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CALIFORNIA

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PUBLIC WORKS
BUREAU OF
ENGINEERINGGARY LEE MOORE, PE, ENV SP
CITY ENGINEER1149 S. BROADWAY, SUITE 700
LOS ANGELES, CA 90015-2213<http://eng.lacity.org>

FOR REFERENCE ONLY

October 1, 2019

City of Los Angeles Bureau of Engineering's review of these submittals, plans, specifications, and shop drawings shall not relieve METRO, its consultants, and its contractors of the responsibility for errors, or omissions in the submitted documents. METRO is responsible to insure and confirm that the City of Los Angeles Standards (Standards) are used to perform all work on or affecting City facilities. The Standards shall be the current edition in use upon the date City receives such submittal or per an effective date as specified in the agreement (if any).

Gary Baker, P.E.
Project Manager
Los Angeles County Metropolitan Transportation Authority (Metro)
One Gateway Plaza
Los Angeles, CA 90012-2952

REGIONAL CONNECTOR TRANSIT CORRIDOR PROJECT – APPROVAL FOR CONSTRUCTION (AFC), DESIGN UNIT 05 CIVIL SEGMENT B, DATED SEPTEMBER 4, 2019, W.O. 1907394 (e2020-6330-R01)

The Bureau of Engineering's Metro Transit Division has reviewed the Regional Connector Transit Corridor Project's Design Unit 05 Civil Segment B Submittal dated September 4, 2019 (C0980-SUB-MTA-RC-D05-163-006.01). This submittal is approved as noted:

- 1) **DU05 Civil Segment B Advanced Partial Design Unit (APDU) AFC:** The following drawings were approved with the DU05 Civil Segment B APDU AFC Submittal (C0980-SUB-MTA-RC-D05-163-007) on June 13, 2019:
 - UR-605, UR-609, UR-610, UR-611, UR-612, UR-613, UR-614, UC-102, SD-601, SD-605, SD-606, SD-607, SD-608, SD-609, SD-610, SD-611A, SD-612A, SS-601, SS-602, SS-603, SS-604, SS-605, SS-606, SS-621, SS-622, SS-623, SS-624, SS-625.
 - Sheets 1 to 4 and Sheet 10 of Appendix B – Case Bedding Calculations of the Sanitary Sewer Relocation Design Report, Revision 4, dated 5/24/2019.
 - Sheets 3 to 14 of Appendix H – Case Bedding Calculations of Segment B AFC Drainage Design Report, Revision 4, dated 5/24/2019.
- 2) **Street Vacation – Turner Street:**
 - The design for the conditions adopted by the Los Angeles City Council District 14 for the Street Vacation of Turner Street, VAC-E1401333, shall be submitted to LABOE for review and approval by July 2020.
 - The construction of the Council adopted conditions for the Street Vacation of Turner Street, VAC-E1401333, shall be completed and accepted by the City of Los Angeles, Bureau of Contract Administration (LABCA) by December 2021.
- 3) **Street Vacation – 2nd and Hope Station Plaza:**
 - Metro provided a letter dated September 12, 2019 with the subject line, Metro Regional Connector Transit Corridor Project Civil B Street Restoration Approved for Construction (AFC) Submittal. Per Attachment B of Metro's letter, Metro will



submit an application to vacate the station plaza area bounded by 2nd Place, Hope Street, and Flower Street after the station plaza properties are acquired.

- The design for the conditions adopted by the Los Angeles City Council District 14 for the Street Vacation shall be submitted to LABOE for review and approval by July 2020.
- The construction of the Council adopted conditions for the Street Vacation shall be completed and accepted by LABCA by December 2021.
- The street vacation of the station plaza is a prerequisite for the 2nd and Hope pedestrian bridge revocable permit.

4) **Revocable Permits:**

- A Revocable Permit (R-permit) for Non-City Standard Special Pavers (terrazzo, granite, exposed aggregate panels, etc.), edge band, decorative sidewalk, and colored concrete that are in the Public Right-of-Way is waived for Segment B only. If an existing Revocable Permit can be found on file with the City, then reapplying for the Revocable Permit is not required.

5) **Pavement Restoration:**

- The "Join Exist Pavement" limits shown on the plans are for the geometric tie-ins from the proposed street restoration to the existing pavement and do not include street restoration for construction damage. Pavement restoration limits that will be required due to construction damage shall be determined by LABCA. At restoration, proposed pavement must join competent pavement. Prior to restoration, the LABCA Inspector will walk the project to identify construction damage to the pavement, curb and gutter, and sidewalk that must be repaired in accordance to the Greenbook.
- All pavement damage due to utility work from C0981R and C0980 must be paved or the Street Damage Restoration Fee must be paid to the City. The project shall not be accepted by the City until all the pavement restoration has been completed to the satisfaction of LABOE and LABCA.

6) **The Curb Ramp at the North West Corner of 2nd Street and Spring:**

- Provide the maximum slope of 10% for the X section for Ramp A on Drawing CS-606-D, with no exception.

7) **The Curb Ramp at the South East Corner of 2nd Street and Spring Street:**

- The structural calculation for the SE corner of 2nd/Spring is not acceptable. Provide calculations showing structural adequacy of the existing brick arches for supporting the design dead and live load.
- The Retrofit of the South East Corner of 2nd Street and Spring Street is not part of this approval. The plans for the Retrofit of the South East Corner of 2nd Street and Spring Street shall be submitted for review and approval by LABOE separately.

8) **Metro's Letter dated September 12, 2019:**

- Per Metro's letter dated September 12, 2019, Metro reaffirmed its previous commitments regarding street paving limits, street furniture drawings, supplemental surveys, and right-of-way modifications. These commitments will be addressed separately from the Civil Segment B package.

9) **Others**

- Technical specifications for the decorative sidewalk finishes that will be installed in Segment A & B shall be submitted to LABOE for review and approval.

- Import soil must be tested to meet the project specifications and soils report requirements prior to importing the soil onsite for use on the project.
- R-Value of 50 was used for the design of flexible pavement in Segment B. The R-Value of the import soil should be confirmed prior to importing the soil on site and existing soil should be confirmed during grading. If the minimum R-Value of 50 of the soil is not met, the structural pavement section shall be redesigned.
- Metro and the Regional Connector Constructors, RCC, shall be responsible for obtaining all required permits for connections to Los Angeles County, Flood Control District (LACFCD) facilities.
- Prior to construction, Metro and RCC shall be responsible for submitting a design for review and approval for all clouded portions on these plans. Metro and RCC are responsible for sequencing the construction work so as to accommodate any impacts from the design of the clouded portions.
- Notify the LABCA Lead Inspector a minimum of 24 hours prior to starting any construction activities per this approved submittal.
- Submit shoring plan to LABOE for review & approval prior to construction.
- Submit shop drawings for all proposed underground vaults, maintenance holes and structures to LABOE for review & approval prior to fabrication.
- Construction shall not start until Metro and RCC obtain a corresponding approved Work Site Traffic Control Plan and Traffic Circulation Plan from the Los Angeles, Department of Transportation (LADOT).
- Notify emergency services such as police and fire as necessary or required.
- This approval is not a betterment.

NOTE: Metro and its contractors, consultants and utility companies are responsible for errors and omissions in the plans and specifications.

If you have any questions, please contact Anh Hoang at (213) 485-5906 or Curtis Gee at (213) 847-4782.

Sincerely,



Anh Hoang, Project Engineer
Metro Transit Division

Attachments: 1. LABOE's approved Regional Connector Transit Corridor Project Design Unit 05 Segment B dated September 4, 2019.

2. Metro's letter dated September 12, 2019.

Cc: RCC Document Control
Don Wakefield, LA Con Ad

Metro RC Document Control

LABOE File



e2020-6330-R01

PROJECT: Regional Connector Transit Corridor

JOB NO: C0980

SUBMITTAL TRANSMITTAL

C0980-SUB-MTA-RC-D05-163-006.01

Revision 1

TO: Gary Baker

SENDING FOR: For Approval

COMPANY: Los Angeles County Metropolitan Transportation
Authority

TYPE: Contract (Admin)

432 E. Temple St

PRIORITY: Normal (30 Days)

Los Angeles, CA 90012

SUBSTITUTION: N/A

TO: Curtis Gee

DEVIATION: N/A

COMPANY: Los Angeles Bureau of Engineering

1149 South Broadway, Suite 600

Los Angeles, CA 90012

TO: Jwalin Champaneria

APPROVED FOR CONSTRUCTION

DATE: 10/01/2019 INITIALS: ANH

METRO TRANSIT DIVISION
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

COMPANY: Los Angeles Department of Transportation

100 S Main St, 9th Floor

Los Angeles, CA 90012

TO: Henry Andrino

COMPANY: LABSL

1149 S. Broadway, Suite 200

Los Angeles, CA 90012

TO: Sandy Nikaido

COMPANY: LABSS

1149 S Broadway, Suite 400

Los Angeles, CA 90012

FROM: Michael Smithson

SUB: N/A

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SUB ADDRESS:

SUBJECT: DU05 Civil Segment B AFC Submittal

ATTACHMENTS:

DU 05 Civil Segment B AFC Rev 1 Submittal.zip

REVIEWERS:

COMPANY	CONTACT NAME	DATE SENT	DATE DUE	DATE RETURNED	STATUS
Los Angeles County Metropolitan Transportation Authority	Gary Baker	09/04/2019	10/04/2019		Submitted

MATCH LINE STA 18+85.00
SEE DWG CS-653-PL

MATCH LINE STA 13+85.83
SEE DWG CS-608-PL

APPROVED FOR CONSTRUCTION
OCT 01 2019
METRO TRANSIT DIVISION
BUREAU OF ENGINEERING
CITY OF LOS ANGELES

LEGEND:

☒ TREE WELL

CURVE DATA TABLE				
No.	RADIUS	DELTA	LENGTH	TANGENT
①	175.00'	010° 10' 15"	31.07'	15.57'

NOTES:

1. SEE DU 01 TRACK WORK PLANS FOR TRACK RELATED WORK
2. SEE DRAINAGE PLANS FOR STORM DRAIN RELATED WORK
3. FOR DISPOSITION OF EXIST METRO GOLD LINE LITTLE TOKYO STATION AND GIDEWAY FACILITIES, SEE DU 1.1 SHOOFY AND DU 02 CUT & COVER TUNN DRAWINGS - OPTION #310
4. SEE LANDSCAPE (L) PLANS FOR TREE WELL LOCATIONS AND LANDSCAPE/MEDIAN RELATED WORK.
5. SEE DWG. NO CS-614-D FOR DECORATIVE SIDEWALK SCHEDULE.
6. SEE STREET FURNITURE (SF) PLANS FOR LOCATIONS OF TRASH CANS, BIKE RACKS, BUS BENCHES, AND RELATED INFORMATION.

CONSTRUCTION SYMBOLS

-  CONSTRUCT  REMODEL EXISTING
 EXISTING  REMOVE & CONSTRUCT
 REMOVE  WORK BY OTHERS

CONSTRUCTION NOTES

- 2- TYPE C INTEGRAL CURB & GUTTER
- 10- CONCRETE DRIVEWAY
- 12- CONCRETE WALK
- 12A- DECORATIVE SIDEWALK, REPLACE IN KIND
- 14- ASPHALT/ CONCRETE PAVEMENT
- 16- CRUSHED MISCELLANEOUS BASE
- 17- ADJUST MAINTENANCE HOLE TO GRADE
- 20- TREE
- 26- TREE WELL
- 26C- 3x6" TREE WELL, TREE TO BE PLACED PRIOR TO SIDEWALK CONSTRUCTION
- 38- RELOCATE AND/OR ADJUST STREET LIGHT PULL BOX TO GRADE
- 39A- RELOCATE AND/OR ADJUST STREET LIGHT PULL BOX WITH SPECIAL COVER TO GRADE
- 39- RELOCATE AND/OR ADJUST TRAFFIC SIGNAL PULL BOX TO GRADE
- 39A- RELOCATE AND/OR ADJUST TRAFFIC SIGNAL PULL BOX WITH SPECIAL COVER TO GRADE
- 41- RELOCATE AND/OR ADJUST FIRE HYDRANT TO GRADE
- 53- GAS VALVE
- 55- ADJUST WATER VALVE COVER TO FINAL GRADE
- 57- RELOCATE AND/OR ADJUST STREETLIGHT POLE TO GRADE
- 58- RELOCATE AND/OR ADJUST TRAFFIC SIGNAL POLE TO GRADE
- 70- SIGN AND POST
- 77- SAWCUT LINE & JOIN
- 81- CURBSIDE GRATING BASIN (CGB)
- 99- SIDE OPEN CATCH BASIN

BUREAU OF ENGINEERING

[illegible]

DEPARTMENT OF PUBLIC WORKS

DESIGN GROUP
ENGINEER:
DESIGNED BY: G. MOUA
DRAWN BY: L. YUEN
CHECKED BY: D. PELEN
APPROVED BY:

VERTICAL CONTROL: BM 12-031 189 & BM 12-06711, NAD83 1886, 2000 ADJ
HORIZONTAL CONTROL: NAD83, ZONE 5, EPOCH 2007.0

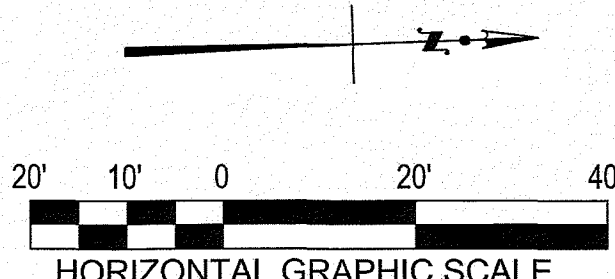
SHEET TITLE: STREET IMPROVEMENT PLAN
N ALAMEDA ST STA 13+85.83 TO STA 18+85
REGIONAL CONNECTOR TRANSIT CORRIDOR

PROJECT:
ADDRESS:

WORK ORDER NO. E1907394
DWG. NO.
SHEET OF SHEETS

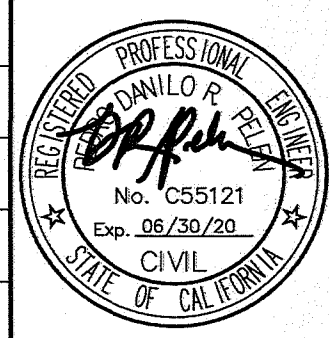
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THE PREPARATION OF THIS DRAWING HAS BEEN FINANCED IN PART THROUGH A GRANT FROM THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL TRANSIT ADMINISTRATION (FTA), UNDER THE FEDERAL TRANSIT ACT OF 1964, AS AMENDED, AND IN PART BY THE TAXES OF THE CITIZENS OF LOS ANGELES COUNTY AND OF THE STATE OF CALIFORNIA.							
0	08/30/19						APPROVED FOR CONSTRUCTION
REV#	DATE	BY	APP	REG NO.	EXPIRES	SEAL HOLDER	DESCRIPTION

DESIGNED BY	G. MOUA
DRAWN BY	L. YUEN
CHECKED BY	D. PELEN
IN CHARGE	F. FRANDINA
DATE	08-30-19



M Metro

 **REGIONAL CONNECTOR CONSTRUCTOR**
SKANSKA TRAYLOR

444 S Flower Street, Suite 2200
Los Angeles, CA 90071
Tel: 213.694.3472 Fax: 213.694.3473

LOS ANGELES COUNTY METROPOLITAN TRANSPORTATION AUTHORITY	
BY MOTT M MACDONALD M	APPROVED FOR CONSTRUCTION DRAWINGS - AFD
 V&A INC. 1775 SOUTH FISHCANE AVE PASADENA, CA 91105 712-803-7079	

REGIONAL CONNECTOR TRANSIT CORRIDOR
DU 05 CIVIL SEGMENT B
STREET IMPROVEMENT PLAN
N ALAMEDA ST STA 13+85.83 TO STA 18+85

CONTRACT NO C0980	
DRAWING NO CS-607-PL	REVISION NO 1
SCALE 1" = 20'	
SHEET NO 1	

