

Fruitvale Alive!

Building a connected and separated bicycle/pedestrian path on Fruitvale Avenue



City of
Oakland

Department of
Transportation

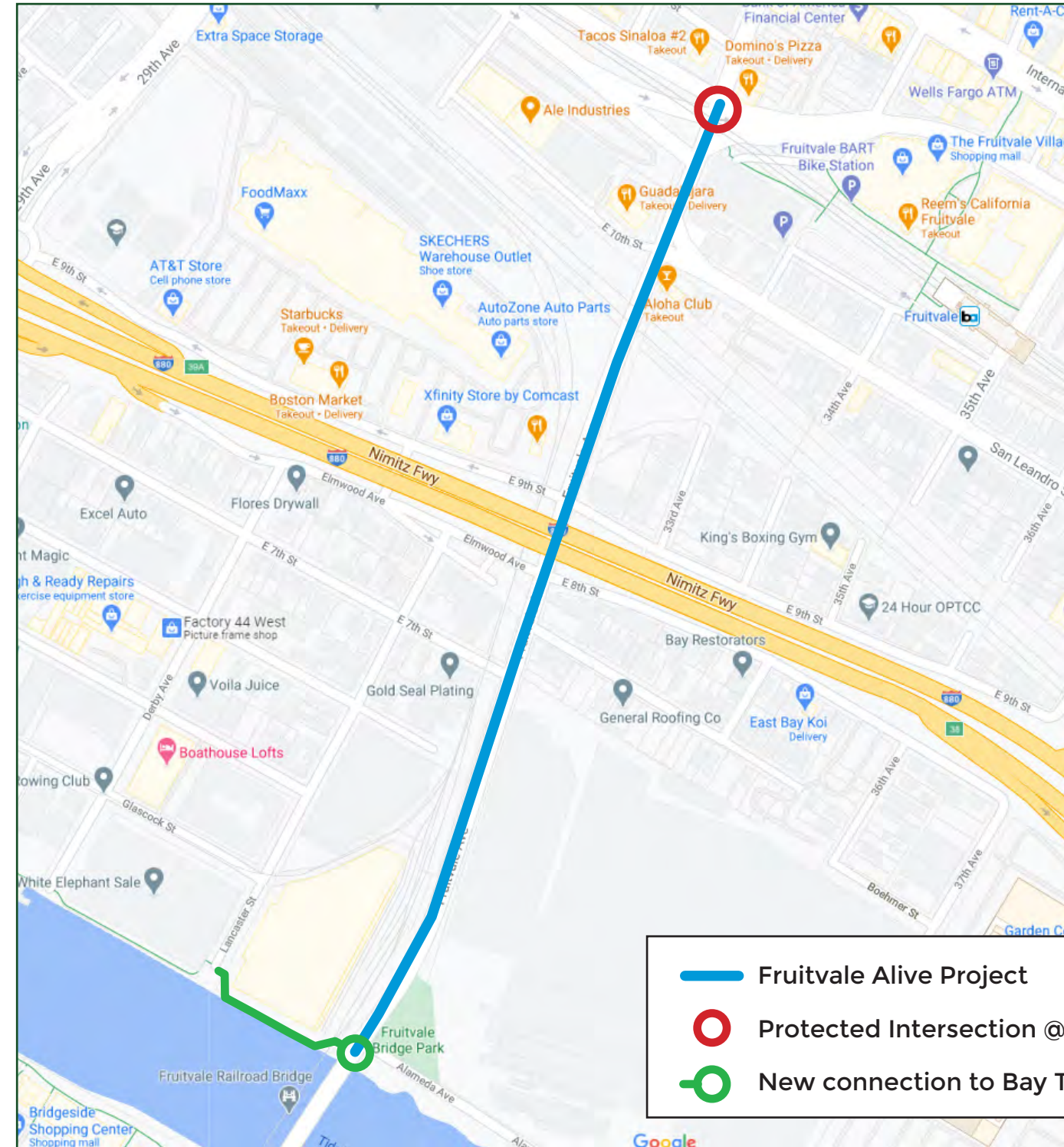
About the Project

The Fruitvale Alive project is an ATP-funded project to install sidewalk-level protected bike lanes to connect the Fruitvale Ave Bridge with Fruitvale BART Station and E12th Street. In addition to closing a critical gap in the City's protected bike infrastructure, the project will connect to a new segment of the Bay Trail at the southern end of Fruitvale Avenue and will address problematic "pork chop" islands at E12th Street.

OakDOT has reached Final Design of the project and expects to award the construction contract in July 2022, with construction beginning in late 2022/early 2023.

Project Elements

- Sidewalk-level protected bike lane for full length of project corridor
- High-visibility crosswalks throughout project corridor
- Install new sidewalk lighting and roadway lighting
- Connection to new segment of Bay Trail at southern end of project corridor
- Close the "pork chop" cut-throughs on the south side of the E12th Street intersection. Install partially protected intersection on south side of intersection.
- Narrow existing roadway and travel lanes to calm traffic



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880 UNDERPASS EXISTING CONDITIONS



- 1. 6' sidewalks.
- 2. 5' bike lanes.
- 3. No pedestrian-oriented lighting
- 4. Chain link fence

- 5. Weeds and gravel next to sidewalk
- 6. Underpass and column paint needs updating
- 7. Large curb radius

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880 UNDERPASS
PROPOSED PROJECT
(2017 RENDERING)

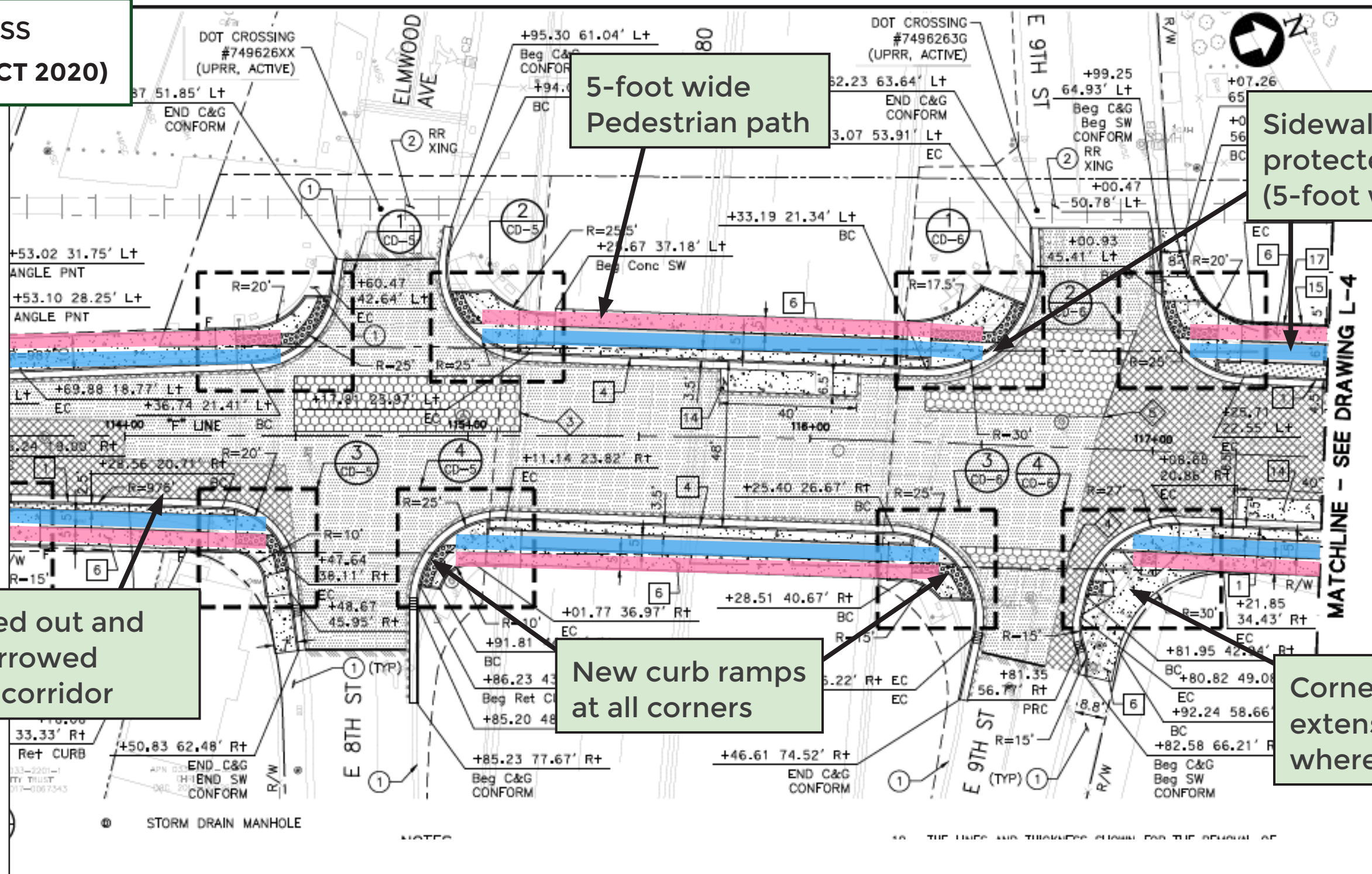


Raised Cycle Track Concept

1. Raised Cycle track
2. Bus stop moved to far-side (New bus shelter)
3. Highly visible striped bike crossings provided on three intersection legs
4. Pedestrian-oriented lights improve pedestrian safety and match Fruitvale Alive lights.
5. Chain link fence replaced with decorative green fencing and relocated to back of columns.
6. Cobble surfacing for low maintenance edge band.
7. Underpass paint improvements cleaned and refurbished.
8. Curb radius reduced to shorten pedestrian crossing distance.
9. Gateway signage added.
10. Decorative railings protect bikeways from adjacent vehicles



880 UNDERPASS
95% PLANS (OCT 2020)



5-foot wide
Pedestrian path

Sidewalk-level
protected bike lanes
(5-foot wide)

Curbs pushed out and
roadway narrowed
throughout corridor

New curb ramps
at all corners

Corner curb
extensions
where feasible

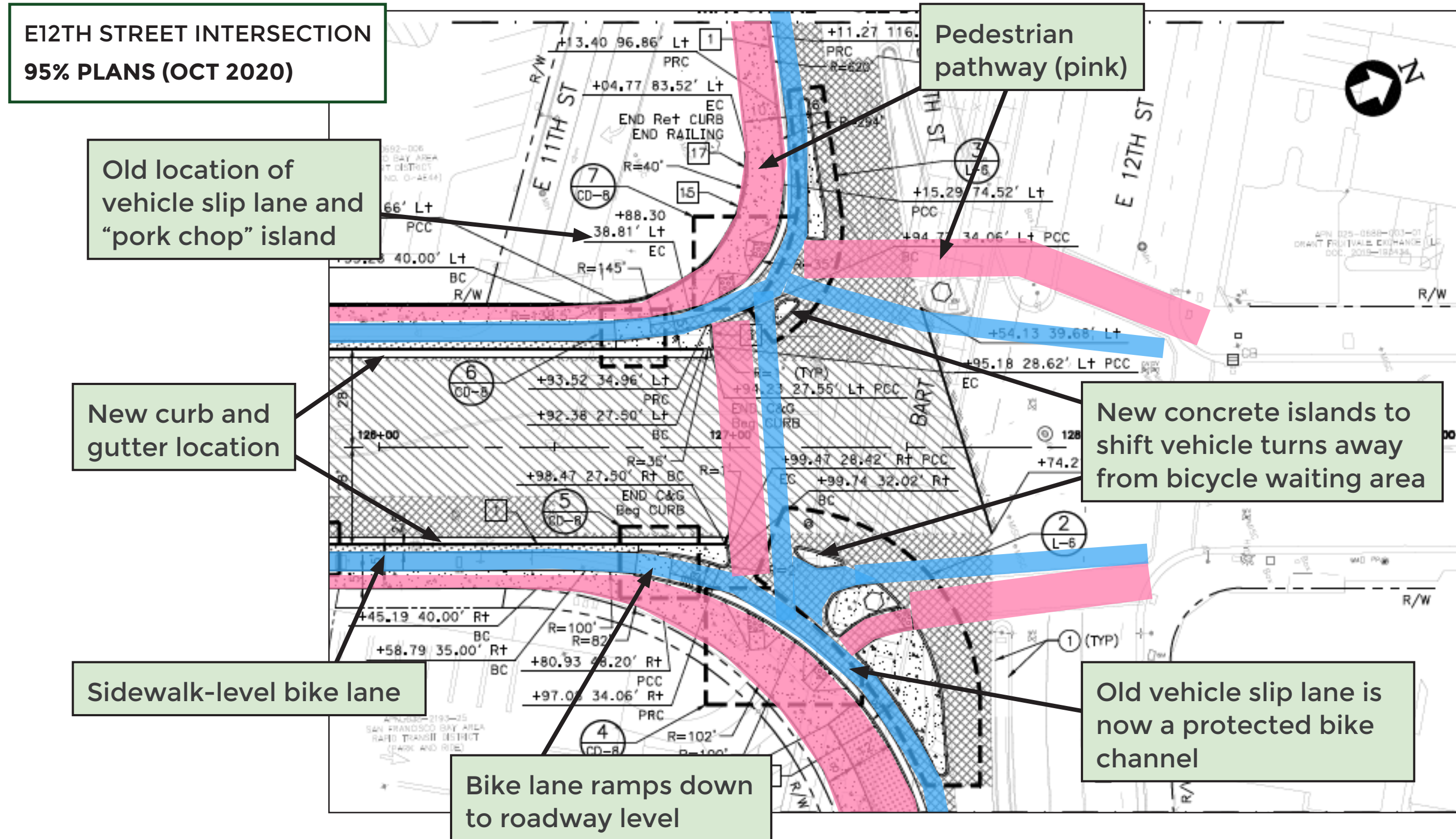
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SCHEDULE/NEXT STEPS

- » End of 2020 - Final Design
- » Fall 2021 - Advertise project for construction
- » Summer 2022 (expected) - City Council awards construction contract
- » Fall/Winter 2022 - Construction begins
- » End of 2024 - Project close-out

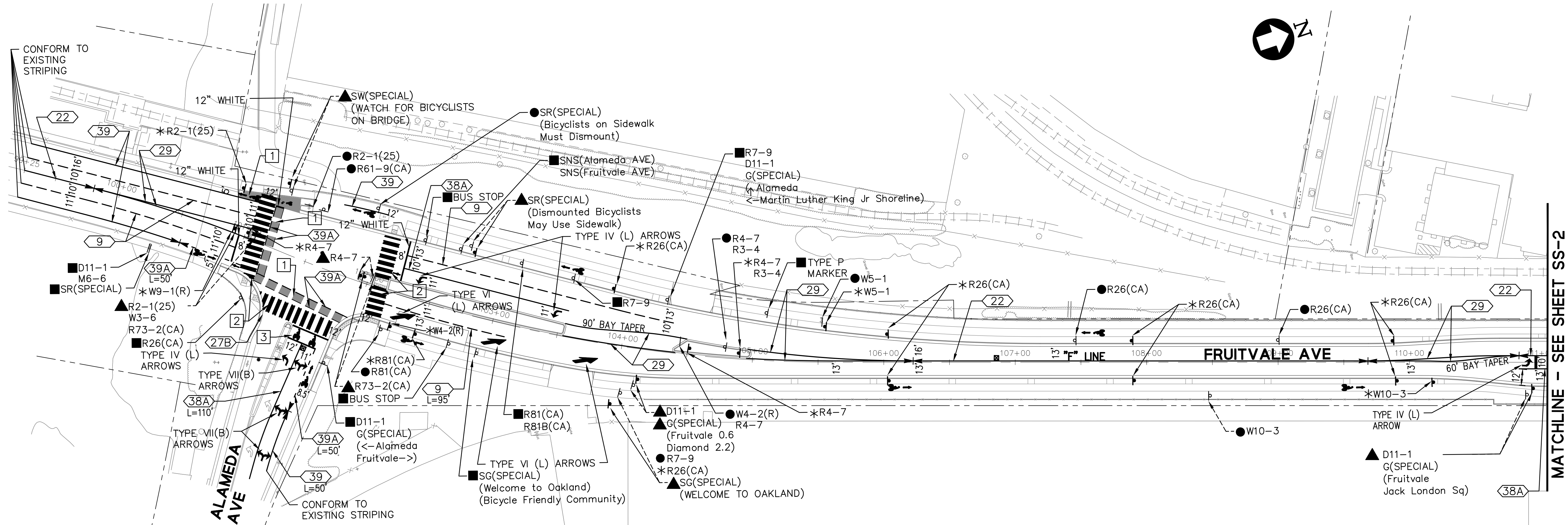


SIGNING AND STRIPING NOTES

1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.
2. ALL SIGNS ARE BASED ON THE CALIFORNIA 2014 MUTCD.
3. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES PRIOR TO DRILLING HOLES OR PREPARING SIGN FOUNDATIONS.
4. CONTRACTOR SHALL REMOVE EXISTING PAVEMENT DELINEATION WHICH CONFLICT WITH THIS PLAN.
5. ALL PAVEMENT STRIPING AND MARKINGS SHALL BE THERMOPLASTIC.
6. EXACT LOCATION AND POSITION OF PAVEMENT MARKING ARROWS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
7. COVER NEW ISLAND NOSES IN RETROREFLECTIVE THERMOPLASTIC PAINT (WHITE FOR ISLAND BETWEEN TRAVEL LANES AND BIKE LANES; YELLOW FOR MEDIAN NOSES).
8. FOR SIGNAL MODIFICATION AT ALAMEDA AVE AND FRUITVALE AVE, THE CONTRACTOR IS RESPONSIBLE TO COORDINATE WITH ALAMEDA COUNTY BRIDGE OFFICE FOR ANY IMPACTS TO THE BRIDGE. PLEASE CONTACT DERRAL DUNLAP (BRIDGE SUPERVISOR) AT 510-777-2390 / DERRALD@ACPWA.ORG AND RICK PLOWMAN (BRIDGE ENGINEER) AT 510-777-2390 / RICHARDP@ACPWA.ORG. CONTRACTOR ALSO NEEDS TO COORDINATE WITH CITY OF ALAMEDA FOR TRAFFIC HANDLING ON THE BRIDGE. PLEASE CONTACT ROCHELLE WHEELER, SENIOR TRANSPORTATION COORDINATOR, PLANNING, BUILDING AND TRANSPORTATION DEPARTMENT, CITY OF ALAMEDA AT 510-747-7442 / RWHEELER@ALAMEDACA.GOV.
9. THE CONTRACTOR IS RESPONSIBLE FOR ALL TRAFFIC HANDLING AND STAGING PLANS OF THE ENTIRE PROJECT. THE CONTRACTOR IS ALSO RESPONSIBLE FOR ALL COORDINATION WITH UPRR, PG&E, BART, AND OTHER AGENCIES WITHIN THEIR RESPECTIVE RIGHT OF WAY. ALL REQUIREMENTS FROM SUCH AGENCIES SHALL BE MET. CONTRACTOR SHALL SUBMIT TRAFFIC HANDLING AND STAGING PLANS TO THE CITY, AND ALL INVOLVED AGENCIES FOR FINAL APPROVAL BEFORE COMMENCEMENT OF ANY CONSTRUCTION.

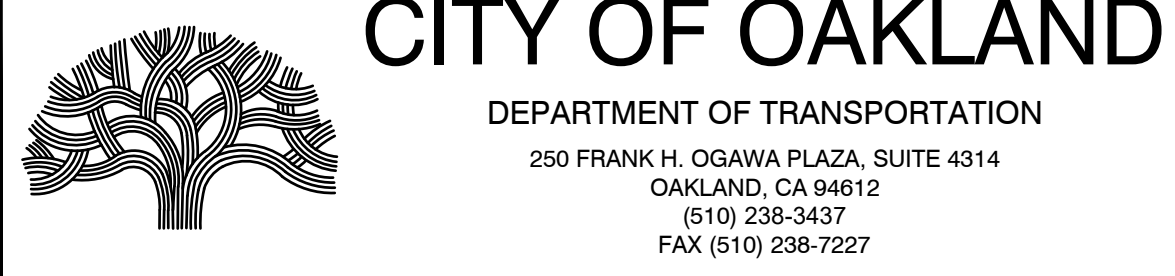
LEGEND

- | | | | |
|--|--|--|--|
| | PAVEMENT DELINEATION DETAIL PER LATEST CALTRANS STANDARD PLANS | | REMOVE EXISTING ROADSIDE SIGN |
| | CHANGE OF PAVEMENT DELINEATION DETAIL | | EXISTING ROADSIDE SIGN TO REMAIN |
| | PAVEMENT MARKING | | INSTALL NEW ROADSIDE SIGN |
| | EXISTING ROADSIDE SIGN | | RELOCATE EXISTING SIGN |
| | EXISTING ROADSIDE SIGN (2 POSTS) | | BIKE LANE MARKING PER LATEST CALTRANS STANDARD PLANS A24A AND A24C |
| | PROPOSED ROADSIDE SIGN | | BICYCLE LOOP DETECTOR SYMBOL |
| | PROPOSED ROADSIDE SIGN ON STREET LIGHT (SSBM) | | BIKE LANE SYMBOL WITH PERSON |
| | PROPOSED ROADSIDE SIGN (2 POSTS) | | FIRE HYDRANT |



PROJECT NOTES

1. INSTALL GREEN BIKE LANE PER CITY OF OAKLAND BICYCLE FACILITY DESIGN GUIDELINES DWG No. G-1 TO G-6. GREEN PAVEMENT TREATMENT SHOULD USE METHYL METHACRYLATE OR APPROVED EQUAL.
2. INSTALL 12' WIDE HIGH VISIBILITY CONTINENTAL CROSSWALK PER CITY STANDARD DWG. NO. M-4A.
3. INSTALL BIKE BOX PER CITY STANDARD DWG. NO. M-7
4. INSTALL TWO STAGE TURN QUEUE BOX PER CITY STANDARD DWG. NO. M-8



**FRUITVALE GAP CLOSURE PROJECT
BETWEEN E 12TH STREET AND ALAMEDA AVENUE**

No.	DATE	BY	REFERENCE

BKF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS

300 FRANK OGAWA PLAZA
SUITE 380
OAKLAND, CA 94612
916-556-5800
916-556-5899 (FAX)

CHECKED BY: J. WANG
DESIGNED BY: C. WONG
DRAWN BY: C. TANG

CONSULTANT'S JOB No.
181151-05



SIGNING AND STRIPING PLAN

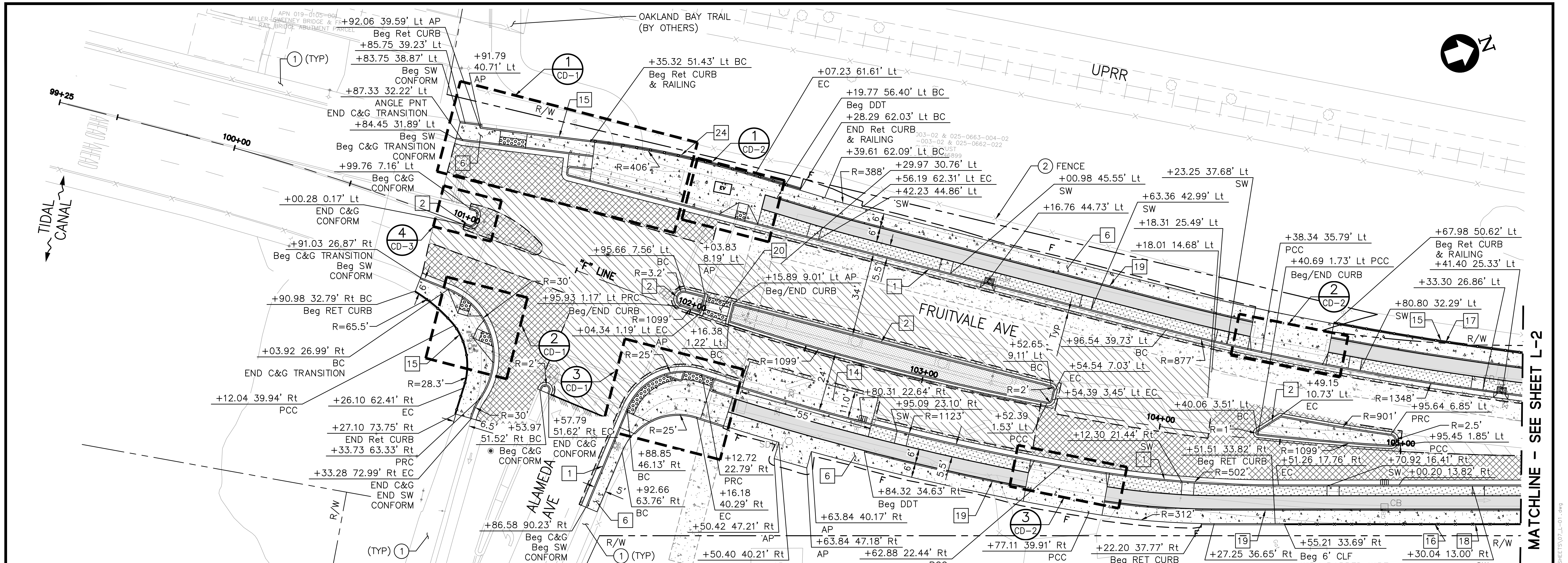
PROJECT NO. **1000724**
FEDERAL PROJECT NO. ATPL 5012(153)

SCALE: 1" = 40'
DATE: AUGUST 04, 2021

SHEET NO. **SS-1**
47 OF 100

REGISTERED PROFESSIONAL ENGINEER
JPEI WANG
No. 167006
Exp. 6/30/21
CIVIL
STATE OF CALIFORNIA

DRAWING NAME: 08-03-21 PLOTTED BY: weic



MATCHLINE - SEE SHEET L-2

ITEMS OF WORK:

- ① (E) SIDEWALK, CURB, GUTTER, MEDIAN TO REMAIN. PROTECT IN PLACE.
- ② PROTECT IN PLACE (E)
- ① C&G (TYPE A) PER COO STD DETAIL
- ② C&G (TYPE D) PER COO STD DETAIL
- ③ CURB (TYPE A1-6) PER CT STD DETAIL
- ④ C&G (TYPE A2-6) PER CT STD DETAIL
- ⑤ 4" C&G (TYPE A MODIFIED)
- ⑥ SIDEWALK PER COO STD DETAIL
- ⑦ DRIVEWAY PER COO STD DETAIL
- ⑧ CURB RAMP (CASE C) PER CT STD DETAIL
- ⑨ CURB RAMP (CASE C) MODIFIED DETAIL
- ⑩ CURB RAMP (CASE A) PER CT STD DETAIL
- ⑪ CURB RAMP (CASE CM) PER CT STD DETAIL
- ⑫ CURB RAMP (CASE CH) PER CT STD DETAIL
- ⑬ NOT USED
- ⑭ BUS PAD

- ⑮ RETAINING CURB (TYPE 1), SEE DETAIL
- ⑯ 6" CHAIN LINK FENCE W/ BARBED WIRE
- ⑰ 3" RAILING
- ⑱ MODIFIED RETAINING CURB, SEE DETAIL
- ⑲ 6" DETECTABLE DIRECTIONAL TILE
- ⑳ PASSAGEWAY PER CT STD DETAIL
- ㉑ DRIVEWAY WITH 8" PCC AND 4" AB, SEE NOTE 14
- ㉒ 10' CHAIN LINK FENCE W/ BARBED WIRE
- ㉓ SIDEWALK UNDERDRAIN PER COO STD DETAIL
- ㉔ RETAINING CURB (TYPE 2), SEE DETAIL

LEGEND:

- 2" HMA (TYPE A) OVERLAY
- 15" FULL DEPTH HMA (TYPE A)
- 3" HMA (TYPE A) OVER 9" AB CL 2
- 3" DIGOUT
- PCC SIDEWALK/DRIVEWAY/BUS PAD/MEDIAN
- DECOMPOSED GRANITE
- SELF-RETAINING AREA

- GB GRADE BREAK
- 2" CONFORM GRIND, SEE
- SAWCUT LINE
- CUT/FILL LINE
- CITY RIGHT OF WAY
- ACCESS CONTROLLED RIGHT OF WAY (CALTRANS)
- RIGHT OF WAY/PROPERTY LINE
- STORM DRAIN MANHOLE
- STORM DRAIN INLET
- FIRE HYDRANT
- WATER VALVE
- (E) STORM DRAIN MANHOLE
- (E) INLET
- (E) SANITARY SEWER MANHOLE
- (E) ELECTRICAL MANHOLE
- (E) WATER VALVE
- (E) FIRE HYDRANT
- (E) GAS VALVE
- (E) UTILITY BOX/VAULT
- (E) STREET LIGHT
- (E) TRAFFIC VALVE
- (E) MONUMENT
- (E) SIGN OR POST
- (E) SIGNAL
- (E) JOINT POLE

NOTES:

1. FOR ALIGNMENT INFORMATION, SEE PROJECT CONTROL PLAN AND KEY MAP.
2. FOR SIGNING AND STRIPING INFORMATION, SEE SIGNING AND STRIPING PLAN.
3. FOR GRADING AND STORM DRAIN INFORMATION, SEE GRADING AND DRAINAGE PLAN.
4. FOR UTILITY INFORMATION, SEE UTILITY PLAN.
5. FOR PLANTING INFORMATION, SEE PLANTING PLAN.
6. FOR TRAFFIC SIGNAL INFORMATION, SEE TRAFFIC SIGNAL MODIFICATION PLAN.
7. FOR STREET LIGHTING INFORMATION, SEE ELECTRICAL PLANS.
8. SAWCUT EXISTING PAVEMENT AND/OR PAVEMENT EDGE TO A NEAT LINE, PROTECT VERTICAL EDGE.
9. REMOVE SIDEWALK AND GUTTER TO NEAREST SCOREMARK JOINT.
10. THE LINES AND THICKNESS SHOWN FOR THE REMOVAL OF PAVEMENT, CURB AND GUTTER, SIDEWALK AND ALL OTHER CIVIL CONSTRUCTION WORK ARE FOR INFORMATION ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXTENT OF WORK BASED ON THE SPACE REQUIRED TO PERFORM THE CONSTRUCTION WORK AND/OR THE CONTRACTOR'S MEANS AND METHODS AND REQUIREMENTS FOR SHORING, EXCAVATION AND TEMPORARY SUPPORT.
11. CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ANY BENCHMARK OR MONUMENTATION, (UNLESS SHOWN FOR REMOVAL BY THESE PLANS. IF A BENCHMARK OR MONUMENTATION NOT SHOWN FOR REMOVAL IS DISTURBED, THE CONTRACTOR SHALL HAVE A LICENSED LAND SURVEYOR RESTORE THE BENCHMARK OR MONUMENTATION AT THE CONTRACTOR'S EXPENSE.
12. 6" DETECTABLE DIRECTIONAL TILE SHALL NOT BE INSTALLED WITHIN LIMITS OF DRIVEWAYS. SEE SITE PLAN AND CONSTRUCTION DETAIL FOR DRIVEWAY LOCATIONS.
13. CONTRACTOR SHALL PROVIDE GAP IN RAILING AT PEDESTRIAN PUSH BUTTON POLE.
14. FOR INFORMATION NOT SHOWN, SEE DRIVEWAY PER COO STD DETAIL.



BKF 100+
YEARS
ENGINEERS . SURVEYORS . PLANNERS

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 OAKLAND, CA 94612
 916-556-5800
 916-556-5899 (FAX)

CHECKED BY: M. COSENTINO
 DESIGNED BY: B. SILKWOOD
 DRAWN BY: A. LARA

CONSULTANT'S JOB No.
181151-05



CITY OF OAKLAND
 DEPARTMENT OF TRANSPORTATION
 250 FRANK H. OGAWA PLAZA, SUITE 4314
 OAKLAND, CA 94612
 (510) 238-3437
 FAX (510) 238-7227

No.	DATE	BY	REFERENCE

LAYOUT PLAN

PROJECT NO.
1000724
 FEDERAL PROJECT NO.
 ATPL 5012(153)

SCALE: 1" = 20'
 HOR.
 VERT.

SHEET NO.
L-1
 15 OF 100

DATE: AUGUST 04, 2021

DRAWING NAME: \\BKF\proj\1000724\181151-05\001.dwg PLOT DATE: 08-04-21 PLOTTED BY: jg

