



City of Oakland, Bicyclist & Pedestrian Advisory Commission
Minutes from the January 21, 2016 meeting
City Hall, Hearing Room 2

Meeting agenda at <http://www2.oaklandnet.com/oak050731>

Meeting called to order at 6:07pm by BPAC Chair, Christopher Kidd.

Item 1. Roll Call/Determination of Quorum/Introductions

At roll call, quorum was established with all Commissioners present except McWilliams (excused). Introductions were made.

- Other attendees (who signed in): Dave Campbell, Dianne Yee, Kit Vaq, Wes Nelson, Melissa Nelson, Matt Bomberg, Rob Rees (Fehr & Peers), Mitra Moheb (AC Transit), Robert Fearman, Carol Levine, Tom Willging, Jesse Rosemoore, Phoenix Mangrum, Amanda Leahy, Kent Lewandowski
- Staff: Jason Patton, Jennifer Stanley, Iris Starr, Dana Riley, Gail McMillon, Bruce Williams

Item 2. Nominations/elections for BPAC Chair and Vice Chair

Nominations for Chair included one candidate, Ryan Chan. Ryan was elected unanimously. Nominations for Vice-Chair included one candidate, Rosa Villalobos. Rosa was elected unanimously.

Item 3. Approval of meeting minutes

- A motion to **adopt the Bicyclist & Pedestrian Advisory Commission meeting minutes from December 17, 2015** was made (Tabata), seconded (Villalobos), and passed unanimously. Adopted minutes online at www.oaklandbikes.info/BPAC. (See related note in Item 4.)

Item 4. Open Forum / Public Comment

- Kit Vaq with ACCE Action, RTJ suggested two corrections to the December minutes (which were approved and adopted). Ms Vaq also asked when the item brought to Open Forum last month (bus stop relocation on Broadway at 30th St) could be added to the agenda. New Chair Ryan Chan said that the process might change with the new officers elected today, and deferred discussion of this item until the agenda setting item at the end of the meeting.
- Wes Nelson said his wife was hit while biking at Embarcadero @ 5th St, while walking across Embarcadero. Jason Patton, OPW Bicycle & Pedestrian Program Manager, explained that this intersection is in interim condition due to the Brooklyn Basin project. The City has upgraded the contractor's traffic control plan, and the development project will, eventually, install a signal. Mr. Nelson observed that the barriers used, in their current configuration, limit visibility and that delineators be used instead. Jason told Mr. Nelson to contact him directly.

Item 5. AC Transit Bus Rapid Transit (BRT) Project, Bike/Ped Elements → see attached PowerPoint presentation.

Rob Rees consultant with Fehr & Peers, presented some design details of the AC Transit BRT project. Mr. Rees highlighted the following:

- Bike parking racks will be installed on the buses, on station platforms, and nearby.

- Bike lanes will be striped on 11th St, E 12th St, and on parts of International Blvd. 11th St bike lanes, not in Oakland's Bicycle Master Plan, are included to take advantage of available roadway width, and will be installed on the left side of the street.
- International Blvd is a Caltrans state highway. Transition from Int'l to E 12th St via 54th Ave design details include a widened ramp and both button and video actuation.
- Bike lanes will be dropped approaching 73rd Ave due to the Environmental Impact Report.
- Construction sequencing is designed to avoid continuous impact on specific neighborhoods and will allow flexibility to test interim configurations that could, potentially, be made permanent.
- There will be green backed sharrows on E 12th St across some intersections.
- At some locations on International Blvd, continuous bike lanes are not possible.
- New traffic signals will be added in the Eastlake and Elmhurst neighborhoods.

Summary of comments/responses:

- If, based on the construction sequencing interim condition analysis, continuous bike lanes (at 73rd Ave, for example) could be maintained, AC Transit would need to amend the EIR (even with recent/upcoming changes to CEQA).
- Bike lane widths vary due to varying curb to curb width.
- The bike lanes on 11th St change are reflected in the Downtown Plan.
- Allowing bikes on sidewalks instead of installing sharrows aren't feasible due to the narrow sidewalk widths (10' on 73rd Ave, for example).
- The only changes on Broadway are the installation of station platforms.
- The on-bus bike racks will be vertical and need to fit into the designated area on the buses which have been ordered. VTA buses have slightly angled racks which should be considered.
- No bike e-lockers are planned currently. Send location suggestions to bikeped@oaklandnet.com.

Speakers, other than commissioners: Dave Campbell, Dianne Yee, Carol Levine.

Item 6. Oakland Parks and Recreation's proposed revisions to OMC 12.60.070 Bicycle Operation Rules

Gail McMillon and Dana Riley described a current project to update the Oakland Municipal Code (OMC) on issues pertaining to Oakland Parks & Recreation. Results from outreach on an effort to address OMC 12.60.070 indicated support for kids bicycling in parks, such as the establishment of slow or family riding zones. OPR's Council report is scheduled in March, and thus the bicycling section may need to wait for another update. Jason Patton noted that the 2017 Bicycle Master Plan will also review relevant OMC sections and that the controversy about bicycling on trails in Joaquin Miller Park may be outside of BPAC purview. Bike paths are different, and Jason recommended that OPR should avoid limitations, while encouraging cyclists to behave well.

Summary of comments/responses:

- Rules pertaining to electric/pedal assist bikes would be addressed in the definitions section. Items covered in the state code don't need to be added to City code.
- Special zones could be identified via signage. Identifying named trails in the Ordinance should be avoided as changes to trail names (or other factors) would necessitate another Ordinance.
- Clarify that prohibitions are for trails only, and not roads.
- 15 mph is too fast for 8' wide trails.
- Signs should be clear so people don't get tickets.
- Consider pavement markings (rather than signs) such as those used in Emeryville.
- All paved 8' trails should be legal.
- Excluding Joaquin Miller Park simplifies the task.

- Motion (Wheeler): **create a BPAC committee on bicycle related municipal code changes as identified by committee members.** Prinz seconds. All in favor. Wheeler to chair. Prinz and Tabata volunteer.

Speakers, other than commissioners: Carol Levine, Kent Lewandowski.

Item 7. Strategic Growth Council: Affordable Housing and Sustainable Communities Grants —> see attached PowerPoint presentation.

Bruce Williams, Senior Transportation Planner, described the types of projects and programs and funding criteria for this new funding source. The call for projects is in late January.

Summary of comments/responses:

- Projects must have environmental clearance in place by June 2016, but need not be completely designed.
 - Projects not directly between housing and access to a transit stop may be eligible but may not score as well as applications with stronger housing-transit connections.
 - This should have been an information (vs action) item as listed on the agenda. Ryan will discuss the action/informational item distinction with Iris Starr for clarity on future agendas.
- A motion to **extend the meeting by 15 minutes** was made (Chan), seconded (Wheeler), and passed unanimously.

Item 8. Ordinance Creating New Department of Transportation & Infrastructure

Iris Starr, Transportation Planning & Funding Division Manager, explained that the Ordinance to create a new City Department of Transportation & Infrastructure (DTI) on the agenda of the City Council Public Works Committee on January 26 at 11am, does three things: (1) creates DTI director position; (2) renames previously created Department of Transportation to DTI; and (3) defers allocation of funding to the mid-cycle budget in June. The City Administrator's report provided two options for consideration by Council. Option A would create a small DOT w/ transportation functions only, leaving the rest of Public Works (OPW) intact. Option B (recommended) would move more functions into a new DTI. Report Attachments A and C illustrate the change between the current condition and Option B. The report states that the change would require nine new administrative staff and four new civil engineer positions at a total cost of \$2.7 million, and that grant funding will be needed to fully fund the proposal.

Summary of discussion:

- It was not clear why the Sewer and Watershed programs should be grouped with transportation
- The City of San Jose DOT is a good example.
- The four new Civil Engineers are intended to support paving program.
- The proposal includes no new transportation staff positions.
- The Budget released in July included positions and an organizational structure that are not included in the City Administrator's recommendation.

Speakers, other than commissioners: Dave Campbell, Kent Lewandowski.

Item 9. Three month look-ahead, suggestions for meeting topics, announcements

Three-month look ahead/suggestions for meeting topics

- Add 30th St/Broadway bus stop.

- Add new CEQA guidelines impact on future work.
- Add a standing item that includes motions, summary of recent actions. Jennifer Stanley agreed to add a section in monthly agendas that includes a summary plus report backs from committees.
- Follow up on 5th St/Embarcadero (per today's Open Forum).
- A motion was made (Tabata) to ***create a committee to decide how to respond to Open Forum public comments and return to the Commission with a recommendation in March***. Seconded (Kidd). Passed with all in favor. Kidd, Tabata, and Villalobos agreed to form the committee.

Announcements

- There are three upcoming public meetings on Bike Share.

Meeting adjourned at 8:26p.

Attachments

- BRT presentation
- AHSC presentation

Minutes recorded by Jennifer Stanley, City of Oakland Bicycle & Pedestrian Facilities Coordinator, emailed to meeting attendees for review on January 29, 2016, with comments requested by 5pm, Monday, February 1 to jstanley@oaklandnet.com. Revised minutes were attached to the February 2016 meeting agenda and adopted at that meeting.

EAST BAY BRT – BPAC MEETING

**Oakland Bicycle and Pedestrian Advisory Committee
Oakland City Hall, Hearing Room 2
Oakland CA**

January 21, 2016



DISCUSSION TOPICS

- I. Background**
- II. Bike Treatments at Stations and on Buses**
- III. Bike Facilities along the Corridor**



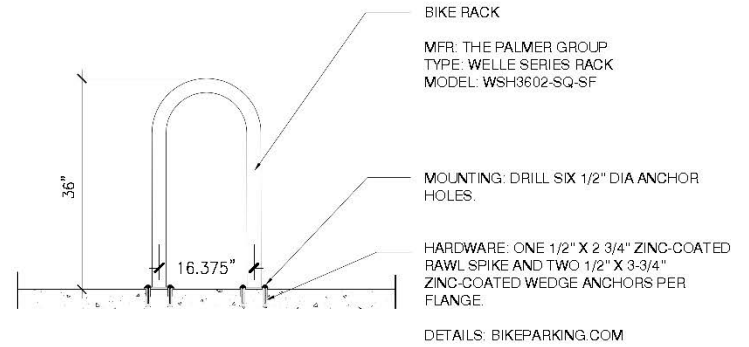
BACKGROUND

- I. Retained in late 2013**
- II. Support Design Development Process**
- III. Working on behalf of and directed by the City of Oakland**

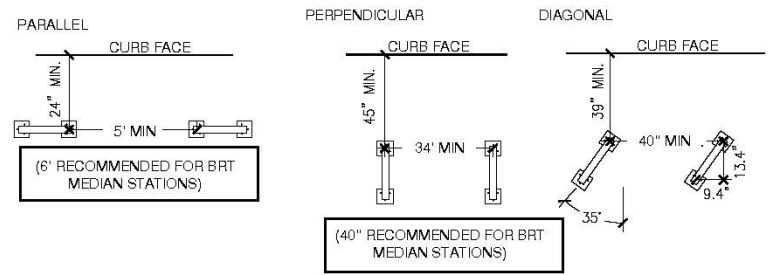


Bike Treatments

- I. **Bike Racks (3) on BRT Buses**
- II. **Inverted U Bike Racks nearby Stations (locations to be determined)**



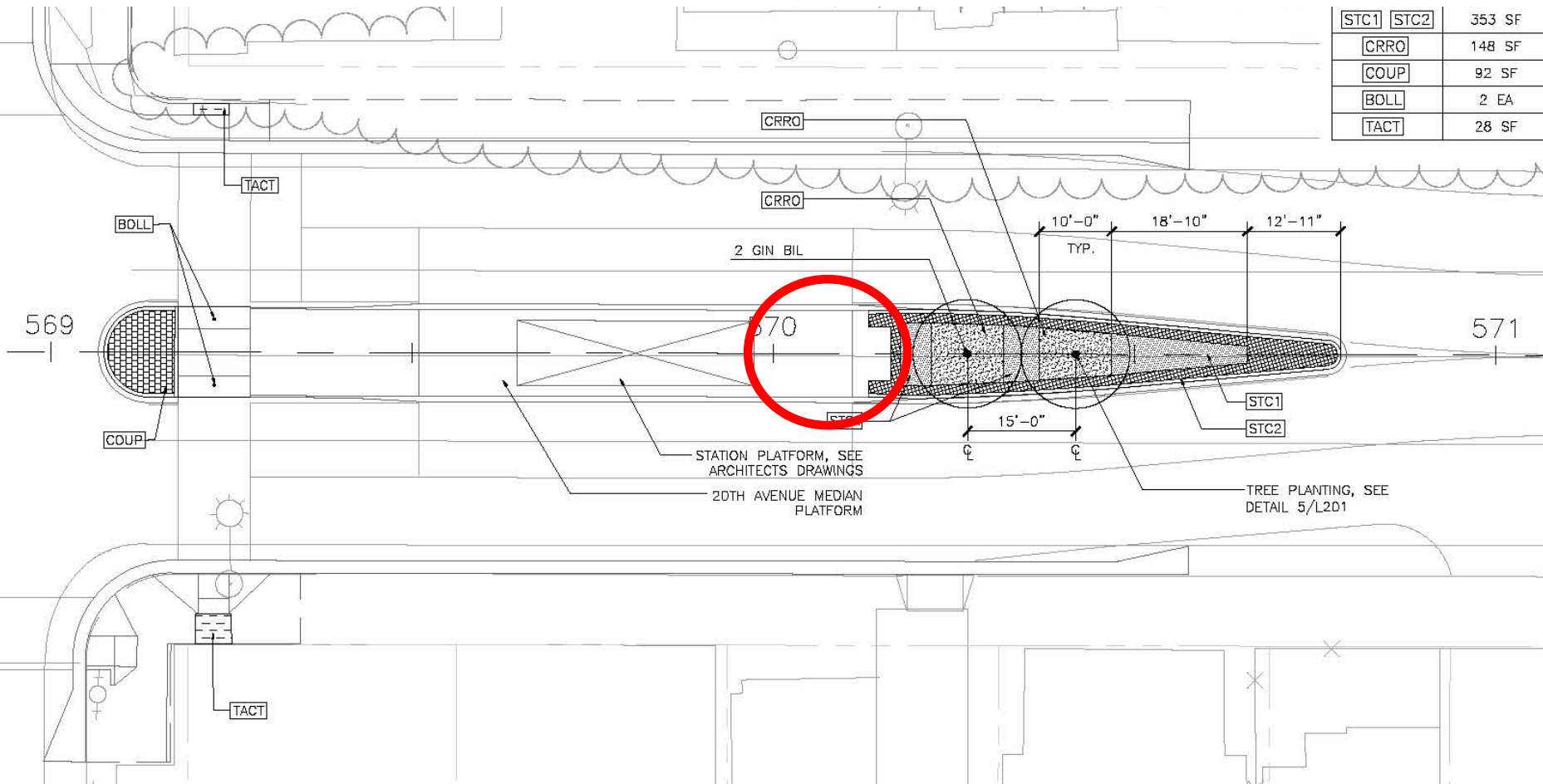
TYPICAL CONFIGURATIONS (AS ORIENTED TO CURB FACE)



Bike Treatments at Stations

I. Bike Racks at Stations

- I. 2 Inverted U Bike Racks (at median stations)
- II. 1 Inverted U Bike Rack at (curbside stations)



BIKE FACILITIES ALONG BRT CORRIDOR

I. Class II Bike Lanes

I. 11th Street – Broadway to Oak Street

II. East 12th Street – Lake Merritt through 14th Avenue

III. International Boulevard - 54th Avenue to 85th Avenue

IV. International Boulevard – 104th Avenue to 105th Avenue



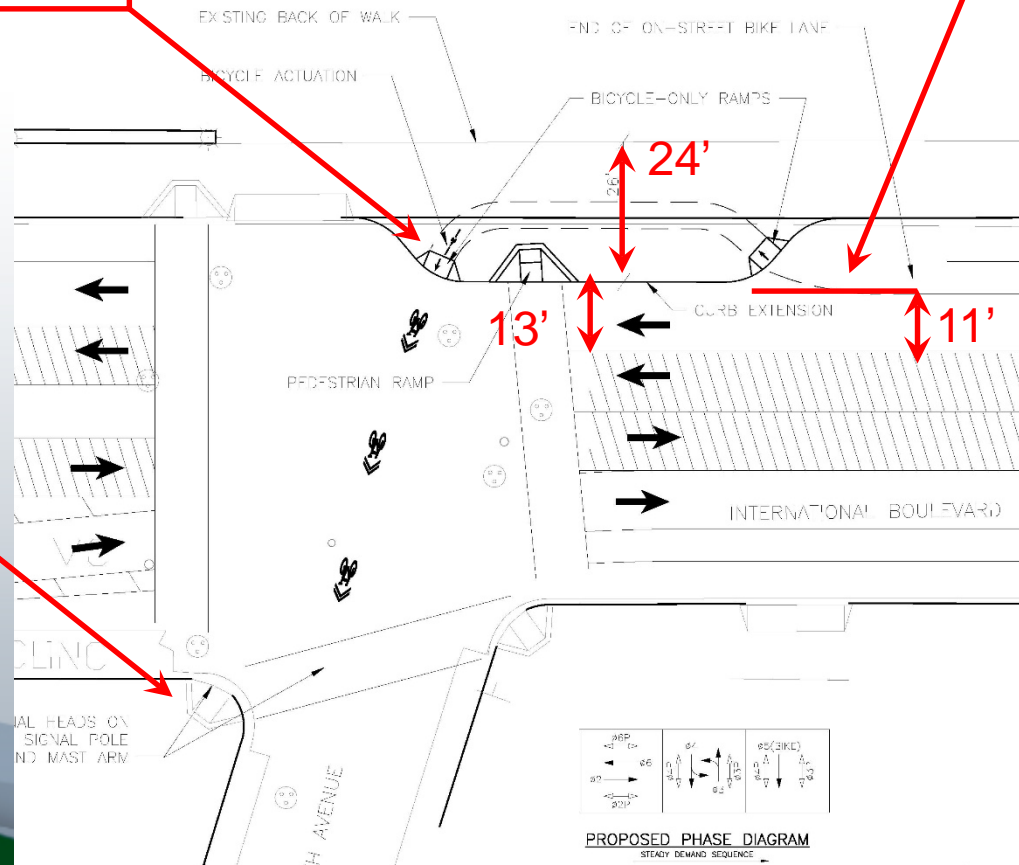
54TH AVENUE AT INTERNATIONAL

I. Raised curb extension with bike ramps and path of travel on sidewalk to bike detection zone.

Bicycle actuation at bike ramp
– button and camera –

End on-street bike lane, direct
bike riders to bike ramp

Bicycle signal
indications



GENERAL NOTES

- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE 2014 EDITION OF THE CALIFORNIA MUTCD MANUAL.
- ALL PAVEMENT DELINEATION DETAILS, MARKERS AND MARKINGS SHALL CONFORM TO THE 2010 EDITION OF THE CALTRANS STANDARD PLANS AND SPECIFICATIONS, AND THE LATEST REVISED STANDARD PLANS (RSP). SEE A20A, A20B, A20D, A24B, A24D, RSP A20C, RSP A24A, RSP A24C, RSP A24E AND RSP A24F.
- SEE LAYOUTS AND CONSTRUCTION DETAILS FOR PAVEMENT TYPES, CURB BULB DETAILS, AND ADA RAMP.
- ALL PERMANENT PAVEMENT MARKINGS (ARROWS, LANE LINES, CROSSWALKS, ETC.) SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.
- ALL PERMANENT SIGNS ARE TO BE RETROREFLECTIVE, UNLESS OTHERWISE NOTED.
- ALL NEW MEDIAN CURB NOSES SHALL BE PAINTED YELLOW WITH TYPE K-1(CA) OBJECT MARKER.
- ALL CROSSWALKS WITHIN AN INTERSECTION SHALL BE OF SAME COLOR.
- AT ALL INTERSECTIONS, WITHIN CITY OF OAKLAND RIGHT OF WAY, RED PAINT SHOULD BE APPLIED TO THE CURB APPROX 20' FOR THE APPROACH AND 10' FOR THE DEPARTURE. WITH THE FOLLOWING EXCEPTIONS: ON ONE-WAY STREETS AND MEDIAN STREETS MINIMUM 3' OF RED CURB SHALL BE INSTALLED DOWNSTREAM OF THE DRIVEWAY. NO RED CURB IS REQUIRED FOR VACATED DRIVEWAYS AND RAMPS, CURB CUTS ON STORE FRONTS, FENCES, OR OTHER OBSTRUCTIONS, RENDERING THE CURB CUT UNUSABLE FOR VEHICLE ACCESS. A 6-FOOT CLEARANCE, MEASURED FROM THE CURB RETURN, SHOULD BE PROVIDED AT ALLEYS AND DRIVEWAYS.
- AT ALL UNSIGNALIZED INTERSECTIONS, WITHIN CALTRANS RIGHT OF WAY, RED PAINT SHOULD BE APPLIED TO THE CURB APPROX 20' FOR THE APPROACH AND 20' FOR THE DEPARTURE. AT ALL SIGNALIZED INTERSECTIONS, WITHIN CALTRANS RIGHT OF WAY, RED PAINT SHOULD BE APPLIED TO THE CURB APPROX 30' FOR THE APPROACH AND 20' FOR THE DEPARTURE. A 6-FOOT CLEARANCE, MEASURED FROM THE CURB RETURN, SHOULD BE PROVIDED AT ALLEYS AND DRIVEWAYS.
- WHERE NEW PARKING IS LOCATED ADJACENT TO EXISTING PAINTED CURB, ANY CONFLICTING PAINT SHALL BE REMOVED BY SANDBLASTING.
- FOR ALL SIGNS LOCATED IN LANDSCAPED MEDIANS, THE CONTRACTOR IS TO FIELD VERIFY THAT SIGN PLACEMENT DOES NOT CONFLICT WITH LANDSCAPED TREE CROWNS OR IRRIGATION.
- ALL CONFLICTING PAVEMENT MARKINGS SHALL BE PERMANENTLY REMOVED.
- EXTEND STRIPING ON SIDE STREETS FOR A MINIMUM OF 50', UNLESS OTHERWISE NOTED. WHERE APPLICABLE NEW PAVEMENT STRIPES SHALL CONFORM TO EXISTING.
- ALL ROADSIDE SIGNS SHALL BE FIELD VERIFIED BY THE ENGINEER PRIOR TO INSTALLATION.

CONSTRUCTION NOTES

- INSTALL 10' WIDE CROSSWALKS. CROSSWALK LINES SHALL BE 12" SOLID WHITE PER CITY OF OAKLAND STANDARD T-3. LIMIT LINES SHALL BE 12" SOLID WHITE, UNLESS OTHERWISE NOTED. WHERE LADDER CROSSWALKS ARE INDICATED, SEE CALTRANS STANDARD PLAN RSP A24F.
- INSTALL DIAGONAL LINES ALONG TRAFFIC ISLAND; 12" WHITE STRIPES PLACED @ 45° AND 10' O.C., UNLESS OTHERWISE NOTED. INSTALL CHEVRON LINES @ 10' O.C., WHERE APPLICABLE.
- INSTALL DIAGONAL LINES ALONG ROADWAY MEDIANS; 12" YELLOW STRIPES PLACED @ 45° AND 10' O.C., UNLESS OTHERWISE NOTED.
- INSTALL PARKING TEES FOR METEDED STALLS PER OAKLAND CITY STANDARD DRAWING T-7 AND "BIKE LANES FOR VARIOUS WIDTHS" DETAILS. INSTALL 7' FROM FACE OF CURB. END STALLS SHALL BE MINIMUM 18' AND MAXIMUM 20' LONG. INTERMEDIATE STALLS SHALL BE MINIMUM 20' AND MAXIMUM 22' LONG. FOR UNMETERED PARKING DETAIL 27B SHALL BE USED 8' FROM FACE OF CURB, WITH TAPER TO CURB AT EITHER END OF BLOCK FACE. SEE SHEET CS305.
- REMOVE AND SALVAGE R1-1 (STOP) SIGNS UPON ACTIVATION OF SIGNALS.
- REMOVE AND SALVAGE ROADSIDE SIGN.
- INSTALL GREEN BICYCLE LANE PER CITY OF OAKLAND STANDARDS G-1, G-2, G-3, AND G-4. WHERE INDICATED, INSTALL PREFORMED 4'X10' GREEN-BACKED SHARROWS THROUGH INTERSECTIONS.
- INSTALL PAVEMENT LEGEND AS SHOWN. SPECIFICATION FOR TEXT SHALL CONFORM TO CALTRANS STANDARD PLANS A24D AND RSP A24E.
- INSTALL 10' WIDE CROSSWALKS. CROSSWALK LINES SHALL BE 12" SOLID YELLOW PER CITY OF OAKLAND STANDARD T-3. WHERE YELLOW LADDER CROSSWALKS ARE INDICATED, SEE CALTRANS STANDARD PLAN RSP A24F.
- REMOVE SIGN PANEL(S) FROM EXIST ELECTROLIER OR POLE AND RELOCATE TO NEW SIGNAL POLE OR POST.
- INSTALL BLUE PAVEMENT MARKERS FOR ALL FIRE HYDRANT LOCATIONS. FOR LOCATIONS OF MARKER SEE PLAN LOCATIONS AND OFFSET 6" FROM LANE LINE. SEE CA MUTCD FIGURE 3B-102(CA) FOR EXAMPLE PLACEMENT.
- INSTALL TYPE K-1(CA) OBJECT MARKERS AT NOSE OF RAISED MEDIAN ISLAND. SEE CALTRANS STANDARD PLANS A73A FOR DETAILS.
- INSTALL BICYCLE LOOP DETECTOR SYMBOL PER CITY OF OAKLAND STANDARD PLAN X-1. SEE SHEET CS301.
- INSTALL 12" SOLID WHITE LIMIT LINE 10' BEFORE BRT CROSSWALKS.
- INSTALL YIELD LINE TRIANGLES PER CA MUTCD SECTION 3B.16, 20' BEFORE CROSSWALKS.
- INSTALL 12" SOLID WHITE BUS STOP LIMIT LINE.
- PROTECT IN PLACE LOCAL BUS STOP SIGN.
- REMOVE EXISTING LOCAL BUS STOP SIGN (BY OTHERS).
- RELOCATE EXISTING LOCAL BUS STOP SIGN (BY OTHERS).
- NEW LOCAL BUS STOP SIGN (BY OTHERS).
- INSTALL TWO STAGE LEFT TURN BIKE BOX. THE BIKE BOX SHALL BE UNFILLED WHITE WITH BIKE SYMBOL AND LEFT ARROW MARKING.

SIGNING & STRIPING SIGNS

LEGEND AND SYMBOLS

- # PAVEMENT DELINEATION DETAIL NUMBER
- CHANGE OF PAVEMENT DELINEATION DETAIL
- PROPOSED SIGN AND POST
- NEW SIGN TO BE MOUNTED TO EXIST POST, STREET LIGHT POLE, OR TRAFFIC SIGNAL POLE
- EXISTING SIGN TO REMAIN
- EXISTING SIGN TO BE REMOVED (DASHED)
- PROPOSED SIGN MOUNTED ON SIGNAL MAST ARM (SEE CT SERIES PLAN SHEETS)
- PAVEMENT MARKING ARROWS (PROPOSED)
- PAVEMENT MARKING ARROWS (EXISTING)
- PROPOSED SHARED ROADWAY BICYCLE MARKING ("SHARROW")
- PROPOSED BIKE LOOP DETECTOR SYMBOL MARKING
- PROPOSED BIKE LANE SYMBOL WITH PERSON AND ARROW MARKING
- PROPOSED YIELD LINE
- P/C PAINT CURB AS NOTED
- PROPOSED PREFORMED GREENBACK SHARROW BOX IN INTERSECTION
- RELOCATE SIGN AS NOTED

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B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
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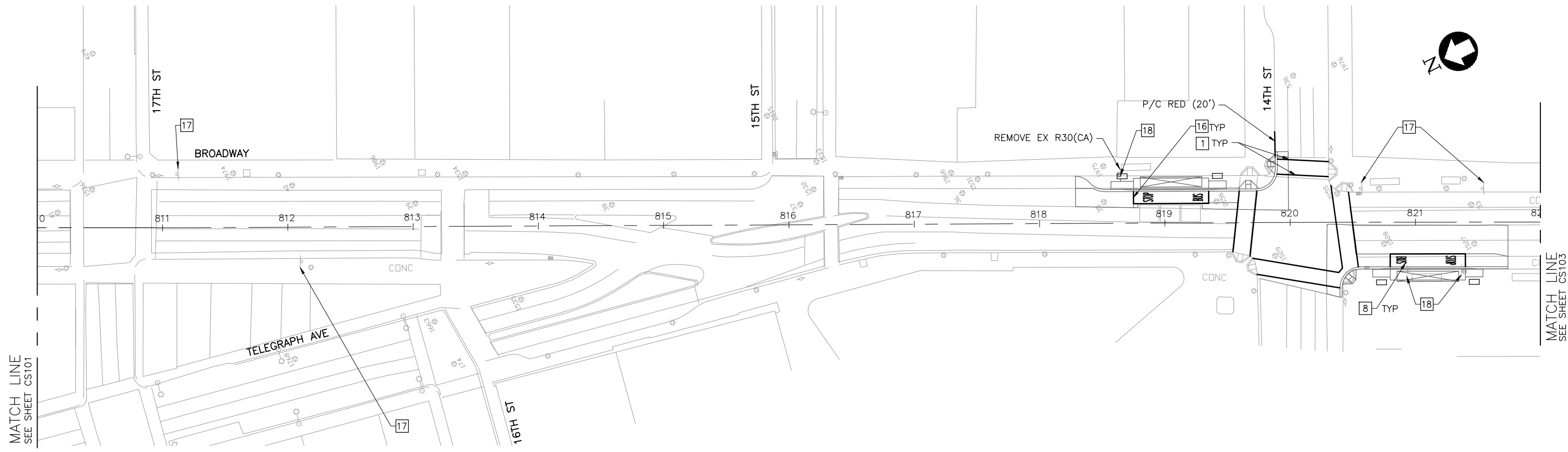
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 LEGEND, ABBREVIATIONS, GENERAL AND CONSTRUCTION NOTES

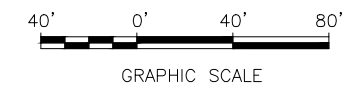
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MATCH LINE
SEE SHEET CS101

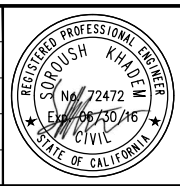
MATCH LINE
SEE SHEET CS103



FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

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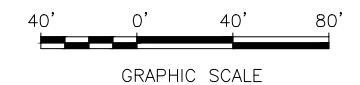
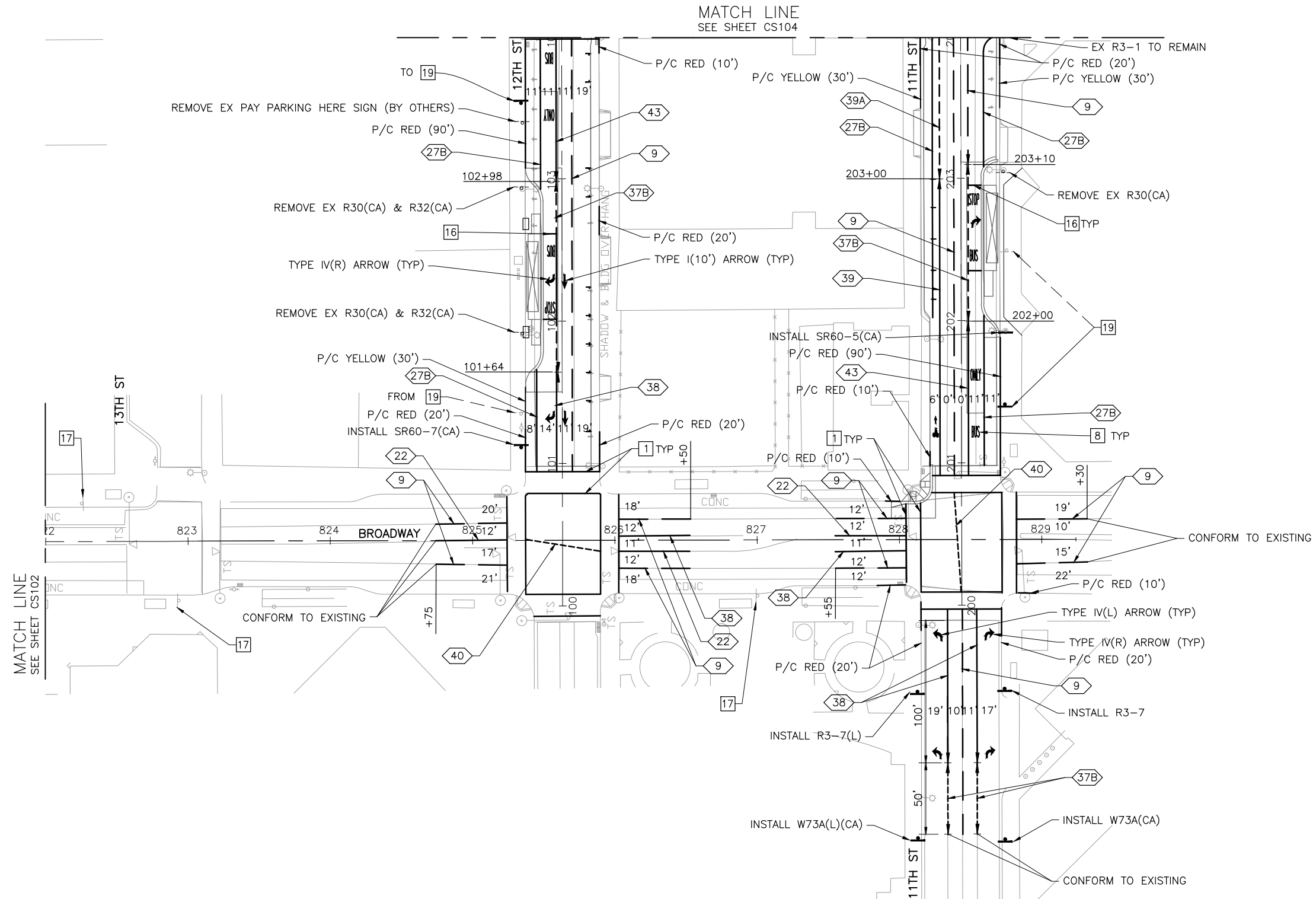
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
DOWNTOWN OAKLAND
SHEET 2 OF 6

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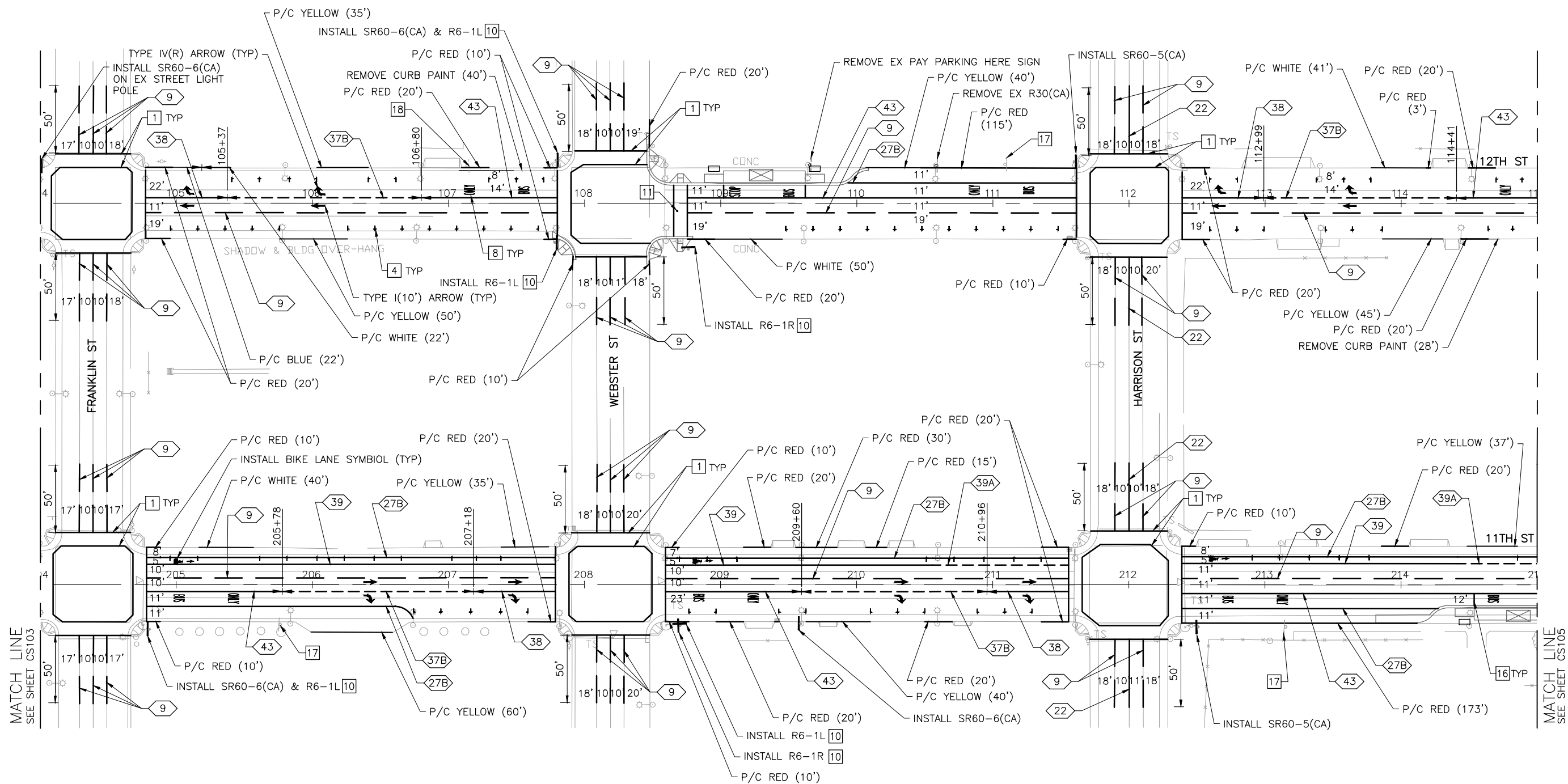


FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

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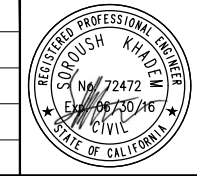
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

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ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

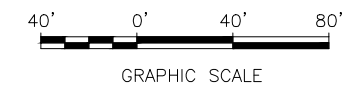
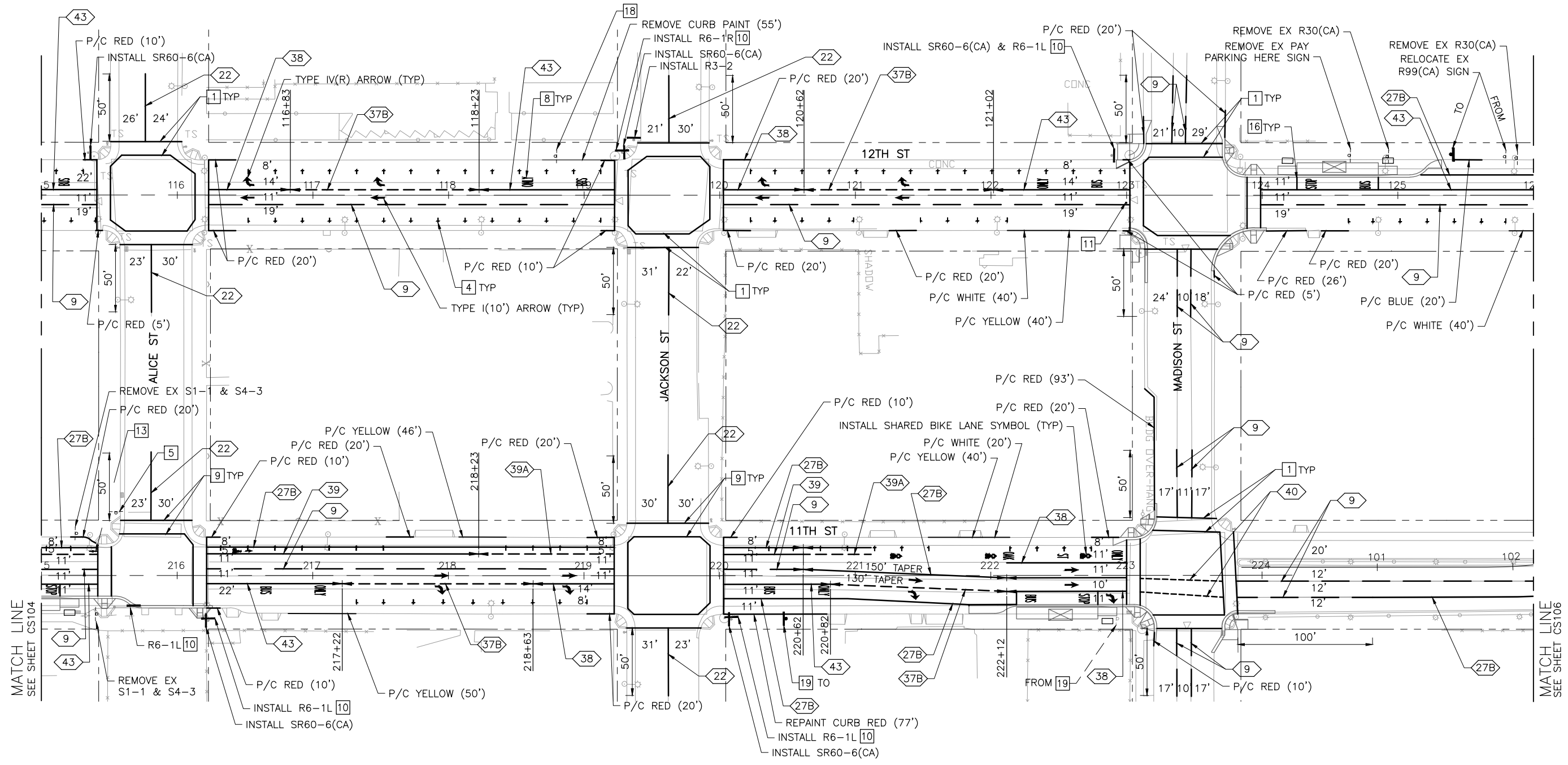
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 DOWNTOWN OAKLAND
 SHEET 4 OF 6

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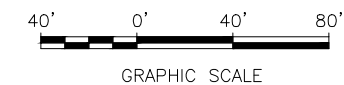
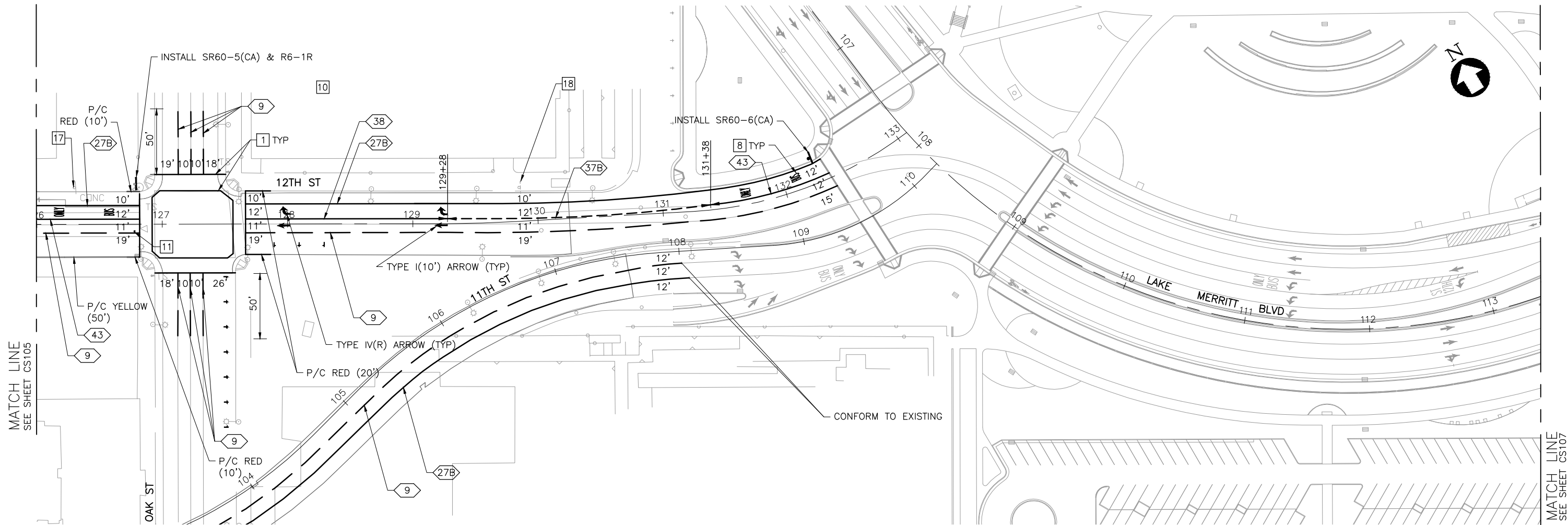
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

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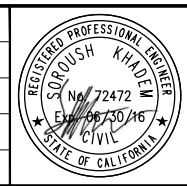
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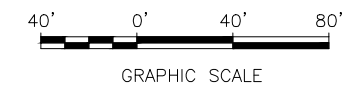
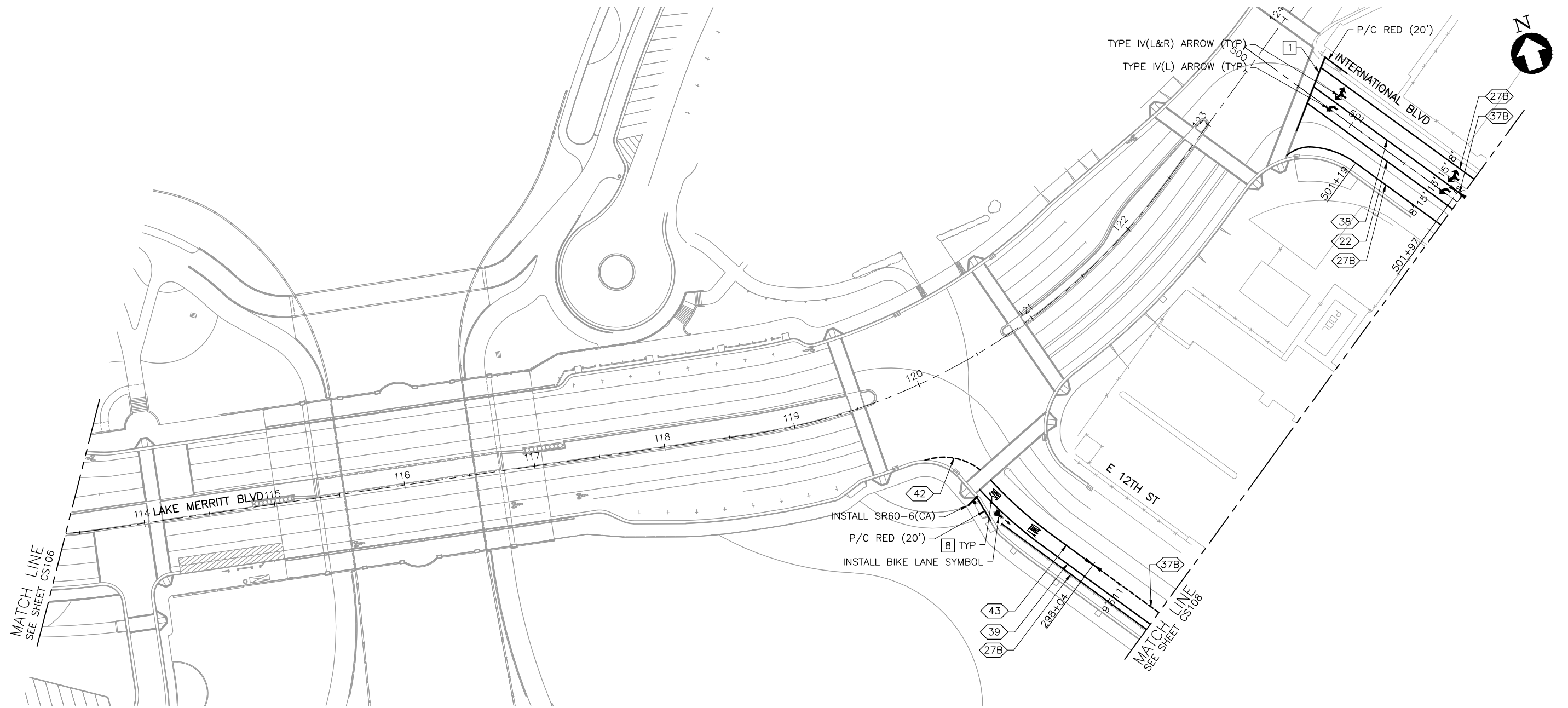
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 DOWNTOWN OAKLAND
 SHEET 6 OF 6

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SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS106	SHEET NO. 703

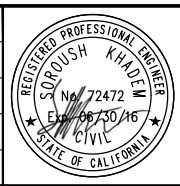
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
APP #01-115240
 AC_ _ FLS_ _ SS_ _
 DATE
 ACS: Janet McFarland

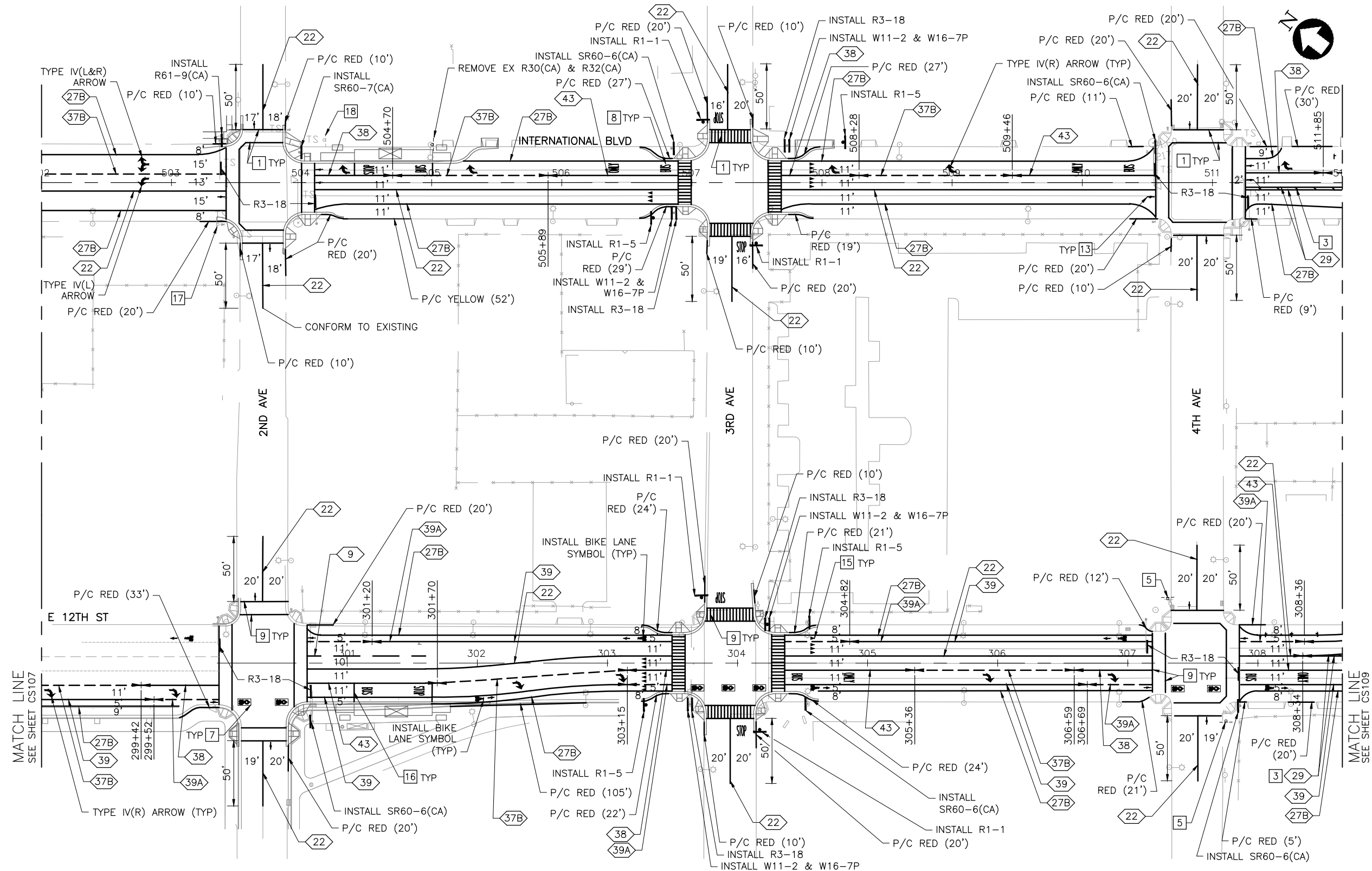
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT

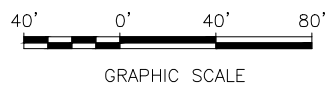
SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD AND E 12TH ST
 LAKE MERRITT BLVD TO 15TH AVE, SHEET 1 OF 6

CADD FILENAME BRT-CS-107-1.dwg	
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CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS107	SHEET NO. 704

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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.



1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
APP #01-115240
 AC_ _FLS_ _SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

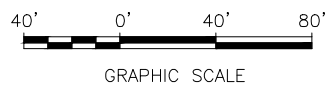
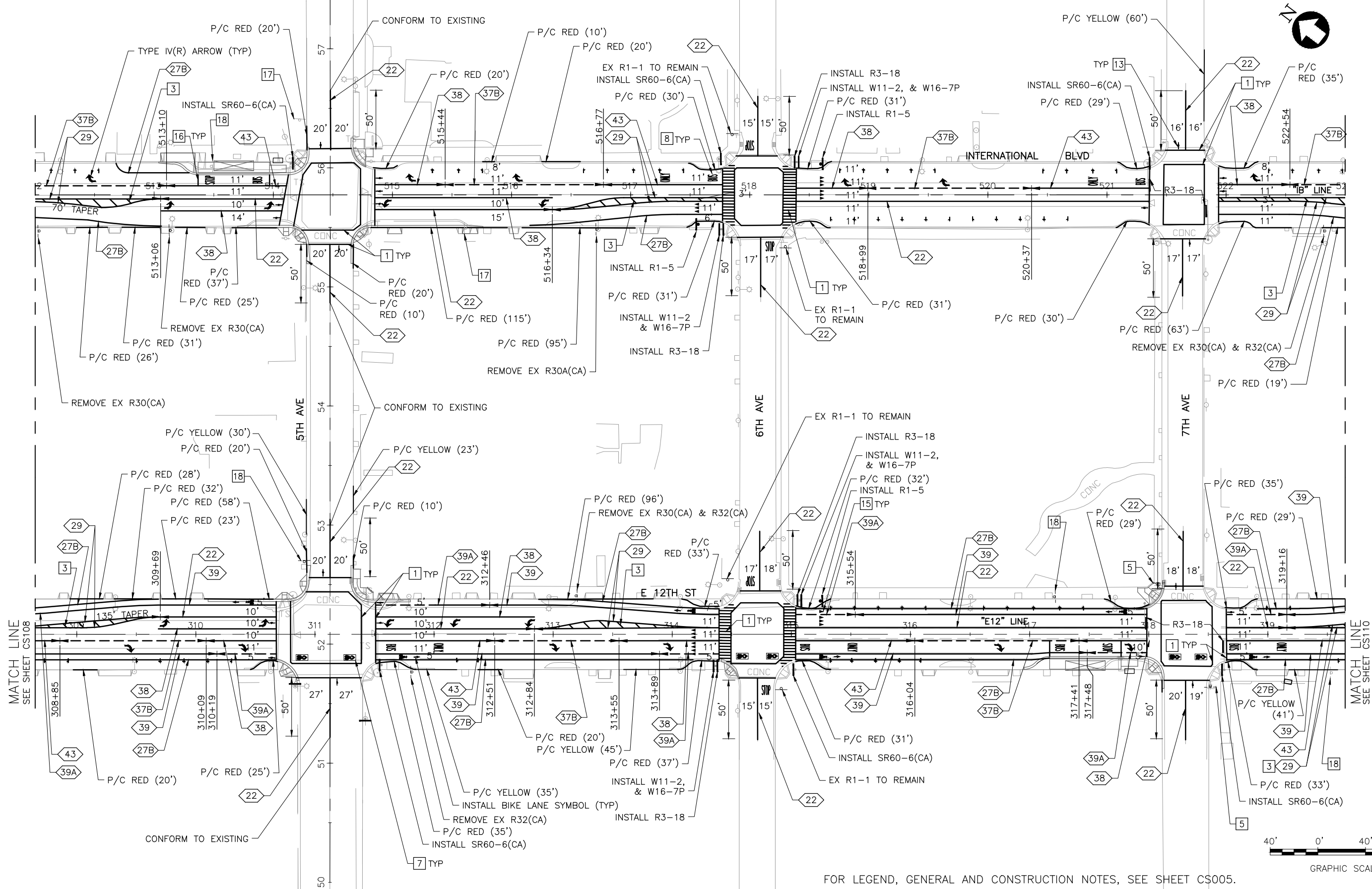
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
INTERNATIONAL BLVD AND E 12TH ST
LAKE MERRITT BLVD TO 15TH AVE, SHEET 2 OF 6

CADD FILENAME BRT-CS-108-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS108	SHEET NO. 705

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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
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 FILE #
APP #01-115240
 AC_ _ FLS_ _ SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

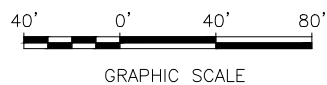
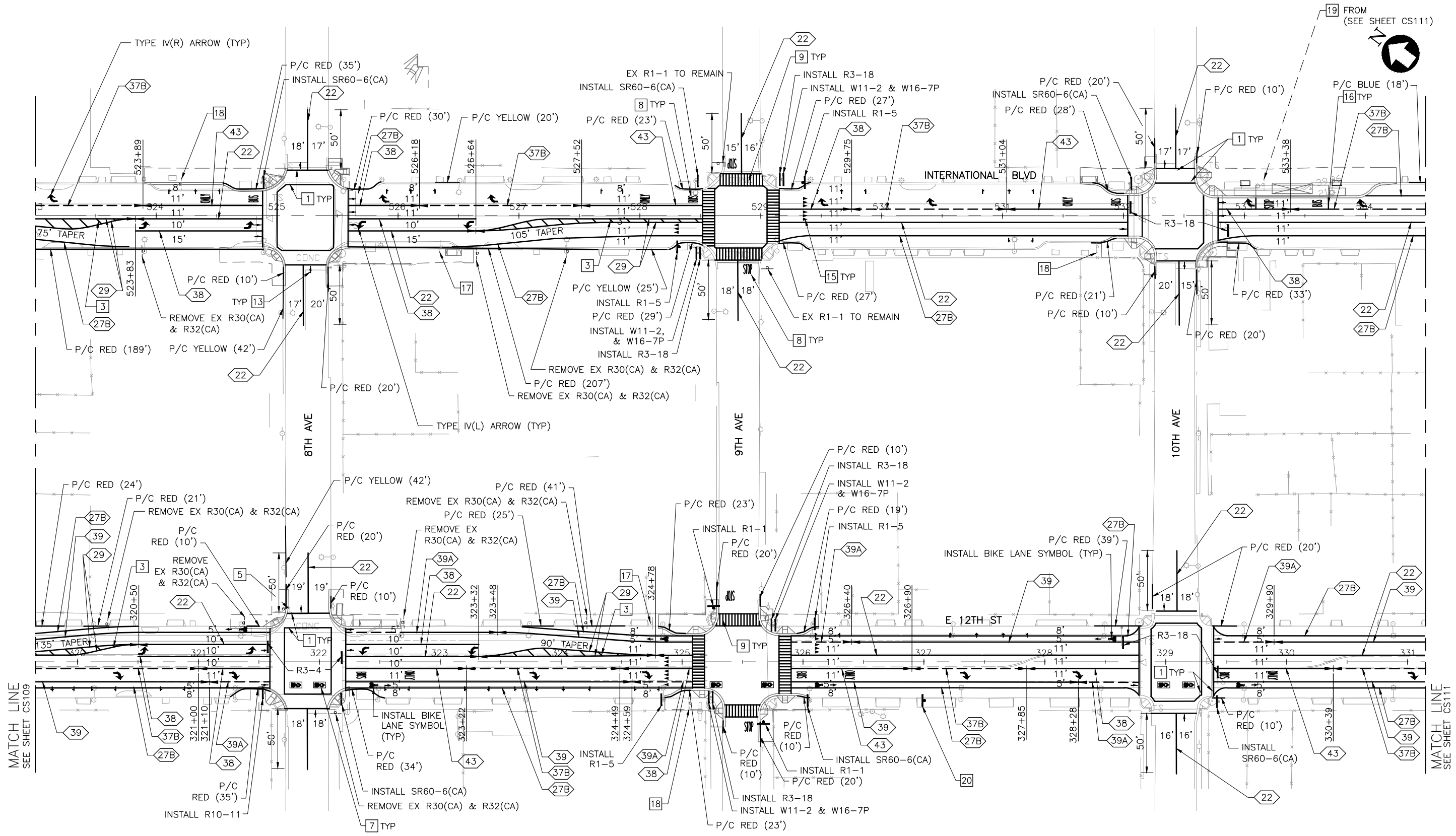
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD AND E 12TH ST
 LAKE MERRITT BLVD TO 15TH AVE, SHEET 3 OF 6

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DRAWING NO. CS109	SHEET NO. 706

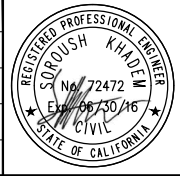
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
APP #01-115240
 AC_ _FLS_ _SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

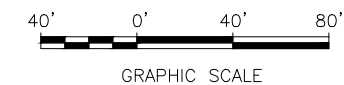
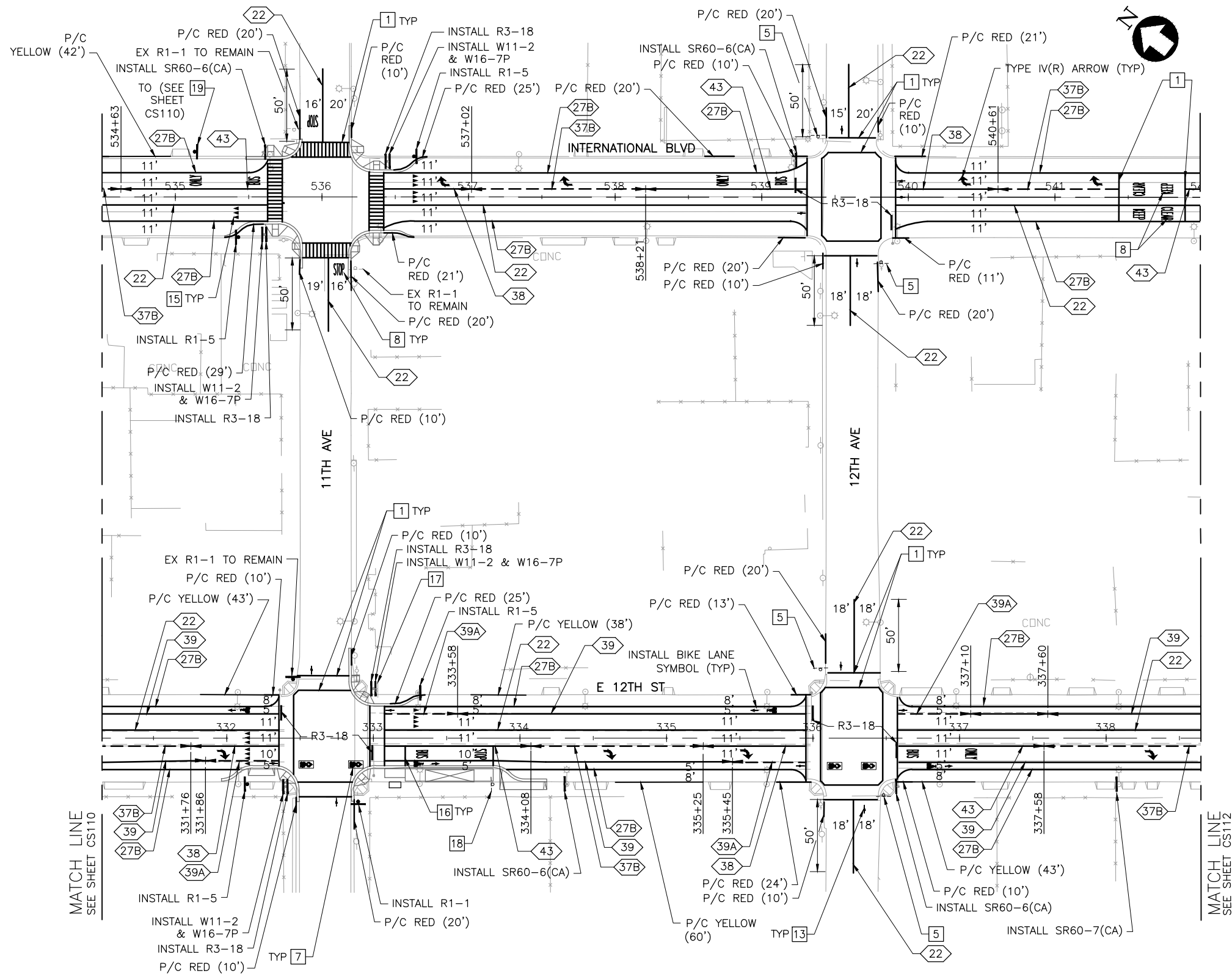
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD AND E 12TH ST
 LAKE MERRITT BLVD TO 15TH AVE, SHEET 4 OF 6

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SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS110	SHEET NO. 707

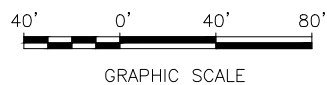
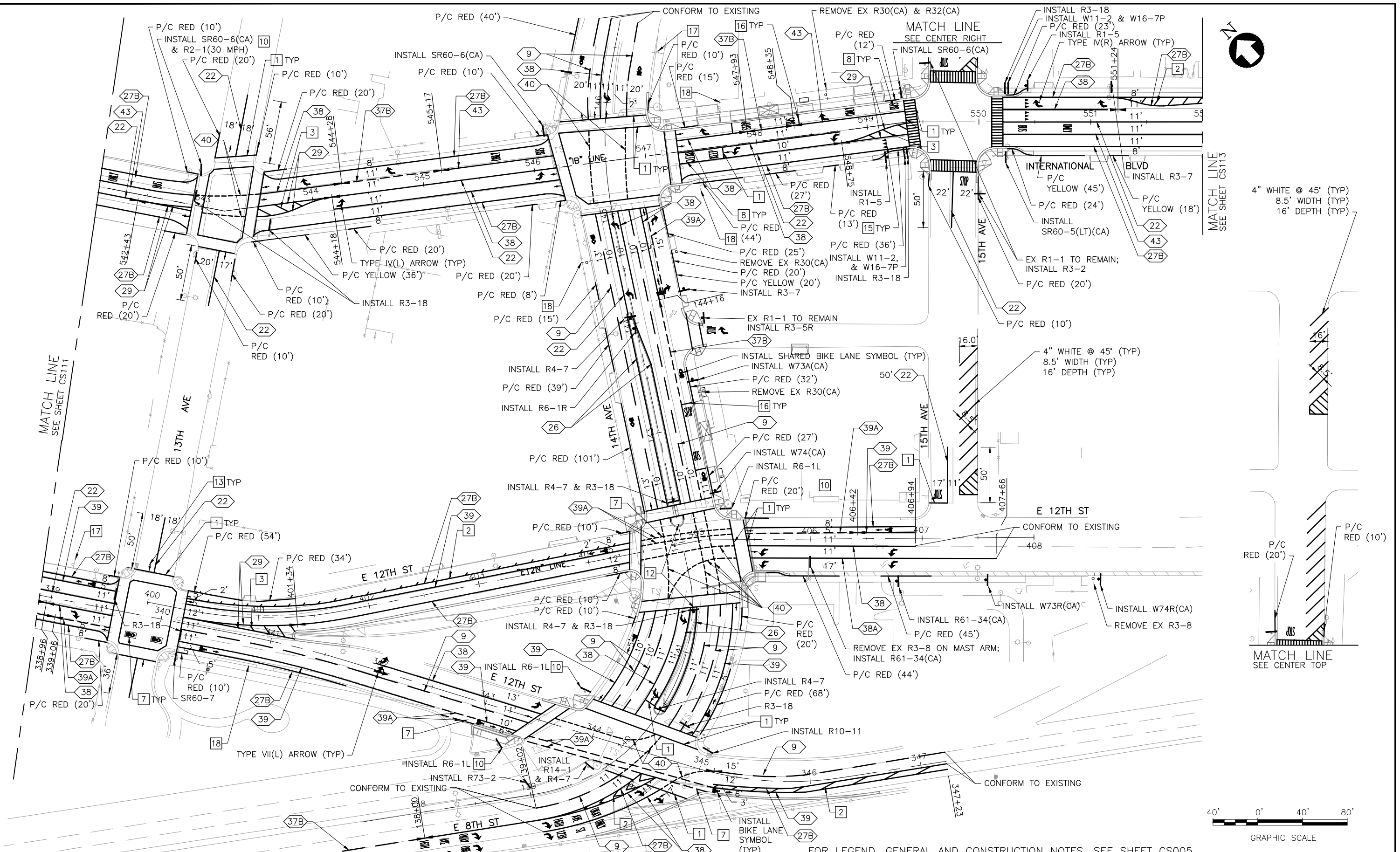
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

DESIGNED: B. LEE DRAWN: P. LIAO CHECKED: S. KHADEM APPROVED: C. SEGUR DATE: 20151223			IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _ FLS_ _ SS_ _ DATE ACS: Janet McFarland		ALAMEDA - CONTRA COSTA TRANSIT DISTRICT 		EAST BAY BUS RAPID TRANSIT PROJECT SIGNING AND STRIPING PLAN INTERNATIONAL BLVD AND E 12TH ST LAKE MERRITT BLVD TO 15TH AVE, SHEET 5 OF 6		CADD FILENAME BRT-CS-111-1.dwg SIZE D 1" = 40' SCALE CONTRACT NO. 2011-1177 DRAWING NO. CS111		REV. 1 SHEET NO. 708	
1 REV. DATE	20151223 ADDENDUM # : REVISED SHEET DESCRIPTION											

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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # - REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
APP #01-115240
 AC_ _FLS_ _SS_ _
 DATE
 ACS: Janet McFarland

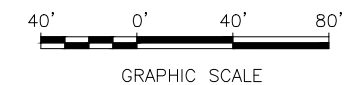
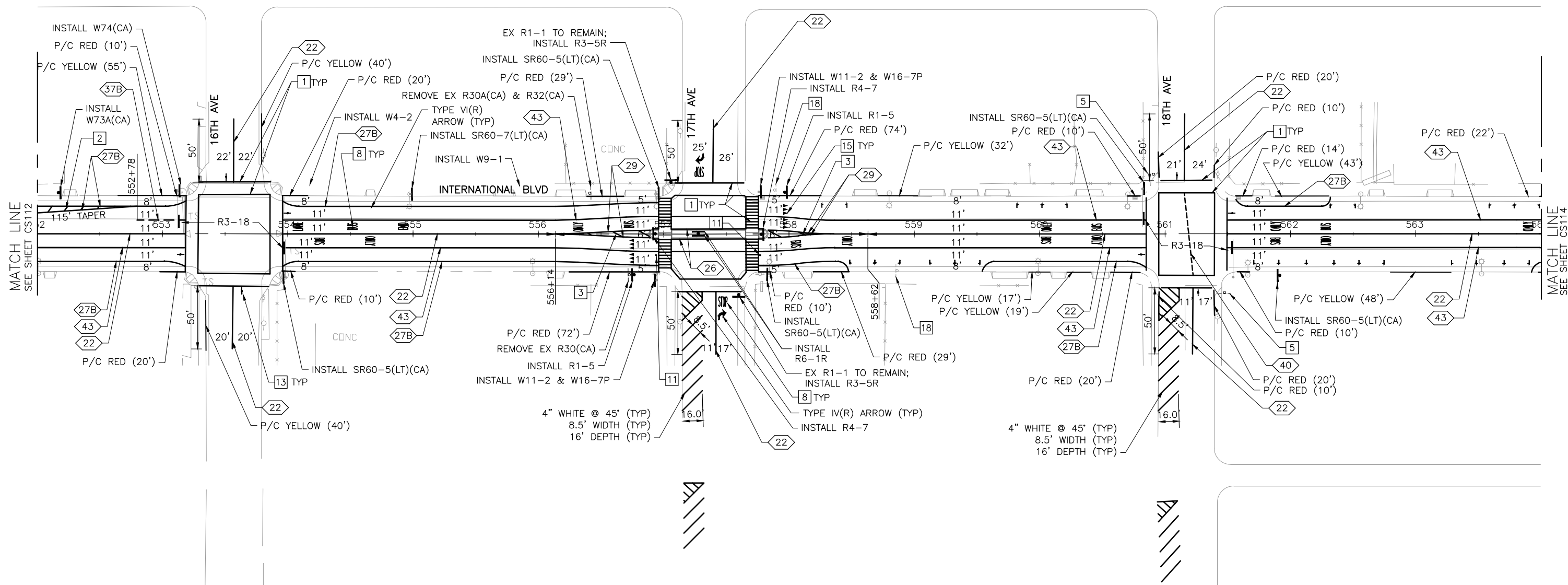
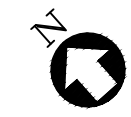
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD AND E 12TH ST
 LAKE MERRITT BLVD TO 15TH AVE, SHEET 6 OF 6

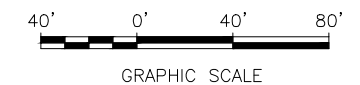
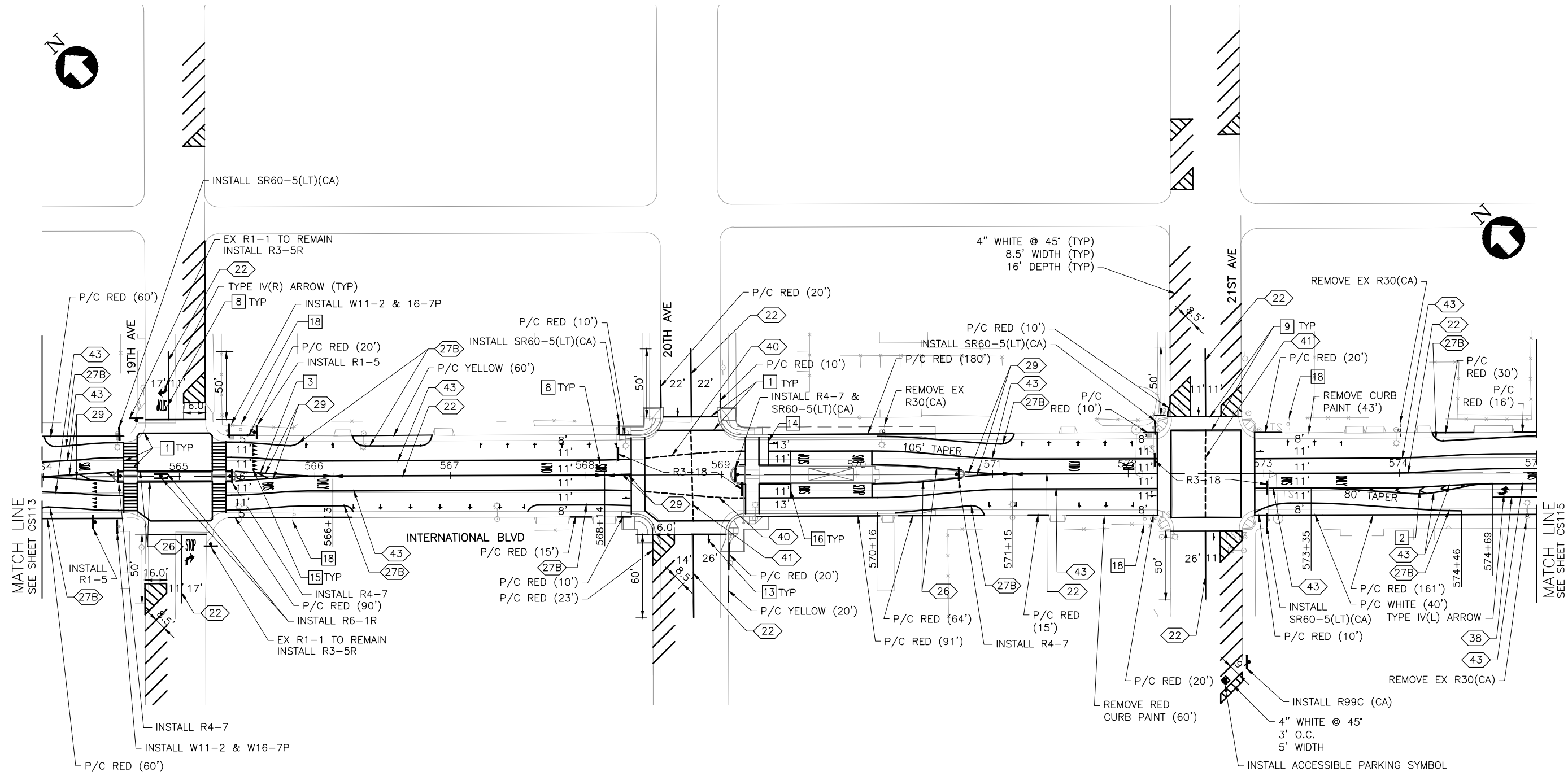
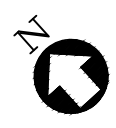
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SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS112	SHEET NO. 709



FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

DESIGNED: B. LEE DRAWN: P. LIAO CHECKED: S. KHADEM APPROVED: C. SEGUR DATE: 20151223			IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _ FLS_ _ SS_ _ DATE _____ ACS: Janet McFarland		ALAMEDA - CONTRA COSTA TRANSIT DISTRICT 		EAST BAY BUS RAPID TRANSIT PROJECT SIGNING AND STRIPING PLAN INTERNATIONAL BLVD 16TH AVE TO 42ND AVE, SHEET 1 OF 9		CADD FILENAME BRT-CS-113-1.dwg SIZE D SCALE 1" = 40' CONTRACT NO. 2011-1177 REV. 1 DRAWING NO. CS113 SHEET NO. 710	
1 REV. DATE	20151223 ADDENDUM # : REVISED SHEET DESCRIPTION									

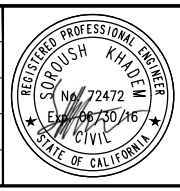
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
DRAWN:
P. LIAO
CHECKED:
S. KHADEM
APPROVED:
C. SEGUR
DATE:
20151223



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE #
APP #01-115240
AC_ _FLS_ _SS_ _
DATE
ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

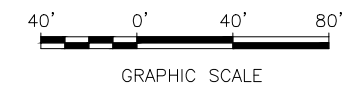
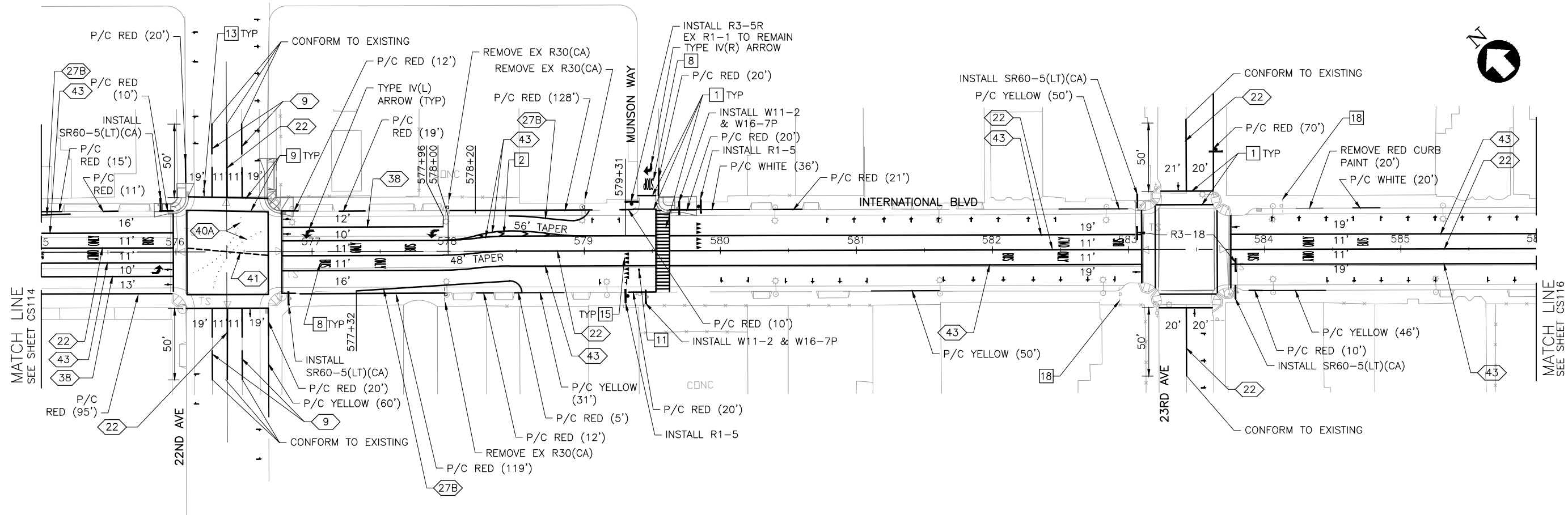
EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
INTERNATIONAL BLVD
16TH AVE TO 42ND AVE, SHEET 2 OF 9

CADD FILENAME BRT-CS-114-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS114	SHEET NO. 711

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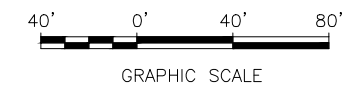
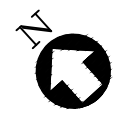
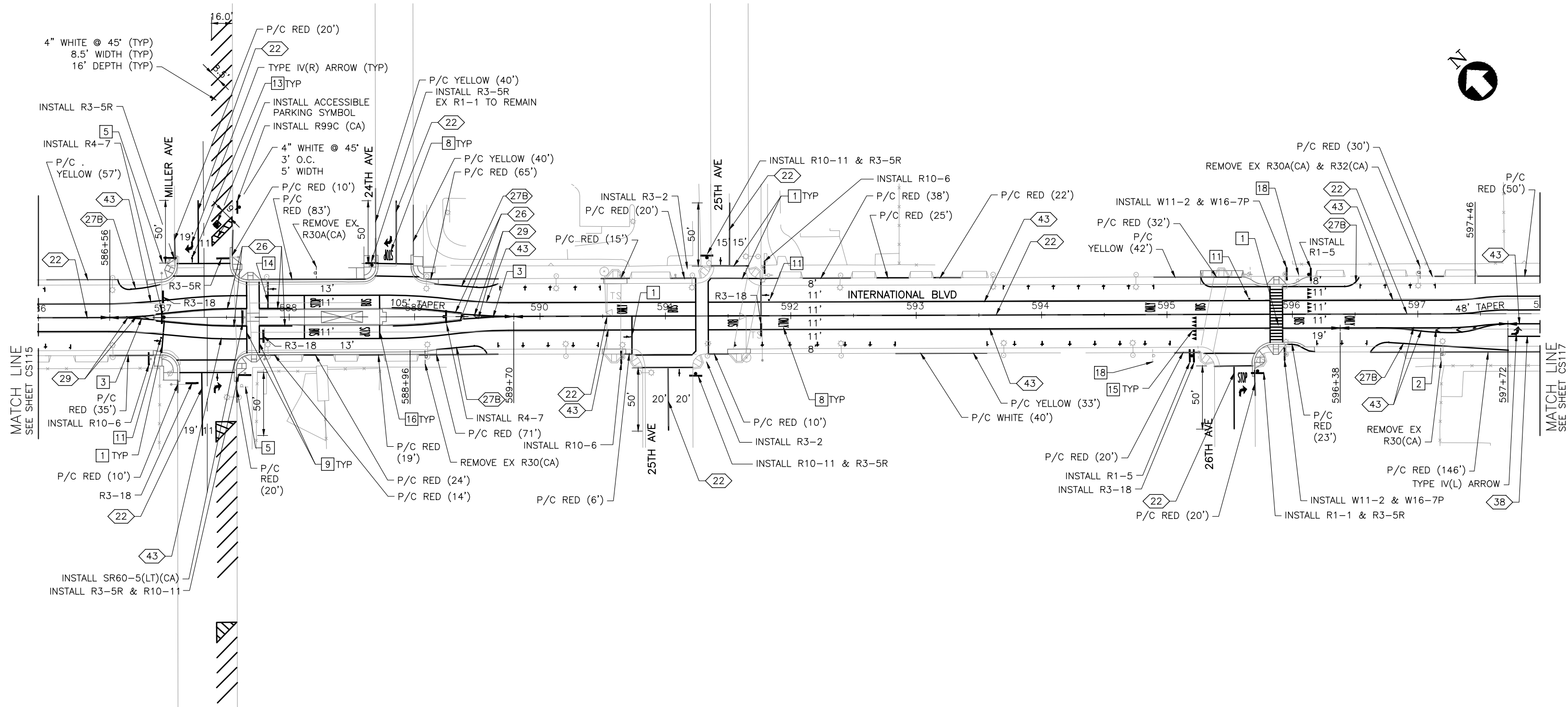
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1 REV. DATE	20151223 ADDENDUM # : REVISED SHEET DESCRIPTION	DESIGNED: B. LEE		IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _FLS_ _SS_ _ DATE ACS: Janet McFarland	ALAMEDA - CONTRA COSTA TRANSIT DISTRICT East Bay Bus Rapid Transit	EAST BAY BUS RAPID TRANSIT PROJECT SIGNING AND STRIPING PLAN INTERNATIONAL BLVD 16TH AVE TO 42ND AVE, SHEET 3 OF 9	CADD FILENAME BRT-CS-115-1.dwg
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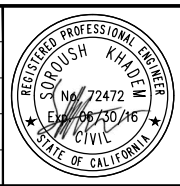
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
APP #01-115240
 AC_ _FLS_ _SS_ _
 DATE
 ACS: Janet McFarland

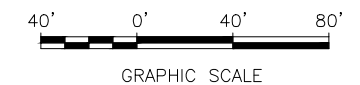
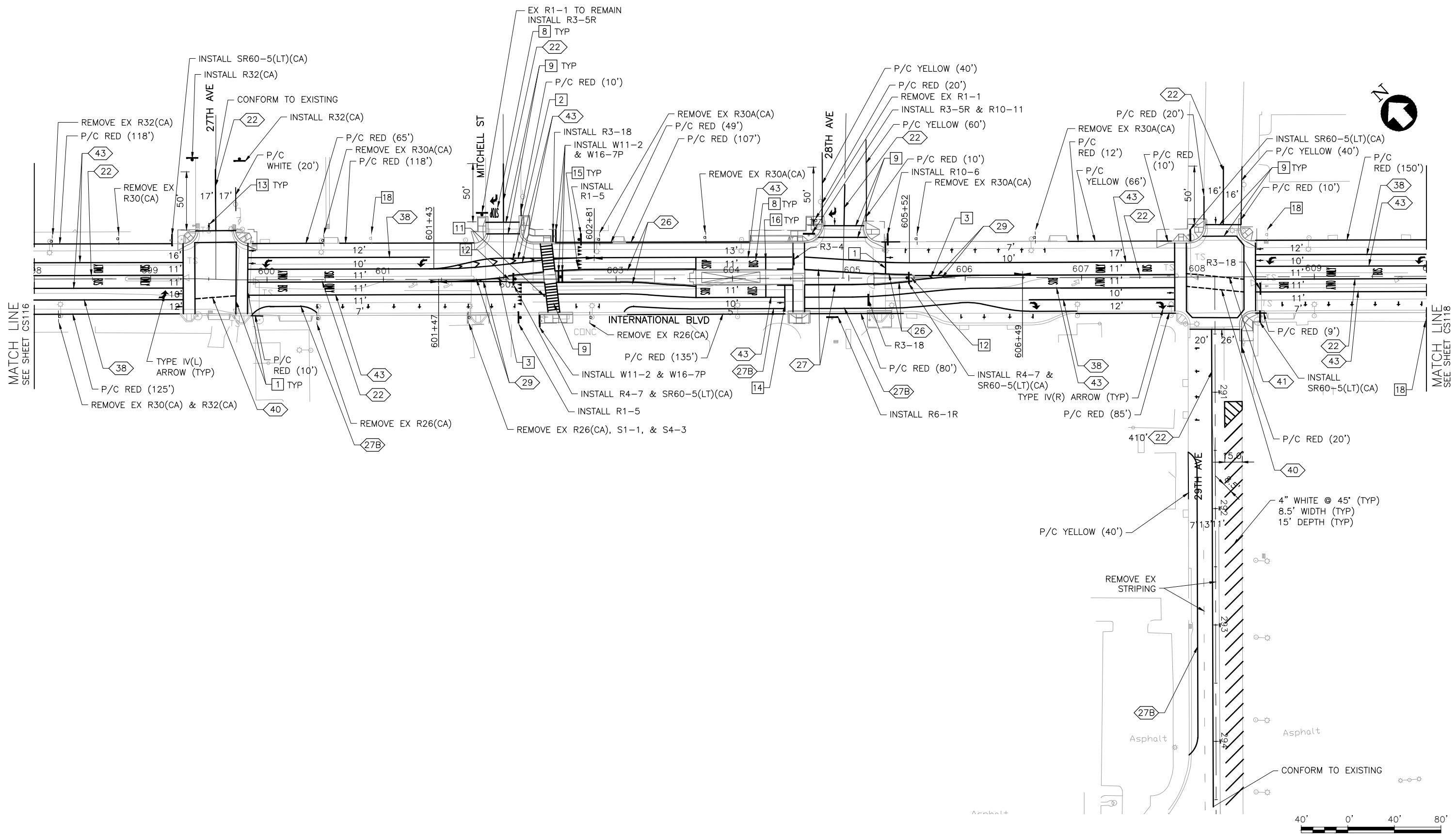
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 16TH AVE TO 42ND AVE, SHEET 4 OF 9

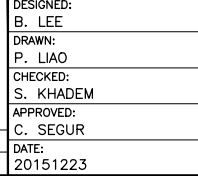
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

DESIGNED: B. LEE	ADDENDUM # : REVISED SHEET DESCRIPTION
DRAWN: P. LIAO	
CHECKED: S. KHADEM	
APPROVED: C. SEGUR	
DATE: 20151223	



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _FLS_ _SS_ _
 DATE _____
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

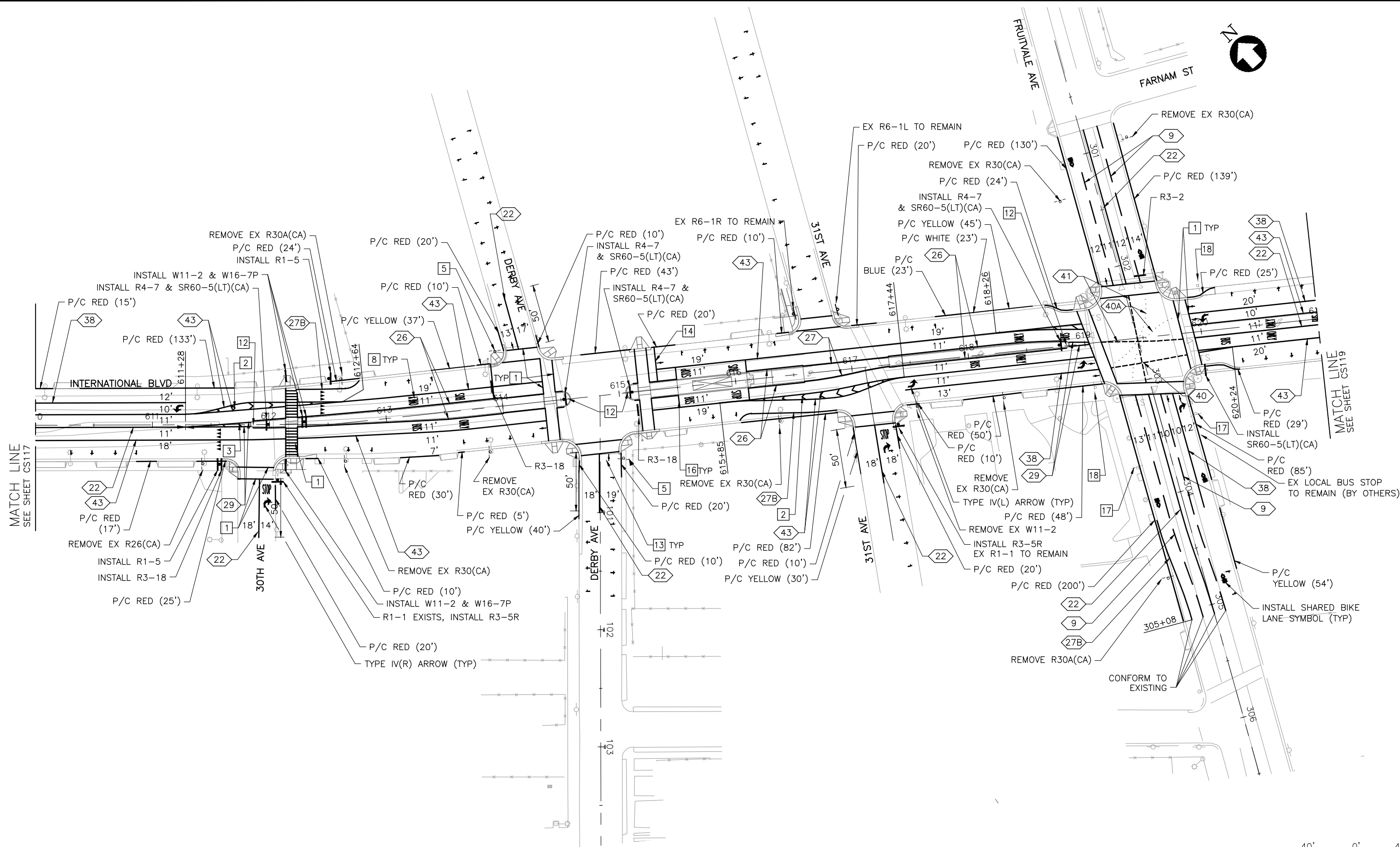
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 16TH AVE TO 42ND AVE, SHEET 5 OF 9

CADD FILENAME BRT-CS-117-1.dwg	
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CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS117	SHEET NO. 714

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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
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20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
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 APP #01-115240
 AC_ _ FLS_ _ SS_ _
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 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

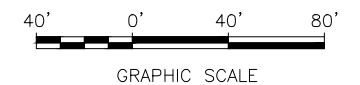
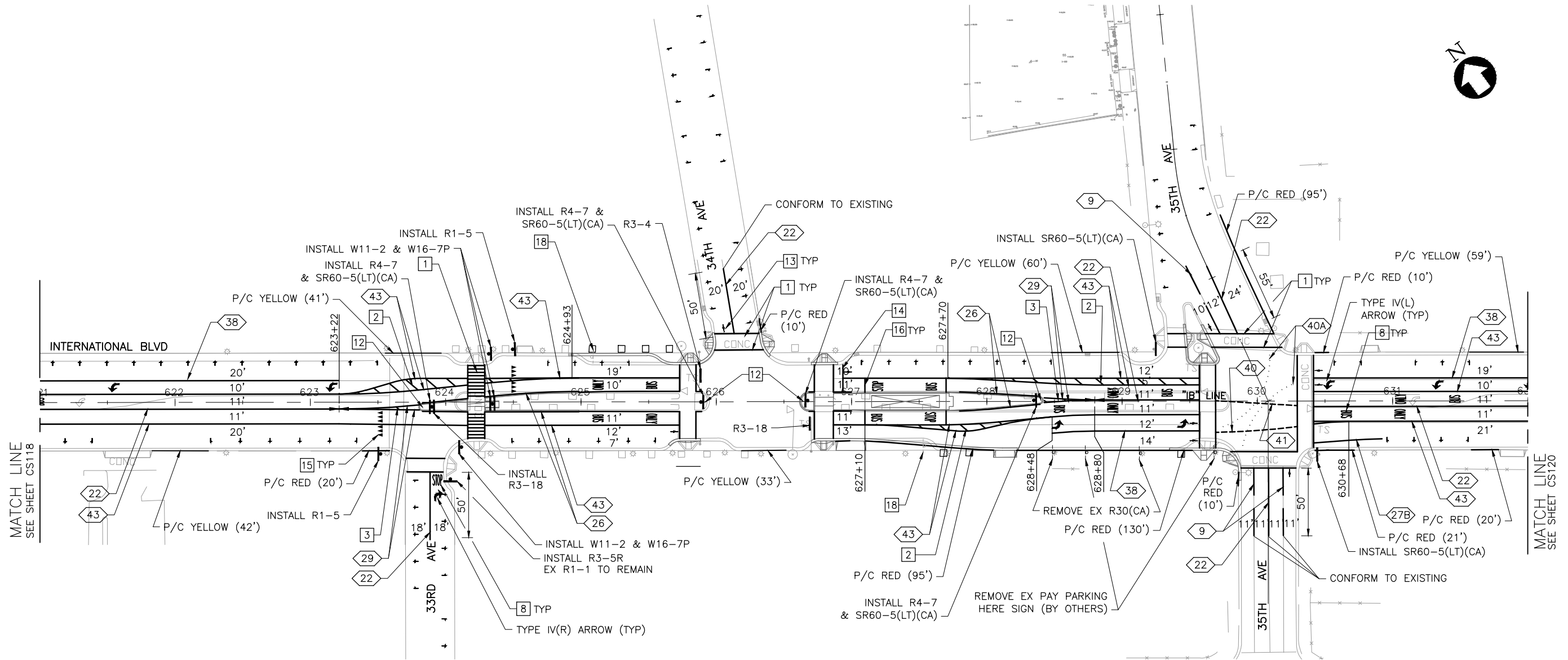
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 16TH AVE TO 42ND AVE, SHEET 6 OF 9

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SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS118	SHEET NO. 715

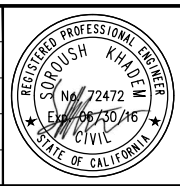
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _ FLS_ _ SS_ _
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 ACS: Janet McFarland

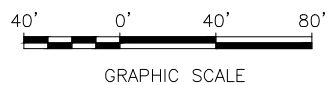
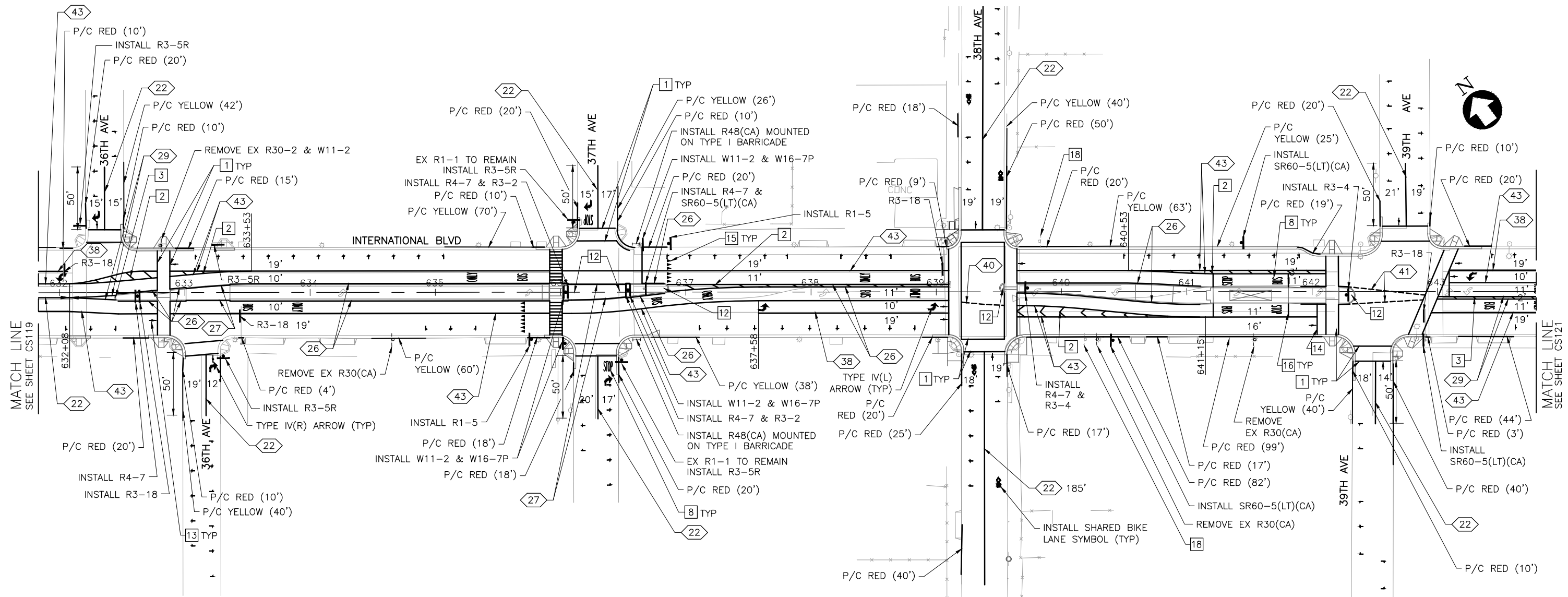
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 16TH AVE TO 42ND AVE, SHEET 7 OF 9

CADD FILENAME BRT-CS-119-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS119	SHEET NO. 716

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1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
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 ACS: Janet McFarland

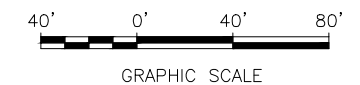
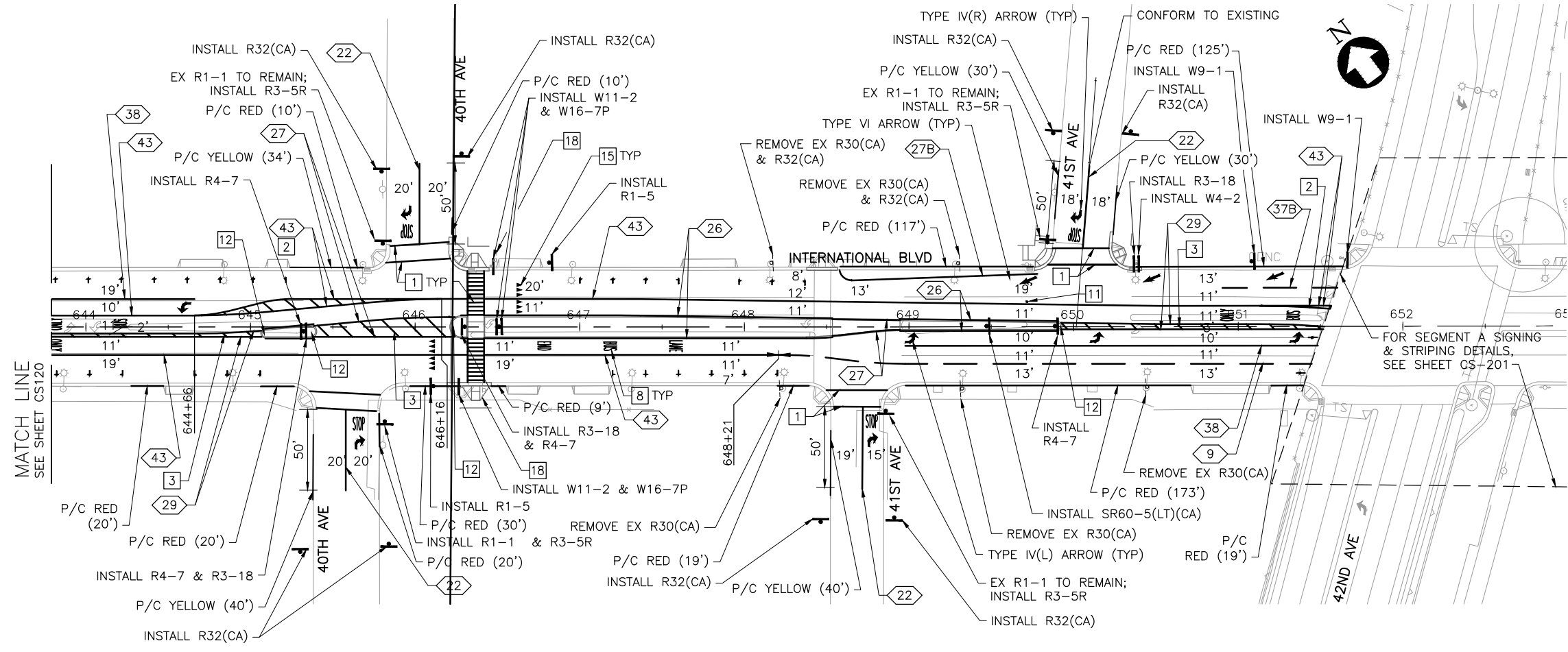
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 16TH AVE TO 42ND AVE, SHEET 8 OF 9

CADD FILENAME BRT-CS-120-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS120	SHEET NO. 717



FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

I:\SF-FILES\GHS-Files\Projects\2012\AC_Transit_BRT - 12-1024\CADD\BRT-CS-121-1.dwg 12/16/2015 10:34am BY: blec

DESIGNED: B. LEE	
DRAWN: P. LIAO	
CHECKED: S. KHADEM	
APPROVED: C. SEGUR	
DATE: 20151223	

IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT

FILE #
APP #01-115240

AC_ _FLS_ _SS_ _

DATE _____

ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

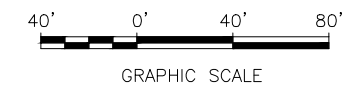
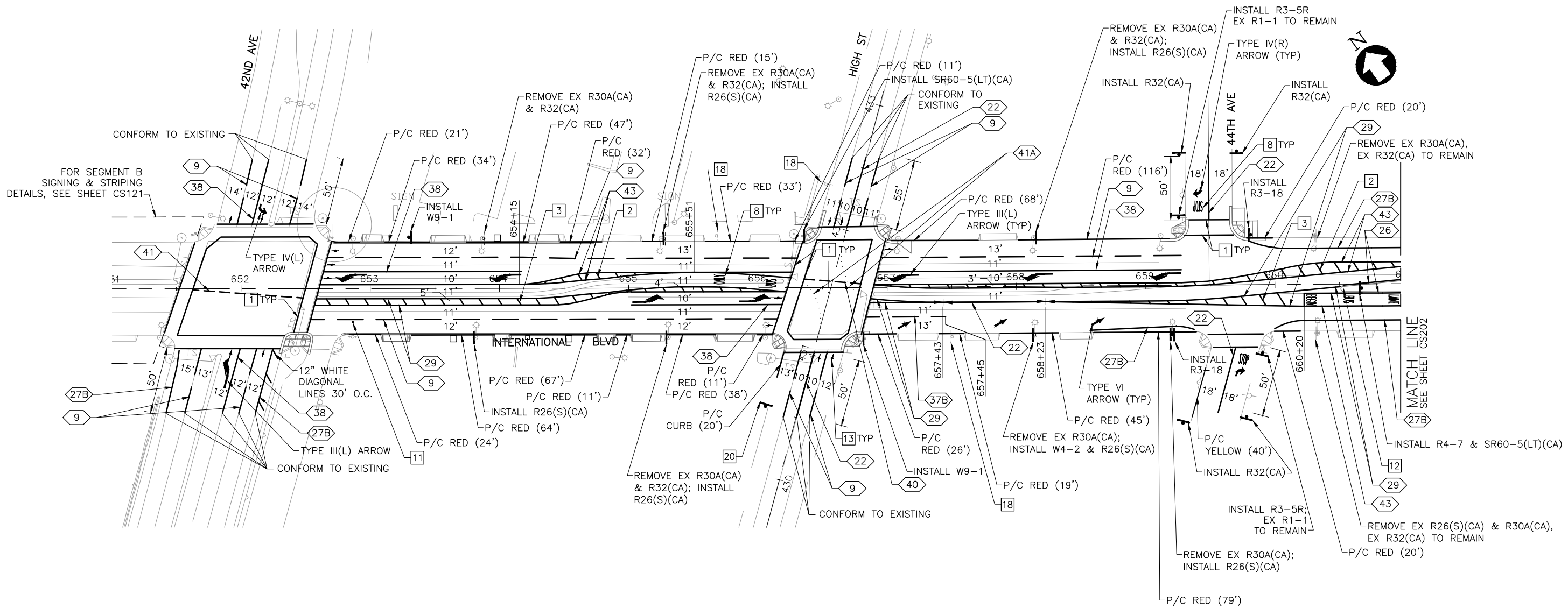


EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
INTERNATIONAL BLVD
16TH AVE TO 42ND AVE, SHEET 9 OF 9

CADD FILENAME BRT-CS-121-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS121	SHEET NO. 718

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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

DESIGNED: B. LEE	
DRAWN: P. LIAO	
CHECKED: S. KHADEM	
APPROVED: C. SEGUR	
DATE: 20151223	

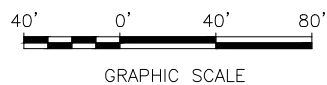
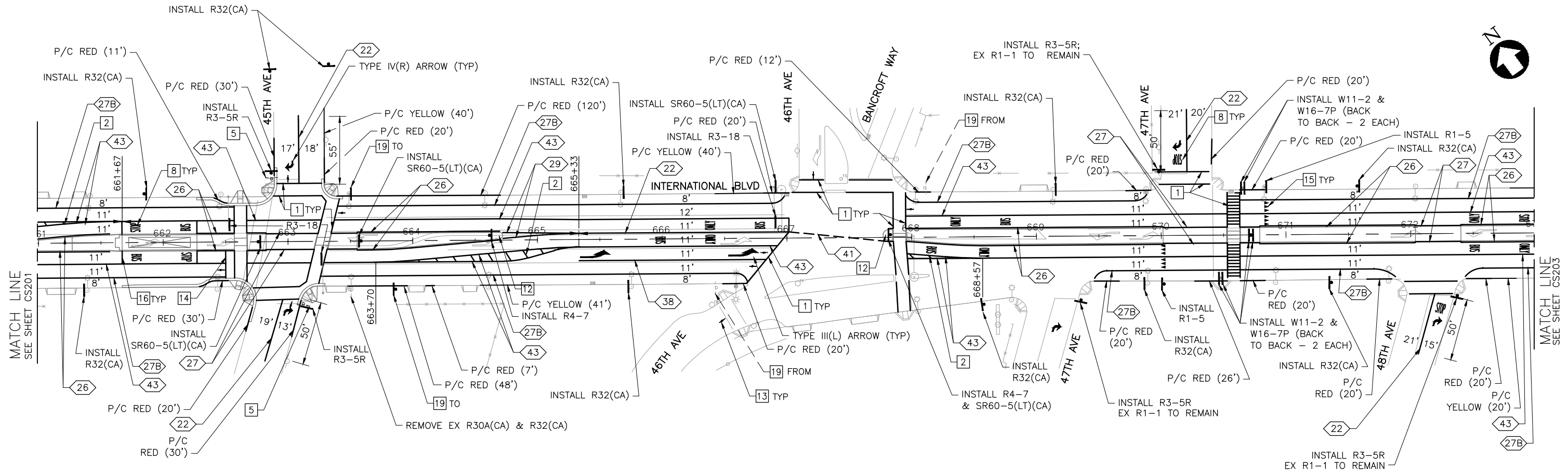
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 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _ FLS_ _ SS_ _
 DATE _____
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT
 SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 42ND AVE TO HEGENBERGER EXPWY, SHEET 1 OF 9

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SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS201	SHEET NO. 719

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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
DRAWN:
P. LIAO
CHECKED:
S. KHADEM
APPROVED:
C. SEGUR
DATE:
20151223



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE #
APP #01-115240
AC_ _FLS_ _SS_ _
DATE
ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

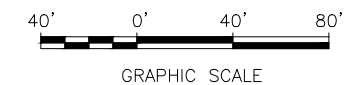
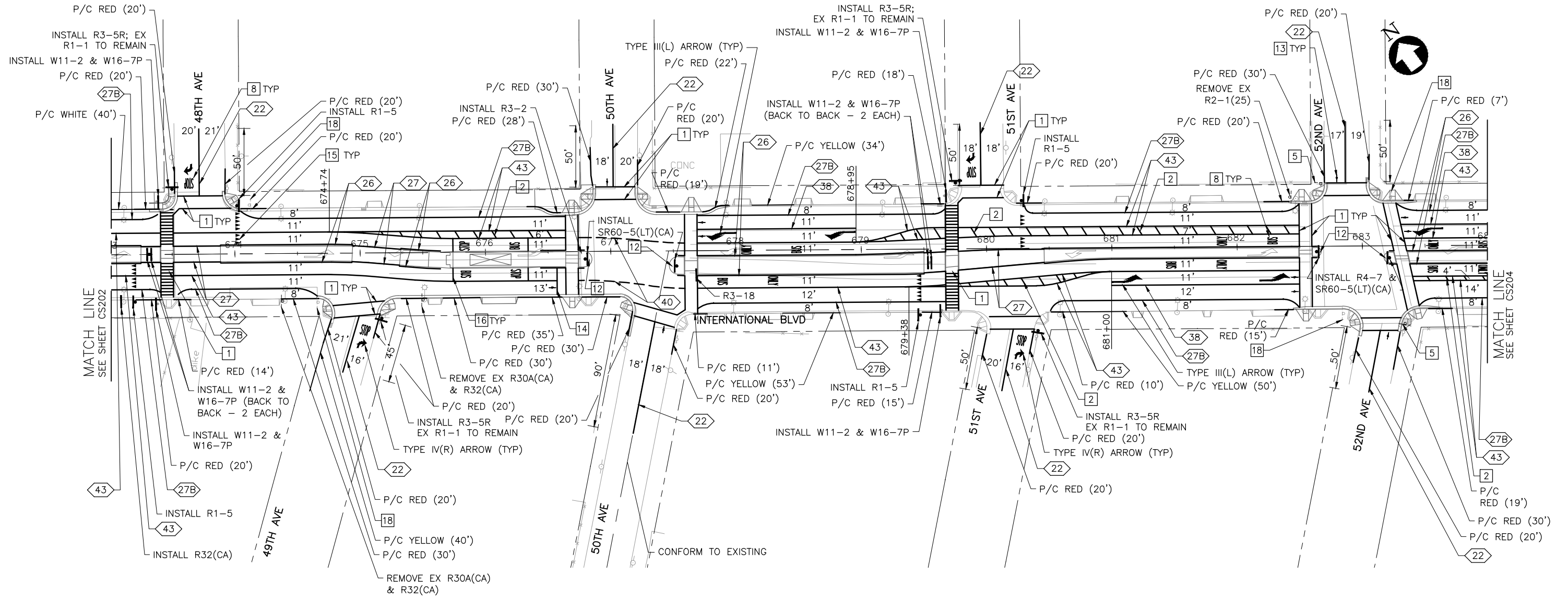
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
INTERNATIONAL BLVD
42ND AVE TO HEGENBERGER EXPWY, SHEET 2 OF 9

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CONTRACT NO. 2011-1177	REV. 1
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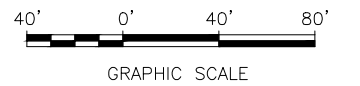
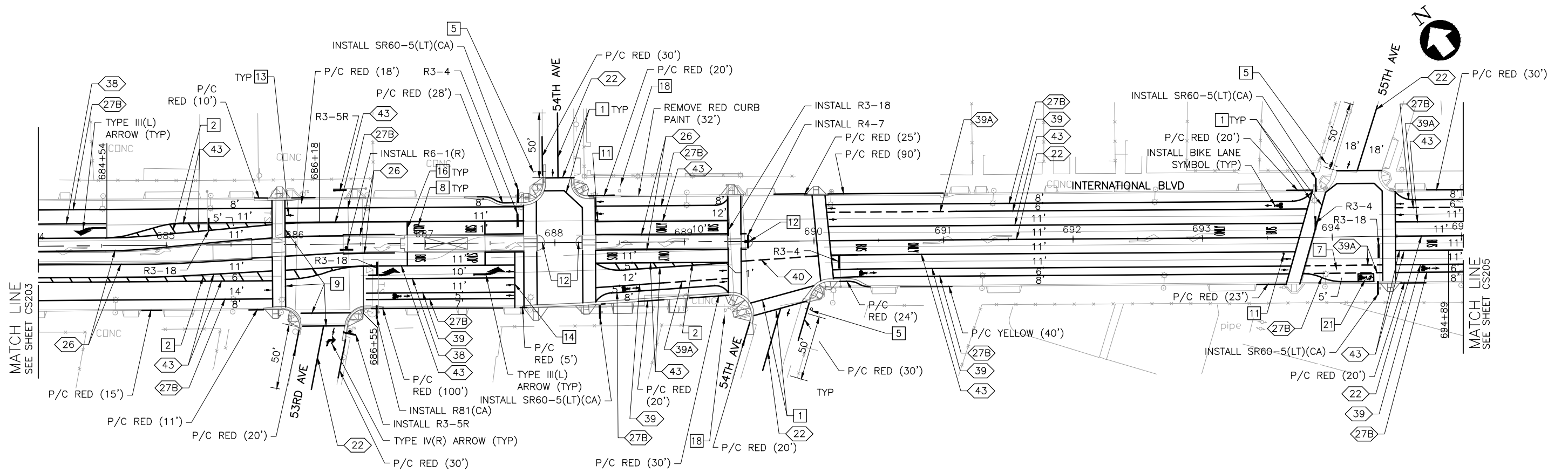
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1 REV. DATE	20151223 ADDENDUM # : REVISED SHEET DESCRIPTION	DESIGNED: B. LEE		IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _FLS_ _SS_ _ DATE ACS: Janet McFarland	ALAMEDA - CONTRA COSTA TRANSIT DISTRICT East Bay Bus Rapid Transit	EAST BAY BUS RAPID TRANSIT PROJECT SIGNING AND STRIPING PLAN INTERNATIONAL BLVD 42ND AVE TO HEGENBERGER EXPWY, SHEET 3 OF 9	CADD FILENAME BRT-CS-203-1.dwg
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						DRAWING NO. CS203	SHEET NO. 721

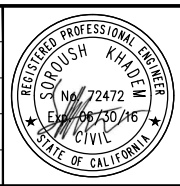
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1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



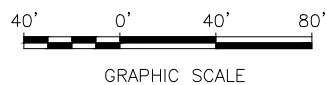
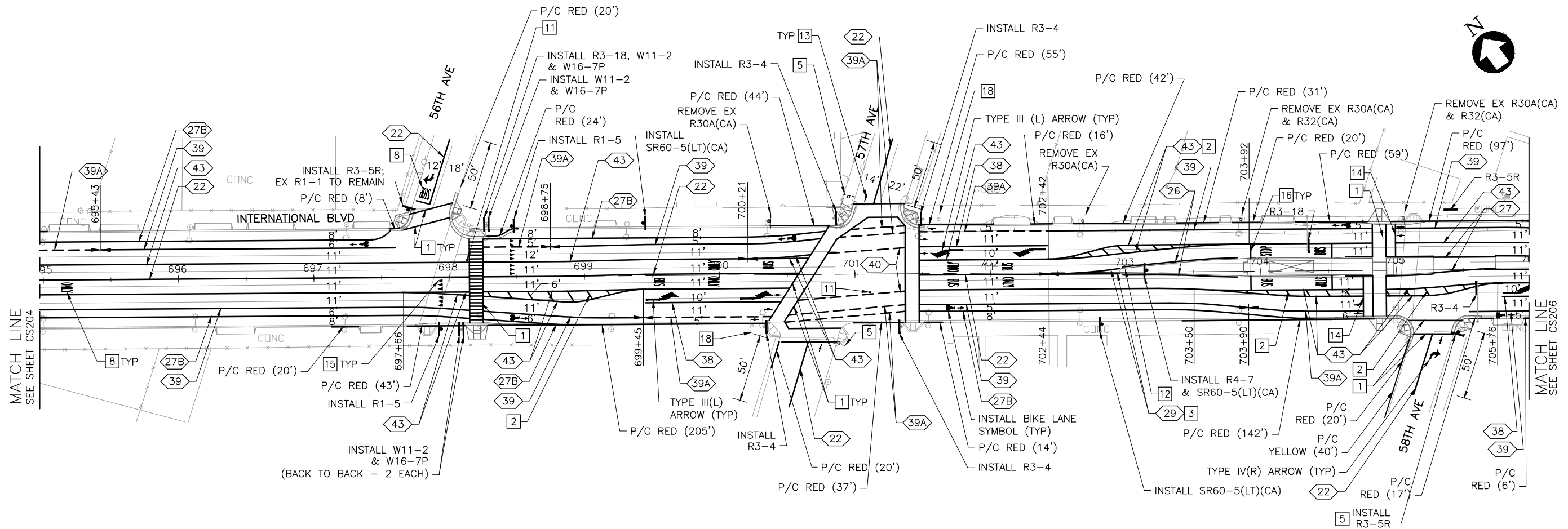
IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _FLS_ _SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT
 SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 42ND AVE TO HEGENBERGER EXPWY, SHEET 4 OF 9

CADD FILENAME BRT-CS-204-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS204	SHEET NO. 722

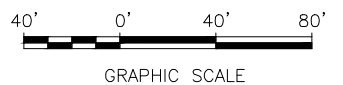
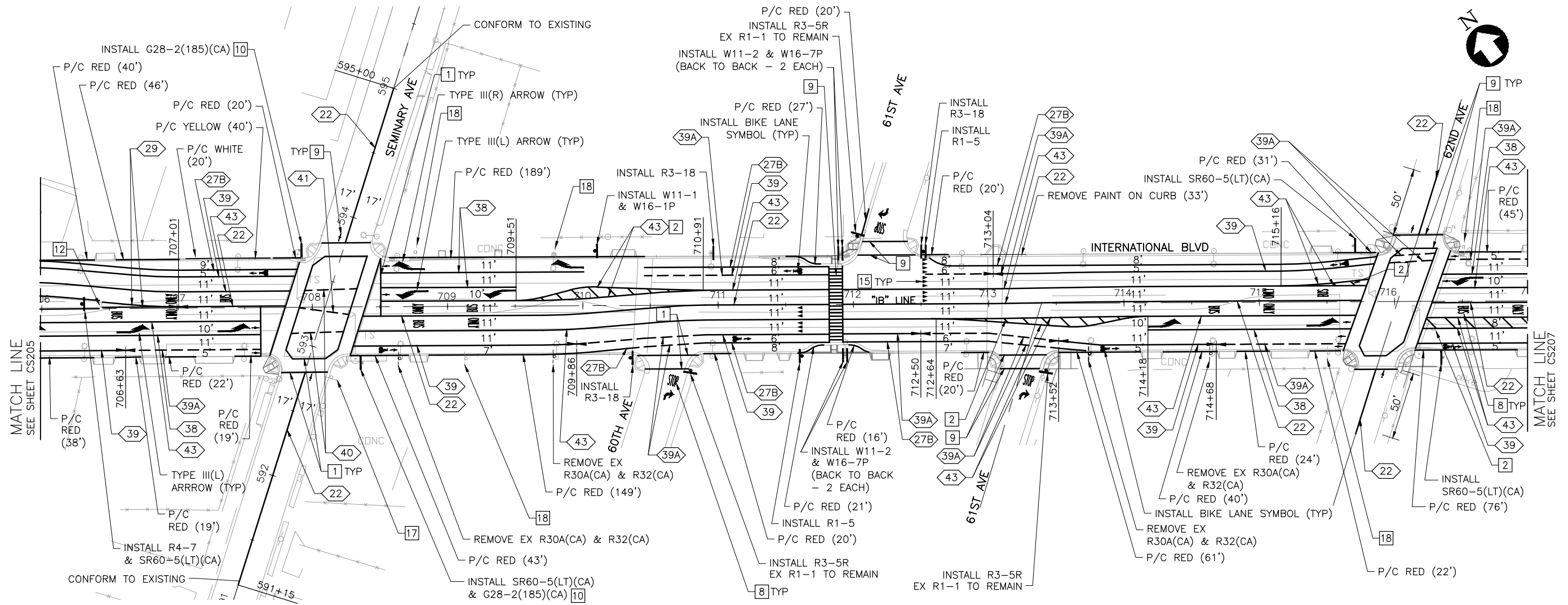
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

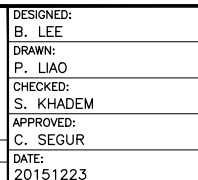
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			CHECKED: S. KHADEM					CONTRACT NO. 2011-1177	REV. 1
			APPROVED: C. SEGUR					DRAWING NO. CS205	SHEET NO. 723

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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

DESIGNED: B. LEE	ADDENDUM # : REVISED SHEET DESCRIPTION
DRAWN: P. LIAO	
CHECKED: S. KHADEM	
APPROVED: C. SEGUR	
DATE: 20151223	



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 APP #01-115240
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 DATE _____
 ACS: Janet McFarland

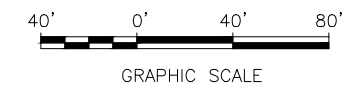
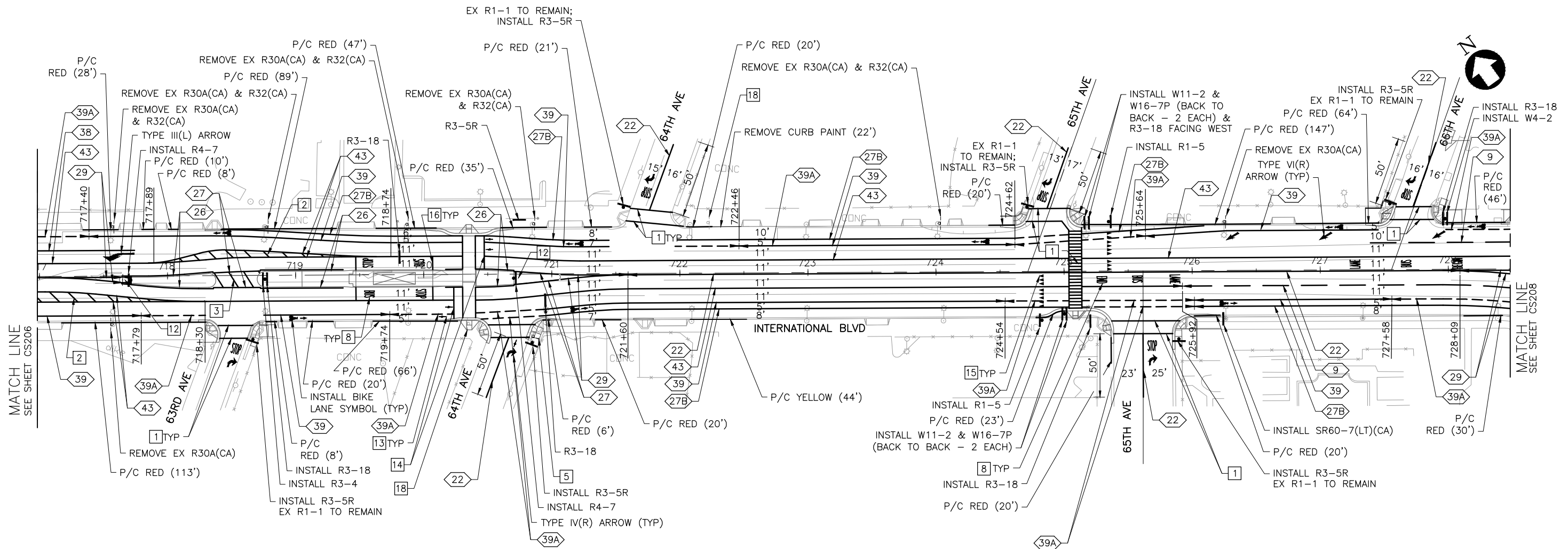
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 42ND AVE TO HEGENBERGER EXPWY, SHEET 6 OF 9

CADD FILENAME BRT-CS-206-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS206	SHEET NO. 724

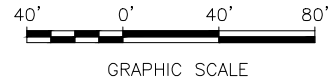
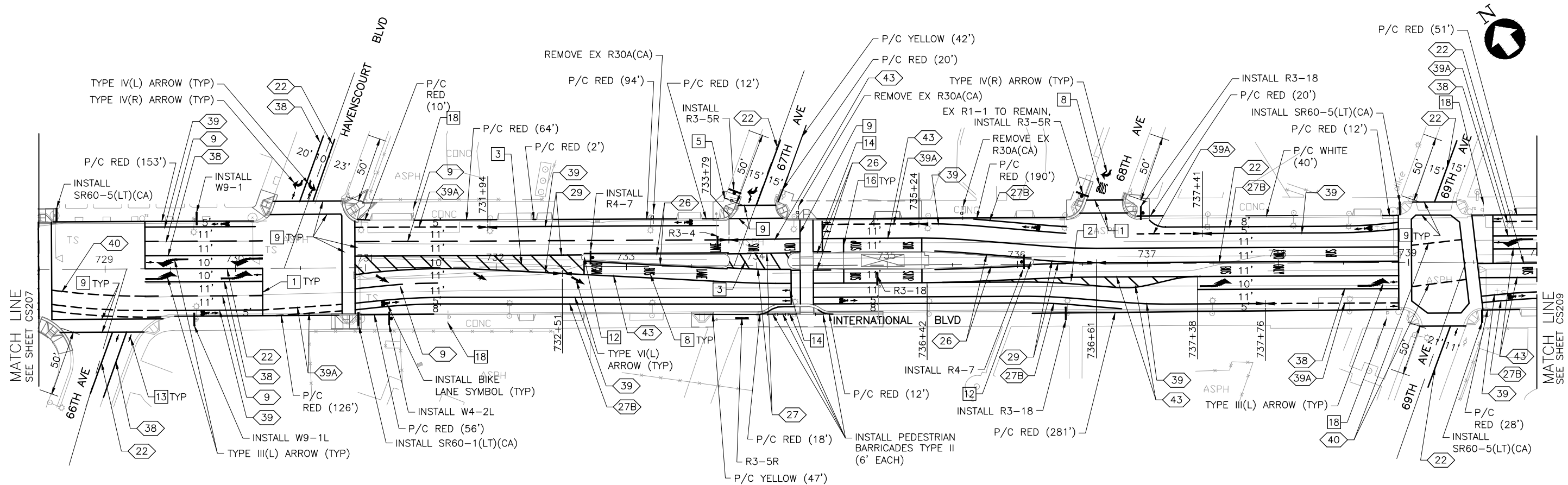
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1 REV. DATE	20151223 ADDENDUM # : REVISED SHEET DESCRIPTION	DESIGNED: B. LEE		IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _FLS_ _SS_ _ DATE ACS: Janet McFarland	ALAMEDA - CONTRA COSTA TRANSIT DISTRICT East Bay Bus Rapid Transit	EAST BAY BUS RAPID TRANSIT PROJECT SIGNING AND STRIPING PLAN INTERNATIONAL BLVD 42ND AVE TO HEGENBERGER EXPWY, SHEET 7 OF 9	CADD FILENAME BRT-CS-207-1.dwg
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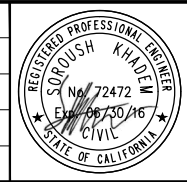
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1	20151223	ADDENDUM # : REVISED SHEET
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B. LEE
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C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
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 DATE _____
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

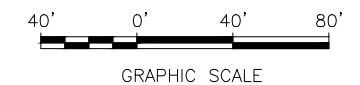
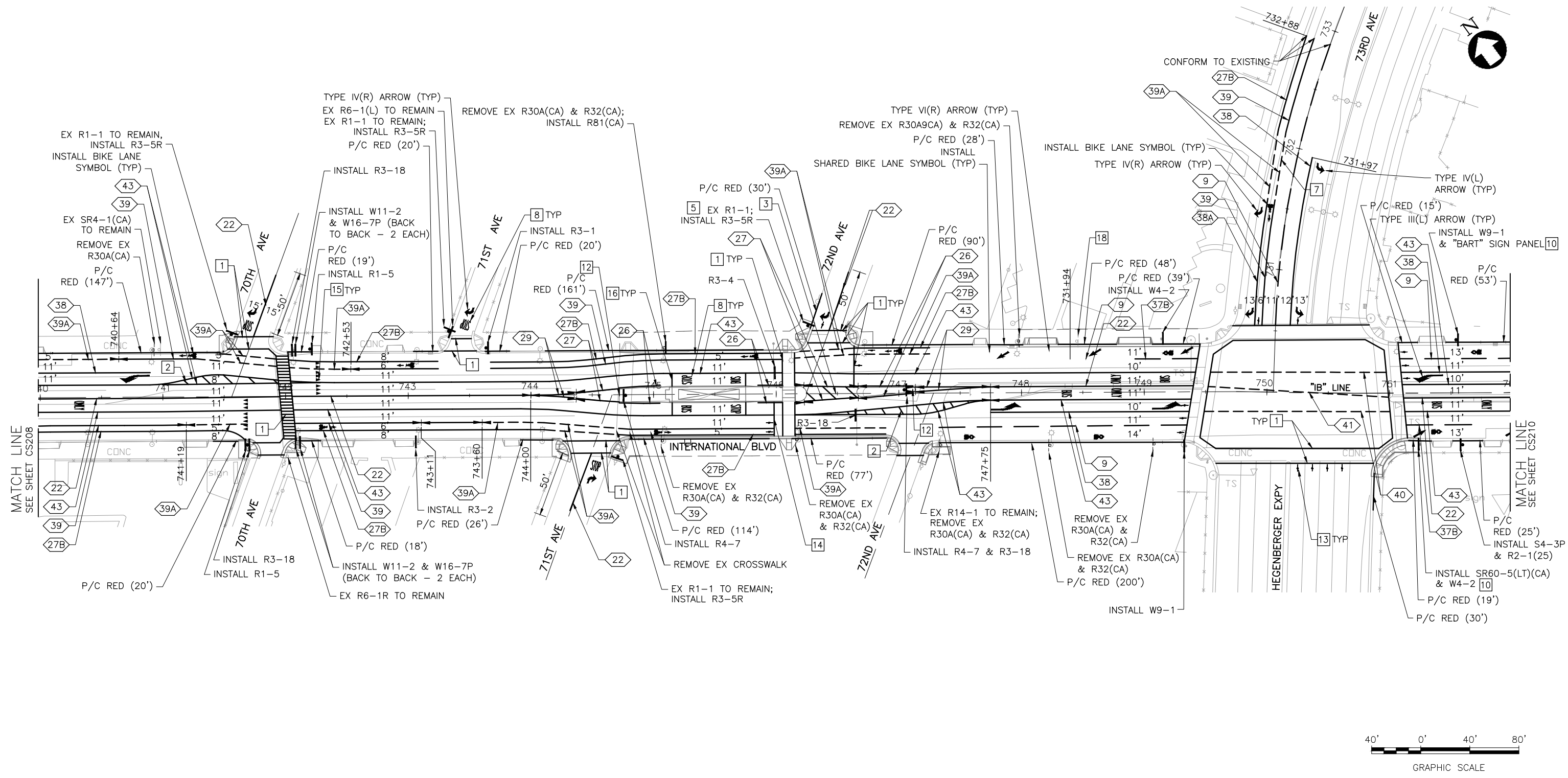
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 42ND AVE TO HEGENBERGER EXPWY, SHEET 8 OF 9

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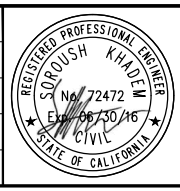
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1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
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CHECKED:
S. KHADEM
APPROVED:
C. SEGUR
DATE:
20151223



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE #
APP #01-115240
AC_ _FLS_ _SS_ _
DATE
ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

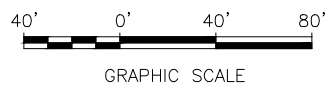
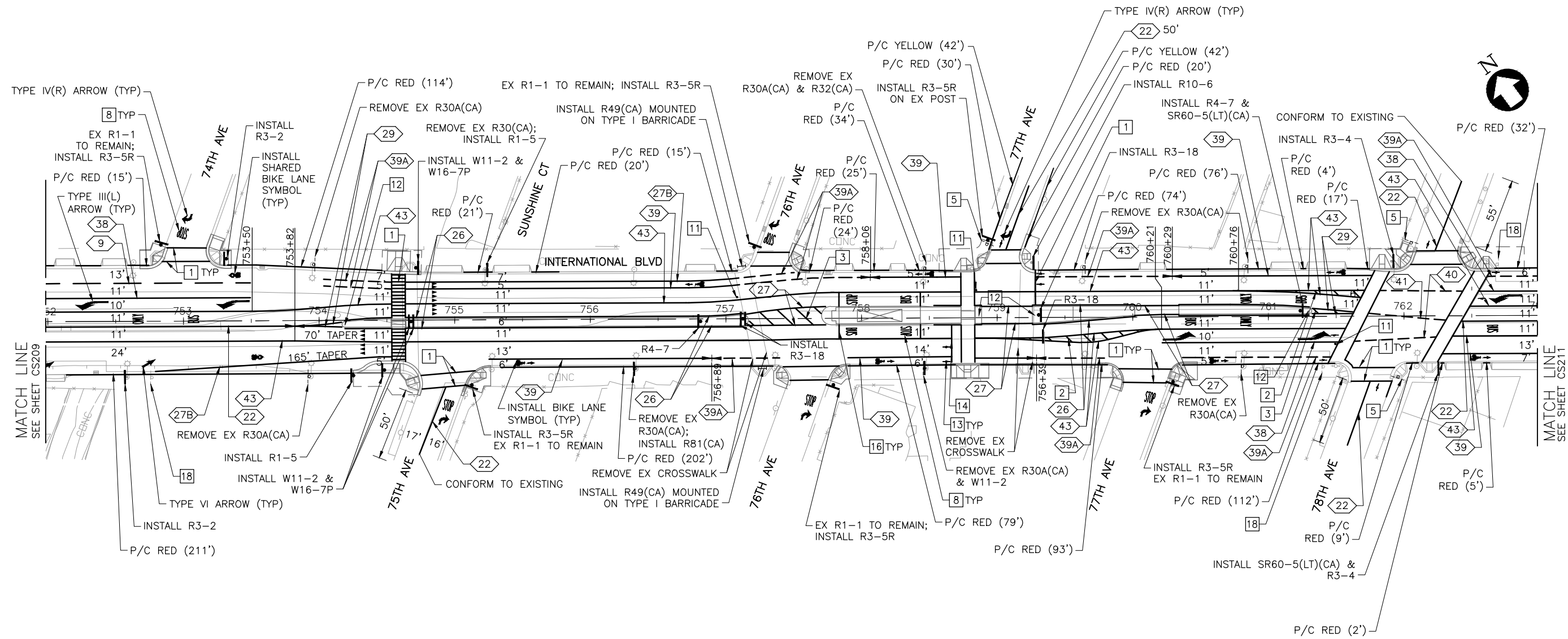
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
INTERNATIONAL BLVD
42ND AVE TO HEGENBERGER EXPWY, SHEET 9 OF 9

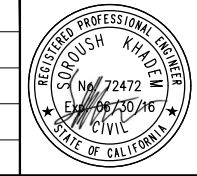
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CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS209	SHEET NO. 727

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1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION



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 DRAWN: P. LIAO
 CHECKED: S. KHADEM
 APPROVED: C. SEGUR
 DATE: 20151223

IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT

FILE #
 APP #01-115240

AC_ _FLS_ _SS_ _

DATE: _____

ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

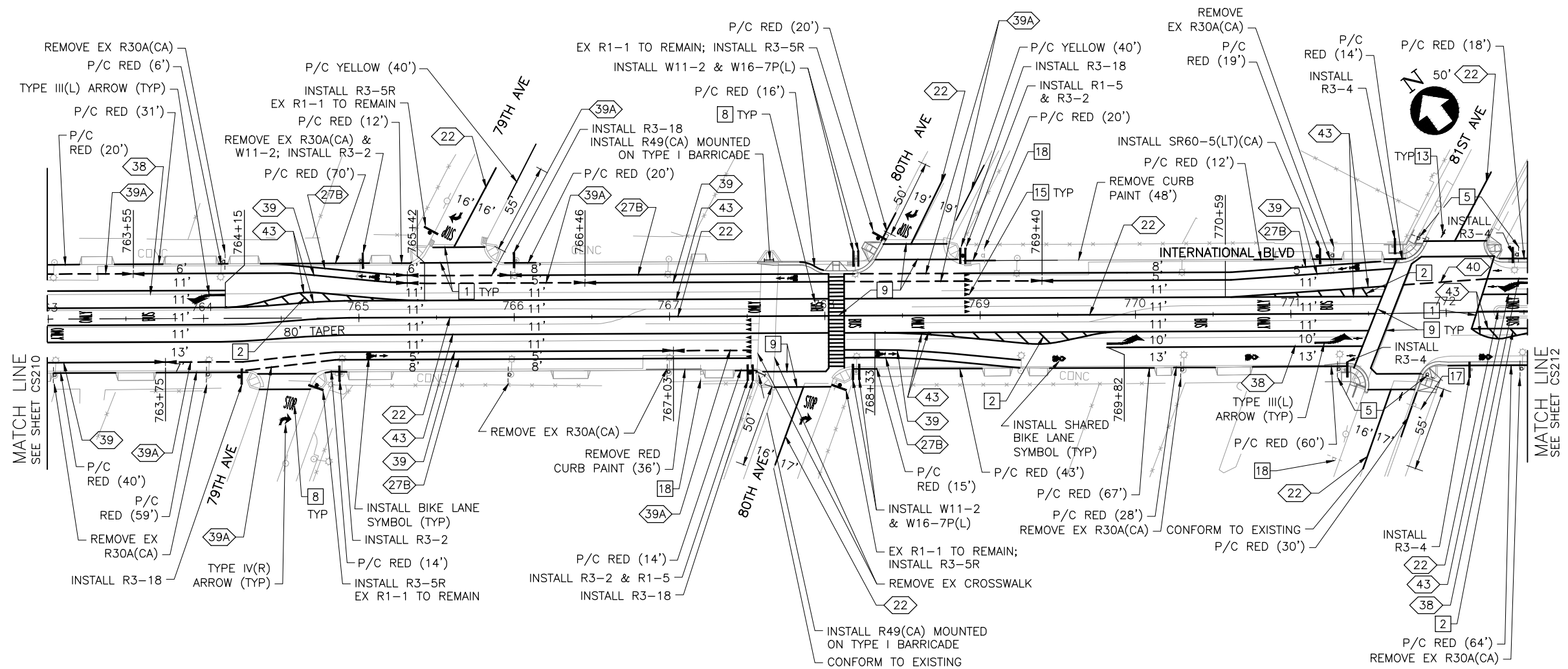
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 HEGENBERGER EXPWY TO BRISTOL BLVD, SHEET 1 OF 9

CADD FILENAME BRT-CS-210-1.dwg	
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DRAWING NO. CS210	SHEET NO. 728

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1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

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B. LEE
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P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
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 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

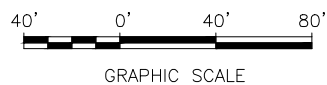
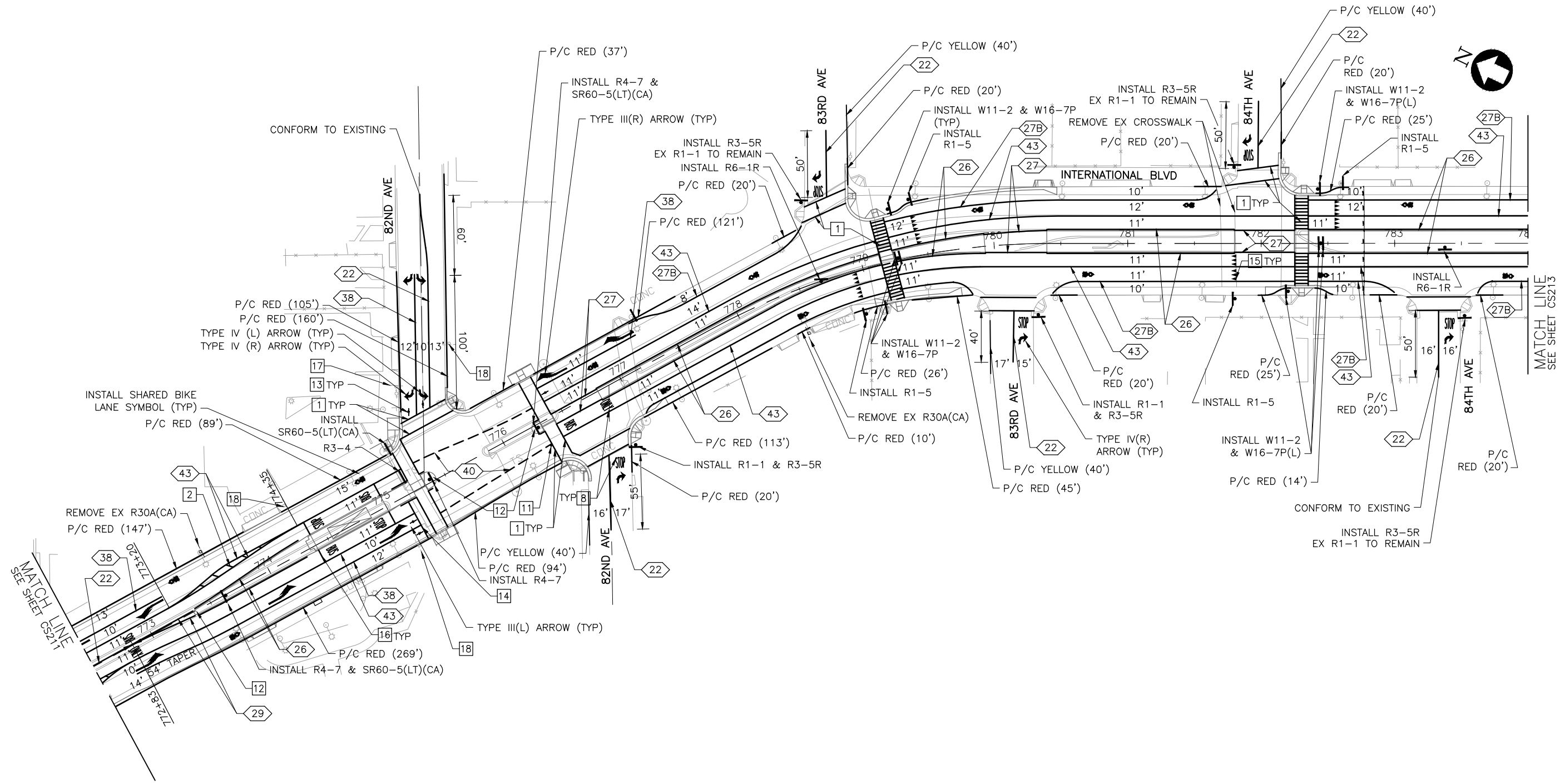
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 HEGENBERGER EXPWY TO BRISTOL BLVD, SHEET 2 OF 9

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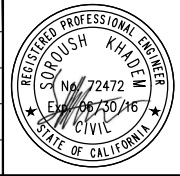
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1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
APP #01-115240
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 DATE _____
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

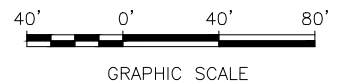
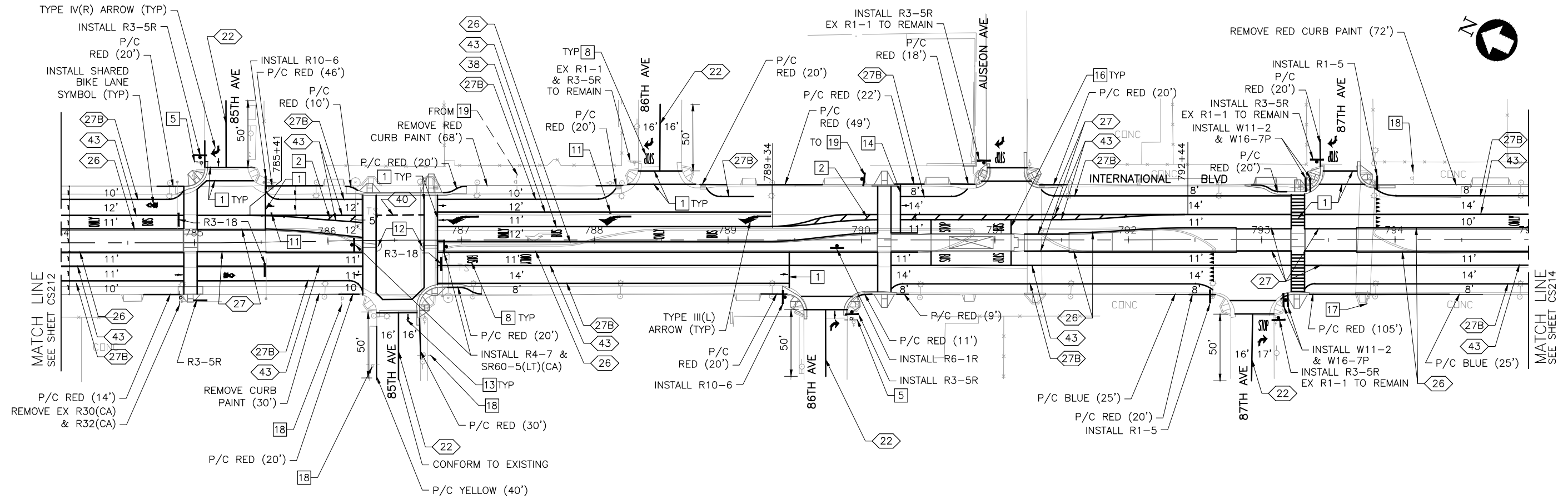
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 HEGENBERGER EXPWY TO BRISTOL BLVD, SHEET 3 OF 9

CADD FILENAME BRT-CS-212-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS212	SHEET NO. 730

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DESIGNED: B. LEE	
DRAWN: P. LIAO	
CHECKED: S. KHADEM	
APPROVED: C. SEGUR	
DATE: 20151223	
1 REV. DATE	ADDENDUM # : REVISED SHEET DESCRIPTION

IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _FLS_ _SS_ _ DATE ACS: Janet McFarland

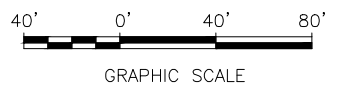
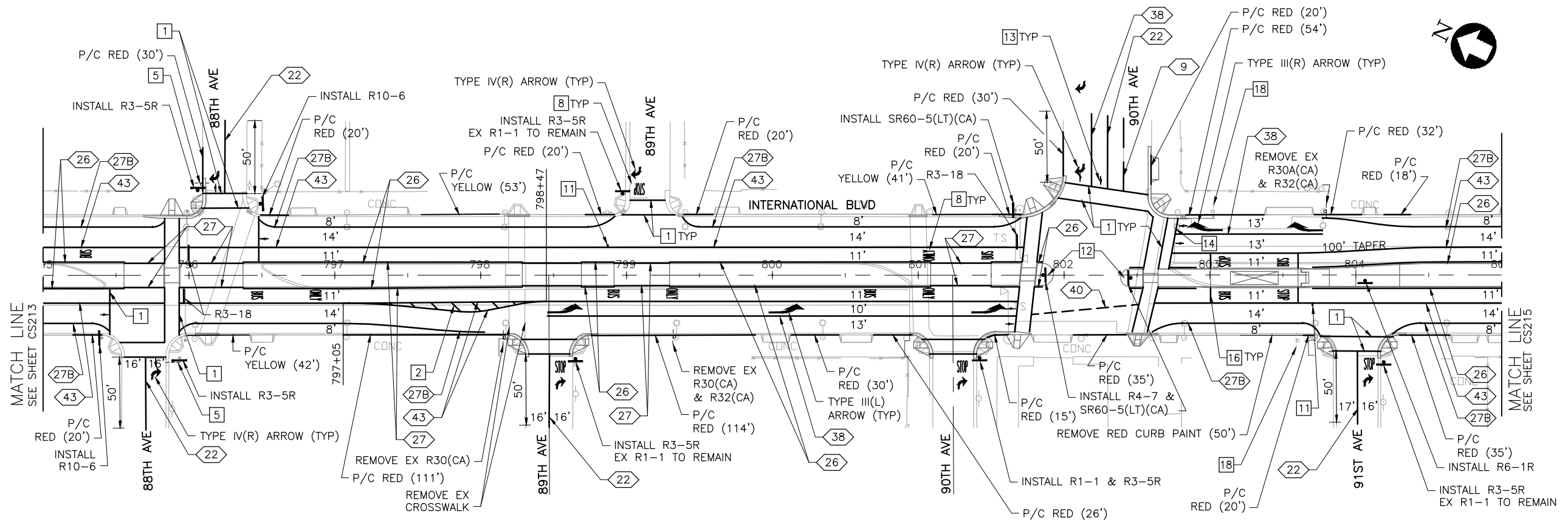
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 HEGENBERGER EXPY TO BRISTOL BLVD, SHEET 4 OF 9

CADD FILENAME BRT-CS-213-1.dwg	
SIZE D	SCALE 1" = 40'
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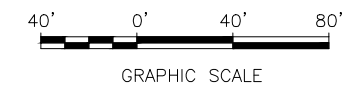
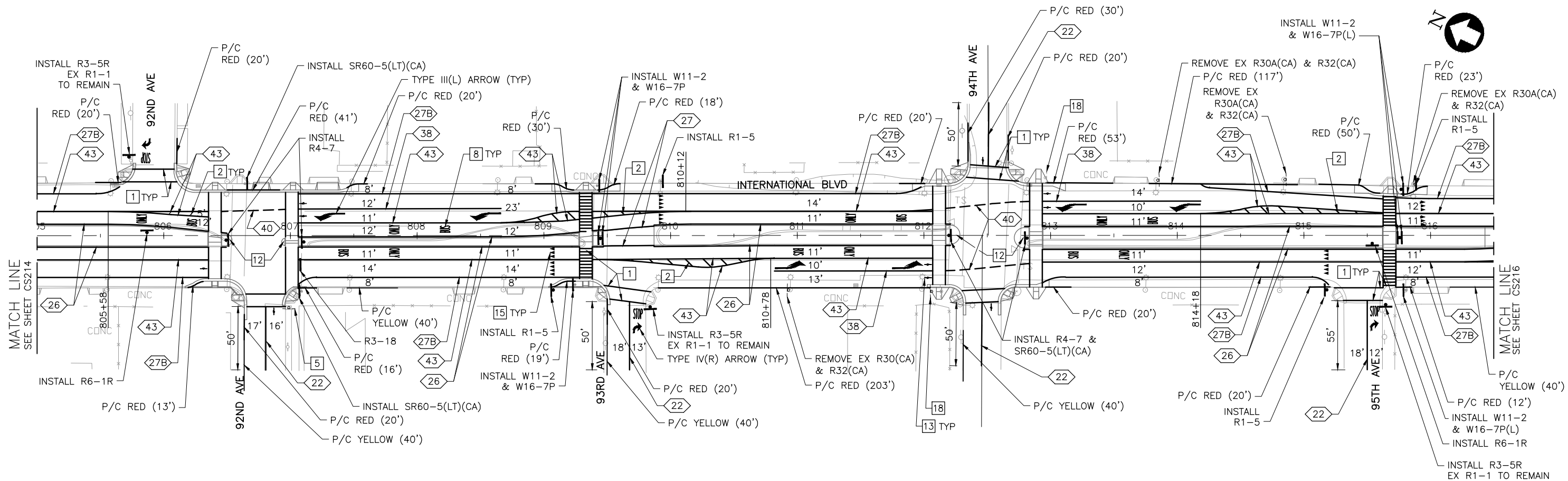


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DESIGNED: B. LEE DRAWN: P. LIAO CHECKED: S. KHADEM APPROVED: C. SEGUR DATE: 20151223			IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _FLS_ _SS_ _ DATE _____ ACS: Janet McFarland		ALAMEDA - CONTRA COSTA TRANSIT DISTRICT 		EAST BAY BUS RAPID TRANSIT PROJECT SIGNING AND STRIPING PLAN INTERNATIONAL BLVD HEGENBERGER EXPY TO BRISTOL BLVD, SHEET 5 OF 9		CADD FILENAME BRT-CS-214-1.dwg SIZE D SCALE 1" = 40' CONTRACT NO. 2011-1177 REV. 1 DRAWING NO. CS214 SHEET NO. 732	
1 REV. DATE	20151223 ADDENDUM # : REVISED SHEET DESCRIPTION									

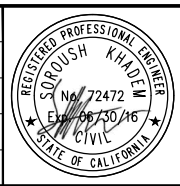
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _FLS_ _SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

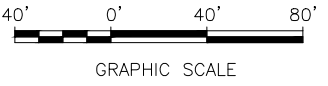
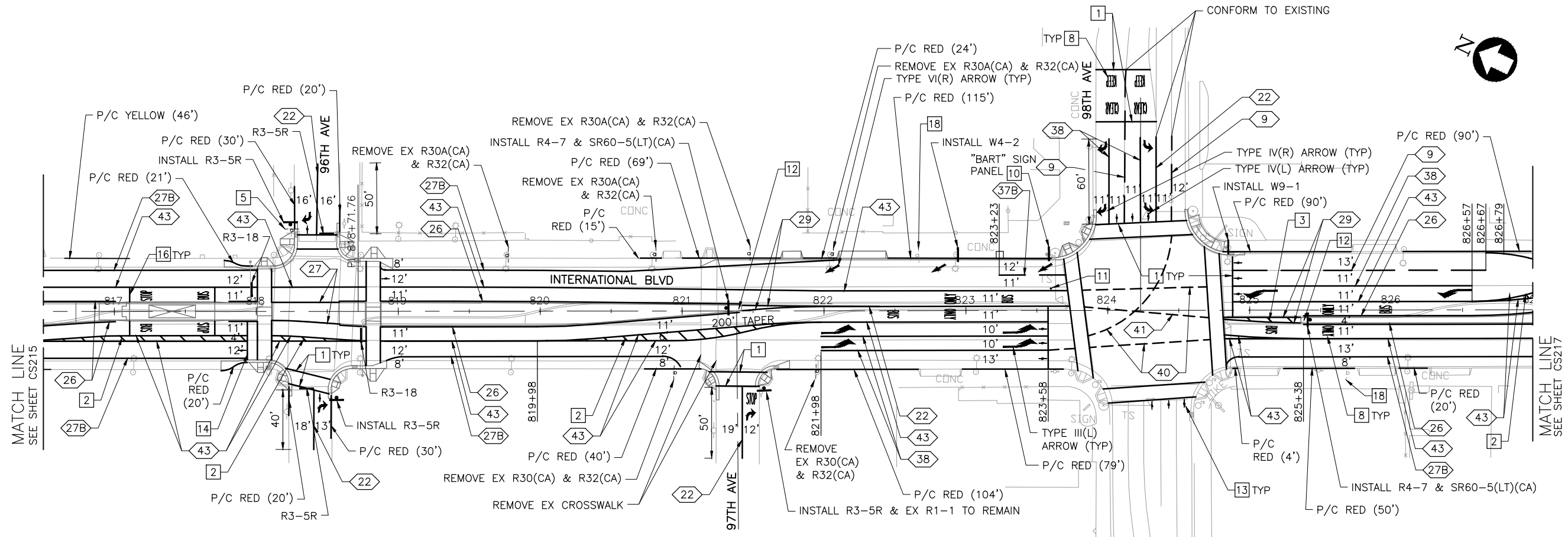
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 HEGENBERGER EXPWY TO BRISTOL BLVD, SHEET 6 OF 9

CADD FILENAME BRT-CS-215-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS215	SHEET NO. 733

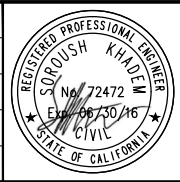
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _ FLS_ _ SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

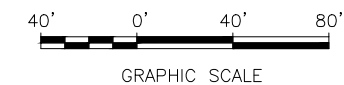
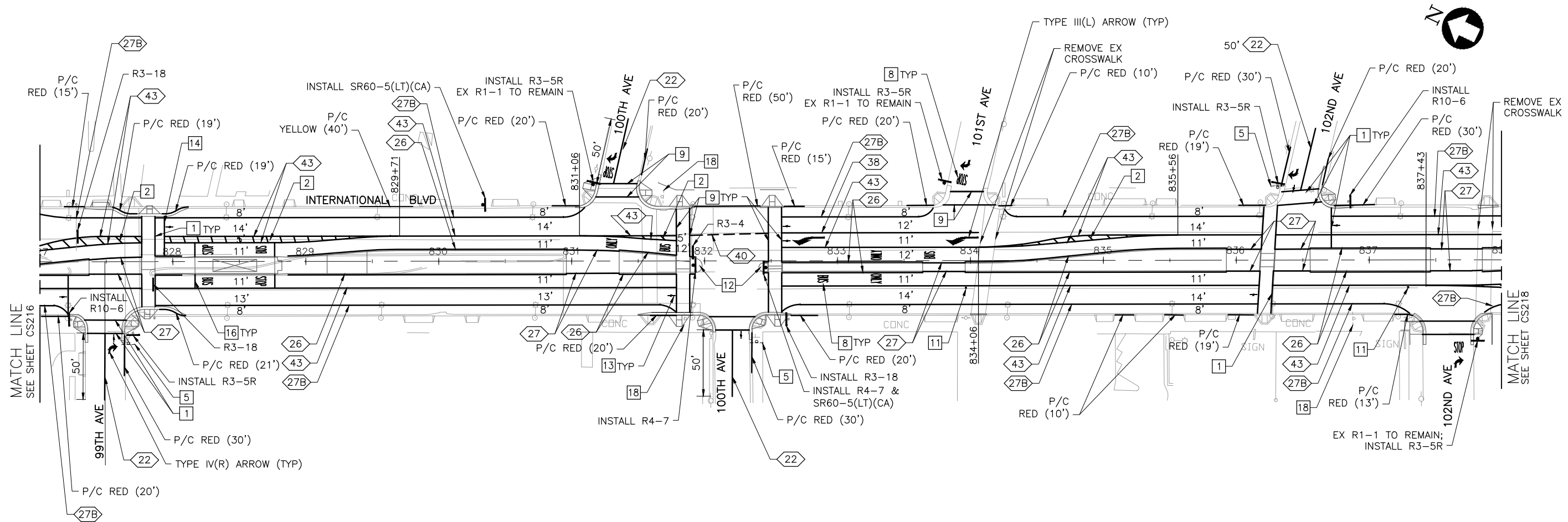
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 HEGENBERGER EXPWY TO BRISTOL BLVD, SHEET 7 OF 9

CADD FILENAME BRT-CS-216-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS216	SHEET NO. 734

I:\SF-FILES\GHS-Files\Projects\2012\AC_Transit_BRT - 12-1024\CADD\BP3 - RTL-ADD2_Signing_and_Striping\BRT-CS-217-1.dwg 12.16.2015 10:44am BY: blec



FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _ FLS_ _ SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

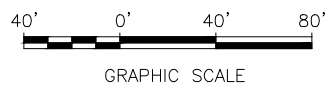
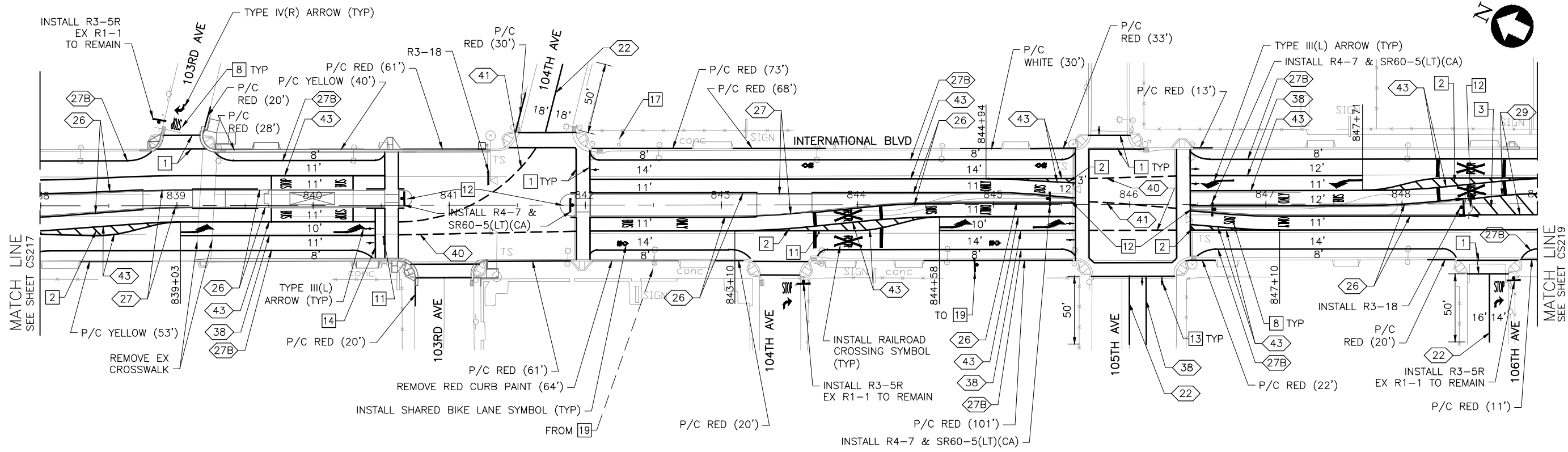
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 HEGENBERGER EXPY TO BRISTOL BLVD, SHEET 8 OF 9

CADD FILENAME BRT-CS-217-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS217	SHEET NO. 735

I:\SF-FILES\GHS-Files\Projects\2012\AC_Transit_BRT - 12-1024\CADD\BP3 - RTL-ADD2_Signing_and_Striping\BRT-CS-218-1.dwg 12.16.2015 10:45am BY: blec



FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



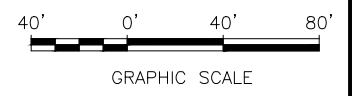
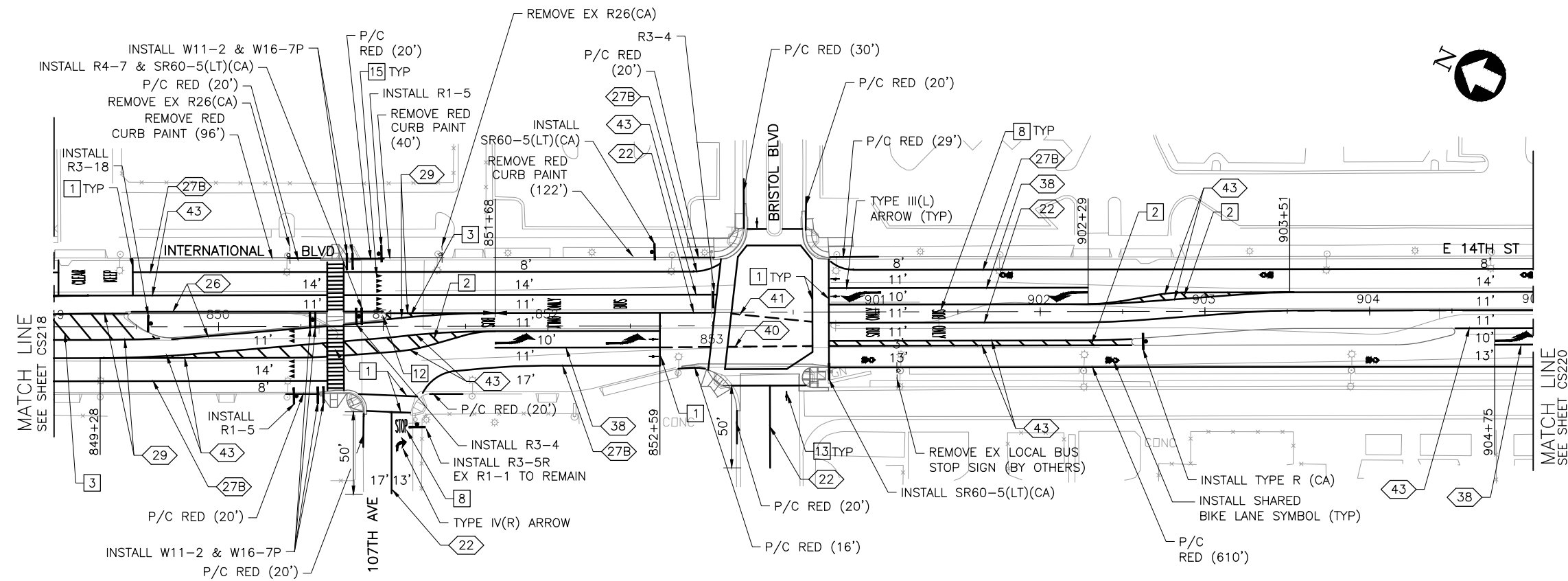
IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
APP #01-115240
 AC_ _ FLS_ _ SS_ _
 DATE _____
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 INTERNATIONAL BLVD
 HEGENBERGER EXPY TO BRISTOL BLVD, SHEET 9 OF 9

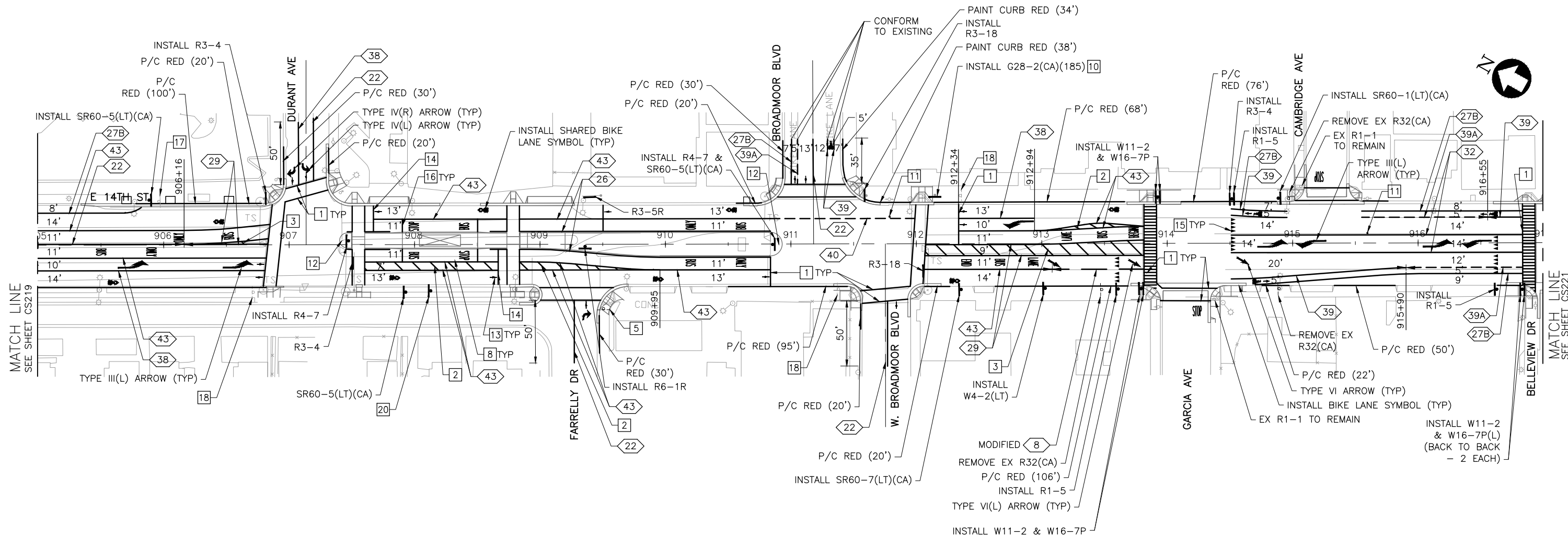
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SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS218	SHEET NO. 736



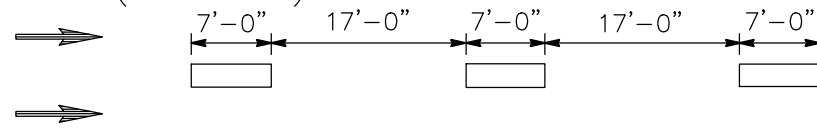
FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET	DESIGNED: B. LEE		IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _FLS_ _SS_ _ DATE ACS: Janet McFarland	ALAMEDA - CONTRA COSTA TRANSIT DISTRICT 	EAST BAY BUS RAPID TRANSIT PROJECT SIGNING AND STRIPING PLAN CITY OF SAN LEANDRO SHEET 1 OF 6	CADD FILENAME BRT-CS-219-1.dwg	
			DRAWN: P. LIAO					CHECKED: S. KHADEM	APPROVED: C. SEGUR

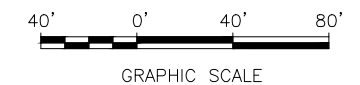
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DETAIL 8 (MODIFIED)



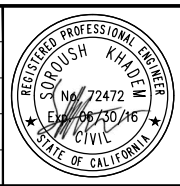
[White Box] 8" WHITE
 [Arrow] DIRECTION OF TRAVEL



FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _ FLS_ _ SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

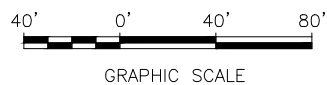
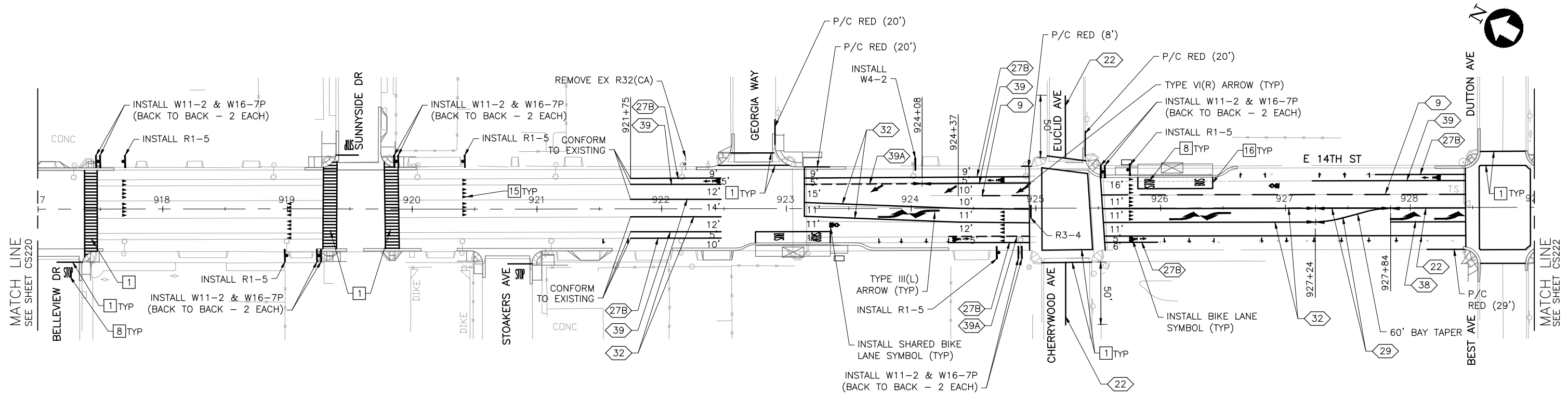
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
 CITY OF SAN LEANDRO
 SHEET 2 OF 6

CADD FILENAME BRT-CS-220-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS220	SHEET NO. 738

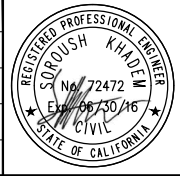
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



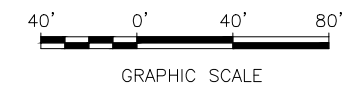
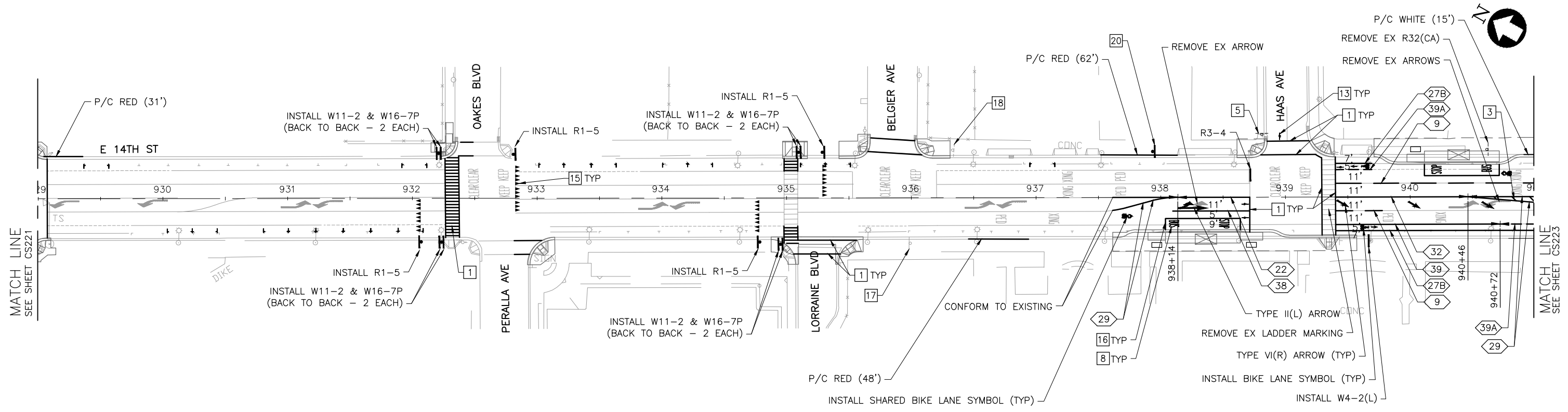
IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _FLS_ _SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT
 SIGNING AND STRIPING PLAN
 CITY OF SAN LEANDRO
 SHEET 3 OF 6

CADD FILENAME BRT-CS-221-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS221	SHEET NO. 739

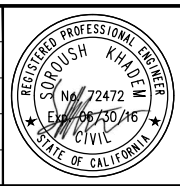
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
APP #01-115240
 AC_ _FLS_ _SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

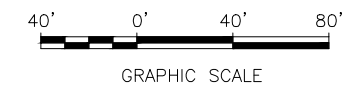
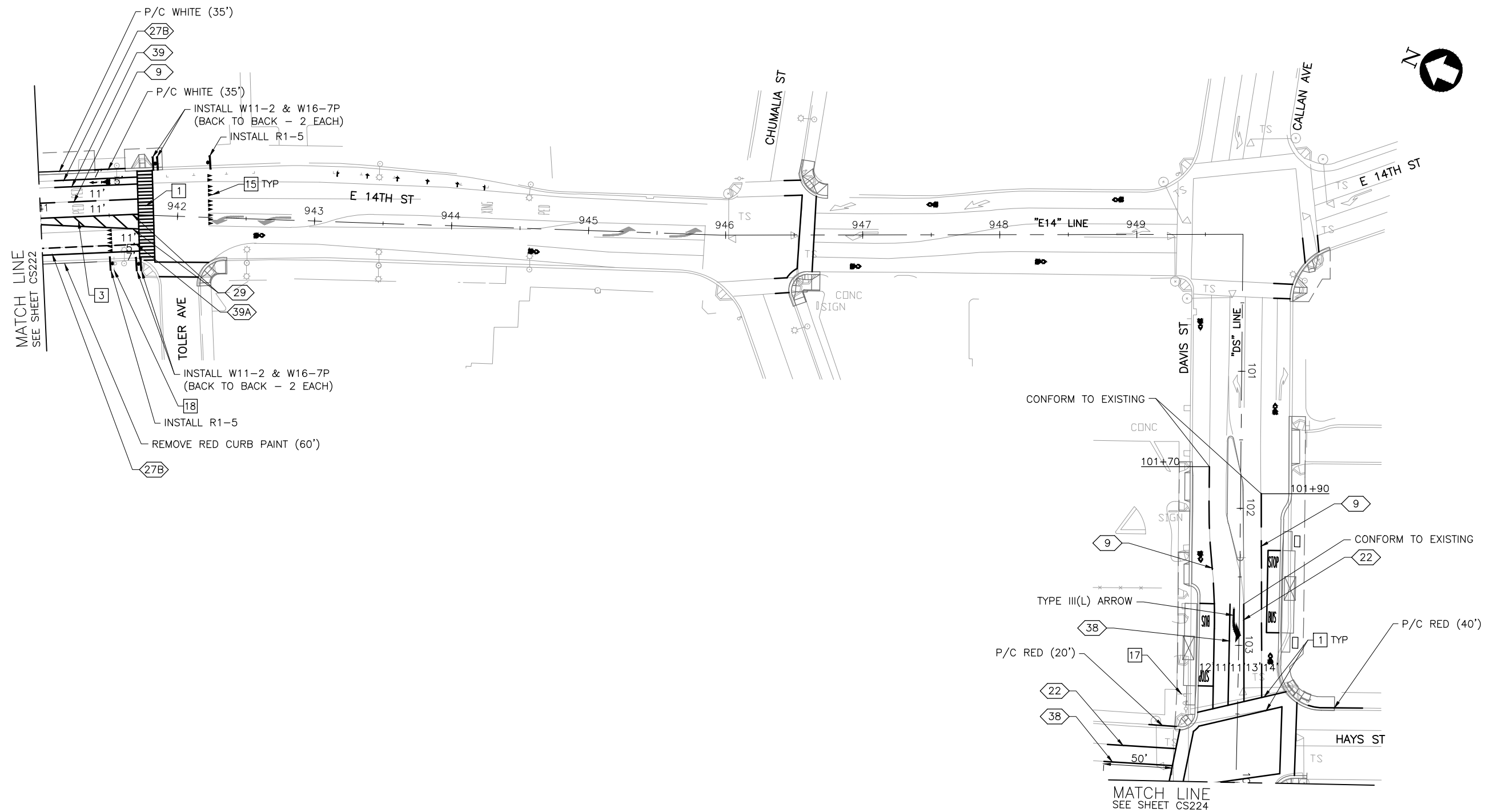
East Bay Bus Rapid Transit

EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
CITY OF SAN LEANDRO
SHEET 4 OF 6

CADD FILENAME BRT-CS-222-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS222	SHEET NO. 740

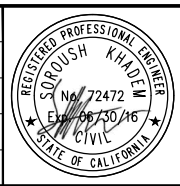
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FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
 DRAWN:
P. LIAO
 CHECKED:
S. KHADEM
 APPROVED:
C. SEGUR
 DATE:
20151223



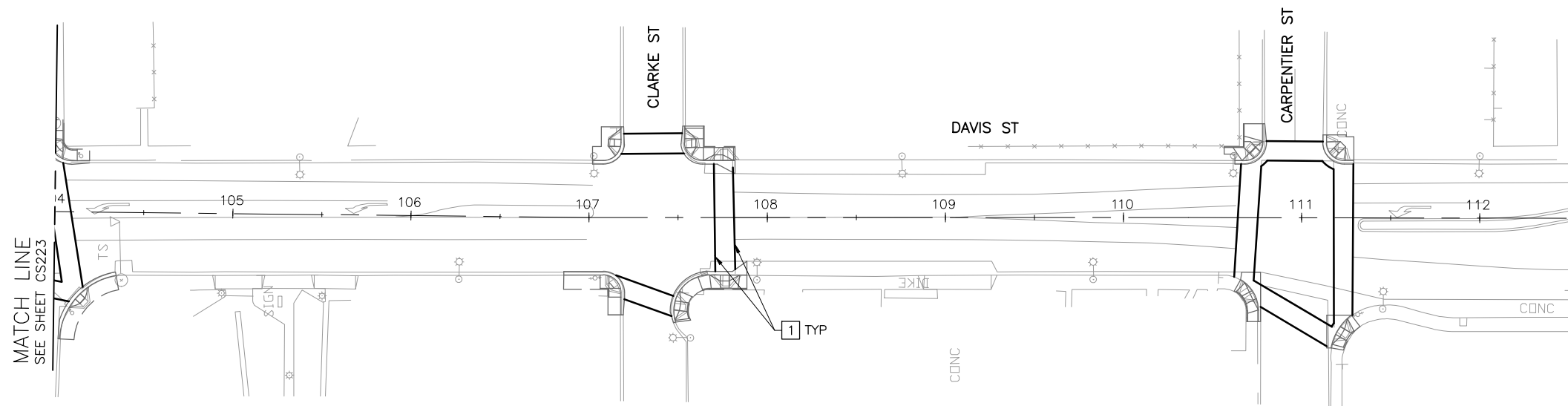
IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 FILE #
 APP #01-115240
 AC_ _ FLS_ _ SS_ _
 DATE
 ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT

EAST BAY BUS RAPID TRANSIT PROJECT
 SIGNING AND STRIPING PLAN
 CITY OF SAN LEANDRO
 SHEET 5 OF 6

CADD FILENAME BRT-CS-223-1.dwg	
SIZE D	SCALE 1" = 40'
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS223	SHEET NO. 741

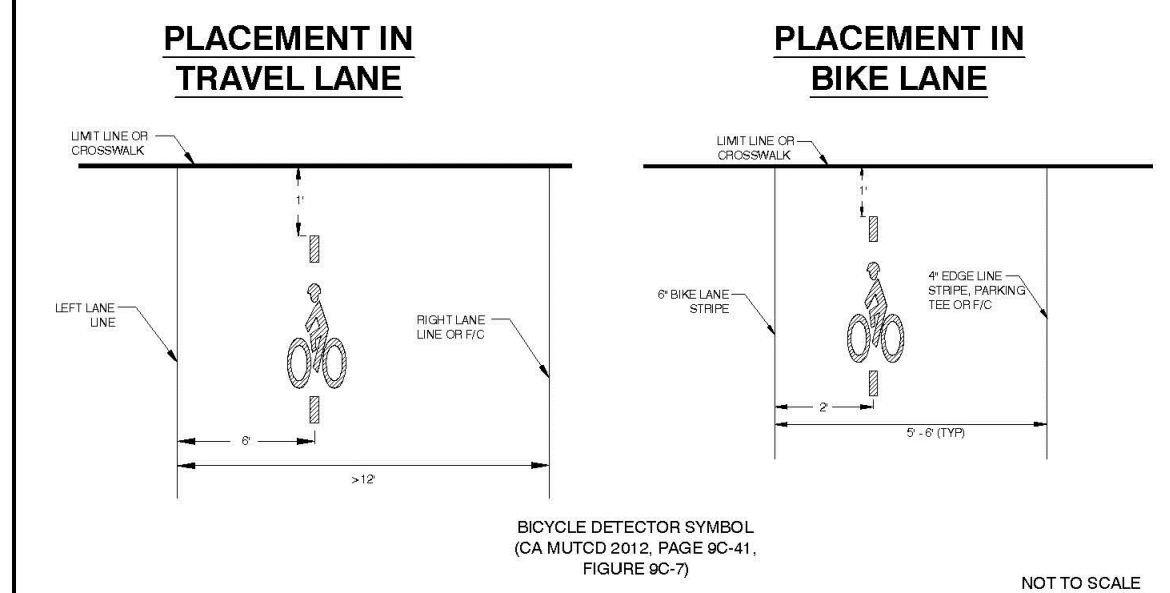
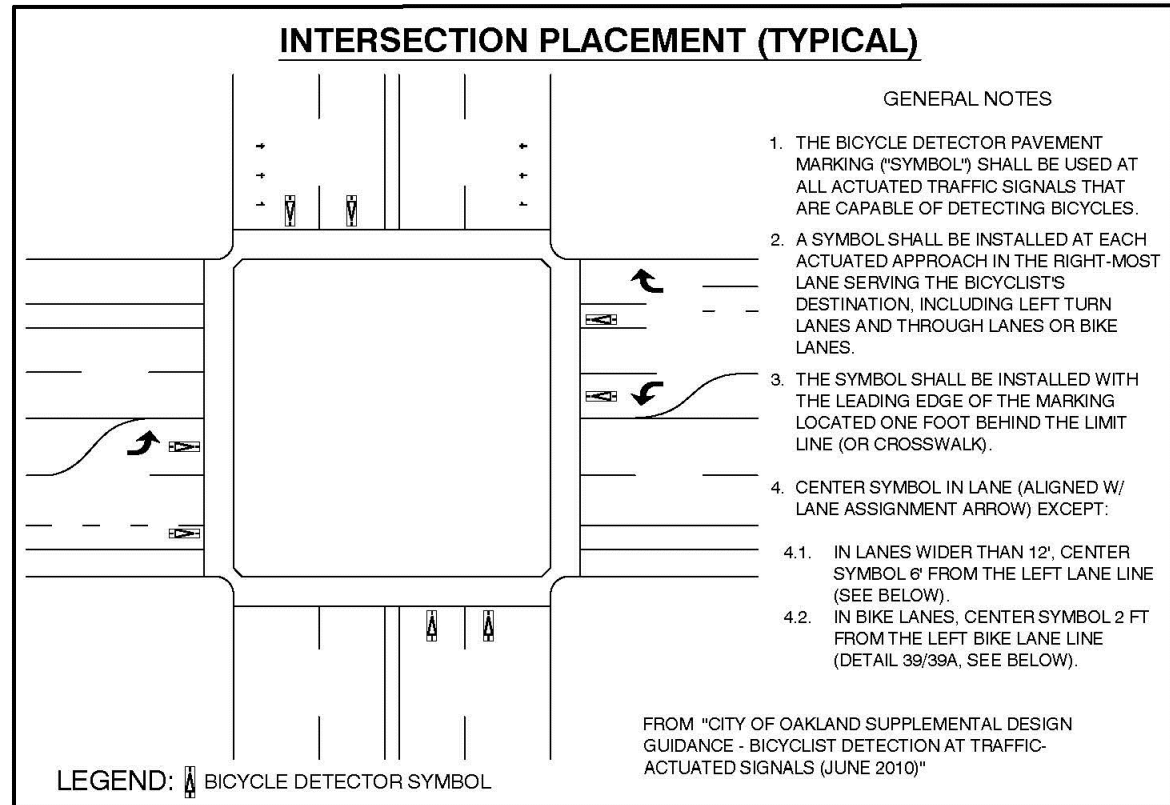
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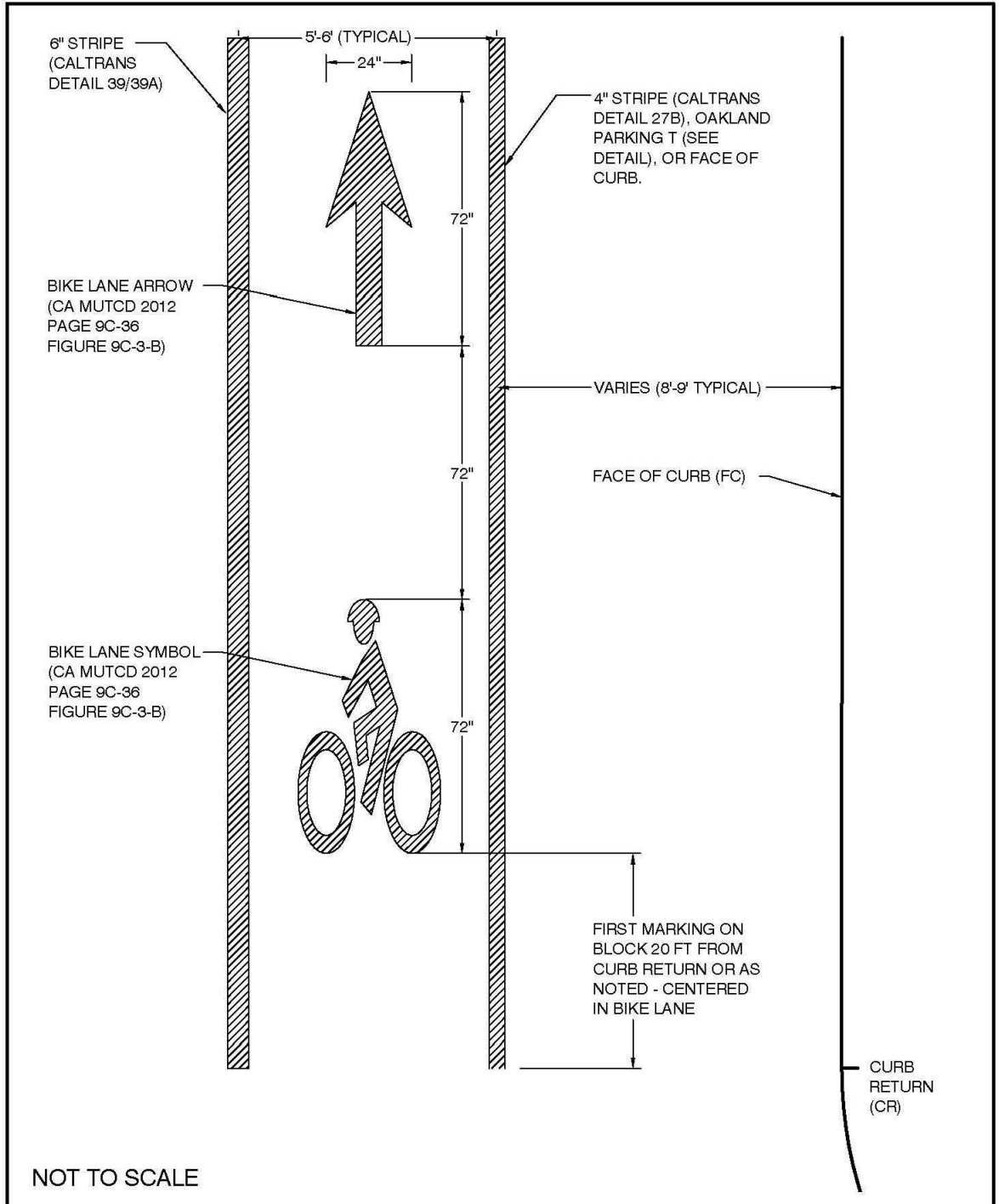
FOR LEGEND, GENERAL AND CONSTRUCTION NOTES, SEE SHEET CS005.

1	20151223	ADDENDUM # : NEW SHEET	DESIGNED: B. LEE		IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _ FLS_ _ SS_ _ DATE ACS: Janet McFarland	ALAMEDA - CONTRA COSTA TRANSIT DISTRICT 	EAST BAY BUS RAPID TRANSIT PROJECT SIGNING AND STRIPING PLAN CITY OF SAN LEANDRO SHEET 6 OF 6	CADD FILENAME BRT-CS-224-1.dwg	
			DRAWN: P. LIAO					SIZE D	SCALE 1" = 40'
REV.	DATE	DESCRIPTION	CHECKED: S. KHADEM					CONTRACT NO. 2011-1177	REV. 1
			APPROVED: C. SEGUR					DRAWING NO. CS224	SHEET NO. 741a

\\SF-FILES\GHS-Files\Projects\2012\AC_Transit_BRT - 12-1024\CADD\BP3 - RTL-ADD2_Signing_and_Striping\BRT-CS-301-1.dwg 12.16.2015 10:48am BY: blee



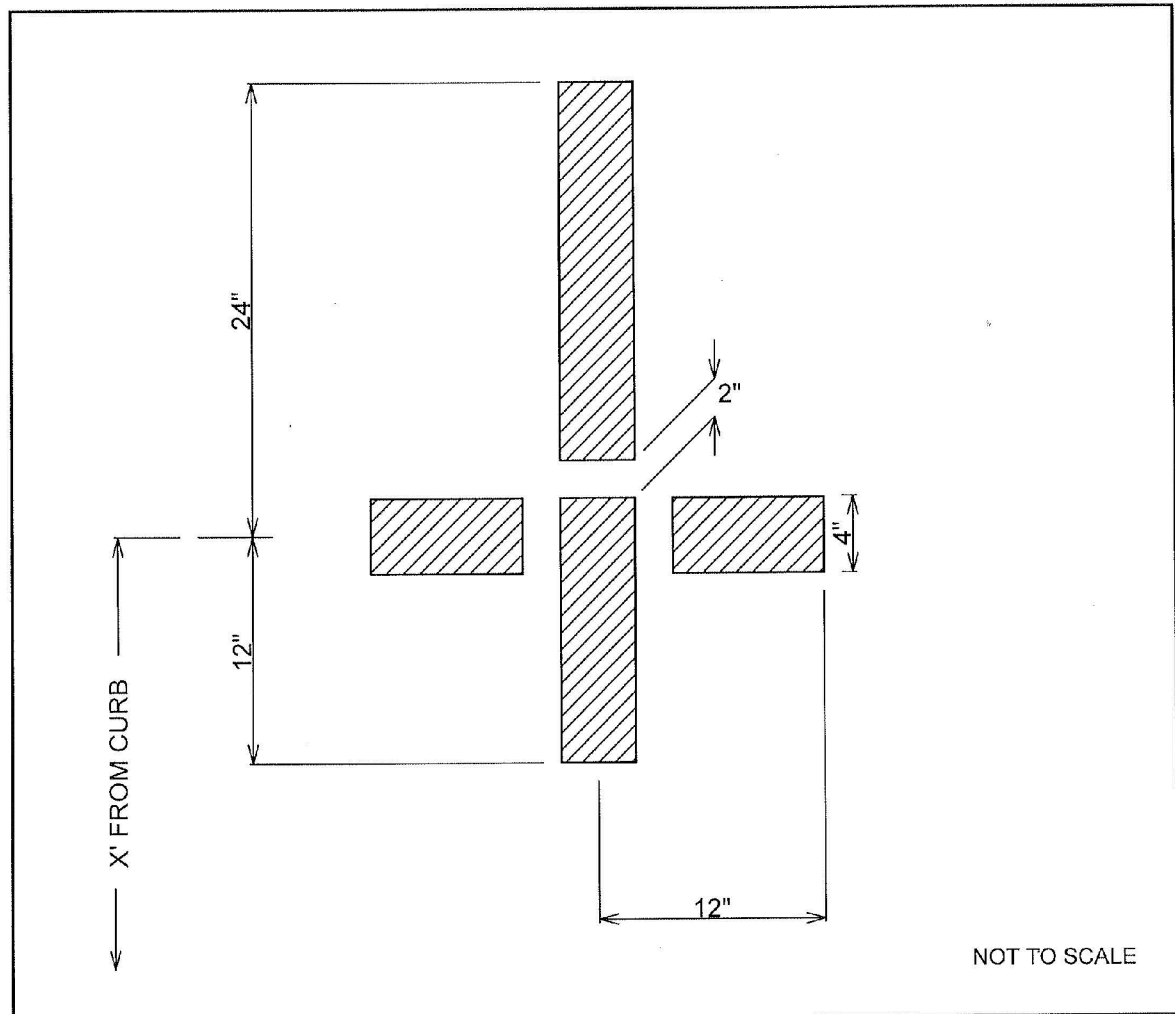
CITY OF OAKLAND	DEPARTMENT OF ENGINEERING AND CONSTRUCTION
	BICYCLE DETECTOR PAVEMENT MARKING FOR ACTUATED TRAFFIC SIGNALS
DATE: JUNE 2010 REV. DATE: DECEMBER 2012	DWG. X-1



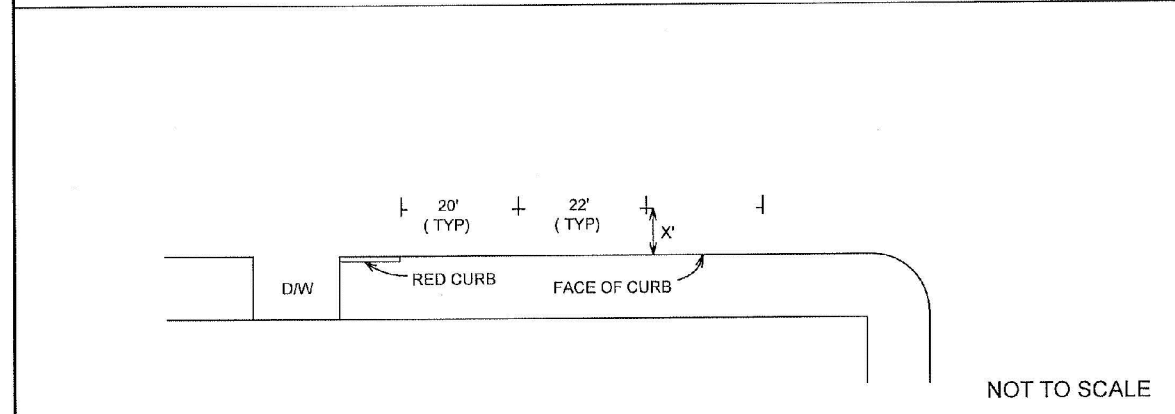
CITY OF OAKLAND	DEPARTMENT OF ENGINEERING AND CONSTRUCTION
	BIKE LANE SYMBOL AND ARROW DETAIL
DATE: NOVEMBER 2012 REV. DATE:	DWG. X-1

DESIGNED: B. LEE DRAWN: P. LIAO CHECKED: S. KHADEM APPROVED: C. SEGUR DATE: 20151223		IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _FLS_ _SS_ _ DATE: _____ ACS: Janet McFarland	ALAMEDA - CONTRA COSTA TRANSIT DISTRICT 	EAST BAY BUS RAPID TRANSIT PROJECT 	CADD FILENAME: BRT-CS-301-1.dwg SIZE: D N/A SCALE CONTRACT NO. 2011-1177 REV. 1 DRAWING NO. CS301 SHEET NO. 742
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SF-FILES\GHS-Files\Projects\2012\AC_Transit_BRT - 12-1024\CADD\BP3 - RTL-ADD2_Signing_and_Striping\BRT-CS-302-1.dwg 12.16.2015 10:48am BY: blee

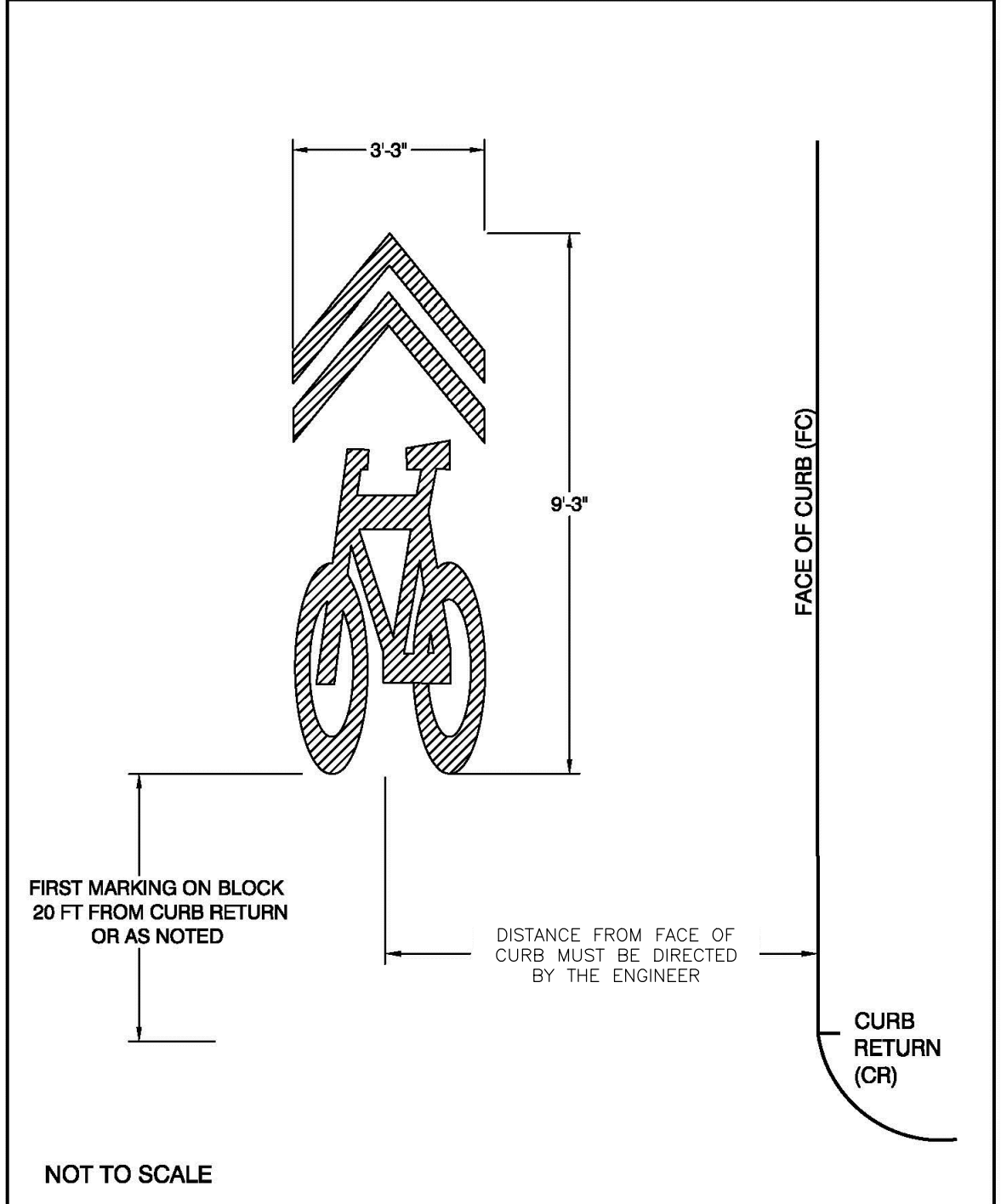


NOT TO SCALE



NOT TO SCALE

CITY OF OAKLAND	DEPARTMENT OF ENGINEERING AND CONSTRUCTION
	PARKING STALL "TEE"
<small>TRANSPORTATION DIVISION MANAGER</small> <small>DATE: APRIL 2009</small> <small>DWG. T-7</small> <small>REV. DATE:</small>	



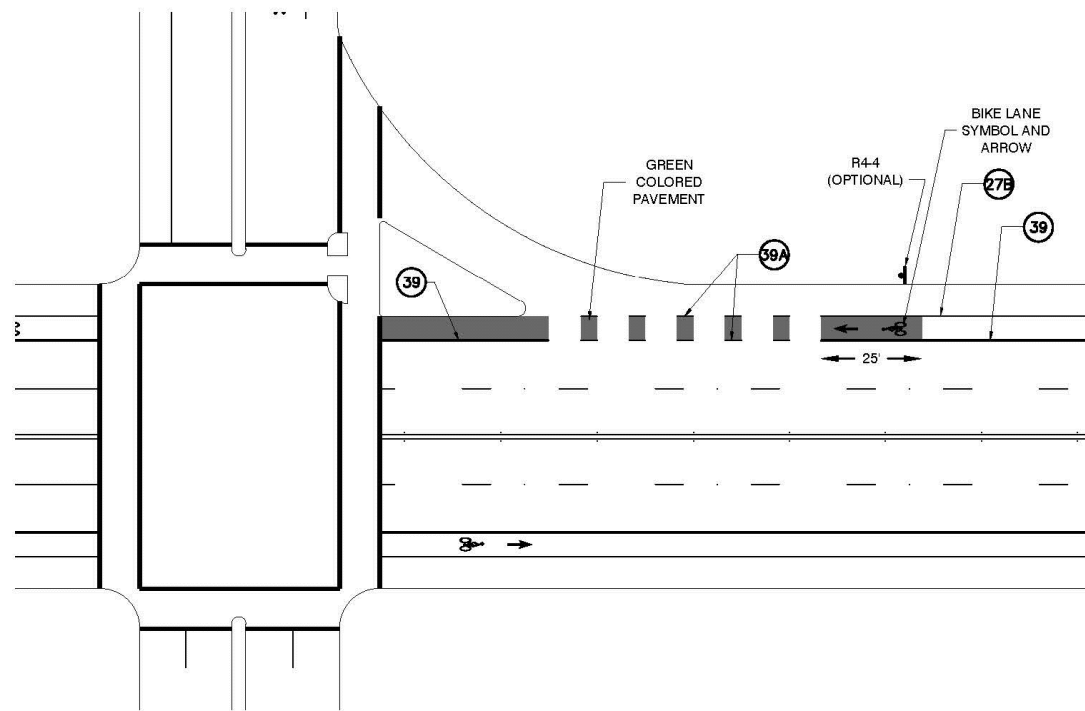
NOT TO SCALE

CITY OF OAKLAND	DEPARTMENT OF ENGINEERING AND CONSTRUCTION
	SHARED ROADWAY BICYCLE MARKING (SHARROW)
<small>DATE: JULY 2010</small> <small>DWG. X-1</small> <small>REV. DATE:</small>	

1 REV. DATE	20151223 ADDENDUM # : REVISED SHEET DESCRIPTION	DESIGNED: B. LEE DRAWN: P. LIAO CHECKED: S. KHADEM APPROVED: C. SEGUR DATE: 20151223	 IDENTIFICATION STAMP DIVISION OF THE STATE ARCHITECT FILE # APP #01-115240 AC_ _FLS_ _SS_ _ DATE ACS: Janet McFarland	ALAMEDA - CONTRA COSTA TRANSIT DISTRICT 	EAST BAY BUS RAPID TRANSIT PROJECT SIGNING AND STRIPING PLAN DETAILS	CADD FILENAME BRT-CS-302-1.dwg SIZE D N/A SCALE CONTRACT NO. 2011-1177 REV. 1 DRAWING NO. CS302 SHEET NO. 743
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I:\SF-FILES\GHS-Files\Projects\2012\AC_Transit_BRT - 12-1024\CADD\BP3 - RTL-ADD2_Signing_and_Striping\BRT-CS-303-1.dwg 12/16/2015 10:49am BY: blee

SLIP TURN - UPSTREAM (TYPE 1)



MUTCD R4-4 Sign

Policy:

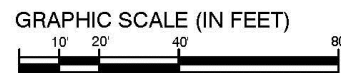
Green bike lanes may be used to alert bicyclists and motorists of a conflict zone where a continuous bike lane crosses a slip turn, a turn pocket opening, or an oblique intersection.

Striping:

The green bike lane should be installed for the length of the conflict zone. The treatment includes two bike lane skip stripes (Detail 39A), green color for the width of the bike lane, and a bike lane symbol/arrow.

Signage:

The R4-4 sign (Begin Right Turn Lane Yield to Bikes) may be used in conjunction with the green bike lane.



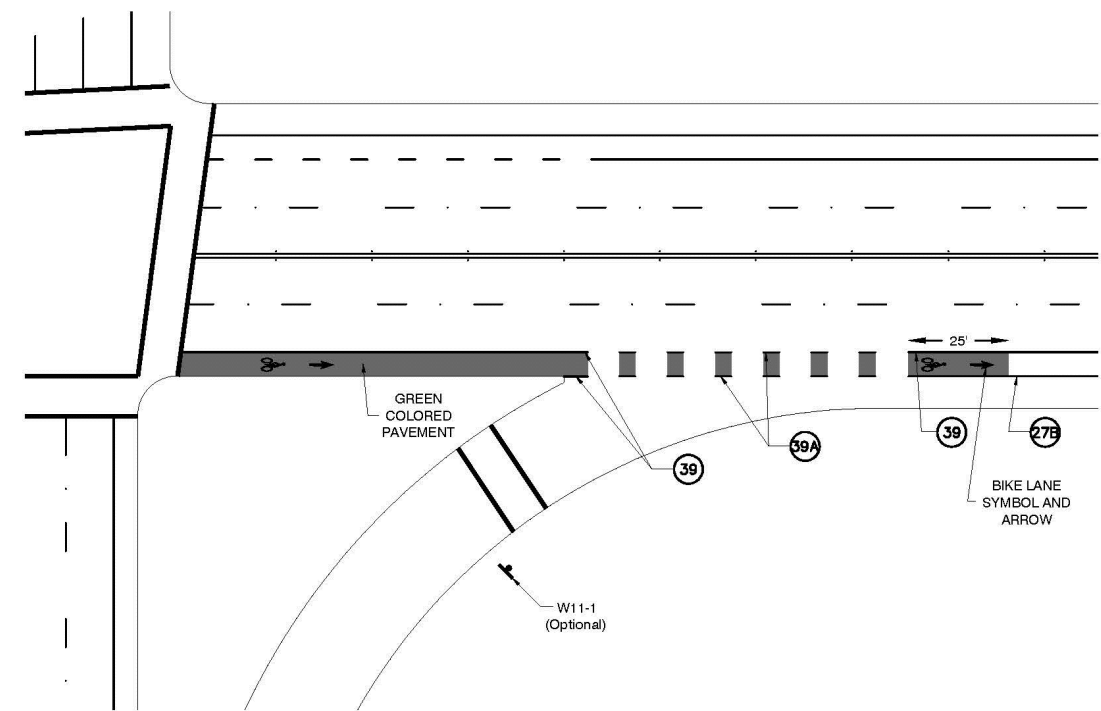
CITY OF OAKLAND DEPARTMENT OF ENGINEERING AND CONSTRUCTION



GREEN BIKE LANE

DATE: January 2014 DWG. G-1
REV. DATE: _____

SLIP TURN - DOWNSTREAM (TYPE 2)



MUTCD W11-1 Sign

Policy:

Green bike lanes may be used to alert bicyclists and motorists of a conflict zone where a continuous bike lane crosses a slip turn, a turn pocket opening, or an oblique intersection.

Striping:

The green bike lane should be installed for the length of the conflict zone. The treatment includes two bike lane skip stripes (Detail 39A), green color for the width of the bike lane, and a bike lane symbol/arrow.

Signage:

The W11-1 sign (Bicycle Traffic) may be used in conjunction with the green bike lane.



CITY OF OAKLAND DEPARTMENT OF ENGINEERING AND CONSTRUCTION

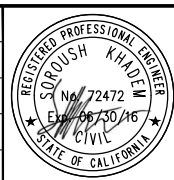


GREEN BIKE LANE

DATE: January 2014 DWG. G-2
REV. DATE: _____

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
DRAWN:
P. LIAO
CHECKED:
S. KHADEM
APPROVED:
C. SEGUR
DATE:
20151223



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE #
APP #01-115240
AC_ _ FLS_ _ SS_ _
DATE _____
ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT



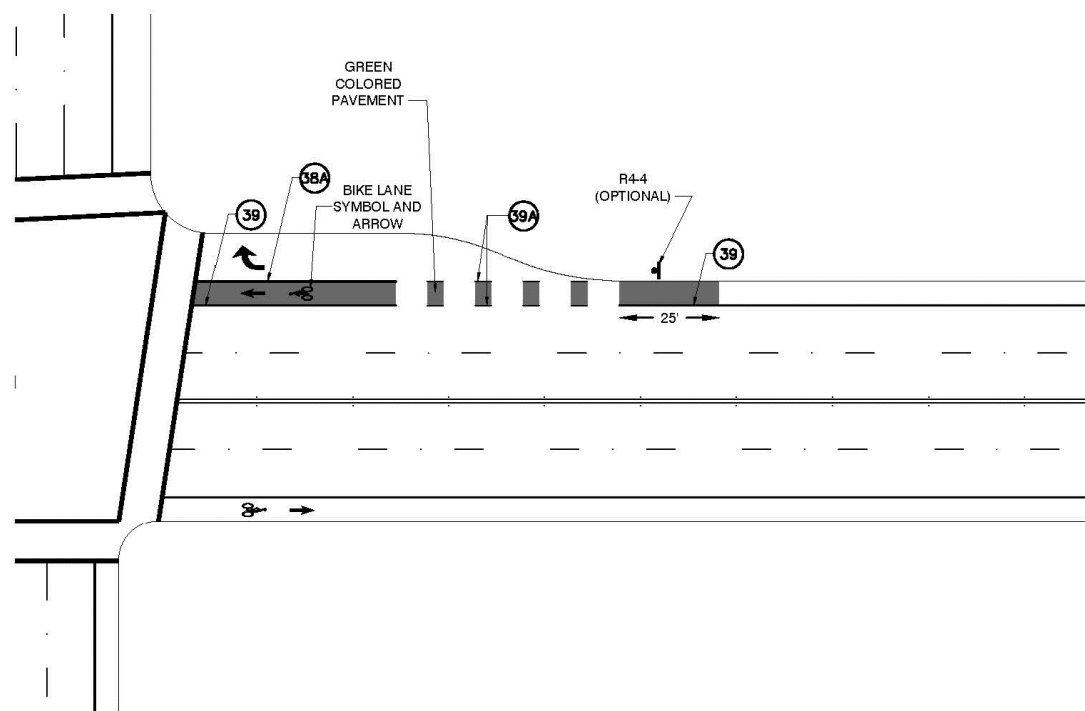
EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
DETAILS

CADD FILENAME BRT-CS-303-1.dwg	
SIZE D	SCALE N/A
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS303	SHEET NO. 744

\\SF-FILES\GHS-Files\Projects\2012\AC_Transit_BRT - 12-1024\CADD\BRT - RTL-ADD2_Signing_and_Striping\BRT-CS-304-1.dwg 12/16/2015 10:49am BY: blee

TURN POCKET (TYPE 3)



MUTCD R4-4 Sign

Policy:

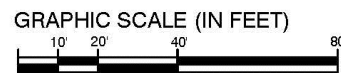
Green bike lanes may be used to alert bicyclists and motorists of a conflict zone where a continuous bike lane crosses a slip turn, a turn pocket opening, or an oblique intersection.

Striping:

The green bike lane should be installed for the length of the conflict zone. The treatment includes two bike lane skip stripes (Detail 39A), green color for the width of the bike lane, and a bike lane symbol/arrow.

Signage:

The R4-4 sign (Begin Right Turn Lane Yield to Bikes) may be used in conjunction with the green bike lane.



CITY OF OAKLAND

DEPARTMENT OF ENGINEERING AND CONSTRUCTION

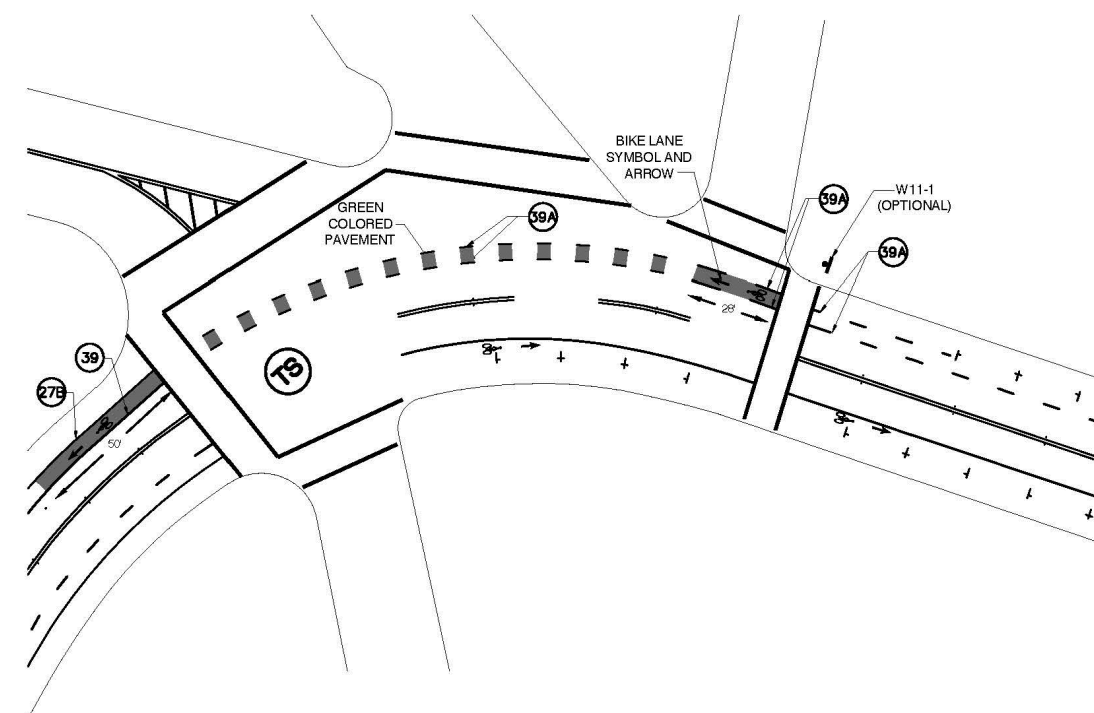


GREEN BIKE LANE

DATE: January 2014
REV. DATE:

DWG. G-3

OBLIQUE INTERSECTION (TYPE 4)



MUTCD W11-1 Sign

Policy:

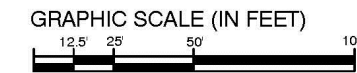
Green bike lanes may be used to alert bicyclists and motorists of a conflict zone where a continuous bike lane crosses a slip turn, a turn pocket opening, or an oblique intersection.

Striping:

The green bike lane should be installed for the length of the conflict zone. The treatment includes two bike lane skip stripes (Detail 39A), green color for the width of the bike lane, and a bike lane symbol/arrow.

Signage:

The W11-1 sign (Bicycle Traffic) may be used in conjunction with the green bike lane.



CITY OF OAKLAND

DEPARTMENT OF ENGINEERING AND CONSTRUCTION



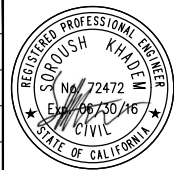
GREEN BIKE LANE

DATE: January 2014
REV. DATE:

DWG. G-4

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
DRAWN:
P. LIAO
CHECKED:
S. KHADEM
APPROVED:
C. SEGUR
DATE:
20151223



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE #
APP #01-115240
AC_ _ FLS_ _ SS_ _
DATE
ACS: Janet McFarland

ALAMEDA - CONTRA COSTA TRANSIT DISTRICT



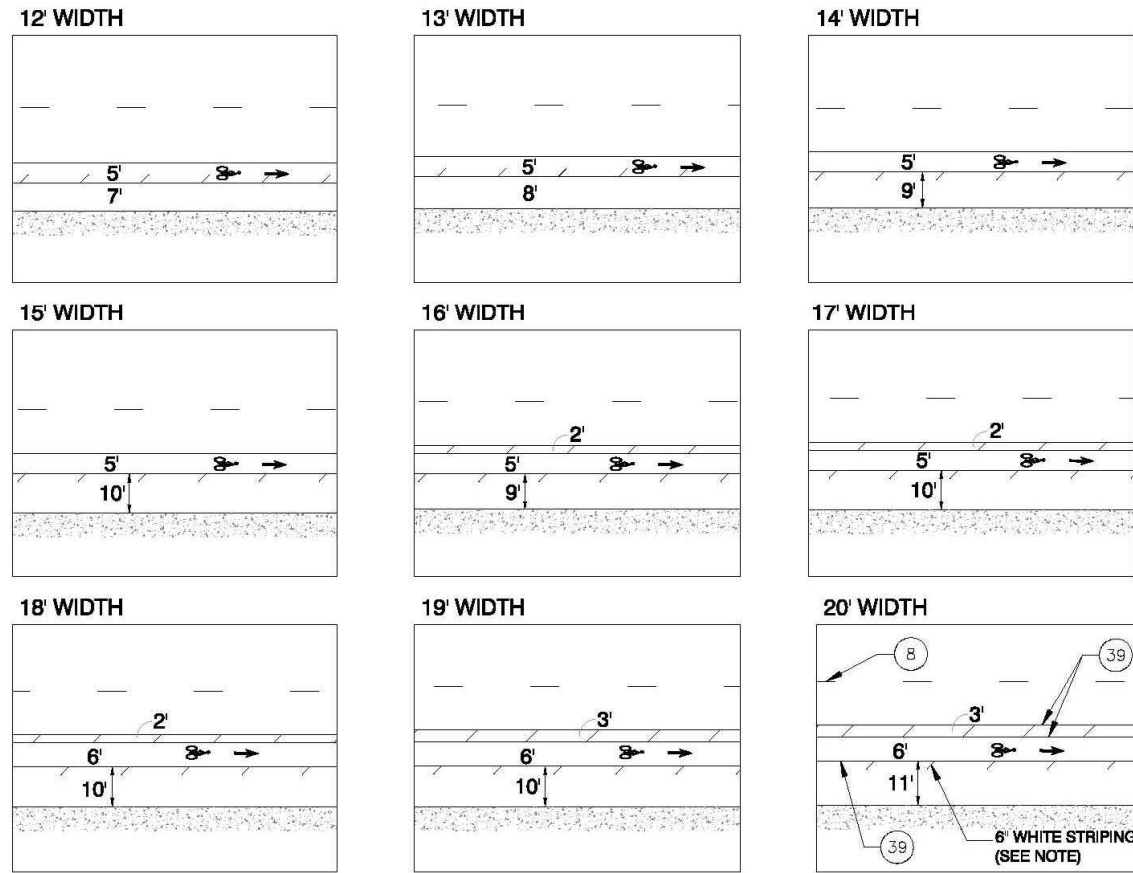
EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
DETAILS

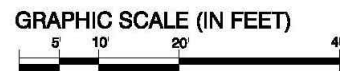
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SIZE D	SCALE N/A
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS304	SHEET NO. 745

I:\SF-FILES\GHS-Files\Projects\2012\AC_Transit_BRT - 12-1024\CADD\BP3 - RTL-ADD2_Signing_and_Striping\BRT-CS-305-1.dwg 12.16.2015 10:49am BY: blee

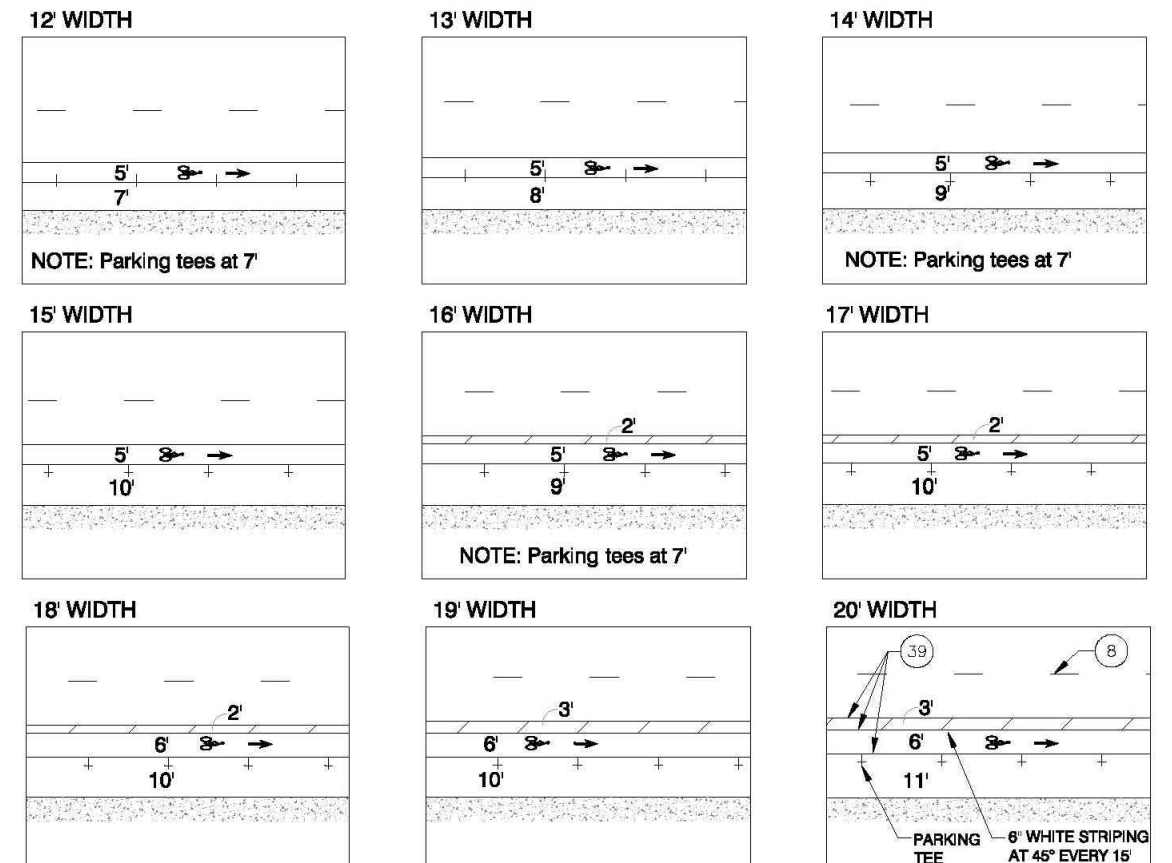
NON-METERED PARKING



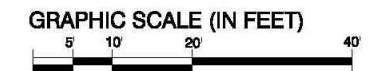
NOTE: Parking side buffer striping at 45° every 15', 2' in width measured perpendicular to curb line.



METERED PARKING



NOTE: Parking Tees at 8' from face-of-curb unless otherwise noted (e.g., see 12' width)



BIKE LANES FOR VARIOUS WIDTHS

PROJECT NO.
TBD

SCALE: 1" = 20'
SHEET NO.
1 OF 2
DATE: MAY 2014

DRAWING NAME: I:\WORK\BRT\Transportation\Bike_Plan\Program\Design_Guidance\Oakland\Bike_Lane_Widths.dwg
 PLOT DATE: 06-19-15
 PLOT BY: blee



BIKE LANES FOR VARIOUS WIDTHS

PROJECT NO.
TBD

SCALE: 1" = 20'
SHEET NO.
2 OF 2
DATE: MAY 2014

DRAWING NAME: I:\WORK\BRT\Transportation\Bike_Plan\Program\Design_Guidance\Oakland\Bike_Lane_Widths.dwg
 PLOT DATE: 06-19-15
 PLOT BY: blee

1	20151223	ADDENDUM # : REVISED SHEET
REV.	DATE	DESCRIPTION

DESIGNED:
B. LEE
DRAWN:
P. LIAO
CHECKED:
S. KHADEM
APPROVED:
C. SEGUR
DATE:
20151223



IDENTIFICATION STAMP
DIVISION OF THE STATE ARCHITECT
FILE #
APP #01-115240
AC_ _FLS_ _SS_ _
DATE
ACS: Janet McFarland

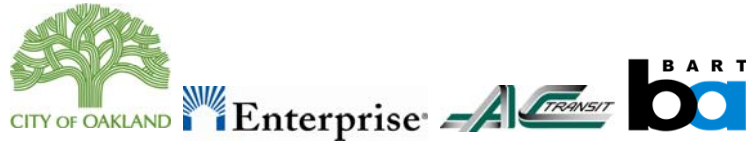
ALAMEDA - CONTRA COSTA TRANSIT DISTRICT



EAST BAY BUS RAPID TRANSIT PROJECT

SIGNING AND STRIPING PLAN
DETAILS

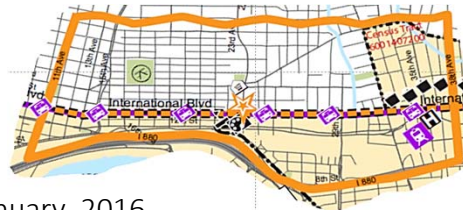
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SIZE D	SCALE N/A
CONTRACT NO. 2011-1177	REV. 1
DRAWING NO. CS305	SHEET NO. 745a









Affordable Housing Sustainable Communities (AHSC)

Snapshot: AHSC in 2016

- \$400M to award throughout state
- Oakland pipeline 6-12 projects
- Two-stage application process
- All investments for projects that reduce GHGs
- Significant point incentives for public-private partnerships
- Set-asides:
 - ✓ DACs
 - ✓ TOD (40%)
 - ✓ ICP (30%)
- Call for Projects Late January, 2016



AHSC Project type requirements

	REQUIRED CAPITAL PROJECT	ADD-ONS (1 required - more points w/ 2+)	
TOD ½ mile from High Quality Transit	Affordable Housing (AHD) or Housing-Related Infrastructure (HRI) 	Sustainable Transportation Infrastructure (STI) 	Additional Capital or Program Uses 
<i>Example partner</i>	AFFORDABLE HOUSING DEVELOPER	<ul style="list-style-type: none"> • TRANSIT AGENCY • CITY PUBLIC WORKS DEPT. 	<ul style="list-style-type: none"> • BIKE ORGANIZATION • CITY DEPT
ICP Served by Qualifying Transit	Sustainable Transportation Infrastructure (STI)  <ul style="list-style-type: none"> • TRANSIT AGENCY • CITY PUBLIC WORKS DEPT. • CITY TRANSPORTATION DEPT. 	<ul style="list-style-type: none"> • Affordable housing OR Housing infrastructure • Transportation-Related Amenities  <ul style="list-style-type: none"> • AFFORDABLE HOUSING DEVELOPER • TRANSIT AGENCY • CITY PUBLIC WORKS DEPT. • CITY DOT 	Additional Capital or Program Uses  <ul style="list-style-type: none"> • BIKE ORGANIZATION • CITY DEPT • AFFORDABLE HOUSING DEVELOPER

Highlights of Proposed FY2015-2016 AHSC Changes

GHG Reductions	
GHG Quantification Methodology (CalEEMod and Transportation and Connectivity (TAC))	POINTS
<ul style="list-style-type: none"> • Total Project GHG Reductions 	15
<ul style="list-style-type: none"> • Efficiency of Reductions (Total Project GHG Reductions/AHSC \$ Request) 	15
Supplemental Strategies	
<ul style="list-style-type: none"> • Active Transportation Improvements • Water, Energy, and Greening 	10
<ul style="list-style-type: none"> • Water, Energy, and Greening 	10
GHG REDUCTIONS SUBTOTAL	50
Policy Objectives	
<ul style="list-style-type: none"> • Depth and Level of Housing Affordability 	10
<ul style="list-style-type: none"> • Housing and Transportation Collaboration 	10
<ul style="list-style-type: none"> • Community Benefit and Engagement 	8
<ul style="list-style-type: none"> • Access to Destinations 	8
<ul style="list-style-type: none"> • Funds Leveraged 	5
<ul style="list-style-type: none"> • Anti-Displacement Strategies 	4
<ul style="list-style-type: none"> • Program Need and Readiness 	3
<ul style="list-style-type: none"> • Implementation of Planning Efforts 	2
POLICY OBJECTIVES SUBTOTAL	50
TOTAL POINTS	100

AHSC non-housing Eligible Capital Uses

Sustainable Transportation or Transit-Related Infrastructure (STI) - (grants)

- Capital improvements that result in the enhancement of
 1. public transit access
 2. pedestrian network or
 3. project area bicycle network
- Energy Efficiency, Low Impact Design, Renewable Energy or Urban Greening
- Soft costs up to 30% overall AHSC award
- Activity Delivery Costs associated with implementation of project $\leq 10\%$

Transportation or Transit-Related Amenities (TRA) - (grants)


- Publically accessible capital improvements that provide supportive amenities to cyclists, pedestrians, and transit riders
- Energy Efficiency, Low Impact Design, Renewable Energy or Urban Greening
- Soft costs up to 10% overall AHSC award & active delivery costs $\leq 10\%$ capital project

Programs (grants for 3 years) costs associated with program creation or expansion of existing programs to serve new populations or new service

- Education, outreach and training
- Ex: Active Transportation or Transit Ridership Programs



AHSC Year Two Timeline

July 2015	AHSC Feedback Letters due to SGC
August 2015	SGC begins to Revise Guidelines
September 17 th	SGC Releases Draft Revised Guidelines (visit sgc.ca.gov)
Fall 2015	SGC holds regional workshops on guidelines
October 30, 2015	Deadline to submit Guideline comments to SGC
December 2015	SGC Revises Guidelines according to feedback received; then holds Council Meeting on 12/17 to approval of new guidelines
January 2016	SGC issues round 2 NOFA (~\$400 Million to award)
March 2016	Concept Applications due via online FFAST 
April 2016	Select teams invited to submit full application
June 2016	Full application due to SGC – FFAST and hardcopy mail forms
Sept 2016	SGC makes Round 2 awards
Fall 2016	Debrief and determine best protocol for 2017 cycle



Examples of eligible STI, STA and programs you can get AHSC grant \$\$ for



Eligible costs

	STI	STA				
Complete Streets and Non-Motorized Transportation						
Development and/or improvement of walkways or bikeways that improve mobility, access, comfort and safety	X					
Development or improvement of frequent and safe crossing opportunities	X					
Sidewalk or non-capacity increasing streetscape improvements, including, but not limited to, the reconstruction or resurfacing of sidewalks and streets or the installation of lighting, signage, or other related amenities	X					
Street crossing enhancements including installation of accessible pedestrian signals	X					
Traffic calming projects including development of curb extensions, roundabouts, median islands, "road diets," lane narrowing projects	X					
Signage and way-finding markers		X				
Installation of traffic control devices to improve safety of pedestrians and bicyclists	X					
Street furniture (e.g. benches, shade structures, etc.)		X				
Bicycle repair kiosks		X				
Bicycle routes, lanes and paths; cycle tracks and multi-use paths	X					
Secure bicycle storage or parking	X	X				
Bike Sharing infrastructure	X	X				
Bicycle carrying structures on public transit	X	X				



Eligible costs

Transit and Station Areas		STI	STA			
Development of special or dedicated bus lanes		X				
Development and/or improvement of transit facilities or stations		X				
Necessary relocation of transportation related infrastructure or utilities		X				
Capital purchases of transit related equipment which will increase transit service and/or reliability		X				
Transit Signal Priority technology systems		X				
Real-time arrival/departure information systems		X				
Installation of at-grade boarding infrastructure		X				
Development or improvement of bus and transit shelters or waiting areas			X			
Improvement or addition of lighting to a station area or pedestrian walkways		X				
Transit ticket machine purchase or improvements			X			
Transit passenger amenities - e.g. WiFi access			X			
Transit Vehicle Procurement for service expansion		X				
Station area signage			X			
Removal of access barriers to transit stations		X				
Safety related intersection improvements		X				
Facilities that support pedestrian and bicycle transit		X				

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Eligible costs

Green Infrastructure, Urban Greening and Element Beyond Title 24		STI	STA			
Energy efficiency measures that meet or exceed Title 24 Part 6 Efficiency Standards		X	X			
Green Building measures that meet or exceed Title 24 Part 11 Green Building Standards		X	X			
Low Impact Design measures including: <ul style="list-style-type: none"> soil restoration and permeable surfaces heat island mitigation (e.g. reflective and vegetated surfaces, shade canopy) rainwater recycling, flow and filtration systems including rain gardens stormwater planters and filters vegetated swales, bioretention basins infiltration trenches integration with riparian buffers drought tolerant plants and tree species vegetative or permeable alternatives to turf 		X	X			
Community demonstration or outdoor education gardens or orchards		X		X		
Creation, development or rehabilitation of parks and open space		X		X		

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Eligible costs

STI
STA
ACTIVE
RIDERSHIP

Pre-Development Costs Related to Project Implementation	STI	STA	ACTIVE	RIDERSHIP
Analysis to update adopted General or Specific/Area Plan, zoning ordinances, etc. which are required to implement a capital project	X	X	X	
Implementation of anti-displacement strategies				
Programs				
Pedestrian and bicycle safety education programs			X	
Development and publishing of community walking and biking maps, include school route/travel plans			X	
Development & implementation of "walking School Bus" or "bike train" programs			X	
School crossing guard training programs			X	
Bicycle clinics			X	
Public outreach efforts to increase awareness and understand the needs of active transportation users			X	
Bike sharing programs			X	
Ride and/or car share programs			X	
Transit subsidy programs				X
Education and marketing of transit subsidy programs				X
Transportation Demand Management (TDM) programs				X
Outreach and marketing of Consolidated Transportation Service Agency (CTSA) programs				X
E-Mobility programs which include the expansion or development of internet based applications that allow customers, clients and/or the public to conduct transactions online, circumventing vehicle travel				X

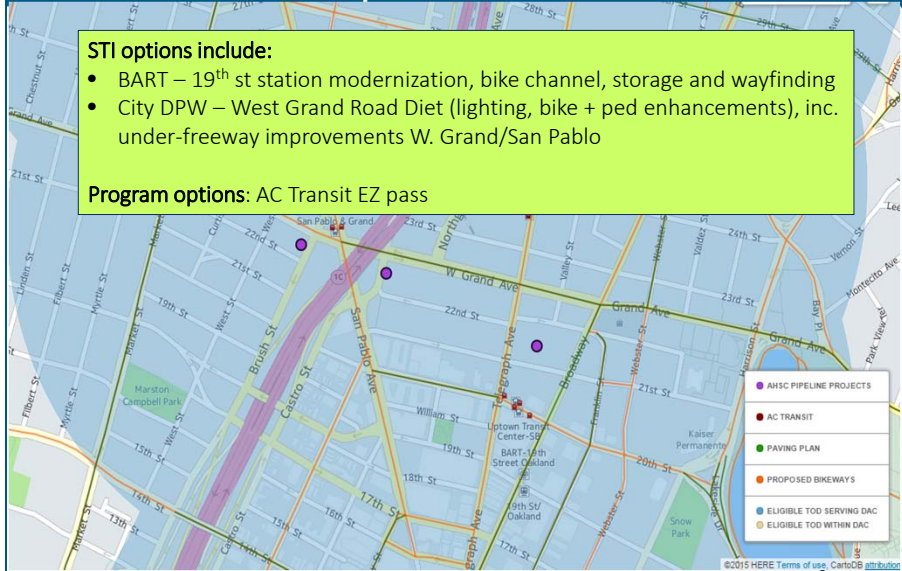


Uptown Area

STI options include:

- BART – 19th st station modernization, bike channel, storage and wayfinding
- City DPW – West Grand Road Diet (lighting, bike + ped enhancements), inc. under-freeway improvements W. Grand/San Pablo

Program options: AC Transit EZ pass

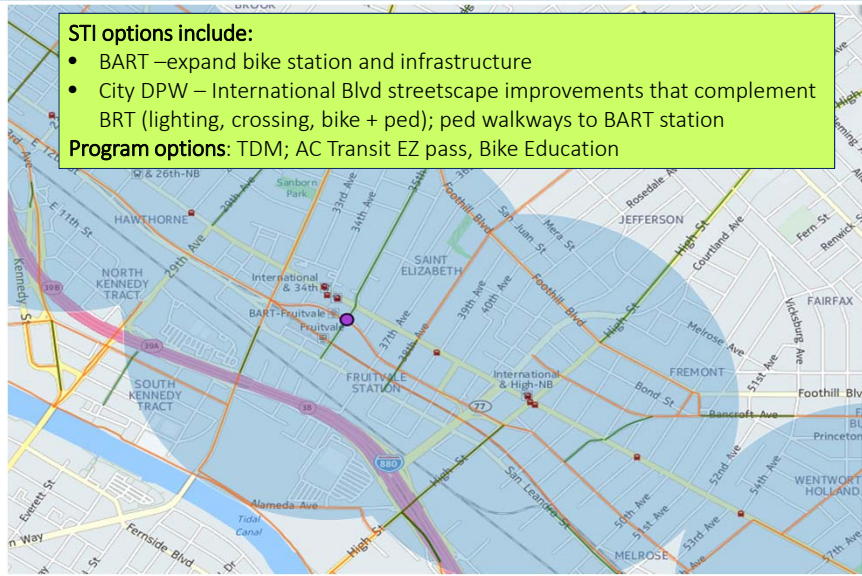


Fruitvale – International

STI options include:

- BART –expand bike station and infrastructure
- City DPW – International Blvd streetscape improvements that complement BRT (lighting, crossing, bike + ped); ped walkways to BART station

Program options: TDM; AC Transit EZ pass, Bike Education



Coliseum – International

STI options include:

- BART – station area improvements; wayfinding; bike and ped access
- City DPW – International Blvd streetscape improvements that complement BRT (lighting, crossing, bike + ped); ped walkways to BART station along 71st; improve access for BART to Baytrail

Program options: AC Transit EZ pass

