

PLANNING COMMISSION ACTION

2011-10 Voss Road

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

KEY MAP: 567C, G, H, 568E

LAMBERT: 4652, 4752

JURISDICTION: ETJ, Fort Bend County

DISTRICT/PRECINCT: County Pct. 4

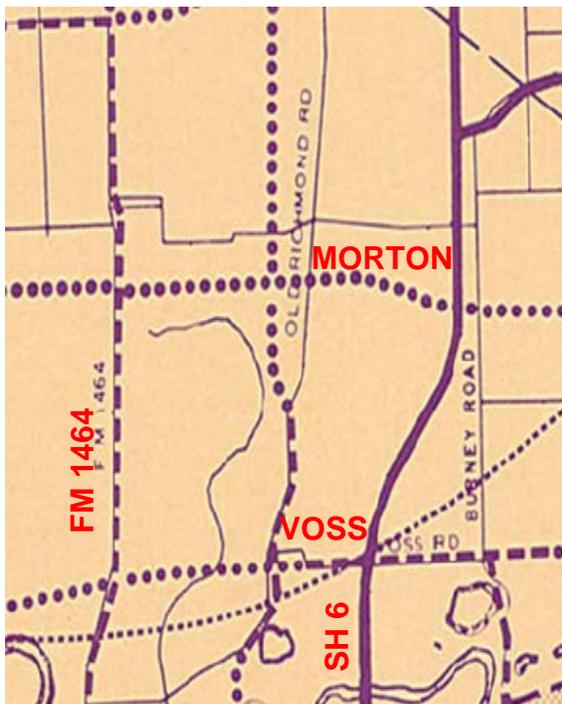
PROPOSAL:

To add Voss Road between Old Richmond Road and Burney Road as a major thoroughfare/collector to Houston's MTFP. Fort Bend County's MTFP already reflects this alignment as a major thoroughfare.

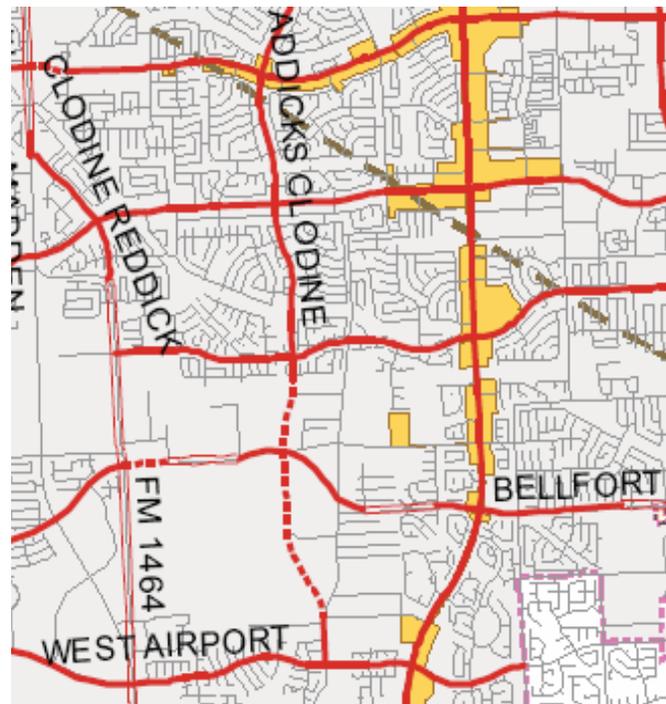
JUSTIFICATION & HISTORY:

Portion of Voss Road east of Old Richmond Road was first included within Planning Commission Jurisdiction in 1972 as a major thoroughfare. Later in 1976 most of the proposed alignment of Voss Road was included within the Extraterritorial Jurisdiction (ETJ) however the east-west thoroughfare is realigned north of Voss.

Voss Road is identified as a major thoroughfare between Old Richmond Road and Burney Road on Fort Bend County's (FBC) Major Thoroughfare Plan (MTP). The existing ROW for Voss Road is approximately 100'. The length of the street is approximately 1.4 mile long and is improved as a four lane boulevard.



1972 MTFP



2009 MTFP

PLANNING COMMISSION ACTION

STAFF RECOMMENDATION:

Add Voss Road between Old Richmond Road and Burney Road as a sufficient width major collector to Houston's MTFP.

JUSTIFICATION:

Voss Road is a 1.3 miles long segment which is currently improved as 4-lane boulevard roadway within a 100 foot wide right-of-way. Even though Voss Road is constructed to major thoroughfare standards, since it was not previously designated as a major thoroughfare, most of the single family residential homes backing along Voss Road were platted without a 25 feet building setback.

The Travel Demand Model projections, generated from Fort Bend County's subregional model, indicates a 74% and 42% increase in Average Daily Traffic along Voss Road east and west of State Highway 6 from the year 2011 to 2026. Given the short length of the segment and existing single family residential subdivisions along Voss Road staff recommends designating Voss Road as a sufficient width major collector.

MOBILITY:

Voss Road a 1.3 miles long 4-lane boulevard approximately 0.35 mile south of West Airport Boulevard. Currently US 90A serves as the major east-west thoroughfare spaced approximately 2.5 miles from West Airport Boulevard FM 1464 and SH 6 are the primary north-south thoroughfares spaced approximately 2 miles apart. The spacing of the thoroughfare network exceeds the standard one-mile spacing due to the presence of Oyster Creek and Sugar Land Regional Airport.

The build-out scenario in 2026 allows us to understand the future conditions taking into account the thoroughfare network within the study area. The FBC Sub-Regional Travel Demand Model (TDM) results for Voss Road are as follows:

- 42% increase in ADT for Voss Road from Old Richmond Road to SH 6. The ADT in this segment increases from 16,405 in 2011 to 23,315 in 2026.
- The ADT for Voss Road between SH 6 and Burney Road increases by 74% from 2011 to 2026.
- Based on the Sub Regional Model, the ADT for Burney Road decreases from 23,356 in 2011 to 18,116 in 2026. This represents a 22% reduction in ADT.

PLANNING COMMISSION ACTION:

Add Voss Road between Old Richmond Road and Burney Road as a sufficient width major collector.

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AVERAGE DAILY TRAFFIC COMPARISON - VOSS ROAD				
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%

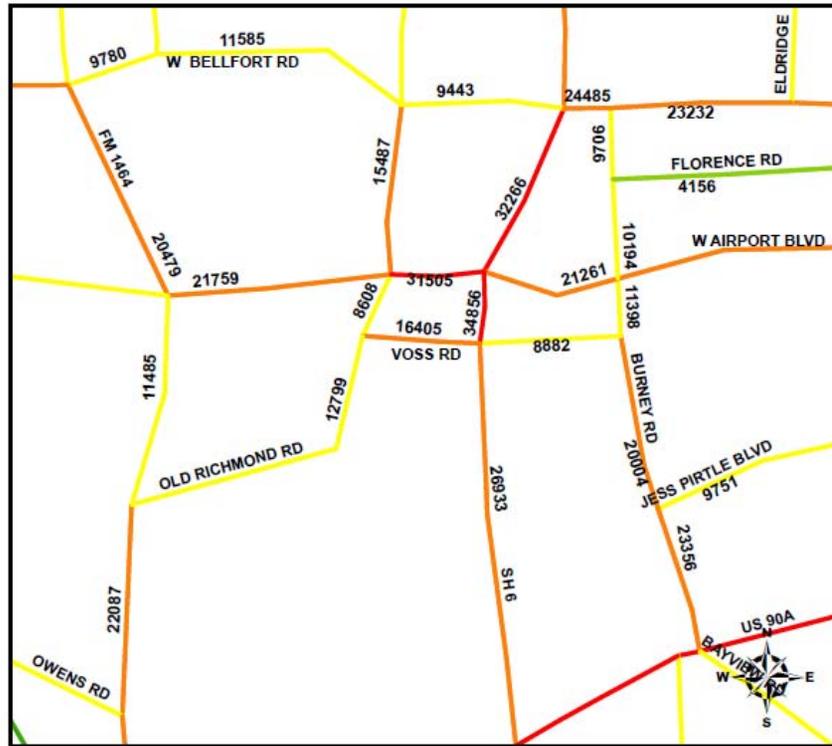
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Voss Road Average Daily Traffic (ADT)

ADT

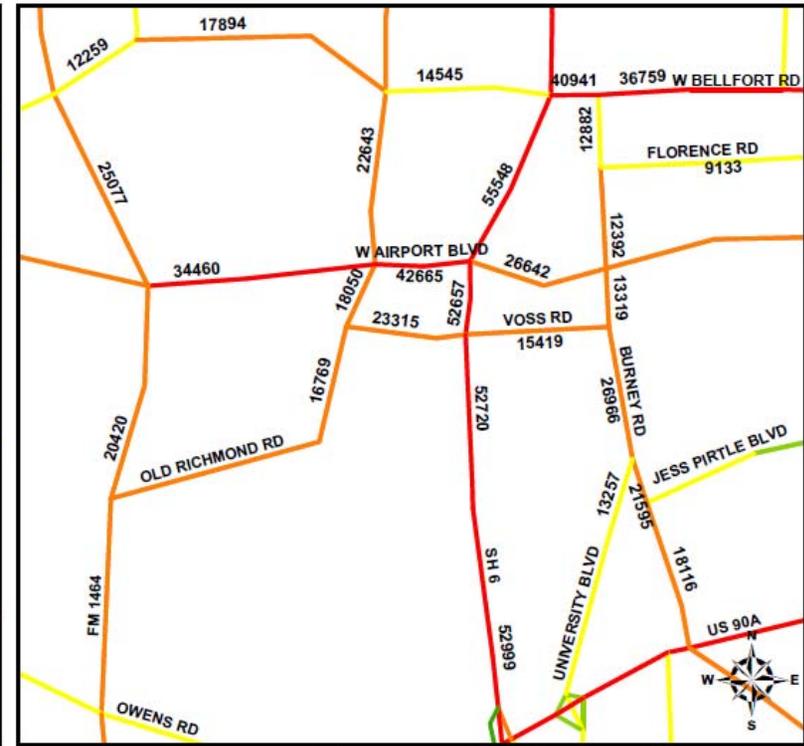
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2011



0 0.5 1 Miles

2026



Planning & Development Department



2011 Special MTFPA Requests: Fort Bend County

Voss 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

