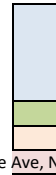


## INPUTS

Project Identification	
Project Title:	Traffic Signal Timing Optimization Program
County	Harris
Facility Type	Non Freeway
Street Name:	Bellaire, Bissonnet, S Rice Ave, N
Limits (From)	City Limits
Limits (To)	City Limits
Length (in Miles)	8.4
Application ID Number:	N/A
Sponsor ID Number (CSJ, etc.):	N/A



Data entered by the sponsors  
 HGAC regional travel demand model data provided by HGAC  
 Data populated/calculated based on inputs  
 Benefits calculated by the template

Proposed Improvements Information	
Year Open to Traffic? (Must be >=2021)	2021
Type of Improvement	Signal Operations & Management
Estimated Delay Reductions (in %)	20%
Service Life (years):	10

Interim Calculations for Delay Reductions	
Estimated Free flow Travel Time (in Hrs)	0.3111
Estimated Average Travel Time without project (in Hrs)	0.4421
Estimate Average Delay without project (in Hrs)	0.1310
Estimate Delay Reduced	0.0262
Estimated Delay with project	0.1048
Average Peak Travel Time with project	0.4159

Daily Travel Demand	
2018 ADT	19758

2018 Peak Period Traffic Volume	8,496
Peak Period Traffic Volume in Year Open to Traffic	9,671

VHT Improvements	With Project	Without Project
VHT (Daily) In year open to traffic	4,022	4,275

Estimated Free Flow Speed before improvement	27
Average Peak Period Corridor Speed before improvement	19
2018 Peak Period Traffic Volume	8,496
2018 Peak Period Roadway Capacity	21,743
Estimated 2025 Peak Period Traffic Volume	11,493
2025 Peak Period Roadway Capacity	21,743
Estimated 2045 Peak Period Traffic Volume	13,446
2045 Peak Period Roadway Capacity	21,743

## OUTPUTS

Benefit Results	
Discounted Delay Benefits @ 7% (2018 \$, '000s)	\$13,379