

H-GAC VOLUME PROJECTIONS FOR MONT BELVIEU TIP APPLICATION PROJECTS

Project	2018 PkPeriod Vol	2018 24Hr Vol	2018 PkPeriod Cap	2025 PkPeriod Vol	2025 24Hr Vol	2025 PkPeriod Cap	2045 PkPeriod Vol	2045 24Hr Vol	2045 PkPeriod Cap	Estimated FFSpd (2018)	Avg Corrdor Spd (2018)
1. Cotton Bayou Trail - from Southeast corner of Mont Belvieu City park to IH 10 (North of I10)	3,075	6,167	7,742	3,573	7,504	7,742	5,313	12,589	7,742	54	35
2. Perry Avenue - from 1/2 mile east of Lake Champions Blvd to FM 565	594	1,067	10,360	1,433	2,455	10,360	5,322	10,042	10,360	54	50
3. Langston Blvd Extension - from Franklin Dr to Future SH 99	2,351	4,579	10,360	3,426	6,783	10,360	9,179	15,302	10,360	54	49
4. FM 565 widening to 4 lanes - from Future SH 99 to Eastern City Limits	8,364	21,547	10,360	7,280	20,943	10,360	8,523	24,476	10,360	54	30
5. Traffic Management Center (south of IH 10 to 565)	4,057	7,572	19,908	2,100	4,146	19,908	6,050	12,821	19,908	59	56
6. Lake Champions Blvd widening to 4 lanes - from Cotton Bayou bridge to Perry Avenue	4,490	7,428	10,360	3,993	7,000	19,908	11,512	20,940	19,908	54	48
7. SH 146 Access Management - from IH 10 to Lynchburg Canal	6,141	13,073	20,510	7,110	14,343	20,510	14,666	27,059	20,510	59	51

2018 Call for Projects Benefit Cost Analysis Questions (All Investment Categories)

1. Safety Benefits **\$54,990,000**
2. Delay Benefits: **\$2,837,000**
3. Emissions Benefits: **\$0**
4. Additional BCA Documentation (Optional)
5. Additional BCA Documentation (Optional)
6. Please provide a brief narrative describing the methodology, input data and results. (Optional)
Data provided by H-GAC (attached). The cost estimation includes items related to the construction of a raised median and two sidewalks over the length of the corridor.

Total Benefits: **\$57,827,000**

Total Cost: **\$6,483,984**

B/C: **8.92**