February 12, 2020





- 8.5 miles Light Rail
- 8 Stations
- \$2,058.0 Million (Board approved revised LOP)

Overview of trackwork progress issues for 01/30/2020 – 2/12/2020 (Please note the attached Trackwork Progress Tracking Report)

Trackwork continues with punchlist and rework activities. Both DF and Ballasted Trackwork that was previously reported as 100% complete may yet require rework. The contractor is in the process of analyzing, planning, and executing the repair and rework required throughout the guideway limits. Remaining incomplete trackwork activities progress will be reported upon the execution of planned rework.

Current Issues:

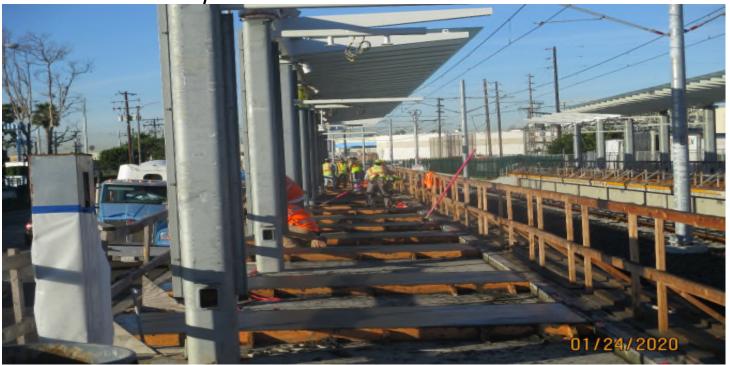
General Note: Some of the DF plinth ends have started to separate from the invert. There are from 450 to 1800 locations project wide that may need to be repaired. WSCC is in the process of preparing a test sample of a potential repair process for review.

GREEN LINE TIE-IN:

- Rework is still required for guard rail which had been installed with not-per-plan OTM
- Rework is still required for several temporary Insulated Joints (IJs) from the Green Line Tie-in across the Imperial Bridge to Segment A Guideway STATION 13+00.
- Rework is still required for the inserts for the Movable Point Frog STA 13+99

Segment A





Florence/Hindry: - Sanding and prepping for paint at the Hindry Station.



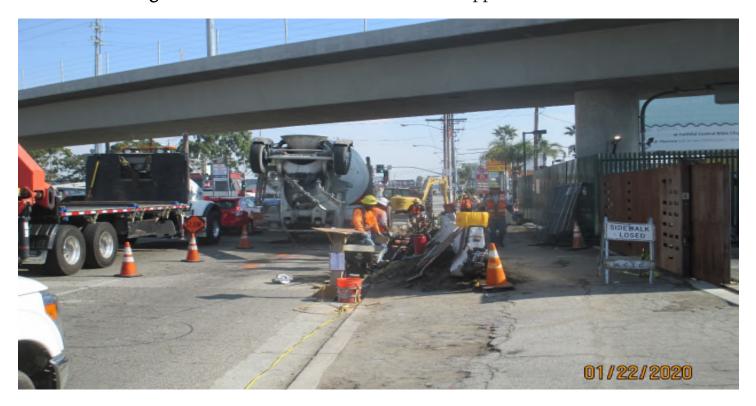
Florence/Hindry: – WSCC labor measuring crossing warning device foundation for pull box on SB track Hindry Ped.



Manchester Bridge: – Curb and gutter grading and setting forms on the south side of Manchester.



Manchester Bridge: – Removal of the El Pollo Loco drive approach on Manchester.



Manchester Bridge: – Start of the concrete placement for the curb and gutter on Manchester.



Manchester Bridge: – Placing gutter concrete at Manchester.



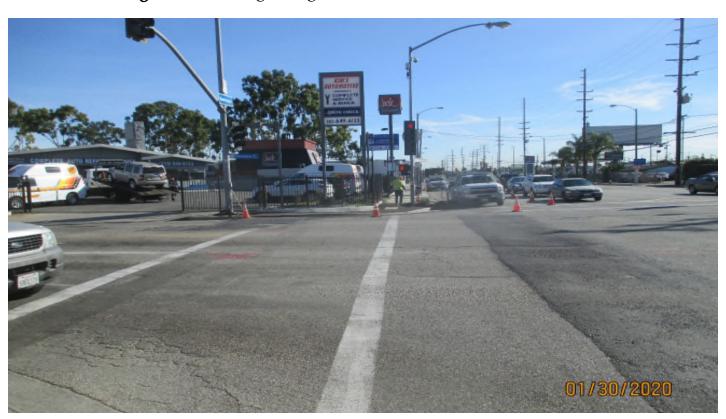
CRENSHAW/LAX PHOTOGRAPHIC UPDATE Manchester Bridge: – Curb removal and grading at Manchester and Florence.



Manchester Bridge: - Setting anchor bolts for a light pole foundation on Manchester



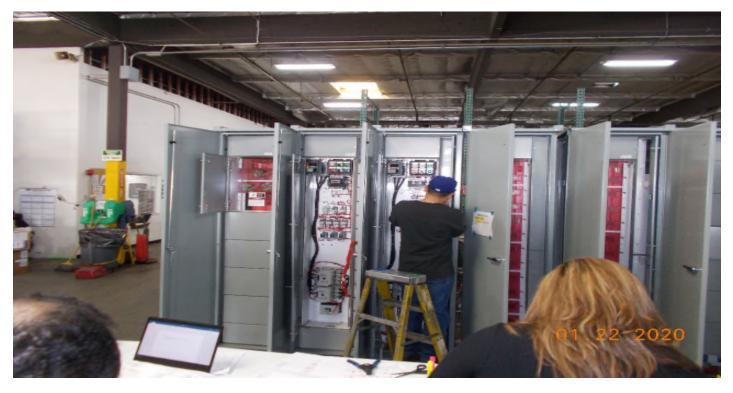
Manchester Bridge: – Sidewalk grading on Manchester.



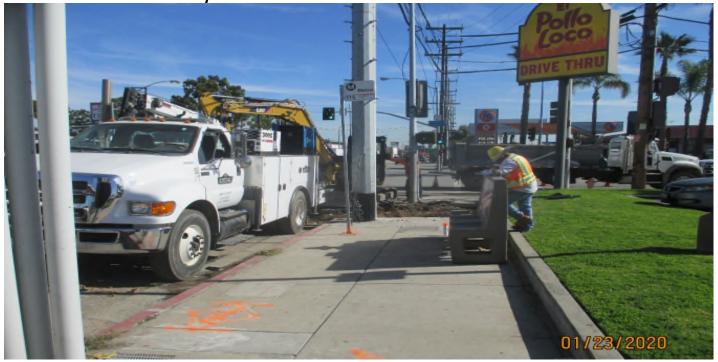
Manchester Bridge: – Electrical pull box installation on the NE corner of Florence and Manchester.



UG - 1 - RESA testing facility - Wiring controls for testing UG1-MCC



UG - 1 – RESA testing facility - FAT for UG1-MCC



Aviation/Century - Sidewalk demo on the south east corner of Manchester and Aviation.



Aviation/Century – Demo and rough grading at the Aviation Station plaza area.



Aviation/Century – Potholing to locate utilities on Aviation at 111th.



Aviation/Century – Welding the Aviation Station deck supports for the eliminated Supervisor's booth.



Aviation/Century - Excavating for an electrical trench at the Aviation Station

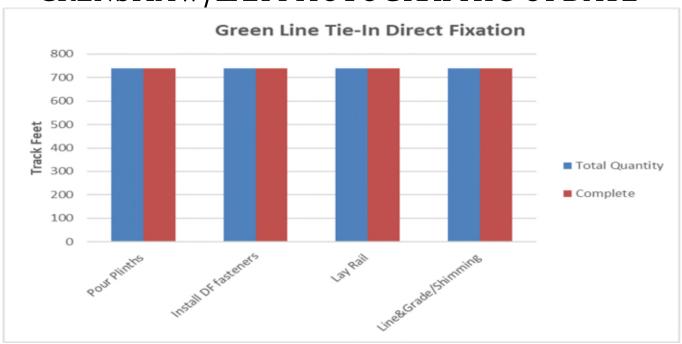


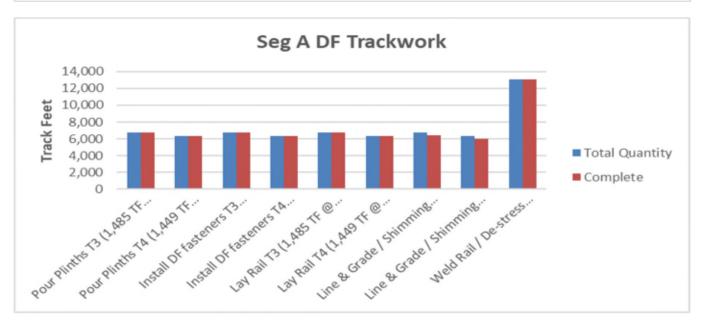
Aviation/Century - Excavating for an electrical trench at the Aviation Station

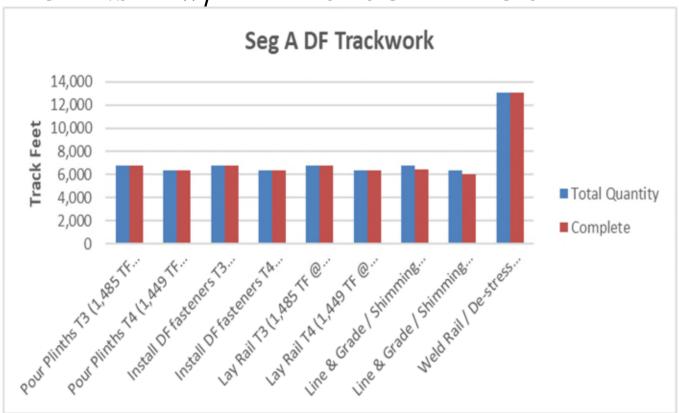
SEGMENT A:

- Rework is needed for emergency walkway insert plates due to miss-alignment
- Disturbed ballast due to systems electrical conduit relocations continues to be repaired and re-dressed

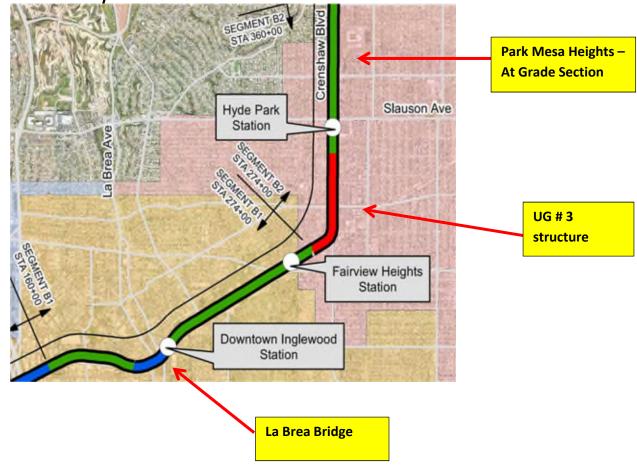
| | | PROJECT WIDE TRACKWORK | PROGR | ESS | | | | |
|------------------|---|---|------------------------|----------------------|-----------|------------------------|------------------|-----------|
| | TRACK TYPE | ACTIVITY | TRACK FEET/QUANTITY | INSTALLED TO DATE | REMAINING | ACTIVITY % PROGRESS | Potential Rework | Punchlist |
| GREENLINE TIE-IN | | Pour Plinths | 738 | 738 | 0 | 100.00% | | 1 |
| | DIRECT FIXATION | Install DF fasteners | 738 | 738 | 0 | 100.00% | | |
| | | Lay Rail | 738 | 738 | 0 | 100.00% | | |
| | | Line&Grade/Shimming | 738 | 738 | 0 | 100.00% | | |
| | | Weld Rail/ Destress | | | | | | |
| | | Emergency Walkway | 4 | 4 | 0 | 100.00% | | IN |
| | | Acceptance for turnover to subcontractors | yes/no | yes | | | | |
| | SPECIAL TRACKWORK | DF Double Crossovers (Diamond XING 1 & 2) | 2 | 2 | 0 | 100.00% | | |
| | | Line & Grade / Shimming | 2 | 2 | 0 | 100.00% | | |
| | | DF Single Crossovers (A/F, B/E, C/F, D/E) | 4 | 4 | 0 | 100.00% | | |
| | | Line & Grade / Shimming | 4 | 4 | 0 | 100.00% | | |
| | | Thermite Welds | 40 | 40 | 0 | 100.00% | | |
| | | Insulated Joints (IJ's) | 28 | 28 | 0 | 100.00% | * | |
| | | Acceptance for turnover to subcontractors | yes/no | yes | | | | |
| SEGMENT A | DF (13,089 TF include 395 TF of K1/K2 XO) | Pour Plinths T3 (1,485 TF @ wye + 4,884 TF + 395 TF K1/K2 XO) (Insert rework continues) | 6,763 | 6,763 | 0 | 100.00% | * | |
| | | Pour Plinths T4 (1,449 TF @ wye + 4,877 TF) (Insert rework continues) | 6,326 | 6,326 | 0 | 100.00% | * | |
| | | Install DF fasteners T3 (1,485 TF @ wye + 4,884 TF + 395 TF K1/K2 XO) | 6,763 | 6,763 | 0 | 100.00% | * | |
| | | Install DF fasteners T4 (1,449 TF @ wye + 4,877 TF) | 6,326 | 6,326 | 0 | 100.00% | • | |
| | | Lay Rail T3 (1,485 TF @ wye + 4,884 TF + 395 TF K1/K2 XO) | 6,763 | 6,763 | 0 | 100.00% | | |
| | | Lay Rail T4 (1,449 TF @ wye + 4,877 TF) | 6,326 6,763 | 6,326 6,425 | 0 338 | 100.00% 95.00% | | |
| | | Line & Grade / Shimming T3 (1,485 TF @ wye + 4,884 TF + 395 TF K1/K2 XO) Line & Grade / Shimming T4 (1,449 TF @ wye + 4,877 TF) | 6,326 | 6,010 | 316 | 95.00% | | |
| | | Weld Rail / De-stress (Rework complete) | 13,089 | 13089 | 0 | 100.00% | * | |
| | | Emergency Walkway | 13,009 | 13003 | U | 100.00% | | |
| | | Acceptance for turnover to subcontractors | yes/no | no | | | | |
| | BALLASTED TRACKWORK (20,551 TF including grade crossing, Yard Leads & Tail Track) | Install Bottom Ballast (T3+T4, and include SYL, NYL & Tail Track) | 20,551 | 20,551 | 0 | 100.00% | * | |
| | | Install ties, rail / clips, top ballast T3 (9,480 TF) + SYL (244 TF) + NYL (937 TF) | 10,661 | 10,661 | 0 | 100.00% | * | |
| | | Install ties, rail / clips, top ballast T4 (9,475 TF) + Tail Track (415 TF) | 9,890 | 9,890 | 0 | 100.00% | * | |
| | | Surface and line / Regulate T3 + SYL + NYL | 10,661 | 10,661 | 0 | 100.00% | * | п |
| | | Surface and line / Regulate T4 + Tail Track | 9,890 | 9,890 | 0 | 100.00% | * | - 11 |
| | | Weld Rail / De-stress | 20,550 | 20,550 | 0 | 100.00% | * | Ш |
| | | Emergency Walkway | 9,176 | 9,176 | 0 | 100.00% | * | П |
| | | Acceptance for turnover to subcontractors | yes/no | no | | | | |
| | SPECIAL TRACKWORK | Ballasted Double Crossover (G1/G2, H1/H2) | 2 | 2 | 0 | 100.00% | | |
| | | DF Single Crossover (K1/K2) | 2 | 2 | 0 | 100.00% | | |
| | | Line & Grade / Shimming | 2 | 0 | 2 | | | |
| | | Ballasted Single Crossover (I1/IEQ, I2/IEQ, M1/M2, N1/N2) | 4 | 4 | 0 | 100.00% | | |
| | | Install switches (A,B,C,D,E,F,G1,G2,H1,H2,I1,I2,IEQ,S,N1,N2,M1,M2 = 18) | 18 | 18 | 0 | 100.00% | | |
| | | Thermite Welds | 130 | 130 | 0 | 100.00% | | |
| | | Insulated Joints (IJ's) | 74 | 74 | 0 | 100.00% | | : |
| | | Acceptance for turnover to subcontractors | yes/no | no | | | | |
| | GRADE X-ING | Construct Crossing (Arbor Vitae, Hindry) | 2 | 2 | | 100.00% | | |
| = | Direct Fixation | | | | | | | L |
| = | Track 3 | | | | | | | \vdash |
| = | Track 4 | | | | | | | \vdash |
| = | Track Feet | | | | | | | |
| * | Potential for rew | ork based on recent guideway survey. Total impact of rework is unknown at this time. | | | | | | L |
| ** | Down ability Communic | te/Incomplete: Indicates the completion (COMP) or Incompletion (INC) of identified pur | nchlist itams | | | | | |







Segment B





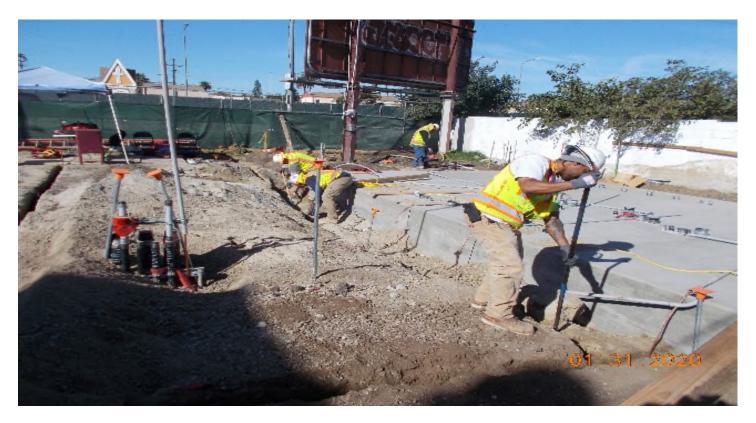
Park Mesa – Backfilling and compacting for new concrete sidewalk placement on 60th St & Crenshaw Blvd. 1/24/20



Park Mesa – Began rebar installation and concrete placement of the Aux Power Site pad at TPSS#7 on 60th St & Crenshaw Blvd.



Park Mesa – Began stripping formwork of the Aux Power Site pad at TPSS#7 on 60th St & Crenshaw Blvd.



Park Mesa – Continue working on ground grid system around the Aux Power Site pad at TPSS#7 on 60th St & Crenshaw Blvd.



Park Mesa – Resumed LADWP main line tie-in on the intersection of 60th St & Crenshaw Blvd.



Park Mesa – Excavation of northbound sidewalk near the southeast corner of 60th St & Crenshaw Blvd. 1/21/20



Park Mesa – Form installation for new curb/gutter on the northeast corner of 60th St & Crenshaw Blvd. 1/21/20



Park Mesa – Excavating northbound ballast wall for median embedded cobble installation on Crenshaw Blvd between 57th and 54th St. 1/27/20



Park Mesa – Began sidewalk excavation on the northeast corner of 48th St and Crenshaw Blvd. 1/20/20



Park Mesa – Continued moving northbound and extending sidewalk excavation from the northeast corner of 48th St and Crenshaw Blvd. 1/23/20



Park Mesa – Began formwork for meter/utility boxes on Crenshaw Blvd between Brynhurst Ave to 48th St. 1/22/20



Park Mesa – Resume concrete placement of sidewalk on Crenshaw Blvd between Brynhurst Ave to 48th St. 1/23/20



Hyde Park Station – Excavation for new curb/gutter and ADA ramp on the southwest corner of 58th St & Crenshaw Blvd. 1/27/20



Hyde Park Station – Placing concrete for new curb/gutter, sidewalk and ADA ramp on the north and southwest corners of 58th St & Crenshaw Blvd. 2/1/20



UG3 – Excavation for the southwest sidewalk curb of "New Road" at the intersection of Crenshaw Blvd. 1/23/20.



UG3 – Building curb/gutter forms for southwest corner of "New Road" at the intersection of Crenshaw Blvd. 1/27/20



UG3 - Concrete placement of the eastbound sidewalk of "New Road."



UG3 – Began formwork for new curb/gutter on the northbound sidewalk of North Victoria Ave. 1/20/20



 $\mbox{\bf UG3}$ – Continued excavation and compaction for new curb/gutter at North Victoria Ave. 1/24/20



 $\mbox{\bf UG3}$ – Continued excavation and compaction for new curb/gutter at North Victoria Ave. 1/27/20



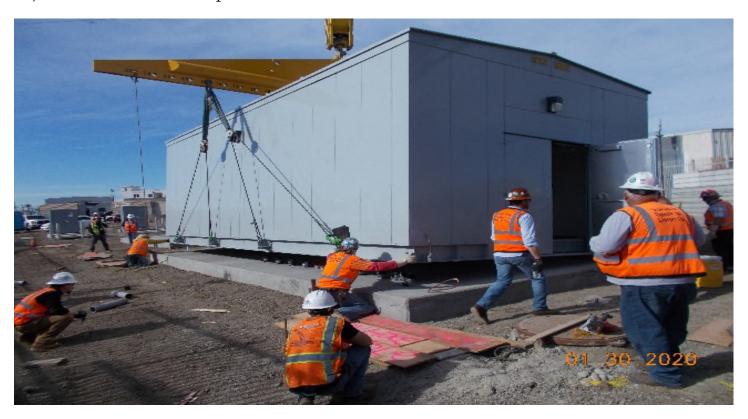
UG3 –Continued excavation and compaction for new curb/gutter at North Victoria Ave. 1/27/20



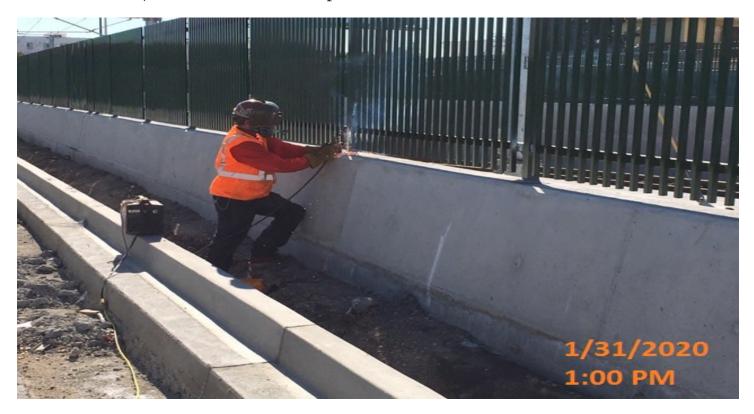
UG3 – Installing 1" PVC inside trenches for site lighting around the auxiliary power site at Victoria Yard adjacent to the south end portal.



UG3 – Delivering the sub-station bungalow for the auxiliary power site at Victoria Yard adjacent to the south end portal.



UG3 – Placing the auxiliary power bungalow and generator on top of equipment pads at Victoria Yard adjacent to the south end portal.



UG3 – Resume welding fence posts and panels along the north and southbound track walls.



 ${\bf UG3}$ – Continued new curb/gutter and ADA ramp installation on the northeast corner of 67th St and Crenshaw Blvd. 1/18/20



 ${\bf UG3}$ – Excavating for the installation of signal light conduits on the northeast corner of 67th St and Crenshaw Blvd. 1/23/20



UG3 – Began excavation for new curb/gutter and ADA ramp installation on the southeast corner of 67th St and Crenshaw Blvd. 1/24/20



UG3 – Excavation and removal of existing northbound curb/gutter and abandoned rail lines near the southeast corner of 67th St and Crenshaw Blvd. 1/21/20



UG3 – Continued excavation and removal of existing northbound curb/gutter and abandoned rail lines near the southeast corner of 67th St and Crenshaw Blvd. 1/22/20



UG3 – Continued excavation for new curb/gutter and ADA ramp installation and abandoned rail lines near the southeast corner of 67th St and Crenshaw Blvd. 1/23/20



UG3 – Excavating and removing existing rail lines and roadway along the northbound lane of 67th St and Crenshaw Blvd. 1/27/20



UG3 – Continued excavating and removing existing rail lines and roadway along the northbound lane of 67th St and Crenshaw Blvd. 1/28/20



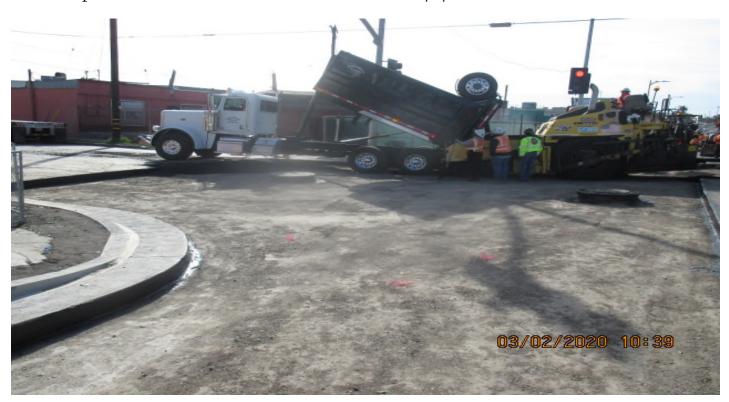
UG3 – Continued excavating, backfilling and compacting to roadway grade on 67th St and Crenshaw Blvd. 1/29/20



UG3 – Continued excavating, backfilling and compacting to roadway grade on 67th St and Crenshaw Blvd. 1/30/20



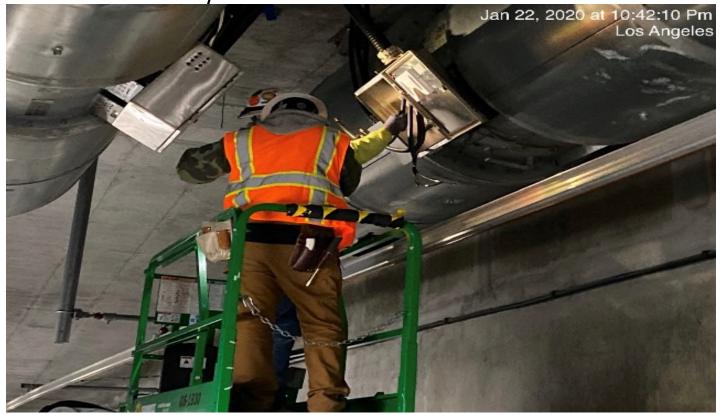
UG3 – Continued backfilling and compacting to final roadway grade in preparation for concrete placement on 67th St and Crenshaw Blvd. 2/1/20



UG3 – Placing asphalt concrete on the intersection of 67th St and Crenshaw Blvd. 2/3/20



UG3 – Continue wiring and running cable for the booster fans at the southbound tunnel at Sta 300+00.



UG3 – Continue wiring and running cable for the booster fans at the northbound tunnel at Sta 301+25



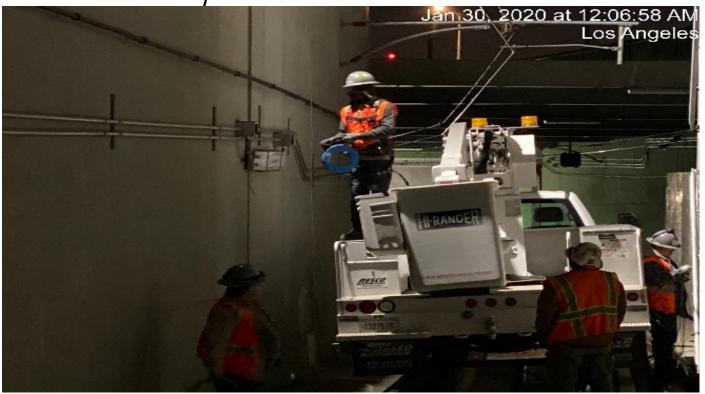
UG3 – Continue wiring and running cable for the booster fans at the northbound tunnel at Sta 307+25.



UG3 – Continue wiring and running cable for the last booster fans located at the 4th Niche of the northbound tunnel.



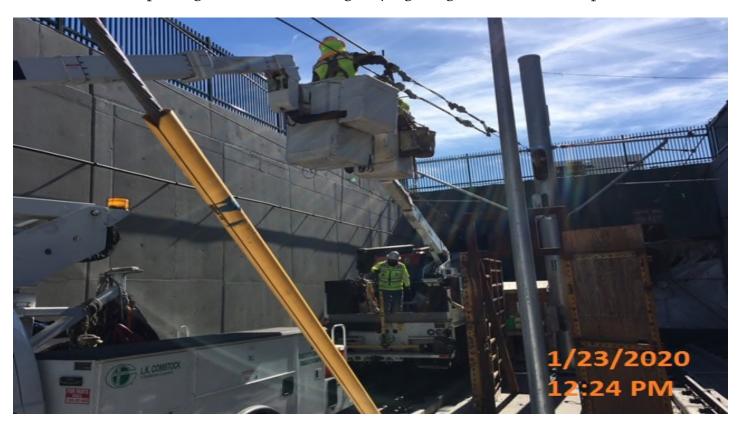
UG3 – Pulling wire for the emergency lighting at the south end portal entrance.



UG3 – Continue pulling wire for the emergency lighting at the south end portal entrance.



UG3 – Continue pulling wire for the emergency lighting at the south end portal entrance.



UG3 – Regulating OCR balance points at the north end portal at Sta 373+20.



Crenshaw/Slauson – STA318+00_ Looking North_ Wood blocks set along Slauson Station Platform.



Crenshaw/Slauson – STA318+00_ Looking North_ Wood blocks set along Slauson Station Platform.



Florence/West – STA262+75_ Track structure disturbed to set Xing foundation between tracks_ West.



Florence/West – STA262+75_ Track structure disturbed to set Xing foundation between tracks_ Detail_ West.



Florence/West – STA262+75_ Looking South_ Between tracks track ballast disturbance for landing pad construction investigation_ West.



Florence/West – STA262+74_ Looking South_ Track ballast removal 4 pedestrian landing pad_ West.



Florence/Brea – STA220+50_ Looking North_ left shoulder track ballast disturbed around SD CO_ La Brea.



Florence/Brea – La Brea MSE wall STA 207+00 SB #3 track open ballast trench.



Florence/Brea – STA211+30_ Looking North_ Track structure disturbed_ PUNCH LIST_ La Brea.



Florence/Brea – STA207+60_ Looking North_ Unsuitable rock AC & dirt spilled over track ballast_ La Brea



Florence/Brea - STA211+55_ Right shoulder CIDH set light foundation_ La Brea north



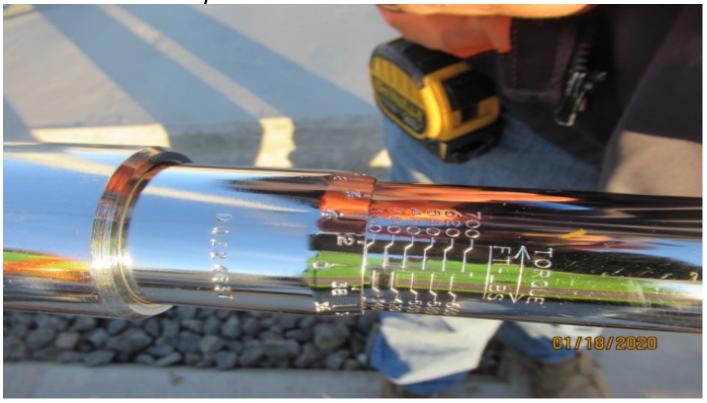
Florence/Brea – STA211+20_ Looking South_ Dirt spill over track ballast_ PUNCH LIST_ La Brea.



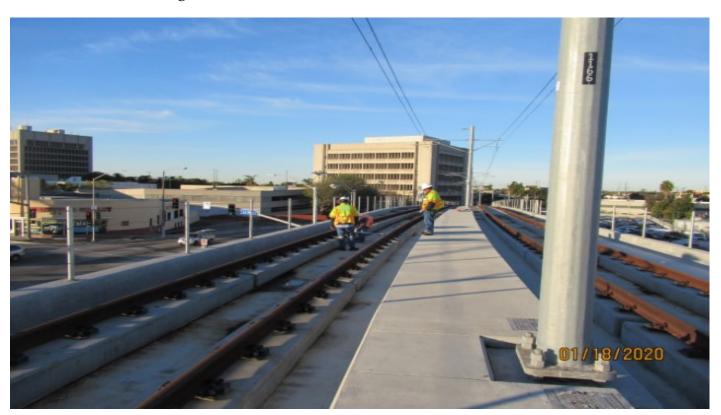
Florence/Brea – STA218+06_ Looking North_ Dirt spill over track ballast_ PUNCH LIST_ La Brea



Florence/Brea – STA213+50_ Looking South_ Track geometry check_ La Brea.



Florence/Brea – WSCC calibration wrench set for 300 FT.LBS prior to verifying DF fastener bolts on LA Brea bridge



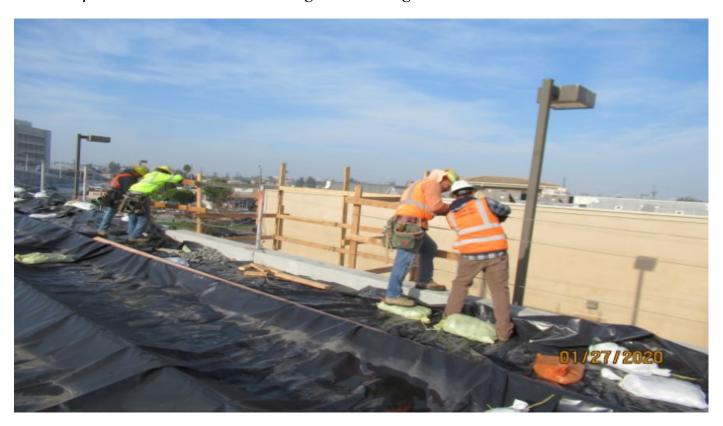
Florence/Brea – Metro WW inspectors witnessing torque procedure on NB #4 track at La Brea bridge STA 201+80.



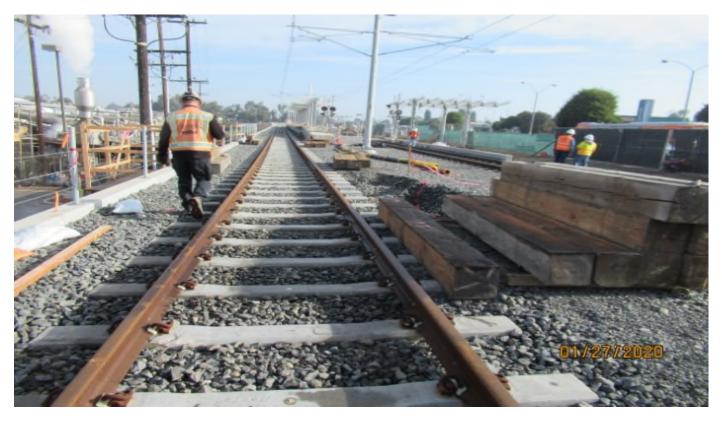
Florence/Brea – Metro WW inspectors & WSCC QC inspector performing, inspection on NB track at La Brea bridge.



Florence/Brea – STA225+25_ Looking South_ Alignment view_ Centinela_ La Brea.



Florence/Brea – WSCC carpenters assembling temp. scaffolding on La Brea MSE wall for investigation work on spoils STA 204+50



Florence/Brea – False work timbers on site for temp. crossing on La Brea MSE wall for drill rig.



Florence/Brea – WSCC carpenters on La Brea MSE wall, preparing temp. crossings for drill rig.

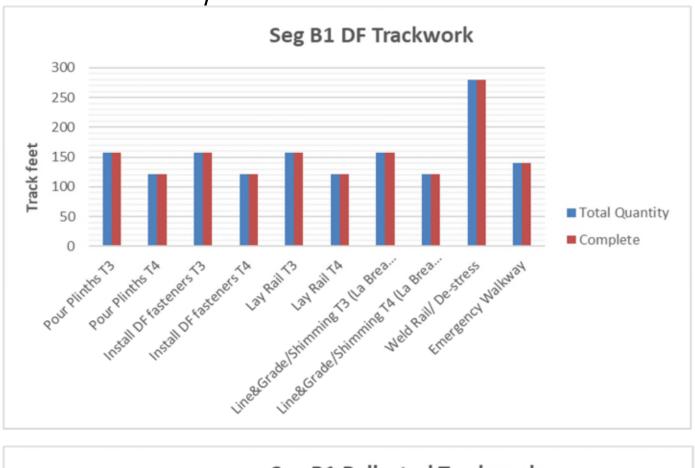


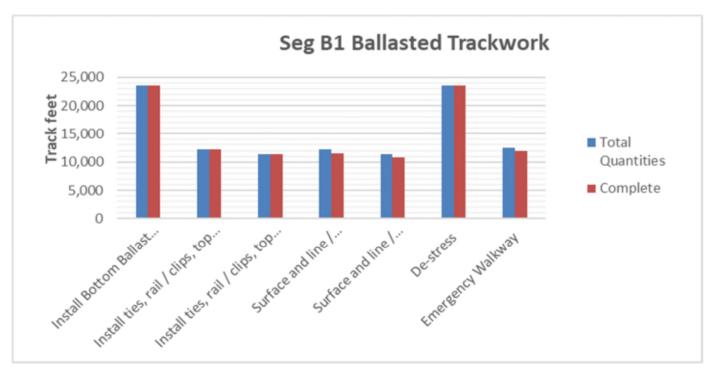
Florence/Brea – WSCC QC & Metro QC personal holding field meeting for investigation work to be performed on La Brea OP.

SEGMENT B1:

Disturbed ballast due to systems electrical conduit relocations continues to be repaired and re-dressed

| | PROJECT WIDE TRACKWORK PROGRESS | | | | | | | |
|------------|--|---|------------------------|----------------------|-----------|------------------------|------------------|-------------------------------------|
| | TRACK TYPE | ACTIVITY | TRACK FEET/QUANTITY | INSTALLED TO DATE | REMAINING | ACTIVITY % PROGRESS | Potential Rework | Punchlist** (Complete/Incomplete |
| SEGMENT B1 | DF (279 TF) | Pour Plinths T3 | 158 | 158 | 0 | 100.00% | | |
| | | Pour Plinths T4 | 121 | 121 | 0 | 100.00% | | |
| | | Install DF fasteners T3 | 158 | 158 | 0 | 100.00% | * | INC |
| | | Install DF fasteners T4 | 121 | 121 | 0 | 100.00% | * | INC |
| | | Lay Rail T3 | 158 | 158 | 0 | 100.00% | | |
| | | Lay Rail T4 | 121 | 121 | 0 | 100.00% | | |
| | | Line & Grade / Shimming T3 (La Brea Bridge) | 158 | 158 | 0 | 100.00% | | |
| | | Line & Grade / Shimming T4 (La Brea Bridge) | 121 | 121 | 0 | 100.00% | | |
| | | Weld Rail / De-stress | 279 | 279 | 0 | 100.00% | | |
| | | Emergency Walkway | 140 | 140 | 0 | 100.00% | | |
| | | Acceptance for turnover to subcontractors | yes/no | no | | | | |
| | | Install Bottom Ballast (T3+T4 and Siding) | 23,506 | 23,506 | 0 | 100.00% | * | INC |
| | BALLASTED | Install ties, rail / clips, top ballast T3 + Siding | 12,184 | 12,184 | 0 | 100.00% | * | INC |
| | TRACKWORK | Install ties, rail / clips, top ballast T4 | 11,322 | 11,322 | 0 | 100.00% | * | INC |
| | (23,506 TF | Surface and line / Regulate T3 + Siding | 12,184 | 11,575 | 609 | 95.00% | | |
| | including grade | Surface and line / Regulate T4 | 11,322 | 10,756 | 566 | 95.00% | | |
| | crossings and | De-stress | 23,506 | 23,506 | 0 | 100.00% | | |
| | Siding track) | Emergency Walkway | 12,506 | 12,000 | 506 | 95.95% | * | INC |
| | | Acceptance for turnover to subcontractors | yes/no | yes | | N/A | | |
| | SPECIAL TRACKWORK | Ballasted Single Crossover (O1/O2, P1/P2, Q1/Q2, T1/T2) | 4 | 4 | 0 | 100.00% | | |
| | | Install switches (M, O1, O2, P1, P2, Q1, Q2, R, T1, T2 = 10) | 10 | 10 | 0 | 100.00% | | |
| | | Thermite Welds | 104 | 104 | 0 | 100.00% | * | |
| | | Insulated Joints (IJ's) | 43 | 43 | 0 | 100.00% | * | |
| | | Acceptance for turnover to subcontractors | yes/no | No | | | | |
| | GRADE X-ING | Construct Crossing (O ak/Cedar/Eucalyptus/Ivy/Centinela, High (50%), West , Brynhurst) | 8 | 8 | | 100.00% | | |
| DF = | Direct Fixation | | | | | | | |
| T3 = | Track 3 | | | | | | | |
| T4 = | Track 4 | | | | | | | |
| TF = | Track Feet | | | | | | | |
| * | Potential for rew | ork based on recent guideway survey. Total impact of rework is unknown at this time. | | | | | | |
| ** | Punchlist Complete/Incomplete: Indicates the completion (COMP) or Incompletion (INC) of identified punchlist items | | | | | | | |

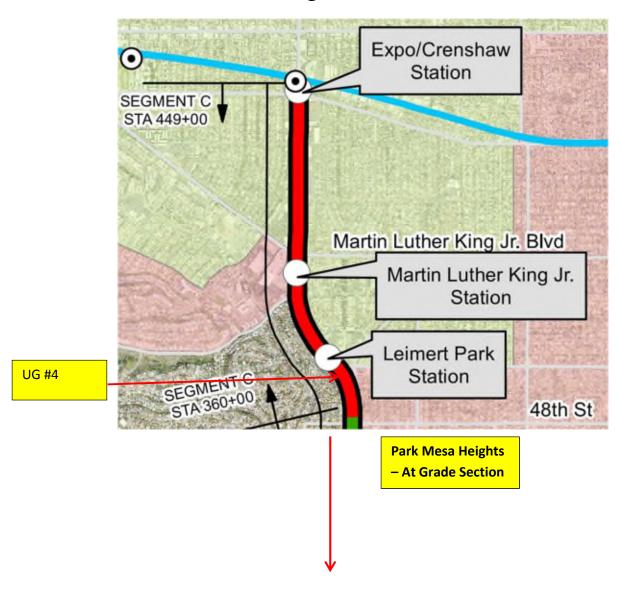




SEGMENT B2:

Disturbed ballast due to systems electrical conduit relocations continues to be repaired and re-dressed

Segment C

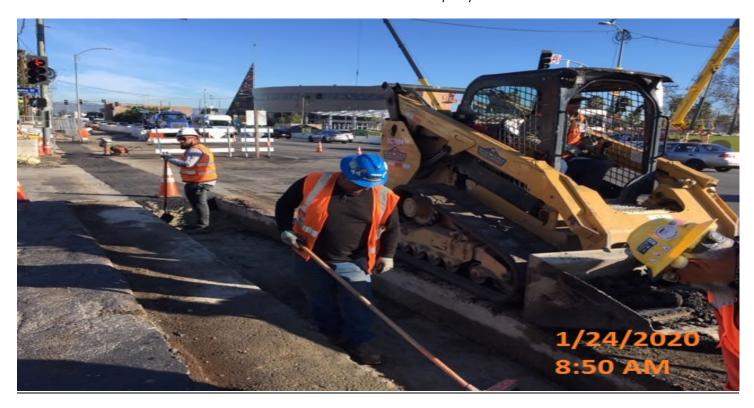




Expo Station - Sac and patching inside the barrel of Manhole#18 on the southwest corner of Rodeo Blvd and Crenshaw Blvd.



Expo Station - Applying slurry encasement over 24" RCP for Line U – storm drain on the northwest corner of Rodeo Blvd and Crenshaw Blvd. 1/20/20



Expo Station - Prepping for AC placement and paving of completed 24" RCP for Line U – storm drain on the northwest corner of Rodeo Blvd and Crenshaw Blvd.



Expo Station - Excavating and shoring for Line W – storm drain near the northwest corner of Rodeo Blvd and Crenshaw Blvd.



Expo Station - Continued excavating and prepping to install the 24" RCP for Line W – storm drain on the northwest corner of Rodeo Blvd and Crenshaw Blvd.



Expo Station - Excavating for station light pole base on the northeast corner of the plaza adjacent to the Metro Exposition Line.



Expo Station - Applying second coat of paint to the wind screen curbs and preparing to prime the main entrance canopy at the plaza level.



Expo Station - Continue excavating for drainage adjacent to structural Elevators 1&2 at the plaza level.



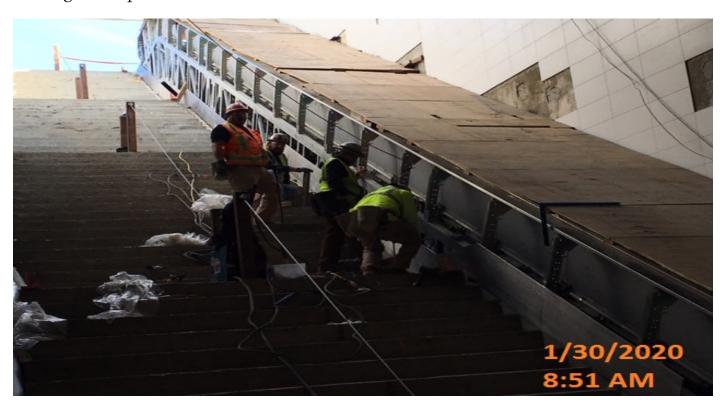
Expo Station - Began laying out HDPE pipe and connecting inlets for the under drainage system on the west side of the plaza level.



Expo Station - Continue laying out HDPE pipe and connecting inlets for the under drainage system on the west side of the plaza level.



Expo Station - Setting and installing edge plates for Escalator 1&2 at the main staircase landing of the plaza level.



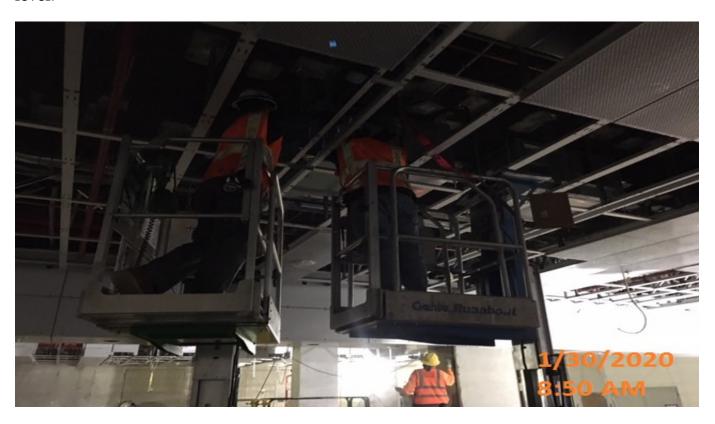
Expo Station - Continued installing edge plates for Escalator 1&2 at the main staircase landing of the plaza level.



Expo Station - Continue painting interior door jamb/hinge connections at the concourse level.



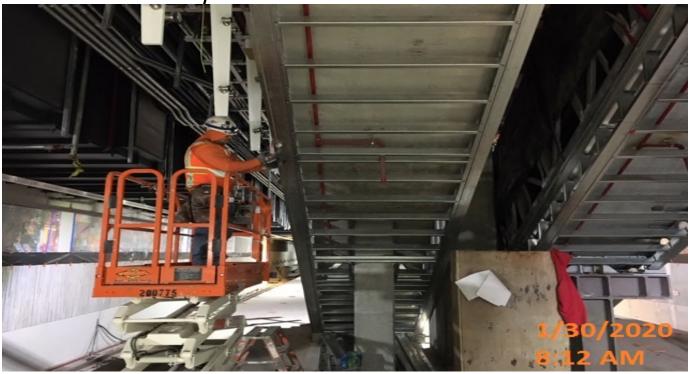
Expo Station - Hosting AC units into the ceiling of the Free Area C – 133 at the concourse level.



Expo Station - Installing refrigerant lines for the AC units in the Free Area C – 133 of the concourse level.



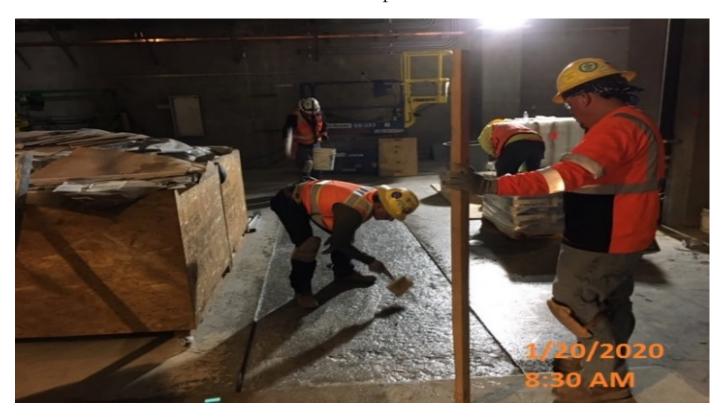
Expo Station - Began bolting flex connection for both EVF-8-151 and 8-351 in the South Fan Room C – 104 of the concourse level.



Expo Station - Installation of laminated cladding frame for the metal panels beneath staircase 1&2 and escalator 3&4 at the platform level.



Expo Station - Continue installation of laminated cladding frame for the metal panels beneath staircase 1&2 and escalator 3&4 at the platform level.



Expo Station - Continue expanding and applying concrete bonder to the dielectric pad in the TPSS Room T – 115 at the invert level.



MLK Station - Grading gutter in preparation for paving from Sta 129+50 – 130+05 at the plaza level.



MLK Station - Excavation and removal of abandoned 10" oil pipe located on the southwest corner of Martin Luther King Blvd and Crenshaw Blvd.



MLK Station - Continued excavation and removal of abandoned 10" oil pipe located on the southwest corner of Martin Luther King Blvd and Crenshaw Blvd.



MLK Station - Capping and removing abandoned 10" oil pipe located on the southwest corner of Martin Luther King Blvd and Crenshaw Blvd.



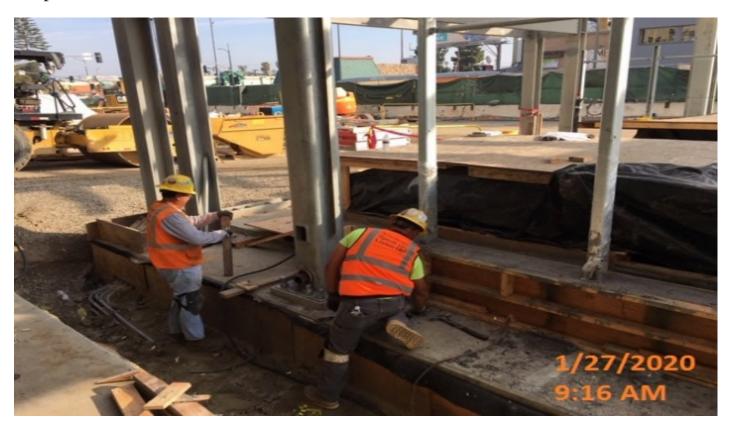
MLK Station - Patching inside of 18" RCP pipe that was tied into with 33" RCP Line G – storm drain at the plaza level.



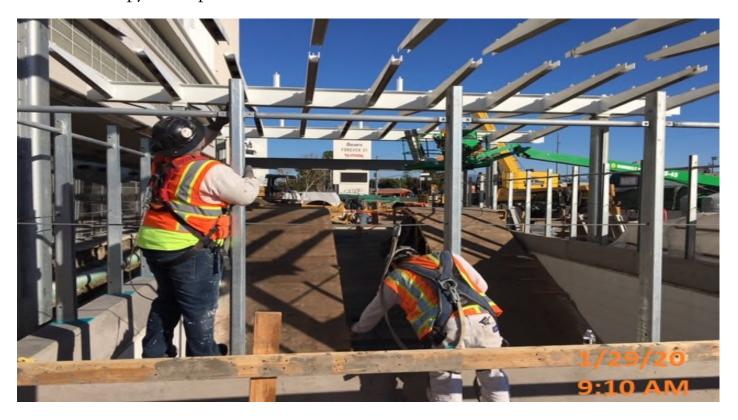
MLK Station - Building formwork for Catch Basin #3 to connect with 33" RCP Line G – storm drain at the plaza level.



MLK Station - Concrete placement of the wind screen curbs on the main entrance canopy at the plaza level.



MLK Station - Removing and stripping formwork from the wind screen curbs on the main entrance canopy at the plaza level.



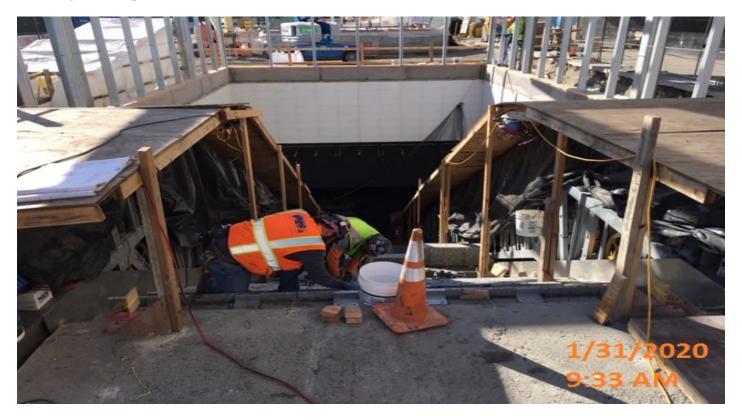
MLK Station - Preparing to prime the wind screen curbs around the main entrance canopy at the plaza level.



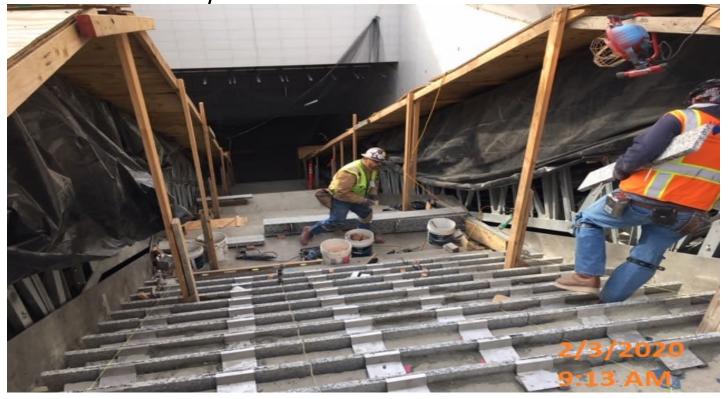
MLK Station - Continued installing edge plates for Escalator 1&2 at the main staircase landing of the plaza level.



MLK Station - Continued installing edge plates for Escalator 1&2 at the main staircase landing of the plaza level.



MLK Station - Began installing granite risers at the main staircase landing of the plaza level.



MLK Station - Continue installing granite risers at the main staircase landing of the plaza level.



MLK Station - Continued jack installation and began welding starter rail brackets inside Elevator shafts 1&2 at the concourse level.



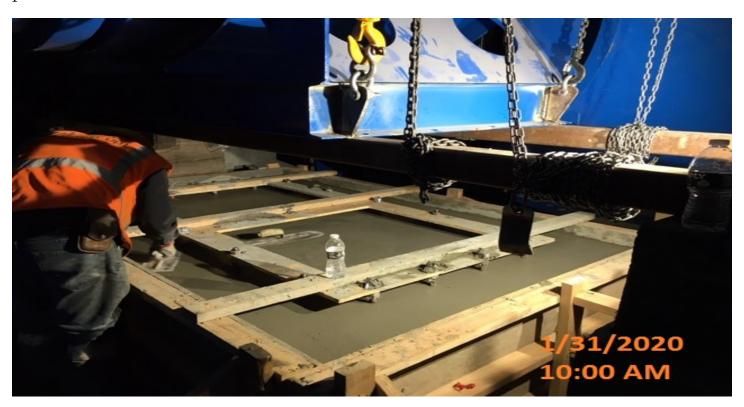
MLK Station - Continue drilling and anchoring EVF-7-122 square to round transition piece in the North Fan Room C – 142 of the concourse level.



MLK Station - Scanning and drilling dowels for EVF-7-122 and EVF-322 equipment pads in the North Fan Room C – 142 of the concourse level.



MLK Station - Began formwork and installing rebar to EVF-7-122 and EVF-322 equipment pads in the North Fan Room C-142 of the concourse level.



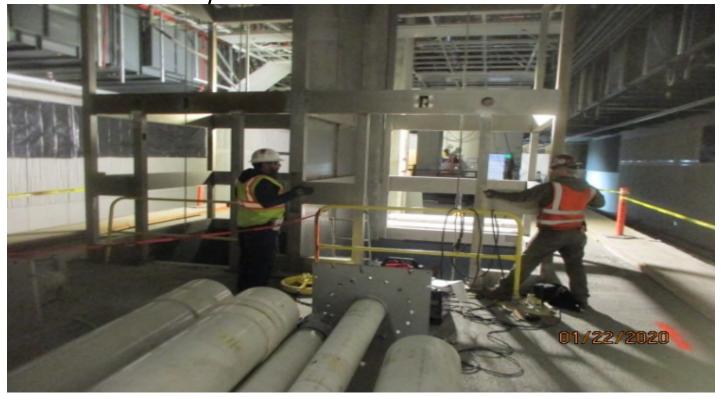
MLK Station - Placed concrete on EVF-7-122 and EVF-322 equipment pads in the North Fan Room C – 142 of the concourse level.



MLK Station - Installing bottom mat rebar for both EVF-7-121 and 7-321 equipment pads in the South Fan Room C-102 of the concourse level.



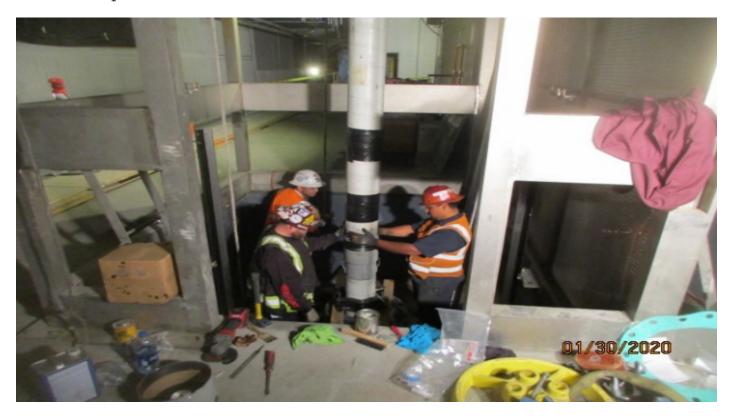
MLK Station - Prepping for concrete placement of EVF-7-121 and 7-321 equipment pads in the South Fan Room C – 102 of the concourse level.



MLK Station - Prepping to install 15" PVC into HDPE sleeve within Elevator hoist way/pit #3&4 at the platform level.



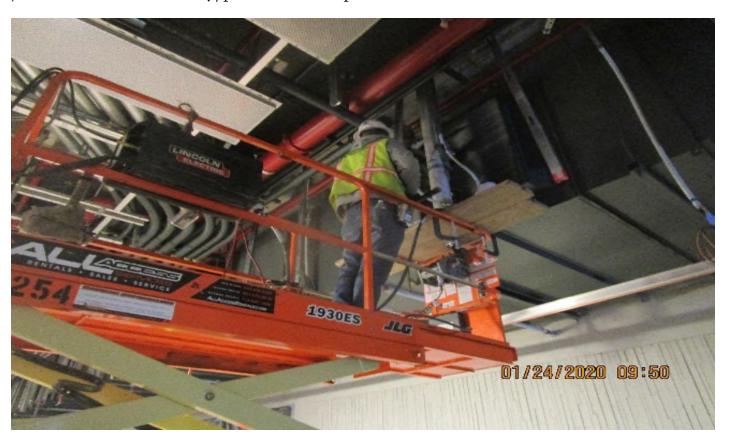
MLK Station - Rigging and installing 15" PVC into HDPE sleeve for Elevator hoist way/pit #3&4 at the platform level.



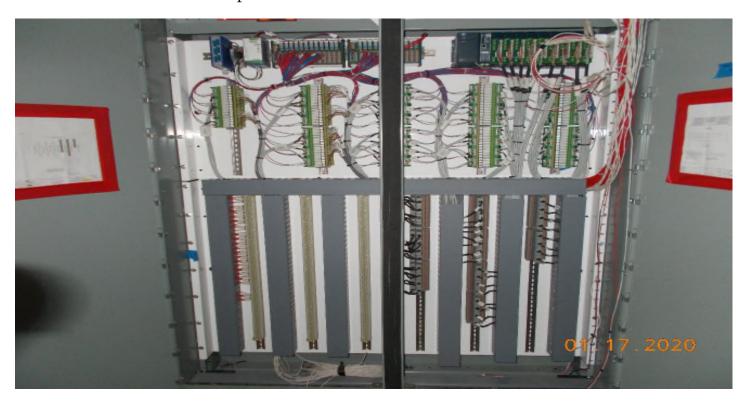
MLK Station - Continued rigging and installing 15" PVC into HDPE sleeve and hydraulic jack for Elevator hoist way/pit #3&4 at the platform level.



MLK Station - Continued rigging and installing 15" PVC into HDPE sleeve and hydraulic jack for Elevator hoist way/pit #3&4 at the platform level.



MLK Station - Resume setting and welding edge lighting support post #9 of 18 imbeds at the southbound track of the platform level.



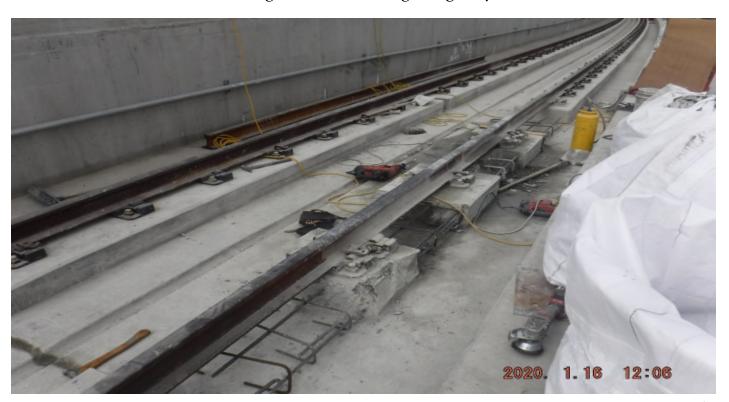
Crenshaw/MLK - In the Aux Power rooms the large CIC cabinets have the low voltage wiring completed.



Crenshaw/Vernon - Vernon Station - PX2S has had high voltage cables supported and landed.



48th Street - STA363+30_ Looking North_ Cleaning flangeway_48ST.



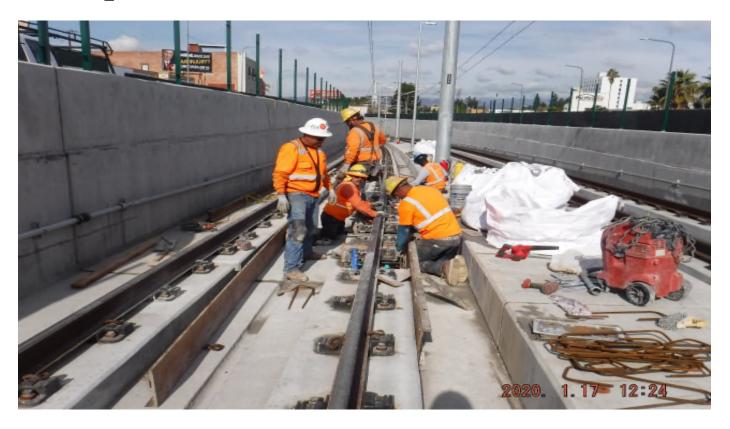
48th Street - STA365+65_ Looking North_ Right plinth demo NCR-C-129_PUNCH LIST_48ST.



48th **Street -** STA364+79_ Looking South_ Baffle plinth sample core drill backfilled NCR-C-129_48ST



48th **Street -** STA364+50_ Looking North_ Excavation full of water around OCS 1278 foundation_ 48ST



48th Street - STA365+65_ Looking North_ Right plinth demo NCR-C-129_PUNCH LIST_48ST.



48th **Street -** STA365+65_ Looking North_ Right plinth form set-up NCR-C-129_PUNCH LIST_48ST.



48th **Street -** STA364+46_ Looking North_ Track structure disturbance in search of BLS conduits_ 48ST



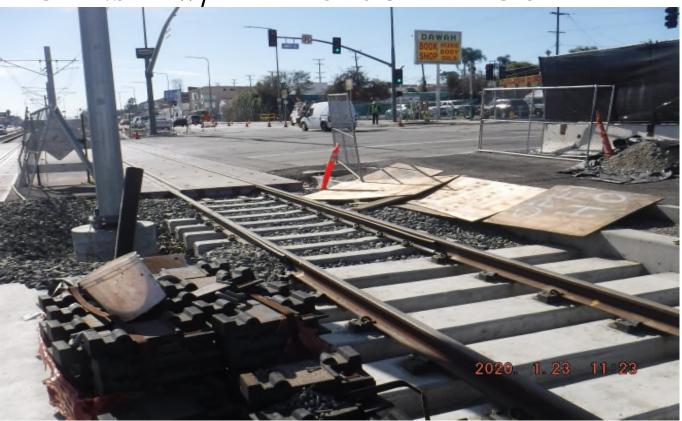
48th Street - STA365+65_ Looking North_ Right plinth PCC re-pour NCR-C-129_ PUNCH LIST_ 48ST



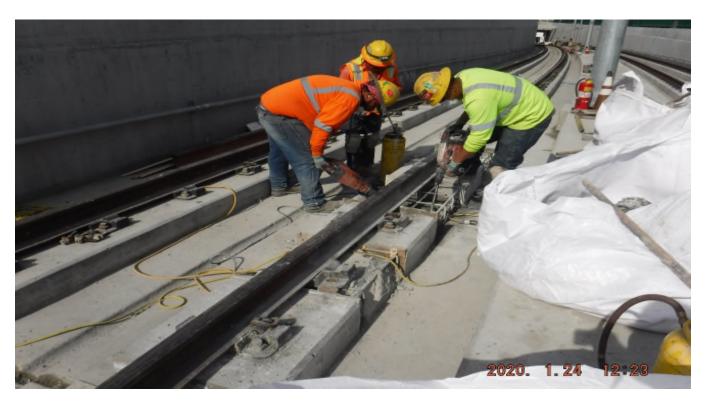
48th **Street -** STA365+85_ Looking South_ Right plinth PCC re-pour NCR-C-129_PUNCH LIST_48ST.



48th **Street -** STA364+46_ Looking South_ Track structure disturbance in search of BLS conduits_ 48ST.



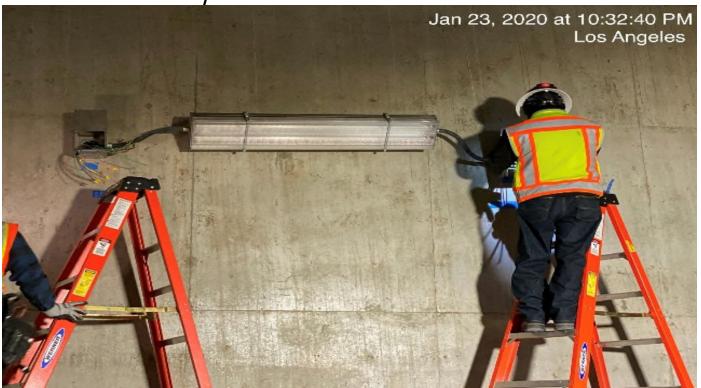
48th **Street -** STA364+46_ Looking South_ Track structure disturbance in search of BLS conduits_ 48ST.



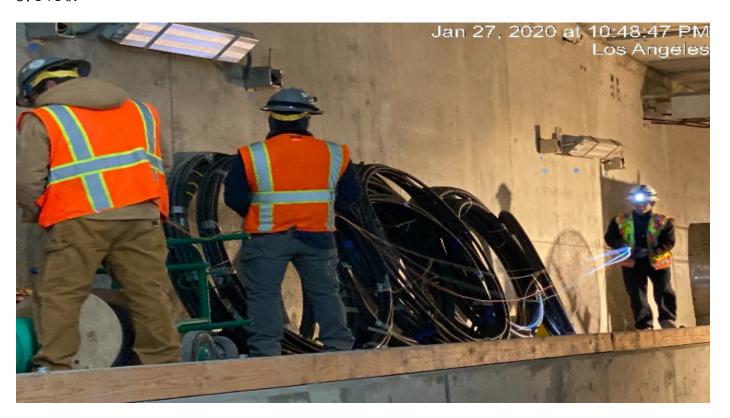
48th **Street -** STA364+46_ Looking South_ Track structure disturbance in search of BLS conduits_ 48ST.



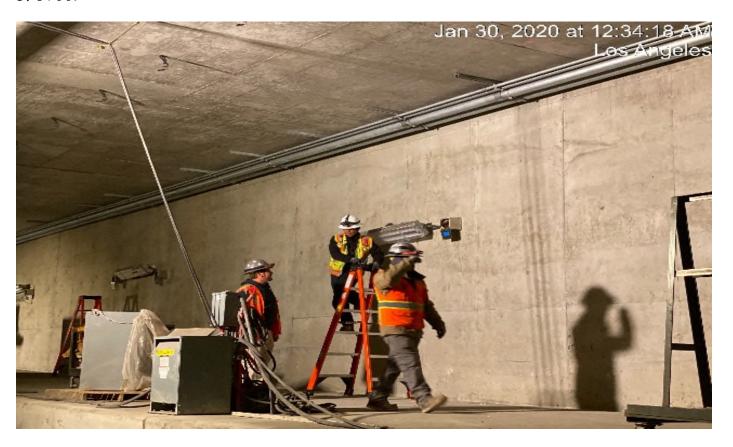
UG-4- Continue pulling wire for the emergency lighting along the northbound tunnel at Sta 375+30.



UG-4- Continue pulling wire for the emergency lighting along the northbound tunnel at Sta 375+50.



UG-4- Continue pulling wire for the emergency lighting along the northbound tunnel at Sta 376+00.



UG-4- Continue pulling wire for the emergency lighting along the northbound tunnel at Sta 376+00.



UG-4- Began wiring and running cable for the booster fans at the southbound tunnel at Sta 377+85.



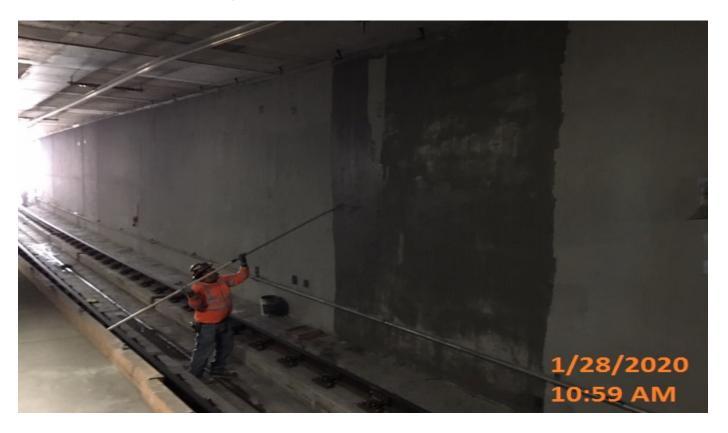
UG-4- Continued installing IDS control cabinets along the southbound tunnel at Sta 371+25.



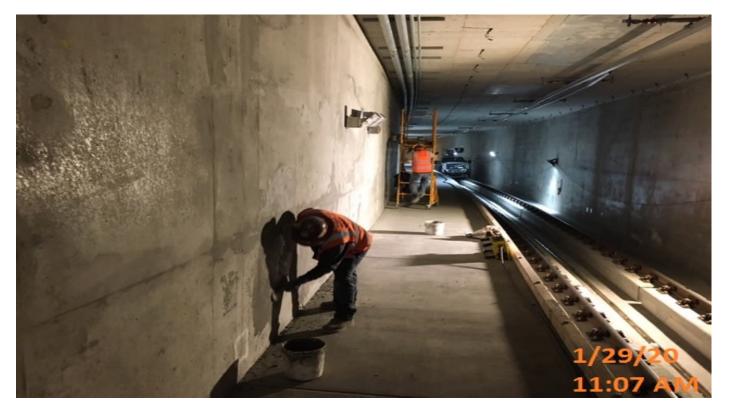
UG-4- Pulling ground wires and power to the IDS control cabinets in the southbound tunnel at Sta 371+25.



UG-4- Continue pulling ground wires and power to the IDS control cabinets in the southbound tunnel at Sta 371+25.



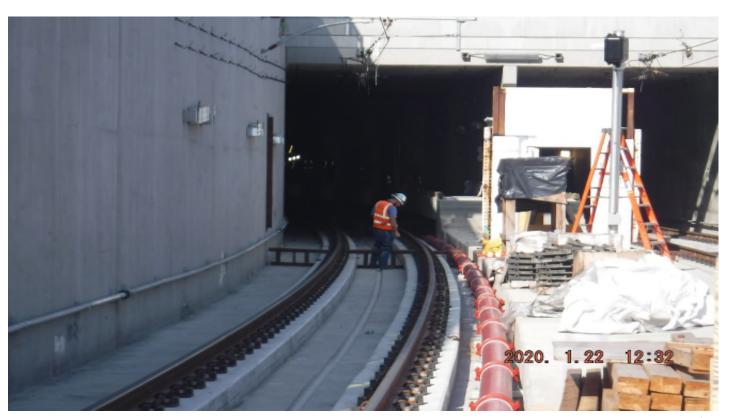
UG-4- Sack and patching, and fog curing both walls along the south and northbound tunnels from Sta 372+00 - 377+26.



UG-4- Continue sack and patch, and applying fog cure for both walls along the south and northbound tunnels from Sta 372+00-377+26.



UG-4- Continue sack and patch and applying fog cure for walls along the northbound tunnels from Sta 372+00 - 377+26.



UG-4- STA370+00_ Looking North_ WSCC investigation of plinth work_ UG4_ 48ST.



UG-4- STA371+65_ Looking North_ Water drainage issue crosswalk_ UG4_ PUNCH LIST_48ST.



UG-4- STA442+50_ XING5_ Looking North_ UG4 hi-rail_ Equipment parked_ Expo.



UG-4- STA444+40_ UG4 hi-rail_ Equipment with dirt on Expo invert



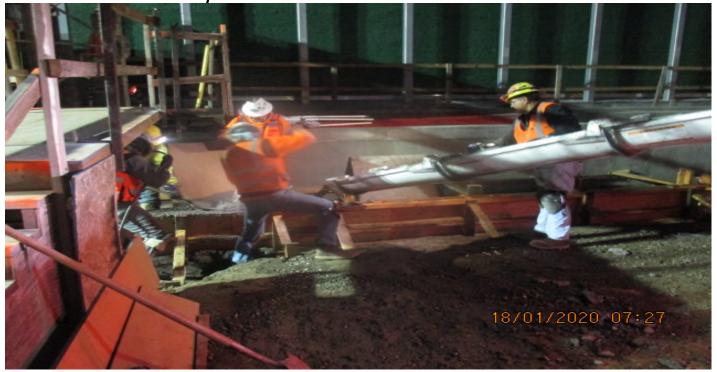
Leimert Park Station – Continued excavation/backfill and compacting median "Pork Chop" island between northbound Leimert Blvd and Crenshaw Blvd. 1/21/20



Leimert Park Station – Began curb/gutter formwork on the median "Pork Chop" island between northbound Leimert Blvd and Crenshaw Blvd. 1/22/20



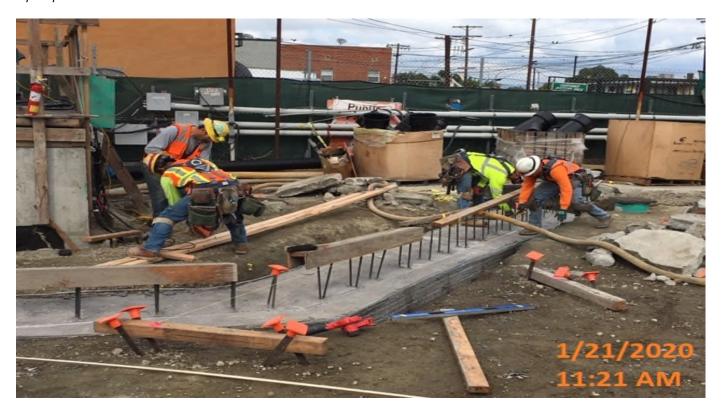
Leimert Park Station – Placing asphalt concrete on the northeast corner of 43rd Pl and Crenshaw Blvd. 2/3/20



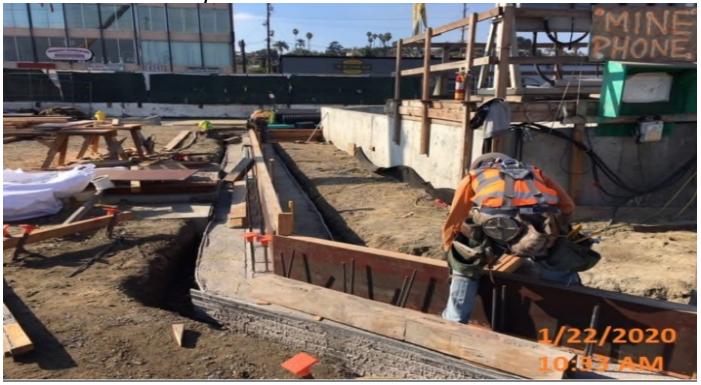
Leimert Park Station – Placing concrete on the east section of the south plantar box footing at the plaza level. 1/18/20



Leimert Park Station – Placing concrete on the north plantar box footing at the plaza level. 1/18/20



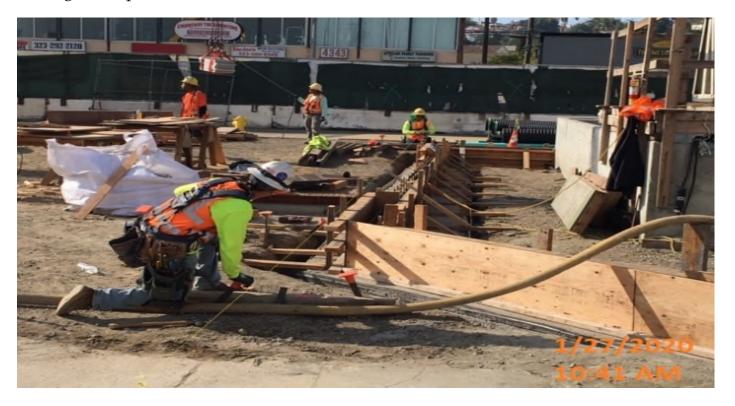
Leimert Park Station – Continued building sections of formwork for the north plantar box footing at the plaza level.



Leimert Park Station – Continued building sections of formwork for the north plantar box footing at the plaza level.



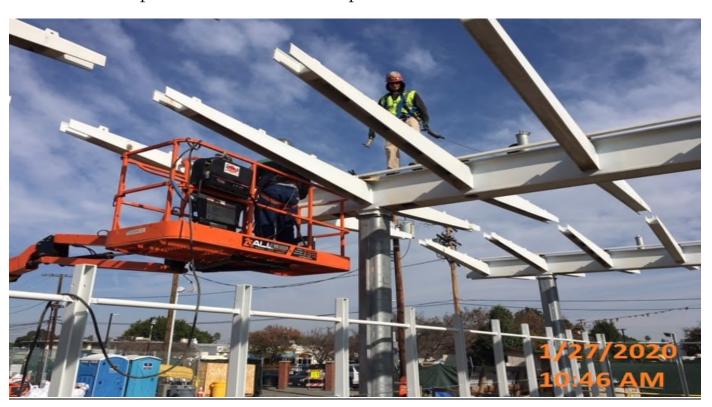
Leimert Park Station – Continued building sections of formwork for the north plantar box footing at the plaza level.



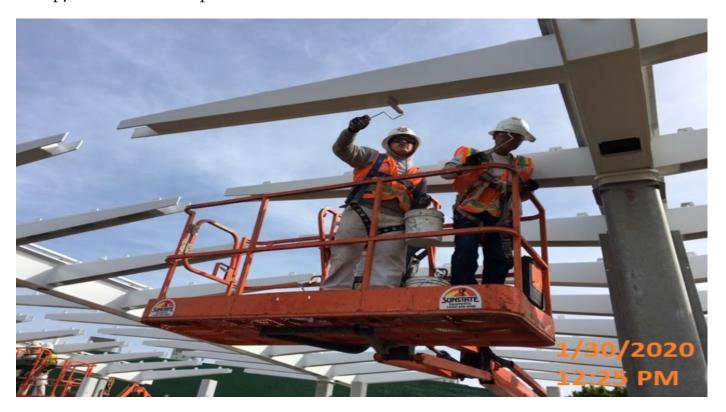
Leimert Park Station – Continued building sections of formwork for the north plantar box footing at the plaza level.



Leimert Park Station – Continued placing concrete and smoothing the surface for both north and south plantar box sections at the plaza level.



Leimert Park Station – Installing and welding catwalk framing above the main entrance canopy structure at the plaza level.



Leimert Park Station – Began priming the main entrance canopy structure at the plaza level.



Leimert Park Station – Prepping steel framing edge in order to mount EMP box at the concourse level.



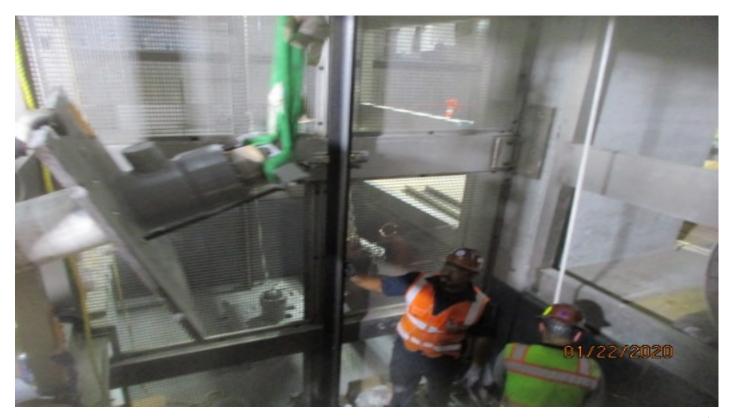
Leimert Park Station – Placing concrete to all EVF equipment pads in both North C – 126 & South C – 102 Fan Rooms of the concourse level. 1/18/20



Leimert Park Station – Installing silicone gaskets and roughing in flex connectors to EVF-6-101 and EVF-6-301 in the South Fan Room C – 102 Fan Rooms of the concourse level.



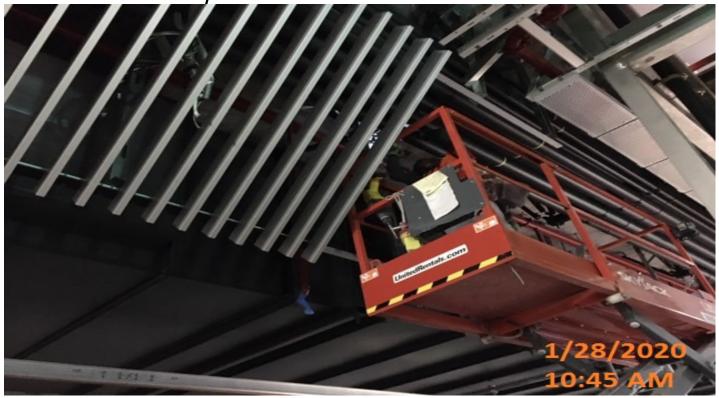
Leimert Park Station – Continue installing silicone gaskets and roughing in flex connectors to EVF-6-101 and EVF-6-301 in the South Fan Room C – 102 Fan Rooms of the concourse level.



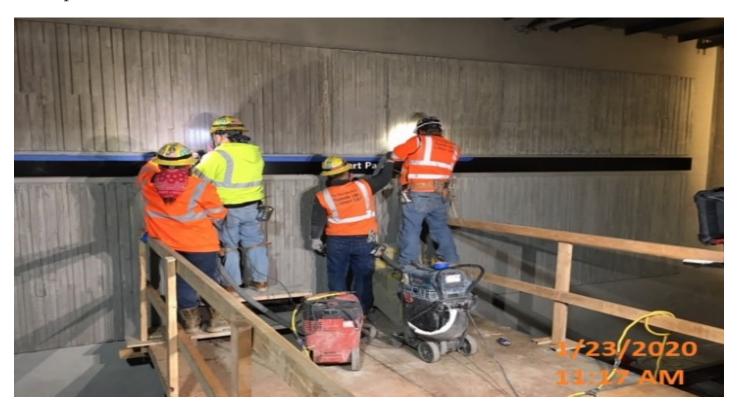
Leimert Park Station – Continued rigging and installing 15" PVC into HDPE sleeve and hydraulic jack for Elevator hoist way/pit #4 at the platform level.



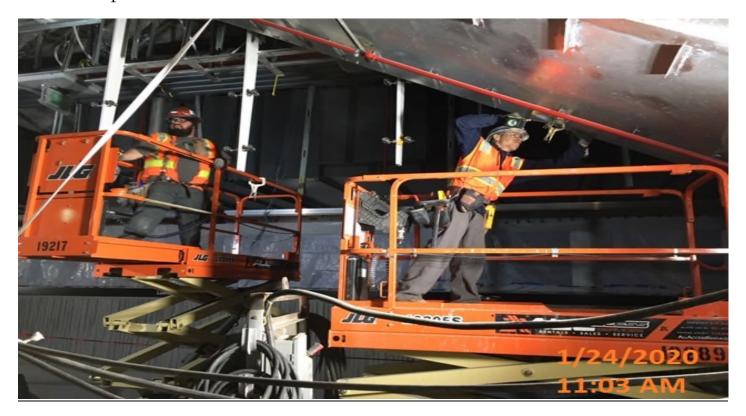
Leimert Park Station – Continue installing angle ceiling panels above the southbound track of the platform level.



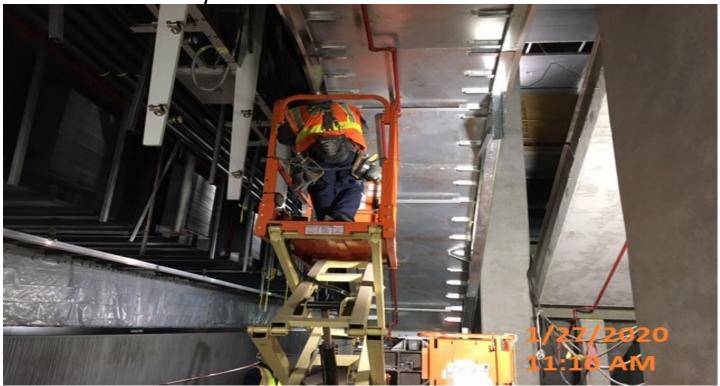
Leimert Park Station – Continue installing angle ceiling panels above the southbound track of the platform level.



Leimert Park Station – Cutting and leveling architectural concrete wall at the northbound track of the platform level.



Leimert Park Station – Installation of laminated cladding frame for the metal panels beneath staircase #5 and escalator #3 at the platform level.



Leimert Park Station – Continued installation of laminated cladding frame for the metal panels beneath staircase #4 and escalator #6 at the platform level.

SEGMENT C:

- Rework of VHRF fasteners is still required due to missing shims and incorrect installation
- Incomplete Double Crossovers due to parts shortage
- Rework of plinths is still required due to damage by chipping and cracks
- Incomplete plinth work
- Rework of the Top-of-Rail is still required due to gouges in the rail

| | PROJECT WIDE TRACKWORK PROGRESS | | | | | | | |
|------------|-----------------------------------|---|------------------------|----------------------|-----------|------------------------|------------------|--------------------|
| | TRACK TYPE | ACTIVITY | TRACK FEET/QUANTITY | INSTALLED TO DATE | REMAINING | ACTIVITY % PROGRESS | Potential Rework | Punchlist (Complet |
| SEGMENT B2 | DF (8,408 TF) | Pour Plinths T3 | 4,193 | 4193 | 0 | 100.00% | | |
| | | Pour Plinths T4 | 4,215 | 4,215 | 0 | 100.00% | | |
| | | Install DF fasteners T3 | 4,193 | 4193 | 0 | 100.00% | * | |
| | | Install DF fasteners T4 | 4,215 | 4215 | 0 | 100.00% | * | |
| | | Lay Rail T3 | 4,193 | 4193 | 0 | 100.00% | * | |
| | | Lay Rail T4 | 4,215 | 4215 | 0 | 100.00% | * | |
| | | Line&Grade/Shimming T3 | 4,193 | 3983 | 210 | 95.00% | | INC |
| | | Line&Grade/Shimming T4 | 4,215 | 4004 | 211 | 94.99% | | INC |
| | | Weld Rail/ De-stress | 8,408 | 8408 | 0 | 100.00% | | |
| | | Emergency Walkway | | | | | | |
| | | Acceptance for turnover to subcontractors | yes/no | no | | | | |
| | BALLASTED TRACKWORK | Install Bottom Ballast | 9,681 | 9681 | 0 | 100.00% | * | INC |
| | | Install ties, rail/clips, top ballast -T3 | 4,836 | 4836 | 0 | 100.00% | * | |
| | | Install ties, rail/clips, top ballast -T4 | 4,845 | 4845 | 0 | 100.00% | * | |
| | (9681 TF | Surface and line/Regulate T3 | 4,836 | 4836 | 0 | 100.00% | * | |
| | including grade | Surface and line/Regulate T4 | 4,845 | 4845 | 0 | 100.00% | * | |
| | crossings) | De-stress | 9,861 | 9861 | 0 | 100.00% | | |
| | | Emergency Walkway | 6148 | 5840 | 308 | 94.99% | | |
| | | Acceptance for turnover to subcontractors | yes/no | no | | | | $oxed{oxed}$ |
| | SPECIAL TRACKWORK | Ballasted Single Crossover (U1/U2, V1/V2) | 2 | 2 | 0 | 100.00% | | INC |
| | | Thermite Welds | 56 | 56 | 0 | 100.00% | | |
| | | Insulated Joints (IJ's) | 12 | 12 | 0 | 100.00% | * | INC |
| | | Acceptance for turnover to subcontractors | yes/no | no | | | | |
| | GRADE X-ING | Construct Crossing (48th, 50th , 52nd , 54th , 57th , 59th, Slauson) | 7 | 6 | 1 | 85.71% | | |
| SEGMENT C | DF (16,756 TF) SPECIAL TRACKWORK | Pour Plinths T3 | 8,385 | 8385 | 0 | 100.00% | * | INC |
| | | Pour Plinths T4 | 8,371 | 8371 | 0 | 100.00% | * | INC |
| | | Install DF fasteners T3 (VHRF installed - pending NCR) | 8,385 | 7965 | 420 | 94.99% | * | |
| | | Install DF fasteners T4 (VHRF installed - pending NCR) | 8,371 | 7952 | 419 | 94.99% | * | |
| | | Lay Rail T3 | 8,385 | 8385 | 0 | 100.00% | * | |
| | | Lay Rail T4 | 8,371 | 8371 | 0 | 100.00% | * | |
| | | Line&Grade/Shimming T3 | 8,385 | 7546 | 839 | 89.99% | * | INC |
| | | Line&Grade/Shimming T4 | 8,371 | 7533 | 838 | 89.99% | * | INC |
| | | Emergency Walkway | | | | | | |
| | | Acceptance for turnover to subcontractors | yes/no | no | | | | |
| | | DF Double Crossover (Diamond) | 1 | 1 | 0 | 100.00% | * | |
| | | Line&Grade/Shimming | 1 | 1 | 0 | 100.00% | * | |
| | | Thermite Welds | 56 | 56 | 0 | 100.00% | * | |
| | | Insulated Joints (IJ's) | 20 | 20 | 0 | 100.00% | • | |
| | Discrete: " | Acceptance for turnover to subcontractors | yes/no | no | | | | — |
| DF = | Direct Fixation | | | | | | | - |
| T3 = | Track 3 | | | | | | | - |
| T4 = | Track 4 | | | | | | | - |
| TF = | Track Feet | | | | | | | - |
| * | | ork based on recent guideway survey. Total impact of rework is unknown at this time. | | | | | - | - |
| ** | Punchlist Comple | te/Incomplete: Indicates the completion (COMP) or Incompletion (INC) of identified pu | nchlist items | | | | | |

