

INPUTS

Project Information	
Name:	Traffic Signal Timing Optimization
Application ID Number:	N/A
Sponsor ID Number (CSJ, etc.):	N/A
Project County	Harris

Data entered by the sponsor
Data populated/calculated
HGAC regional travel demand
Benefits calculated by the model

Proposed Improvements Information	
Year Open to Traffic? (Must be >=2021)	2021
Type of Improvement	ITS Infrastructure
Type of Facility	Non-Freeway
Total Length of Corridors Effected by Project (miles)	8
Average Roadway Speed Before Improvement (mph)	19
Average Roadway Speed After Improvement (mph)	25
Service Life of Project (from MoSERS)	12

Daily Travel Demand	
Total 2018 Daily Traffic Volume for Corridors Effected by project	19,758
Total Estimated 2025 Daily Traffic Volume for Corridors Effected by project	22,276
Total Estimated 2045 Daily Traffic Volume for Corridors Effected by project	25,416

OUTPUTS

Benefit Results	
Discounted NOx Benefits @ 7% (2018 \$)	\$12,444
Discounted VOC Benefits @ 7% (2018 \$)	\$1,641

Total Emissions Benefit Results	
Discounted Emissions Benefits @ 7% (2018 \$)	\$14,085

Total Emissions Reductions	
NOx Emission Reductions (tons)	2.89
VOC Emission Reductions (tons)	1.50