

PLANNING COMMISSION ACTION

2011-11 *Burney Road*

APPLICANT: Fort Bend County & Planning and Development Department, City of Houston

KEY MAP: 528W, 568A, E
JURISDICTION: ETJ, Fort Bend County

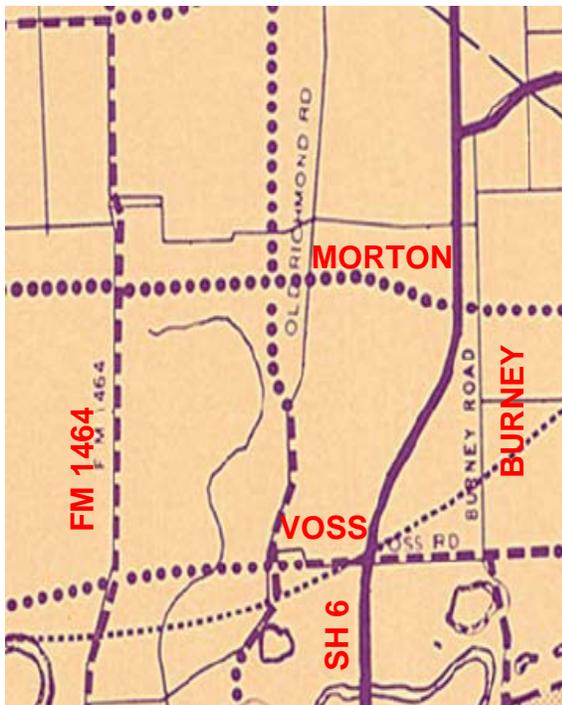
LAMBERT: 4652, 4752, 4753
DISTRICT/PRECINCT: County Pct. 3

PROPOSAL:

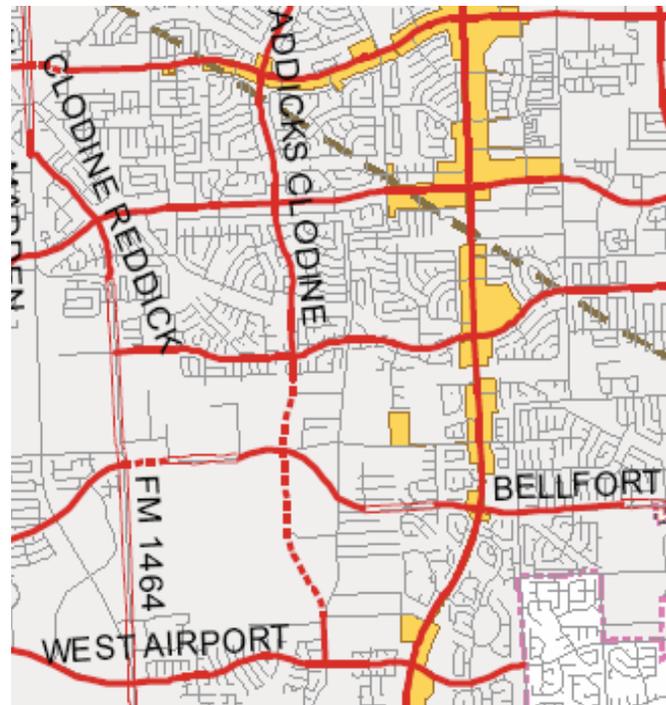
To add Burney Road between West Belfort Street and City of Houston (COH) Extraterritorial Jurisdiction (ETJ) as a major thoroughfare/collector. Fort Bend County's MTFP already reflects this alignment as a major thoroughfare.

JUSTIFICATION & HISTORY:

Portion of Burney Road, north of Voss Road was first included within the Planning Commission Jurisdiction in 1976. The roadway was never designated as a thoroughfare. Burney Road south of West Belfort Street is identified as a major thoroughfare on Fort Bend County's (FBC) Major Thoroughfare Plan (MTP). The existing two lane roadway extends to US 90 approximately 3 miles south of West Belfort Street. South of US 90 the street extends as Bay View Drive and Sugar Lake Drive to US 59 and then aligns with Williams Trace Boulevard. The right-of-way (ROW) for Burney Road between West Belfort Street and Voss Road varies between 90' and 100'. The ROW for Burney Road south of Voss Road which is outside City of Houston's (COH) Extraterritorial Jurisdiction (ETJ) and varies between 60' and 80'.



1972 MTFP



2009 MTFP

PLANNING COMMISSION ACTION

STAFF RECOMMENDATION:

Add Burney Road between West Bellfort Street and City of Houston (COH) Extraterritorial Jurisdiction (ETJ) as a sufficient width major collector to Houston's MTFP.

JUSTIFICATION:

Burney Road is a 3-mile long two-lane roadway that runs parallel to SH 6 between West Bellfort Street and US 90A. It is classified as a major thoroughfare on City of Sugarlands and Fort Bend County's Major Thoroughfare Plan. The Travel Demand Model projections, generated from Fort Bend County's subregional model, indicate a 61% increase in Average Daily Traffic along Burney Road between Voss Road and West Airport Boulevard from approximately 11,400 in the year 2011 to 18,300 in 2026.

Wodbridge of Fort Bend County, a residential subdivision to the west, was platted with a 25 feet building setback for the single family residential homes backing along Burney Road. However lots in the Townewest subdivision to the east side, is an older single family residential subdivision with some residences set back 10' from Burney.

Burney Road is classified as a major thoroughfare on Fort Bend County's and City of Sugar Land's Major Thoroughfare Plan. Given the adequate right-of-way to improve the street to four lane roadway and single family residential lots backing to the street within 25', staff recommends classifying the roadway as a major collector.

MOBILITY:

Burney Road is a 3-mile long two-lane roadway that runs parallel to SH 6 between West Bellfort Street and US 90A. It is spaced approximately 0.7 miles west of SH 6 at Voss Road. The build-out scenario in 2026 allows us to understand the future conditions taking into account the thoroughfare network in the study area. The Travel Demand Modeling results, from the FBC Sub-Regional Model, for Burney Road indicate:

- 61% increase in ADT for Burney Road from Voss Road to West Airport Boulevard. The ADT in this segment increases from 11,398 in 2011 to 18,319 in 2026.
- The ADT for Burney Road between West Airport Boulevard and Florence Road increases by 51% from 2011 to 2026.
- The ADT for Burney Road between US 90 A to Jess Pirtle Boulevard decreases from 23,356 in 2011 to 18,116 in 2026. This represents a 22% reduction in ADT.

PLANNING COMMISSION ACTION:

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PLANNING COMMISSION ACTION

AVERAGE DAILY TRAFFIC COMPARISON IN BURNEY RD				
STREET	SEGMENT	2011	2026	% Change
FM 1464	W. Bellfort to W. Airport	20,479	25,077	22%
FM 1464	W. Airport to Old Richmond	11,485	20,420	78%
Old Richmond	FM 1464 to Voss	12,799	16,769	31%
Old Richmond	Voss to W. Airport	8,608	18,050	110%
Old Richmond	W. Airport to W. Bellfort	15,487	22,643	46%
SH 6	US 90 A to University	N/A	52,999	N/A
SH 6	University to Voss	N/A	52,720	N/A
SH 6	US 90 A to Voss	26,423	N/A	N/A
SH 6	Voss to W. Airport	34,856	52,657	51%
SH 6	W. Airport to W. Bellfort	32,266	55,548	72%
Burney	US 90 A to Jess Pirtle	23,356	18,116	-22%
Burney	Jess Pirtle to University	N/A	21,595	N/A
Burney	University to Voss	N/A	26,966	N/A
Burney	Jess Pirtle to Voss	20,004	N/A	N/A
Burney	Voss to W. Airport	11,398	18,319	61%
Burney	W. Airport to Florence	10,191	15,392	51%
Burney	Florence to W. Bellfort	9,706	13,882	43%
Voss	Old Richmond to SH 6	16,405	23,315	42%
Voss	SH 6 to Burney	8,882	15,419	74%
W. Bellfort	Burney to SH 6	24,485	40,941	67%
W. Bellfort	SH 6 to Old Richmond	9,443	14,545	54%
W. Bellfort	Old Richmond to Clodine	11,585	17,894	54%
W. Bellfort	Clodine to FM 1464	9,780	12,259	25%
W. Airport	Burney to SH 6	21,261	26,642	25%
W. Airport	SH 6 to Old Richmond	31,505	42,665	35%
W. Airport	Old Richmond to FM 1464	21,759	34,460	58%

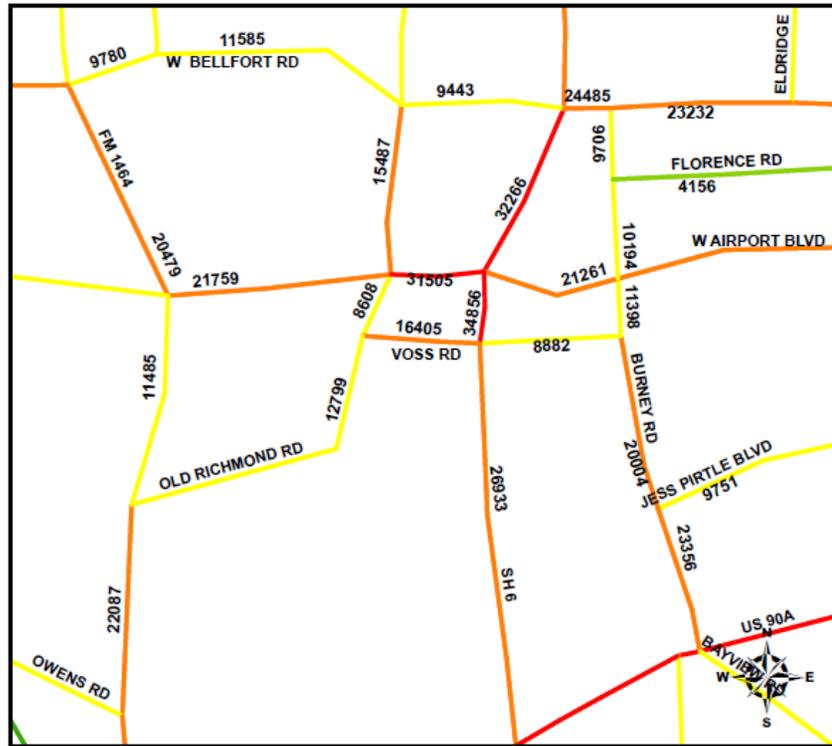
PLANNING COMMISSION ACTION

Burney Road Average Daily Traffic (ADT)

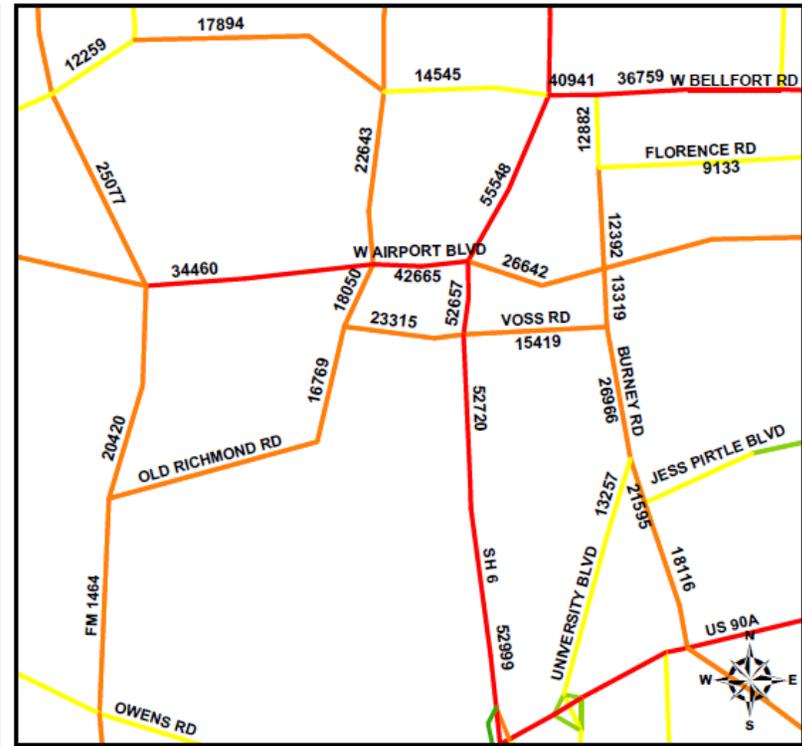
ADT

0 - 1500 1501 - 5000 5001 - 15000 15001 - 30000 30001 - 321339

2011



2026



Planning & Development Department



2011 Special MTFPA Requests: Fort Bend County

Burney Rd.

COH Staff Recommendation

- Add Major Collector
- COH MTFP 2010**
- Proposed Freeway
- TBW Freeway
- Freeway
- Major Thoroughfare
- TBW Major Thoroughfare
- Proposed Major Thoroughfare
- Major Collector
- TBW Major Collector
- Proposed Major Collector
- Transit Corridor Street
- Proposed Grand Parkway

Fort Bend County MTP

- INTERSTATE
- TOLL
- STATE
- FM
- PUBLIC MAJOR THOROUGHFARE
- PROPOSED TOLL
- PROPOSED STATE
- PROPOSED FM
- PROPOSED CITY AND COUNTY
- Waterway
- City Limits
- Limited Purpose Annexation
- Houston ETJ
- Houston ETJ Line
- County

