

High Priority State of Good Repair (SOGR) Program Program Status Update - April 2019

Program Overview

The High Priority State of Good Repair (SOGR) Program includes the rehabilitation and replacement of existing Metrolink-owned and maintained track, grade crossings, turnouts, culverts and railroad bridges. The objective of this program is to rehabilitate and replace the most critical priorities of aging track and railroad structures currently in use by Metrolink's daily commuter rail service, Amtrak service and other railroad partner service and maintain on-time service. In March 2018, an MOU was finalized, adding six projects (Phase B) to the original 23 most critical (Phase A) projects for a total of 29 projects. Additional projects will be proposed if cost savings and/or additional funding allows. The work is being performed to avoid the need for slow orders which are required when track or bridge structures are not at an acceptable condition for existing speeds or weights. Currently, segments of Metrolink's track and bridge structures are nearing out-of-compliance levels with existing SCRRRA Track Maintenance and Engineering Instruction (TMEI) standards.

Program Status Update

Minimal change occurred over the period as staff continued to coordinate with contractor crews on the start-up of the rail top bridge replacement projects, which received NTP in late-January. The contractor and staff are coordinating on the schedule, work windows and submittals. The contractor is actively pursuing a vendor to furnish bridge girders, which are a long-lead item. The contractor plans to begin installing foundation pilings April, followed by additional preparation work over the summer, prior to installing girders in Fall 2019. Preparation work also continues on the CP Woodman Turnout Rehab project. Crews are "pre-building" the turnouts along the right-of-way in order to expedite the replacement process and minimize impacts to rail traffic when they are installed in April. Construction is aligned with temporary platform construction activities at the adjacent Van Nuys Station project which is also contracted with Kiewit. Work to complete the headwall on the final Valley Sub Culvert replacement is anticipated to be complete by April 2019. The project delivery team is working effectively, evaluating schedules, monitoring issues, assumptions and risks. Staff continues to evaluate the condition of proposed rehab projects that are not currently funded to determine if speed and/or weight restrictions are necessary.

Status by asset type:

- Ties - Tie replacement completed on all Phase A projects. Phase B (Valley Sub) to be performed in May 2019.
- Rail - Rail rehab on River Sub (EB) finished under budget; rehab of rail curves on Ventura Sub substantially complete.
- Turnouts - CP Taylor in-service Sept 2018; CP 9th completed Nov-2018, CP Woodman to complete in April 2019.
- Culverts - Completed Ph. A culverts and 7 of 8 Ph. B culvert projects. Remaining headwall on the Valley Sub to complete by April 2019.
- Bridges - Contract awarded by SCRRRA Board in Nov. 2018; NTP issued in Jan. 2019; reviewing schedule and submittals.
- Crossings - Katherine Rd Crossing Project completed in Dec. 2018

Next Steps

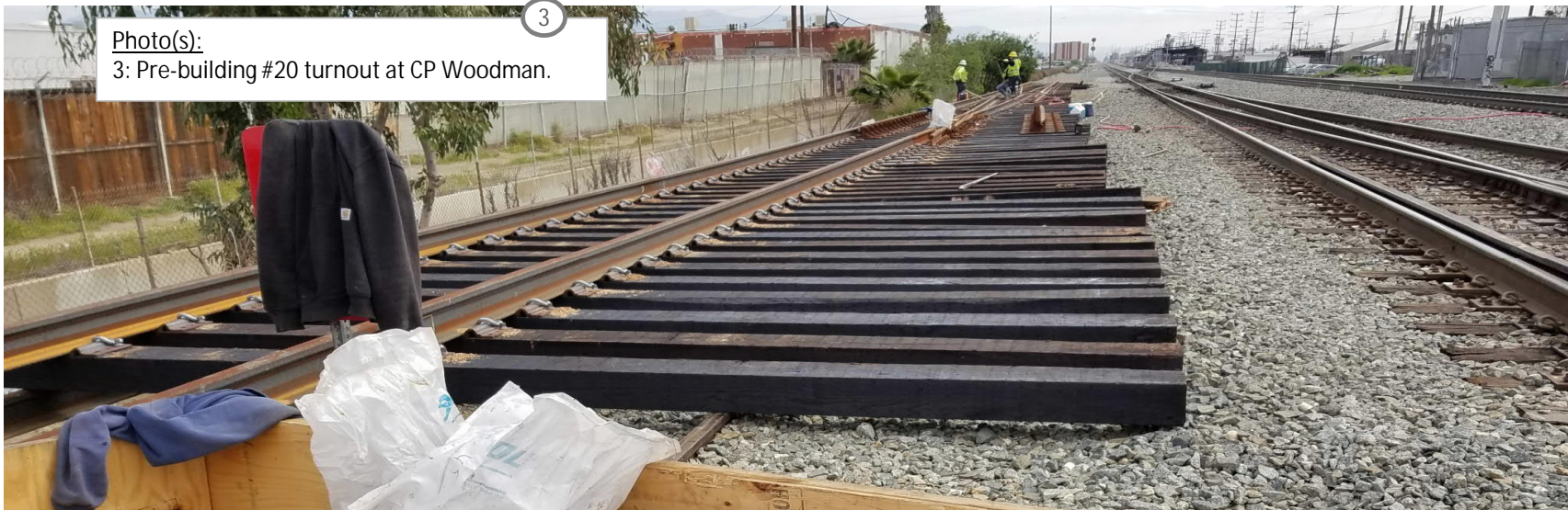
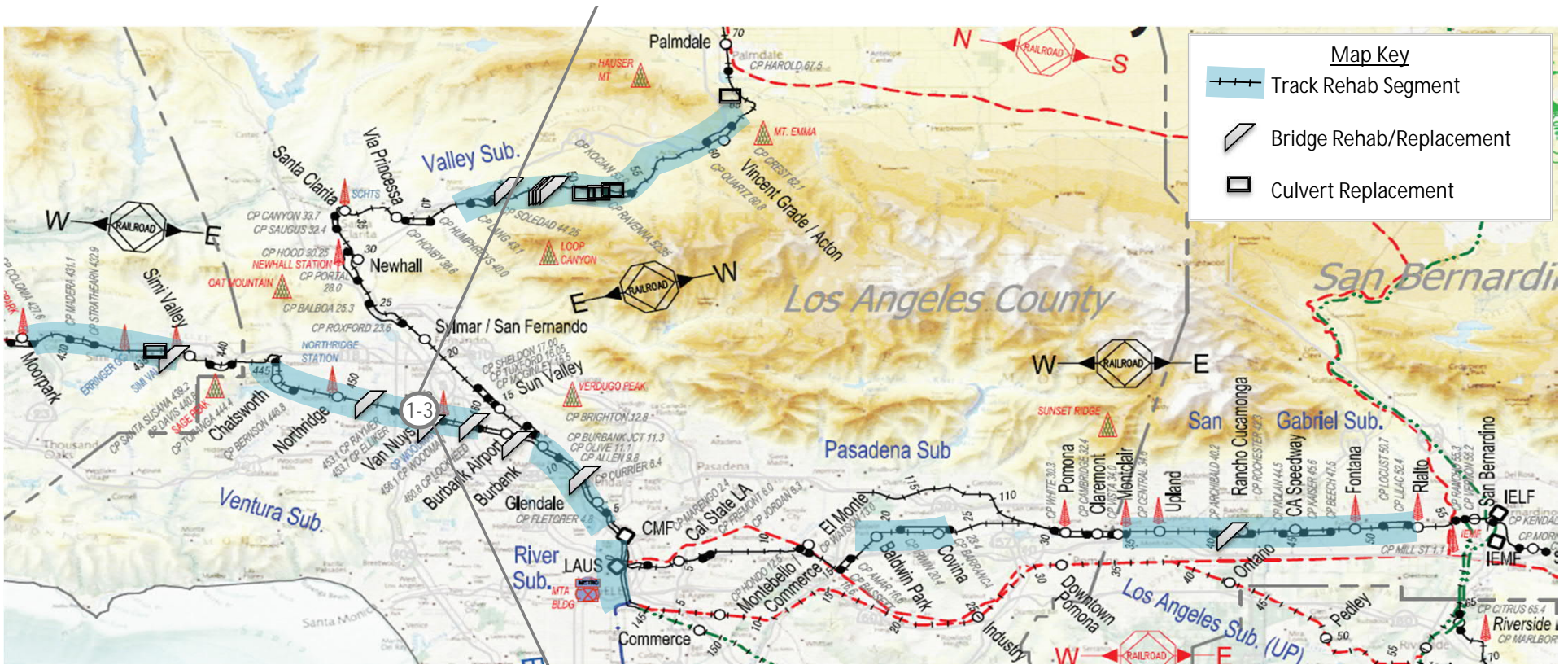
- Finalize detailed schedule and work plans with newly-awarded bridge construction contractor and begin foundation pilings.
- Perform turnout replacement/rehab at CP Woodman & CP Santa Susana; perform tie replacement on Valley Sub.
- Complete final location for rehab of rail curves on Ventura Sub & Lark Ellen crossing on San Gab Sub.

Project Photos & System Map



1,2

Photos:
1 (left): Signal trenching prior to turnout replacement at CP Woodman.
2 (right): Pre-built #10 turnout at CP Woodman.



Cost & Schedule Status by Sub-Project

(Data as of 4/03/19)

Phase A Projects			Cost			Schedule		Status/Issues
Project#	Description	Sub-division	Budget	Committed	Expended	Physical % Complete	In-Service Date	
592110	Replace 7,600 Ties & Rail Curves (MP439.24 & 433.1)	Ventura (Ven Co)	\$2,320,215	\$2,298,865	\$2,265,883	96% ✓	10/31/18	Tie work completed Dec. 2017; rail rehab substantially complete, only LA Ave remains.
592111	Replace Turnout at CP Santa Susana (#20)	Ventura (Ven Co)	\$375,000	\$369,785	\$168,466	25% ✓	5/31/19	Rehab, not full replacement. Re-commence work in March; complete in May 2019.
592112	Rehabilitate Katherine Road Crossing	Ventura (Ven Co)	\$400,000	\$381,875	\$366,816	99% ✓	11/30/18	Successfully completed rehab work in Nov. Final invoice in-process.
592210	Replace Ties (MP444-462), Woodman Turnouts (MP460)	Ventura (LA Co)	\$4,364,419	\$4,315,182	\$3,539,466	83% ✓	4/30/19	Ties & turnout prep work complete; work windows in April w/ Van Nuys station project.
592310	Replace 8,450 Ties (MP46-48, 52-59, 63-64)	Valley	\$2,112,500	\$2,079,144	\$2,047,183	100% ✓	10/28/17	Tie work complete, close-out underway.
592410	Install 9,000 Ties (MP 34-38, 42-45, 47-51, 52-54)	San Gabriel	\$2,250,000	\$2,244,182	\$2,226,757	100% ✓	2/28/18	Work completed in Feb. 2018; Project close-out complete.
592710	Replace LAUS Leads & 5,300 Ties	River - WB	\$1,550,000	\$1,511,159	\$1,487,691	99% ✓	6/30/18	Tie work & Lead 5 replacement complete. Close-out underway.
592711	Replace 2 #20 Turnouts at CP Taylor	River	\$550,000	\$519,032	\$506,999	99% ✓	9/7/18	Turnouts installed in Aug.; project complete, close-out underway.
592712	Replace Rail & Ties	River-EB	\$4,926,600	\$2,410,015	\$2,073,282	96% ✓	12/31/18	Rail rehab & tie work complete under budget. PBR funding to Soto St.
592713	Replace 3 Turnouts	River-EB	\$1,600,000	\$1,594,025	\$1,472,684	99% ✓	12/31/18	All 3 turnouts complete including punchlist; final invoice in-process.
517020	Rail Top Bridge Replacement Design	System-wide	\$475,000	\$465,024	\$455,837	100% ✓	7/27/18	Bridge design plans complete incl. H&H Study; issued IFB in Sept. Closed-out.
592120	Replace Bridge (MP436.96 & 434.12), Culvert (MP436.46)	Ventura (Ven Co)	\$1,476,872	\$528,526	\$207,212	27% ●	12/31/19	Culvert work complete; Bridge contract NTP issued in Jan 2019.
592220	Replace Bridge MP 458.71	Ventura (LA Co)	\$1,800,034	\$388,438	\$62,600	16% ●	12/31/19	Contract NTP in Jan 2019. Dates shifted due to extended contract execution process.

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Phase A Projects (cont.)			Cost			Schedule		Status/Issues
Project#	Description	Sub-division	Budget	Committed	Expended	Physical % Complete	In-Service Date	
592320	Replace Bridge MP 50.64	Valley	\$771,443	\$164,097	\$42,644	16% ●	12/31/19	Contract NTP in Jan 2019. Dates shifted due to extended contract execution process.
592321	Replace Bridge MP 50.51	Valley	\$771,443	\$179,867	\$27,842	16% ●	12/31/19	Contract NTP in Jan 2019. Dates shifted due to extended contract execution process.
592322	Replace Bridge MP 50.77	Valley	\$771,443	\$161,686	\$23,839	16% ●	12/31/19	Contract NTP in Jan 2019. Dates shifted due to extended contract execution process.
592323	Replace Bridge MP 47.45	Valley	\$459,192	\$103,416	\$21,302	16% ●	12/31/19	Contract NTP in Jan 2019. Dates shifted due to extended contract execution process.
592324	Replace Bridge MP 50.46	Valley	\$771,443	\$176,870	\$24,851	16% ●	12/31/19	Contract NTP in Jan 2019. Dates shifted due to extended contract execution process.
592325	Replace Culvert MP 55.91	Valley	\$200,000	\$198,633	\$188,387	99% ✓	12/14/17	Work complete, close-out underway. Remaining funds transferred to Tunnel 25.
592326	Replace Culvert MP 53.84	Valley	\$350,000	\$314,125	\$314,117	100% ✓	12/14/17	Project close-out complete.
592327	Replace Culvert MP 54.13	Valley	\$155,000	\$135,295	\$135,290	100% ✓	12/14/17	Work complete, closed-out. Remaining funds transferred to Tunnel 25.
592328	Replace Culvert MP 66.78	Valley	\$420,000	\$163,235	\$163,221	100% ✓	12/14/17	Project close-out complete.
592420	Rehabilitate Bridge MP 40.12	San Gabriel	\$1,400,000	\$434,314	\$61,568	16% ●	12/31/19	Contract NTP in Jan 2019. Dates shifted due to extended contract execution process.

Phase A Subtotal

\$30,270,605 \$21,136,790 \$17,883,938 73%

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Program Cost Summary by Subdivision

Sub-division	Budget	Committed	Expended	% Spent
Ventura (Ventura Co)	\$4,572,086	\$3,579,051	\$3,008,377	66%
Ventura (LA Co)	\$7,004,453	\$4,867,441	\$3,619,400	52%
Valley	\$18,709,966	\$9,007,436	\$6,103,644	33%
San Gabriel	\$4,049,999	\$2,858,928	\$2,298,591	57%
River (East Bank)	\$6,526,600	\$4,004,040	\$3,545,966	54%
River (West Bank)	\$1,550,000	\$1,511,159	\$1,487,691	96%
River	\$550,000	\$519,032	\$506,999	92%
System-wide	\$475,000	\$465,024	\$455,837	96%
Total	\$43,438,104	\$26,812,109	\$21,026,506	48%