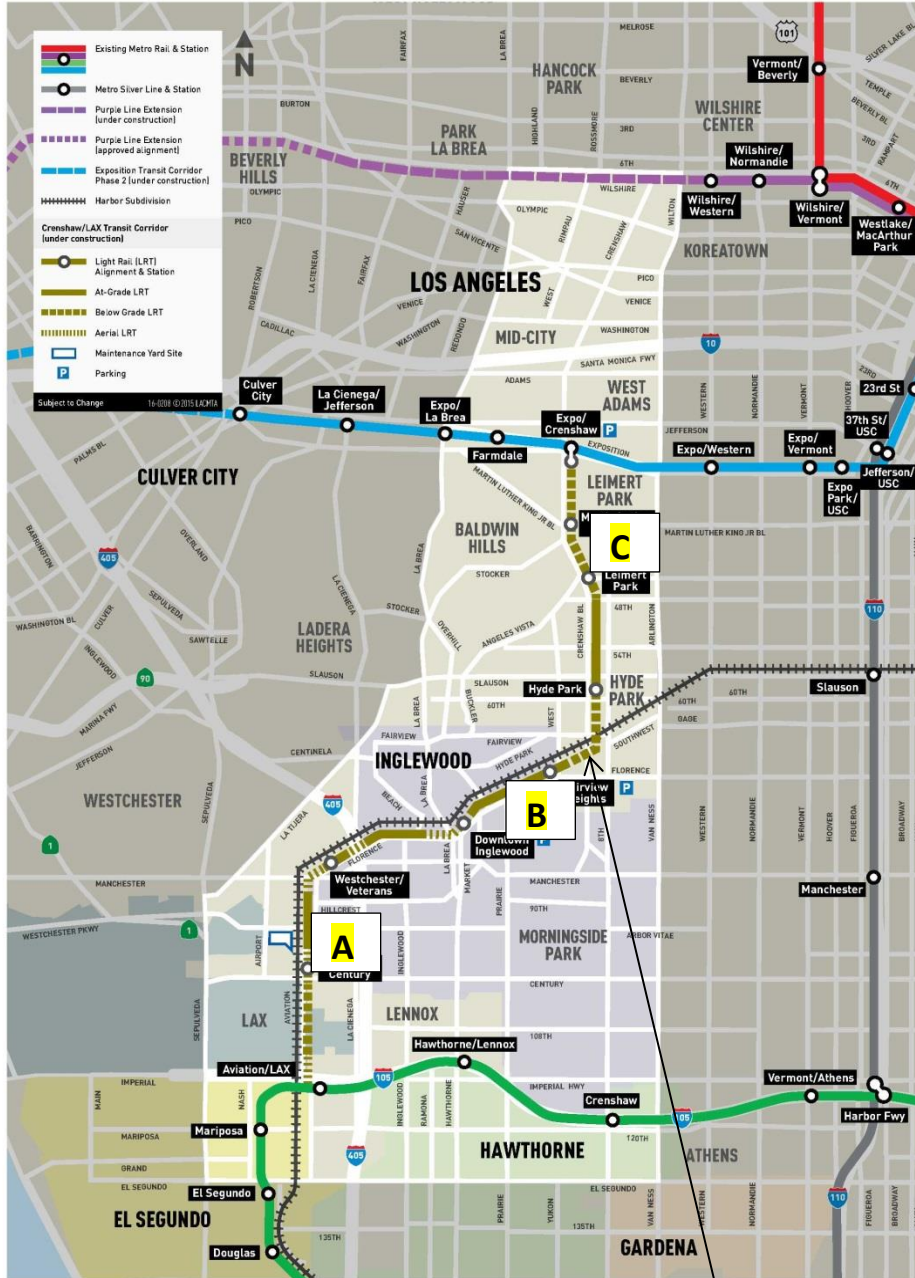


CRENSHAW/LAX PHOTOGRAPHIC UPDATE

Dec 14, 2020

Crenshaw/LAX Transit Project



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

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

Overview of trackwork progress issues for **11/15/2020 – 11/30/2020**
(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 Notes:

Repair of plinth gap to invert continues with track gauge checking and adjustment, joint sealing, and plinth surface finishing per NCR-A-111 in Segments B1, B2, and C.

Rework of previously reworked plinths due to failed inserts continues at the Century Bridge.

Jet Grouting of Wall #202 continues.

Replacement of damaged switch points is completed throughout the entire guideway.

Installation of DX switch at the Expo Station continues.

Previous Issues unresolved:

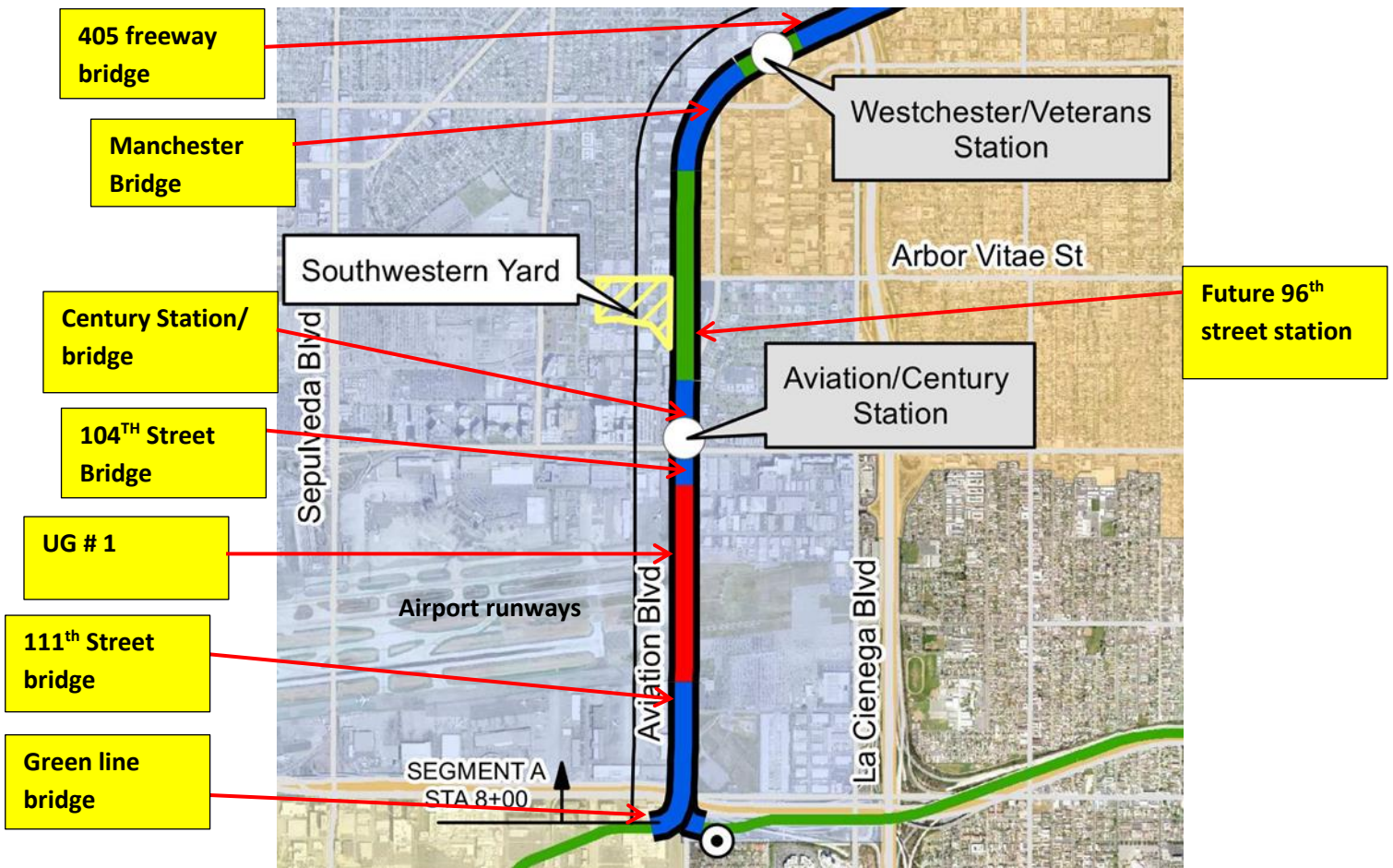
Rail fasteners installed following plinth repairs due to NCR-A-111 have failing insert pull tests. This requires additional demo and replacement of inserts on the Century Bridge.

GREEN LINE TIE-IN:

- Green Line Cutover work is completed at this time. Additional coordination is required.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

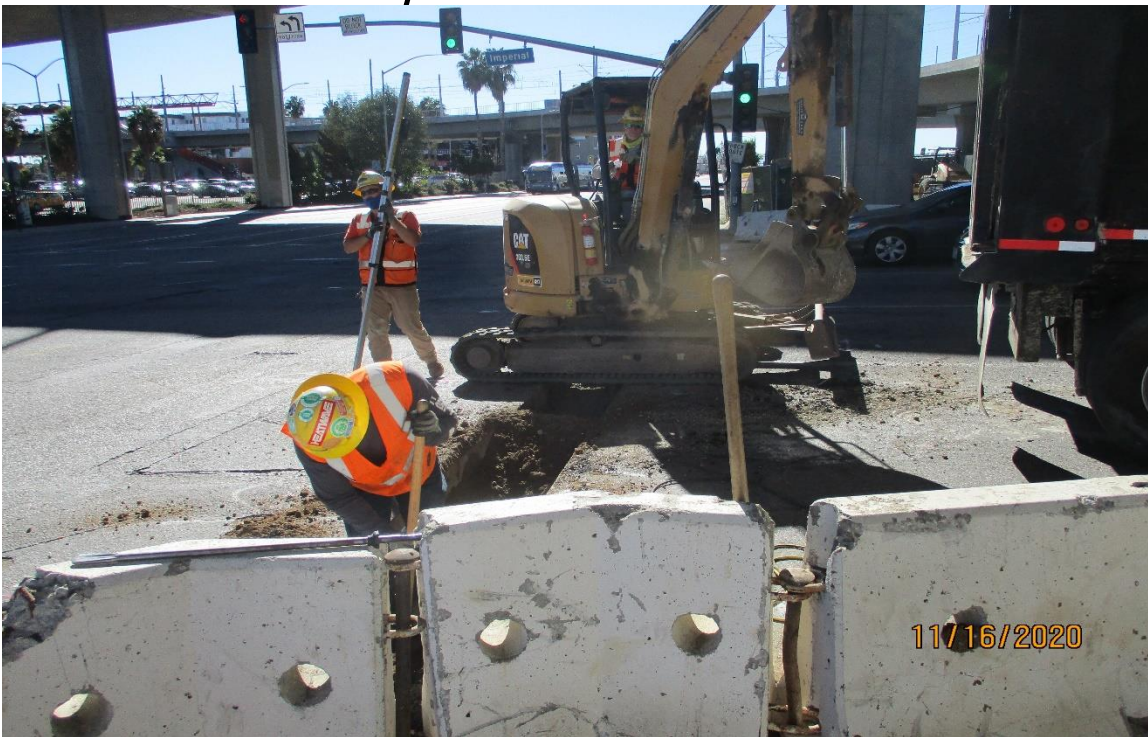
Segment A



SEGMENT A:

- Rework of plinths on the Century Bridge continues following failure of fastener inserts.
- Punchlist walk with WSCC QC Inspector continues to review current completion status.
- Disturbed ballast due to systems electrical conduit relocations continues to be repaired and re-dressed.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



AVIATION/CENTURY - Excavating for traffic signal conduit on Imperial at Aviation.



AVIATION/CENTURY- Potholing for the proposed storm drain catch basin on the SW corner of Aviation and Century.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



AVIATION/CENTURY- Landscaping at the Aviation Station.



AVIATION/CENTURY- Cracking concrete at the Aviation Station service building door flooring.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

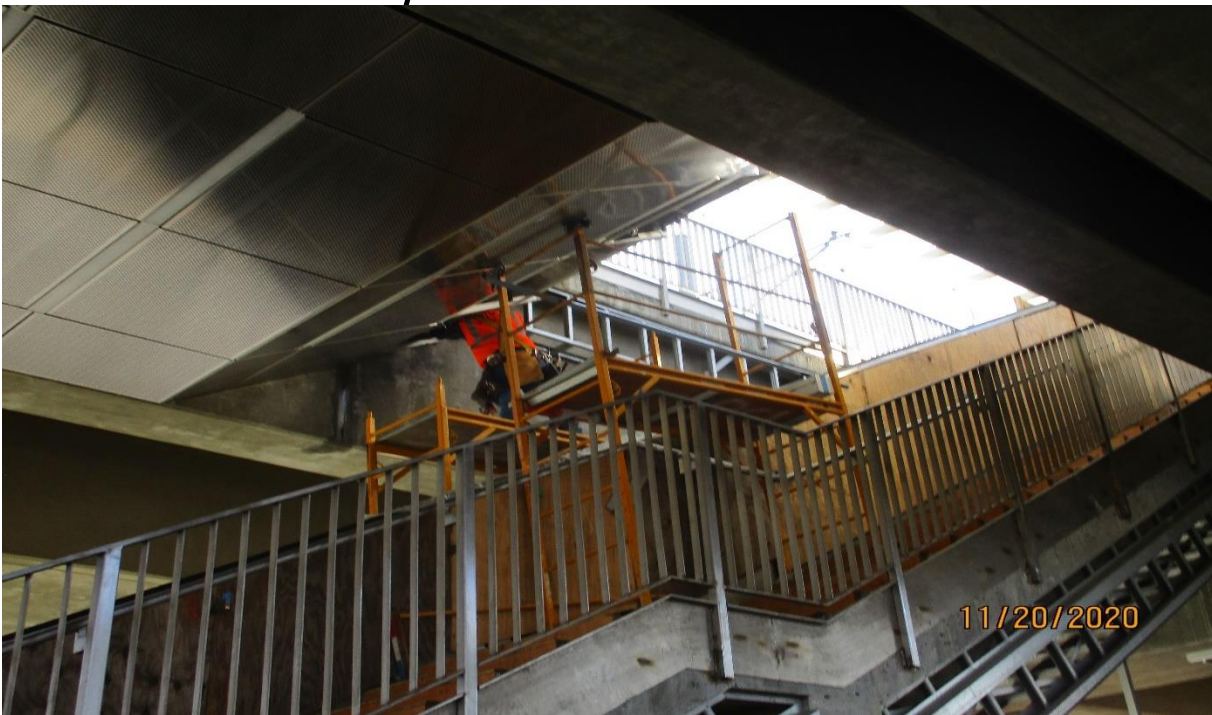


AVIATION/CENTURY- Excavating for the storm drain A catch basing at the SW corner of Aviation and Century.

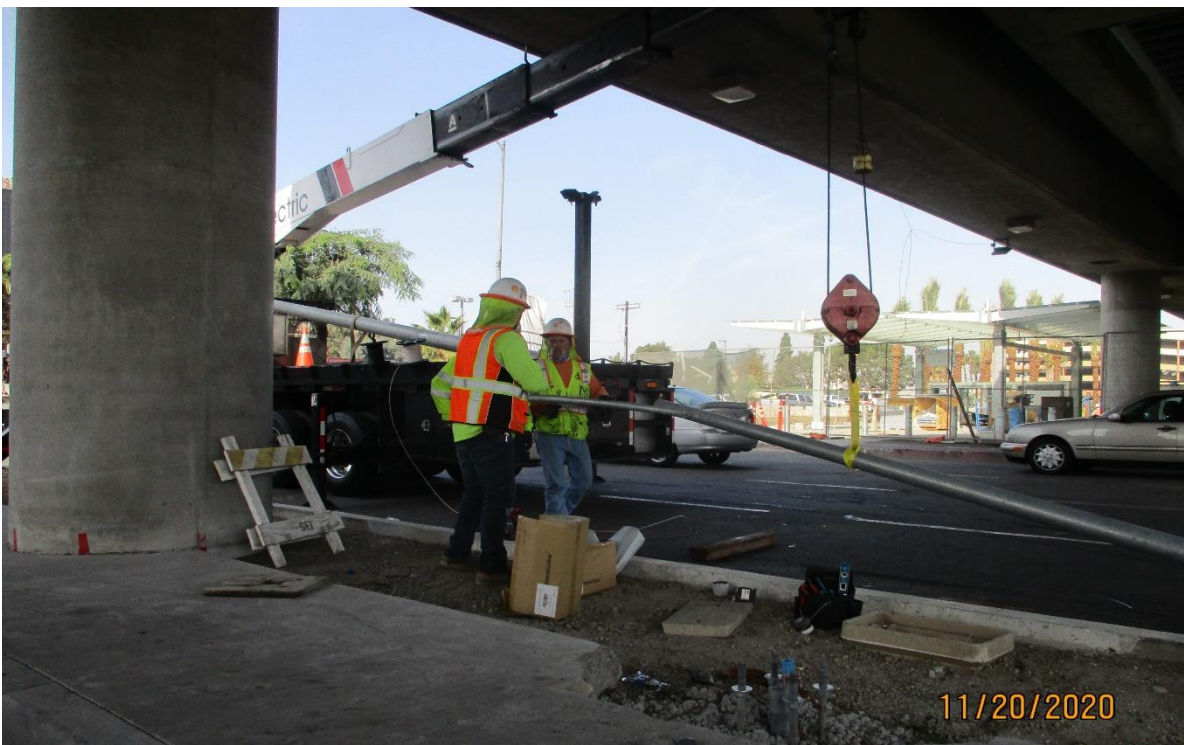


AVIATION/CENTURY- Cover plate installation at the Aviation Station ticket kiosk.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

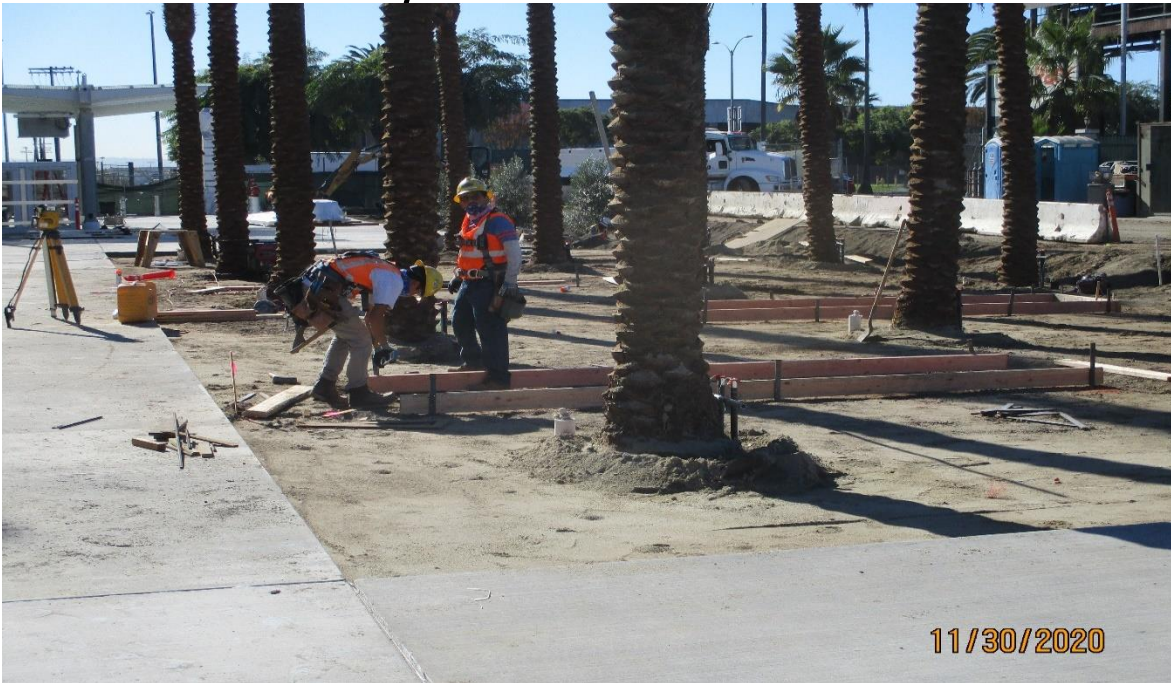


AVIATION/CENTURY- Hanging braces for the stainless steel roofing panels at the Aviation Station.

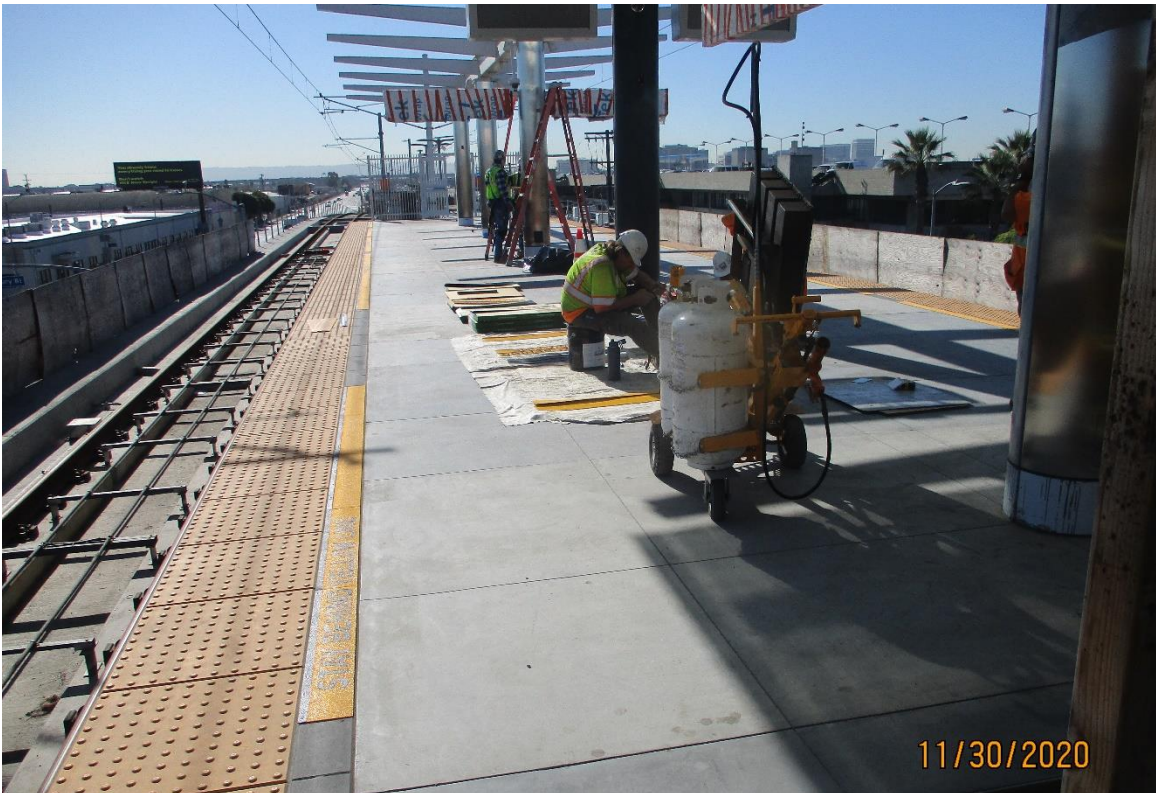


AVIATION/CENTURY- Standing at streetlight pole for the west median of the Aviation and Century intersection.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



AVIATION/CENTURY- Setting forms for the bench foundations at the Aviation Station plaza area.

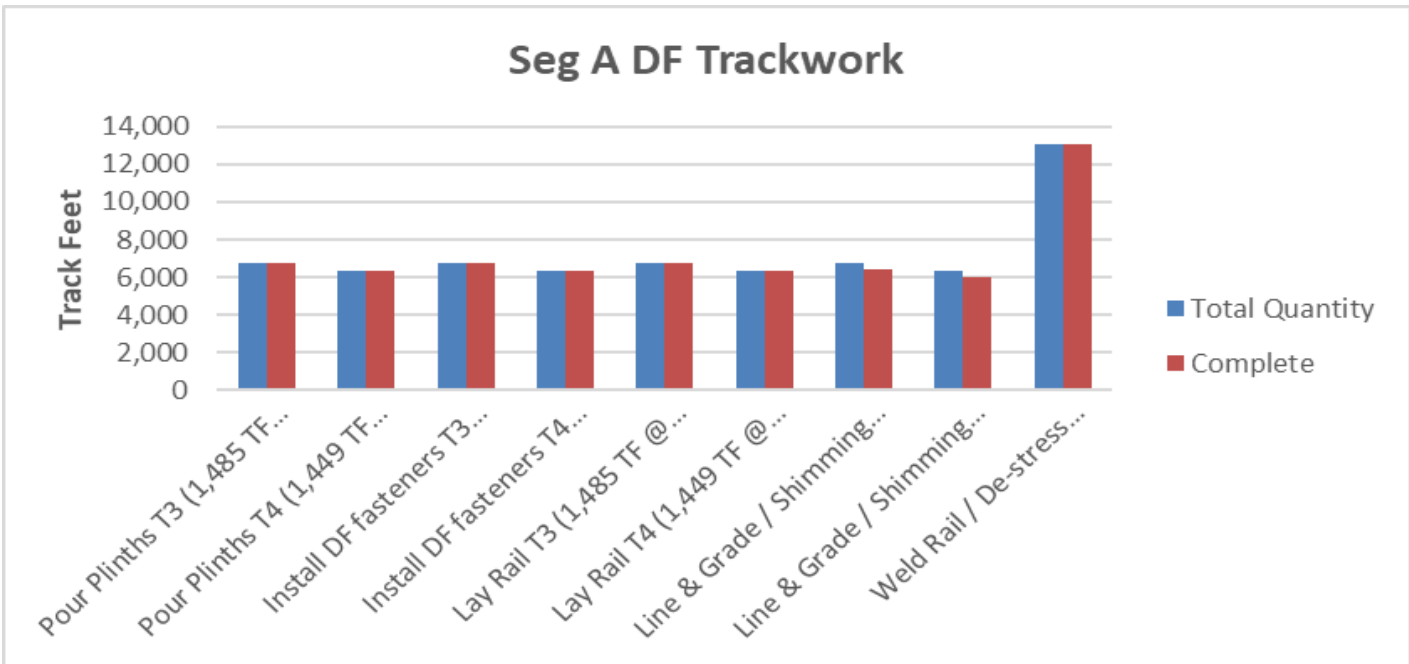
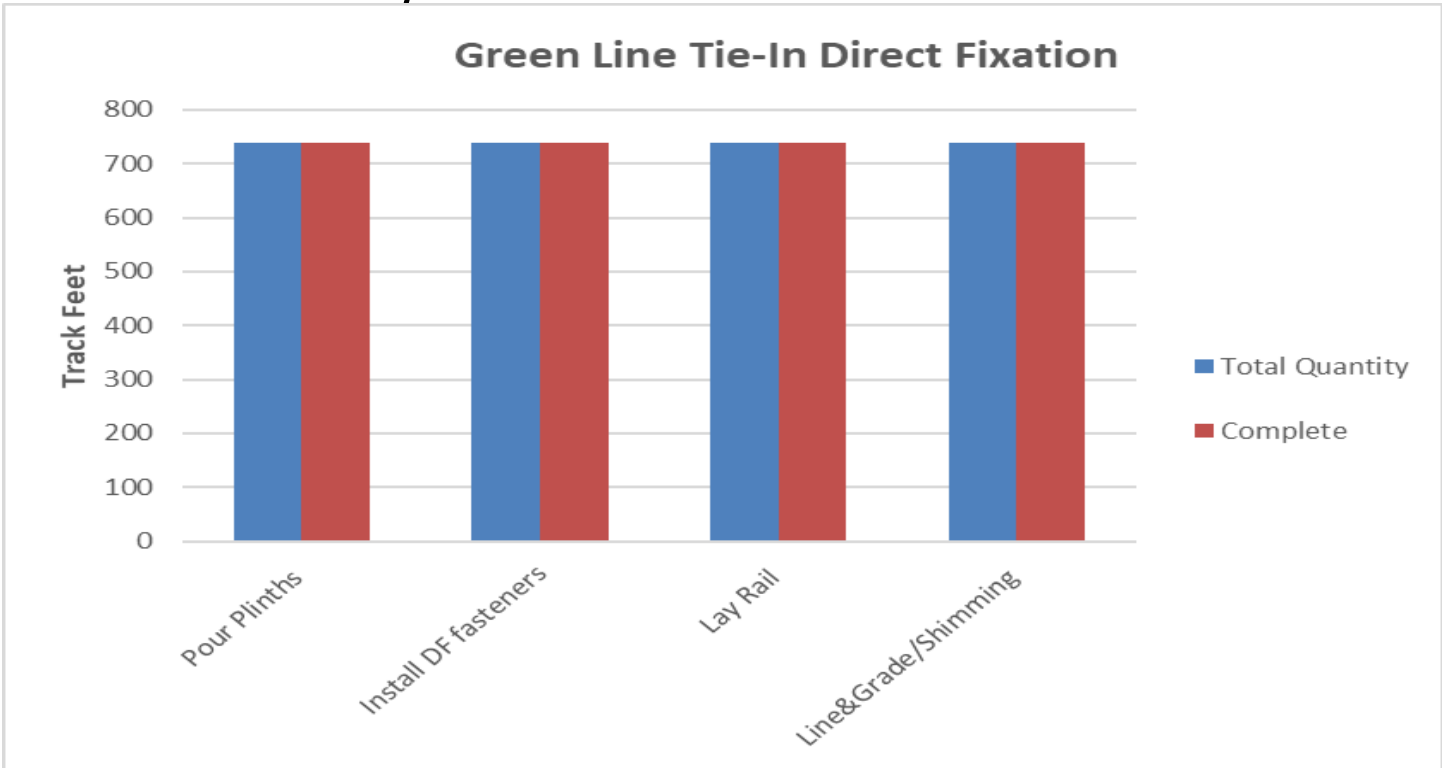


AVIATION/CENTURY- Thermo plastic stripping at the Aviation Station platform.

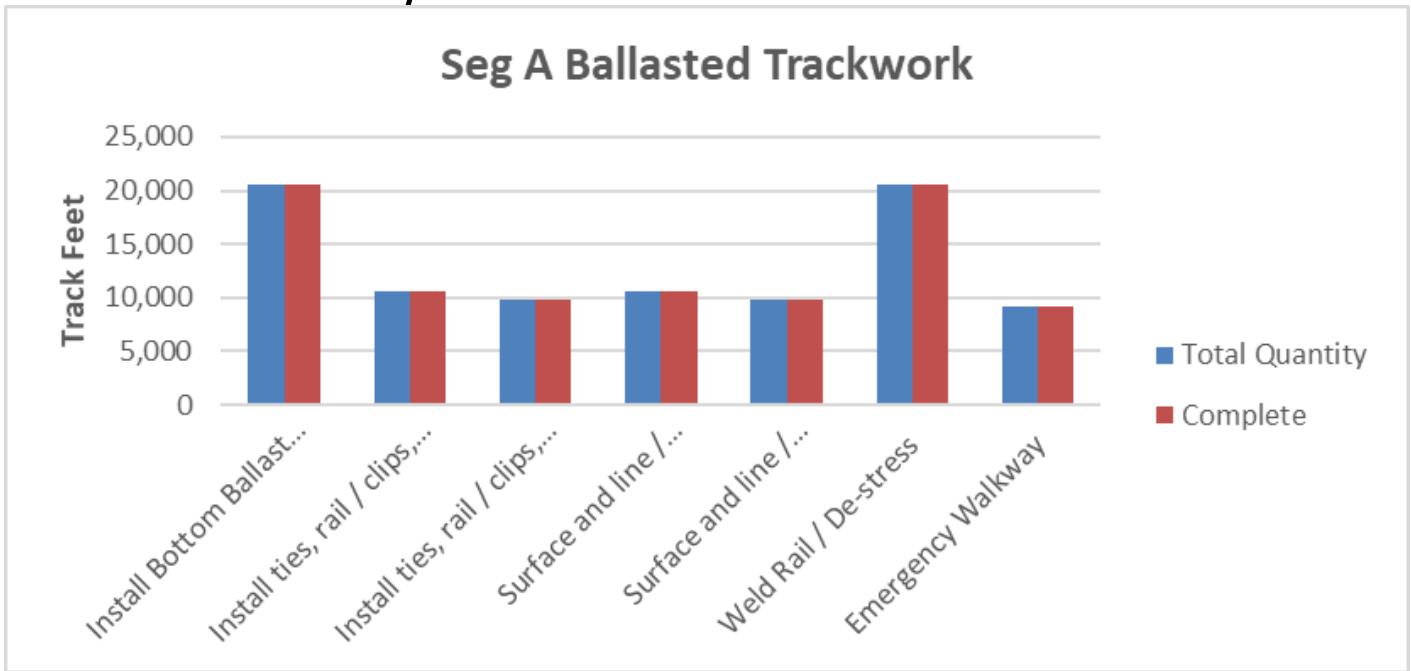
CRENSHAW/LAX PHOTOGRAPHIC UPDATE

PROJECT WIDE TRACKWORK PROGRESS									
	TRACK TYPE	ACTIVITY	TRACK FEET/QUANTITY	INSTALLED TO DATE	REMAINING	ACTIVITY % PROGRESS	Potential Rework *	Punchlist ** (Complete/Incomplete)	
GREENLINE TIE-IN	DIRECT FIXATION	Pour Plinths	738	738	0	100.00%			
		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%		INC	
	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) <i>(Insert rework continues)</i>	6,763	6,763	0	100.00%	*		
		Pour Plinths T4 (1,449 TF @ wye + 4,877 TF) <i>(Insert rework continues)</i>	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	6,326	0	100.00%			
		Line & Grade / Shimming T3 (1,485 TF @ wye + 4,884 TF + 395 TF K1/K2 XO)	6,763	6,425	338	95.00%			
		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							
	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%	*	INC	
		Surface and line / Regulate T4 + Tail Track	9,890	9,890	0	100.00%	*	INC	
		Weld Rail / De-stress	20,550	20,550	0	100.00%	*	INC	
		Emergency Walkway	9,176	9,176	0	100.00%	*	INC	
		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%				
DF =	Direct Fixation								
T3 =	Track 3								
T4 =	Track 4								
TF =	Track Feet								
*	Potential for rework 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								

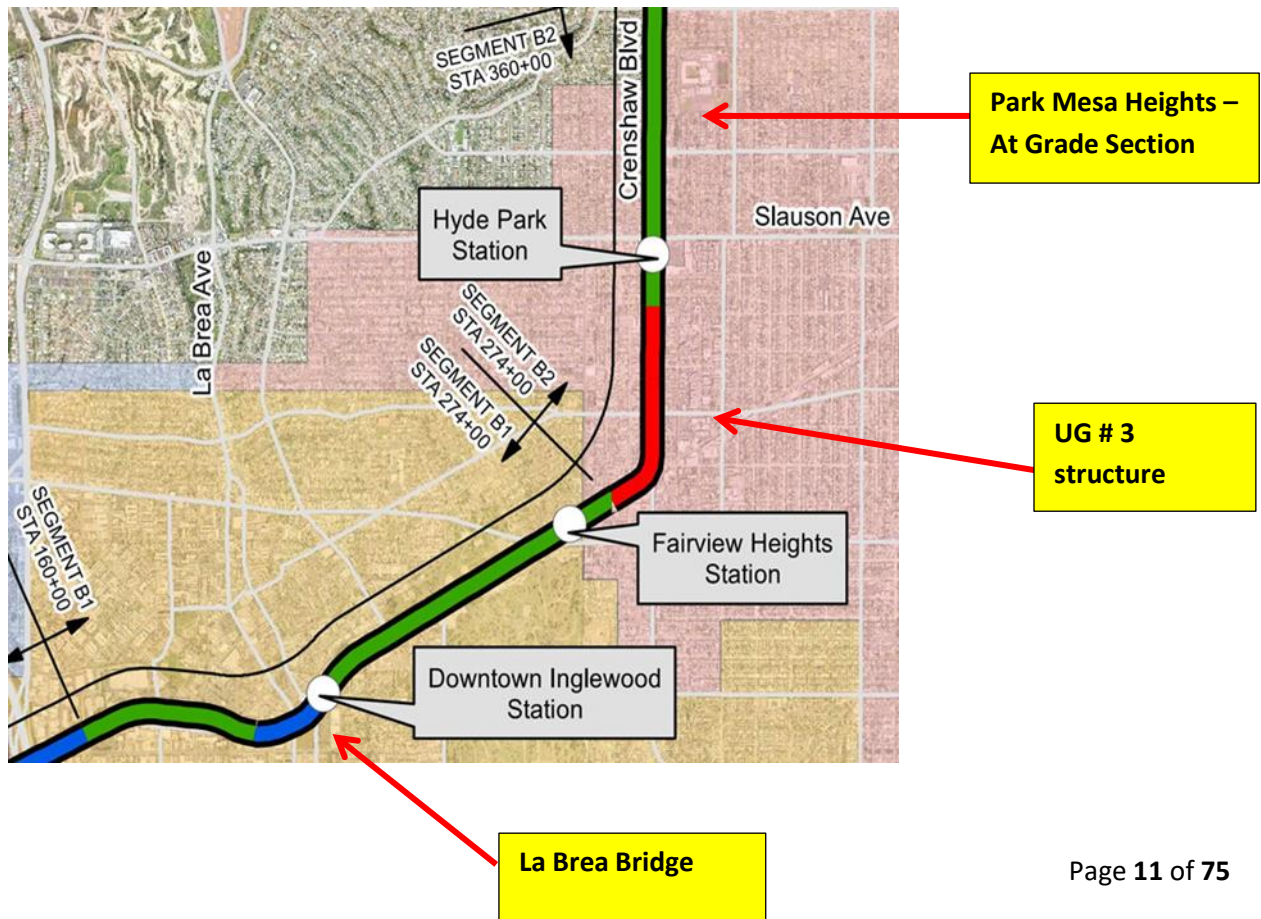
CRENSHAW/LAX PHOTOGRAPHIC UPDATE



CRENSHAW/LAX PHOTOGRAPHIC UPDATE



Segment B



CRENSHAW/LAX PHOTOGRAPHIC UPDATE



La Brea – WSCC Set and place concrete for bollards at La Brea park and ride exit.



La Brea – Marina Excavate trench for main line water at La Brea Plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



La Brea – WSCC Cut and make grade for SWK at La Brea Plaza.



La Brea – WSCC Form and place SWK concrete at La Brea Park and ride.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



La Brea – WSCC Excavate and relocate holes at La Brea Plaza.

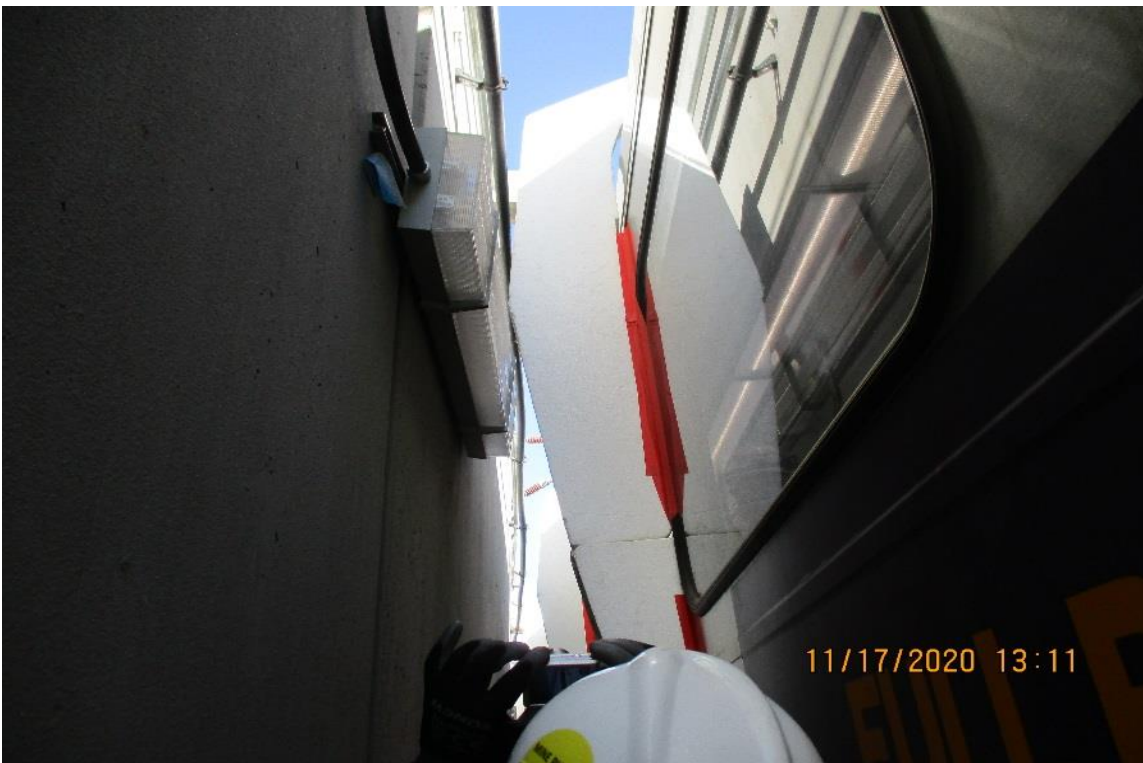


La Brea – WSCC Form and place SWK conc at La Brea Plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



Hindry – Thermoplastic striping at the Hindry Station NB platform.

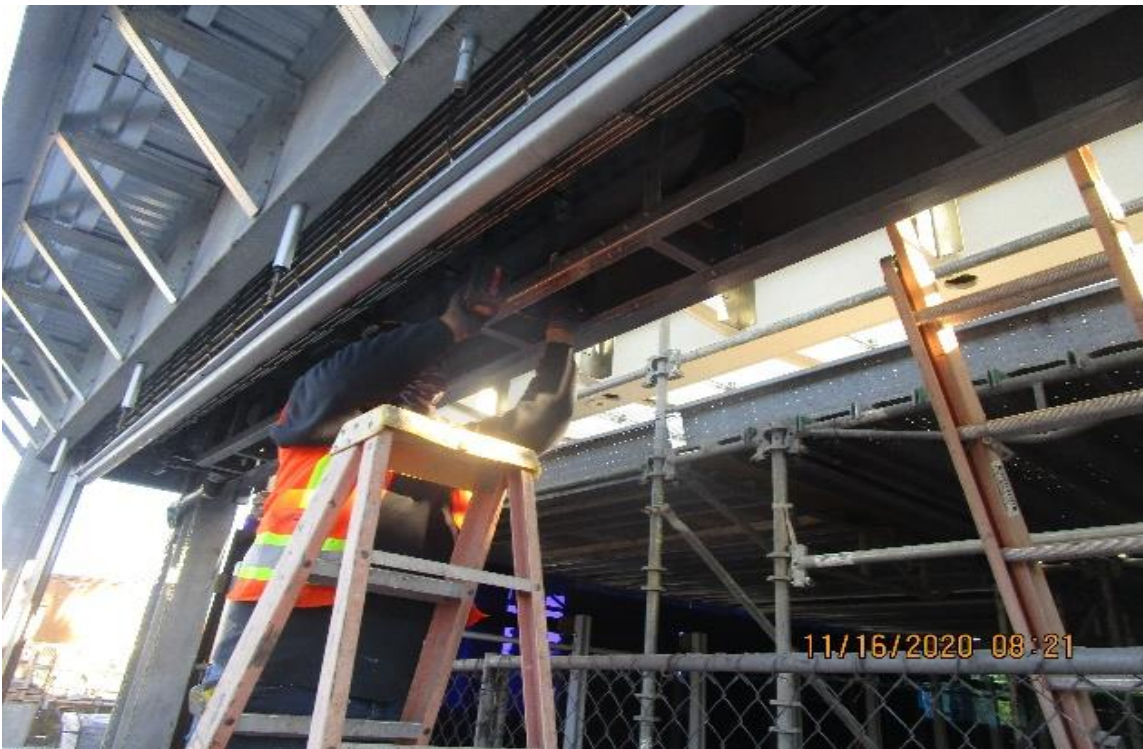


UG3 – 1 ¼" Clearance to the 2nd Light Fixture, UG3 South Portal on Track 3.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

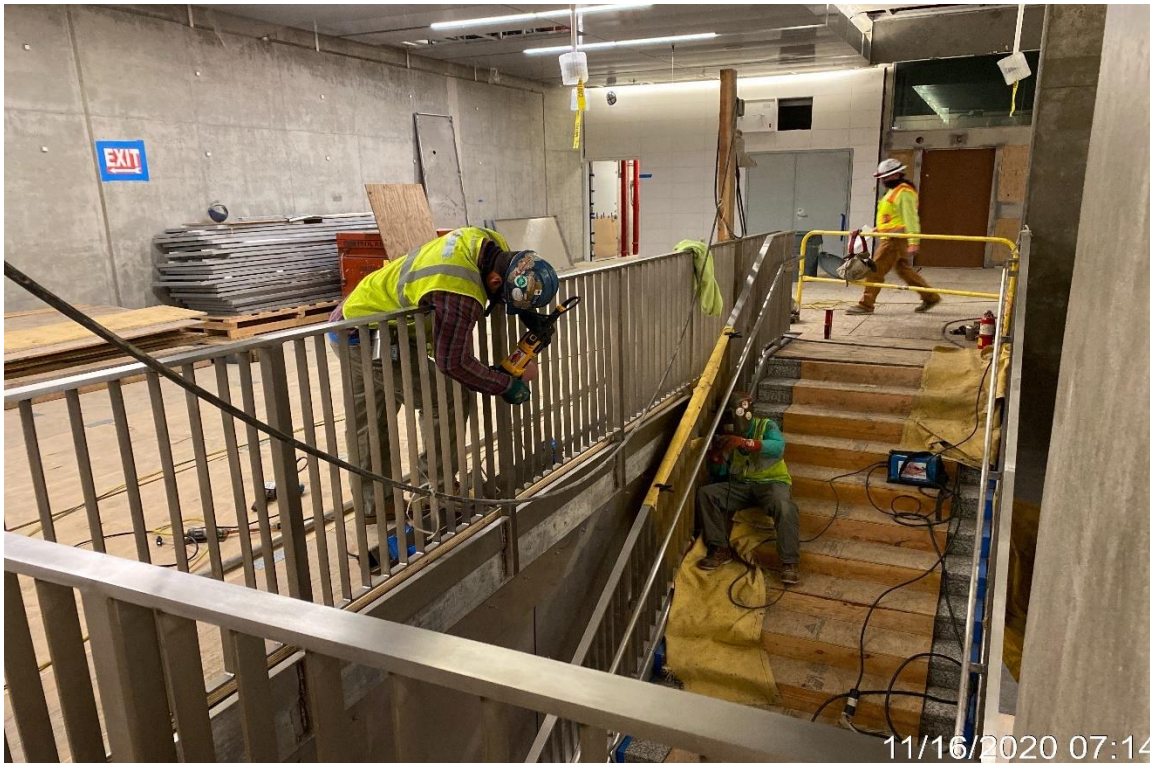


UG3 – Train Clearance the LIP for the Booster Fans, Track 3 in UG3.



UG3 – Vernon Plaza, roll up entrance security door, begin 3” cast iron canopy drain tie in to 3” pipping at door pocket.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – McMahon installing handrail at Vernon stairwell #3.



UG3 – Vernon, EM Fan room (S) C102 EVF-6-302, LCS continued terminating #14 XHHW-2, control wiring.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – VNSM installing Boca lighting brackets at Vernon.



UG3 – Bielski applying firestop at Vernon cable room south.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – Vernon, Mechanical room (N) C135, begin installing Flanders 40 Merv-8 pleated filters at F-6-1 & filter media.

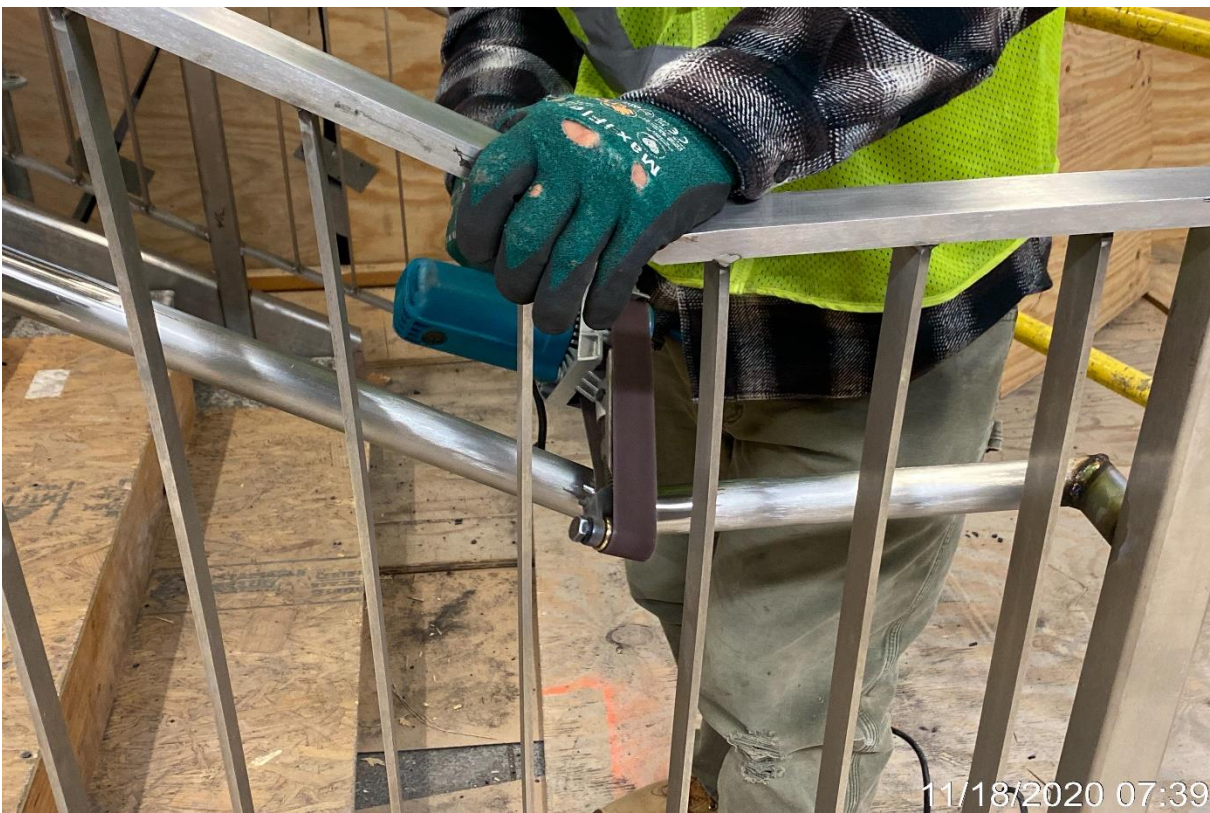


UG3 – Vernon Plaza, Entrance canopy BOCA emergency & normal LED light fixtures begin trouble shooting.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – WSCC welding hinges for end gates at Vernon.



UG3 – McMahon welding handrail at Vernon stairwell # 3.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – Brand Safeway assembling scaffolding at Vernon.



UG3 – VERNON – VNSM applying caulking to canopy Boca lighting

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – VERNON – Bielski fire proof caulking penetrations at emergency fan room north.

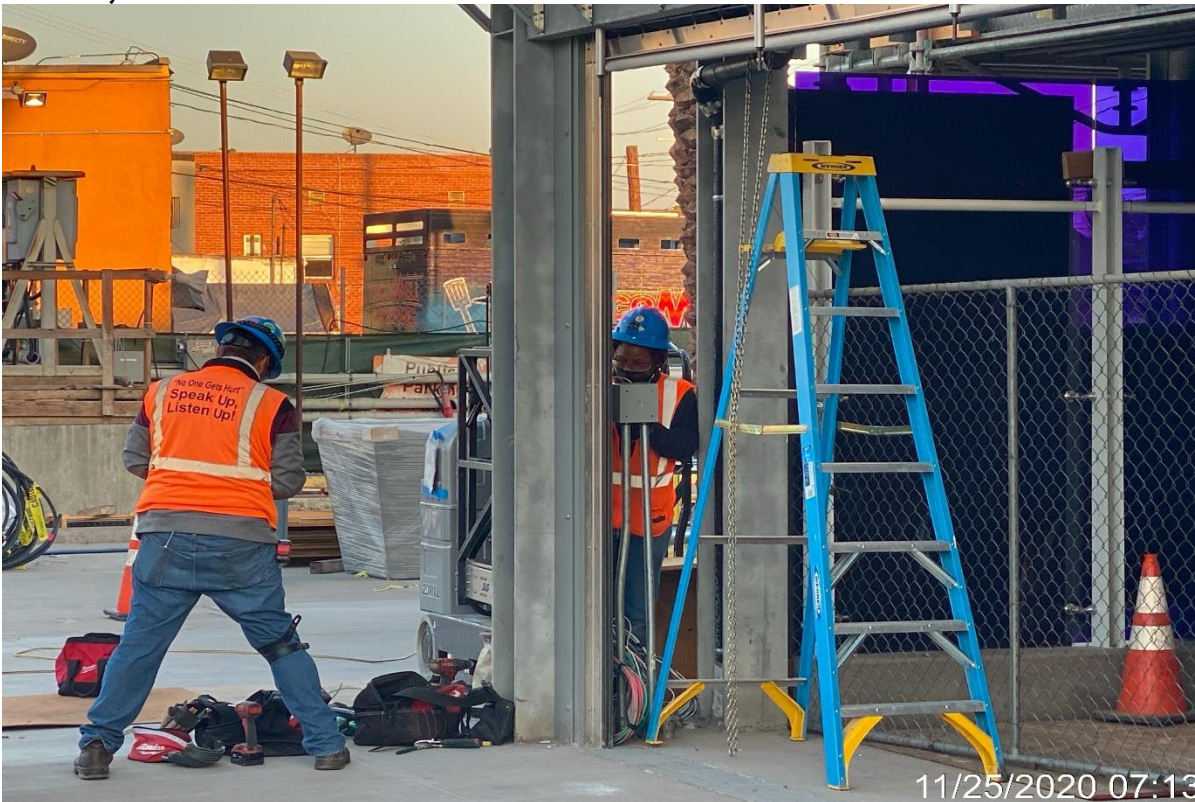


UG3 – Vernon Plaza, Entrance canopy BOCA emergency & normal LED light fixtures begin trouble shooting.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – Vernon Platform, north & southbound end gates resume rough in of SCADA security door strobes & door contacts.



UG3 – WSCC wiring in roll up gate at Vernon plaza level.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – PCI installing diagonal ceiling panels at Vernon

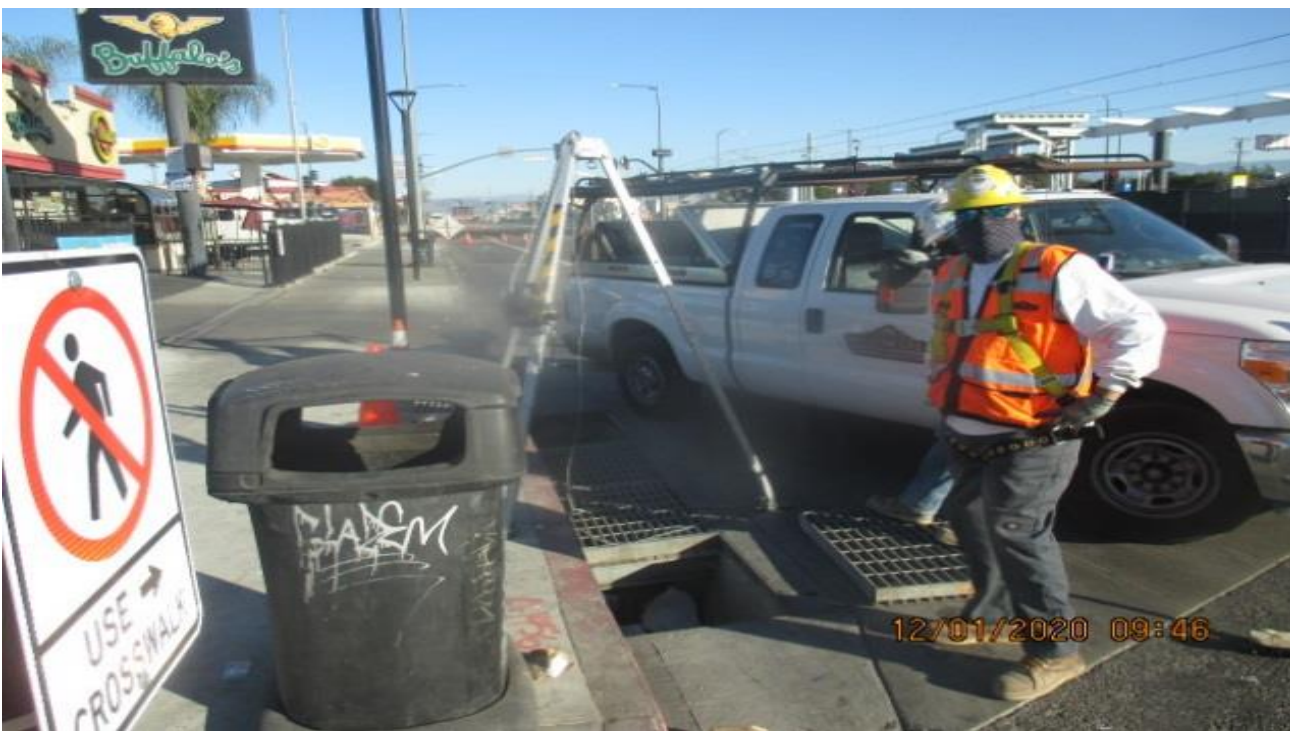


PARK MESA – Grinding and paving the north and southbound lanes at Crenshaw Blvd and 60th St..

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Removing rings and access covers of sewer maintenance holes and placing protective plates prior to grind and overlay on southbound Crenshaw Blvd and 59th St.

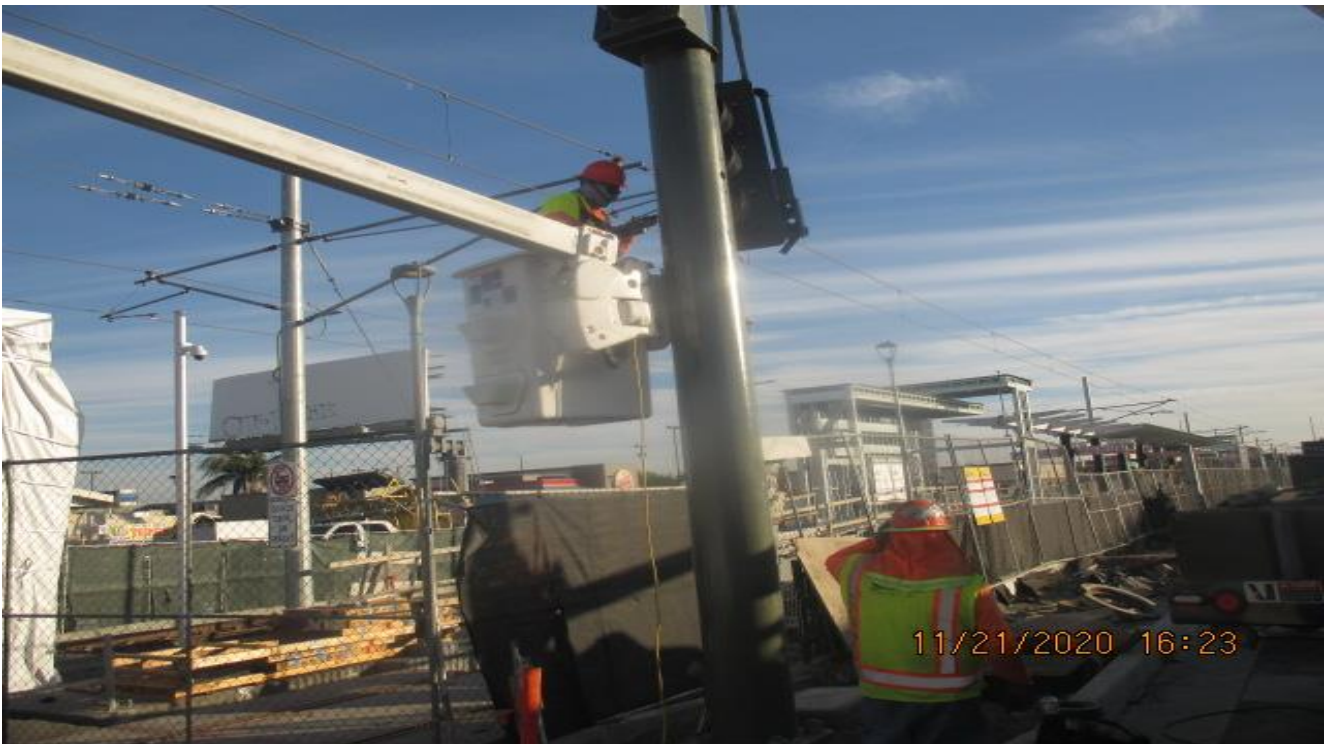


PARK MESA – Installing grating to Catch Basin #38 at the northwest corner of Crenshaw Blvd and 58th Pl.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Placing rebar and concrete for road section on the northeast corner of Crenshaw Blvd and Slauson Ave.



PARK MESA – Installing signal and pedestrian signal light on the southbound median lane at Crenshaw Blvd and Slauson Ave.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Grinding and paving the north and southbound lanes at Crenshaw Blvd and Slauson Ave.



PARK MESA – Placing mortar on the northbound median curb on Crenshaw Blvd from Slauson Ave and 57th St.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Grinding and paving the north and southbound lanes at Crenshaw Blvd and 57th St



PARK MESA – Continue placing mortar on the northbound median curb on Crenshaw Blvd from 57th St to 54th St.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Continue placing mortar on the northbound median curb on Crenshaw Blvd from 54th St to 52nd St.



PARK MESA – Continue placing mortar on the southbound median curb on Crenshaw Blvd from 54th St to 52nd St.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Grinding and paving the north and southbound lanes at Crenshaw Blvd and 54th St.



PARK MESA – Continue placing mortar on the northbound median curb on Crenshaw Blvd from 50th St to 48th St.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Continue placing mortar on the northbound median curb on Crenshaw Blvd from 50th St to 48th St.



PARK MESA – Potholing for the removal of an existing overhead sign foundation on northbound Crenshaw Blvd and 48th St.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Continue potholing for the removal of an existing overhead sign foundation on northbound Crenshaw Blvd and 48th St.



PARK MESA – Placing slurry backfill over pothole on northbound Crenshaw Blvd and 48th St.

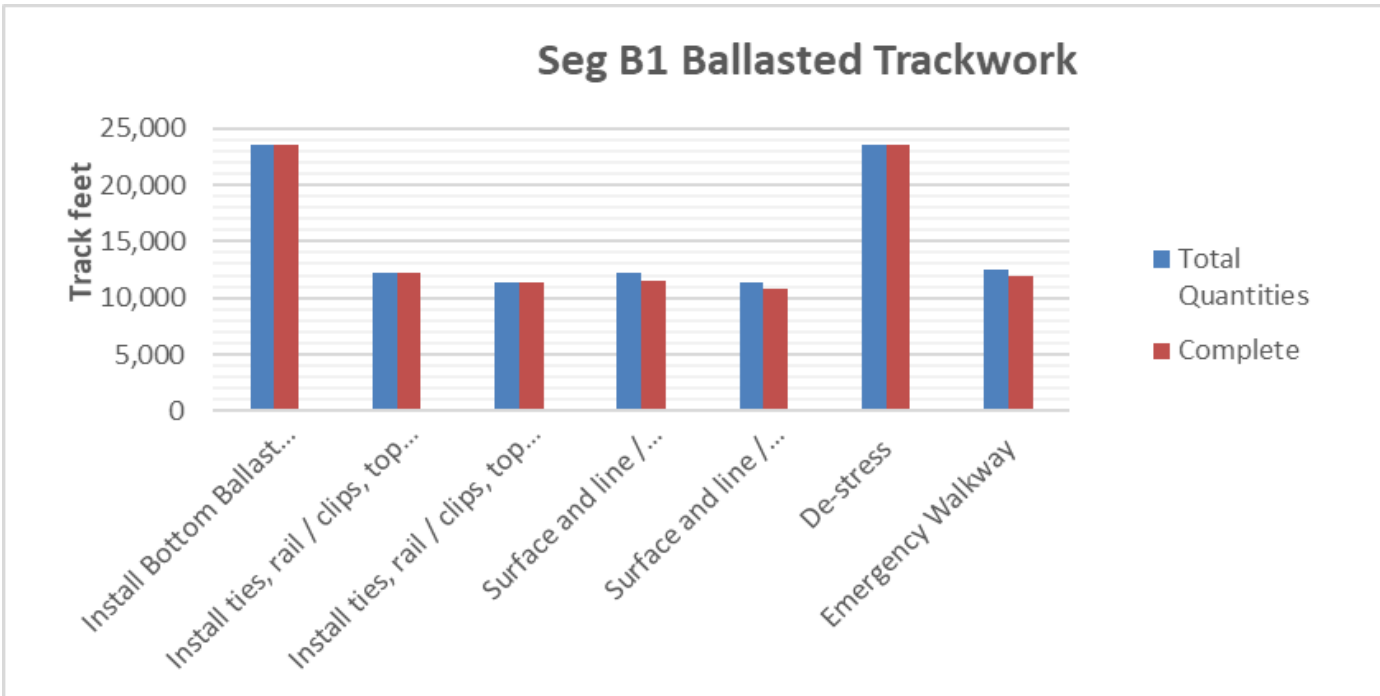
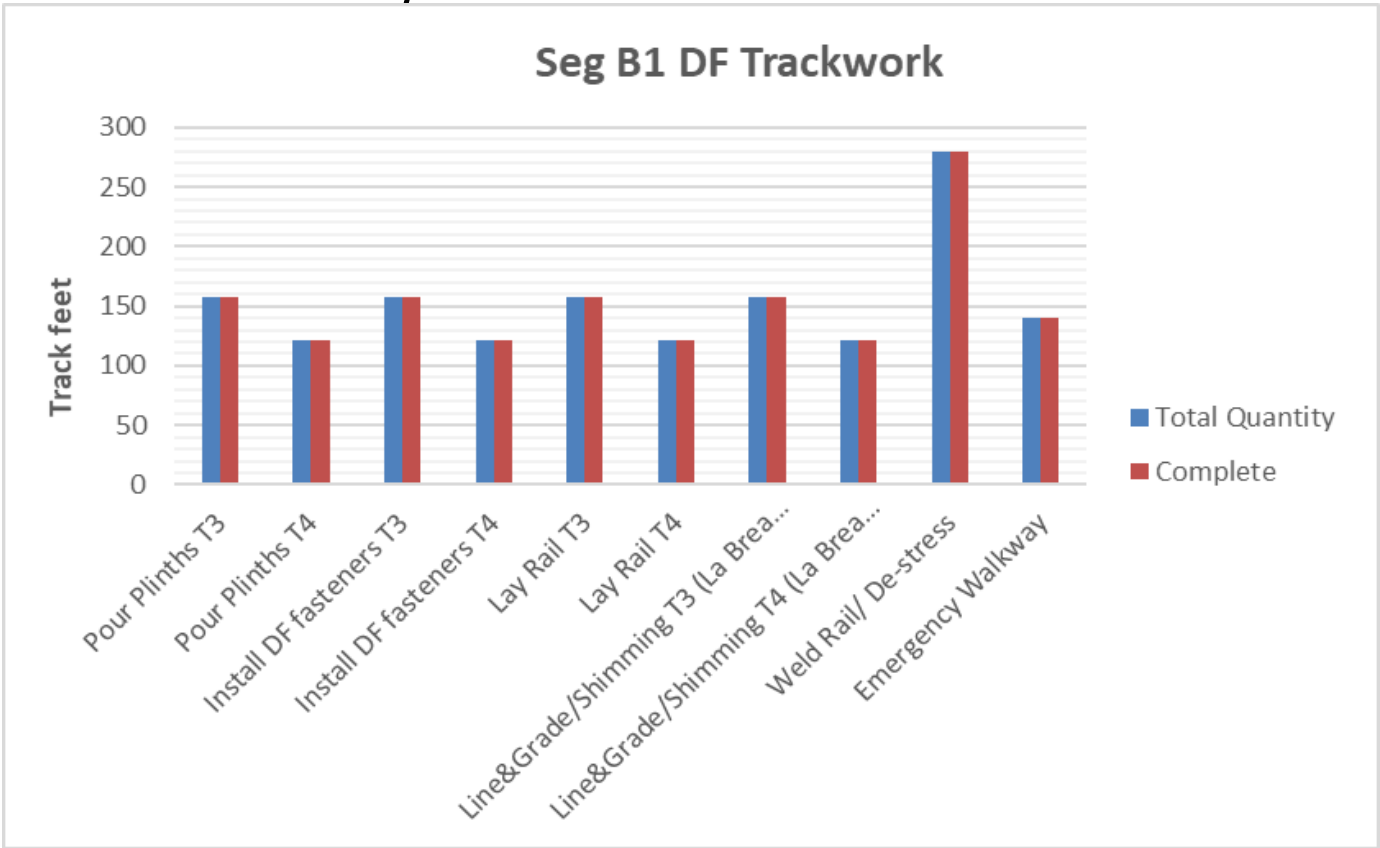
CRENSHAW/LAX PHOTOGRAPHIC UPDATE

SEGMENT B1:

- Disturbed ballast due to systems electrical conduit relocations continues to be repaired and re-dressed.
- WSCC continues the Jet Grouting of MSE Wall 202.
- Investigation of rail flaws continues.

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						
	BALLASTED TRACKWORK (23,506 TF including grade crossings and Siding track)	Install Bottom Ballast (T3+T4 and Siding)	23,506	23,506	0	100.00%	*	INC	
		Install ties, rail / clips, top ballast T3 + Siding	12,184	12,184	0	100.00%	*	INC	
		Install ties, rail / clips, top ballast T4	11,322	11,322	0	100.00%	*	INC	
		Surface and line / Regulate T3 + Siding	12,184	11,575	609	95.00%			
		Surface and line / Regulate T4	11,322	10,756	566	95.00%			
		De-stress	23,506	23,506	0	100.00%			
		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 (Oak/Cedar/Eucalyptus/Ivy/Centinelna, High (50%), West, Brynhurst)	8	8			100.00%		
	DF =	Direct Fixation							
	T3 =	Track 3							
T4 =	Track 4								
TF =	Track Feet								
*	Potential for rework 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								

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

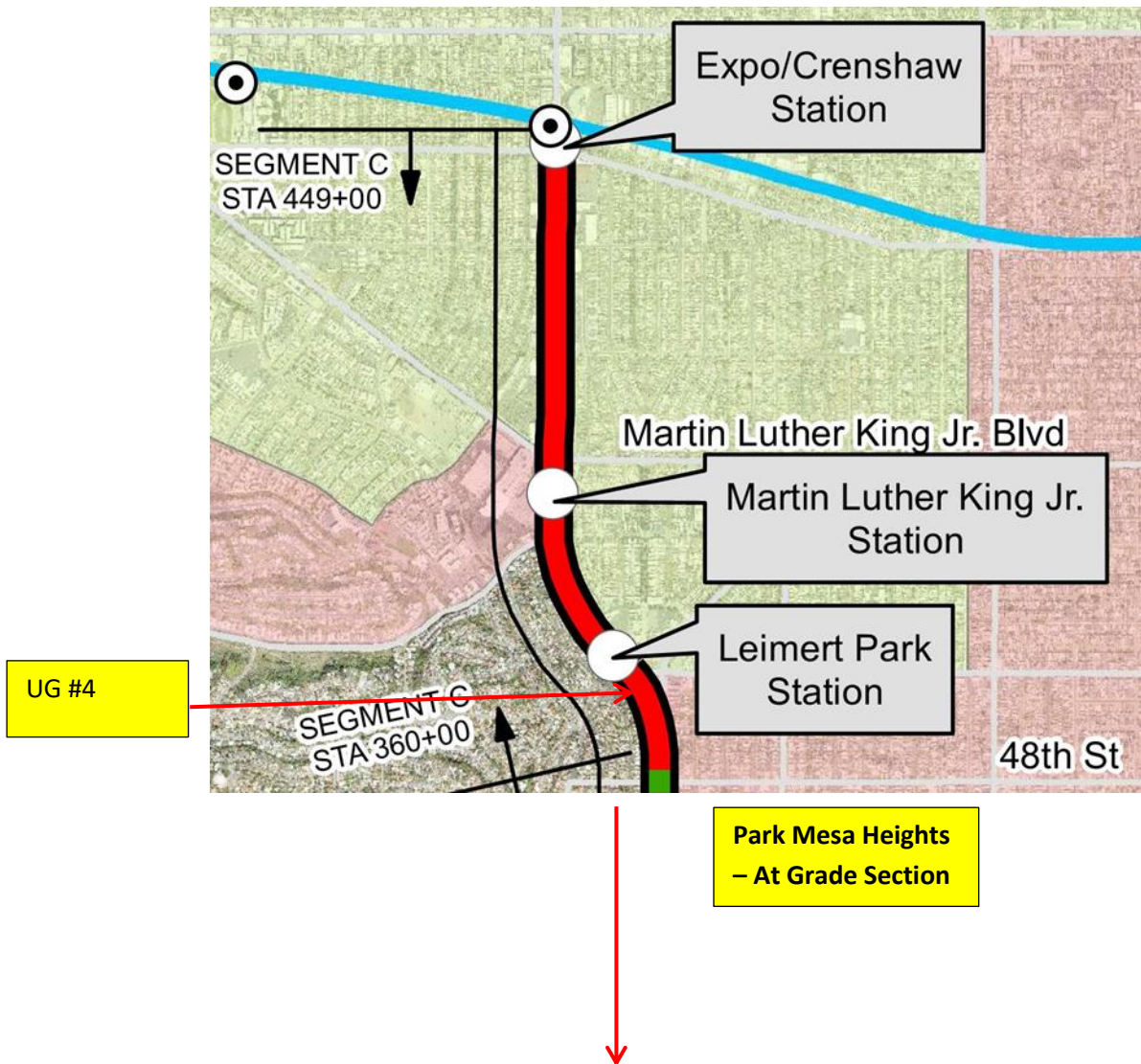


CRENSHAW/LAX PHOTOGRAPHIC UPDATE

SEGMENT B2:

- Disturbed ballast due to systems electrical conduit relocations continues to be repaired and re-dressed.
- Rework of plinth gap to invert continues throughout the Segment resetting and adjusting fasteners, sealing plinth to invert joints, and finishing the surface of the plinths.
- Rework of crossing panels continues.

Segment C



CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Performed inspections of all the tunnel booster fans in preparation for start-up/energization.



LEIMERT PARK STATION – Fine grading sidewalk on northbound Crenshaw Blvd between Vernon Ave and 43rd Pl.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

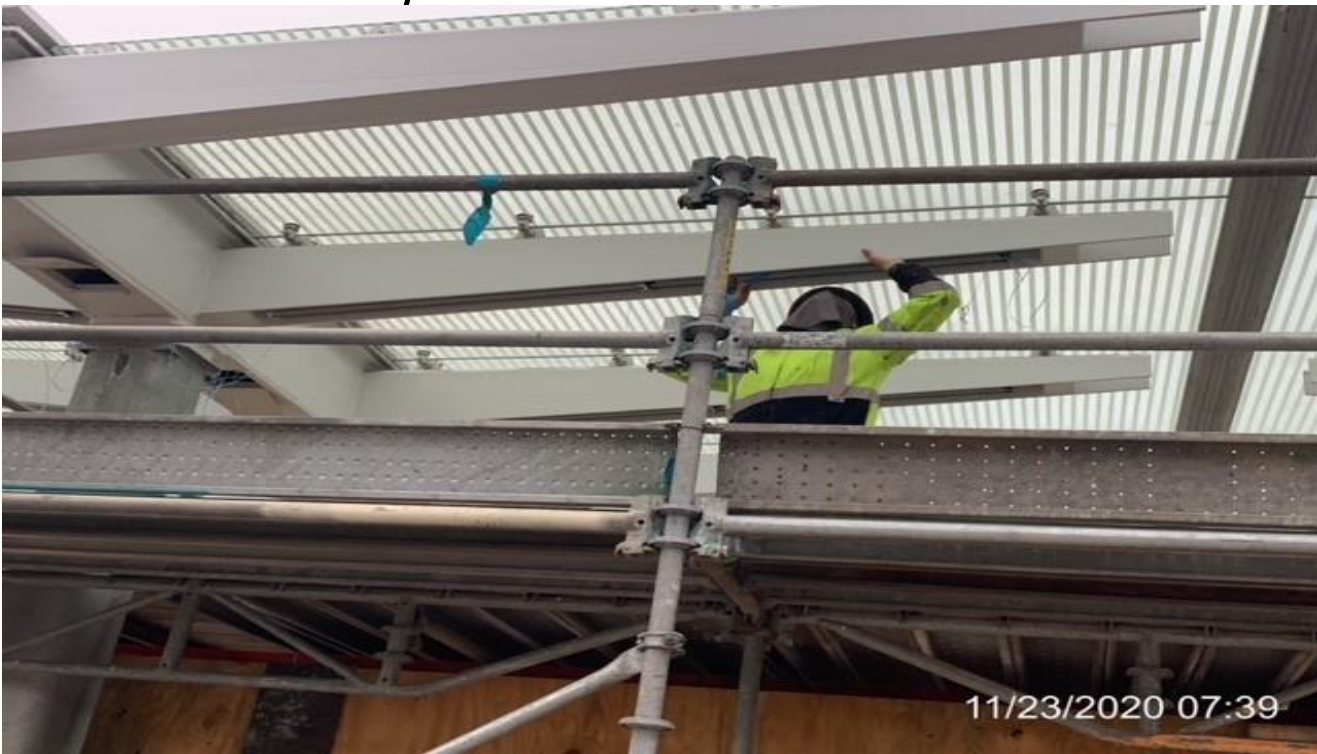


LEIMERT PARK STATION – Continue fine grading and compacting sidewalk on northbound Crenshaw Blvd between Vernon Ave and 43rd Pl.



LEIMERT PARK STATION – Continue installing BOCA light fixtures to the main entrance canopy outriggers at the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Caulking and sealing the BOCA light fixtures to the main entrance canopy outriggers at the plaza.



LEIMERT PARK STATION – Applying finish paint to the main entrance canopy outriggers at the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Placing concrete for the top step of Emergency Exit Stair 1 at the plaza.



LEIMERT PARK STATION – Applying finish paint to the outriggers of Elevators 1&2 at the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Wiring up the main entrance roll-up gate at the plaza.



LEIMERT PARK STATION – Caulking and sealing glass panels for Elevators 1&2 at the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

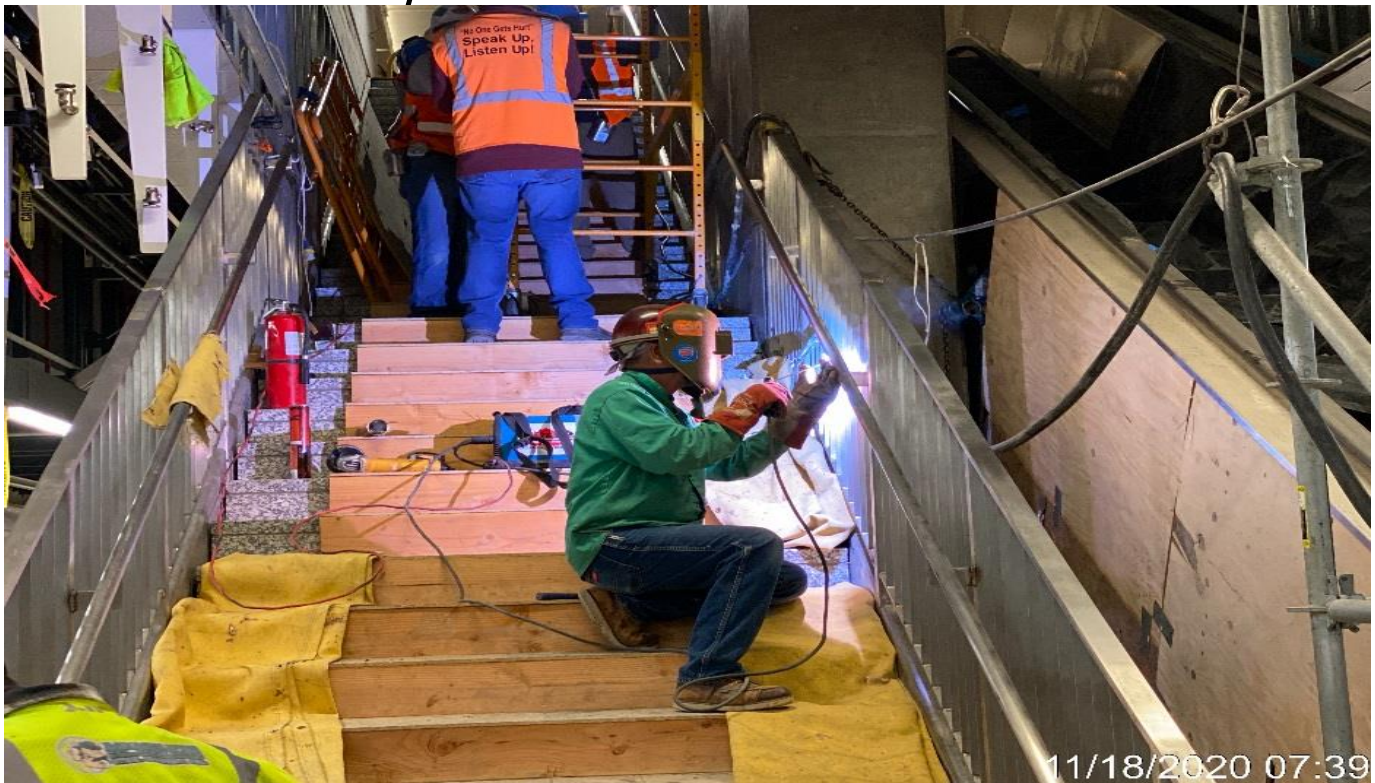


LEIMERT PARK STATION – Installing CCTV cameras to the pedestrian street light poles at the plaza.

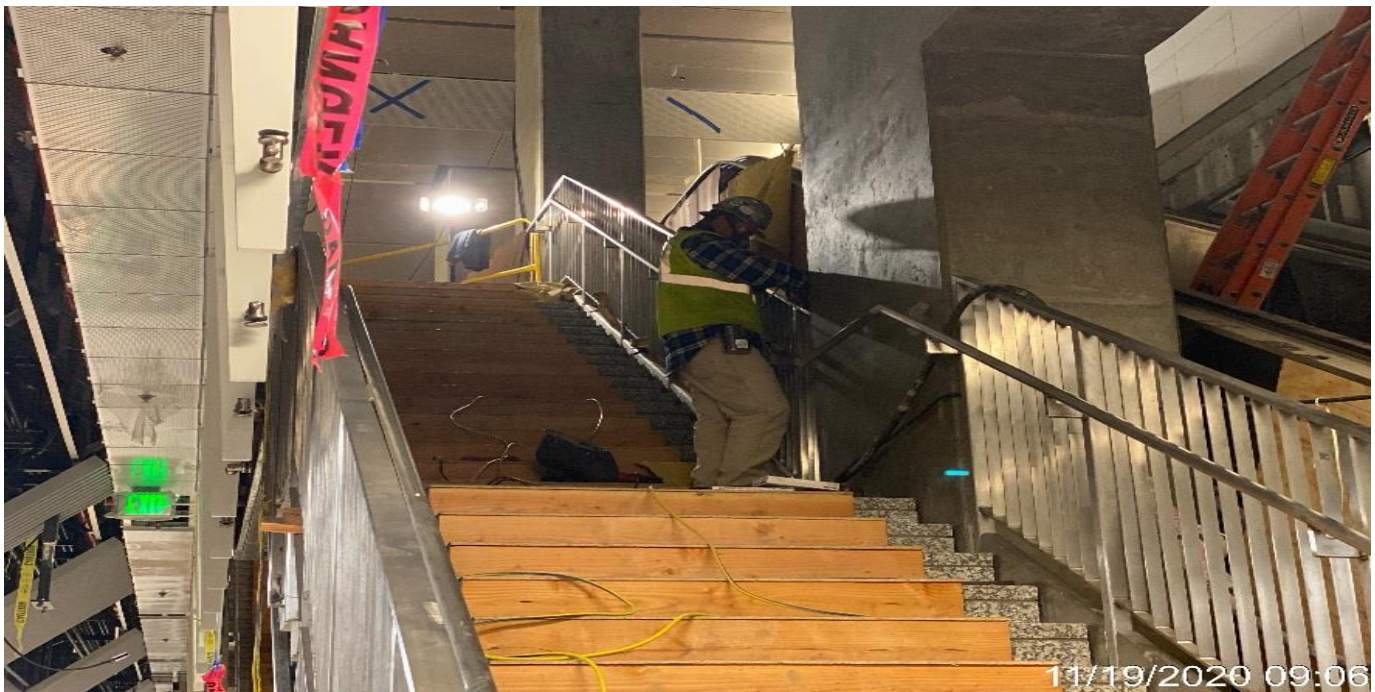


LEIMERT PARK STATION – Installing LED light fixtures to the ceiling of the intermediate landing.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Continue installing/welding guardrails to Staircases 3 from concourse to platform.



LEIMERT PARK STATION – Continue installing/welding guardrails to Staircases 3 from concourse to platform.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

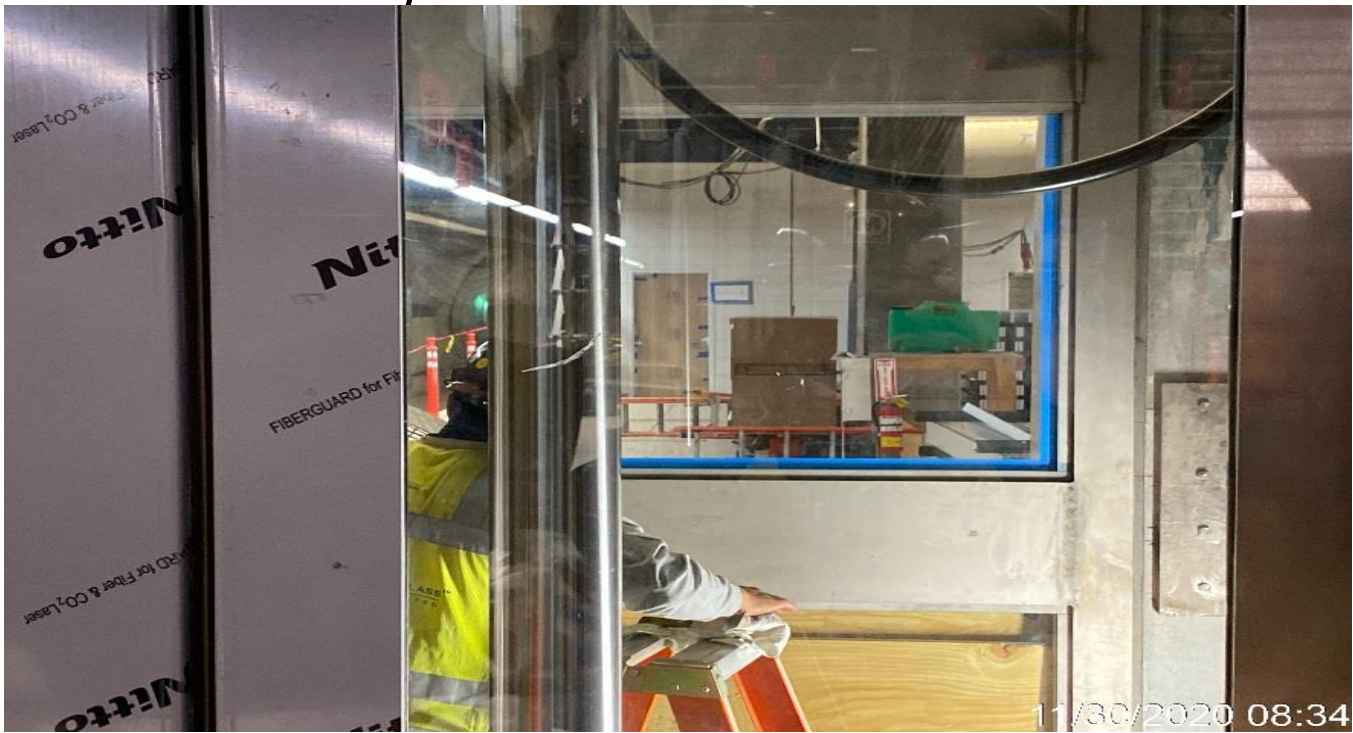


LEIMERT PARK STATION – Continue installing/welding guardrails to Staircases 3 from concourse to platform.

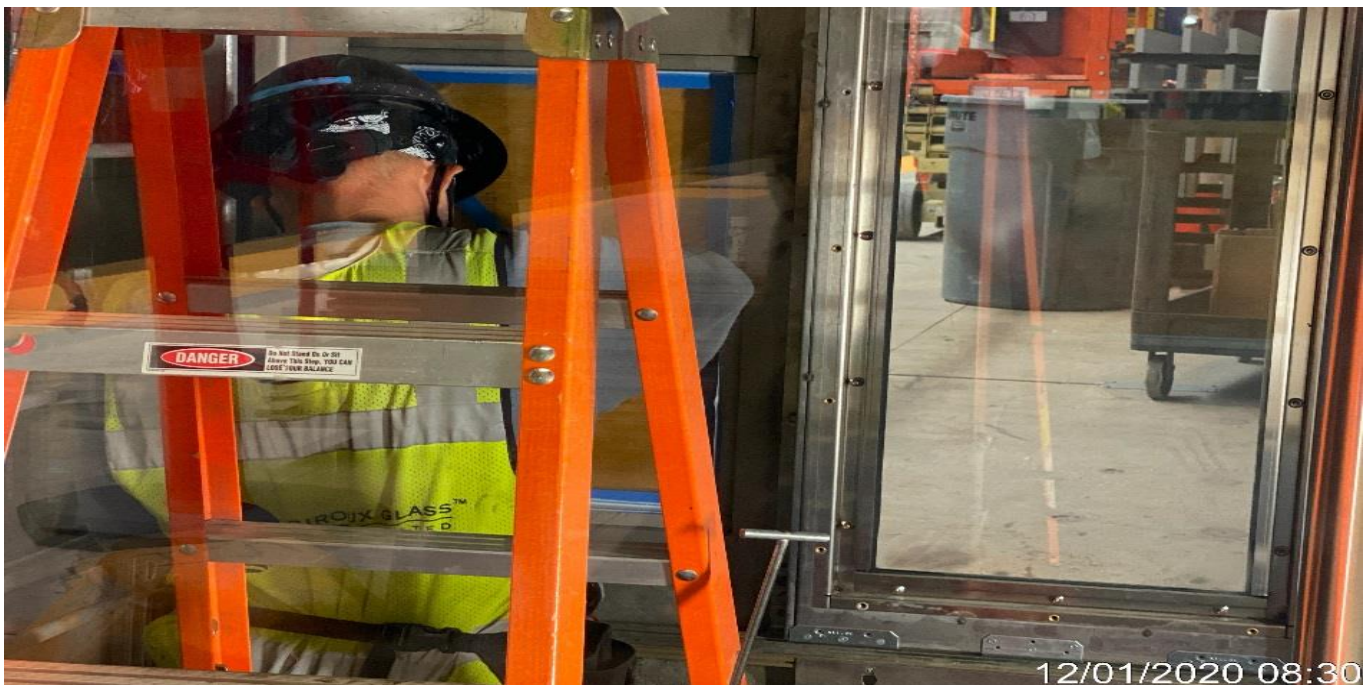


LEIMERT PARK STATION – Resume diagonal screen panel installation along the north and southbound side of the platform.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

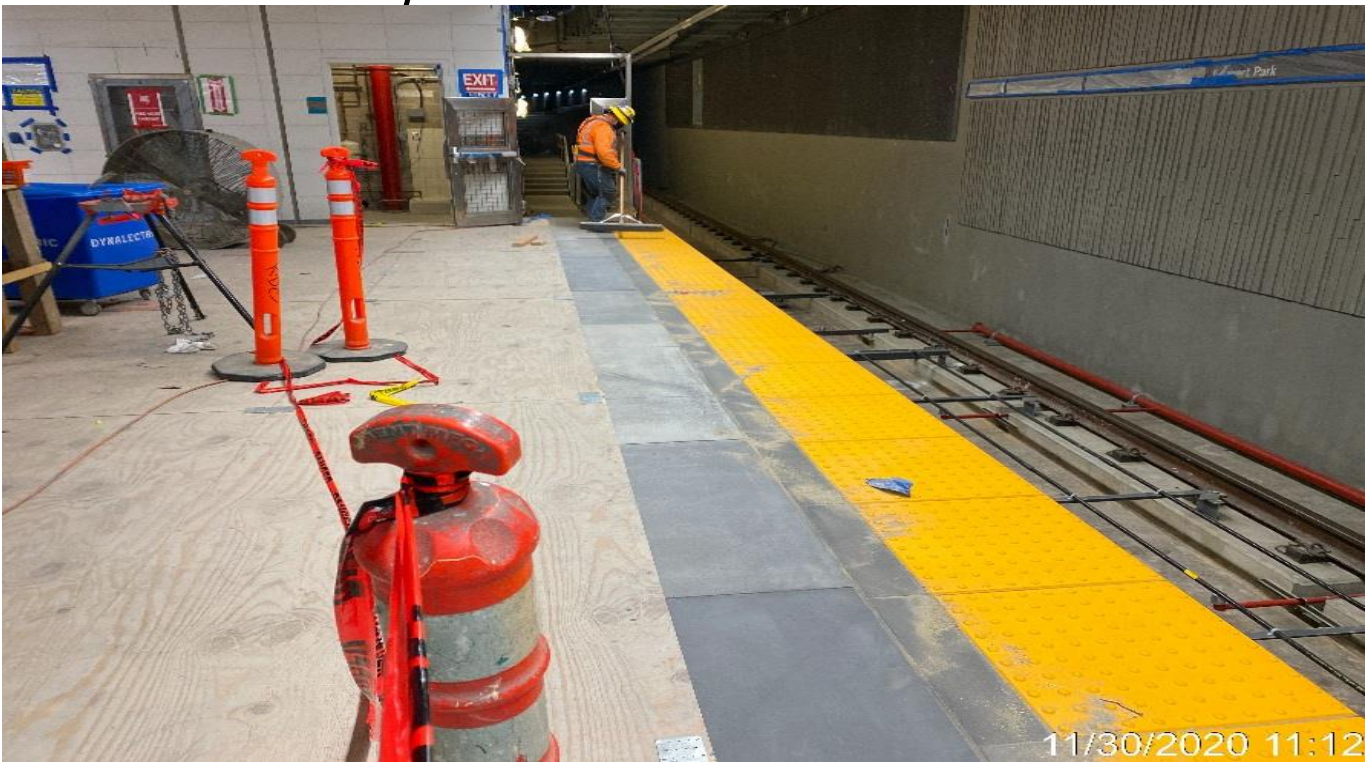


LEIMERT PARK STATION – Caulking and sealing the glass panels for Elevators 3&4 at the platform.



LEIMERT PARK STATION – Continue caulking and sealing the glass panels for Elevators 3&4 at the platform.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

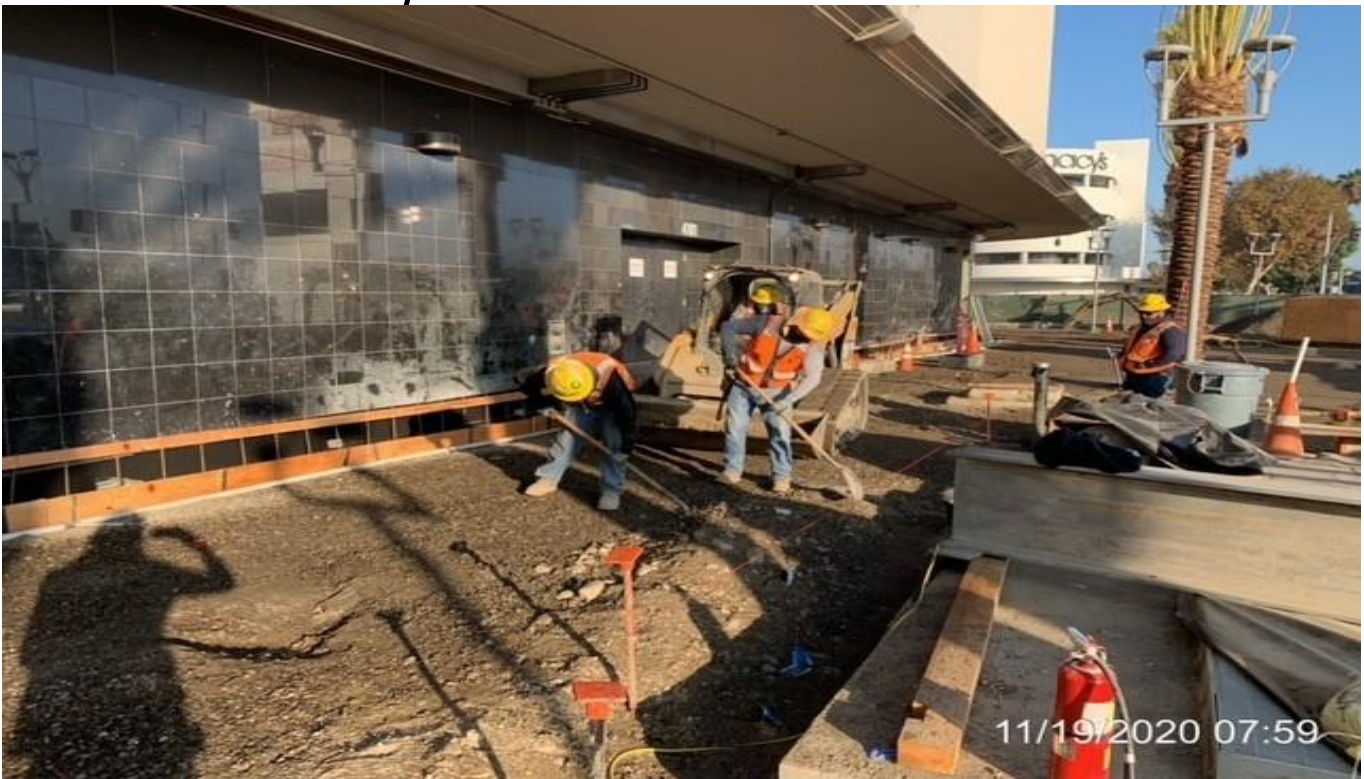


LEIMERT PARK STATION – Preparing to set thermoplastic striping to the truncated domes along the north and southbound edges of the platform.



MLK STATION – Continue laying base and compacting the north end area of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

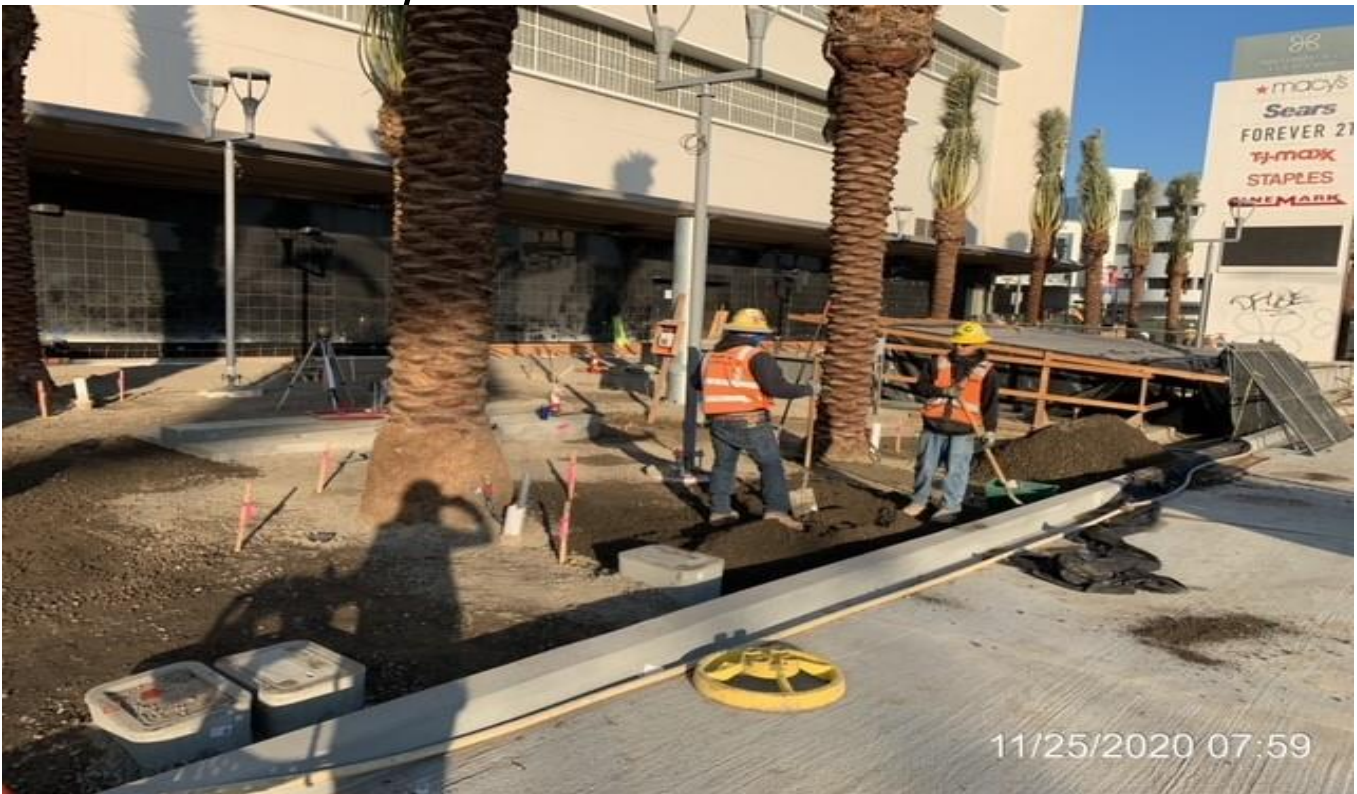


MLK STATION – Continue laying base and compacting the north end area of the plaza.



MLK STATION – Continue laying base and compacting the north end area of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue laying base and compacting the north end area of the plaza.



MLK STATION – Continue laying base and compacting the south end area of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

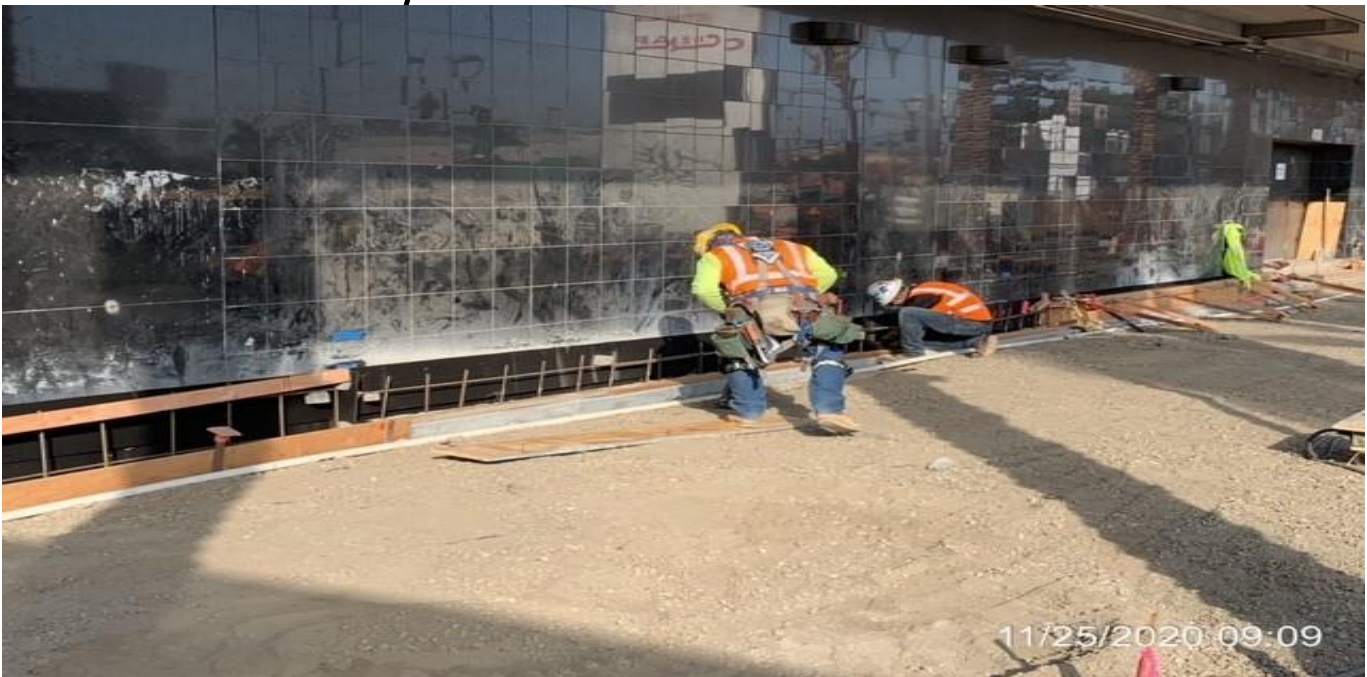


MLK STATION – Lifting steel ladders to be set and installed inside the South Air Exhaust Shaft at the plaza.



MLK STATION – Applying coat of waterproofing membrane sealant to the interior walls of the north planter at the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue setting formwork along the Mall at the plaza for new walkway curb.



MLK STATION – Digging for backflow irrigation for the North planter wall at the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue BOCA light fixture installation to the main entrance canopy outriggers at the plaza.



MLK STATION – Installing steel mud pans to the edges of Escalators 1&2 at the main entrance of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue installing steel mud pans to the edges of Escalators 1&2 at the concourse.



MLK STATION – Installing trolley beams to the walls inside the Tunnel Vent/OTE Plenum South C-101 at the concourse.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Installing LED light fixtures to the ceilings of the Paid Area at the concourse.

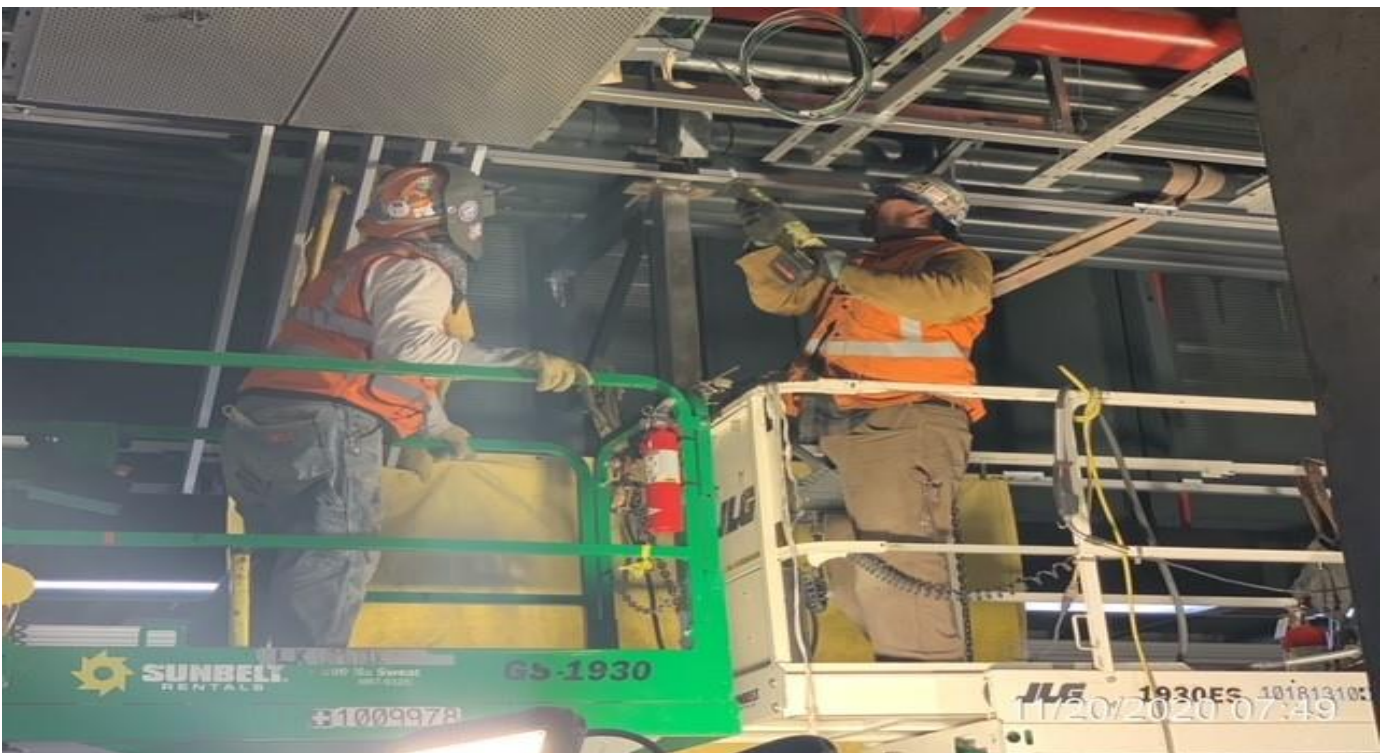


MLK STATION – Continue installing LED light fixtures to the ceilings of the Paid Area at the concourse.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

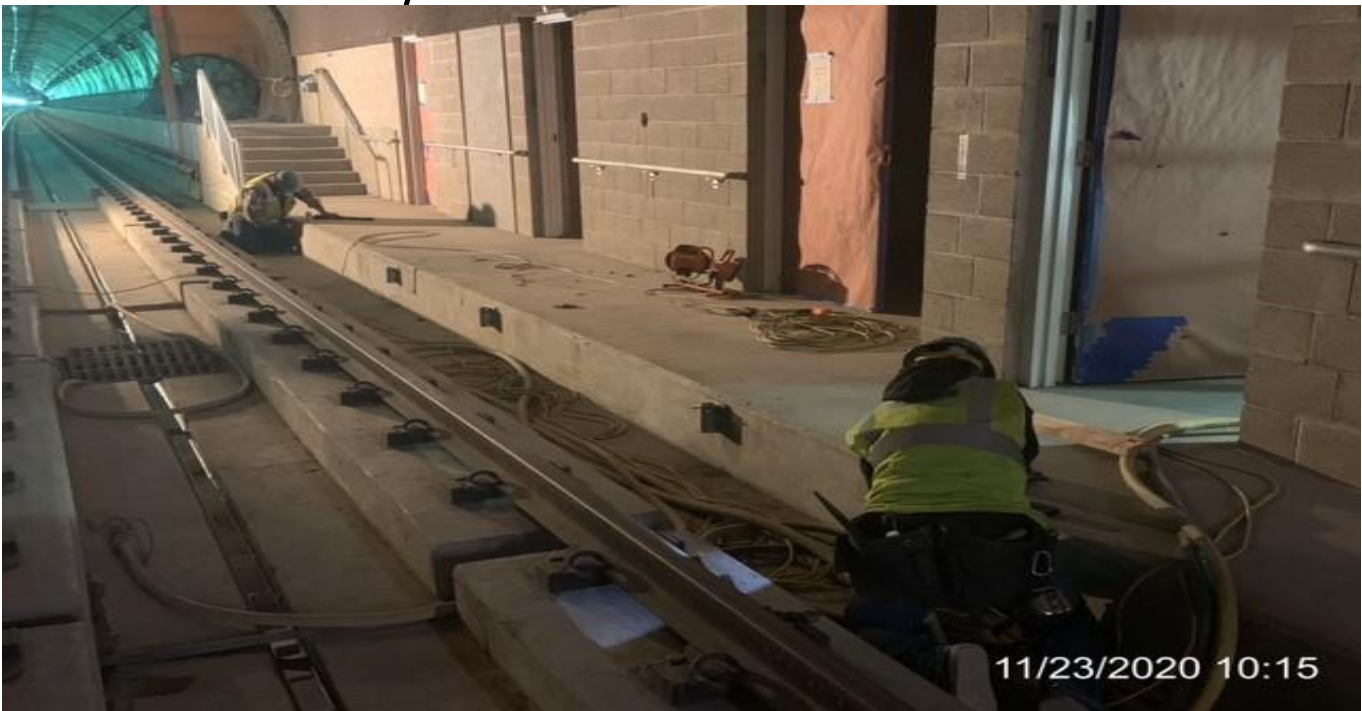


MLK STATION – Installing map cases at the Paid Area of the concourse.



MLK STATION – Welding support arm system for the LCD/VMS monitor along the northbound of the platform.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

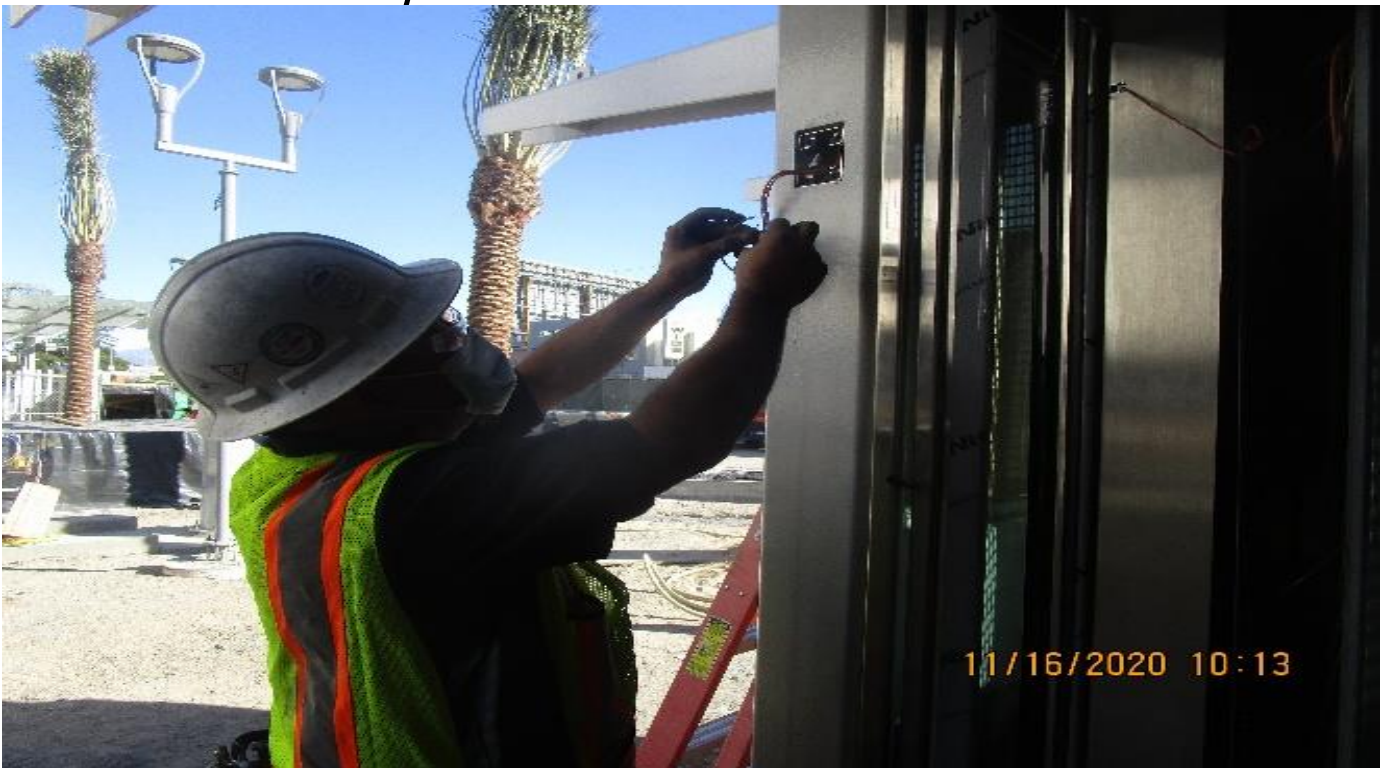


MLK STATION – Performing layout for guardrail installation at the South Back of House along the northbound side of the platform.



MLK STATION – Installing guardrails at the North and South Back of House along both the north and southbound side of the platform.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – MLK (S) Plaza, Elevators 1 & 2, resume interior cab canopy SS panel install & key switch re-install.

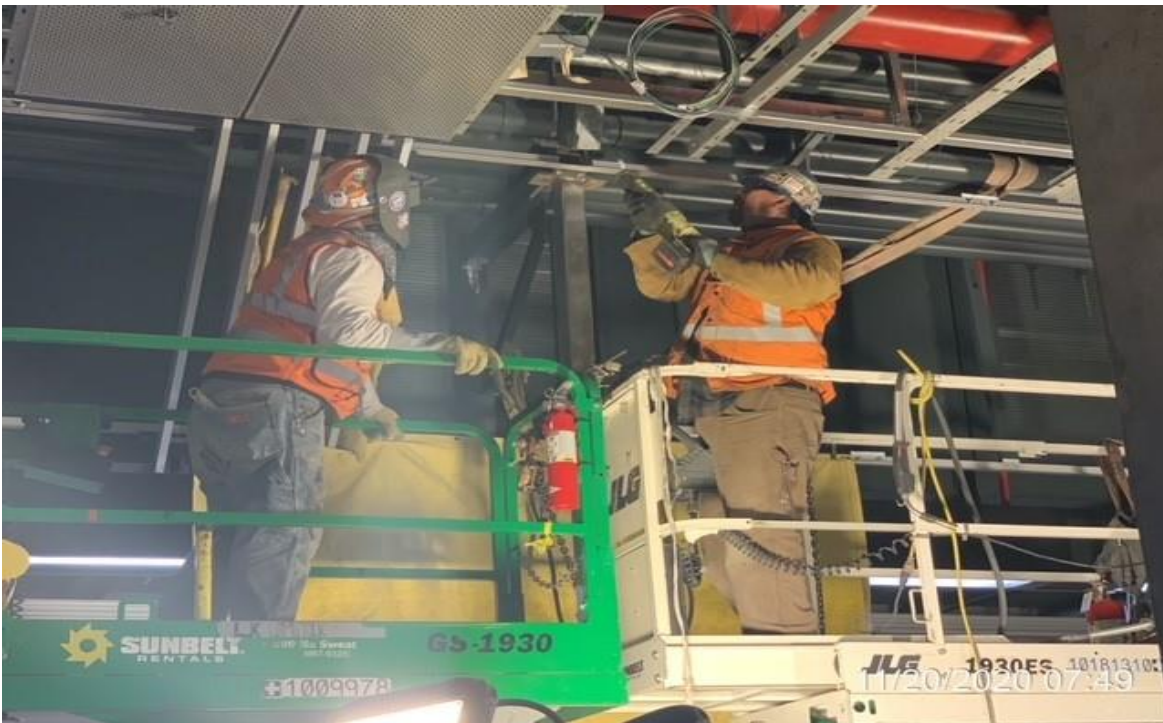


MLK STATION – MLK, Aux power room (N) C132, MCC2/N. resume rough in 18"x18"x12" SCADA PB & (2) 1-1/2" FRC

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

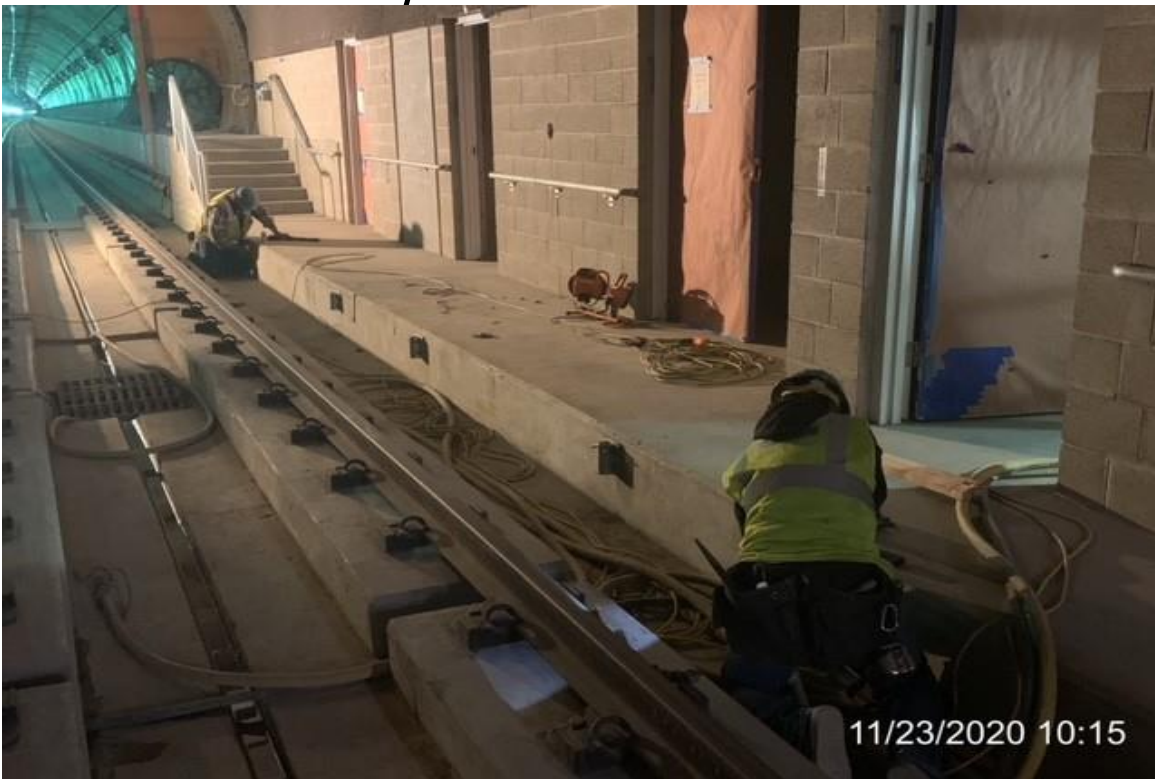


MLK STATION – MLK (S) Plaza, Entrance canopy outriggers begin installing BOCA emergency & normal lighting fixtures.

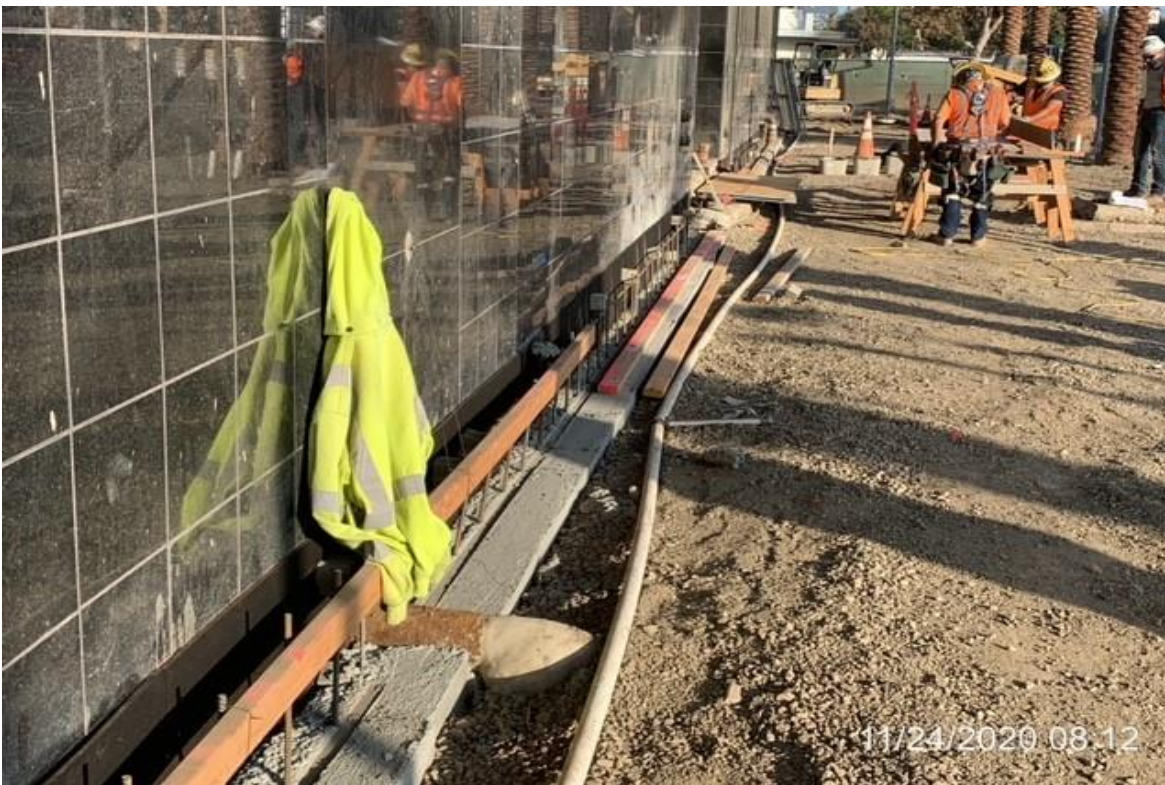


MLK STATION – WSSC ironworkers welding support arm for LCD.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – MLK – McMahon installing guard rails at invert level.



MLK STATION – WSCC carpenters building formwork for curb wall along mall.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – MLK Plaza, entrance canopy continued terminating #12 normal & emergency lighting (hot, neutral ground).



EXPO STATION - Preparing Manhole 1 for final inspection at northbound Crenshaw Blvd and Obama Blvd.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Continue preparing Manhole 1 for final inspection at northbound Crenshaw Blvd and Obama Blvd.



EXPO STATION– Installing controller cabinets at the northwest corner area of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION– Excavating for fiber optic conduit installation at the northwest corner area of the plaza.

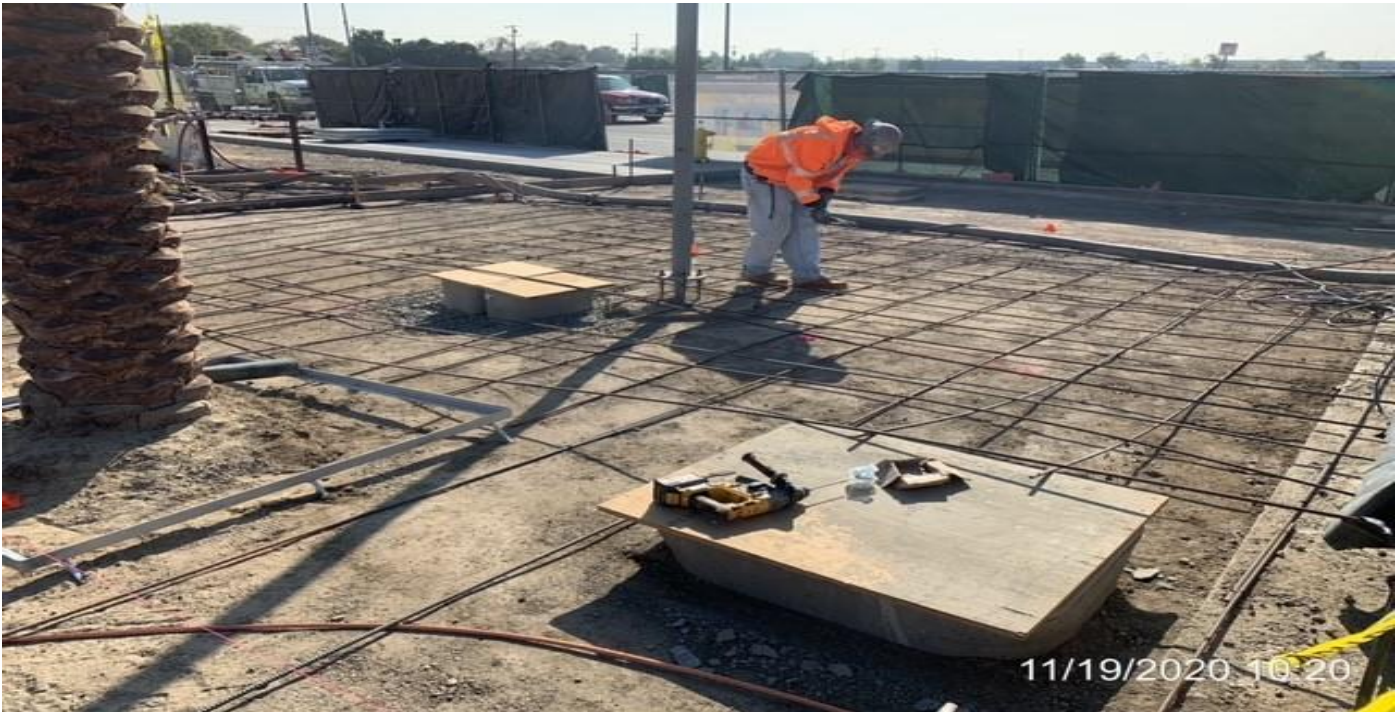


EXPO STATION – Continue installing controller cabinets at the northwest corner area of the plaza and connecting fiber optic conduits to the controller cabinets.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Removing abandoned controller cabinet foundation at northwest corner area of the plaza.



EXPO STATION – Built formwork and placing rebar for the architectural topping slab at the south end section of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION– Continue building formwork and placing rebar for the architectural topping slab at the south end section of the plaza.



EXPO STATION– Placing concrete for the architectural topping slab at the south end section of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Saw cut joints for the architectural topping slab at the south end section of the plaza.



EXPO STATION SITE – Continue building formwork and placing rebar for the architectural topping slab at the south end section of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION SITE – Continue building formwork and placing rebar for the architectural topping slab at the south end section of the plaza.



EXPO STATION – Continue building formwork and placing rebar for the architectural topping slab at the south end section of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Continue building formwork and placing rebar for the architectural topping slab at the center section of the plaza.

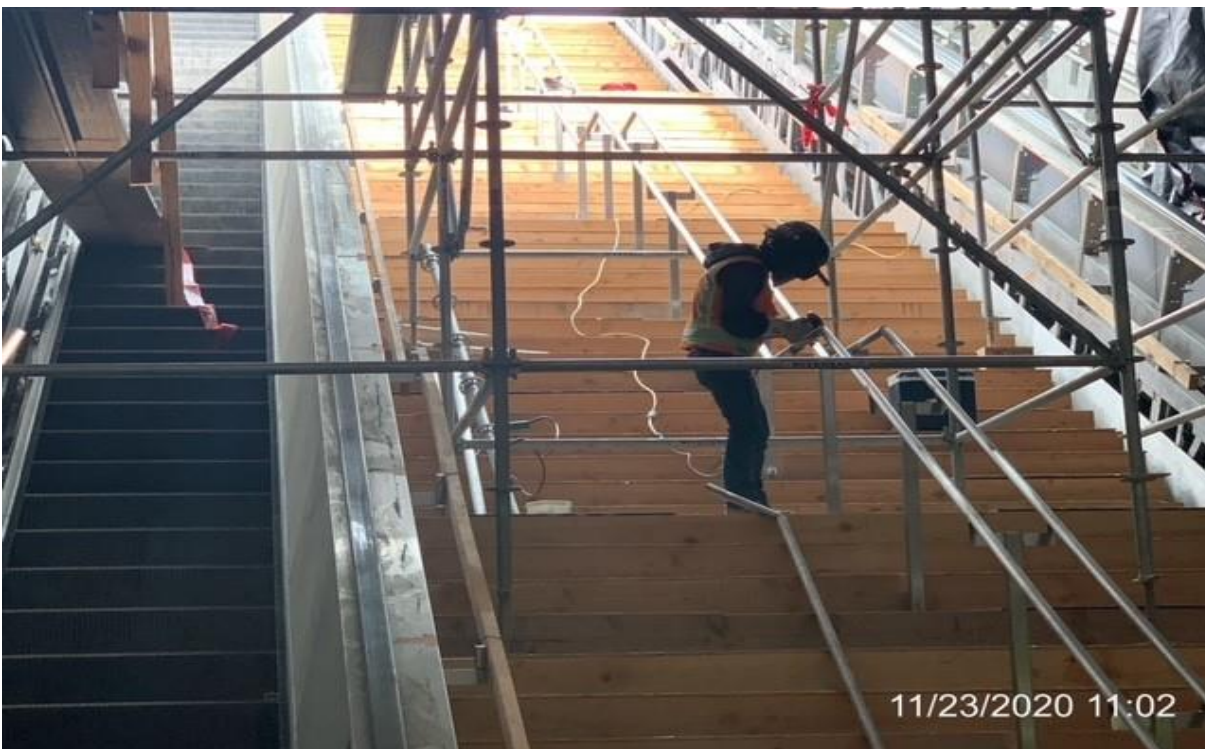


EXPO STATION – Installing ground grid system at the southwest section of the plaza.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Placing concrete over conduit adjacent to the east side bollards at the plaza.



EXPO STATION SITE– Continue installing and grinding guardrails for Staircase 3 from concourse to platform.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Installing guardrails for Staircase 2 from concourse to platform.



EXPO STATION – Installing cement board sheet to the furred out wall for the Mosaic Art Wall at the concourse.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

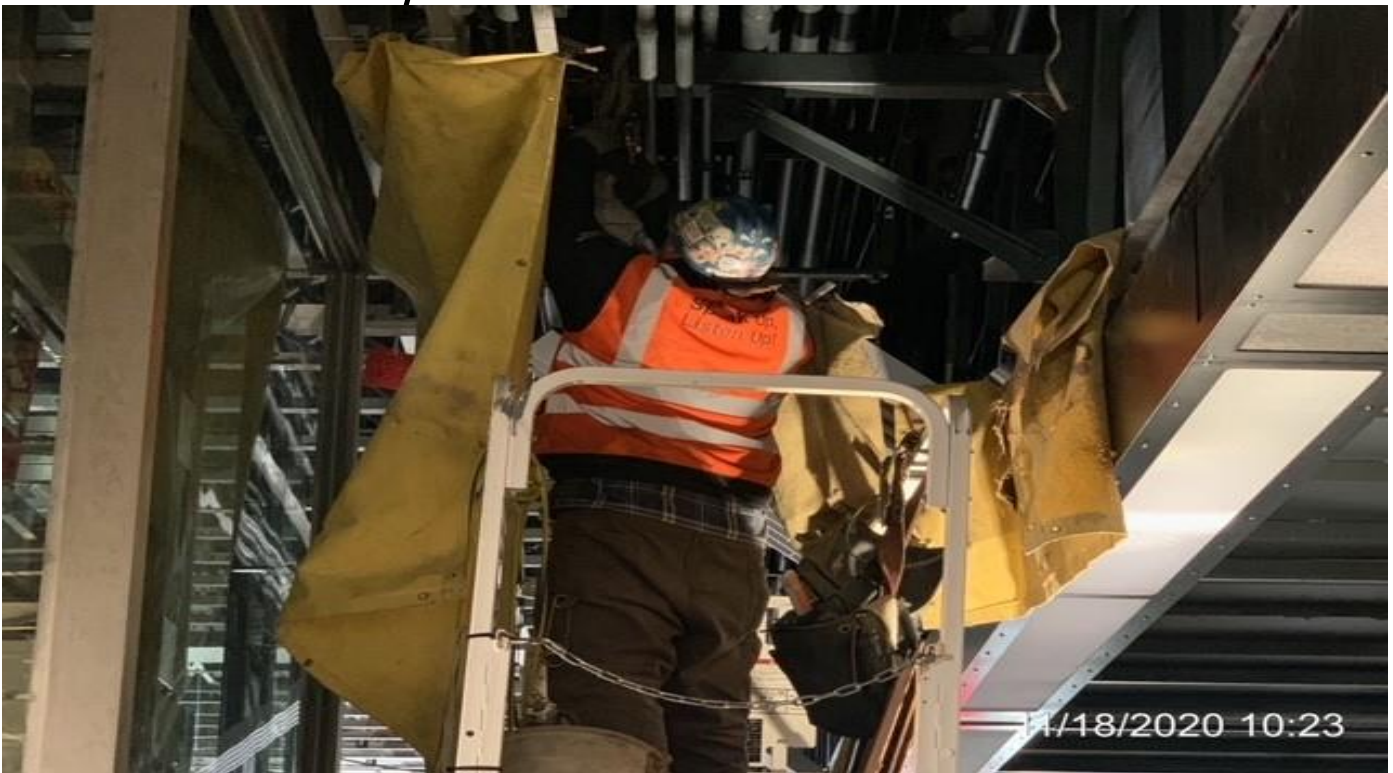


EXPO STATION – Continue installing cement board sheet to the furred out wall for the Mosaic Art Wall at the concourse.



EXPO STATION – Installing down stand support plate to the edge lights along the southbound of the platform.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

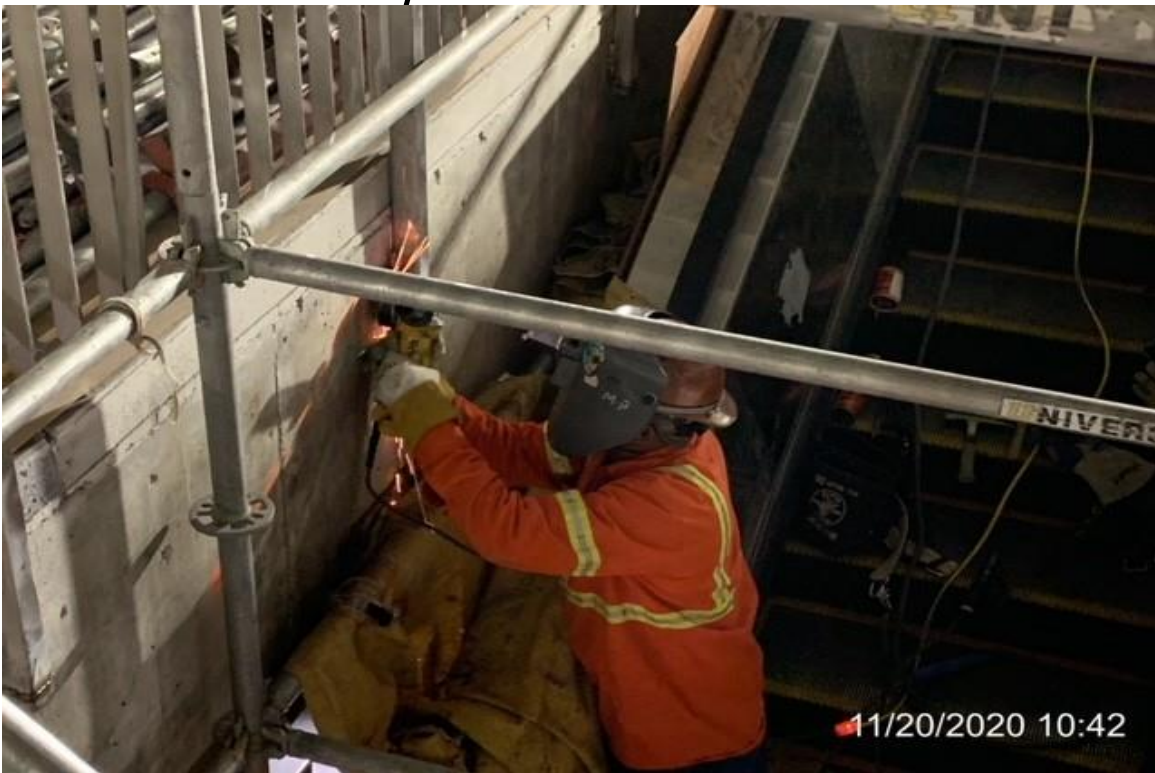


EXPO STATION – Continue installing LCD support arm system along the northbound side of the platform.



EXPO STATION – Dean Visosky tying rebar and setting formwork for concrete slab.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

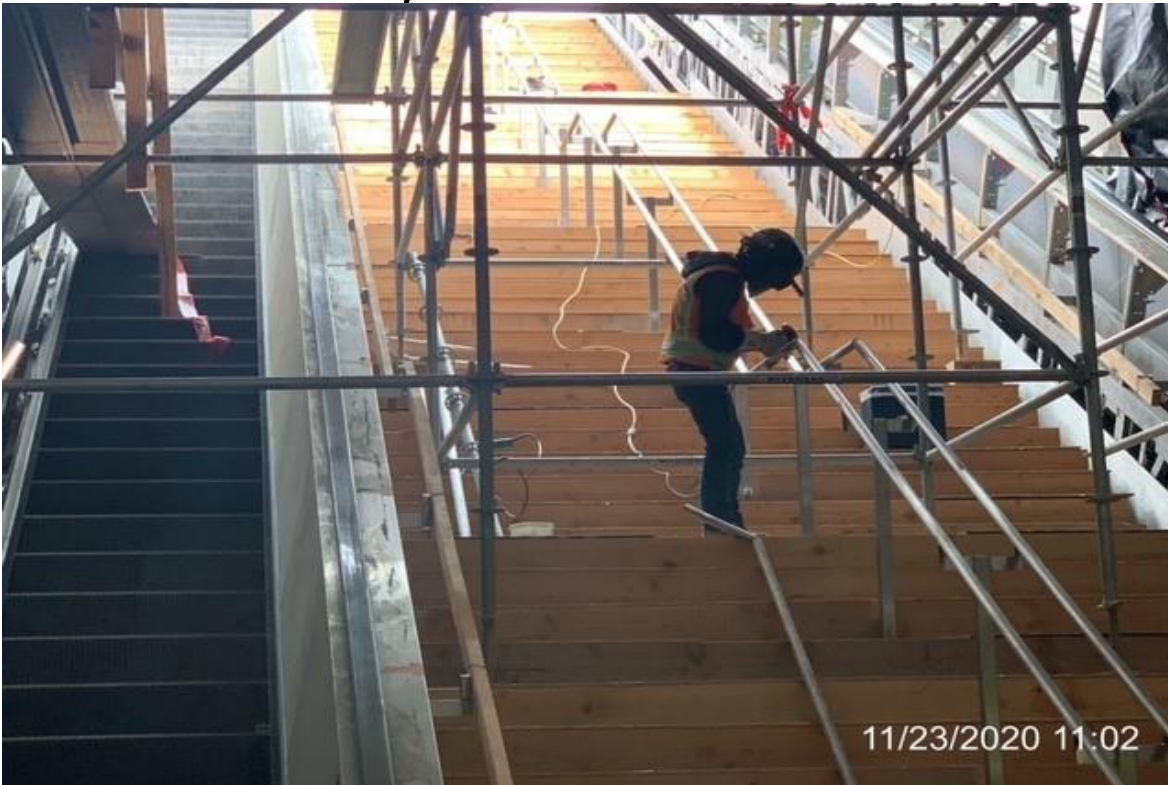


EXPO STATION – McMahon grinding welding posts where they were extended, stair #3.



EXPO STATION – Dean Visosky placing 3 shades of grey concrete slab.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION - McMahon grinding handrail and posts at stair #1.



EXPO STATION – Dean Visosky tying rebar for 3 shades of grey concrete slab.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Marina Landscaping resetting drains to fit within palm tree boxes.

SEGMENT C:

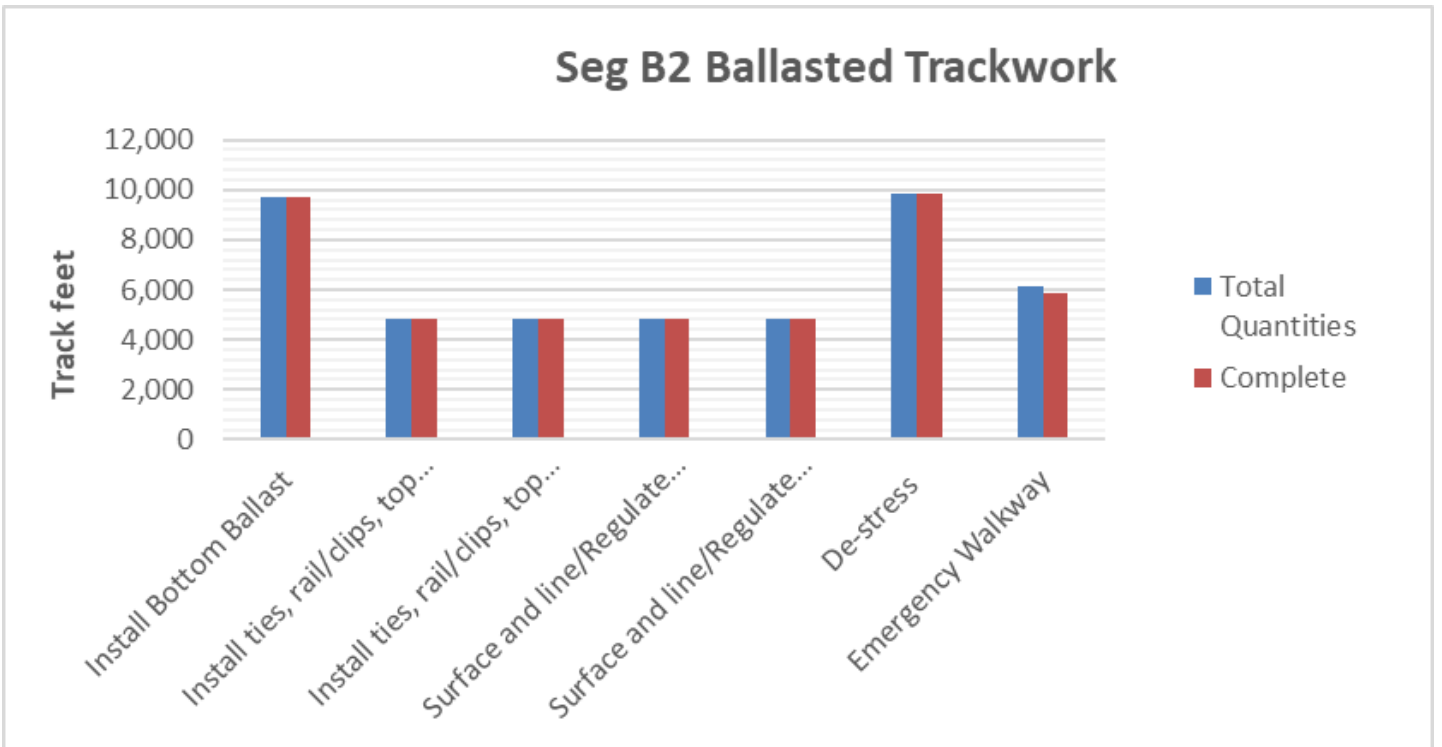
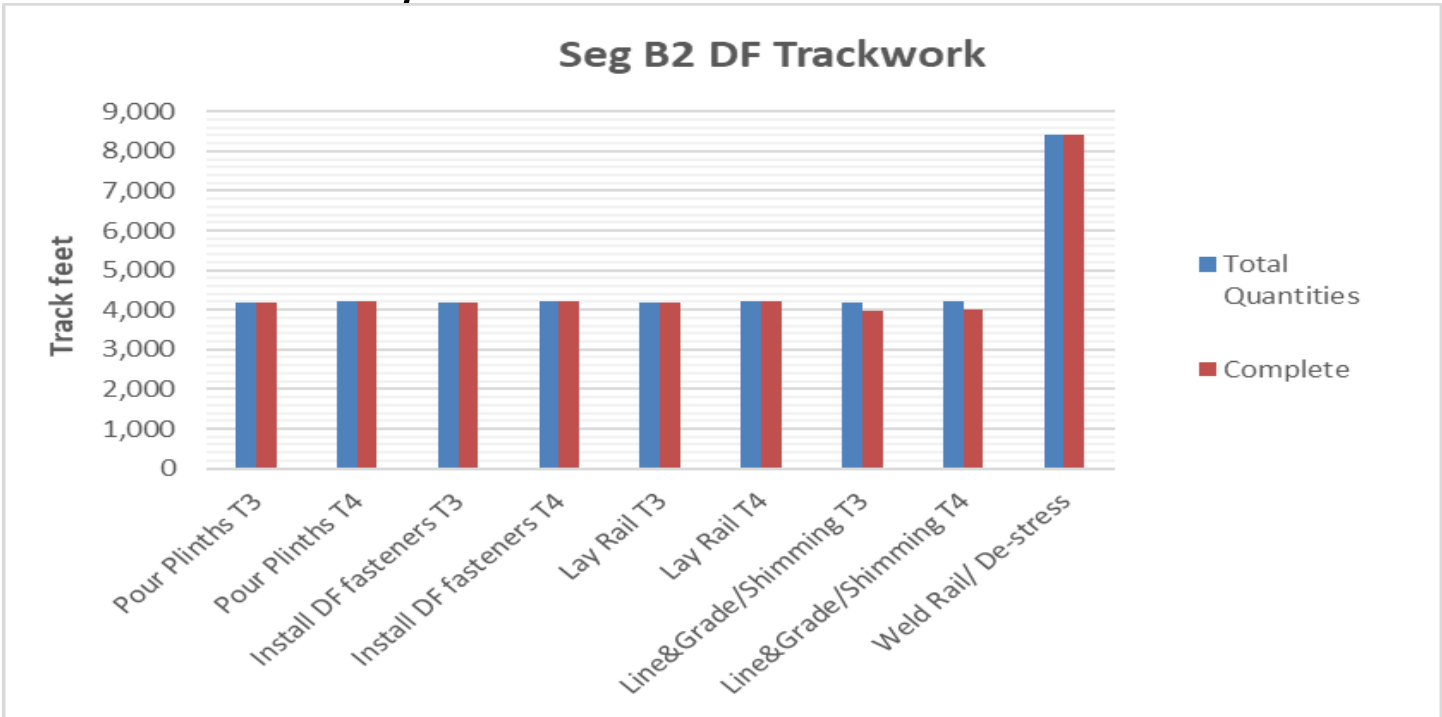
- Rework of plinth gap to invert continues throughout the Segment resetting and adjusting fasteners and sealing plinth to invert joints.
- Rework to replace damaged switch points is complete.
- Rework of VHRF fasteners is still required due to missing shims and incorrect installation.
- Rework of plinths 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.
- Replacement of plinths with failed inserts continues; awaiting pull test for new inserts.
- Installation of DX switch machine at Expo Station continues.

CRENSHAW/LAX PHOTOGRAPHIC UPDATE

PROJECT WIDE TRACKWORK PROGRESS

	TRACK TYPE	ACTIVITY	TRACK FEET/QUANTITY	INSTALLED TO DATE	REMAINING	ACTIVITY % PROGRESS	Potential Rework *	Punchlist **
								(Complete/Incomplete)
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 (9681 TF including grade crossings)	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%	*	
		Surface and line/Regulate T3	4,836	4836	0	100.00%	*	
		Surface and line/Regulate T4	4,845	4845	0	100.00%	*	
		De-stress	9,861	9861	0	100.00%		
		Emergency Walkway	6148	5840	308	94.99%		
	Acceptance for turnover to subcontractors	yes/no	no					
	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, Slausen)	7	6	1	85.71%			
SEGMENT C	DF (16,756 TF)	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				
	SPECIAL TRACKWORK	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%	*	
		Acceptance for turnover to subcontractors	yes/no	no				
DF =	Direct Fixation							
T3 =	Track 3							
T4 =	Track 4							
TF =	Track Feet							
*	Potential for rework 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							

CRENSHAW/LAX PHOTOGRAPHIC UPDATE



CRENSHAW/LAX PHOTOGRAPHIC UPDATE

