

## INPUTS

Project Identification	
Project Title:	SH99 at Peek Road
County	Fort Bend
Facility Type	Freeway
Street Name:	SH99
Limits (From)	south of Bellaire
Limits (To)	north of Bellfort
Length (in Miles)	2
Application ID Number:	265
Sponsor ID Number (CSJ, etc.):	---

	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? <b>(Must be &gt;=2021)</b>	2022
Type of Improvement	Grade Separation
Estimated Delay Reductions (in %)	20%
Service Life (years):	30

Interim Calculations for Delay Reductions	
Estimated Free flow Travel Time (in Hrs)	0.0333
Estimated Average Travel Time without project (in Hrs)	0.0667
Estimate Average Delay without project (in Hrs)	0.0333
Estimate Delay Reduced	0.0067
Estimated Delay with project	0.0267
Average Peak Travel Time with project	0.0600

Daily Travel Demand	
2018 ADT	70511

2018 Peak Period Traffic Volume	31,730
Peak Period Traffic Volume in Year Open to Traffic	39,195

VHT Improvements	With Project	Without Project
VHT (Daily) In year open to traffic	2,352	2,613

Estimated Free Flow Speed before improvement	60
Average Peak Period Corridor Speed before improvement	30
2018 Peak Period Traffic Volume	31,730
2018 Peak Period Roadway Capacity	50,522
Estimated 2025 Peak Period Traffic Volume	45,926
2025 Peak Period Roadway Capacity	61,780
Estimated 2045 Peak Period Traffic Volume	69,855
2045 Peak Period Roadway Capacity	61,780

## OUTPUTS

Benefit Results	
Discounted Delay Benefits @ 7% (2018 \$, '000s)	\$32,285