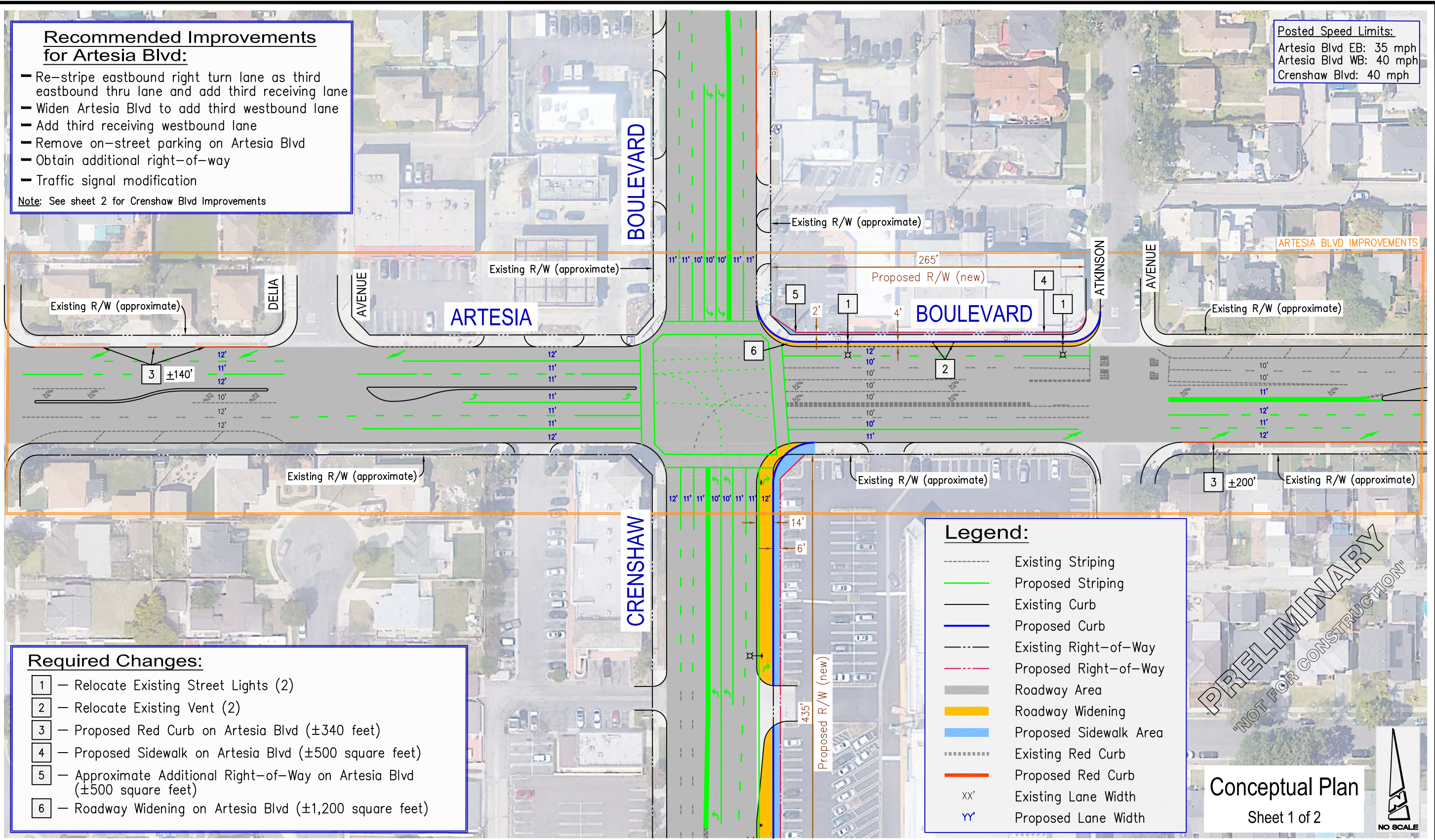


Recommended Improvements for Artesia Blvd:

- Re-stripe eastbound right turn lane as third eastbound thru lane and add third receiving lane
- Widen Artesia Blvd to add third westbound lane
- Add third receiving westbound lane
- Remove on-street parking on Artesia Blvd
- Obtain additional right-of-way
- Traffic signal modification

Note: See sheet 2 for Crenshaw Blvd Improvements

Posted Speed Limits:
 Artesia Blvd EB: 35 mph
 Artesia Blvd WB: 40 mph
 Crenshaw Blvd: 40 mph



Required Changes:

- 1 - Relocate Existing Street Lights (2)
- 2 - Relocate Existing Vent (2)
- 3 - Proposed Red Curb on Artesia Blvd (±340 feet)
- 4 - Proposed Sidewalk on Artesia Blvd (±500 square feet)
- 5 - Approximate Additional Right-of-Way on Artesia Blvd (±500 square feet)
- 6 - Roadway Widening on Artesia Blvd (±1,200 square feet)

Legend:

- Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- Existing Right-of-Way
- Proposed Right-of-Way
- Roadway Area
- Roadway Widening
- Proposed Sidewalk Area
- Existing Red Curb
- Proposed Red Curb
- xx' Existing Lane Width
- yy' Proposed Lane Width

Conceptual Plan
 Sheet 1 of 2

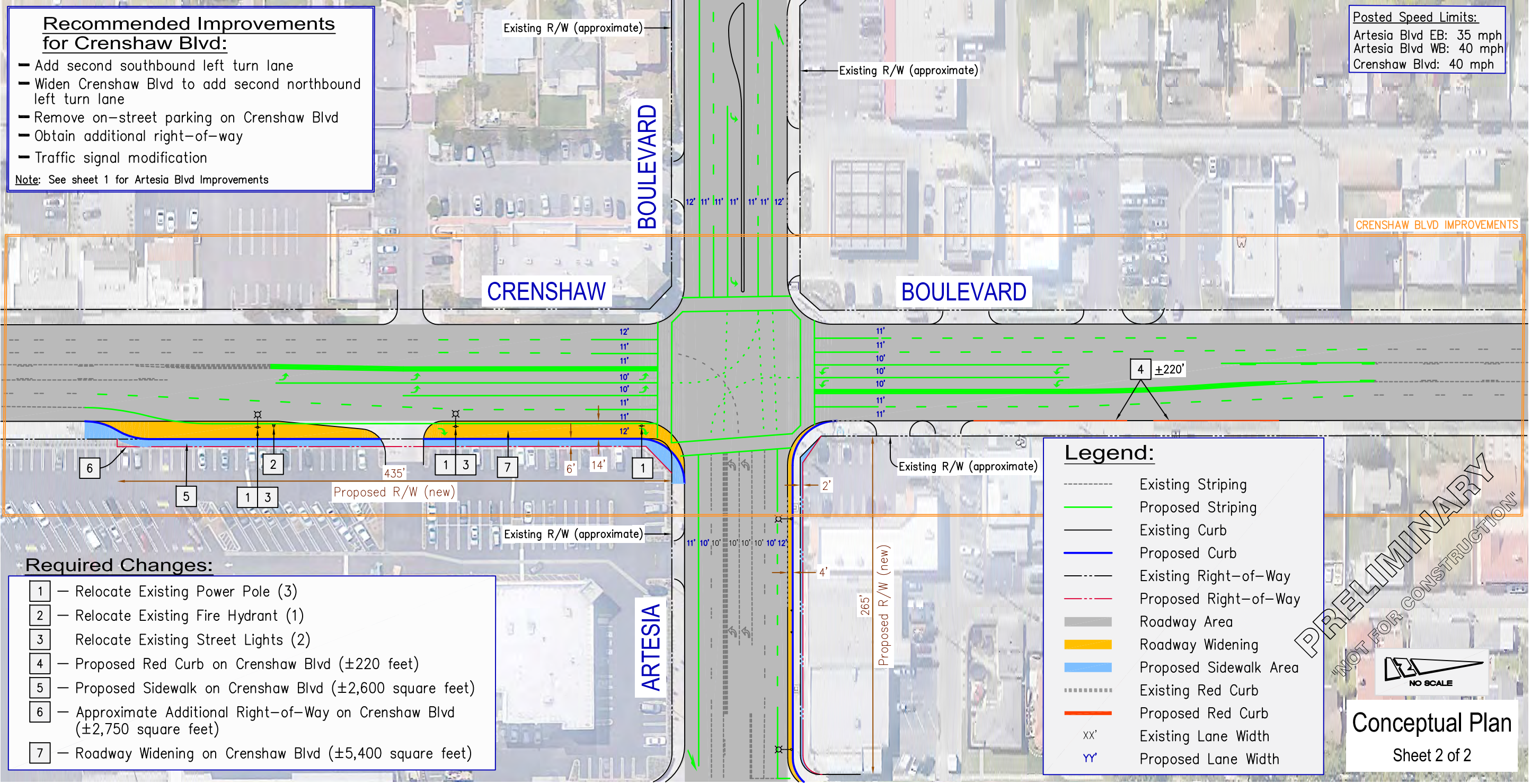
PRELIMINARY
 NOT FOR CONSTRUCTION

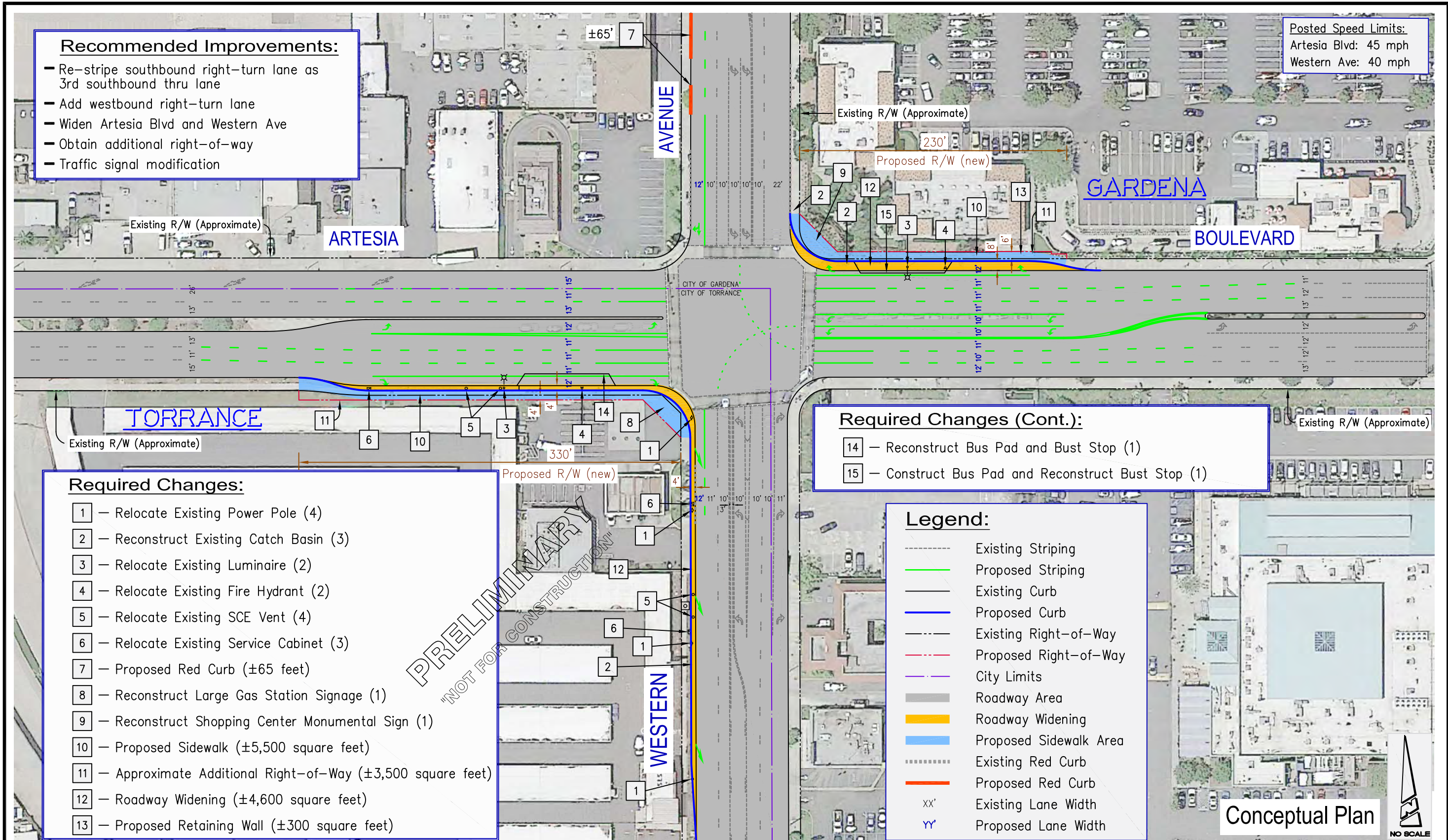
NO SCALE



Torrance Citywide Traffic Analysis
 Recommended Improvements at Crenshaw Blvd and Artesia Blvd
 (Artesia Blvd Improvements Shown)

Figure 7.1a





- Recommended Improvements:**
- Re-stripe southbound right-turn lane as 3rd southbound thru lane
 - Add westbound right-turn lane
 - Widen Artesia Blvd and Western Ave
 - Obtain additional right-of-way
 - Traffic signal modification

Posted Speed Limits:
 Artesia Blvd: 45 mph
 Western Ave: 40 mph

- Required Changes:**
- 1 - Relocate Existing Power Pole (4)
 - 2 - Reconstruct Existing Catch Basin (3)
 - 3 - Relocate Existing Luminaire (2)
 - 4 - Relocate Existing Fire Hydrant (2)
 - 5 - Relocate Existing SCE Vent (4)
 - 6 - Relocate Existing Service Cabinet (3)
 - 7 - Proposed Red Curb (±65 feet)
 - 8 - Reconstruct Large Gas Station Signage (1)
 - 9 - Reconstruct Shopping Center Monumental Sign (1)
 - 10 - Proposed Sidewalk (±5,500 square feet)
 - 11 - Approximate Additional Right-of-Way (±3,500 square feet)
 - 12 - Roadway Widening (±4,600 square feet)
 - 13 - Proposed Retaining Wall (±300 square feet)

- Required Changes (Cont.):**
- 14 - Reconstruct Bus Pad and Bust Stop (1)
 - 15 - Construct Bus Pad and Reconstruct Bust Stop (1)

Legend:

- - - Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- - - Existing Right-of-Way
- - - Proposed Right-of-Way
- - - City Limits
- Roadway Area
- Roadway Widening
- Proposed Sidewalk Area
- ⋯ Existing Red Curb
- Proposed Red Curb
- xx' Existing Lane Width
- yy' Proposed Lane Width

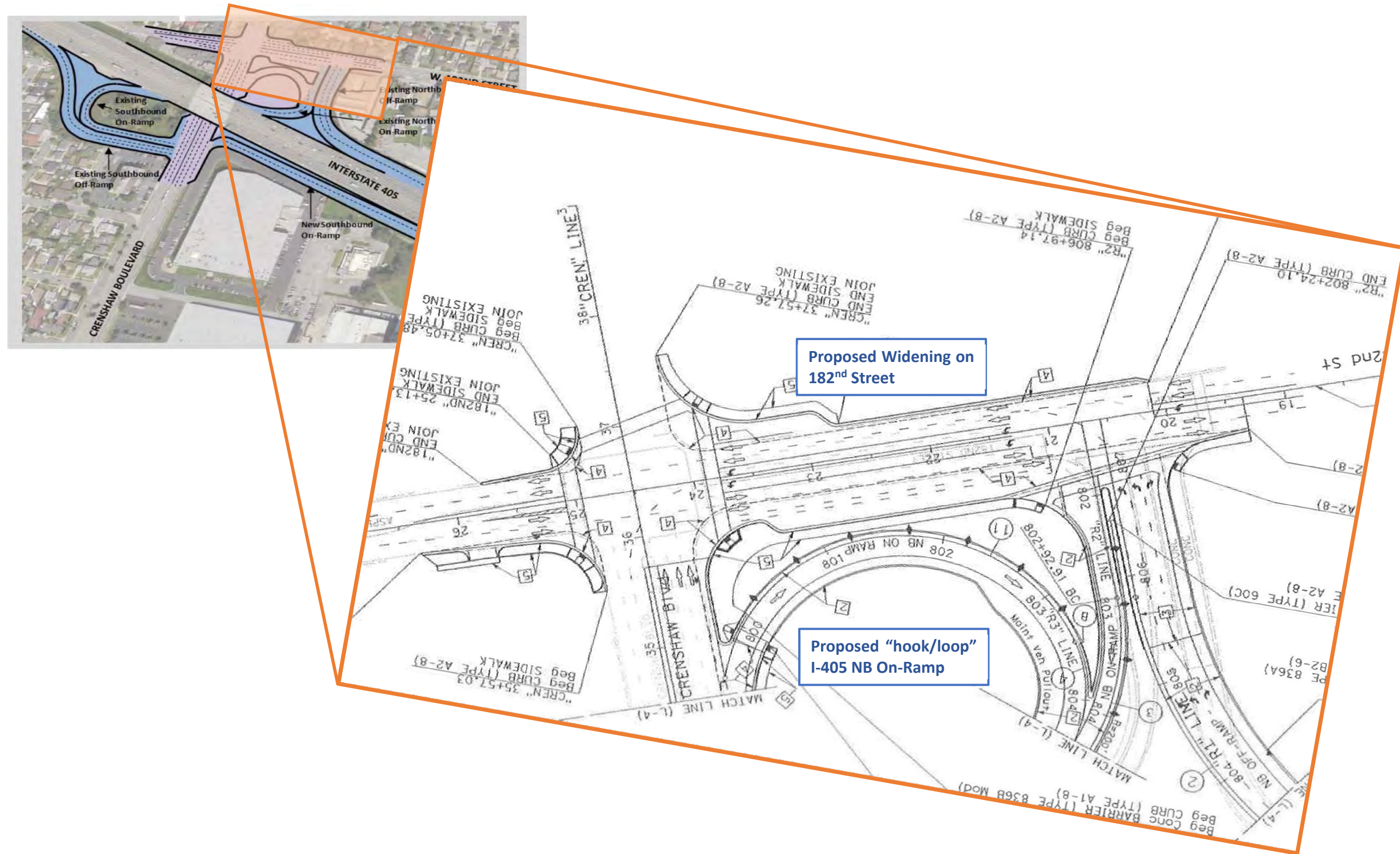
Conceptual Plan
 NO SCALE



Torrance Citywide Traffic Analysis
 Recommended Improvements at Western Ave and Artesia Blvd

Figure 7.2

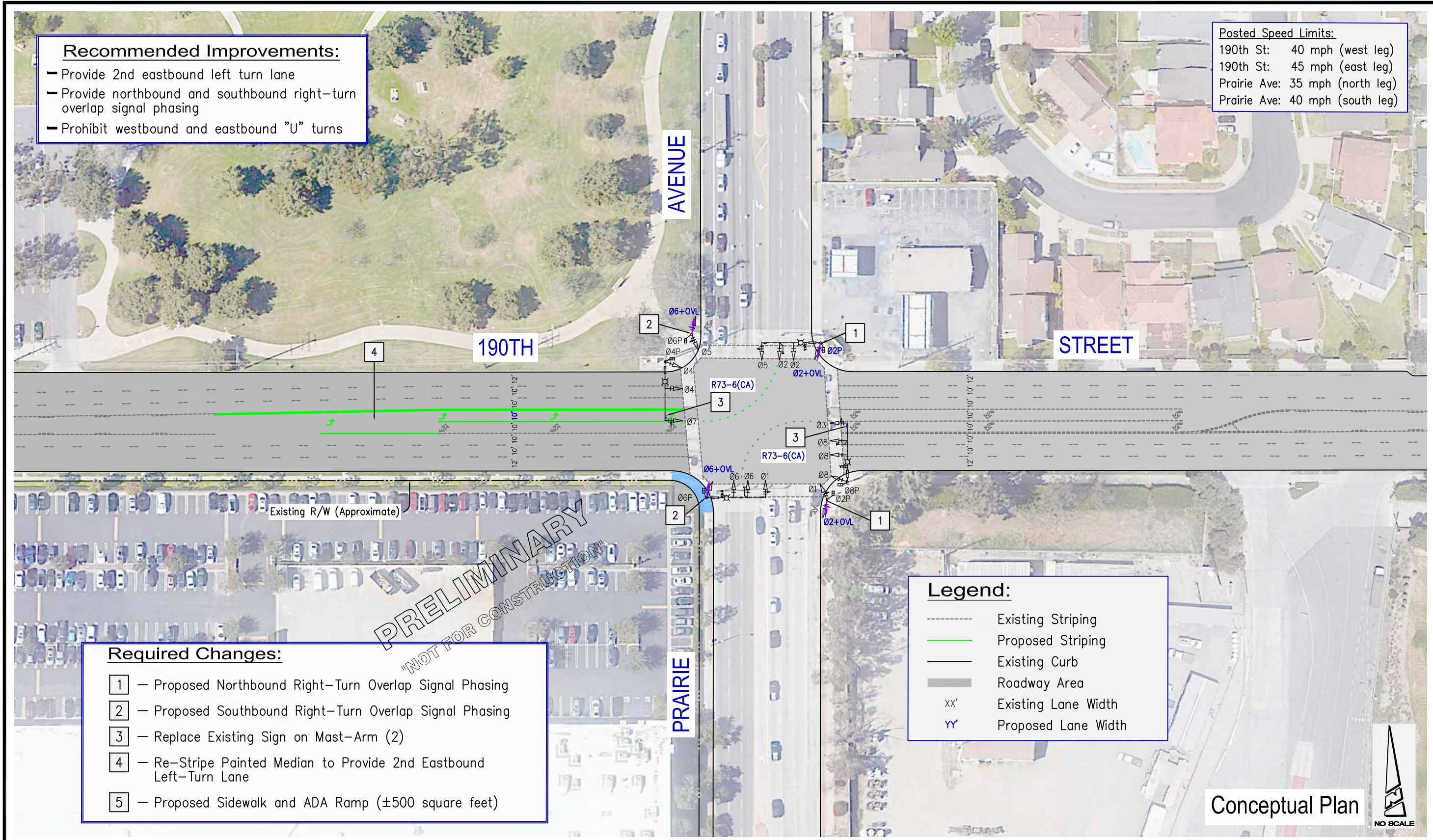
Plan 7.3. Crenshaw Boulevard at 182nd Street – Proposed Improvements



Posted Speed Limits:
 190th St: 40 mph (west leg)
 190th St: 45 mph (east leg)
 Prairie Ave: 35 mph (north leg)
 Prairie Ave: 40 mph (south leg)

Recommended Improvements:

- Provide 2nd eastbound left turn lane
- Provide northbound and southbound right-turn overlap signal phasing
- Prohibit westbound and eastbound "U" turns



Required Changes:

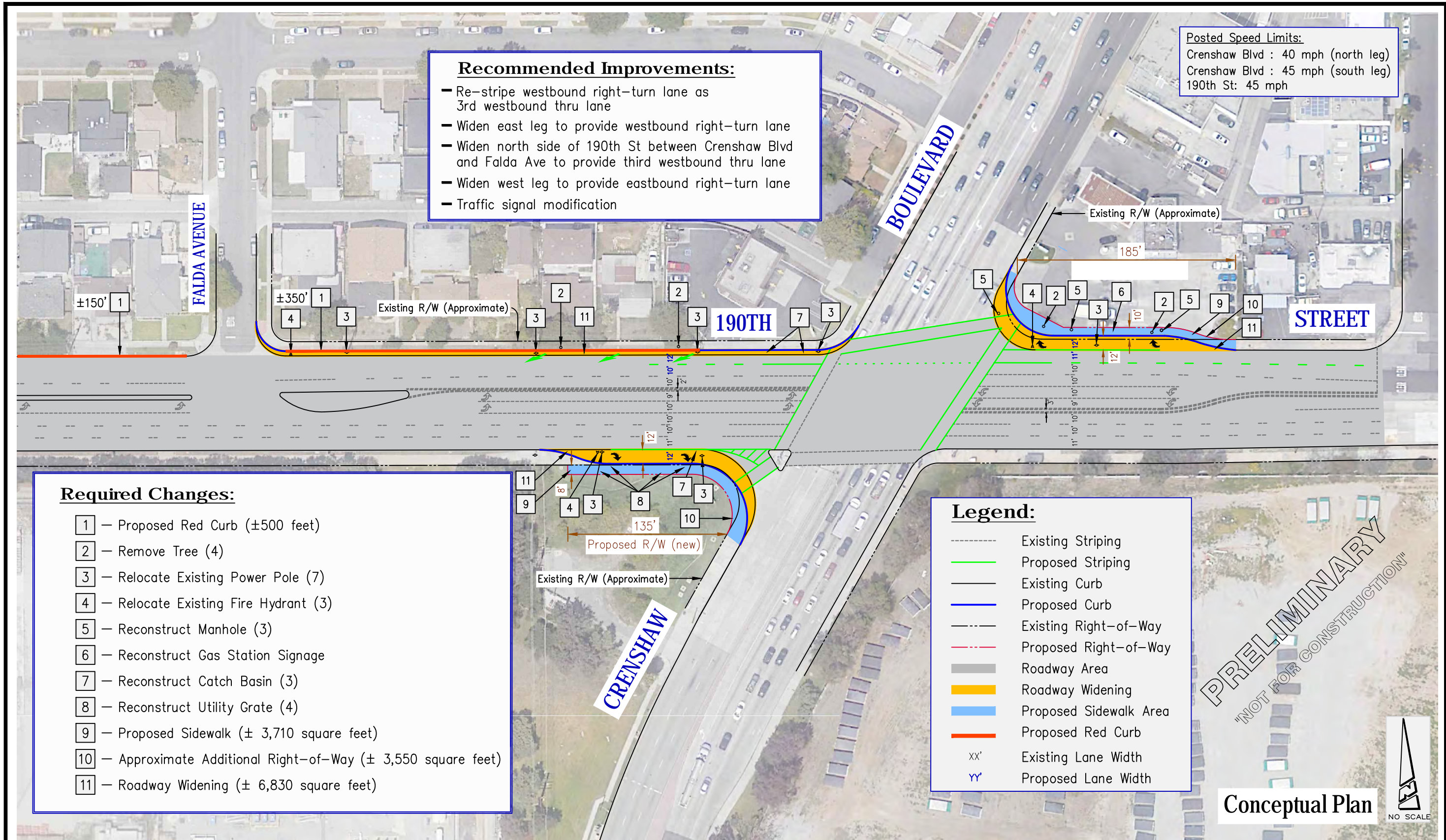
- 1 - Proposed Northbound Right-Turn Overlap Signal Phasing
- 2 - Proposed Southbound Right-Turn Overlap Signal Phasing
- 3 - Replace Existing Sign on Mast-Arm (2)
- 4 - Re-Stripe Painted Median to Provide 2nd Eastbound Left-Turn Lane
- 5 - Proposed Sidewalk and ADA Ramp (±500 square feet)

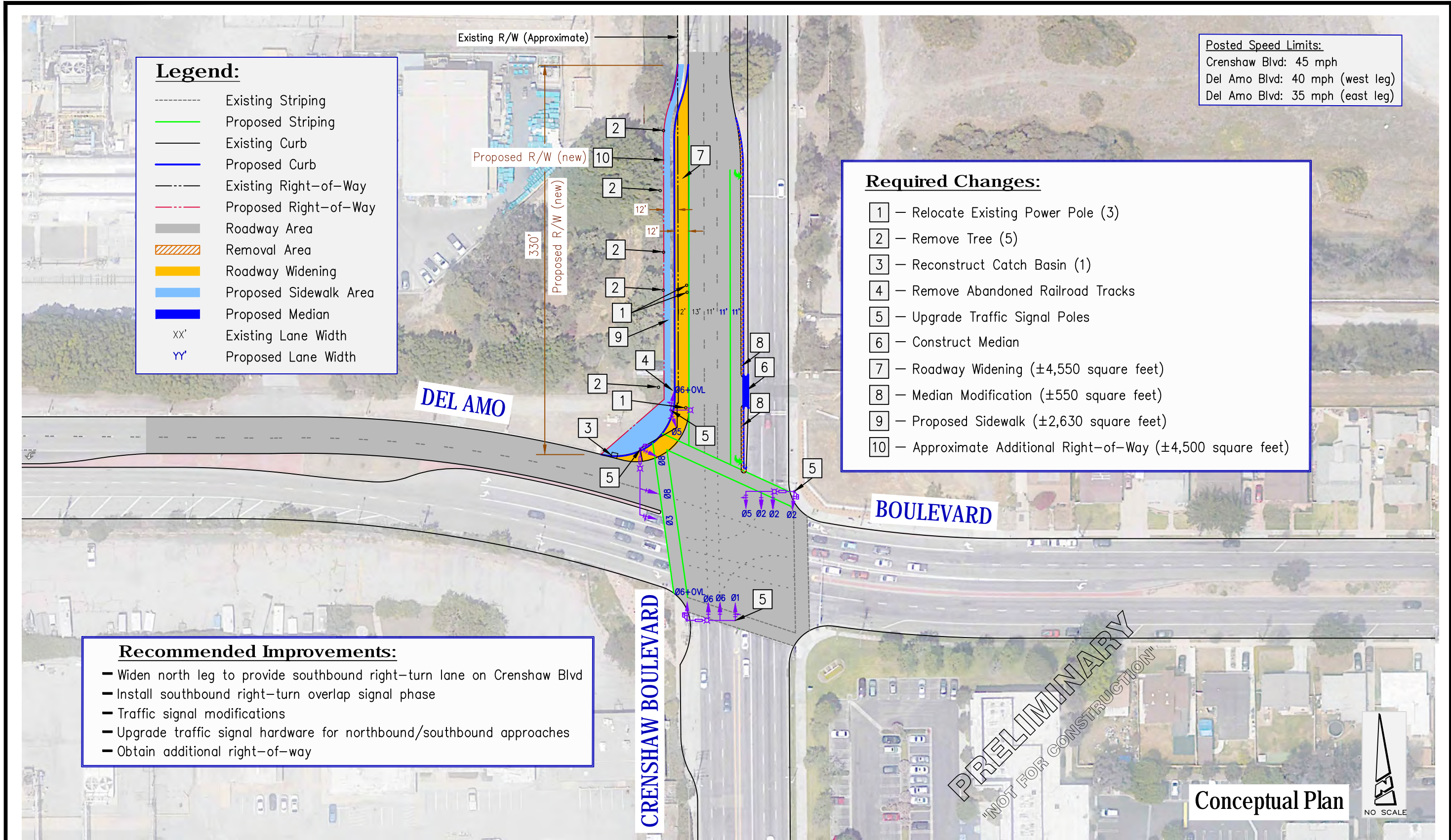
Legend:

- Existing Striping
- Proposed Striping
- Existing Curb
- █ Roadway Area
- XX' Existing Lane Width
- YY' Proposed Lane Width

Conceptual Plan







Legend:

- Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- Existing Right-of-Way
- Proposed Right-of-Way
- Roadway Area
- Removal Area
- Roadway Widening
- Proposed Sidewalk Area
- Proposed Median
- XX' Existing Lane Width
- YY' Proposed Lane Width

Posted Speed Limits:
 Crenshaw Blvd: 45 mph
 Del Amo Blvd: 40 mph (west leg)
 Del Amo Blvd: 35 mph (east leg)

Required Changes:

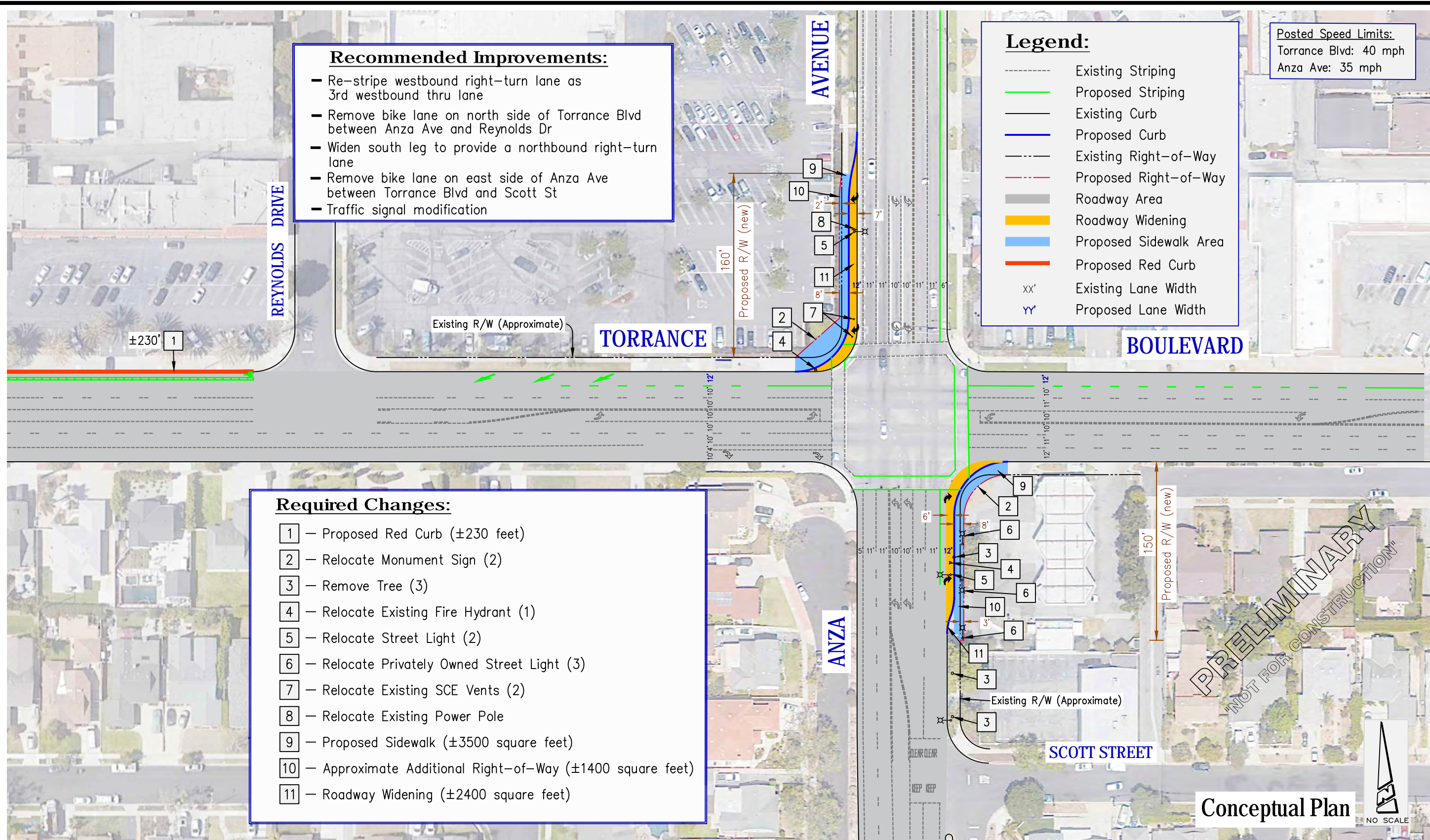
- 1 - Relocate Existing Power Pole (3)
- 2 - Remove Tree (5)
- 3 - Reconstruct Catch Basin (1)
- 4 - Remove Abandoned Railroad Tracks
- 5 - Upgrade Traffic Signal Poles
- 6 - Construct Median
- 7 - Roadway Widening (±4,550 square feet)
- 8 - Median Modification (±550 square feet)
- 9 - Proposed Sidewalk (±2,630 square feet)
- 10 - Approximate Additional Right-of-Way (±4,500 square feet)

Recommended Improvements:

- Widen north leg to provide southbound right-turn lane on Crenshaw Blvd
- Install southbound right-turn overlap signal phase
- Traffic signal modifications
- Upgrade traffic signal hardware for northbound/southbound approaches
- Obtain additional right-of-way

PRELIMINARY
 "NOT FOR CONSTRUCTION"

Conceptual Plan
 NO SCALE



Recommended Improvements:

- Re-stripe westbound right-turn lane as 3rd westbound thru lane
- Remove bike lane on north side of Torrance Blvd between Anza Ave and Reynolds Dr
- Widen south leg to provide a northbound right-turn lane
- Remove bike lane on east side of Anza Ave between Torrance Blvd and Scott St
- Traffic signal modification

Legend:

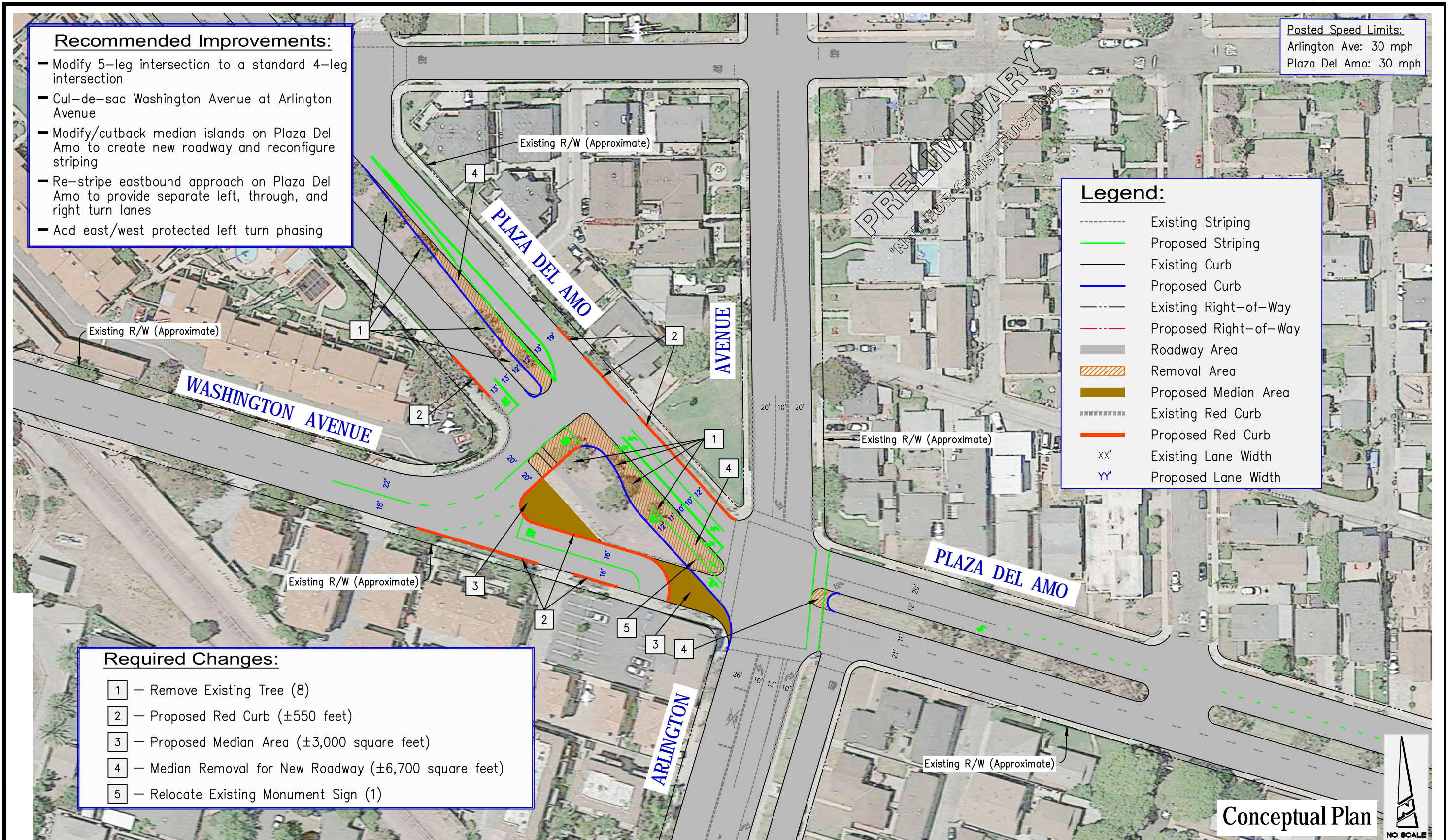
- Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- Existing Right-of-Way
- Proposed Right-of-Way
- Roadway Area
- Roadway Widening
- Proposed Sidewalk Area
- Proposed Red Curb
- xx' Existing Lane Width
- yy' Proposed Lane Width

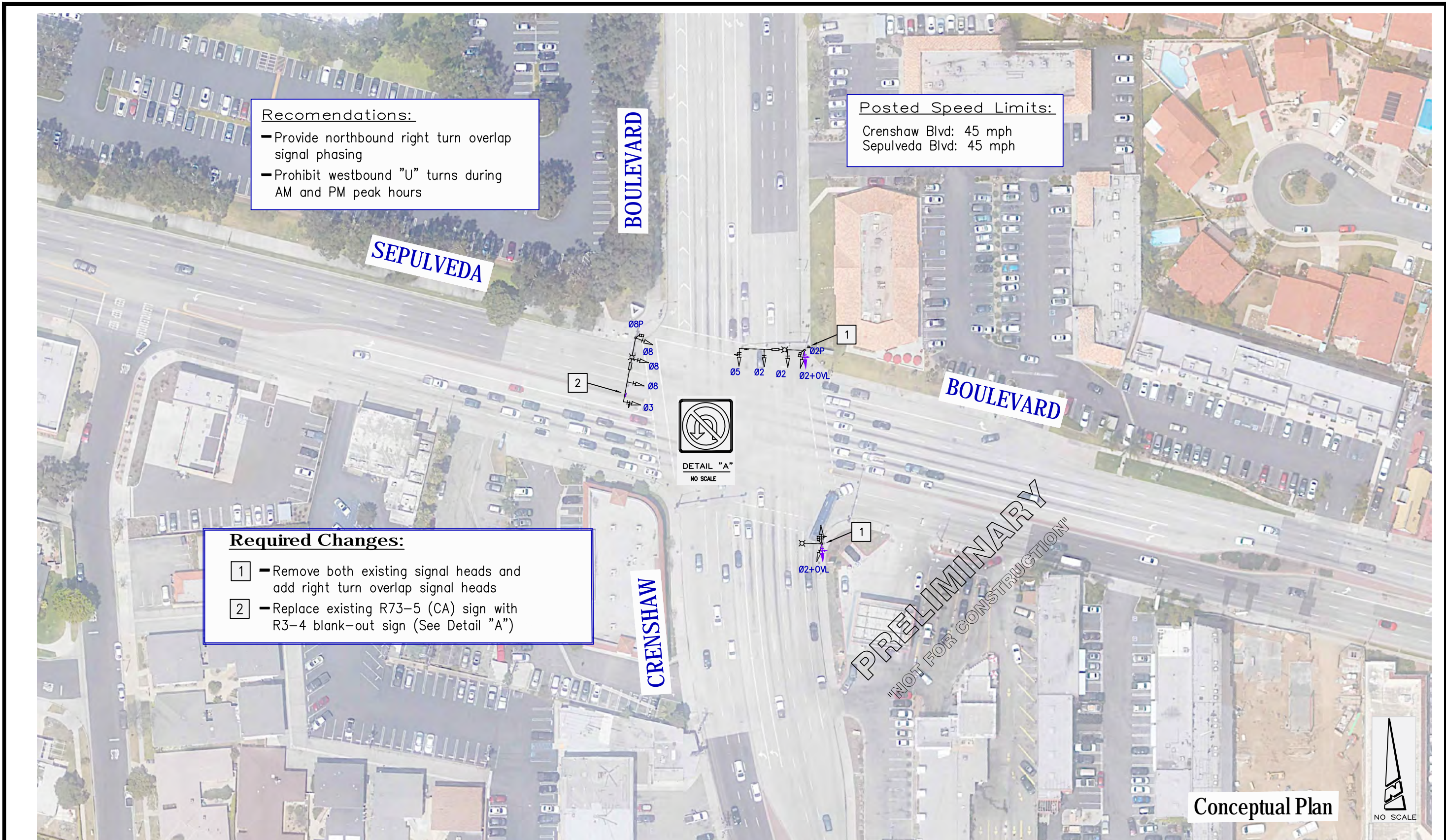
Posted Speed Limits:
 Torrance Blvd: 40 mph
 Anza Ave: 35 mph

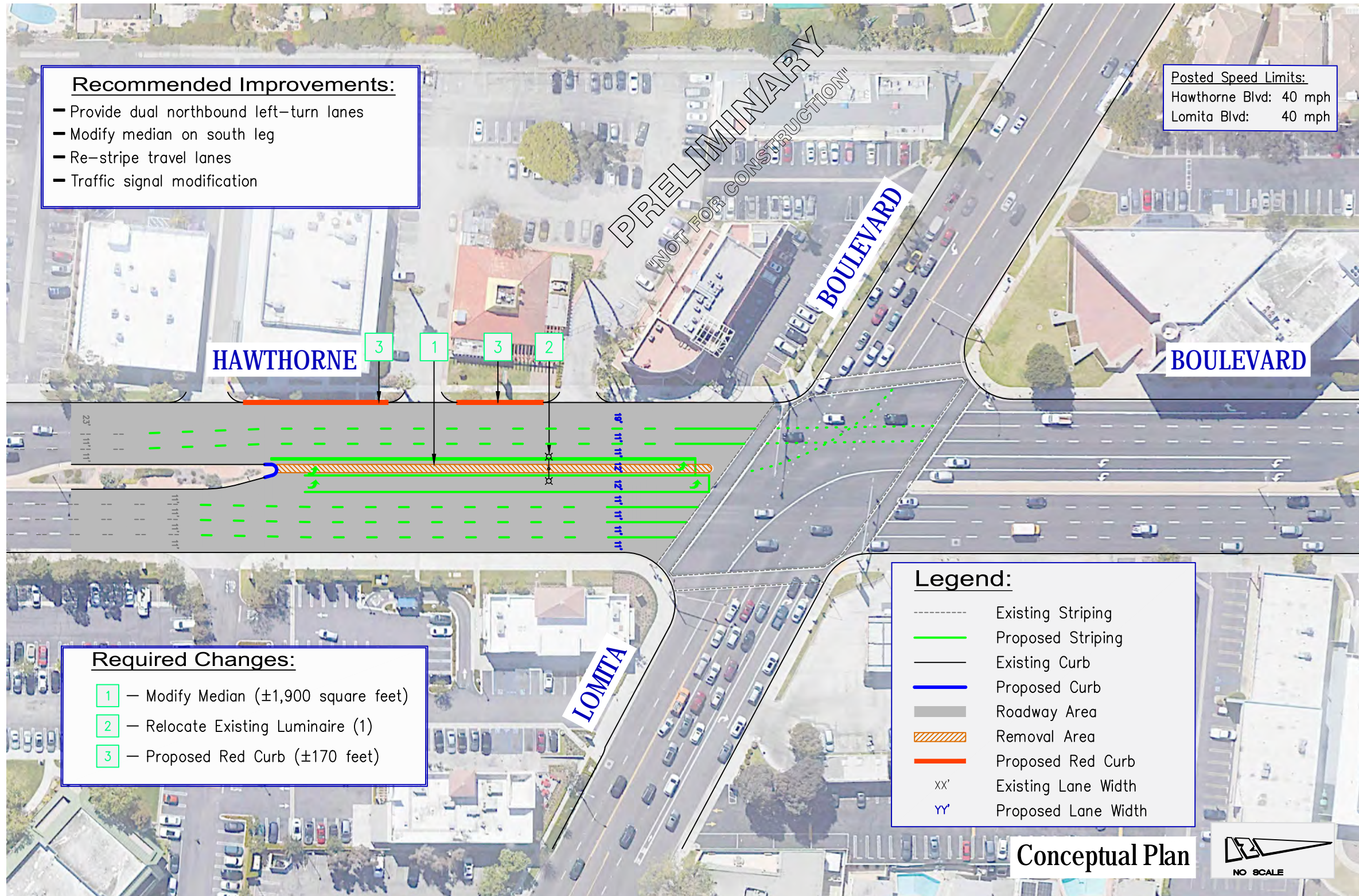
Required Changes:

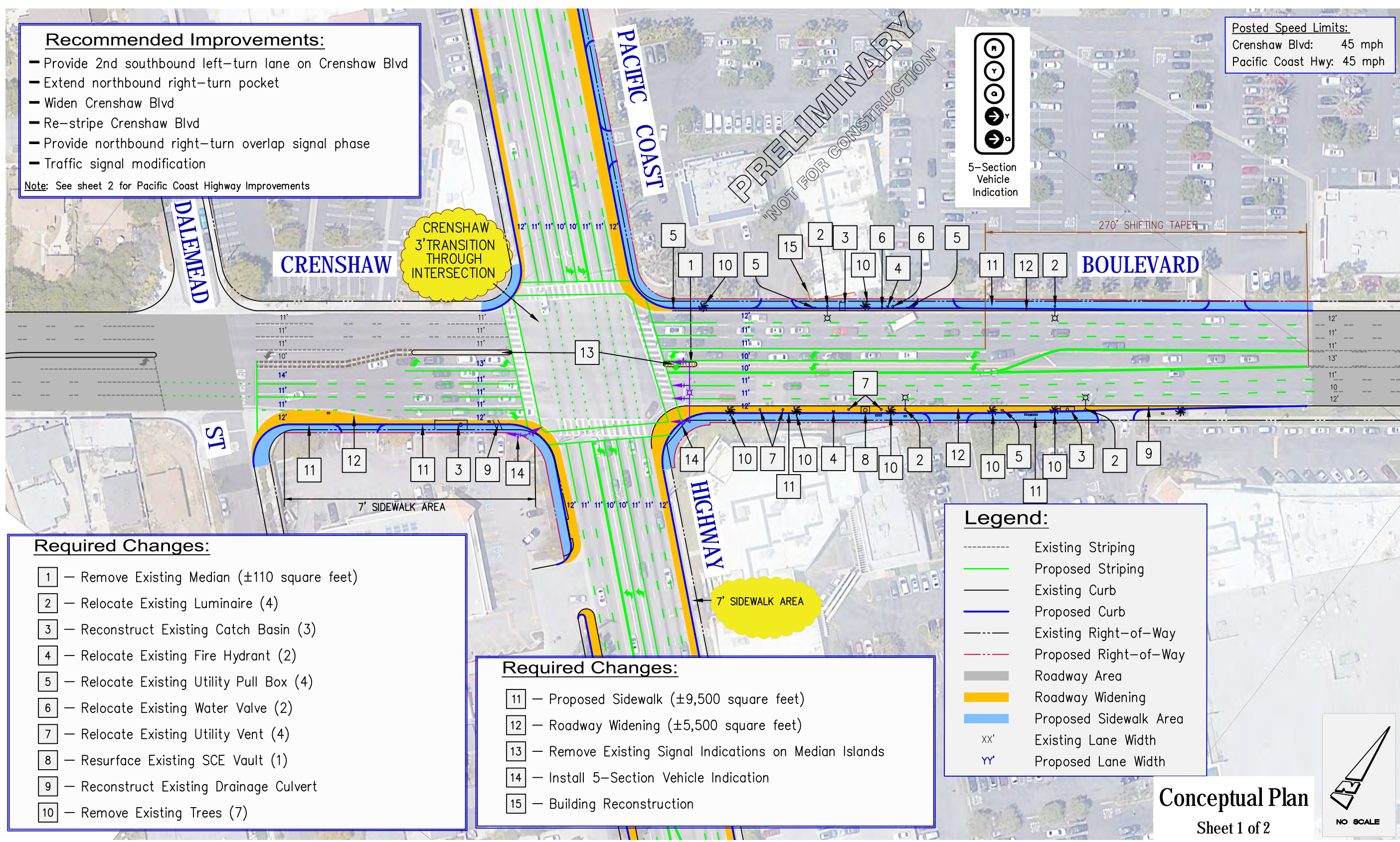
- 1 - Proposed Red Curb (±230 feet)
- 2 - Relocate Monument Sign (2)
- 3 - Remove Tree (3)
- 4 - Relocate Existing Fire Hydrant (1)
- 5 - Relocate Street Light (2)
- 6 - Relocate Privately Owned Street Light (3)
- 7 - Relocate Existing SCE Vents (2)
- 8 - Relocate Existing Power Pole
- 9 - Proposed Sidewalk (±3500 square feet)
- 10 - Approximate Additional Right-of-Way (±1400 square feet)
- 11 - Roadway Widening (±2400 square feet)

Conceptual Plan
 NO SCALE







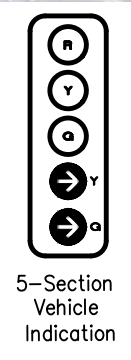


Recommended Improvements:

- Provide 2nd southbound left-turn lane on Crenshaw Blvd
- Extend northbound right-turn pocket
- Widen Crenshaw Blvd
- Re-stripe Crenshaw Blvd
- Provide northbound right-turn overlap signal phase
- Traffic signal modification

Note: See sheet 2 for Pacific Coast Highway Improvements

Posted Speed Limits:
 Crenshaw Blvd: 45 mph
 Pacific Coast Hwy: 45 mph



Required Changes:

- 1 - Remove Existing Median (±110 square feet)
- 2 - Relocate Existing Luminaire (4)
- 3 - Reconstruct Existing Catch Basin (3)
- 4 - Relocate Existing Fire Hydrant (2)
- 5 - Relocate Existing Utility Pull Box (4)
- 6 - Relocate Existing Water Valve (2)
- 7 - Relocate Existing Utility Vent (4)
- 8 - Resurface Existing SCE Vault (1)
- 9 - Reconstruct Existing Drainage Culvert
- 10 - Remove Existing Trees (7)

Required Changes:

- 11 - Proposed Sidewalk (±9,500 square feet)
- 12 - Roadway Widening (±5,500 square feet)
- 13 - Remove Existing Signal Indications on Median Islands
- 14 - Install 5-Section Vehicle Indication
- 15 - Building Reconstruction

Legend:

- Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- Existing Right-of-Way
- Proposed Right-of-Way
- Roadway Area
- Roadway Widening
- Proposed Sidewalk Area
- xx' Existing Lane Width
- yy' Proposed Lane Width

Conceptual Plan
 Sheet 1 of 2

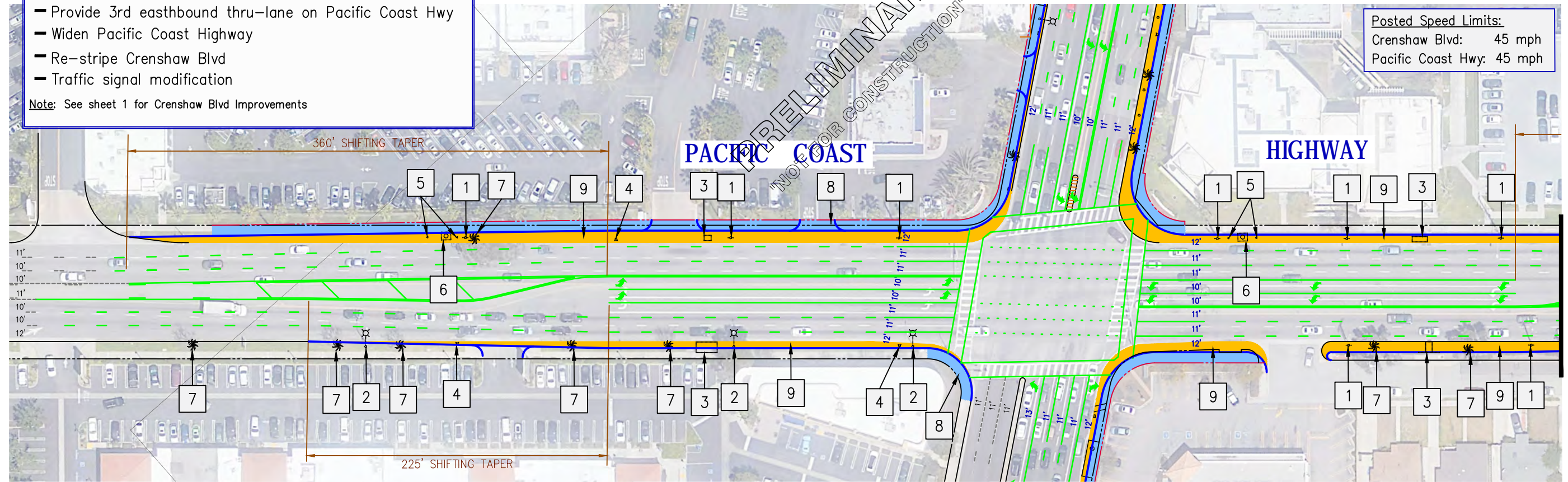


Recommended Improvements:

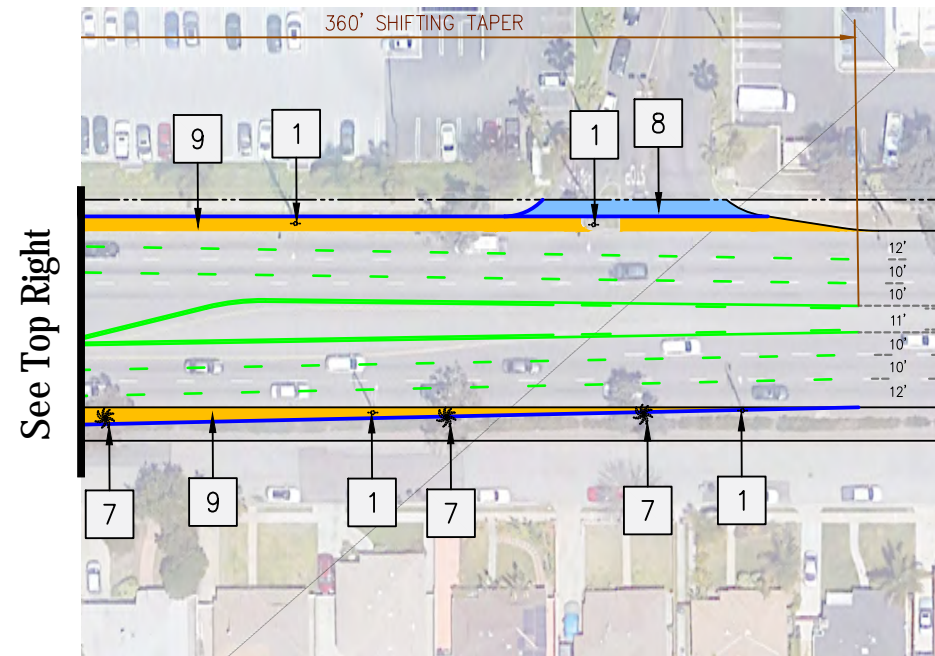
- Provide 3rd eastbound thru-lane on Pacific Coast Hwy
- Widen Pacific Coast Highway
- Re-stripe Crenshaw Blvd
- Traffic signal modification

Note: See sheet 1 for Crenshaw Blvd Improvements

Posted Speed Limits:
Crenshaw Blvd: 45 mph
Pacific Coast Hwy: 45 mph



See Bottom Left



See Top Right

Required Changes:

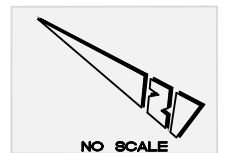
- 1 - Relocate Existing Power Pole (11)
- 2 - Relocate Existing Luminaire (3)
- 3 - Reconstruct Existing Catch Basin (4)
- 4 - Relocate Existing Fire Hydrant (3)
- 5 - Relocate Existing Utility Vent (4)
- 6 - Resurface Existing SCE Vault (2)
- 7 - Remove Existing Trees (11)
- 8 - Proposed Sidewalk (±10,500 square feet)
- 9 - Roadway Widening (±15,500 square feet)

Legend:

- Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- Existing Right-of-Way
- Proposed Right-of-Way
- Roadway Area
- Roadway Widening
- Proposed Sidewalk Area
- xx' Existing Lane Width
- yy' Proposed Lane Width

Conceptual Plan

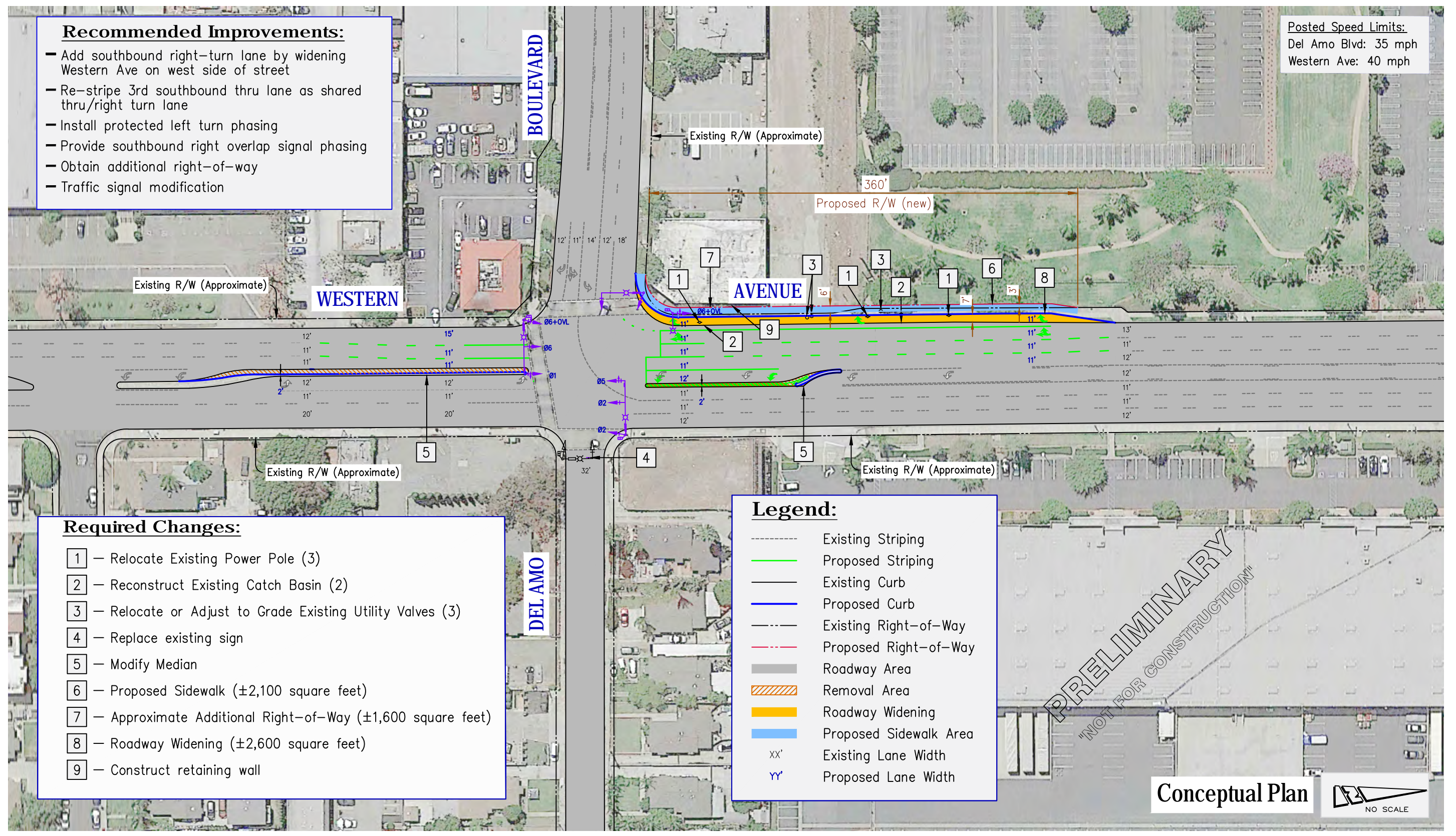
Sheet 2 of 2



Posted Speed Limits:
 Del Amo Blvd: 35 mph
 Western Ave: 40 mph

Recommended Improvements:

- Add southbound right-turn lane by widening Western Ave on west side of street
- Re-stripe 3rd southbound thru lane as shared thru/right turn lane
- Install protected left turn phasing
- Provide southbound right overlap signal phasing
- Obtain additional right-of-way
- Traffic signal modification



Required Changes:

- 1 - Relocate Existing Power Pole (3)
- 2 - Reconstruct Existing Catch Basin (2)
- 3 - Relocate or Adjust to Grade Existing Utility Valves (3)
- 4 - Replace existing sign
- 5 - Modify Median
- 6 - Proposed Sidewalk (±2,100 square feet)
- 7 - Approximate Additional Right-of-Way (±1,600 square feet)
- 8 - Roadway Widening (±2,600 square feet)
- 9 - Construct retaining wall

Legend:

- Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- Existing Right-of-Way
- Proposed Right-of-Way
- Roadway Area
- Removal Area
- Roadway Widening
- Proposed Sidewalk Area
- xx' Existing Lane Width
- yy' Proposed Lane Width

PRELIMINARY
 "NOT FOR CONSTRUCTION"

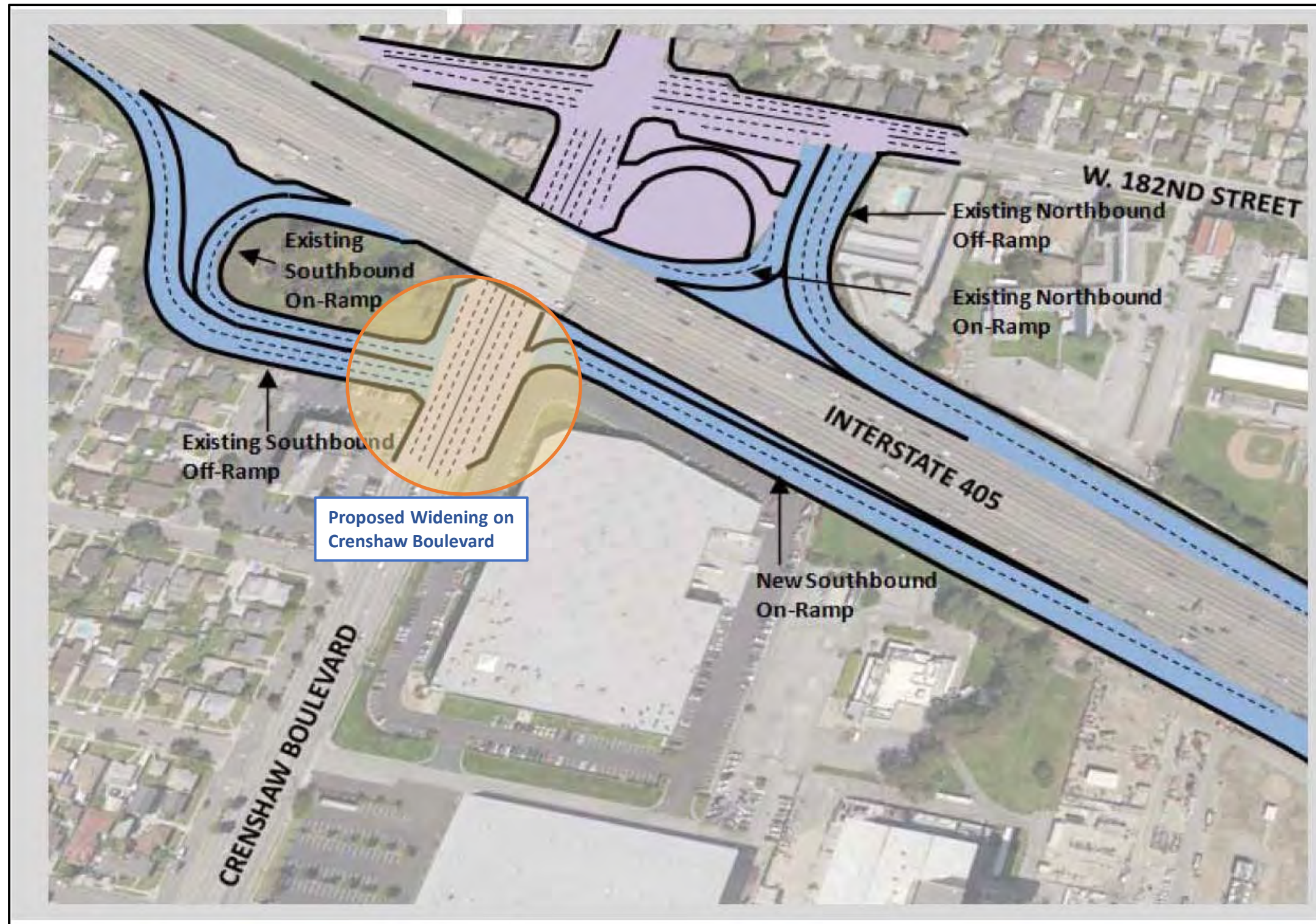
Conceptual Plan



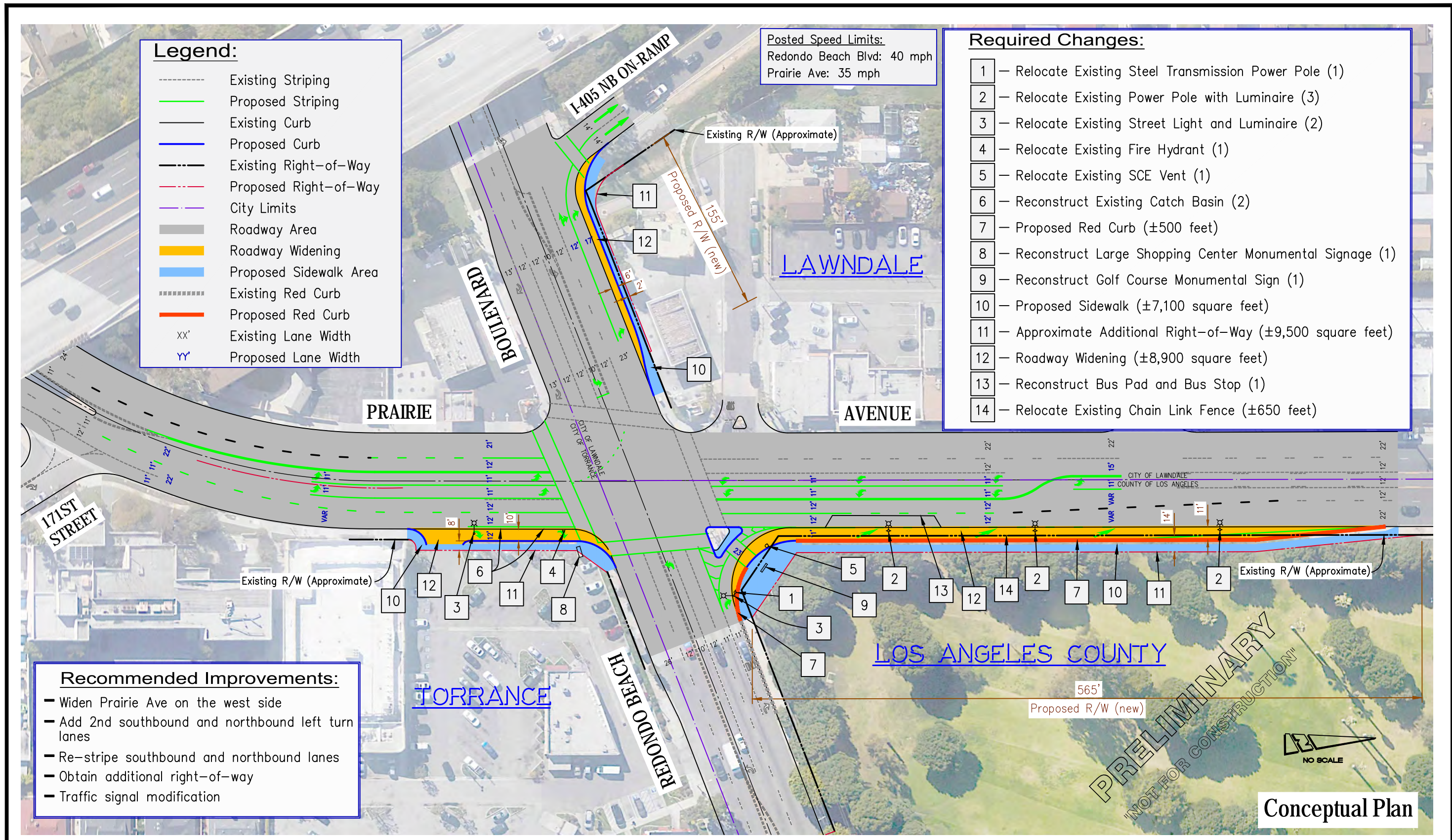
Torrance Citywide Traffic Analysis
 Recommended Improvements at Western Ave and Del Amo Blvd

Figure 7.13

Plan 7.14. Crenshaw Boulevard at I-405 SB Ramps – Proposed Improvements



Source: I-405 at Crenshaw Boulevard/182nd Street Interchange Improvement Project Study, Alternative 1



- Legend:**
- Existing Striping
 - Proposed Striping
 - Existing Curb
 - Proposed Curb
 - Existing Right-of-Way
 - Proposed Right-of-Way
 - City Limits
 - Roadway Area
 - Roadway Widening
 - Proposed Sidewalk Area
 - Existing Red Curb
 - Proposed Red Curb
 - xx' Existing Lane Width
 - yy' Proposed Lane Width

Posted Speed Limits:
 Redondo Beach Blvd: 40 mph
 Prairie Ave: 35 mph

- Required Changes:**
- 1 - Relocate Existing Steel Transmission Power Pole (1)
 - 2 - Relocate Existing Power Pole with Luminaire (3)
 - 3 - Relocate Existing Street Light and Luminaire (2)
 - 4 - Relocate Existing Fire Hydrant (1)
 - 5 - Relocate Existing SCE Vent (1)
 - 6 - Reconstruct Existing Catch Basin (2)
 - 7 - Proposed Red Curb (±500 feet)
 - 8 - Reconstruct Large Shopping Center Monumental Signage (1)
 - 9 - Reconstruct Golf Course Monumental Sign (1)
 - 10 - Proposed Sidewalk (±7,100 square feet)
 - 11 - Approximate Additional Right-of-Way (±9,500 square feet)
 - 12 - Roadway Widening (±8,900 square feet)
 - 13 - Reconstruct Bus Pad and Bus Stop (1)
 - 14 - Relocate Existing Chain Link Fence (±650 feet)

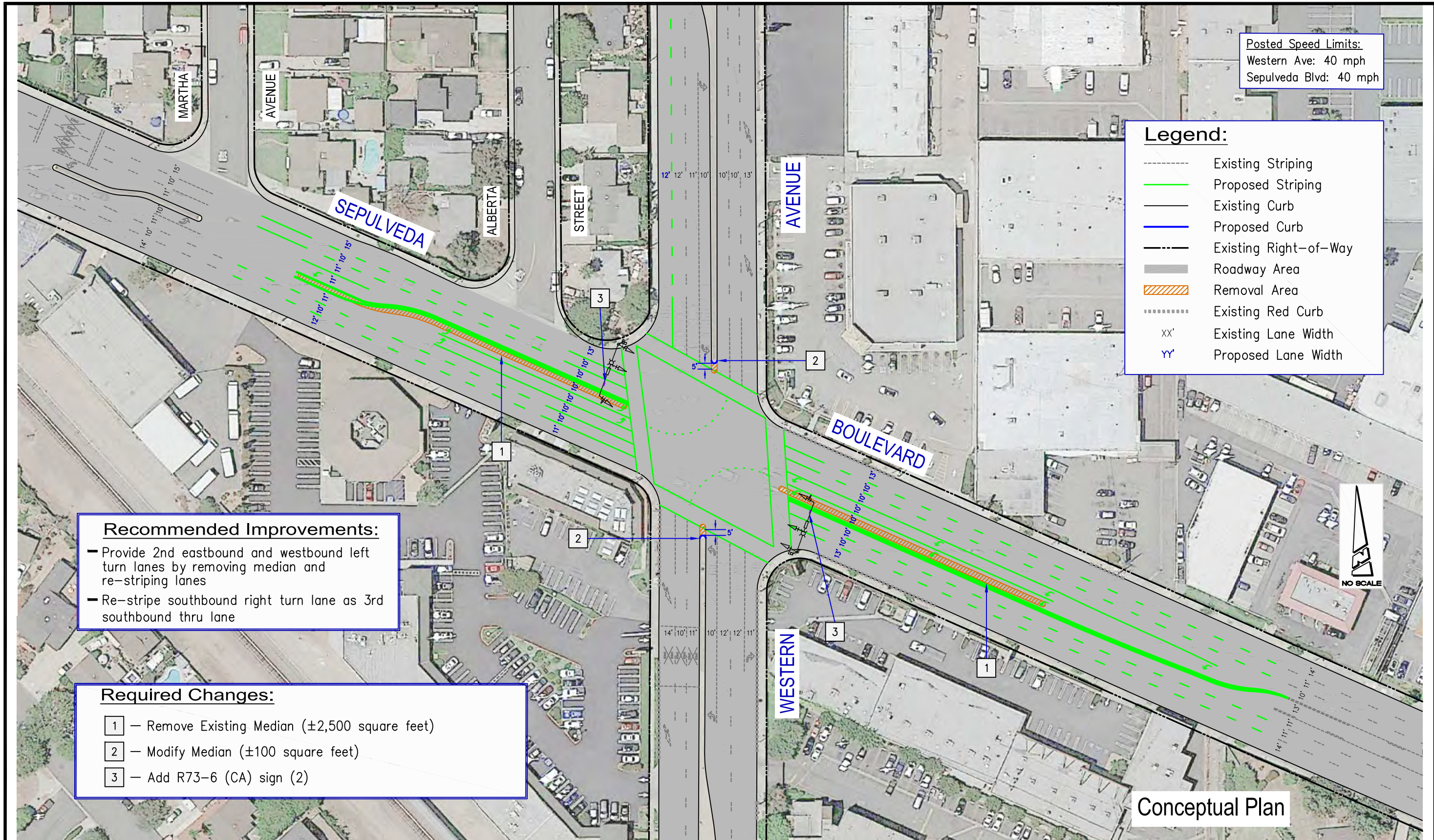
- Recommended Improvements:**
- Widen Prairie Ave on the west side
 - Add 2nd southbound and northbound left turn lanes
 - Re-stripe southbound and northbound lanes
 - Obtain additional right-of-way
 - Traffic signal modification



Torrance Citywide Traffic Analysis
 Recommended Improvements at Redondo Beach Blvd and Prairie Ave

Conceptual Plan

Figure 7.15



Posted Speed Limits:
 Western Ave: 40 mph
 Sepulveda Blvd: 40 mph

Legend:

- Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- Existing Right-of-Way
- Roadway Area
- Removal Area
- Existing Red Curb
- xx' Existing Lane Width
- yy' Proposed Lane Width

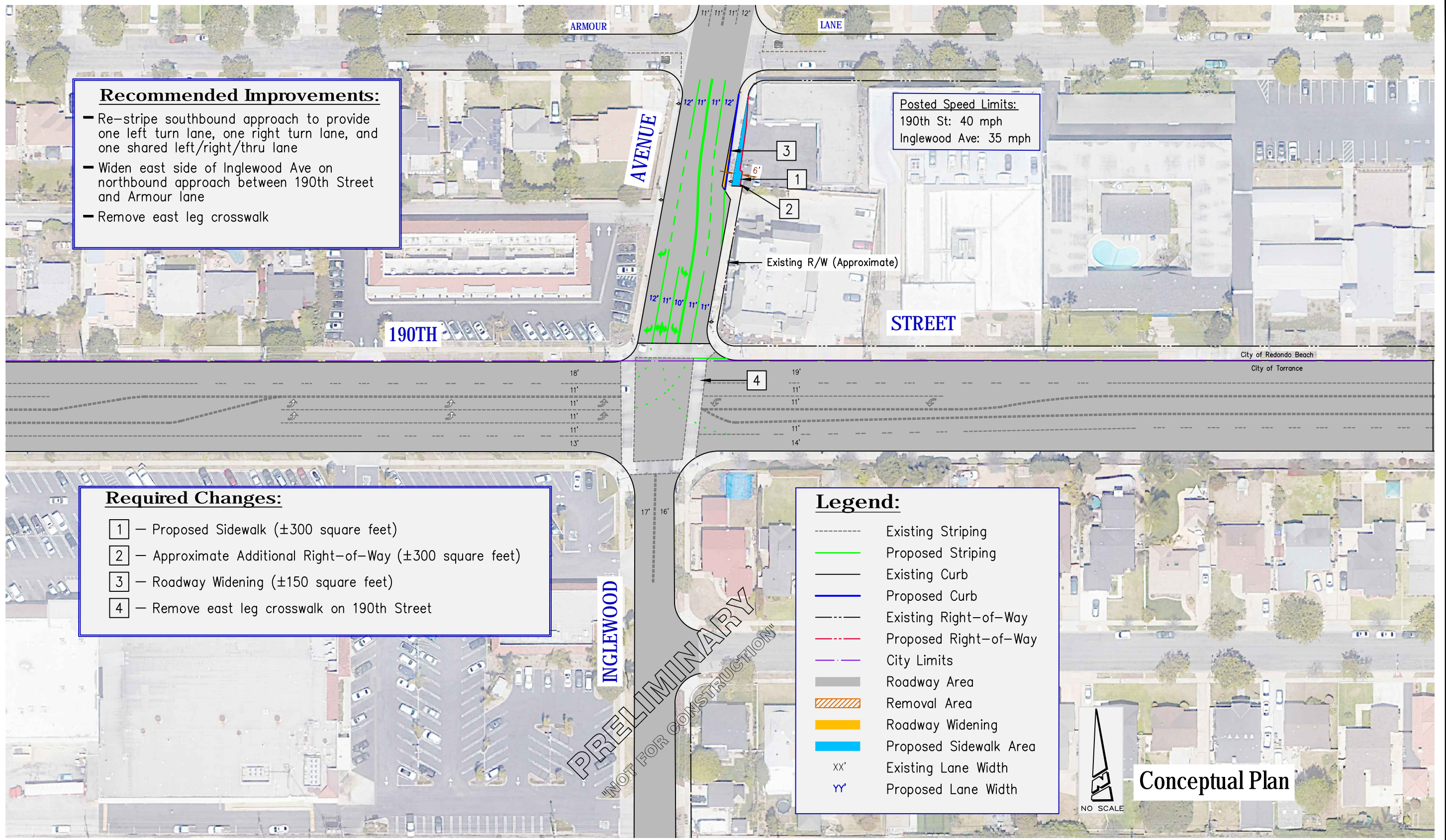
Recommended Improvements:

- Provide 2nd eastbound and westbound left turn lanes by removing median and re-striping lanes
- Re-stripe southbound right turn lane as 3rd southbound thru lane

Required Changes:

- 1 - Remove Existing Median (±2,500 square feet)
- 2 - Modify Median (±100 square feet)
- 3 - Add R73-6 (CA) sign (2)

Conceptual Plan



Recommended Improvements:

- Re-stripe southbound approach to provide one left turn lane, one right turn lane, and one shared left/right/thru lane
- Widen east side of Inglewood Ave on northbound approach between 190th Street and Armour lane
- Remove east leg crosswalk

Posted Speed Limits:
 190th St: 40 mph
 Inglewood Ave: 35 mph

Required Changes:

- 1 - Proposed Sidewalk (±300 square feet)
- 2 - Approximate Additional Right-of-Way (±300 square feet)
- 3 - Roadway Widening (±150 square feet)
- 4 - Remove east leg crosswalk on 190th Street

Legend:

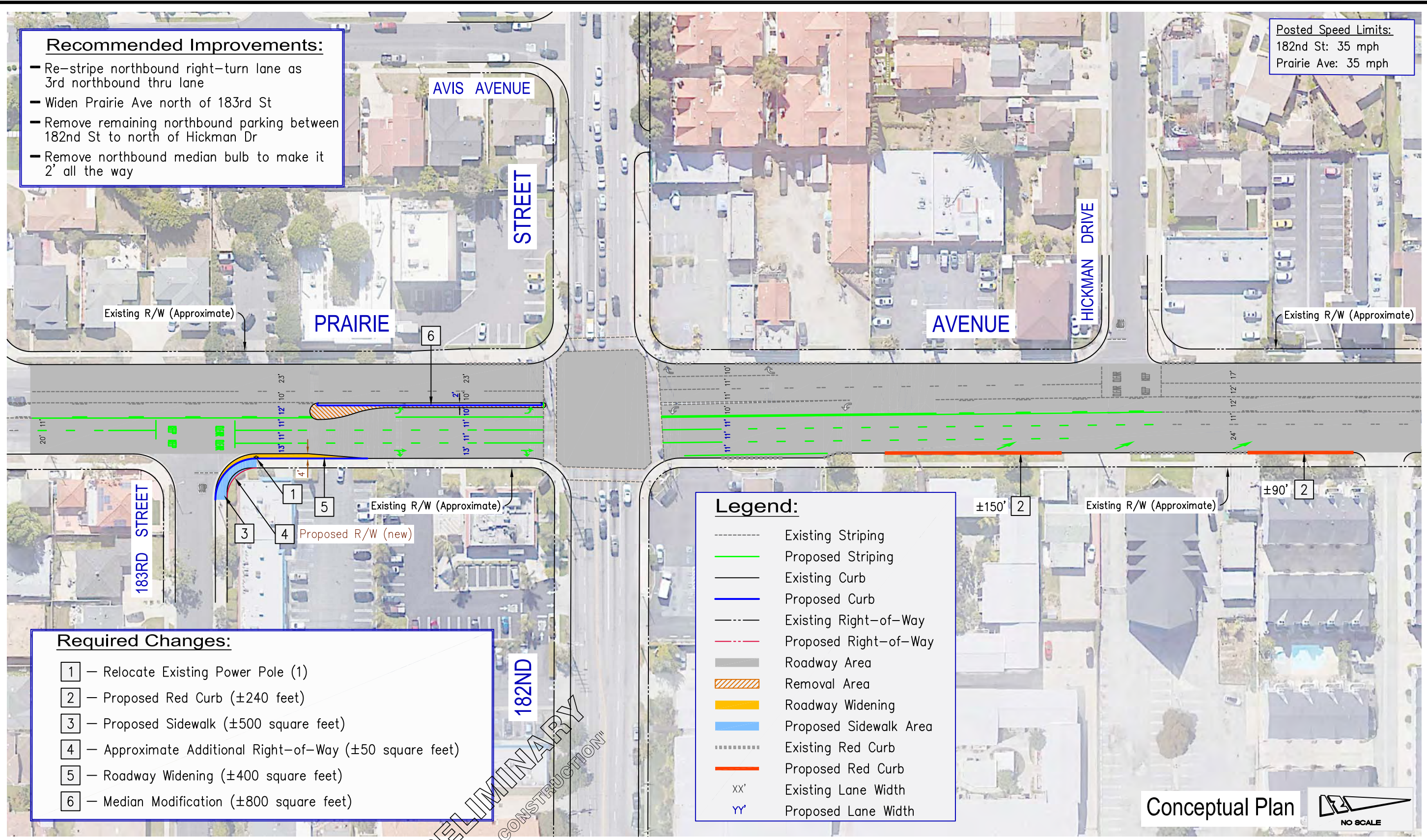
- Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- Existing Right-of-Way
- Proposed Right-of-Way
- City Limits
- Roadway Area
- Removal Area
- Roadway Widening
- Proposed Sidewalk Area
- xx' Existing Lane Width
- yy' Proposed Lane Width

Conceptual Plan
 NO SCALE

Recommended Improvements:

- Re-stripe northbound right-turn lane as 3rd northbound thru lane
- Widen Prairie Ave north of 183rd St
- Remove remaining northbound parking between 182nd St to north of Hickman Dr
- Remove northbound median bulb to make it 2' all the way

Posted Speed Limits:
182nd St: 35 mph
Prairie Ave: 35 mph



Required Changes:

- 1 - Relocate Existing Power Pole (1)
- 2 - Proposed Red Curb (±240 feet)
- 3 - Proposed Sidewalk (±500 square feet)
- 4 - Approximate Additional Right-of-Way (±50 square feet)
- 5 - Roadway Widening (±400 square feet)
- 6 - Median Modification (±800 square feet)

Legend:

- Existing Striping
- Proposed Striping
- Existing Curb
- Proposed Curb
- Existing Right-of-Way
- Proposed Right-of-Way
- Roadway Area
- Removal Area
- Roadway Widening
- Proposed Sidewalk Area
- Existing Red Curb
- Proposed Red Curb
- xx' Existing Lane Width
- yy' Proposed Lane Width

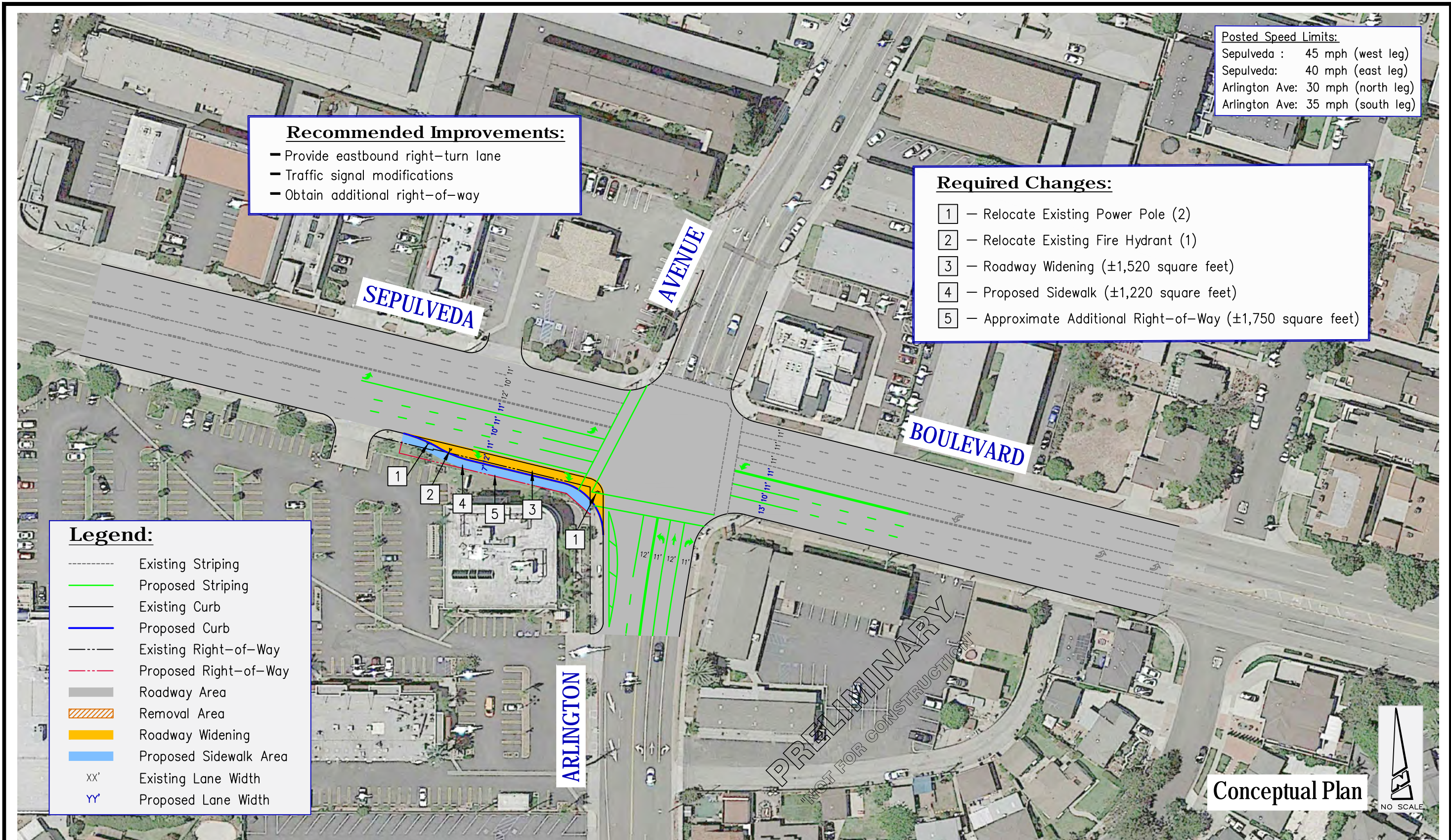
Conceptual Plan
NO SCALE

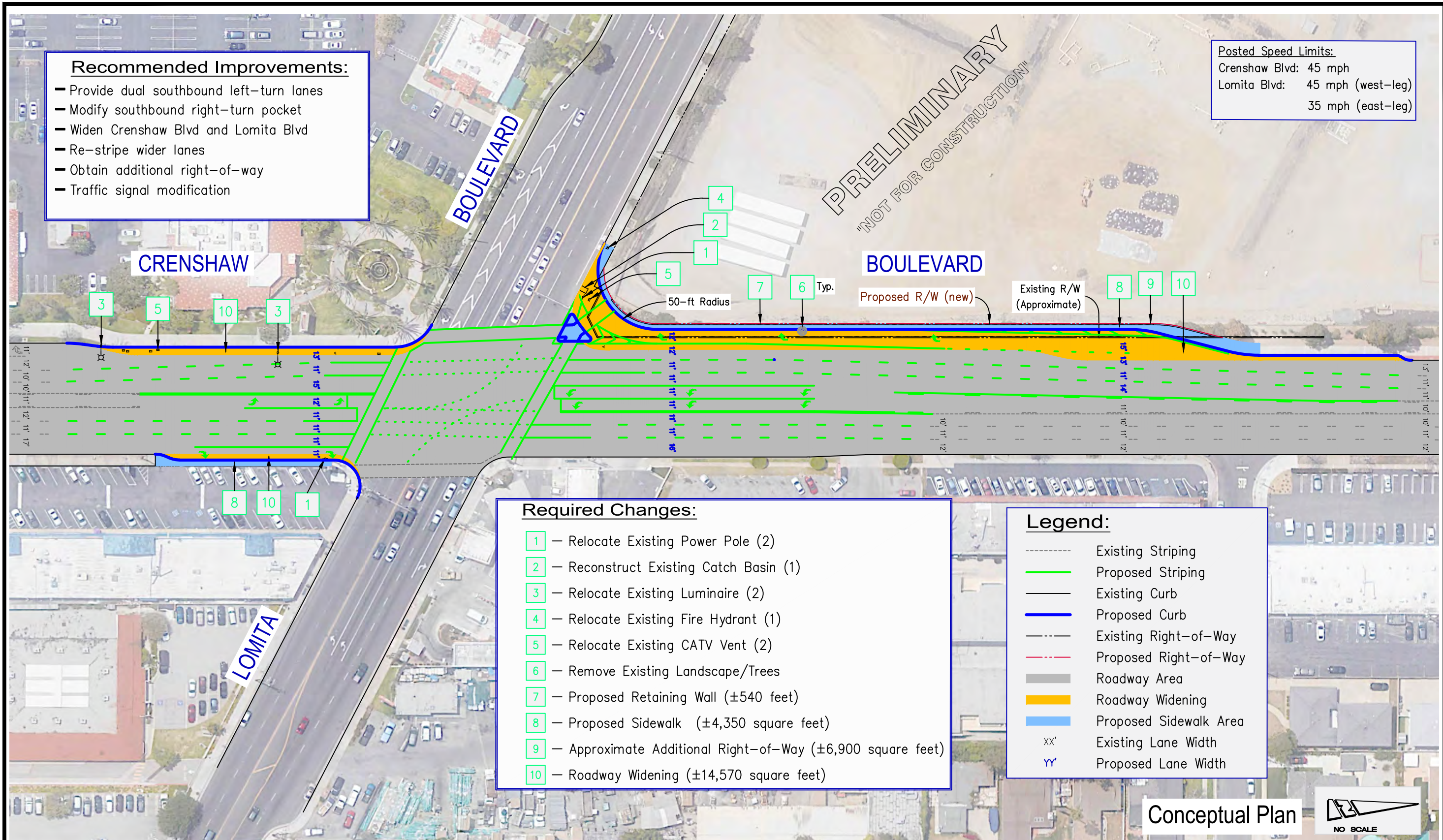


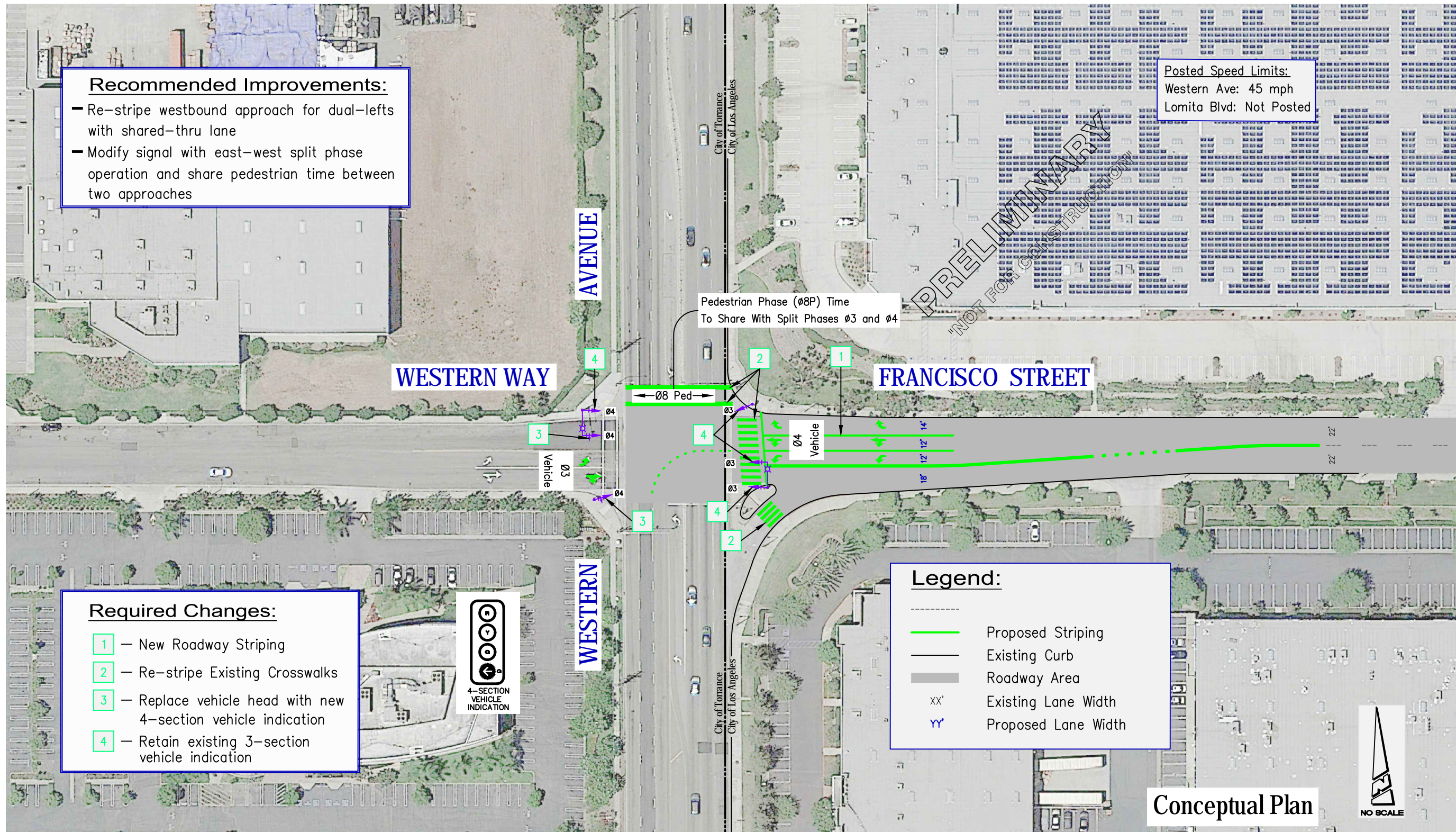
PRELIMINARY
"NOT FOR CONSTRUCTION"

Torrance Citywide Traffic Analysis
Recommended Improvements at Prairie Ave and 182nd St

Figure 7.18







Recommended Improvements:

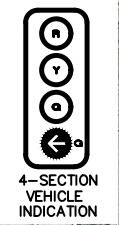
- Re-stripe westbound approach for dual-lefts with shared-thru lane
- Modify signal with east-west split phase operation and share pedestrian time between two approaches

Posted Speed Limits:
 Western Ave: 45 mph
 Lomita Blvd: Not Posted

Pedestrian Phase (Ø8P) Time
 To Share With Split Phases Ø3 and Ø4

Required Changes:

- New Roadway Striping
- Re-stripe Existing Crosswalks
- Replace vehicle head with new 4-section vehicle indication
- Retain existing 3-section vehicle indication

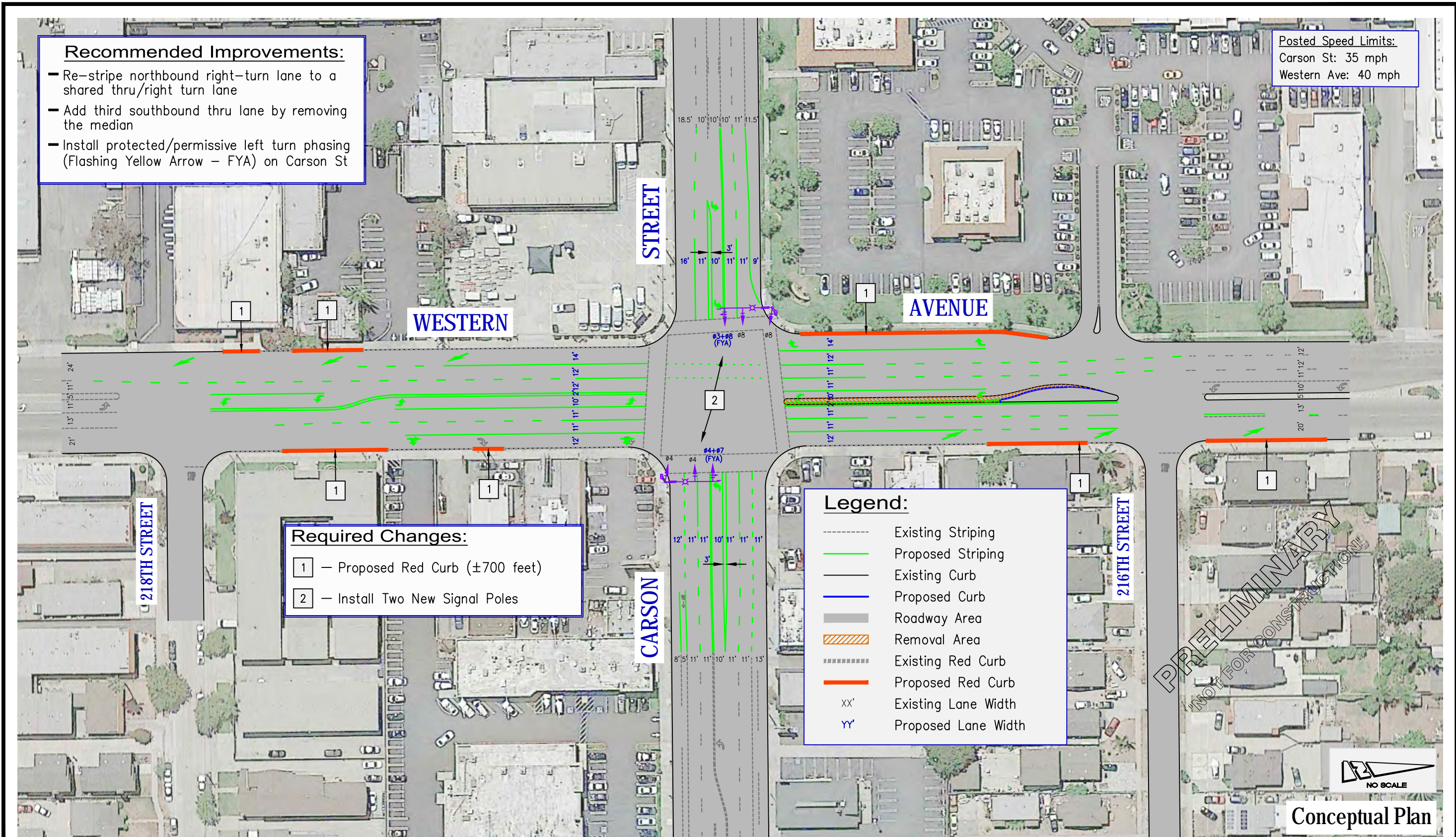


Legend:

- Proposed Striping
- Existing Curb
- Roadway Area
- XX' Existing Lane Width
- YY' Proposed Lane Width

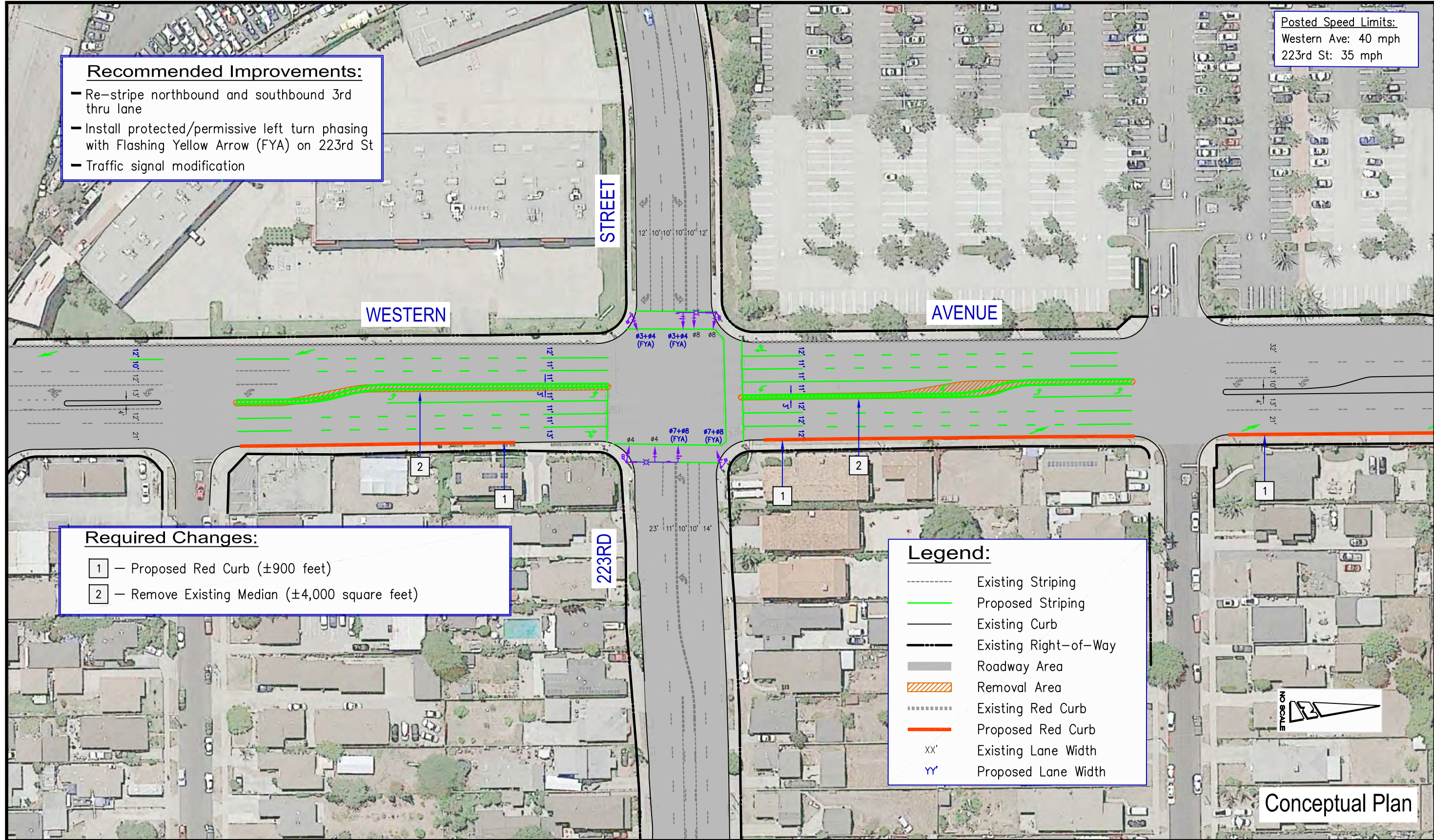
Conceptual Plan





Posted Speed Limits:
 Western Ave: 40 mph
 223rd St: 35 mph

- Recommended Improvements:**
- Re-stripe northbound and southbound 3rd thru lane
 - Install protected/permissive left turn phasing with Flashing Yellow Arrow (FYA) on 223rd St
 - Traffic signal modification



- Required Changes:**
- 1 - Proposed Red Curb (±900 feet)
 - 2 - Remove Existing Median (±4,000 square feet)

- Legend:**
- Existing Striping
 - Proposed Striping
 - Existing Curb
 - Existing Right-of-Way
 - Roadway Area
 - ▨ Removal Area
 - Existing Red Curb
 - Proposed Red Curb
 - XX' Existing Lane Width
 - YY' Proposed Lane Width

Conceptual Plan



Torrance Citywide Traffic Analysis
 Recommended Improvements at Western Ave at 223rd St

Figure 7.23