

Public Transportation Modernization, Improvement & Service Enhancement Program (PTMISEA)

Final Project Report

Per G.C. 8879.50 (f)(2) "Within six months of the project becoming operable the recipient agency shall provide a report to the administrative agency . . ." Please provide the following information:

Fiscal Year : 2007-2008

PTMISEA Cycle :

Project Sponsor : METROPOLITAN TRANSPORTATION COMMISSION

Contributing PTMISEA Sponsor :

Project Name : Traction Power Substation Replacement Program

Project Scope

Original Application	Final Project
This program will ultimately replace the 14 traction power substations or TPSS originally installed along the Guadalupe Light Rail Corridor 20 years ago. Two of the 14 stations are already being replaced and this project will replace up to another three substations. The plan calls for four substations to be replaced every five years. The remaining substations will undergo major rehabilitation, as part of the Guadalupe Corridor Rehabilitation Program, until such time as they are replaced under this program.	This program was originally established to replace fourteen (14) traction power substations installed along the Guadalupe Light Rail Corridor. This project completed the full design and replacement of five (5) of the existing TPSS numbered: 01, 03, 04, 05 and 14 . Also a new TPSS was installed at Younger Yard, TPSS #15A. Remaining funds were utilized to complete the design for another seven substations (TPSS numbered 2,6,8,9,10,12 &13). Two of the original power substations remain: TPSS#11 at the spur was not replaced due to uncertainty of the future use of the spur based on changing operating needs; and TPSS #7 was not replaced since this equipment has not reached the end of its useful life cycle.
Original Approved Project Cost	Final Project Cost
99313 :	
99314 :	\$1,350,000
PTMISEA Interest :	\$122,699
PTMISEA transfer from P-0626 :	\$118,606
Other Funds	
Federal :	\$4,050,000
State :	
Local :	
Total Project Cost :	\$5,641,305
Total Project Cost :	\$6,593,741
Original Project Schedule	Final Project Schedule
Begin Environmental :	
End Environmental :	
Begin Design :	Jun-10
End Design :	Feb-11
Begin Right of Way :	N/A
End Right of Way :	N/A
Begin Construction :	Aug-11
End Construction :	Feb-13
Begin Vehicle/Equipment Order :	N/A
End Vehicle/Equipment Order :	N/A
Begin Closeout Phase :	Feb-13
End Closeout Phase :	May-13
Begin Construction :	Jan-13
End Construction :	Mar-15
Begin Vehicle/Equipment Order :	N/A
End Vehicle/Equipment Order :	N/A
Begin Closeout Phase :	Jul-17
End Closeout Phase :	Dec-17
Anticipated Performance Outcome	Actual Performance Outcome
The expected performance outcome with this project with the replacement of three substations will be a reduction of operating/maintenance cost and Increase System Reliability.	The completion of this project achieved a 19% reduction in operating and maintenance costs and a 74% increase in system reliability.
Increased Ridership N/A	Increased Ridership by N/A
Reduced Oper/Maint Cost by 20%	Reduced Oper/Maint Cost by 19%
Reduced Emissions N/A	Reduced Emissions by N/A
Increased System Safety by 60%	Increased System Safety by 74%

**Performance Outcomes
Description/Improvement
Percentages**

Signature:

Name and Title

Date

Please include verification of the project completed as scoped by providing evidence of completion such as a photo and/or invoice of acquisition.