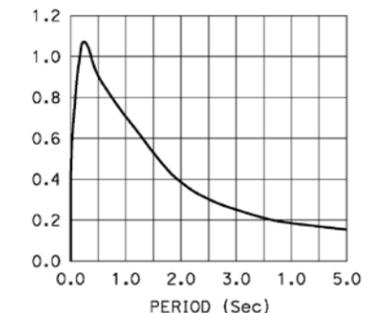
REGISTERED CIVIL ENGINEER DATE _____
 PLANS APPROVAL DATE _____
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of scanned copies of this plan sheet.
 OCTA
 550 S. MAIN STREET
 ORANGE, CA 92863
 HDR ENGINEERING, INC.
 3230 EL CAMINO REAL, SUITE 200
 IRVINE, CA 92602-1377



DESIGN CRITERIA

DESIGN: UPRR GUIDELINES FOR DESIGN OF HIGHWAY SEPARATION STRUCTURES OVER RAILROAD, 1999; AND AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 2007
SEISMIC DESIGN: MANUAL FOR RAILWAY ENGINEERING, 2009; AND CALTRANS SEISMIC DESIGN CRITERIA (SDC), VERSION 1.4, JUNE 2006
LIVE LOAD: LOAD OF 400 kips-[AASHTO 3.6.5.2]
SEISMIC LOADING: CALTRANS MTD 20-1, SDC APPENDIX B (SEPTEMBER, 2009)
 ARS: AS SHOWN
 SOIL PROFILE: INITIAL $V_{s30} = 880$ (ft/sec), LIQUEFACTION: YES, NO
 NON-LIQUEFACTION CASE: $PGA = 0.48$ (in g), M (FOR PGA) = 6.6 (M_{mode})
REINFORCED CONCRETE: $f'_c = 4,000$ psi
 $f_y = 60,000$ psi
PILES: 24" CIDH CONCRETE PILES

NOTE:
 The Contractor shall verify all controlling field dimensions before ordering or fabricating any materials.



ARS CURVE FOR SAFETY EARTHQUAKE EVENTS (NON-LIQUEFACTION CASE)

DESIGN OVERSIGHT	DESIGN BY J. Ramirez	CHECKED W. Chu	LOAD & RESISTANCE FACTOR DESIGN	LIVE LOADING: HL93 W/ "LOW-BOY" PERMIT DESIGN VEHICLE	PREPARED FOR THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION	BRIDGE NO. 55-0337	DOUGLASS OH (WIDEN) GENERAL PLAN NO. 1
DETAILS	BY E. Gray	CHECKED W. Chu	LAYOUT	BY J. Ramirez	ERIC A. JOHNSON PROJECT ENGINEER	POST MILES 13.0	
SIGN OFF DATE	QUANTITIES BY J. Ramirez	CHECKED Z. Daniel	SPECIFICATIONS	BY E. Johnson	PLANS AND SPECS COMPARED	CU 12231 EA 0F0401	REVISION DATES (PRELIMINARY STAGE ONLY)
DESIGN GENERAL PLAN SHEET (ENGLISH) (REV. 06-01-09)					ORIGINAL SCALE IN INCHES FOR REDUCED PLANS	DISREGARD PRINTS BEARING EARLIER REVISION DATES	SHEET 1 OF 27

12-ORA-57-PM 12.2/15.2
EA No.: 0F0400
SCH No. 2009031085

State Route 57 (SR-57), widen the northbound side between 0.31 mile south of Katella Avenue to 0.31 mile north of Lincoln Avenue (Post Mile [PM] 12.2 to PM 15.2) within the City of Anaheim in Orange County, California.

INITIAL STUDY WITH NEGATIVE DECLARATION
Submitted Pursuant to: Division 13, California Public Resources Code

THE STATE OF CALIFORNIA
Department of Transportation

Nov 24, 2009
Date of Approval


CINDY QUON
District Director, District 12
California Department of Transportation

NEGATIVE DECLARATION

STATE OF CALIFORNIA
DEPARTMENT OF
TRANSPORTATION

SCH No. 2009031085

12-ORA-57-PM 12.2/15.2
EA No.: 0F0400

NEGATIVE DECLARATION

Pursuant to: Division 13, Public Resources Code

Description

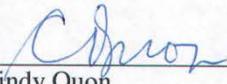
The California Department of Transportation District 12 (the Department), in cooperation with the Orange County Transportation Authority (OCTA), proposes to widen northbound State Route 57 (SR-57) between Katella Avenue and Lincoln Avenue within the City of Anaheim in Orange County, California. This project would reduce traffic congestion and maximize mainline mobility.

Determination

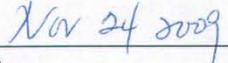
An Initial Study and Supplemental Initial Study have been prepared by the Department, District 12. On the basis of these studies it is determined that the proposed action will not have a significant effect upon the environment for the following reasons:

The Proposed Project would have no effect on: Farmland/Timberlands, Relocations, Floodplains, Paleontological Resources, Natural Communities, Plant Species, Threatened and Endangered Species, and Invasive Species.

In addition, the Proposed Project would have no significant effect on: Land Use, Growth, Community Character and Cohesion, Environmental Justice, Utilities/Emergency Services, Traffic/Transportation/Pedestrian and Bicycle Facilities, Visual/Aesthetics, Cultural Resources, Water Quality and Storm Water Runoff, Geology/Soils/Seismicity/Topography, Hazardous Waste/Materials, Air Quality, Noise, Wetlands and Other Waters, and Animal Species.



Cindy Quon
District Director
District 12
California Department of Transportation



Date