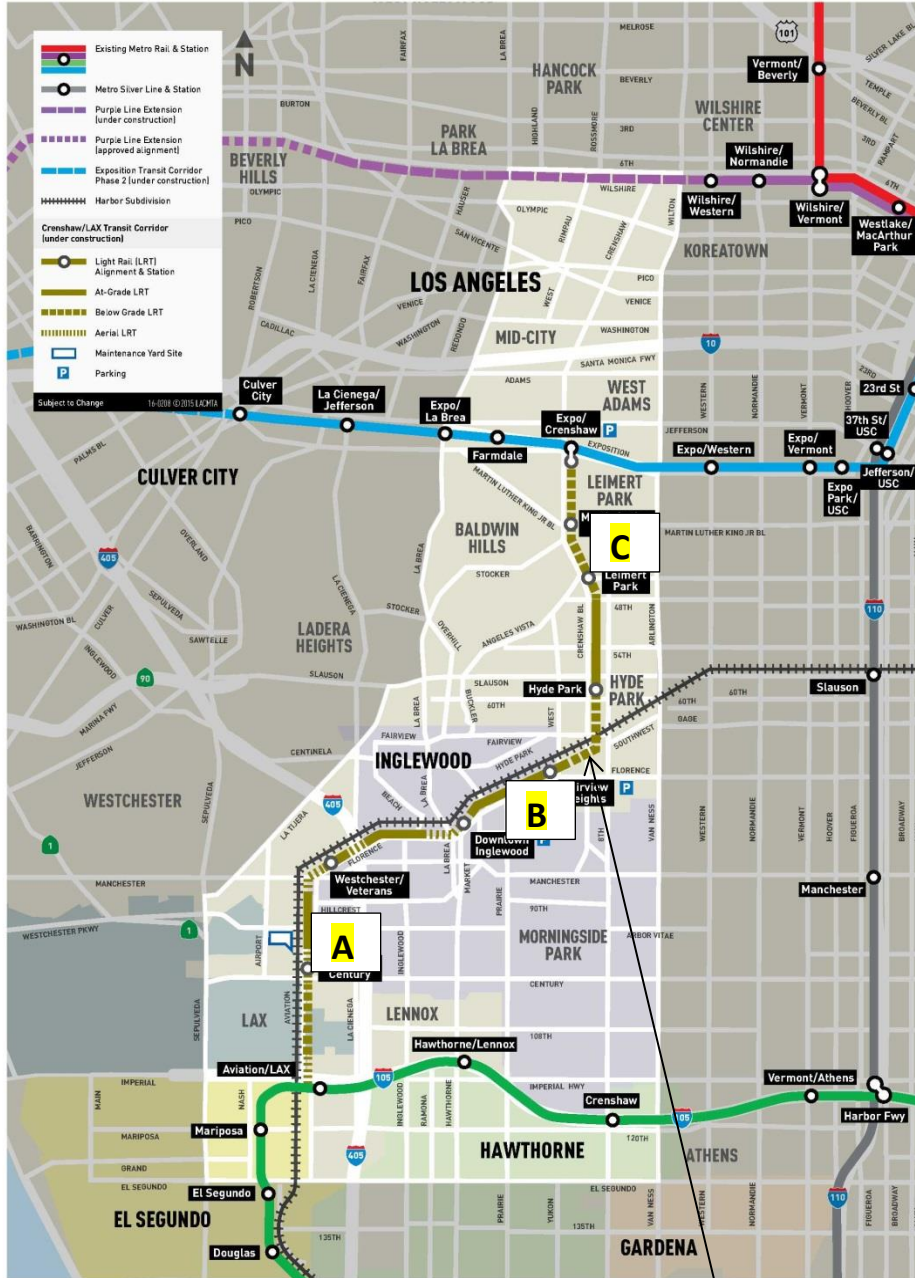


# CRENSHAW/LAX PHOTOGRAPHIC UPDATE

Dec 30, 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 11/30/2020 – 12/15/2020  
(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 on the Century Bridge and in UG3.

Re-checking and adjusting track gauge and alignment continues throughout all Segments.

Jet Grouting of Wall #202 continues.

### Previous Issues unresolved:

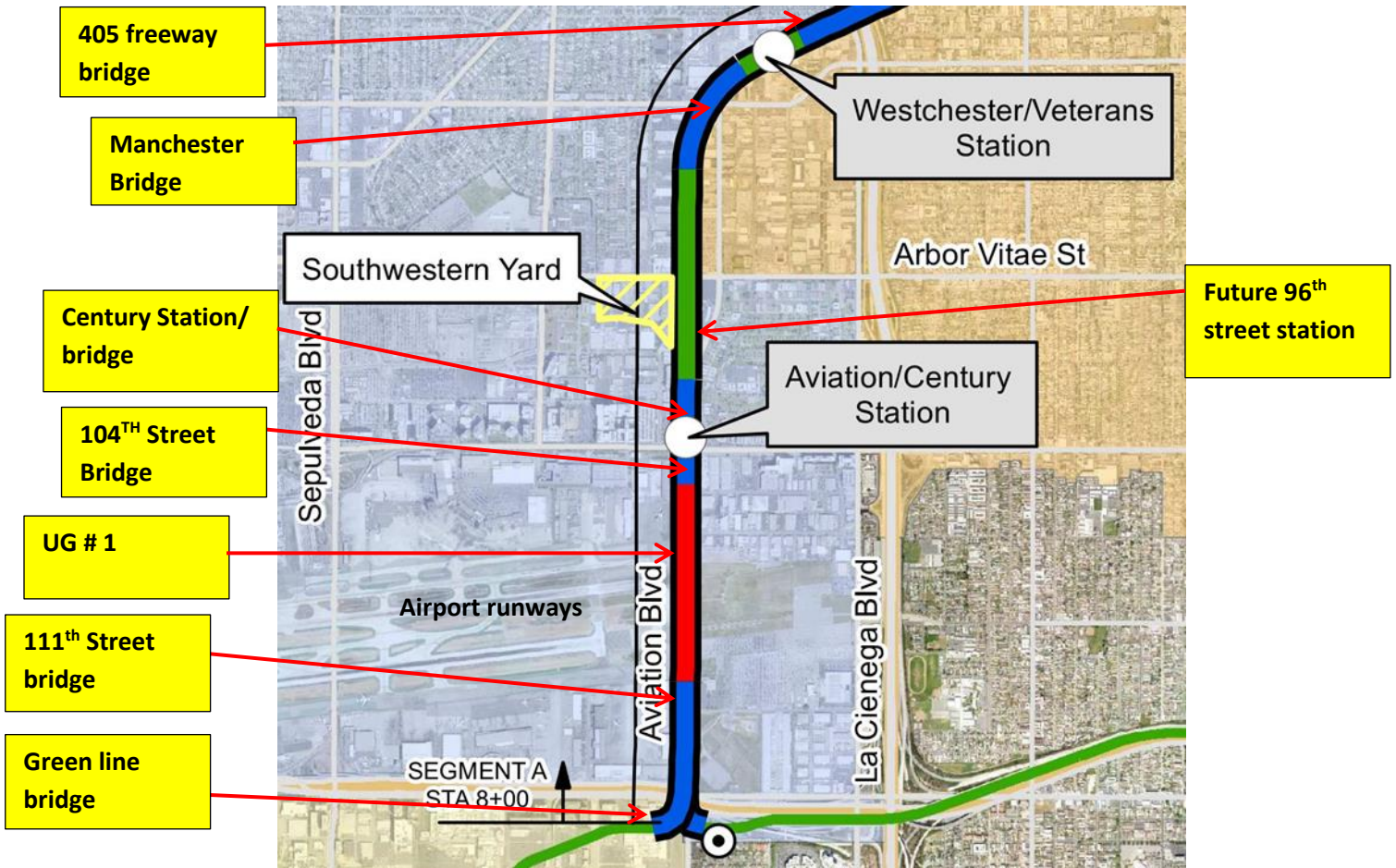
Rail fasteners installed following plinth repairs due to NCR-A-111 are failing QC pull tests. This requires additional demo and replacement of plinths on the Century Bridge and in UG3.

## 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 plinth gap to invert 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 - East leg of Wye WSCC placed extension on Emergency Walkway.



AVIATION/CENTURY- GL Wye STA 13+14 Emergency Walkway extension platform



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



AVIATION/CENTURY- HCC working on open issues log at Century/Aviation bridge 10K1LHXO NB track (looking southeast) Rework



AVIATION/CENTURY- HCC working on 10K1LHXO open issues log for NB track Century/Aviation bridge (looking northeast) Rework

# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



AVIATION/CENTURY- WSCC on Century/Aviation bridge SB track pull testing fastener 133 plinth 18 left side rail result was pass (looking northwest)



AVIATION/CENTURY- HCC working on open issues log Century/Aviation bridge 10K2LHXO SB track



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



12/04/2020

AVIATION/CENTURY- Setting forms for the hardscape concrete at the SW corner of Aviation and Century.



12/04/2020

AVIATION/CENTURY- Traffic signal pole removal at Aviation and Century.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



AVIATION/CENTURY- Placing curb and gutter concrete on the SW corner of Aviation and Century

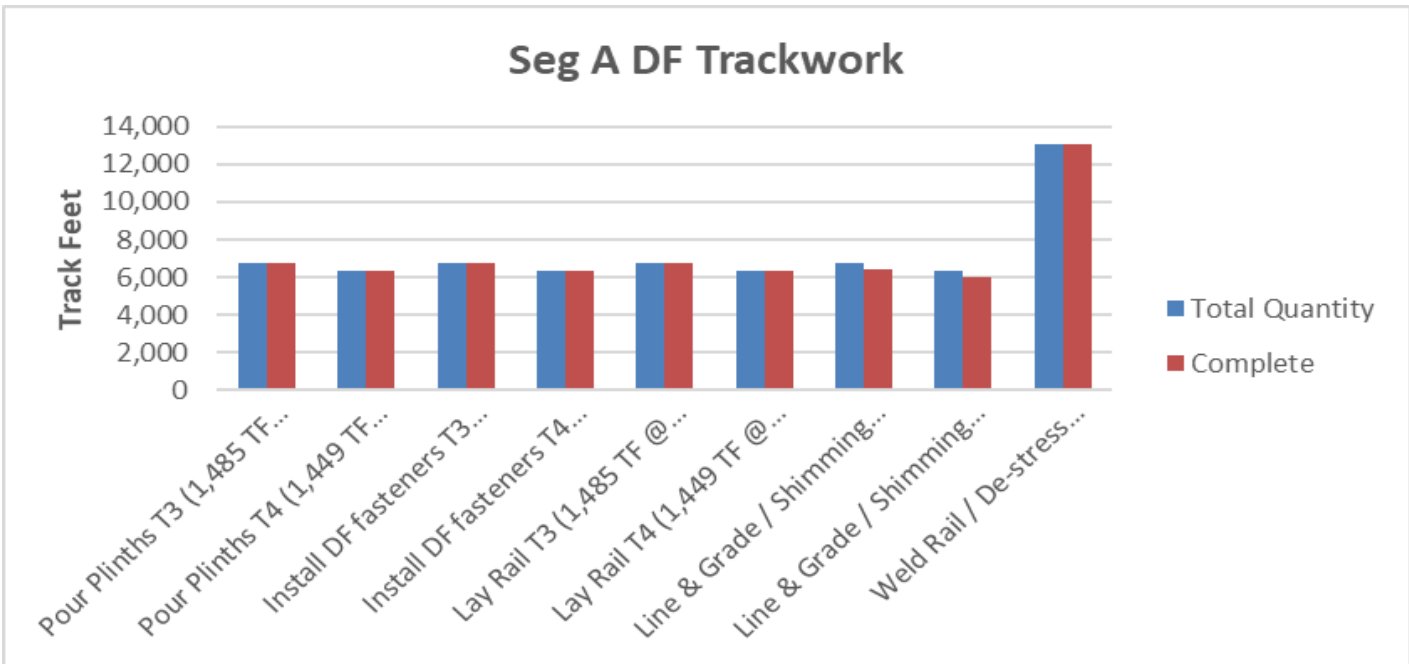
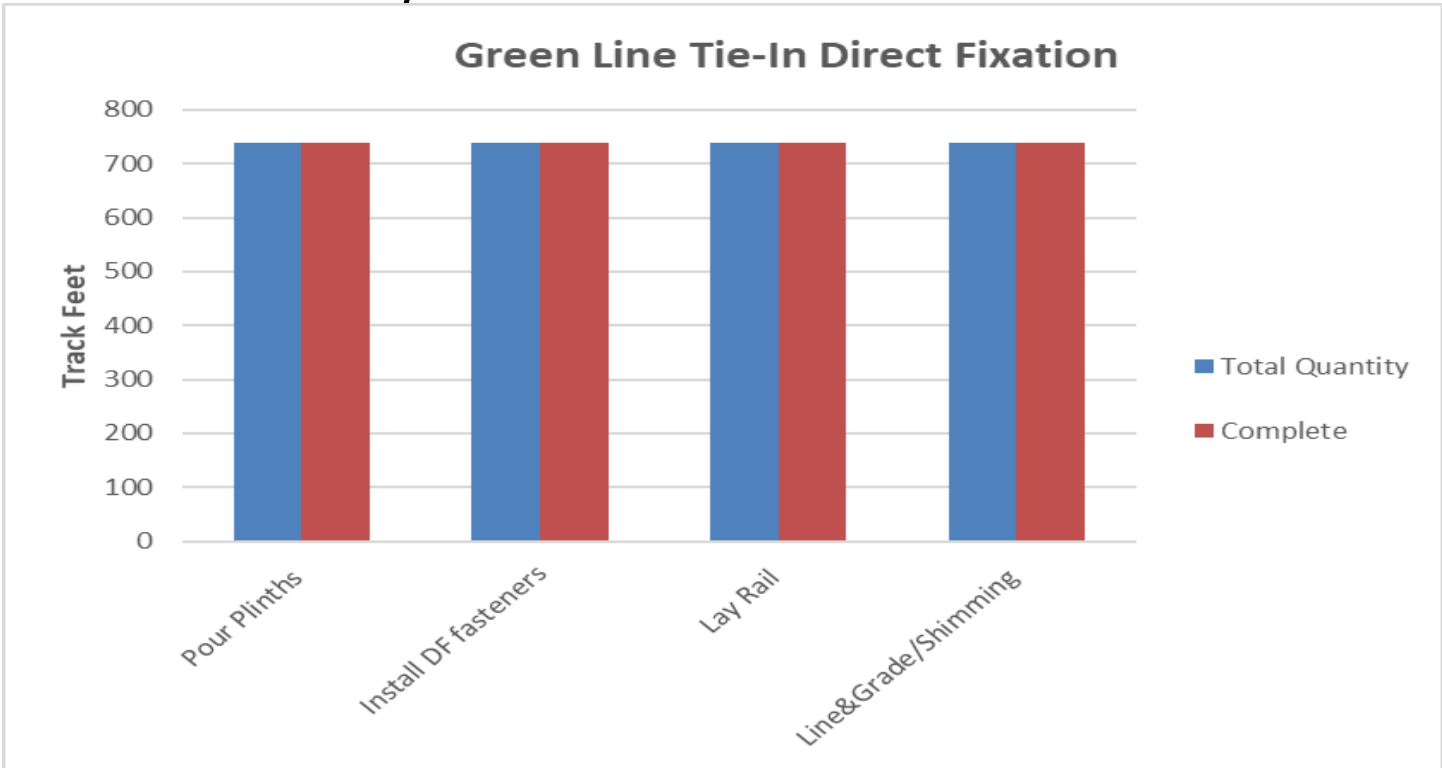


AVIATION/CENTURY- Welding on the fence gate at the SW corner of Aviation and Century.

# CRENSHAW/LAX PHOTOGRAPHIC UPDATE

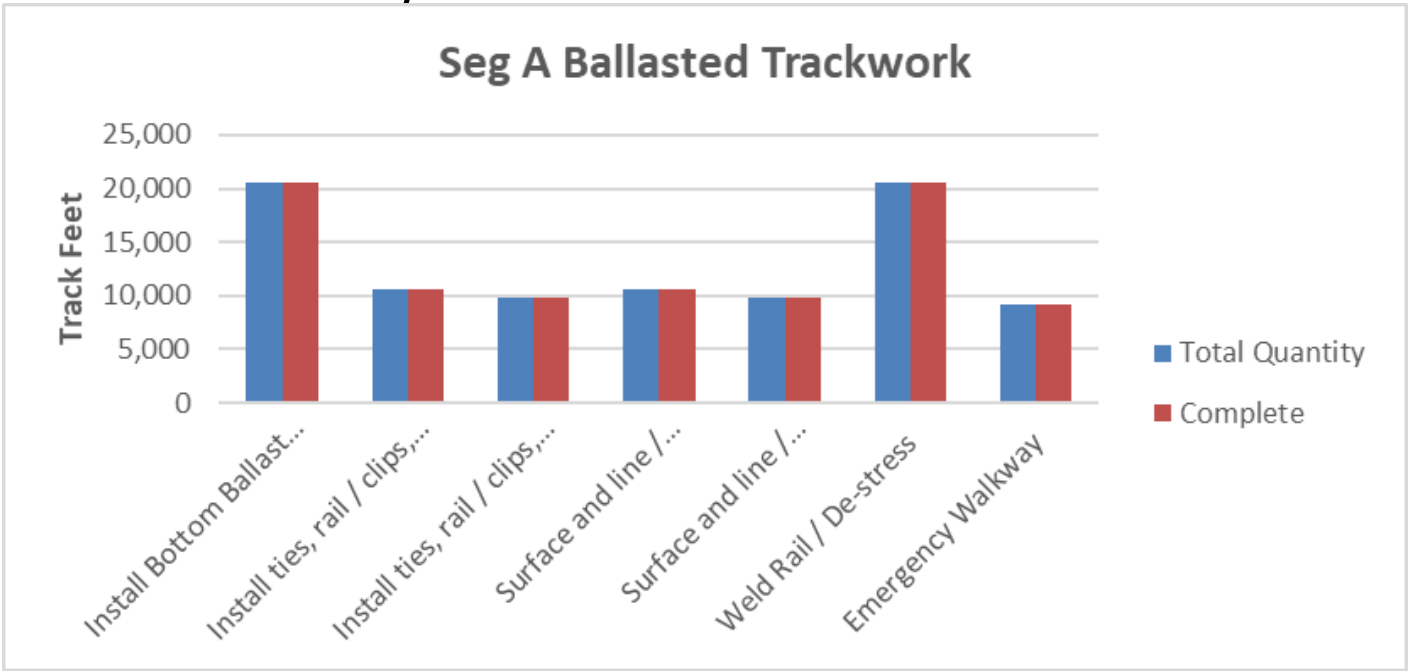
PROJECT WIDE TRACKWORK PROGRESS									
	TRACK TYPE	ACTIVITY	TRACK FEET/QUANTITY	INSTALLED TO DATE	REMAINING	ACTIVITY % PROGRESS	Potential Rework *	Punchlist ** (Complete/Incomplete)	
<b>GREENLINE TIE-IN</b>	<b>DIRECT FIXATION</b>	Pour Plinths	738	738	0	100.00%			
		Install DF fasteners	738	738	0	100.00%			
		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						
	<b>SPECIAL TRACKWORK</b>	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					
<b>SEGMENT A</b>	<b>DF (13,089 TF include 395 TF of K1/K2 XO)</b>	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						
	<b>BALLASTED TRACKWORK (20,551 TF including grade crossing, Yard Leads &amp; Tail Track)</b>	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					
	<b>SPECIAL TRACKWORK</b>	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						
<b>GRADE X-ING</b>	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

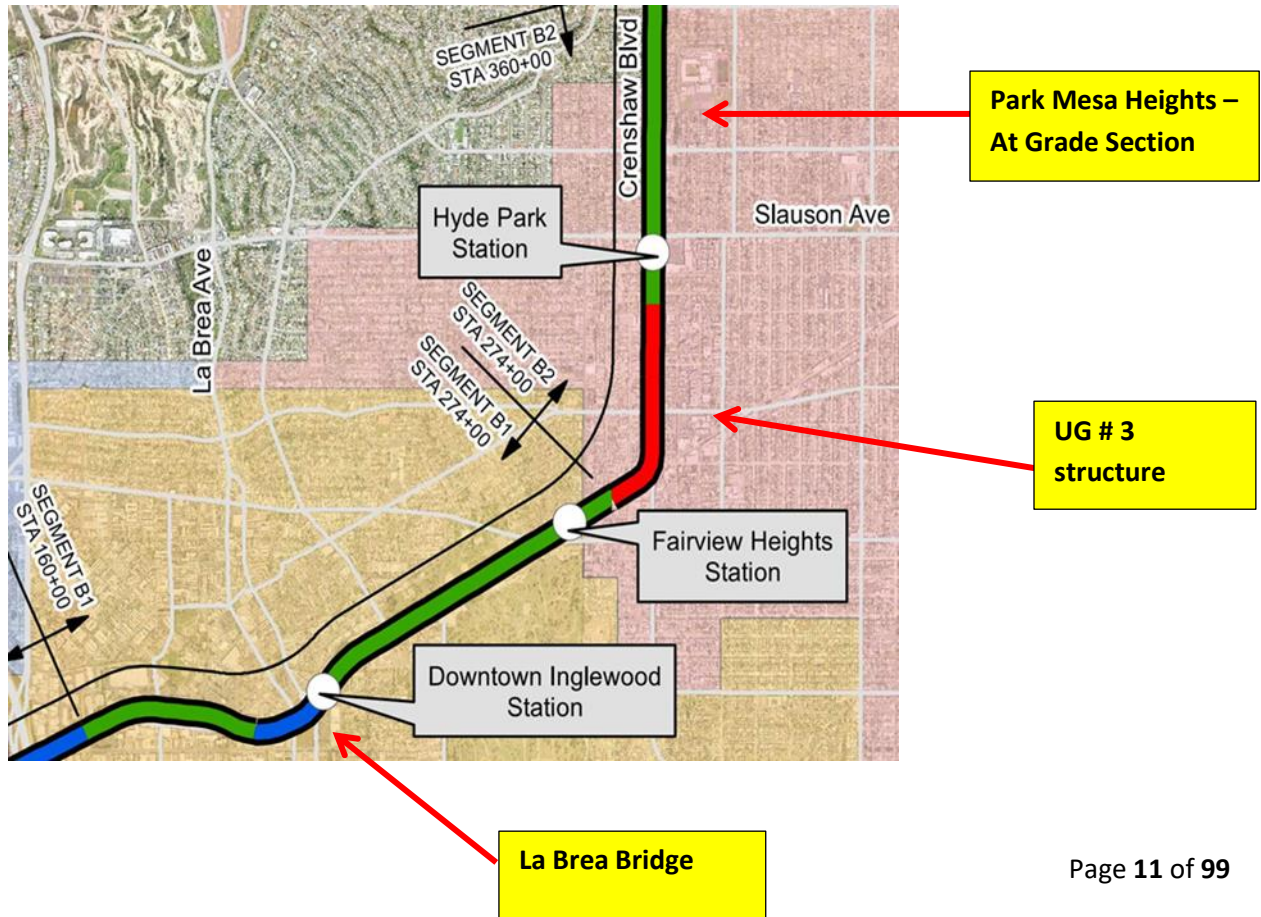




# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



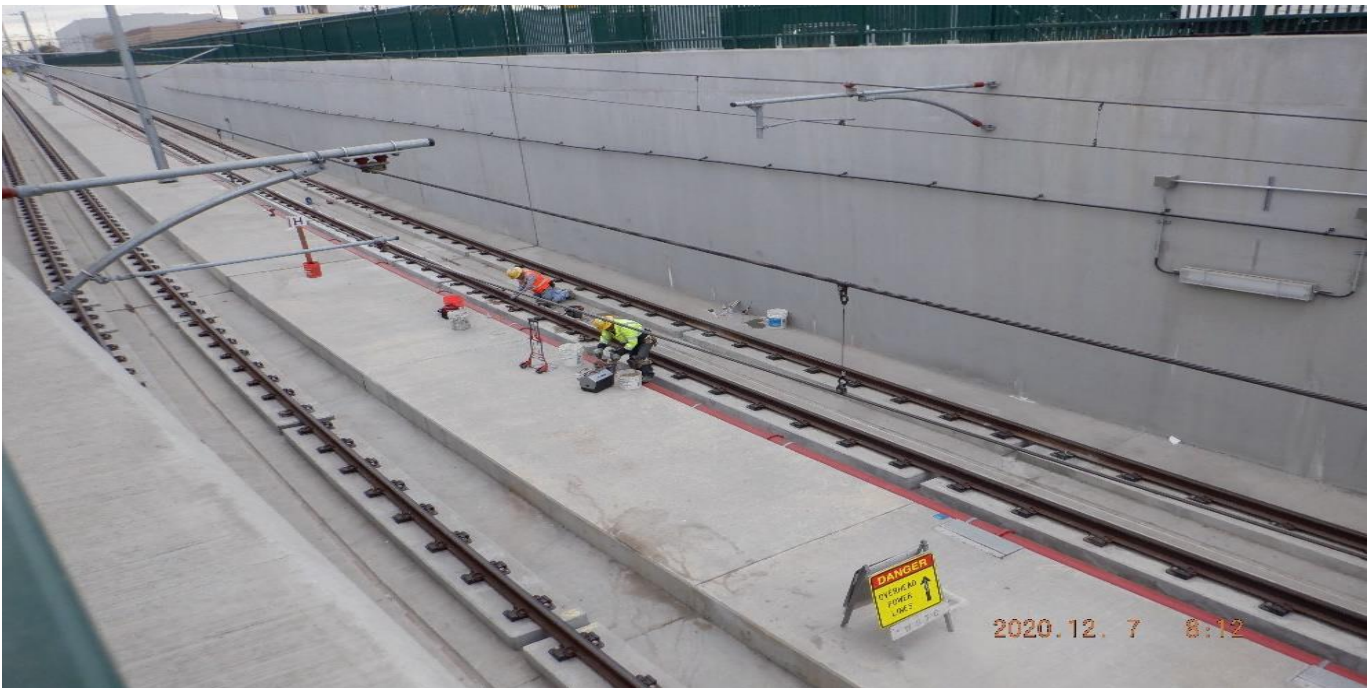
## Segment B



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



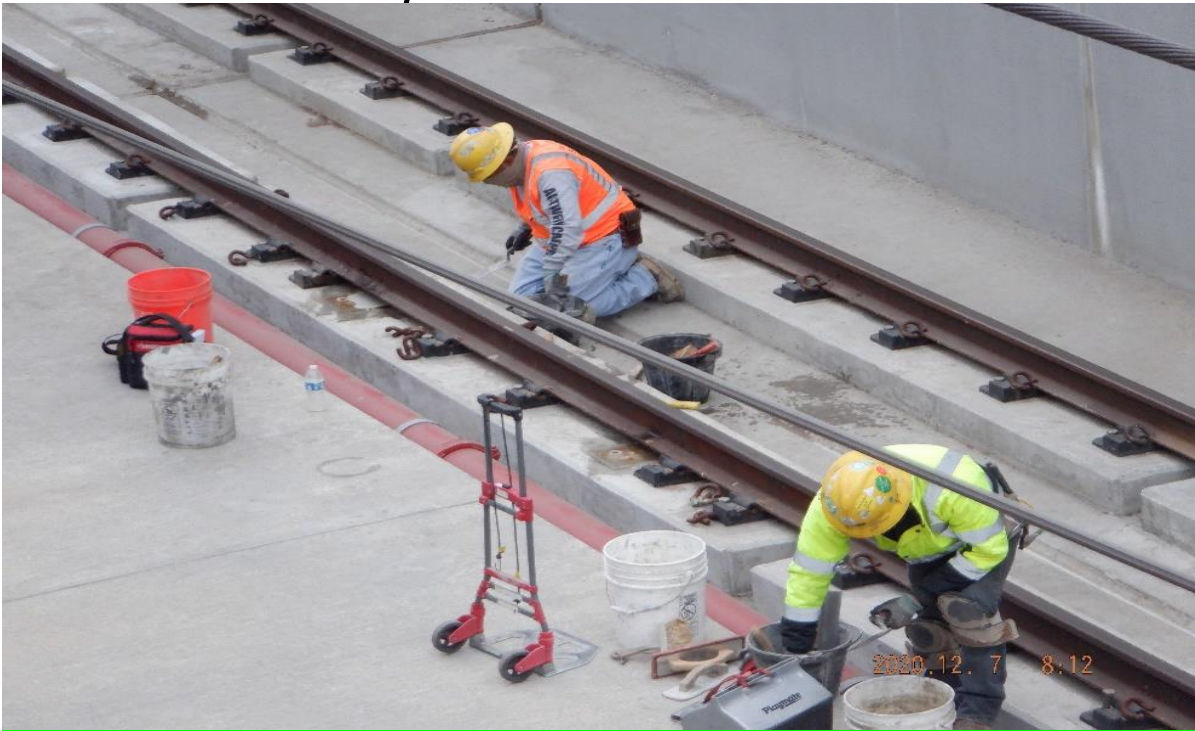
Hindry – Verifying cross levels at Hindry Station NB track STA 134+59 (looking north) Re-tamped by HCC



UG3 – STA 279+00 TK#3/SB looking south – top of plinth grout patching under DF UG3 (Victoria)



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – STA 279+00 TK#3/SB looking south – detail top of plinth grout patching under DF UG3 (Victoria)



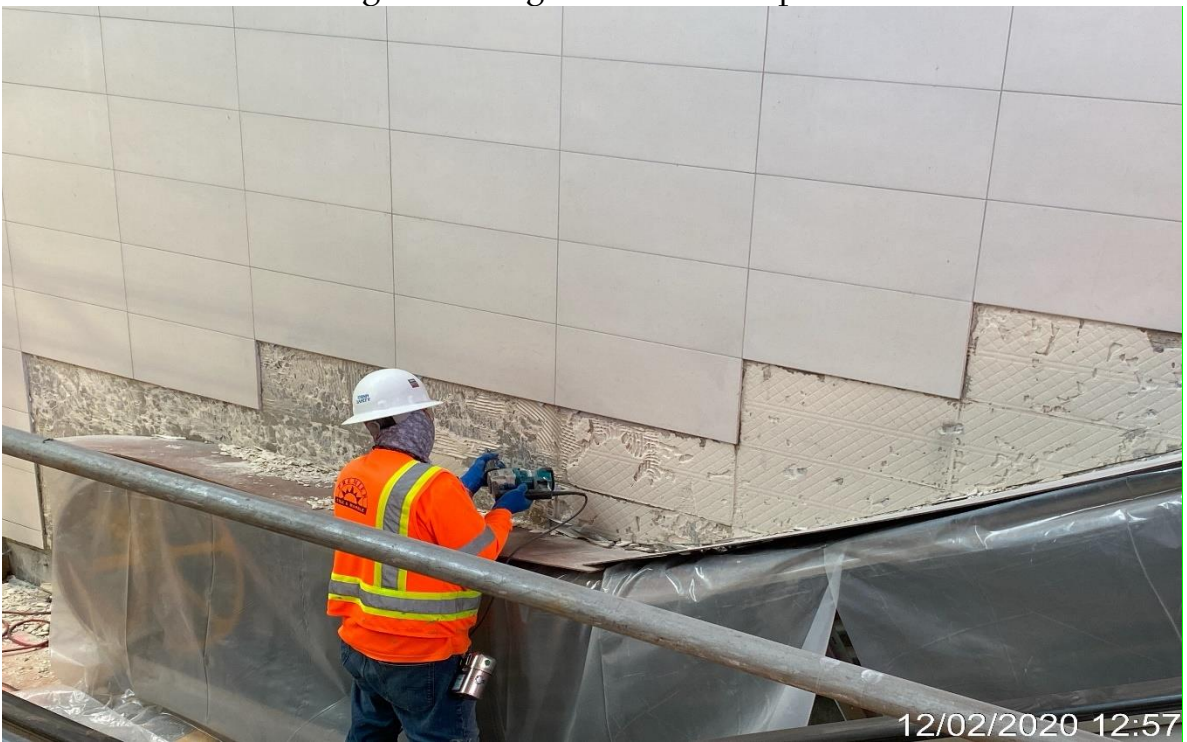
UG3 – Start-up crew running mechanical tests on booster fan.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – Giroux installing Elevator glass at Vernon plaza.



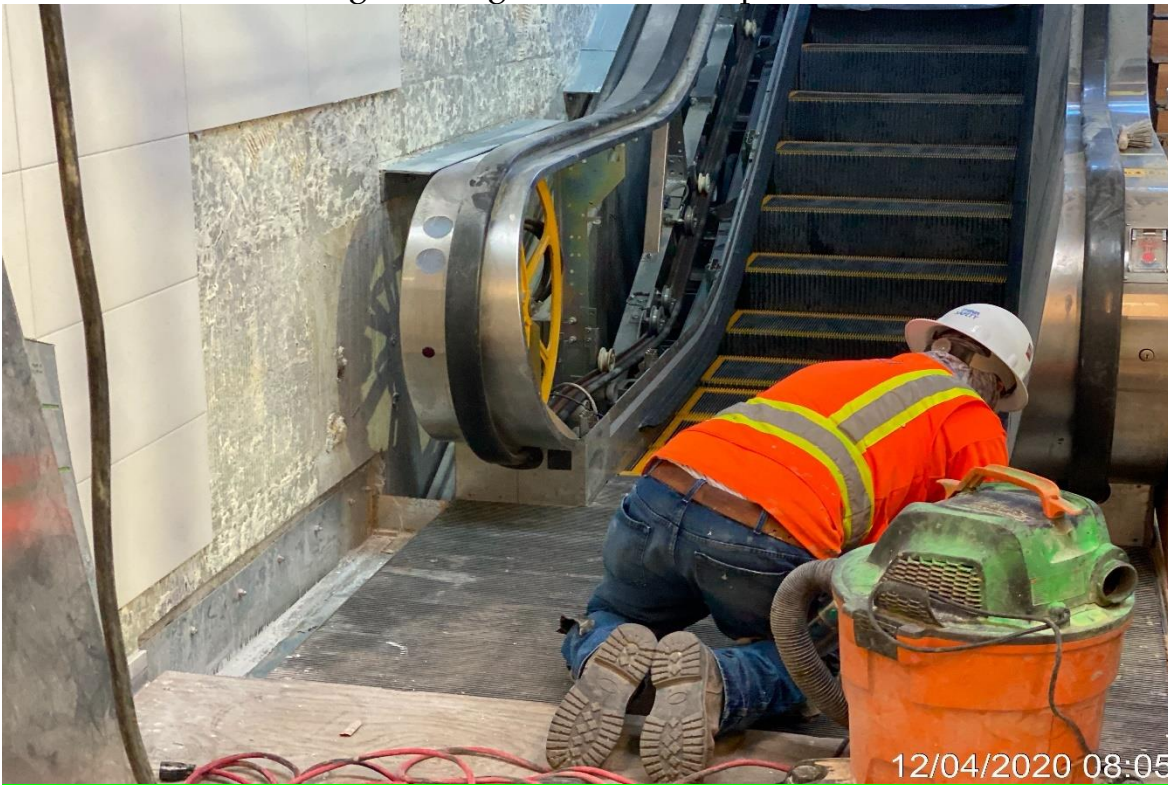
UG3 – Premier Tile and Marble replacing wall tile at Vernon.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – Giroux caulking the art glass at Vernon plaza.



UG3 – Premier cleaning up to leave Vernon station.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – WSCC working on roll up gate at Vernon plaza.



UG3 – Scaffolding being removed at entry portal of Vernon.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – Performing electrical work to the tunnel booster fans on the northbound tunnel.



UG3 – Performing pre-start up inspections to the tunnel booster fans on the southbound tunnel.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG3 – Performing mechanical testing to the tunnel booster fans on the southbound tunnel.



UG3 – Performing pre-start up inspections to the tunnel booster fans on the northbound tunnel.

# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Excavating/removing soil along the north portal fence of Victoria Auxiliary Site on eastbound 67th St in preparation for landscaping.



PARK MESA – Excavating/removing soil on eastbound New Road along the northbound barrier wall of UG3 in preparation for landscaping.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



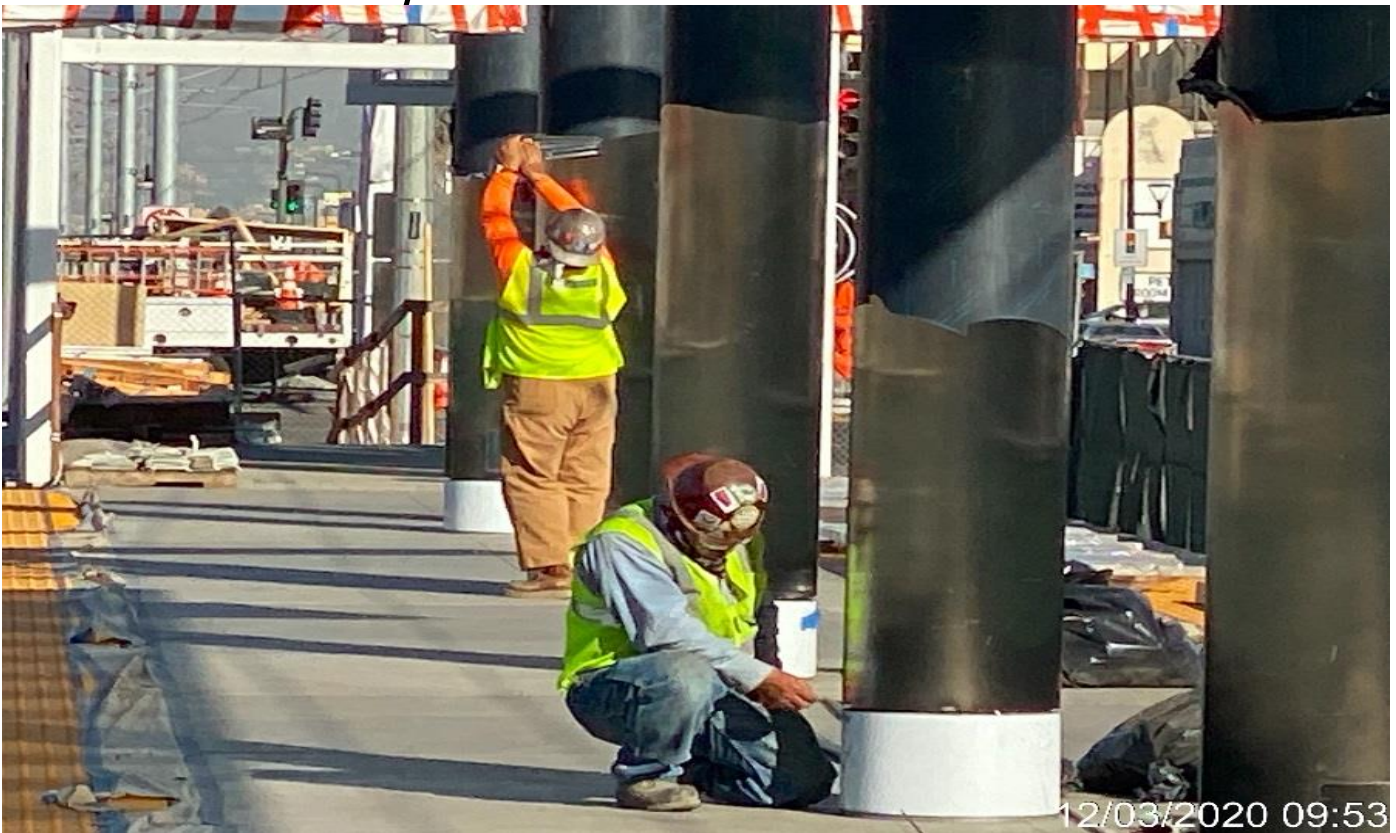
PARK MESA – Excavating/removing soil on eastbound New Road along the northbound barrier wall of UG3 in preparation for landscaping.



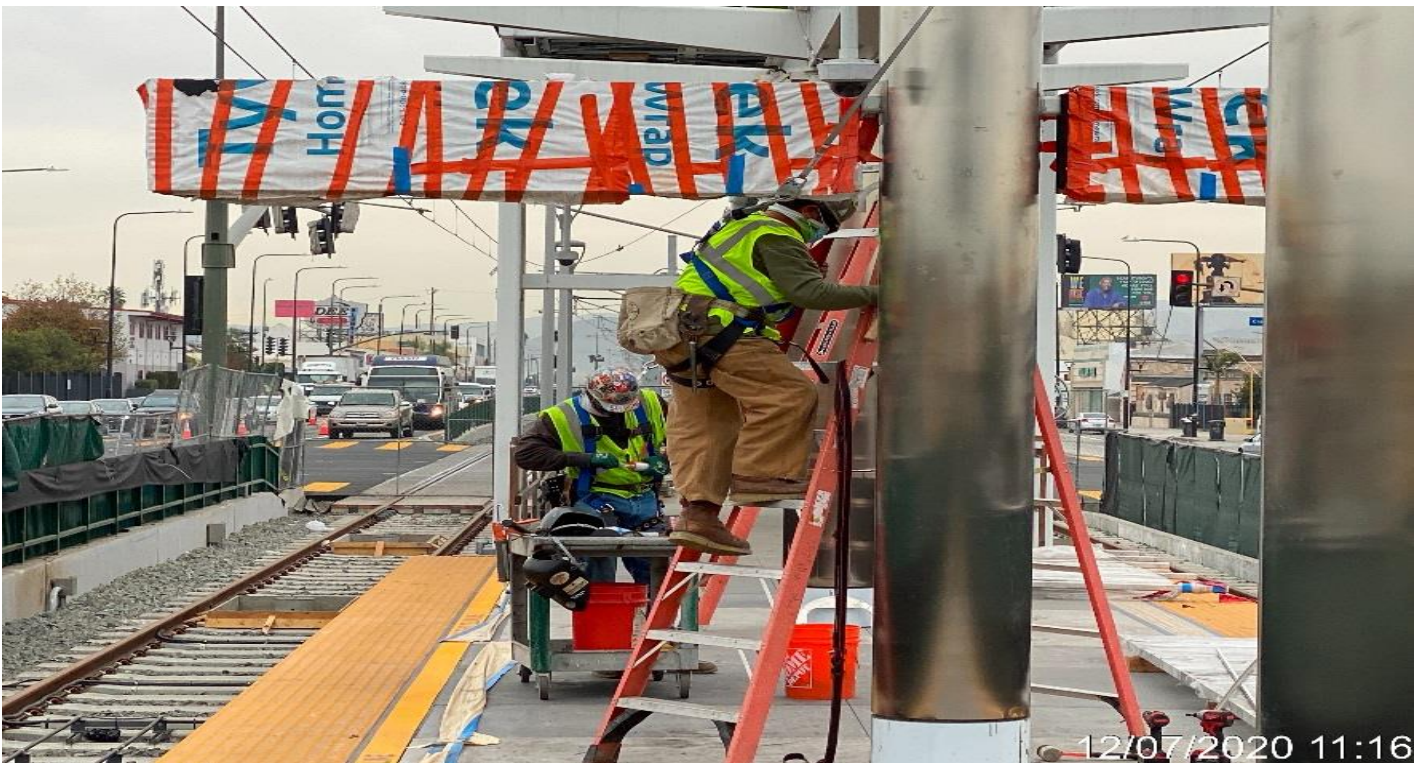
PARK MESA – Installing irrigation pipe line along the northbound median curb of Crenshaw Blvd starting on Slauson Ave and moving toward 57th St.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Resume column cladding installation at the platform.



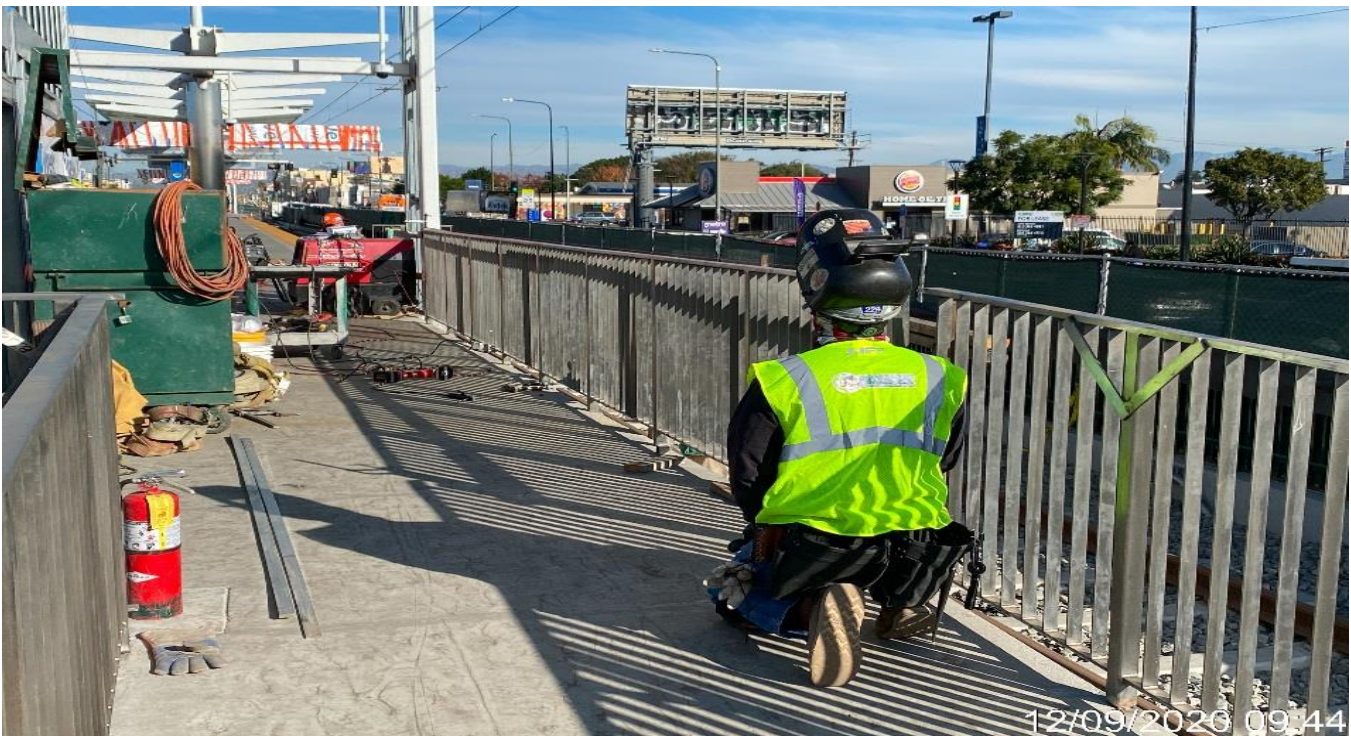
PARK MESA – Continue column cladding installation at the platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Installing guardrails along the southbound side of the south end entrance ramp.



PARK MESA – Continue installing guardrails along the north and southbound side of the south end entrance ramp.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – STA 339+19 TK#4/NB looking west – AC in the crossing panel flangeway after road improvement work on Crenshaw Blvd with 54th St



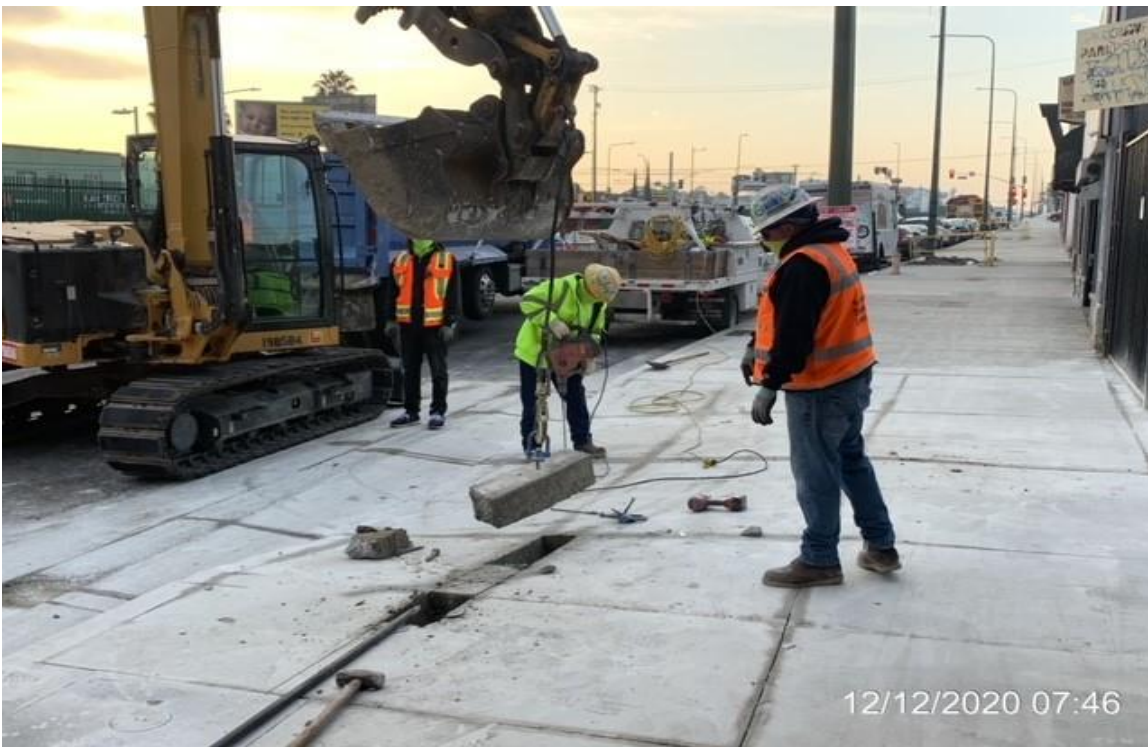
PARK MESA – STA 339+70 TK#4/NB looking west – traffic loop detector slab PCC pour – north of 54th St at grade Xing.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



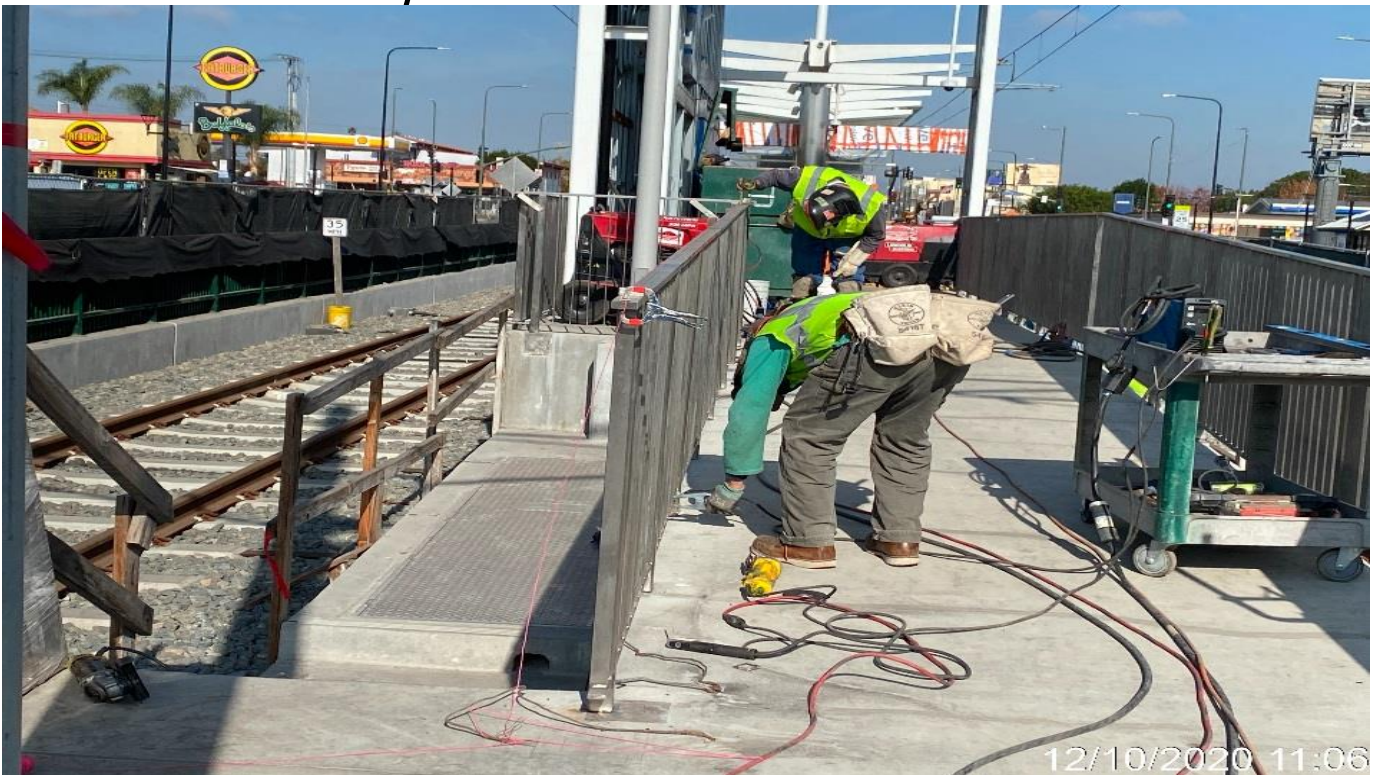
PARK MESA – STA 339+40 TK#4,NB looking north – site north of 54th St at grade Xing – traffic loop detector slab forms between rails ready to receive PCC



PARK MESA – Crenshaw / 48th St. – WSCC crew demoing driveway



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



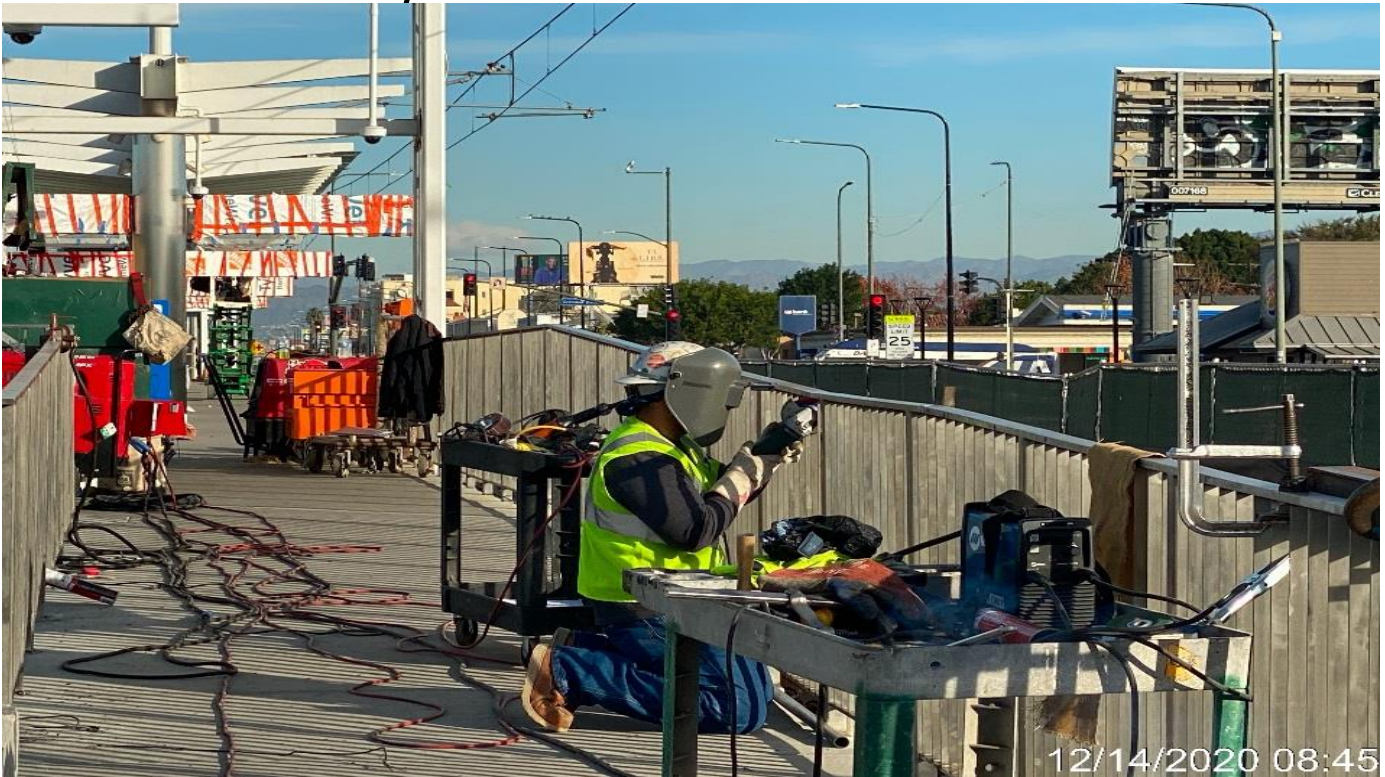
PARK MESA – Continue installing guardrails along the north and southbound side of the south end entrance ramp.



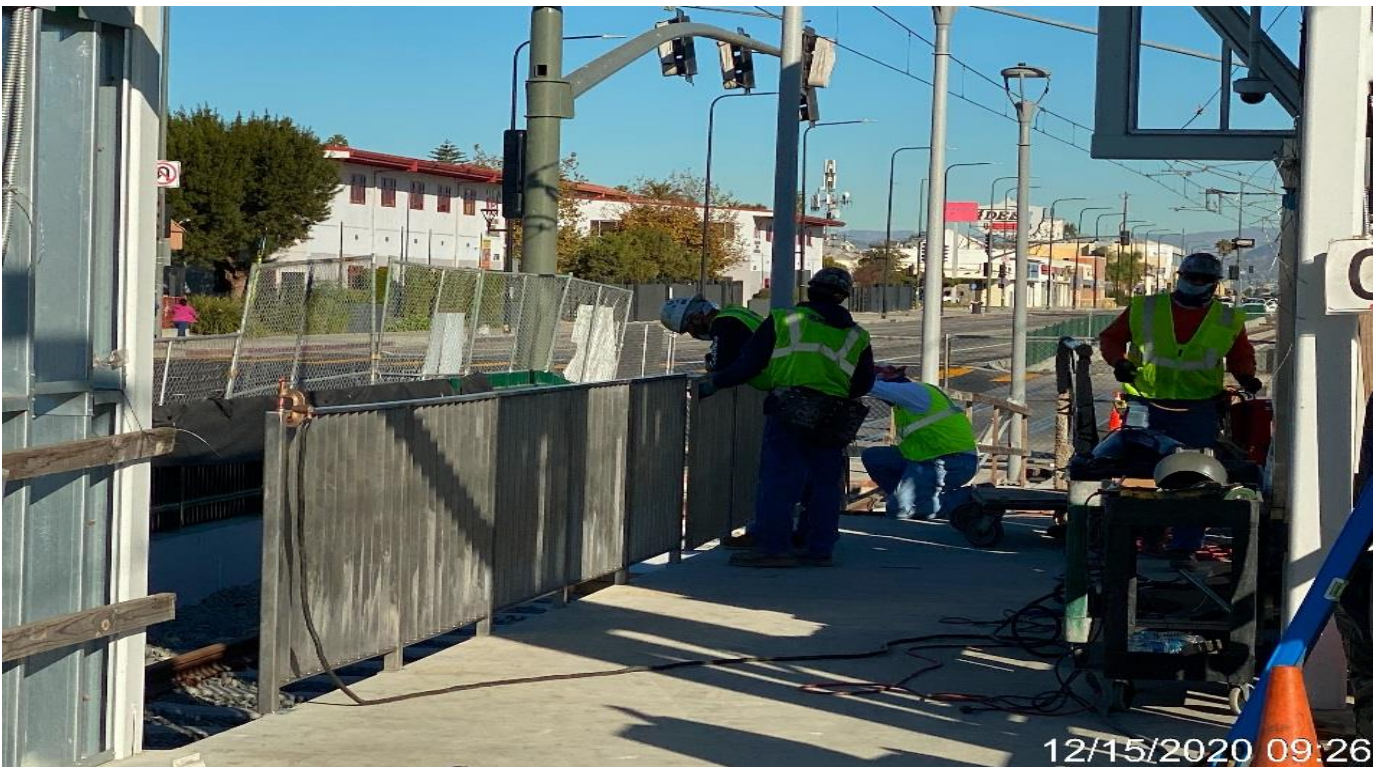
PARK MESA – Continue installing guardrails along the north and southbound side of the south end entrance ramp.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Installing guardrails along the north and southbound side of the north end entrance ramp.



PARK MESA – Installing guardrails along the north and southbound side of the north end entrance ramp.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Continue installing guardrails along the north and southbound side of the north end entrance ramp.



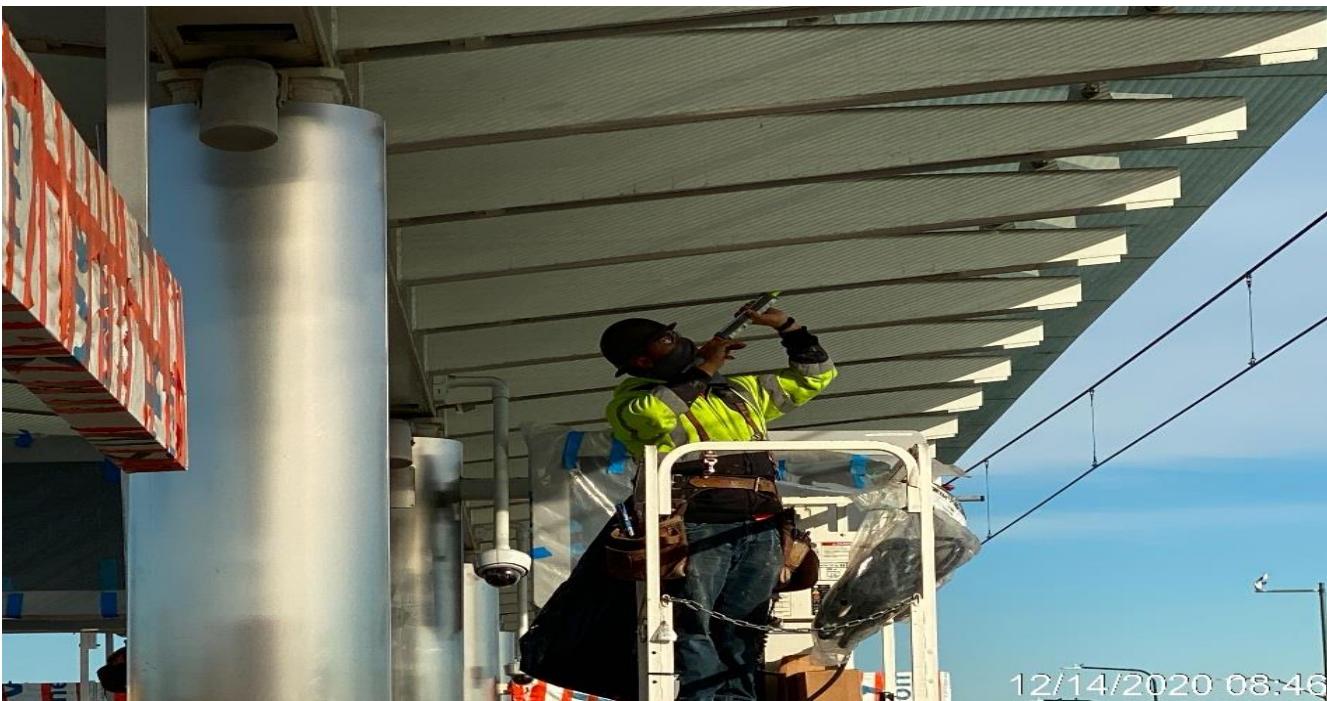
PARK MESA – Continue installing guardrails along the north and southbound side of the north end entrance ramp.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Caulking and sealing BOCA light fixtures to the north end canopy outriggers at the platform.



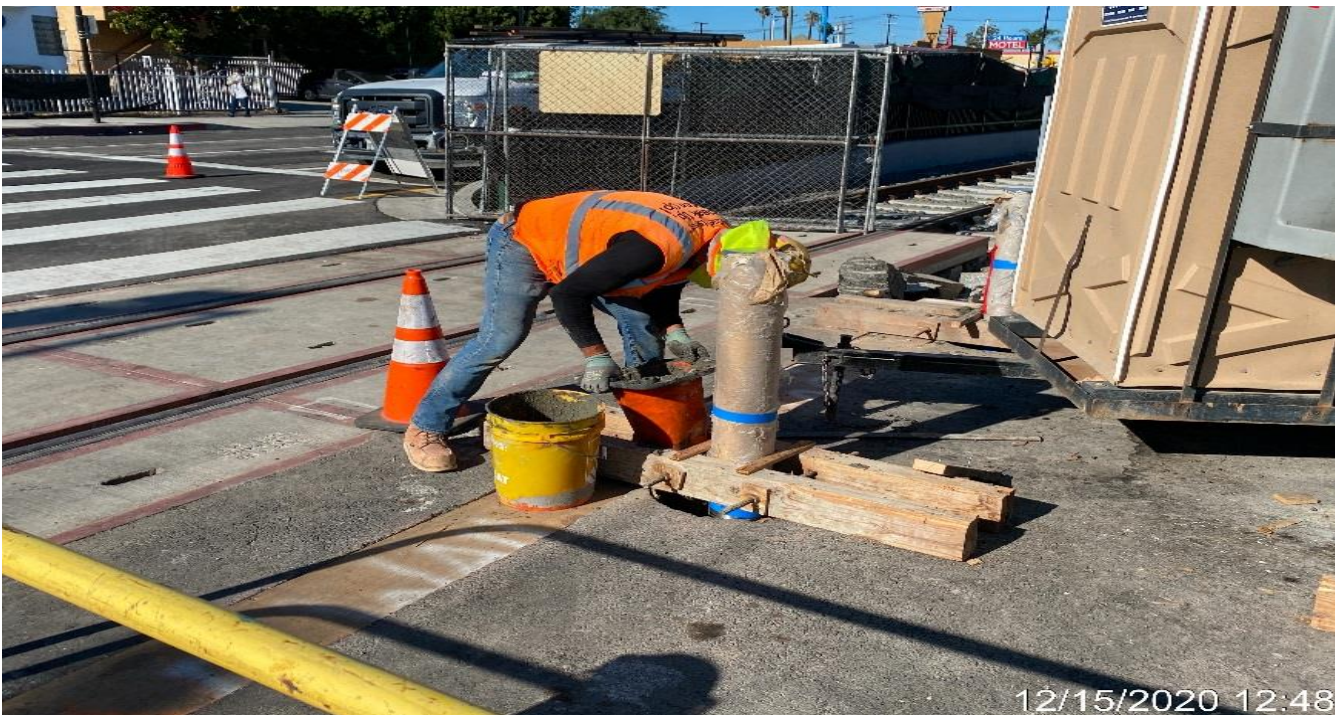
PARK MESA – Caulking and sealing BOCA light fixtures to the center canopy outriggers at the platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Coring pavement in preparation of steel bollard installation on the crosswalk at Slauson Ave and Crenshaw Blvd.



PARK MESA – Placing concrete for stainless steel bollard foundations on the crosswalk at 59th St and Crenshaw Blvd.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Installing steel grates to Catch Basin #13 on southbound Crenshaw Blvd and Slauson Ave.



PARK MESA – Installing irrigation pipe line along the northbound median curb of Crenshaw Blvd on 57th St and moving toward 54th St.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Placing cobble mortar base to the southbound median curb of Crenshaw Blvd from 57th St to 54th St.



PARK MESA – Placing cobble mortar base to the southbound median curb of Crenshaw Blvd and 52nd St.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Placing cobble mortar base to the southbound median curb of Crenshaw Blvd and 52nd St.



PARK MESA – Installing irrigation pipe line along the northbound median curb of Crenshaw Blvd and 48th St.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Placing concrete over existing overhead sign foundation on northbound Crenshaw Blvd and 48th St.



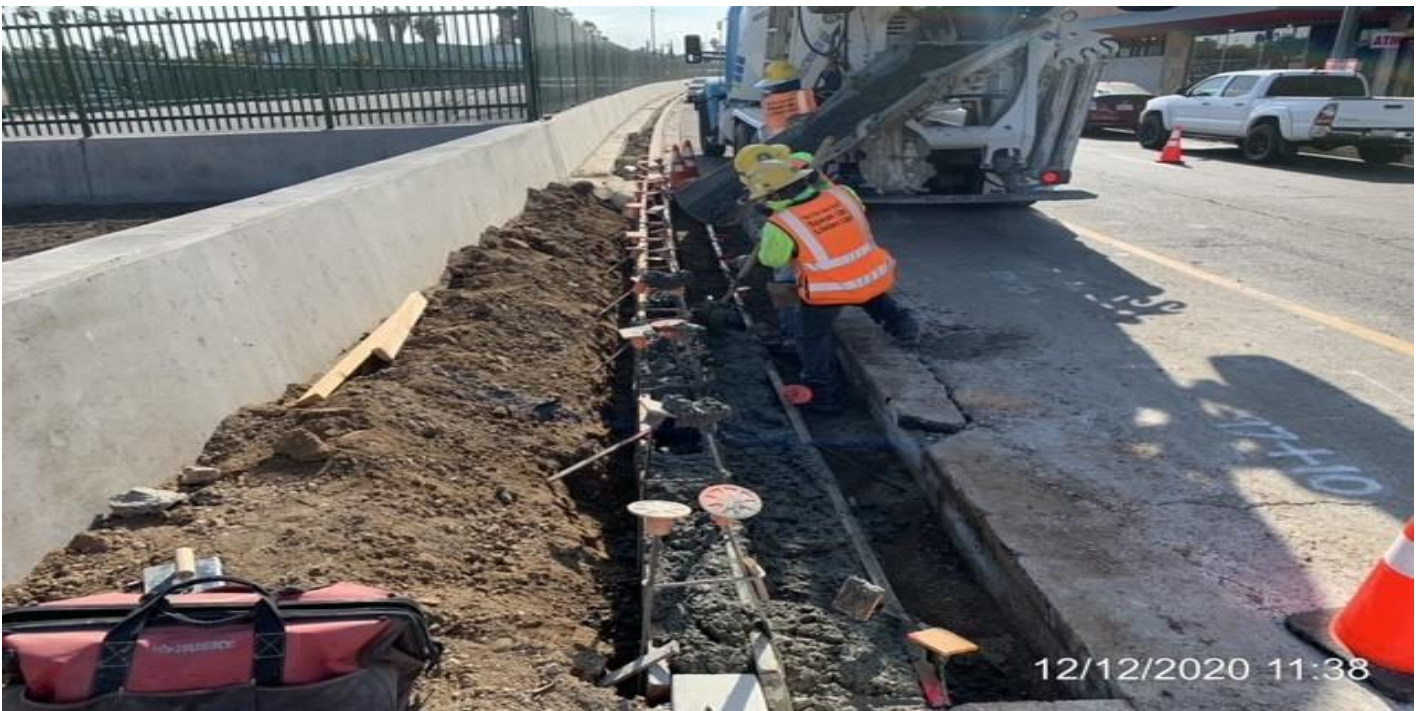
PARK MESA – Installing steel grates to Catch Basin #36 on the southwest corner of Crenshaw Blvd and 48th St.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Installing steel grates to Catch Basin #29 and #37 on eastbound 48th St and Crenshaw Blvd.



PARK MESA – Built formwork and placing concrete for the southbound median curb and gutter on Crenshaw Blvd from 48th St and Brynhurst Ave.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



PARK MESA – Grinding in preparation for placement of asphalt concrete along northbound Crenshaw Blvd starting from 48th St and moving toward Homeland Dr.

## **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.



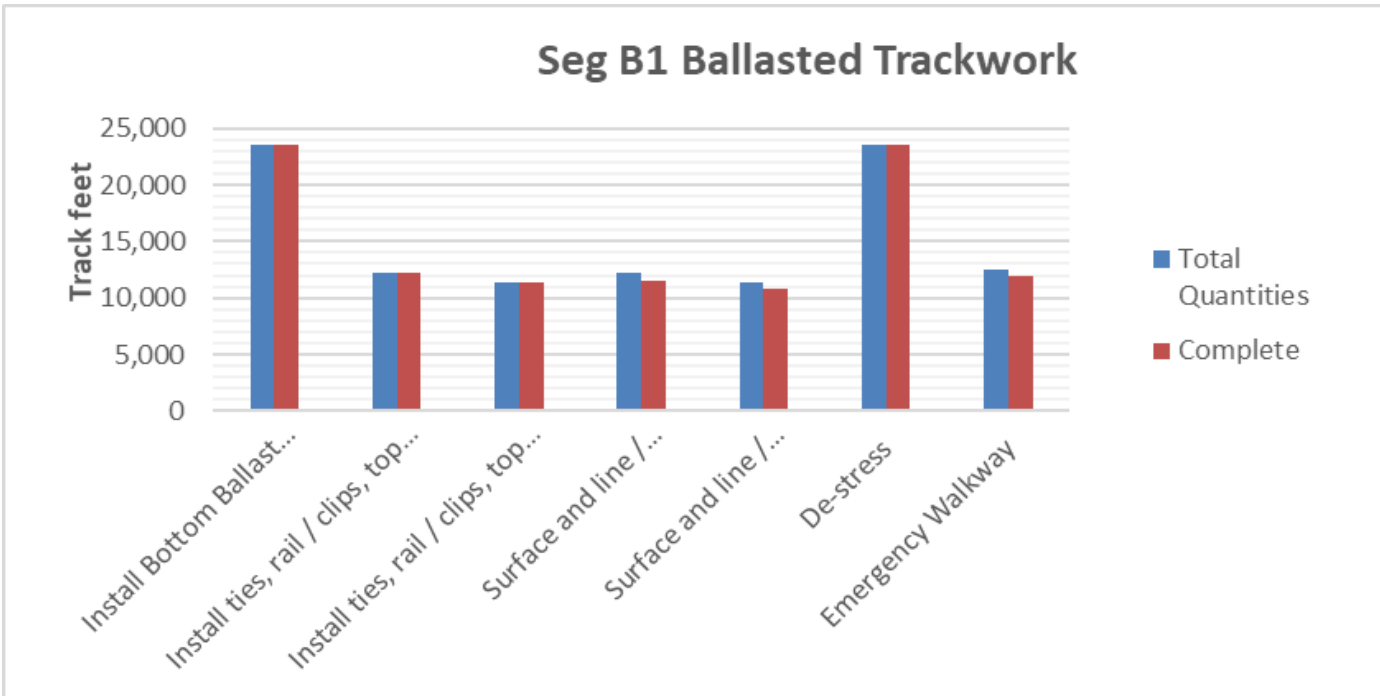
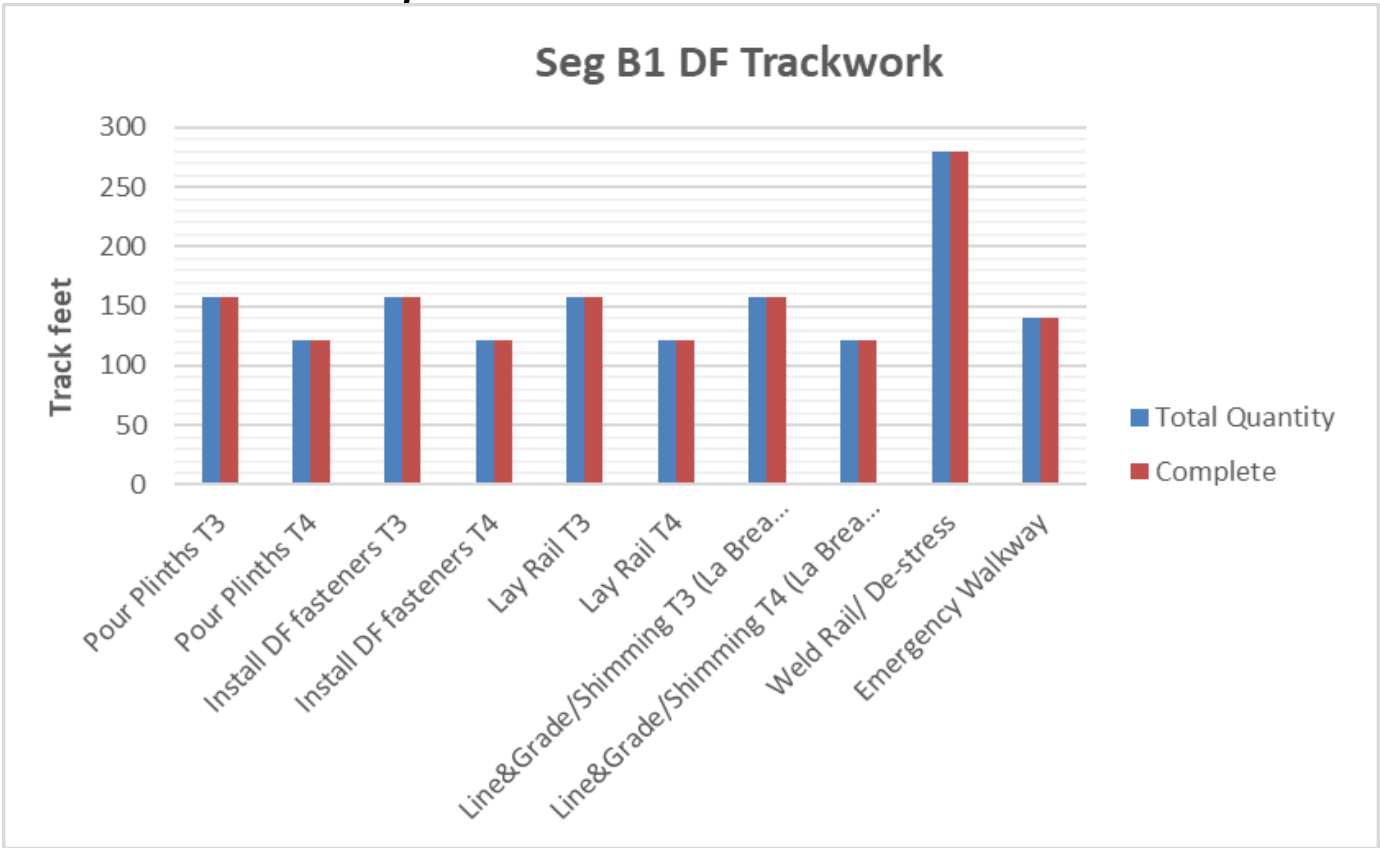
# CRENSHAW/LAX PHOTOGRAPHIC UPDATE

## PROJECT WIDE TRACKWORK PROGRESS

	TRACK TYPE	ACTIVITY	TRACK FEET/QUANTITY	INSTALLED TO DATE	REMAINING	ACTIVITY % PROGRESS	Potential Rework *	Punchlist ** (Complete/Incomplete)	
<b>SEGMENT B1</b>	<b>DF (279 TF)</b>	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						
	<b>BALLASTED TRACKWORK (23,506 TF including grade crossings and Siding track)</b>	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				
	<b>SPECIAL TRACKWORK</b>	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						
	<b>GRADE X-ING</b>	Construct Crossing (Oak/Cedar/Eucalyptus/Ivy/Centinea, 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



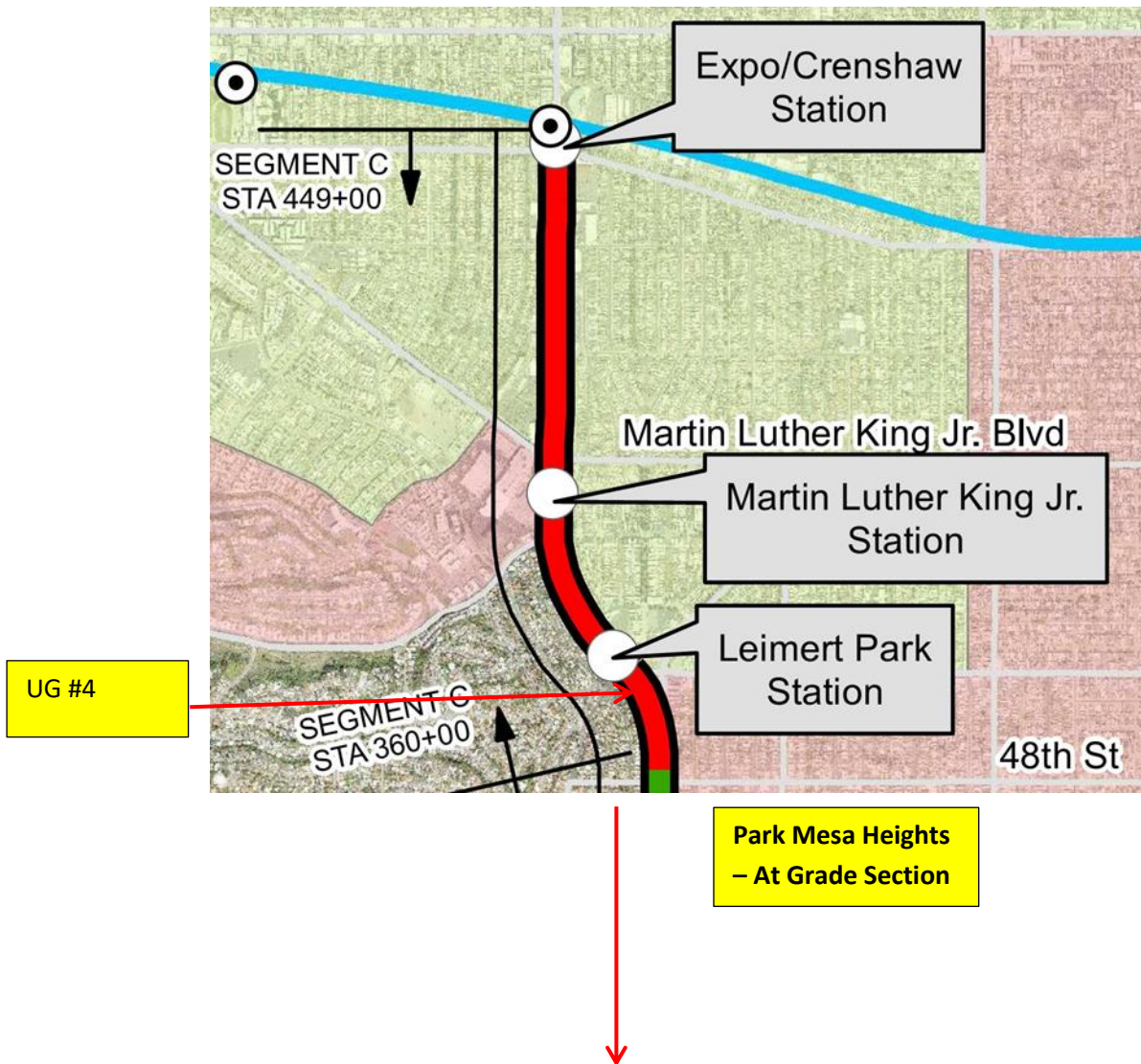


# CRENSHAW/LAX PHOTOGRAPHIC UPDATE

## 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 plinths continues in UG3 due to failed insert pull tests.

## Segment C



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG4 – Metro's QA Track Inspector on SB track in UG4 verifying correct survey spiral locations for SB-34 curve (looking north)



UG4 – WSCC field engineer logging non-conformance issues in UG4 NB track STA 401+55 (looking southwest).



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



UG4 – STA 364+00 TK#4/NB – shim material delivered in UG4 does not look to be galvanized steel nor stainless steel (left & right pile)



UG4 – STA 365+20 TK#3/SB looking north – shimming curve SB-33 of UG4 south portal.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Placed concrete over sidewalk on northbound Crenshaw Blvd between Vernon Ave and 43rd Pl.



LEIMERT PARK STATION – Excavating/grading the entire sidewalk on southbound Crenshaw Blvd between Vernon Ave and Homeland Dr..



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Continue excavating/grading the entire sidewalk on southbound Crenshaw Blvd between Vernon Ave and Homeland Dr.



LEIMERT PARK STATION – Placing formwork for entire sidewalk on southbound Crenshaw Blvd between Vernon Ave and Homeland Dr.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Backfilling and compacting the entire sidewalk on southbound Crenshaw Blvd between Vernon Ave and Homeland Dr.



LEIMERT PARK STATION – Continue backfilling and compacting the entire sidewalk on southbound Crenshaw Blvd between Vernon Ave and Homeland Dr.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Installing PVC pipes to the culvert drainage on the northwest corner of Crenshaw Blvd and Vernon Ave.



LEIMERT PARK STATION – Placing concrete for the entire sidewalk on southbound Crenshaw Blvd between 43rd Pl and Homeland Dr.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Placing concrete for the entire sidewalk on southbound Crenshaw Blvd between 43rd Pl and Vernon Ave.



LEIMERT PARK STATION – Placing concrete for street light foundation on the southeast corner of Crenshaw Blvd and 43rd Pl.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Placing asphalt concrete along northbound Crenshaw Blvd starting from Vernon Ave and ending at Homeland Dr



LEIMERT PARK STATION – Placing markings and lane striping along north and southbound Crenshaw Blvd from 48th St and ending at 43rd Pl.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Installing glass panels to the canopy outriggers of Elevators 1&2 at the plaza.



LEIMERT PARK STATION – Caulking and sealing the art glass around the main entrance canopy at the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Performing electrical work to the main entrance roll-up gate at the plaza.



LEIMERT PARK STATION – Continue performing electrical work to the main entrance roll-up gate at the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Continue performing electrical work to the main entrance roll-up gate at the plaza.



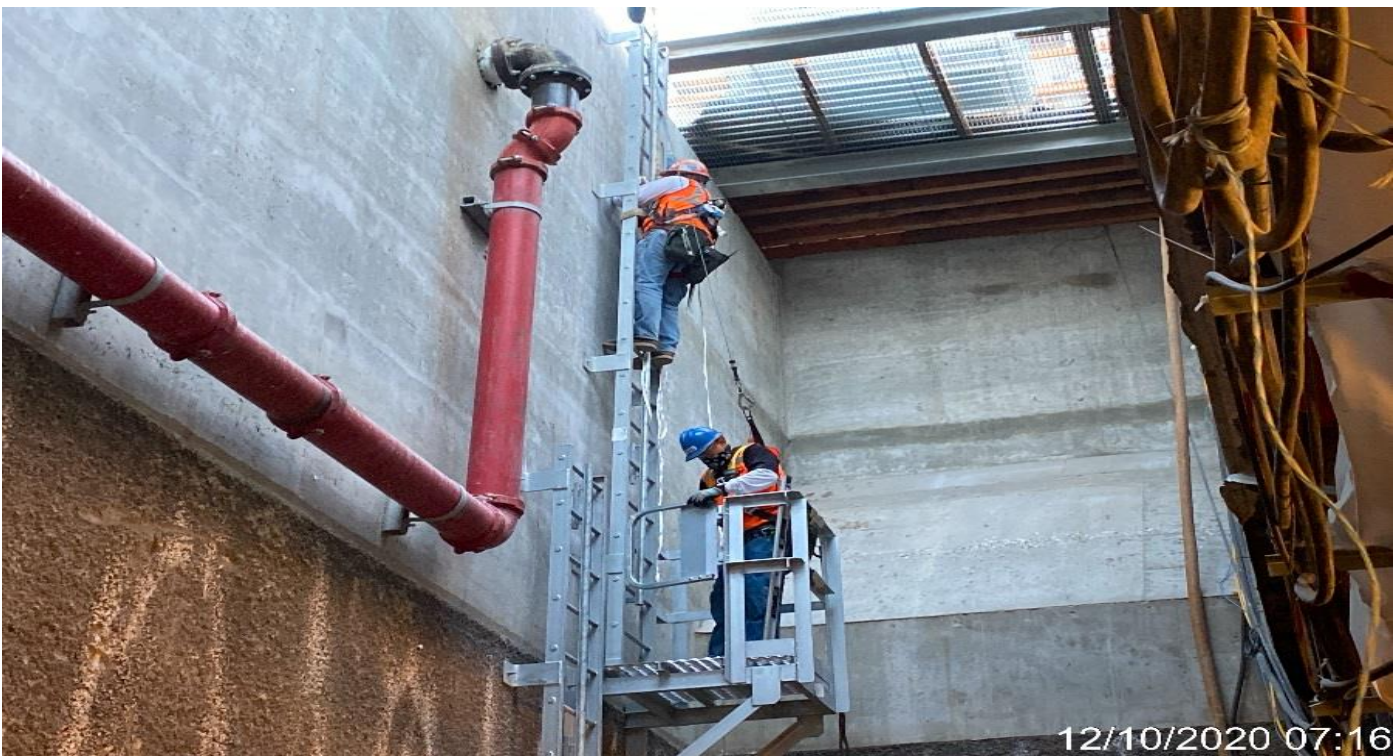
LEIMERT PARK STATION – Preparing to install ladder inside the Emergency Ventilation Shaft North at the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



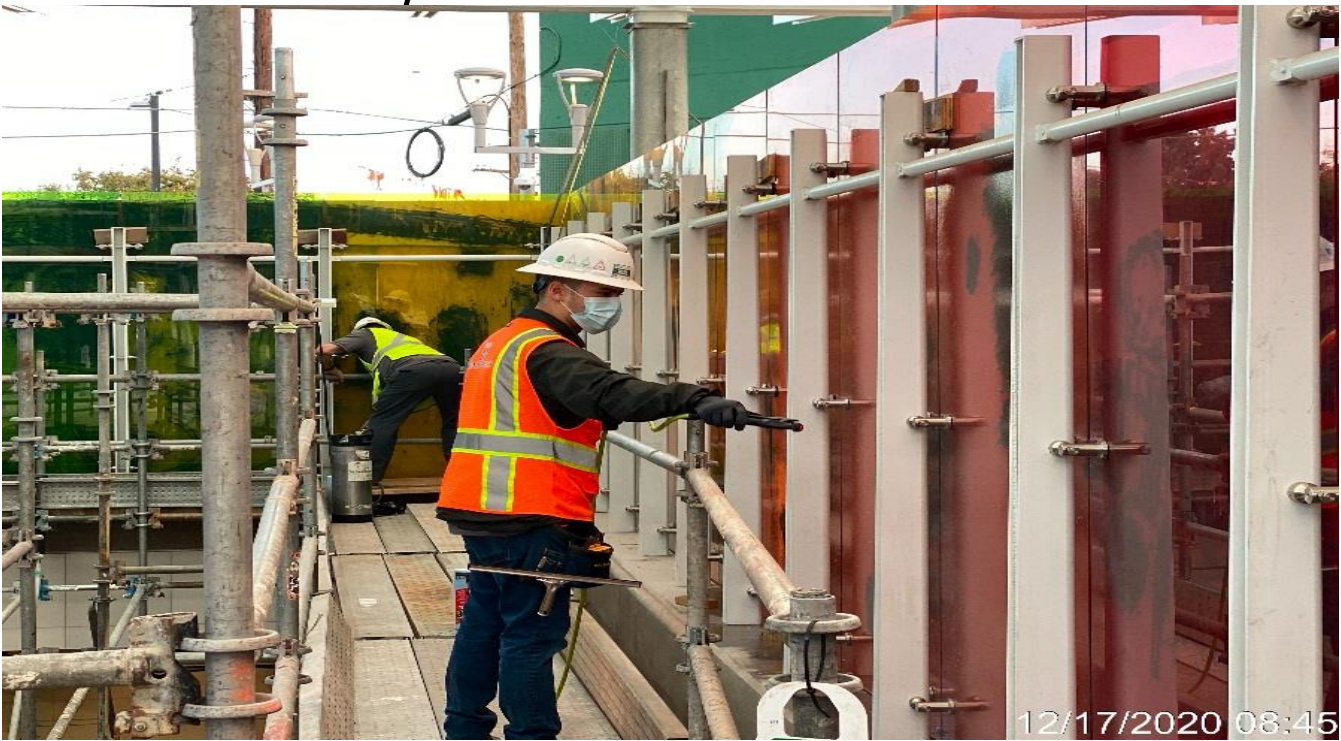
LEIMERT PARK STATION – Installing ladder inside the Emergency Ventilation Shaft North at the plaza.



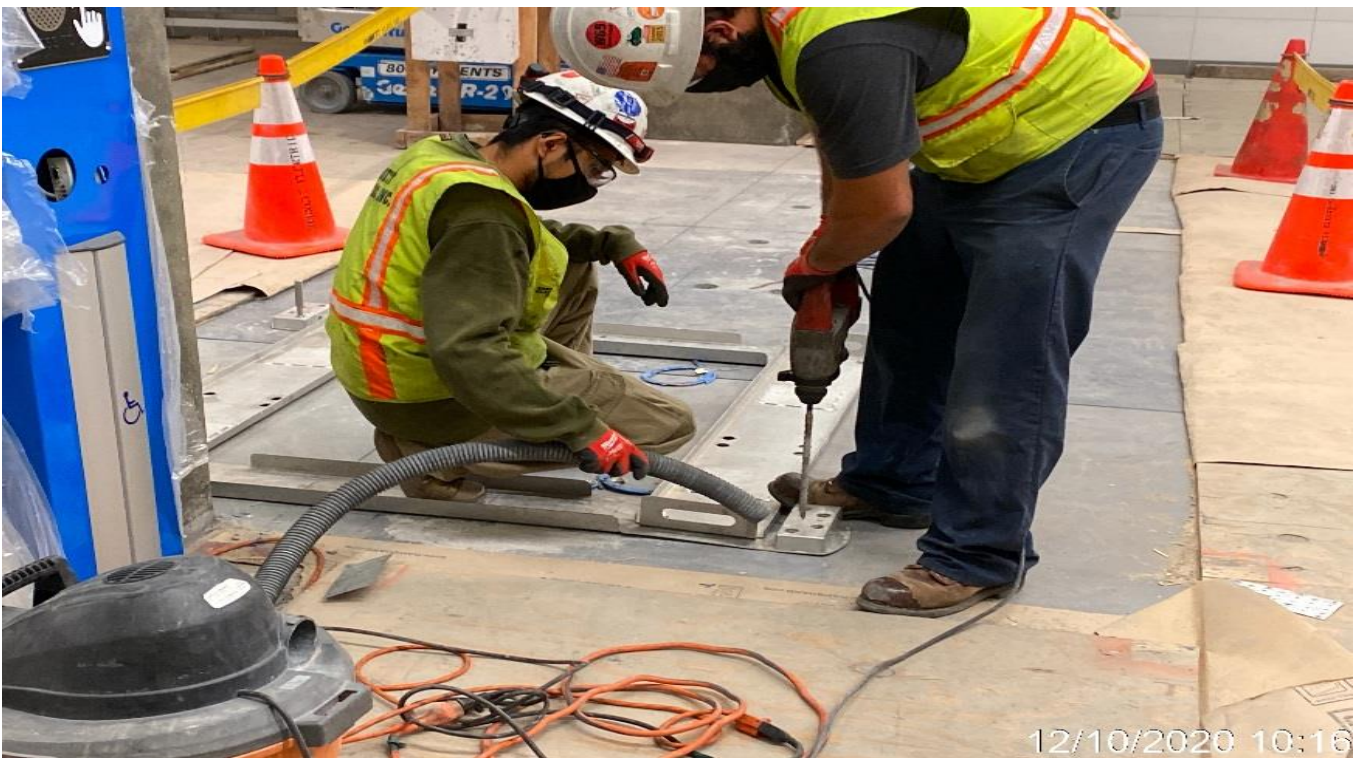
LEIMERT PARK STATION – Continue installing ladder inside the Emergency Ventilation Shaft North at the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Applying anti-graffiti coat to art glass panels around the main entrance canopy at the plaza.



LEIMERT PARK STATION – Performing layout and coring for the fare gate turnstile installation at the concourse Paid Area C-146.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Performing electrical work in preparation for the fare gate turnstile installation at the concourse Paid Area C-146.



LEIMERT PARK STATION – Performing electrical work in preparation for the fare gate turnstile installation at the concourse Paid Area C-146.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



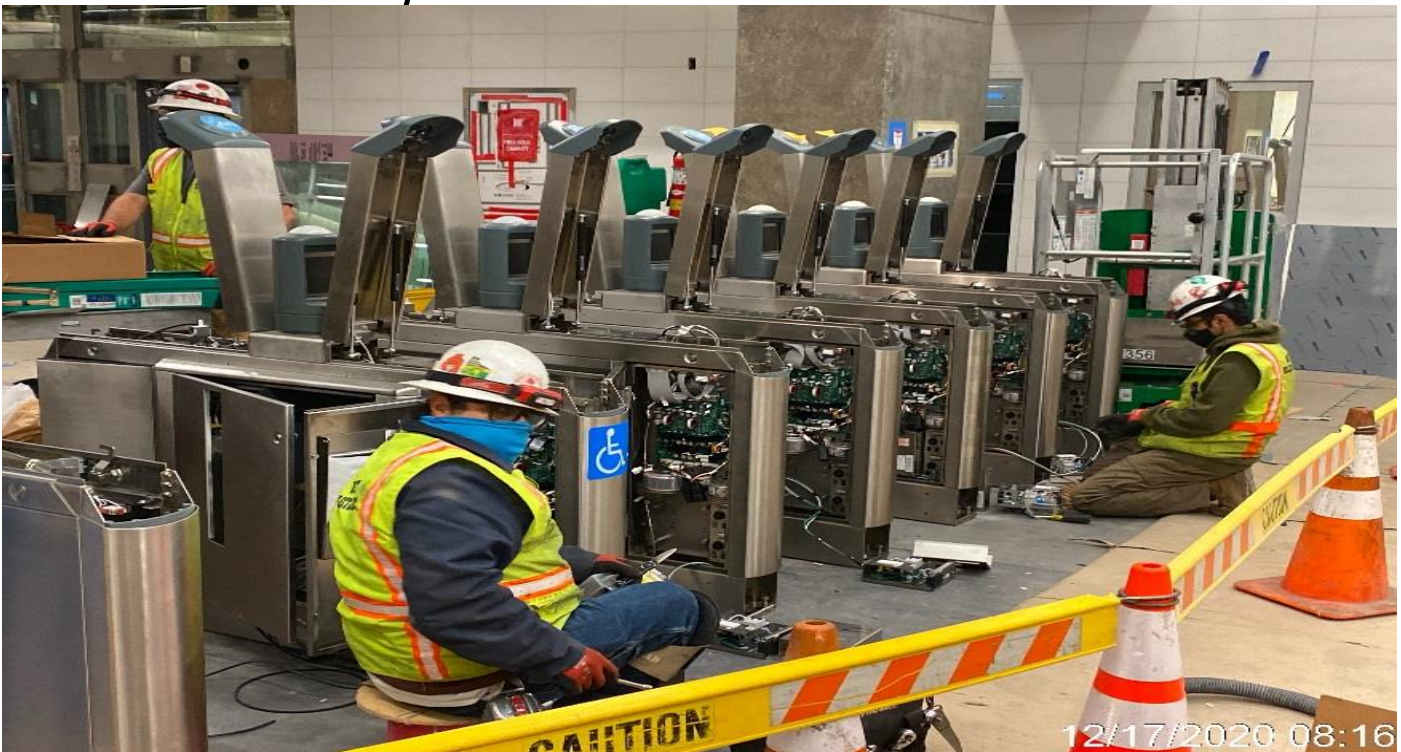
LEIMERT PARK STATION – Installing fare gate turnstiles at the concourse Paid Area C-146.



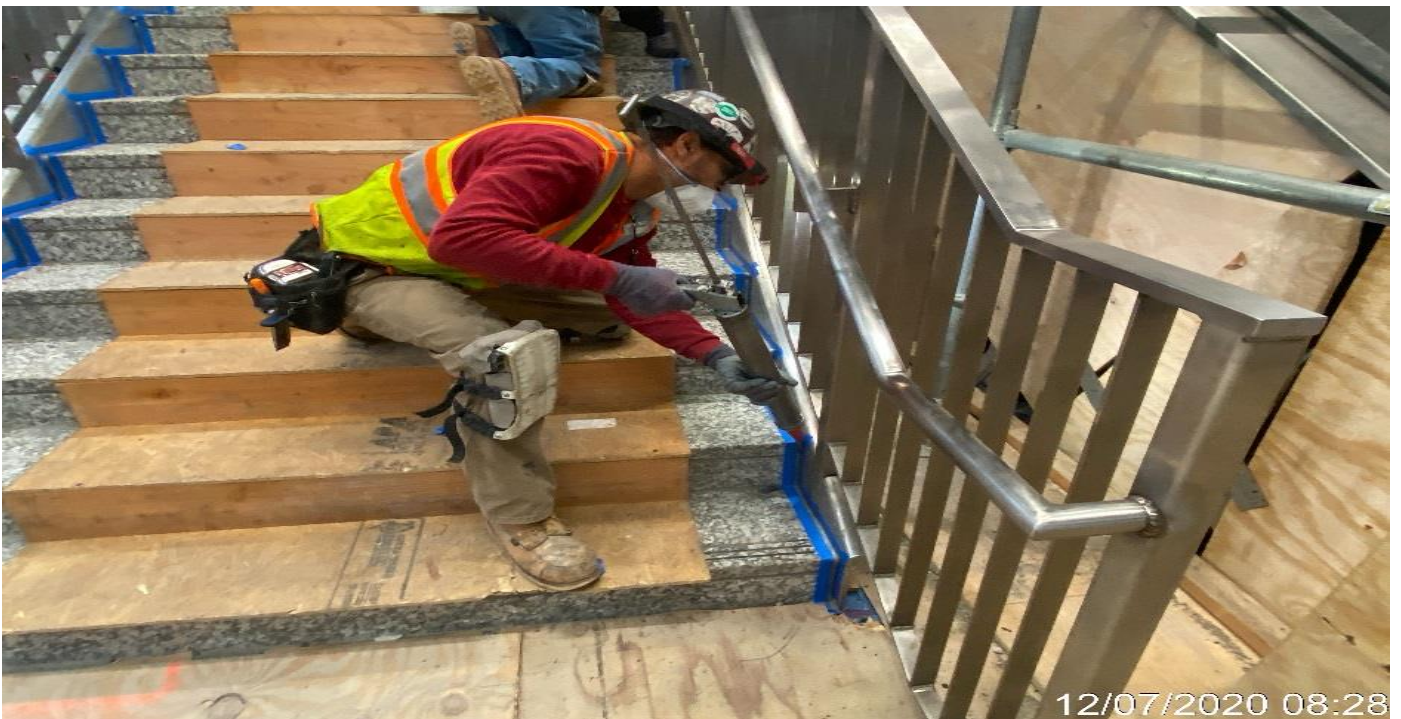
LEIMERT PARK STATION – Continue installing fare gate turnstiles at the concourse Paid Area C-146.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



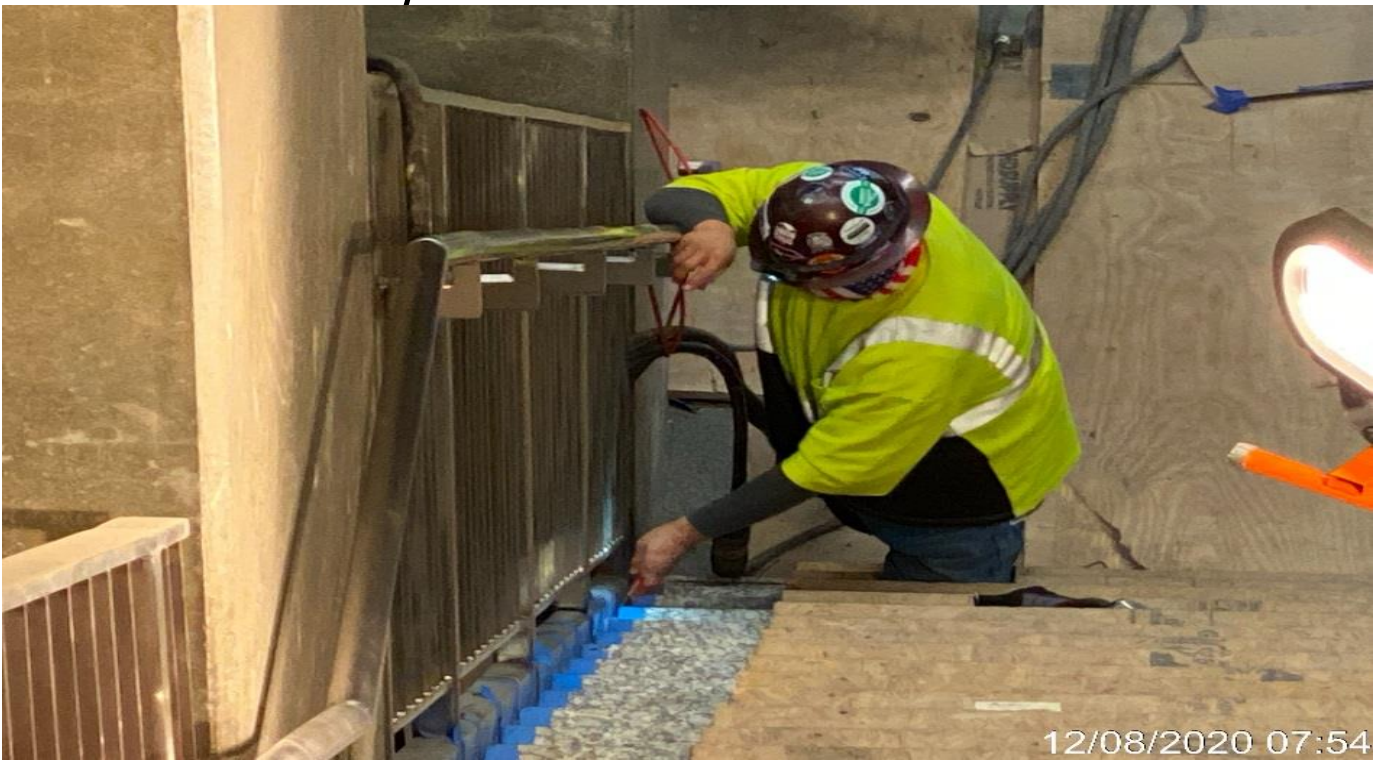
LEIMERT PARK STATION – Continue installing fare gate turnstiles at the concourse Paid Area C-146.



LEIMERT PARK STATION – Caulking and grouting the edges of Staircases 3 from concourse to platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



12/08/2020 07:54

LEIMERT PARK STATION – Continue caulking and grouting the edges of Staircases 3 from concourse to platform.



12/09/2020 08:58

LEIMERT PARK STATION – Continue caulking and grouting the edges of Staircases 3 from concourse to platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



LEIMERT PARK STATION – Installing glass panels inside all 4 Elevator cabs at the concourse level.



MLK STATION – WSCC carpenters building formwork for tree frames.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



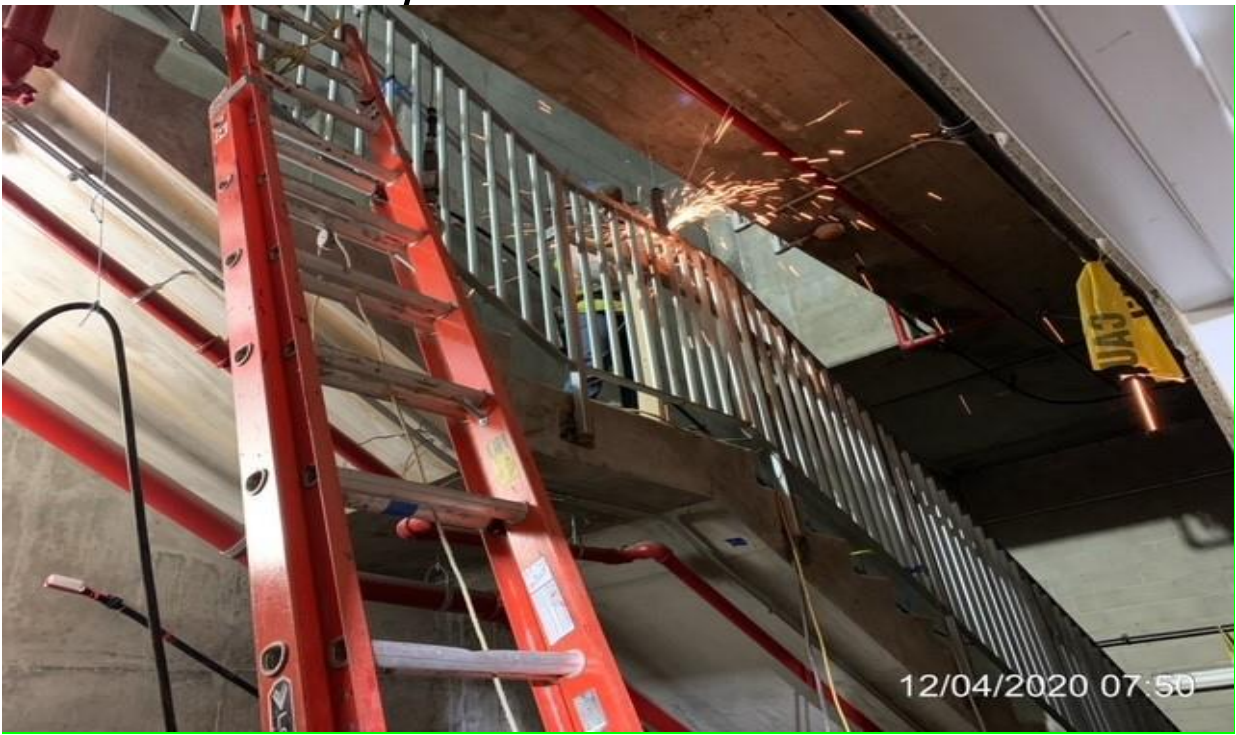
MLK STATION – PCI re-installing “Barz” angle panels



MLK STATION – WSCC crew excavating trench for curb.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – McMahon installing guardrails at emergency stair north #2.



MLK STATION – VNSM applying caulking to Boca light fixtures.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – WSCC excavating trench for gas line.



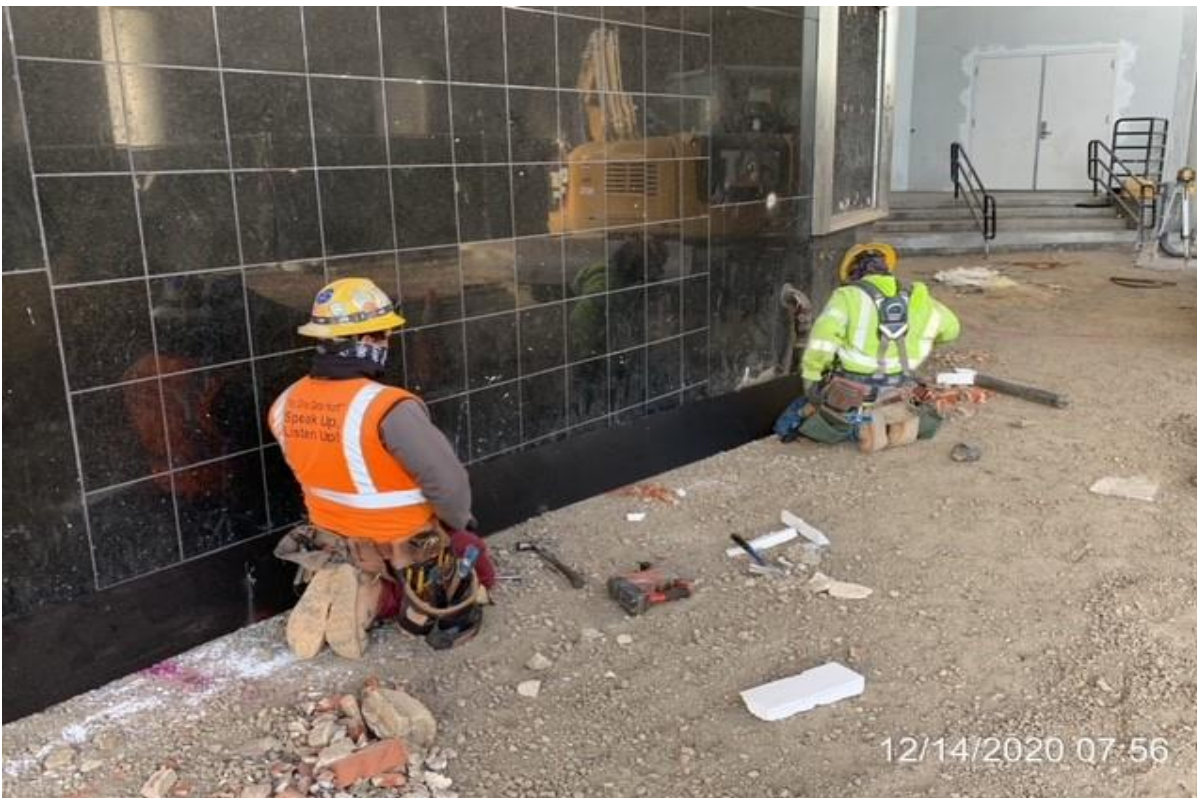
MLK STATION – WSCC crew excavating for curb and gutter.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



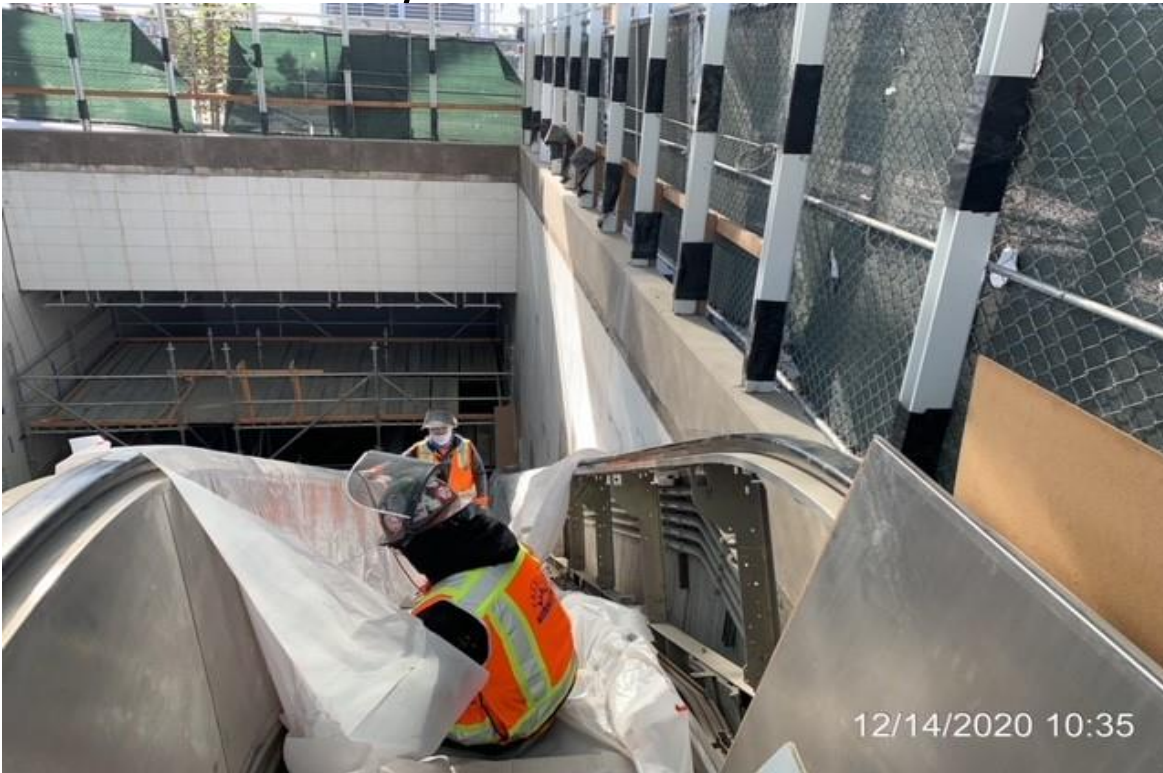
MLK STATION – Resume install AXIS T91L61 pole mount support brackets at pedestrian lighting



MLK STATION – WSCC carpenters continue installing expansion board for north mall curb wall.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Premier Tile & Marble masking escalators in preparation for tile removal.



MLK STATION – Excavating for curb and gutter trench drain along the south service road of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue excavating for curb and gutter trench drain along the south service road of the plaza.



MLK STATION – Continue excavating for curb and gutter trench drain along the south service road of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Building formwork for steel grate frame installation around palm tree bases at the plaza.



MLK STATION – Placing concrete for the walkway curb along the entire east side of the Mall at the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Resume expansion board installation along the north side curb of the Mall at the plaza.



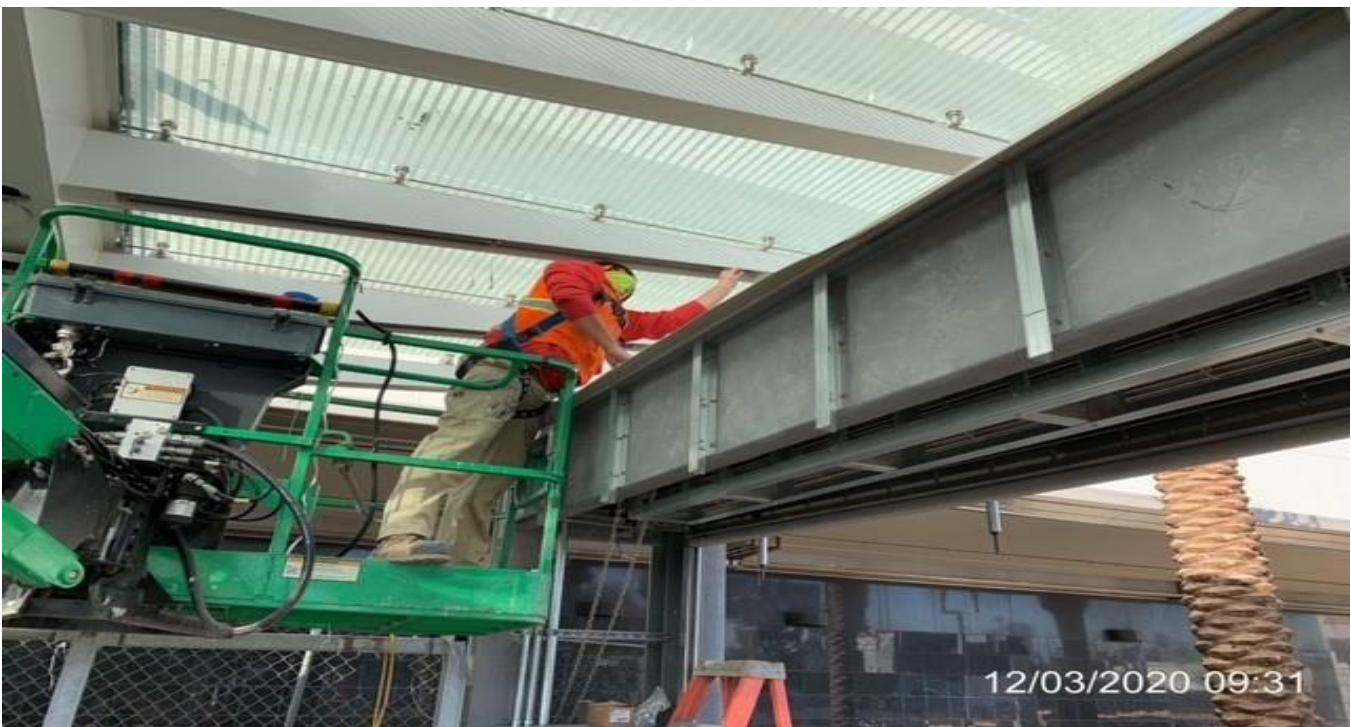
MLK STATION – Continue expansion board installation along the north side curb of the Mall at the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue expansion board installation along the north side curb of the Mall at the plaza.



MLK STATION – Caulking and sealing the BOCA light fixtures at the main entrance canopy of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue caulking and sealing the BOCA light fixtures at the main entrance canopy of the plaza.



MLK STATION – Installing ground grid system at the north end section of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue installing ground grid system at the north end section of the plaza.



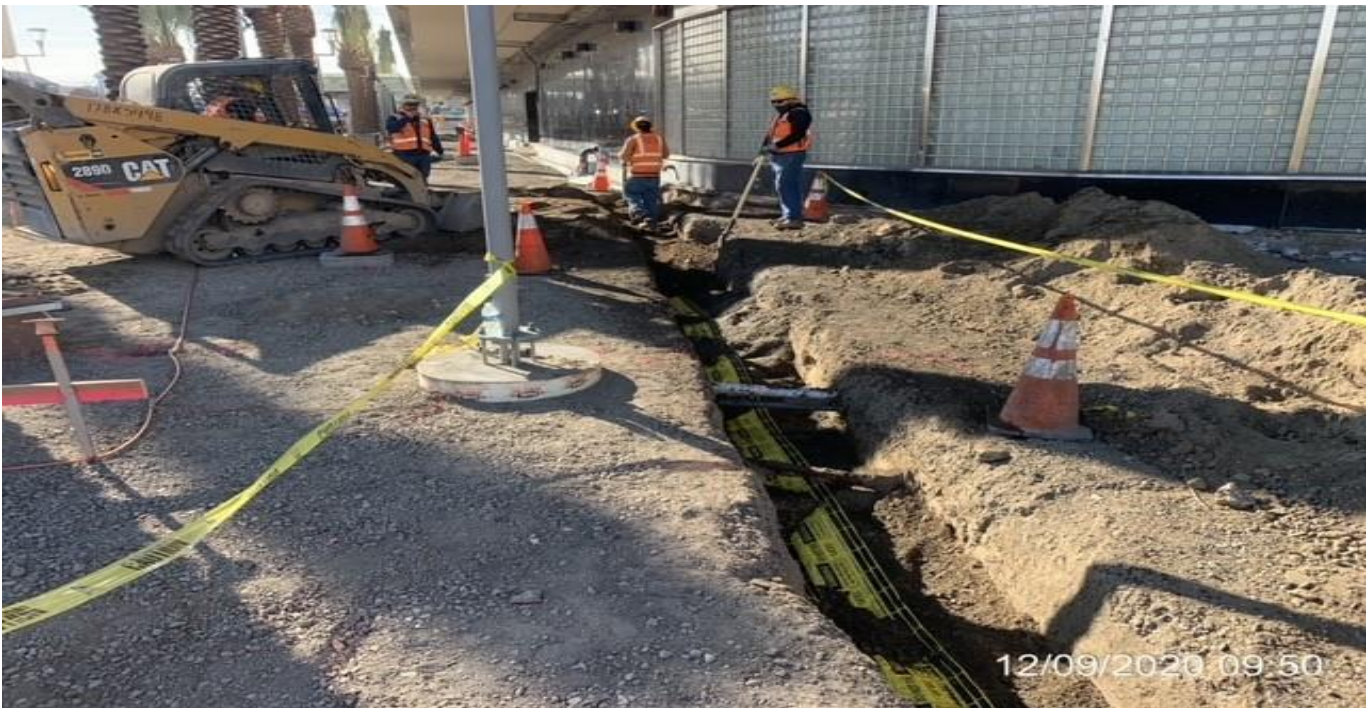
MLK STATION – Continue installing ground grid system at the north end section of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Excavating/trenching for the Capri gas line installation at the north side of the plaza.



MLK STATION – Installed Capri gas line and backfilling trench with base at the north side of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Built formwork and placed concrete for bus pad along the east side of the plaza.



MLK STATION – Placed concrete for street light foundations along the east side of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Installing CCTV support brackets to the pedestrian light poles at the plaza.



MLK STATION – Demolishing and removing remaining sidewalk sections at the far northwest area of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue demolishing and removing remaining sidewalk sections at the far northwest area of the plaza.



MLK STATION – Continue removing remaining sidewalk and grading the far northwest area of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Continue grading and compacting the far northwest area of the plaza.



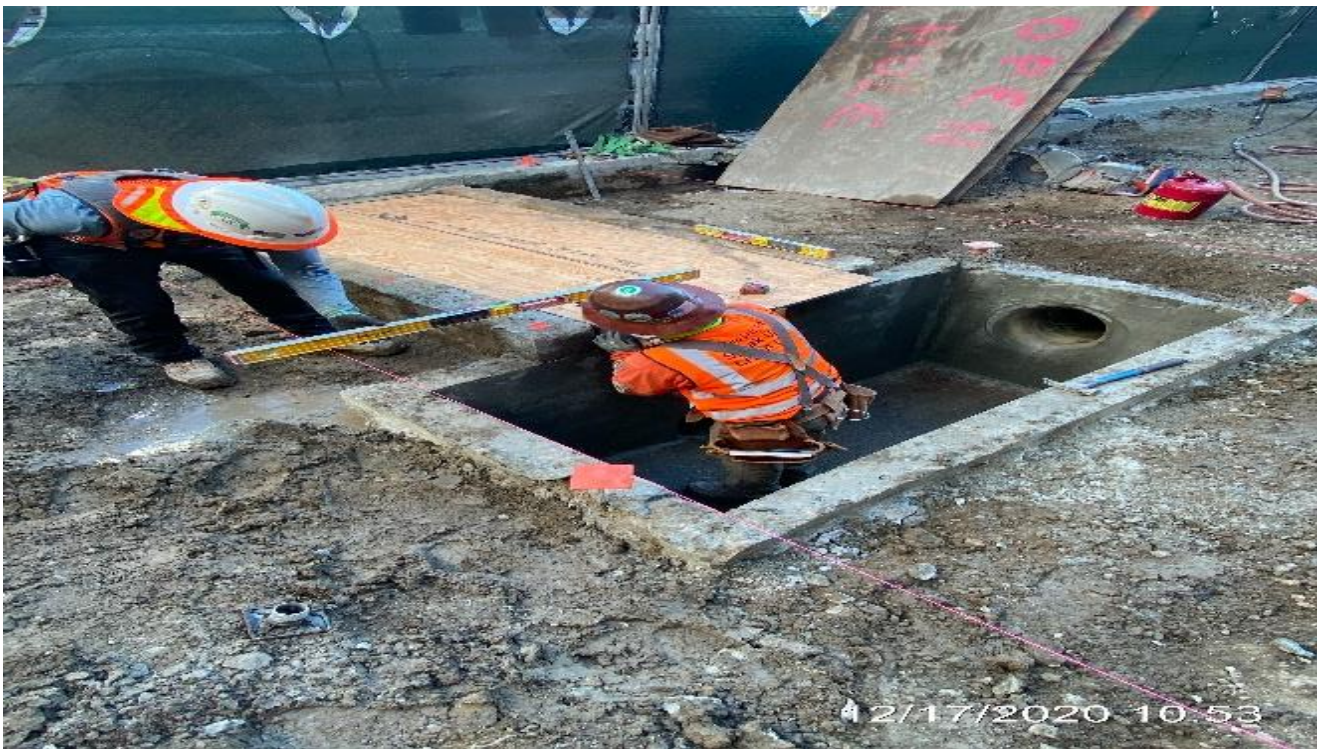
MLK STATION – Continue grading and compacting the far northwest area of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



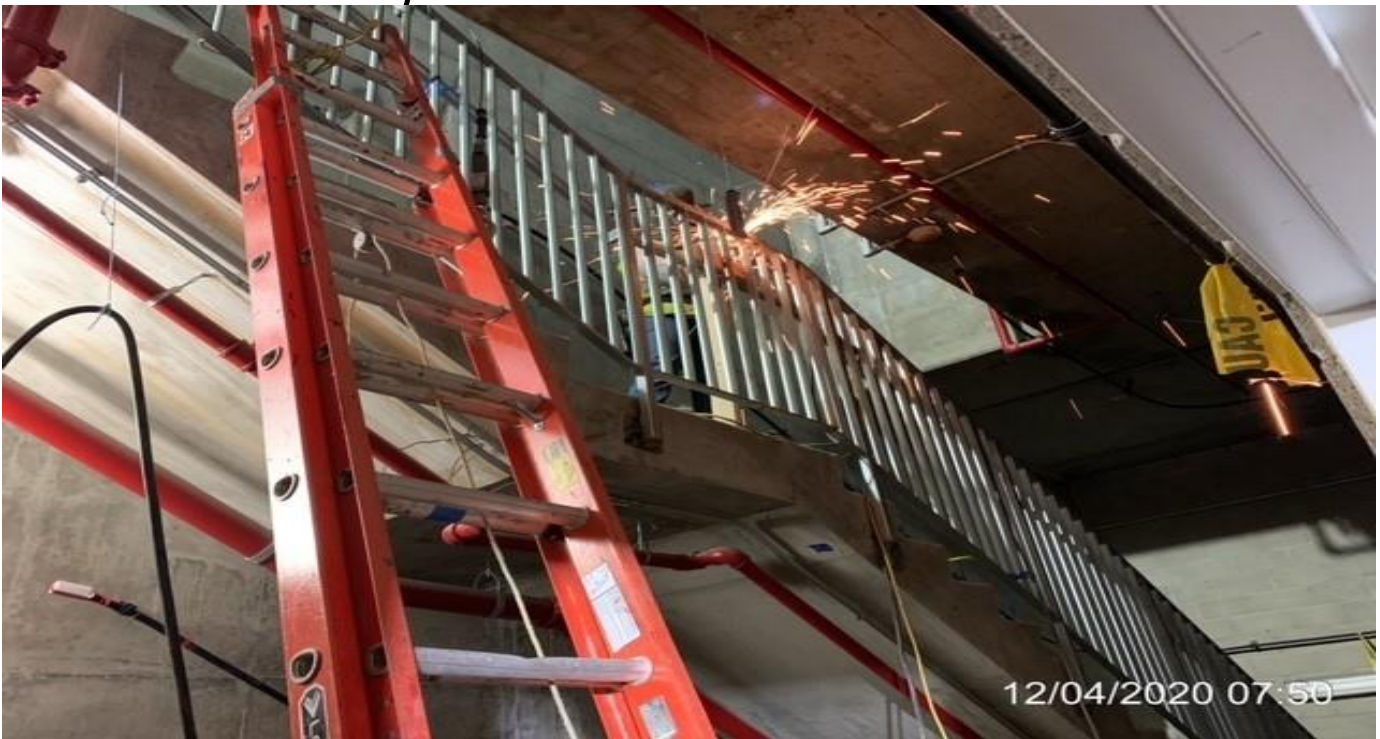
MLK STATION – Sacking and patching Catch Basin 3 on the northeast side of the plaza.



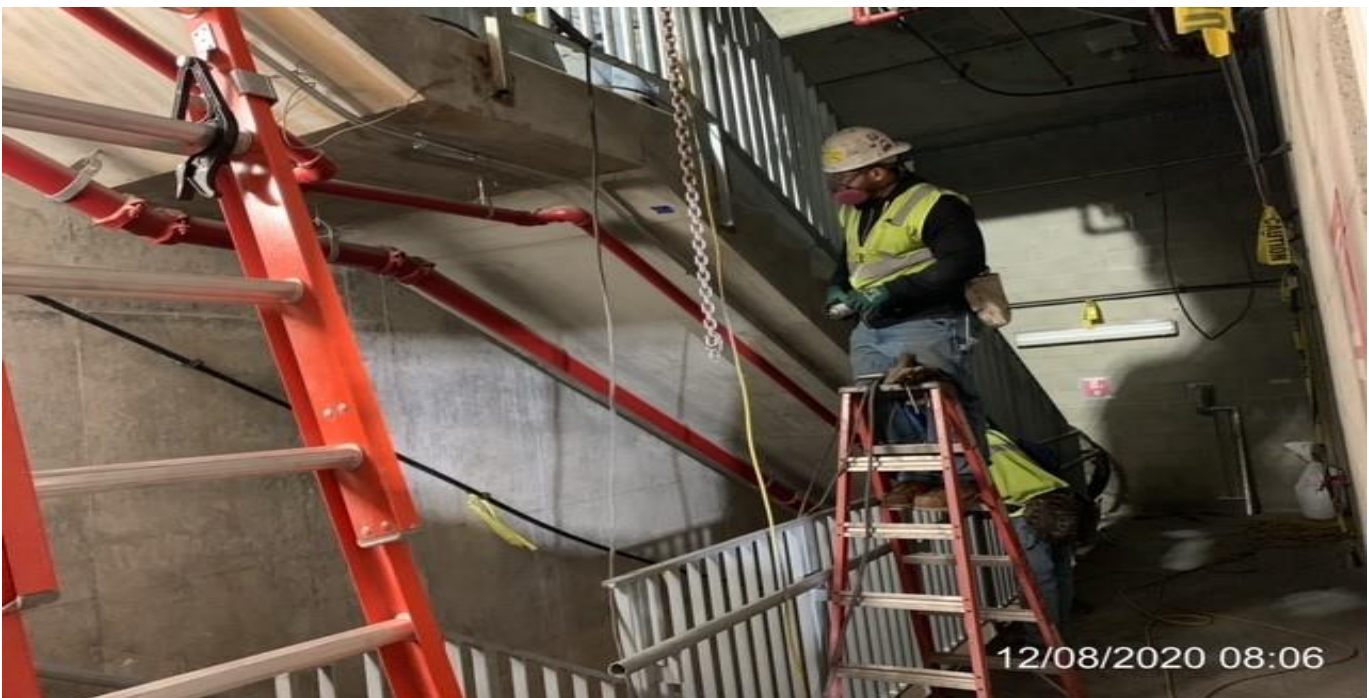
MLK STATION – Continue sacking and patching Catch Basin 3 on the northeast side of the plaza and building formwork for the top section.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



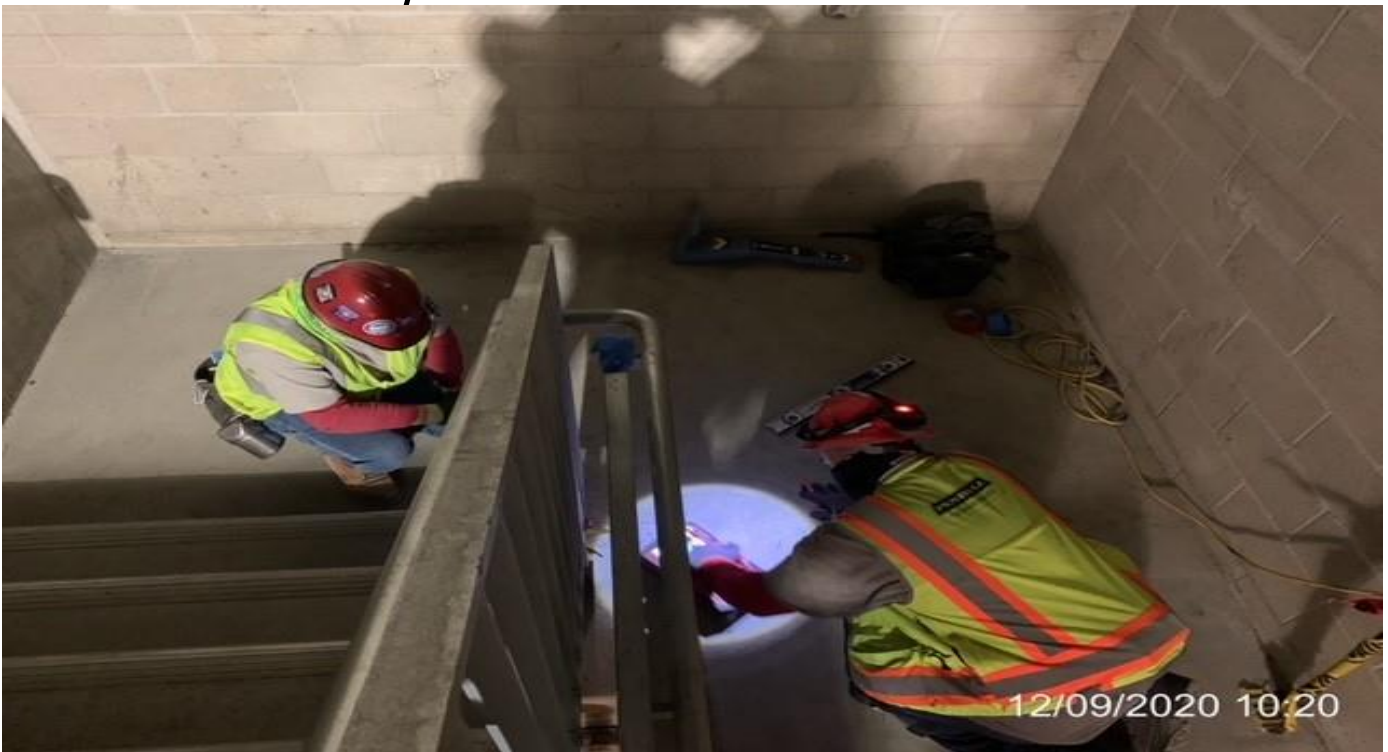
MLK STATION – Installing guardrails to Emergency Exit Stair North 2 from plaza to concourse.



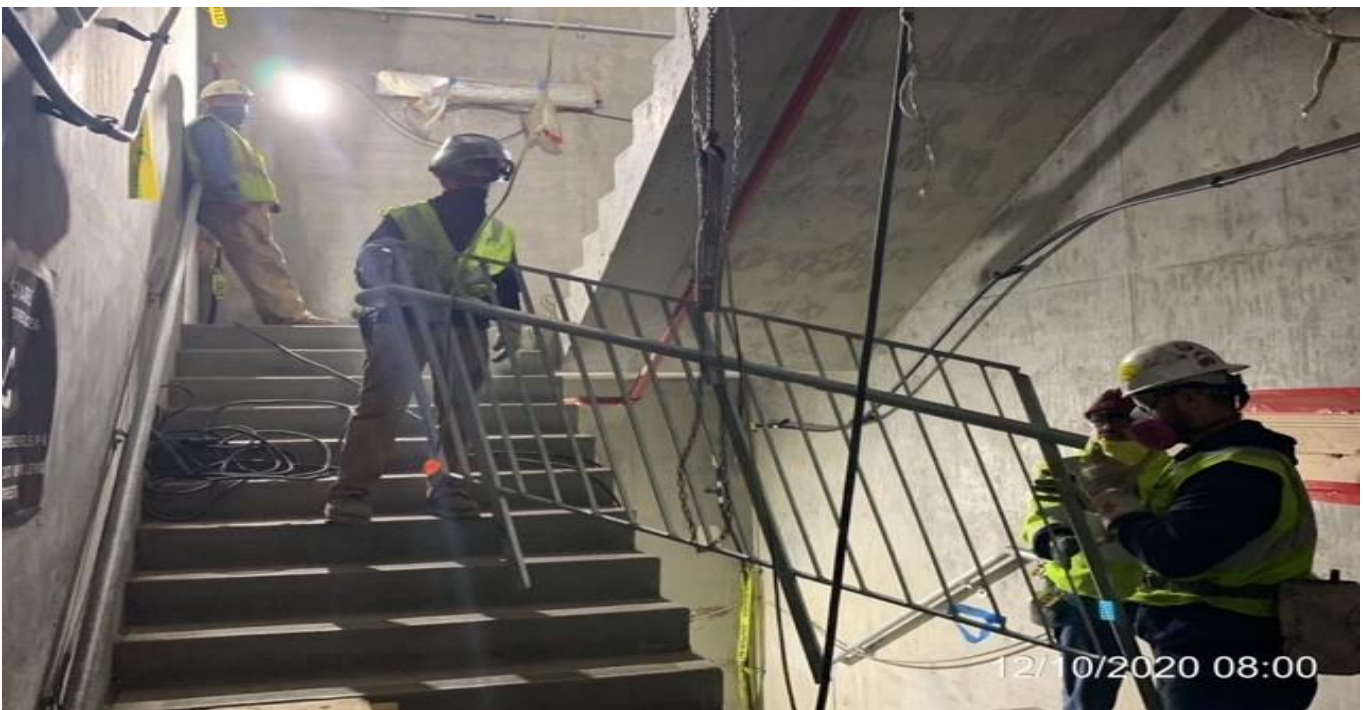
MLK STATION – Continue installing guardrails to Emergency Exit Stair North 2 from concourse to invert.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Scanning landings of Emergency Exit Stair North & South 2 for guardrail installation from plaza to invert.



MLK STATION – Installing guardrails to Emergency Exit Stair South 2 from concourse to invert.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



MLK STATION – Fabricating guardrails at the plaza to continue installation throughout Emergency Exit Stair South 2.



MLK STATION – Installing diagonal screen ceiling panels along the northbound side of the platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



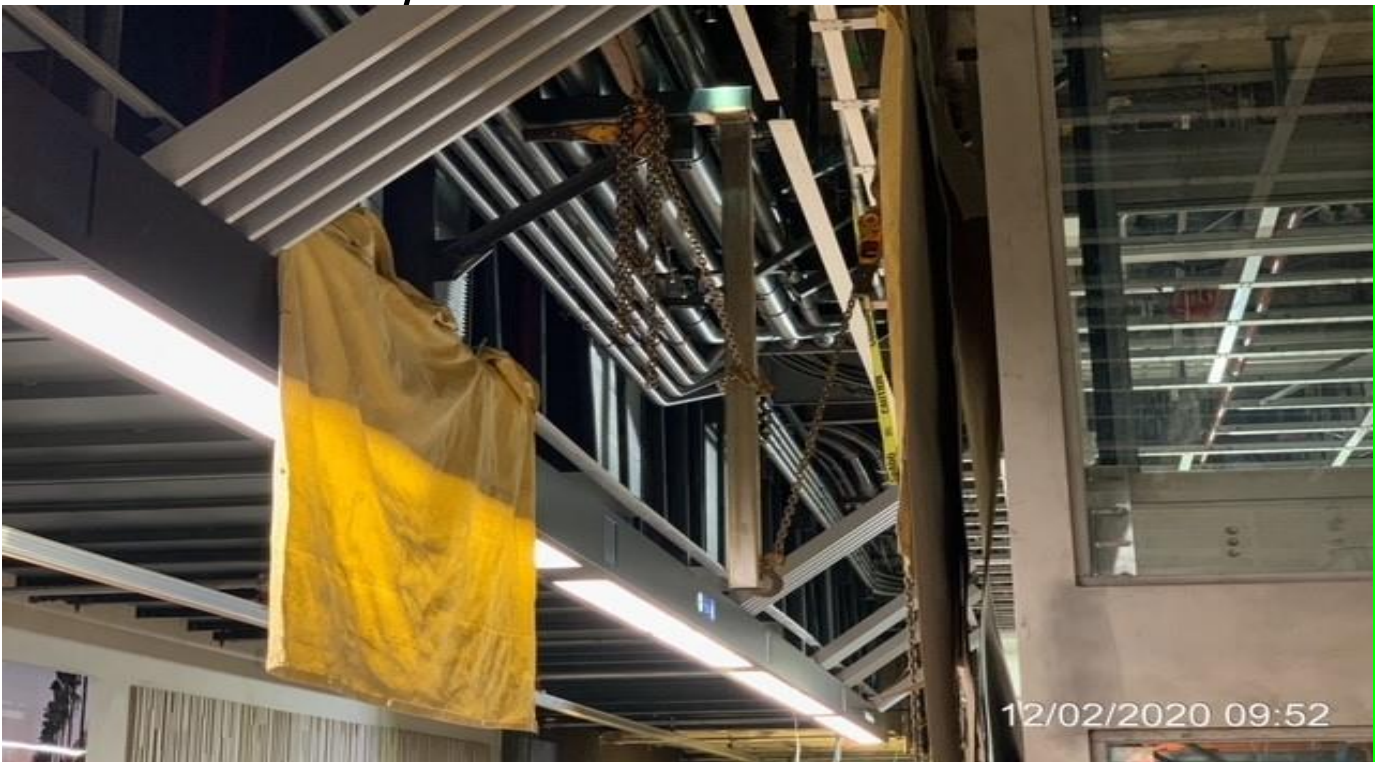
MLK STATION – Installing LED light fixtures above Escalator 3 and Staircase 2 at the platform.



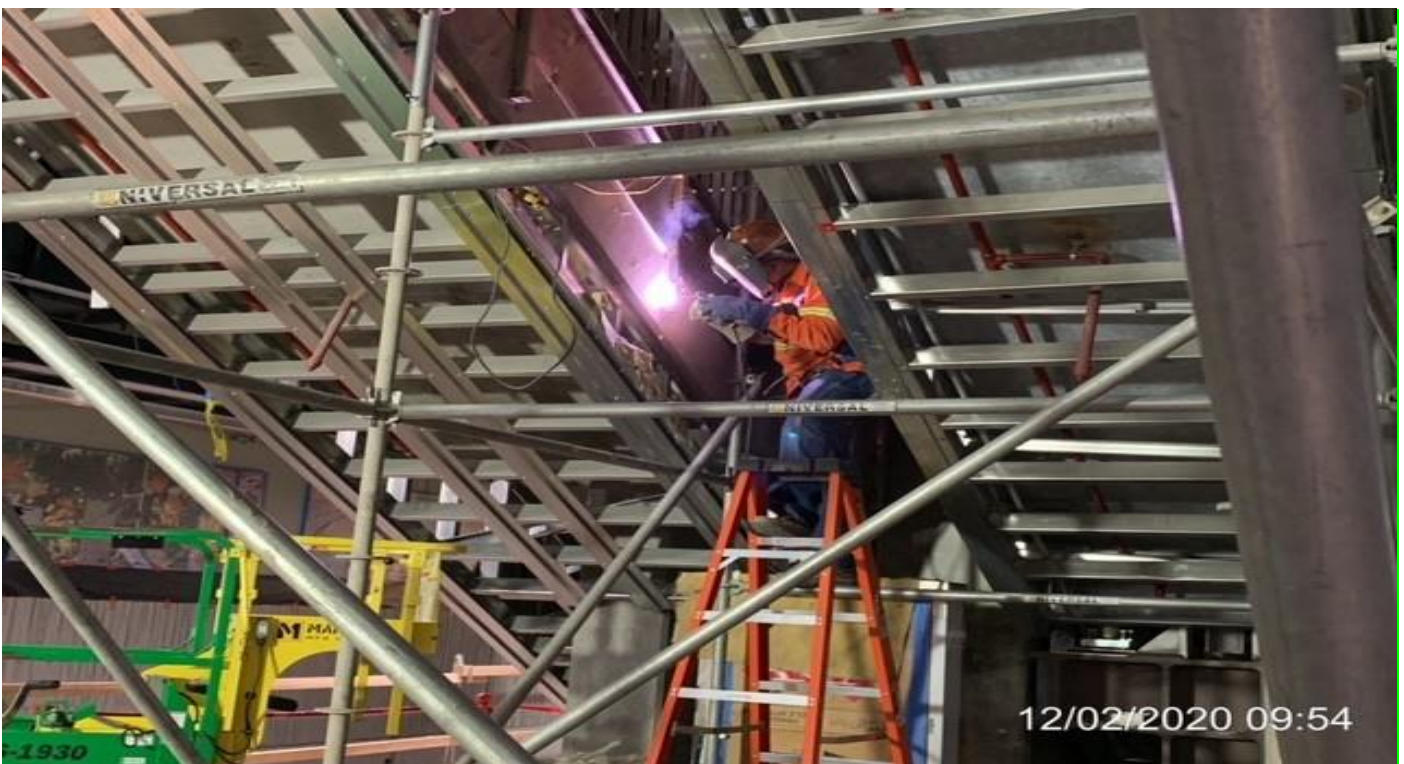
MLK STATION – Drilled and anchored passenger telephone pedestal at the north end of the platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION - WSCC ironworkers installing LCD/VSM support arms.



EXPO STATION – McMahon welding and grinding guardrails for stair #2 and #3



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION– Dean Visosky setting rebar reinforcement for concrete slab.



EXPO STATION– WSCC crew excavating for curb and gutter of service road.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – WSCC carpenters building formwork for bollards.



EXPO STATION – Giroux Glass installing glass for eyebrow on elevator structure #1 and #2



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



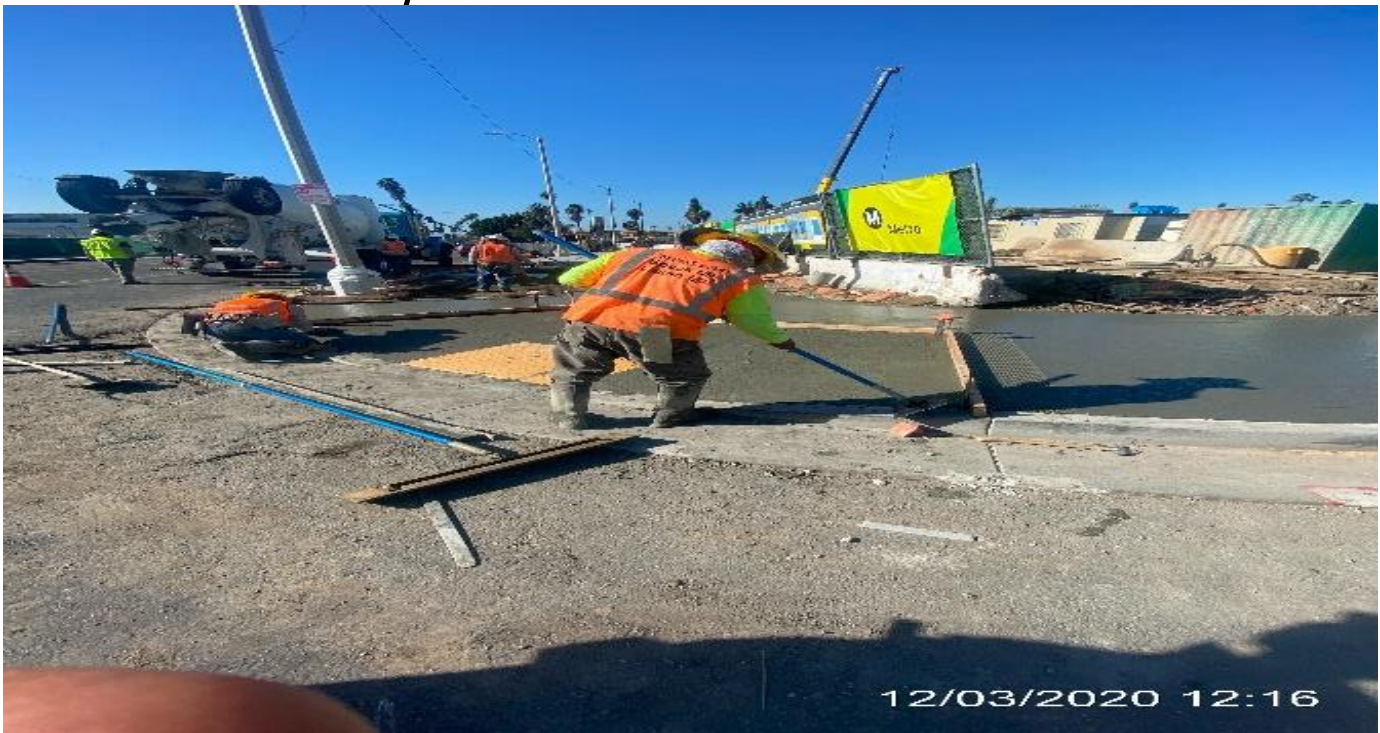
EXPO STATION – WSCC crew concrete encasing electrical conduit for palm tree lighting.



EXPO STATION– PCI taking field dimensions for custom ceiling panels.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION– Fine graded/compacted and built formwork and placed concrete for new ADA ramp and sidewalk installation on the northwest corner of Obama Blvd and Bronson Ave.



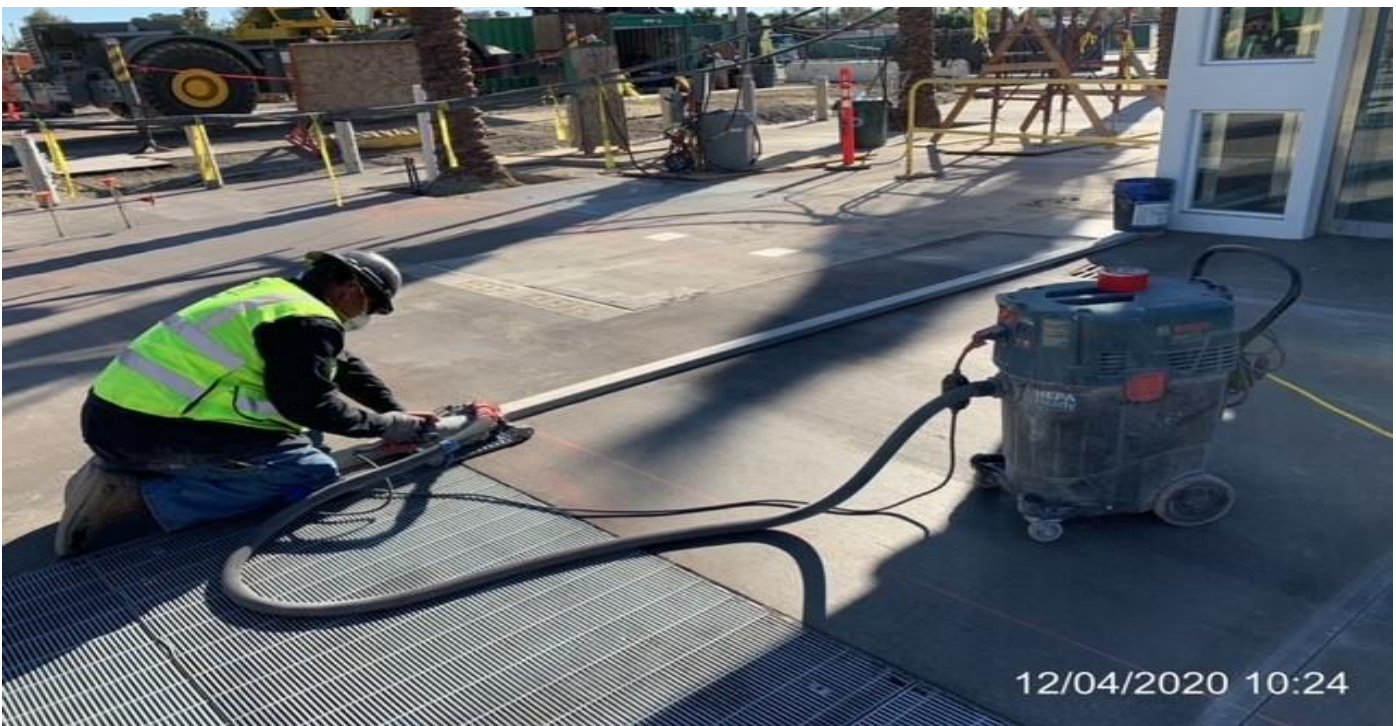
EXPO STATION – Building formwork and placing rebar for the architectural topping slab around the main entrance of the station.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION SITE – Placing concrete for the architectural topping slab around the main entrance of the station.



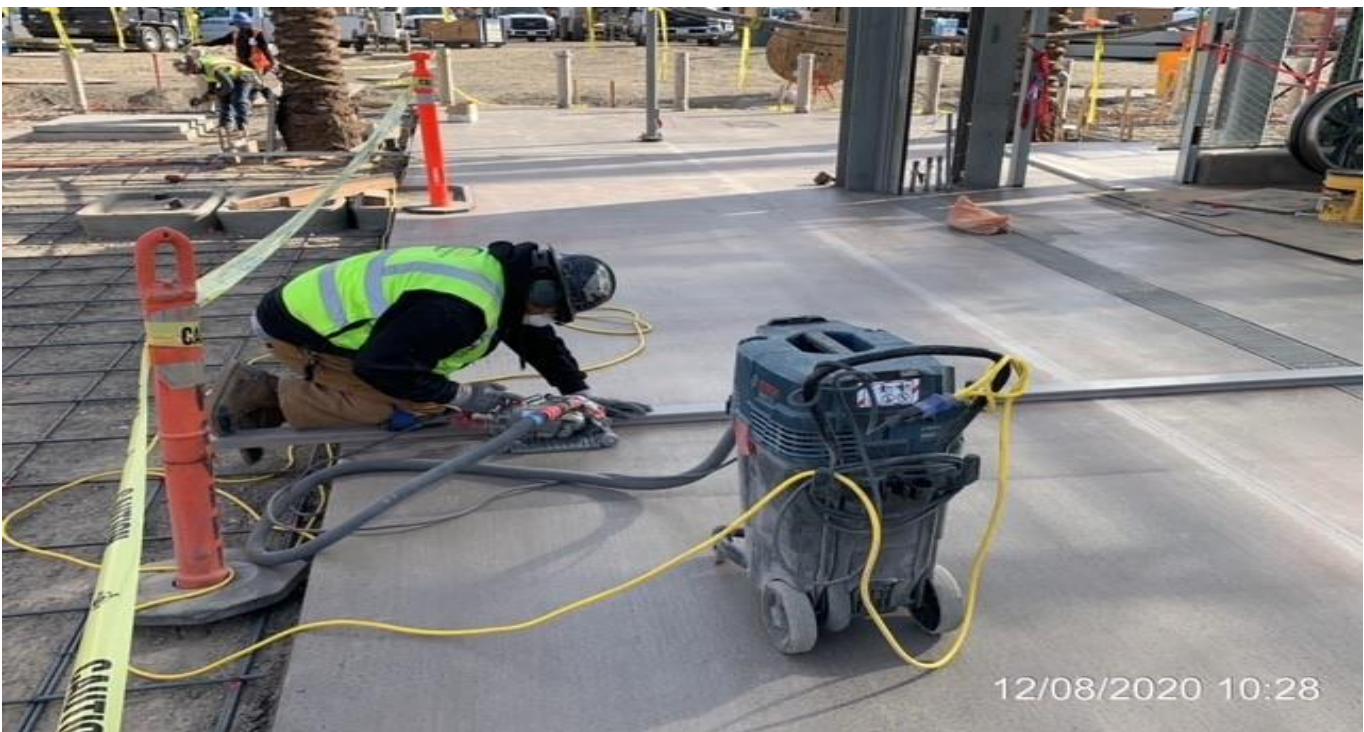
EXPO STATION SITE – Saw cutting control joints to the architectural topping slab around the main entrance of the station.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



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



EXPO STATION – Continue saw cutting control joints to the architectural topping slab around the main entrance of the station.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Resume building formwork and placing rebar for the architectural topping slab at the north end of the station.



EXPO STATION – Continue building formwork and placing rebar for the architectural topping slab at the north end of the station.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION SITE– Building formwork for the remaining steel bollard foundations at the north end of the plaza.



EXPO STATION – Continue setting formwork and installing the remaining steel bollards at the north end of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Placing concrete for the remaining steel bollards at the north end of the plaza.



EXPO STATION – Continue ground grid system installation at the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Continue ground grid system installation at the plaza.



EXPO STATION – Continue ground grid system installation at the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Continue ground grid system installation at the plaza.



EXPO STATION – Installing glass panels to the top section of Elevators 1&2 at the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



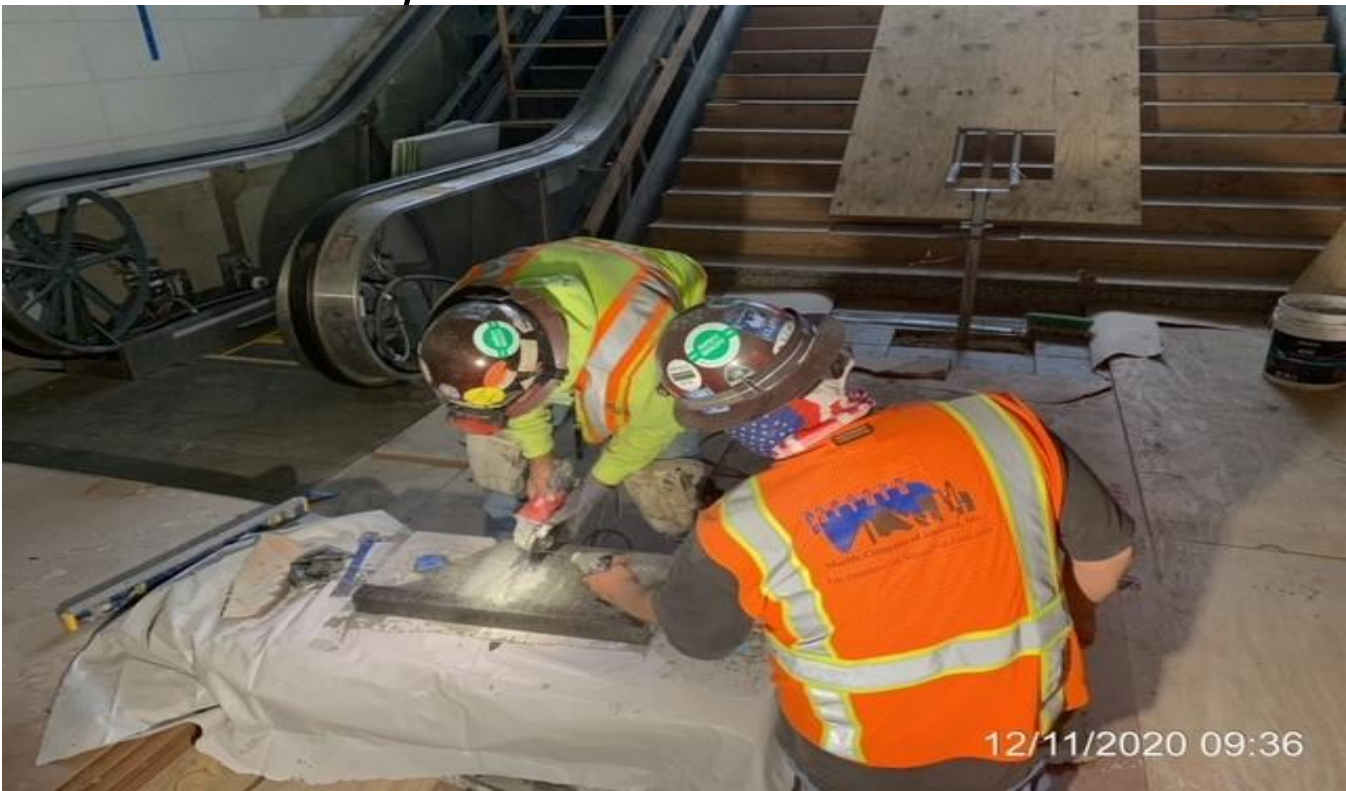
EXPO STATION – Concrete encasing landscape lighting conduit for trees at the plaza.



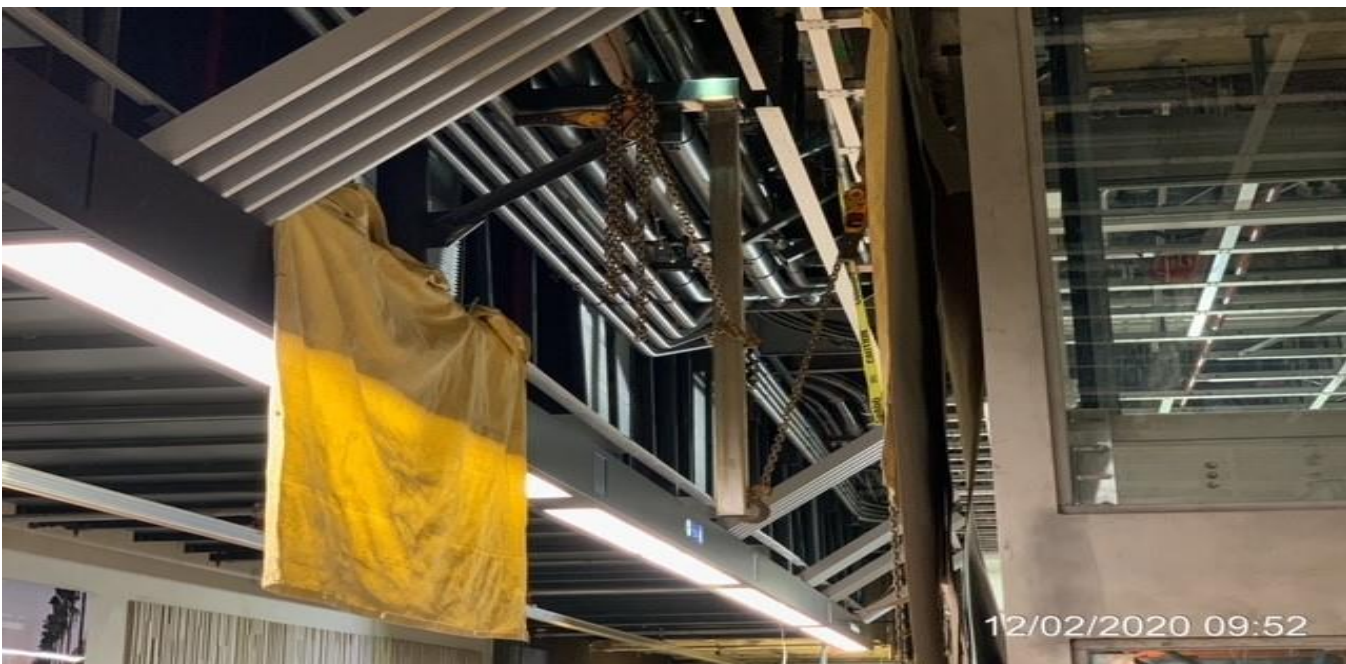
EXPO STATION - Continue grading/compacting and laying base at the northwest corner of the plaza.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



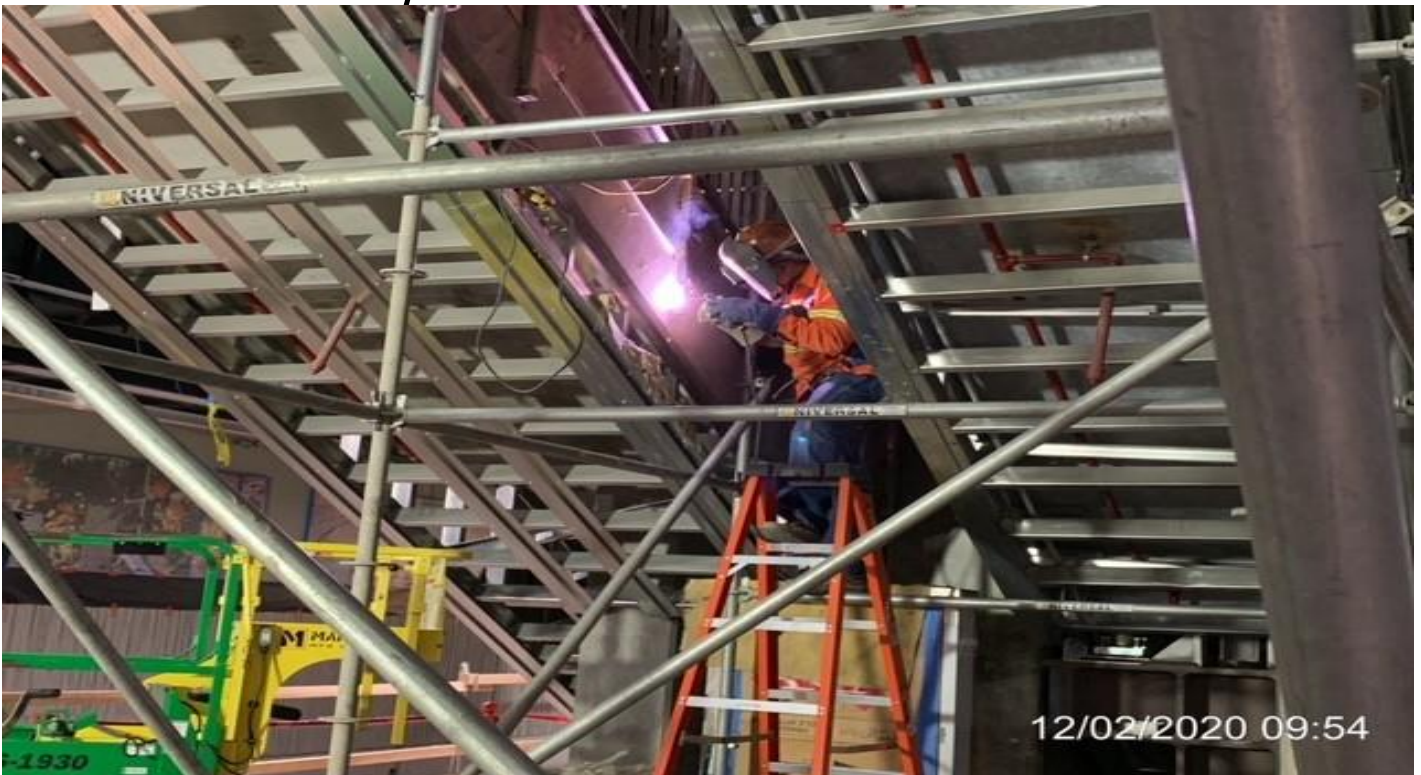
EXPO STATION – Setting granite pavers around center handrail post of Staircase 1 from plaza to concourse.



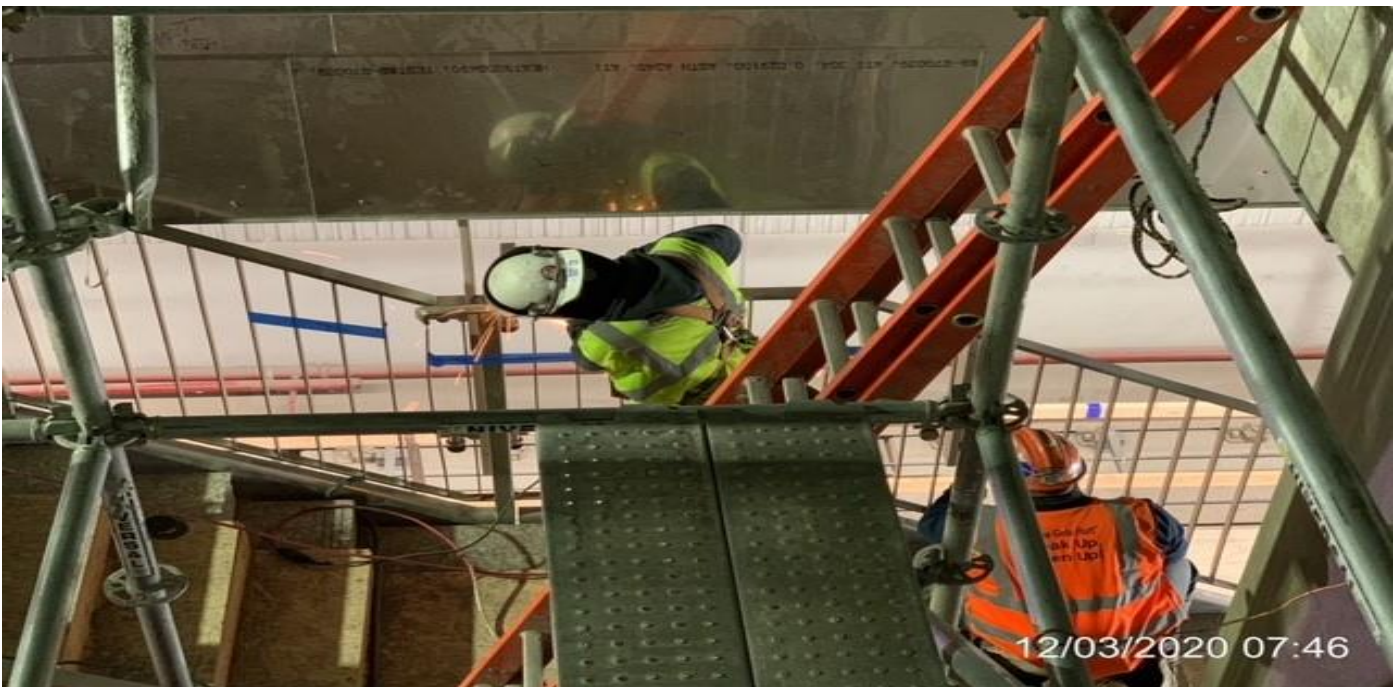
EXPO STATION – Continue installing LCD/VMS support arm system along the northbound side of the platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



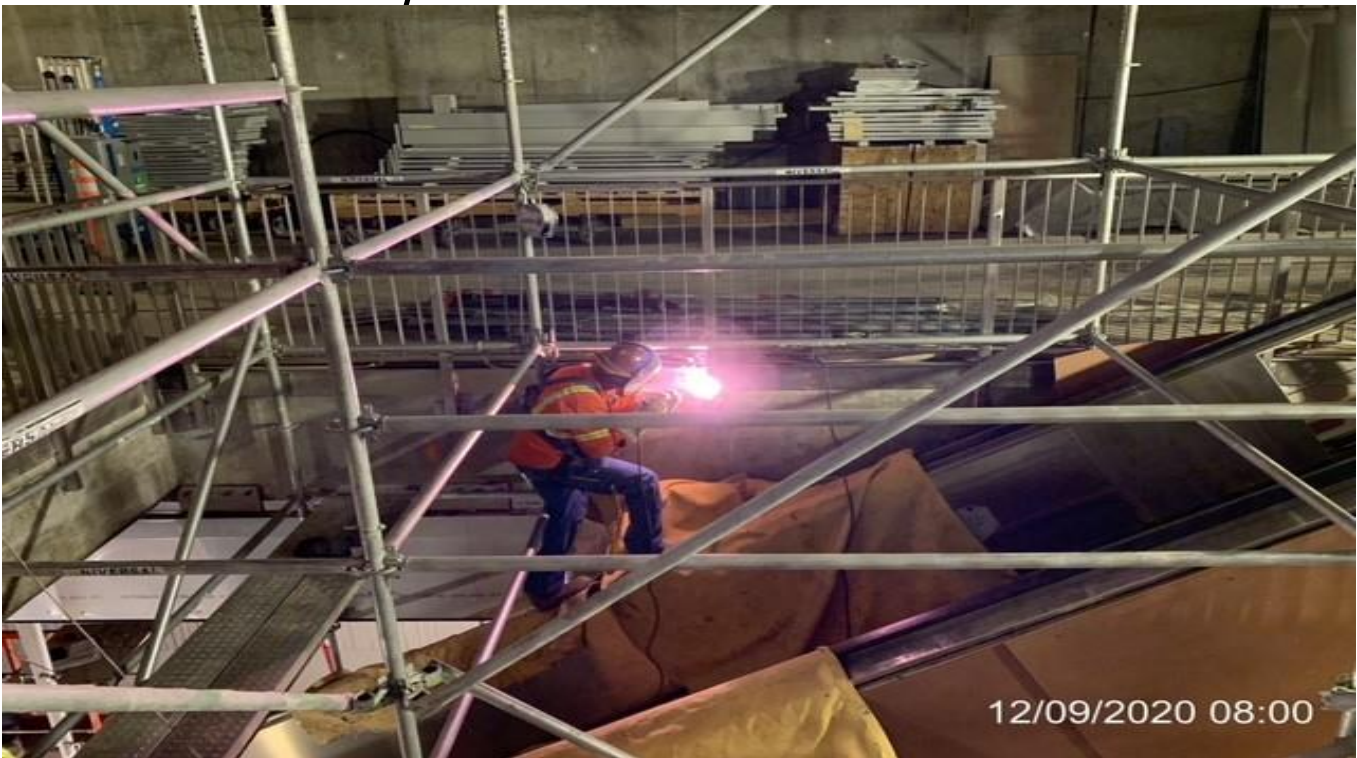
EXPO STATION – Continue welding and grinding guardrails for Staircases 2&3 from concourse to platform.



EXPO STATION – Continue welding and grinding guardrails for Staircases 2&3 from concourse to platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



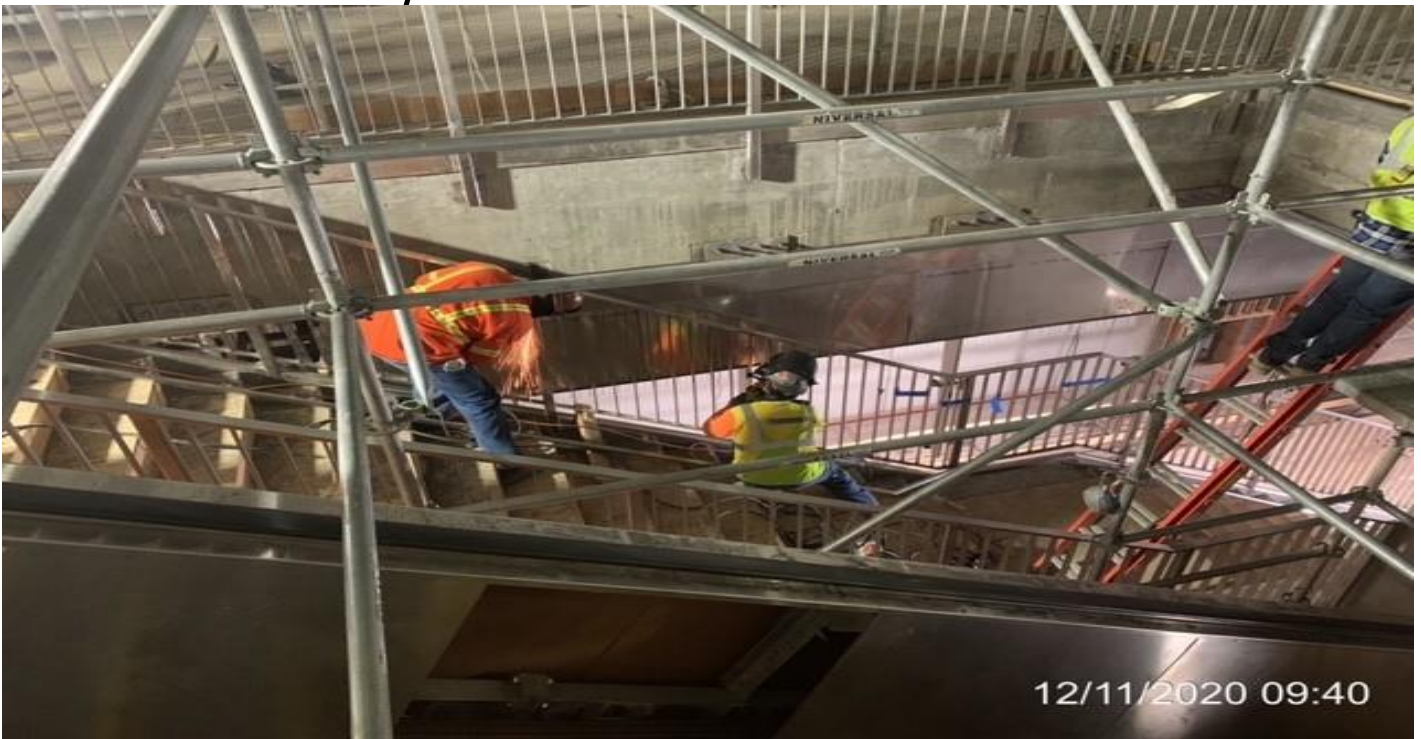
EXPO STATION – Continue welding edge plates along the bottom guardrail perimeter of the escalator/staircase opening.



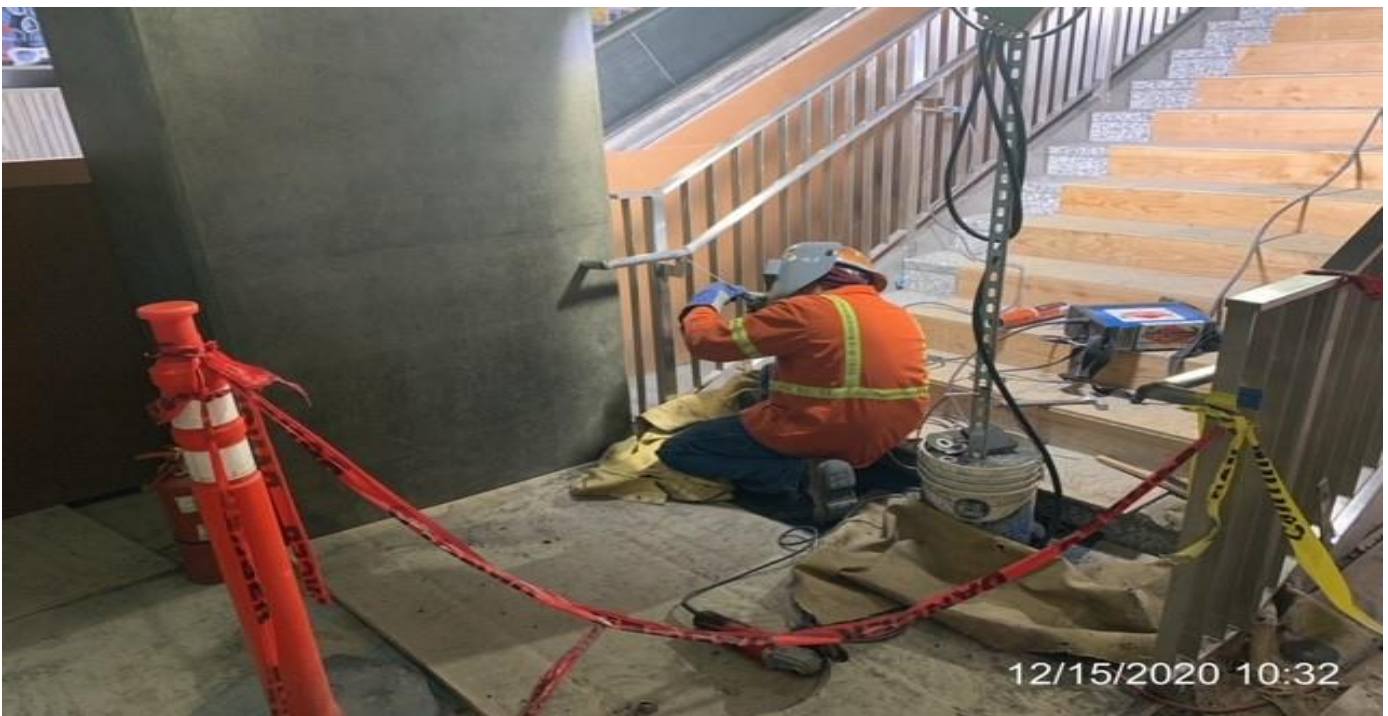
EXPO STATION – Fabricating for edge plate installation along the bottom guardrail perimeter of the escalator/staircase opening.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Continue grinding guardrail finishes for Staircases 2&3 from concourse to platform



EXPO STATION – Continue grinding guardrail finishes for Staircases 3 from concourse to platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Resume perforated ceiling panel installation throughout the platform.



EXPO STATION – Drilled and anchored passenger telephone pedestal at the north end of the platform.



# CRENSHAW/LAX PHOTOGRAPHIC UPDATE



EXPO STATION – Continue welding steel support and installing skirt plates to the edge of the switchgear platform inside the TPSS #10 at invert.

## **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.



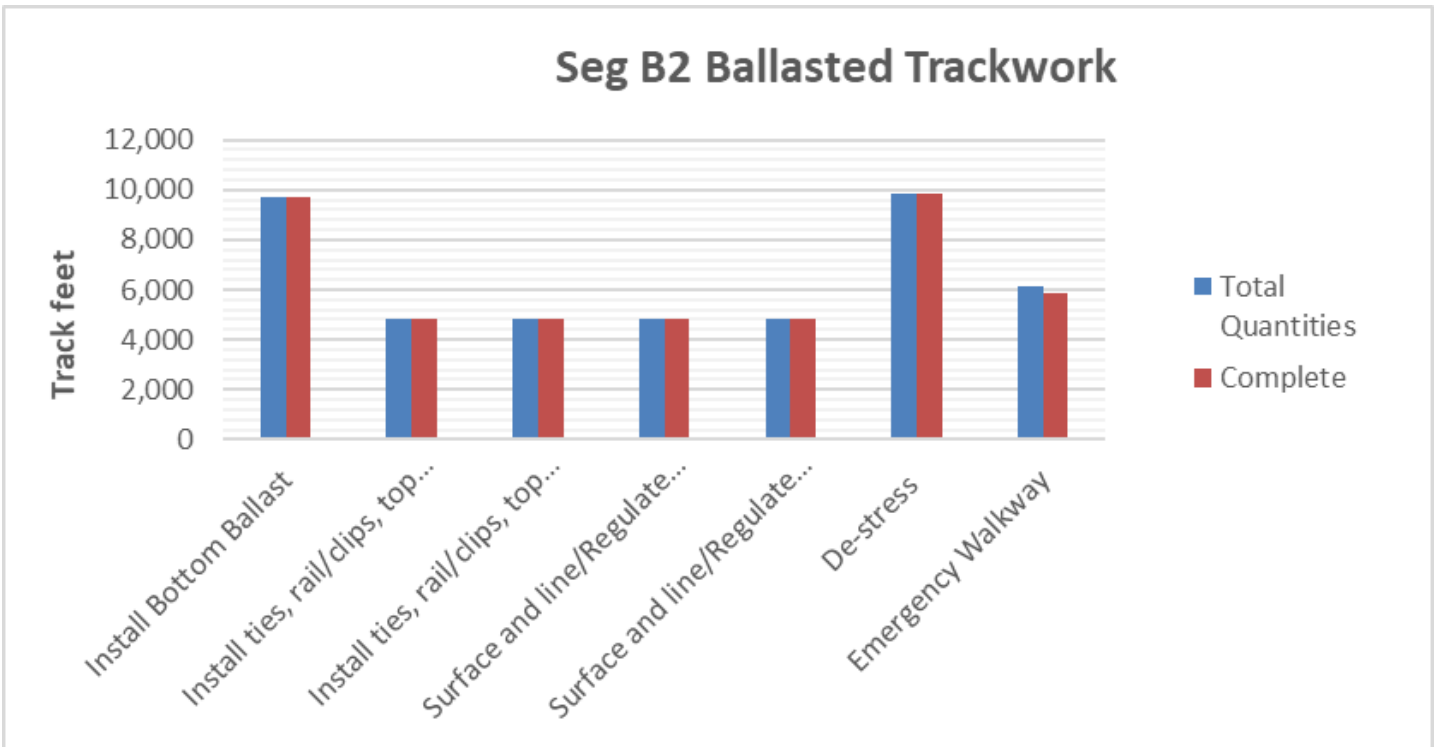
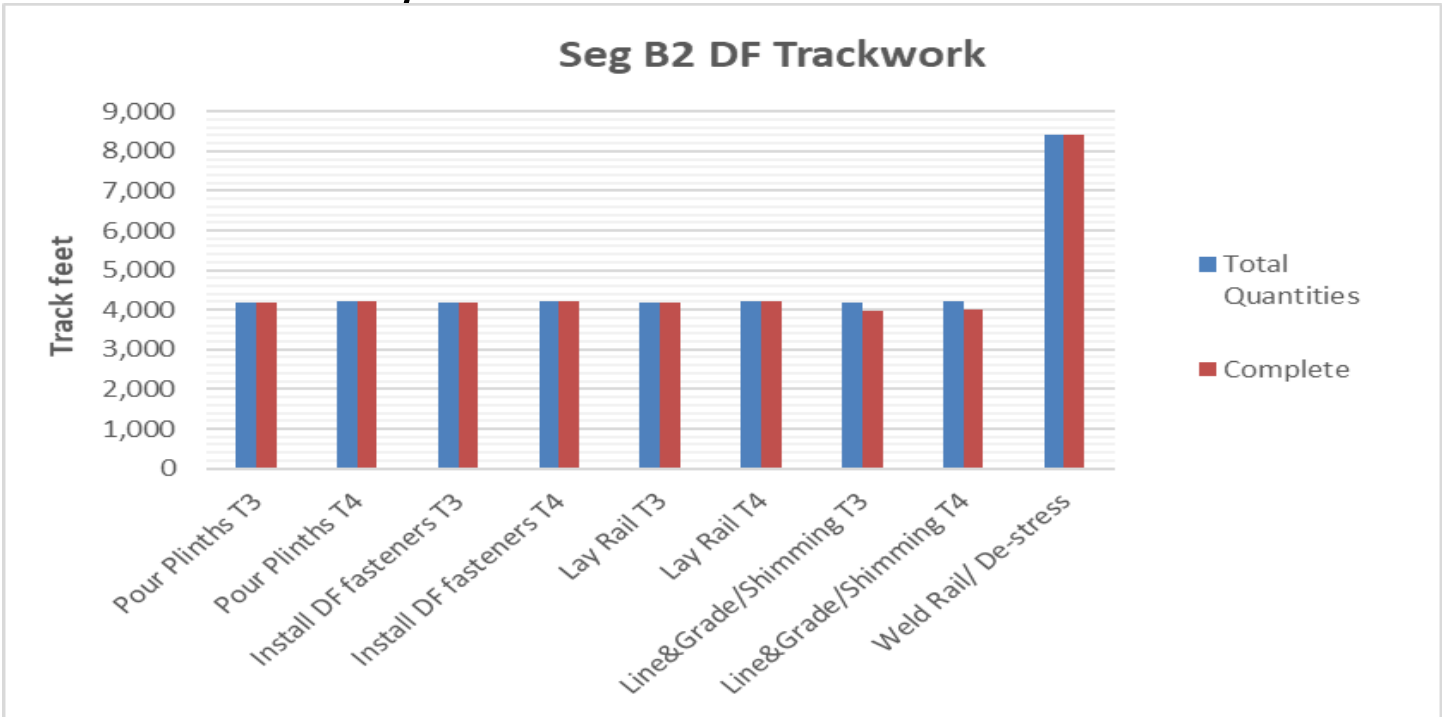
# CRENSHAW/LAX PHOTOGRAPHIC UPDATE

## PROJECT WIDE TRACKWORK PROGRESS

	TRACK TYPE	ACTIVITY	TRACK FEET/QUANTITY	INSTALLED TO DATE	REMAINING	ACTIVITY % PROGRESS	Potential Rework *	Punchlist ** (Complete/Incomplete)
<b>SEGMENT B2</b>	<b>DF (8,408 TF)</b>	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					
	<b>BALLASTED TRACKWORK (9681 TF including grade crossings)</b>	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					
	<b>SPECIAL TRACKWORK</b>	Ballasted Single Crossover (U1/U2, V1/V2)	2	2	0	100.00%		INC
Thermite Welds		56	56	0	100.00%			
Insulated Joints (I's)		12	12	0	100.00%	*	INC	
Acceptance for turnover to subcontractors	yes/no	no						
<b>GRADE X-ING</b>	Construct Crossing (48th, 50th, 52nd, 54th, 57th, 59th, Slausen)	7	6	1	85.71%			
<b>SEGMENT C</b>	<b>DF (16,756 TF)</b>	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				
	<b>SPECIAL TRACKWORK</b>	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 (I'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

