



8350 EASTEX FREEWAY, BEAUMONT, TEXAS 77708 | 409.892.7311 | WWW.TXDOT.GOV

## Hatcherville Rd Functional Classification Change

Mr. Craig Raborn, MPO Director  
Houston-Galveston Area Council  
P.O. Box 22777  
Houston, Texas 77277-2777

Dear Mr. Raborn:

Attached for your review and approval is the functional classification (FC) request to change Hatcherville Rd in Chambers County to a Major Collector. Currently Hatcherville Rd is unclassified, but with the growing communities and economic growth AADT of this roadway has now reached the point of warranting classification. Chambers Co. will be constructing a project along this roadway from FM1942 N to the Liberty Co. Line to relieve congestion. As seen in the letter from the county their current proposed thoroughfare plan proposes to connect Hatcherville Rd to SH99 just North of the Liberty Co. Line to achieve this relief along SH146 and FM1942.

TXDOT and MPO staff have evaluated this request and find it to be needed and in line with FHWA functional classification procedures. Attached is a letter from the County stating the need for this project and requesting FC. This letter includes a project location map. Please contact Mr. Cory Taylor at (903) 932-4459 if there are additional questions.

Sincerely,

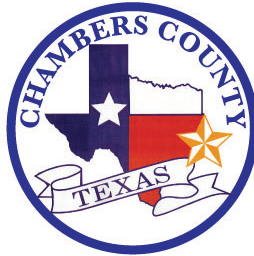
Mr. James Horne, P.E.  
Design Engineer  
Beaumont District

### Attachments

cc: Mrs. Lisa Collins, P.E. (Director of TP&D – Beaumont District)  
Mr. Cory Taylor, P.E. (Chambers County Engineer)

# Office of the Chambers County Engineering Department

Cory W. Taylor  
409/267-2708  
Fax# 409/267-4499



P.O. Drawer H  
Anahuac, TX. 77514

April 11, 2024

To Whom it May Concern  
Beaumont District  
8350 Eastex Frwy  
Beaumont, Texas 77008-1701

Chambers County is requesting your review of the Functional Classification (FC) request to add Hatcherville Rd in Chambers County as a Major Collector. Currently, Hatcherville Rd is an unclassified FEMA roadway and there is no record of previous traffic counts. As I am sure you are aware the growth in West Chambers County has been rapid over the last decade. There has been several factors that have contributed to this including the expansion of Cedar Bayou as a maritime highway, the completion of the SH 99 The Grand Parkway and the expansion of the Houston shipping channel. These factors combined with the expansion of the industrial plants along Hatcherville Roadway has led to a large growth in average daily traffic along this corridor. Chambers County is currently working on updating our thoroughfare plan. By evaluating the thoroughfare, it has come to our attention the ADT of this corridor has grown to 8000 vehicles a day. Part of Chambers County Thoroughfare Plan currently in progress proposes to use Hatcherville Rd to relieve congestion on FM 1942 and SH 146 by connecting Hatcherville Rd to SH99 just North of the Liberty County Line. This could redirect thousand of vehicles to SH 99. This would grow toll revenue, greatly enhance Regional Goods Movement in Southern Liberty County and provide for congestion relief to SH 146 by shifting trucks to the SH99.

The segment for functional classification addition is listed below:

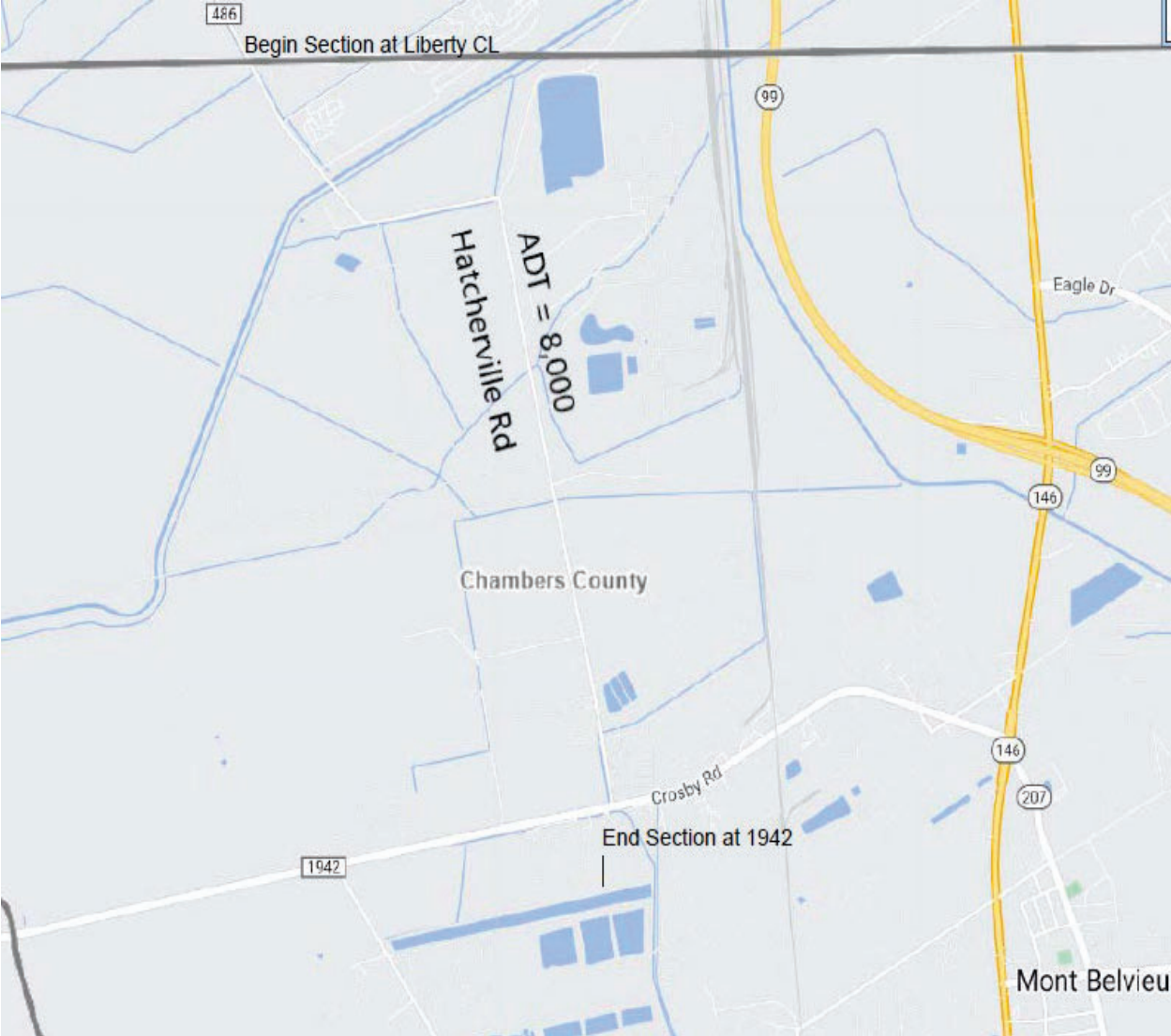
Roadway	County	From	To	# of Lanes	Linear Length	Existing FC SWPM	Proposed FC Change
Hatcherville Rd	Chambers	FM 1942	Liberty Co Line	2	2.25 miles	NA	Major Collector (5)

Please see a vicinity map showing the segments to be added to FC system and the approved new project limits. Please contact Mr. Cory Taylor at (903) 932-4459 if you have any questions.

Sincerely,

A handwritten signature in black ink, reading "Cory W. Taylor, P.E.", is placed over a light gray rectangular background.

Cory W. Taylor, P.E.  
Chambers County Engineering  
Chambers County





P.O. BOX 1386, HOUSTON, TEXAS 77251-1386 | 713.802.5000 | WWW.TXDOT.GOV

February 12, 2024

Mr. Craig Raborn, MPO Director  
Houston-Galveston Area Council  
P.O. Box 22777  
Houston, Texas 77227-2777

RE: Functional Classification Change for I-10 West Frontage Road

Dear Mr. Raborn:

Attached for Transportation Policy Council consideration is a request to functionally classify a new location section of frontage road along Interstate 10 in Waller County from FM 359 to Cane Island Parkway as a MAJOR COLLECTOR.

This new location roadway includes 2, two-lane frontage roads (east bound and west bound) for approximately 6.06 miles with an estimated cost of \$54.45 million. The project was selected and funded, in part, by TPC funding as part of the Regional Goods Movement category in the 2023 H-GAC Call for Projects. It's expected to let in FY 2026.

Upon completion, this project will facilitate regional goods movement, as well as enhance mobility, safety, and accessibility from the residential and warehouse industry developments along IH-10 corridor in Katy-Brookshire area. It will also be an alternative route for IH-10 main lanes if they are severely congested or shut down due to accidents or any reason.

Because IH-10 EB Frontage Road between Pederson Road is already in the functional classification system, the segments being requested for classification is slightly shorter than the TPC approved new project. They will fill in the gap of the frontage road system in Waller County on IH-10 W. The segments for functional classification addition are listed below:

Roadway	County	From	To	# of Lanes	Linear Length	Existing FC SWPM	Proposed FC Change
IH-10 Frontage Rd <b>Eastbound</b>	Waller	FM 359	Pederson Road	2	4.00 miles	NA	Major Collector (5)
IH-10 Frontage Rd <b>Westbound</b>	Waller	Fort Bend County Line	FM 359	2	5.56 miles	NA	Major Collector (5)

TxDOT and MPO staff have evaluated the request and found it to be consistent with FHWA's Highway Functional Classification Concepts, Criteria, and Procedures (2023 Edition). Attached are a list of the criteria that staff evaluated to make this request and the supporting documents. Please contact Mr. Shixin "David" Gao at (713) 802-5684 if you have any questions.

OUR VALUES: *People • Accountability • Trust • Honesty*

OUR MISSION: *Connecting You With Texas*

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Mr. Craig Raborn

2

February 12, 2024

Sincerely,

DocuSigned by:

**Catherine McCreight, MBA, MA**

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Catherine McCreight, MBA, MA  
Director of District Transportation Planning  
Houston District

Attachments

Cc: Mr. Shixin "David" Gao

## Roadway Classification Justification

TxDOT Houston District proposed for a new construction of 2 Two-Lane Frontage Roads on new locations (eastbound and westbound), and the new roadways will fill in the gap of the frontage road system on IH-10 between FM 359 in Waller County and Cane Island Parkway in Fort Bend County. TxDOT submitted this project during H-GAC's 2023 Project Selection Process under the Regional Goods Movement (RGM) category. This project was selected and approved for funding by the TPC in 2023. However, there is a gap in TxDOT functional classification system on IH-10 W frontage roads in Waller County for eastbound from FM 359 to Pederson Road and westbound from Fort Bend County Line to FM 359 (shown on the attached map). The said gap portion of IH-10 frontage road is being recommended for a roadway functional classification of a **Major Collector**. This proposed classification will maintain and connect the existing functional classification in the Katy-Brookshire area.

This newly approved construction project is currently not in the Houston-Galveston Area Council (H-GAC) 2045 Regional Transportation Plan (RTP). However, TxDOT Traffic Projections show that the said frontage roads will carry 17,000 daily traffic volumes by 2045, depending on segment locations. This project has two CSJ numbers because it covers both Waller County and Fort Bend County. CSJ 0271-04-093, MPO ID 19023, will "CONSTRUCT 2 TWO-LANE FRONTAGE ROADS ON NEW LOCATION" from FM 359 to Fort Bend County Line, approximately 5.75 miles, estimated cost for this segment is \$50.75 million; CSJ 0271-05-052, MPO ID 19024, will "CONSTRUCT 2 TWO- LANE FRONTAGE ROADS ON NEW LOCATION" from Fort Bend County Line to Cane Island Parkway, approximately 0.31 miles, estimated cost for this segment is \$3.70 million. Estimated total cost for this entire project is \$54.45 million, total approximately 6.06 miles, with an estimated let date 08/01/2026. Upon completion, this project will enhance mobility, safety, and accessibility from the subdivision and warehouse developments along IH-10 W. It will also be an alternate route for IH-10 main lanes if they are severely congested or shut down due to accidents or any reason.

**Evaluation Criteria Based on FHWA's Highway Functional Classification Concepts, Criteria and Procedures,  
2023**

<b>Criteria</b>	<b>Answer</b>
<b>Facility Name</b>	<b>IH-10 West Frontage Road</b>
<b>Limits</b>	FM 359 to Pederson Rd (Eastbound) and Fort Bend County Line to FM 359 (Westbound)
<b>Length</b>	4.00 miles for Eastbound and 5.56 miles for Westbound
<b>Roadway Description</b>	Construct 2 Two Lane Frontage Roads on New Location (Eastbound and Westbound)
<b>CSJ # if applicable</b>	0271-04-093 & 0271-05-052
<b>MPOID # if applicable</b>	19023 & 19024
<b>Entity initiated this request</b>	TxDOT Houston District
<b>County that Roadway is located</b>	Waller County
<b>Urban or Rural</b>	Rural, just outside the boundaries of 2020 Adjusted Urbanized Area of a large metro area with 7.5 million population
<b>Number of Lanes</b>	2 lanes each direction
<b>Bi-directional</b>	Yes
<b>Current Functional Classification</b>	N/A
<b>Proposed Functional Classification</b>	Major Collector (5)
<b>Current AADT</b>	Not Built yet, no existing AADT. TxDOT's 2020 Traffic Projections for I-10 W suggests that if this frontage road opens in 2025, its 2025 daily AADT is approximately 12,400. See <b>Appendix A</b> for Traffic Projections data.
<b>Freight Percentage</b>	Not Built yet, no existing freight percentage data. TxDOT 2020 Traffic Projections for I-10 W shows that if this frontage road opens in 2025, 19.4% of its traffic will be freight trucks. See <b>Appendix A</b> for more details.
<b>Future or Proposed AADT</b>	TxDOT's Traffic Projections for I-10 W suggests that if this frontage road opens to traffic in 2025, its 2045 and 2055 AADTs will be 16,800 and 19,000. See <b>Appendix A</b> for Traffic Projections data.
<b>Is roadway section in current RTP</b>	No, this segment of frontage road is currently not in RTP.
<b>Is roadway section in STIP?</b>	Currently No. However, this construction project has been selected for funding by H-GAC's TPC in 2023 for letting in FY 2026, and these frontage roads should be pending in the May 2024 STIP revision cycle.

Criteria	Answer
<b>Facility Name</b>	<b>IH-10 West Frontage Road</b>
<b>On Regional Evacuation Route</b>	Yes
<b>On National Highway System</b>	No. This new segment of I-10 frontage road is not on NHS.
<b>Land Use / Development</b>	Currently, north side of the I-10 is mainly warehouse industry development, with 24 warehouse buildings, total nearly 8.5 million square feet. See Table 1, Figure 1, and Table 2 for existing condition. H-GAC's Regional Land Use Model predicted the Warehouse industry development will continue into 2045 along the both sides of the I-10. See the attached maps 3 - 5.
<b>Access vs. Mobility</b>	The proposed facility will primarily provide accessibility function to the adjacent residential, warehouse industry, and business developments and let the traffic access and exit interstate freeways and other arterials. The roadway will also offer medium level mobility function. It will serve as an alternate route when the IH-10 main lanes become severely congested or entirely shut down due to accidents or extreme weather or any reason.
<b>Access Points</b>	Eastbound on S side, access points from FM 359 include Woods Rd, 4 access points from warehouse developments, I-10 exit ramp, Igloo Rd, FM 2855, and Pederson Rd; West bound on N side, access points, from Cane Island Pkwy, include I-10 exit ramp, 8 access points from warehouse industry, Pederson Rd, FM 2855, Igloo Rd, I-10 exit ramp, Woods Rd, and FM 359.
<b>Speed Limit</b>	40 mph
<b>Route Spacing</b>	Frontage Roads along I-10 West. 0.5-1.0 mile of route spacing with US 90 on the North of I-10 W.
<b>Local, Regional, or/and Statewide Significance</b>	The proposed facility will be highly significant to Brookshire-Katy area, medium significant to the region, while I-10 mainlanes are highly significant to Texas and the Nation.
<b>System Continuity</b>	Functional classification network currently has a disconnected gap for Major Collector between FM 359 & Pederson Rd on eastbound and between Cane Island Pkwy and FM 359 on westbound. This proposal will fill in the said gap of the frontage road functional classification system. See the attached map.
<b>Existing or Anticipated Types of Vehicles</b>	Because the major land use and developments in the surrounding area are residential, business/commercial and warehouse industrial, while most of the vehicles are expected to be passenger cars, the proposed Major Collector roadway will see nearly 20% freight trucks.



### Map 1: Proposed Major Collector Addition to Functional Classification

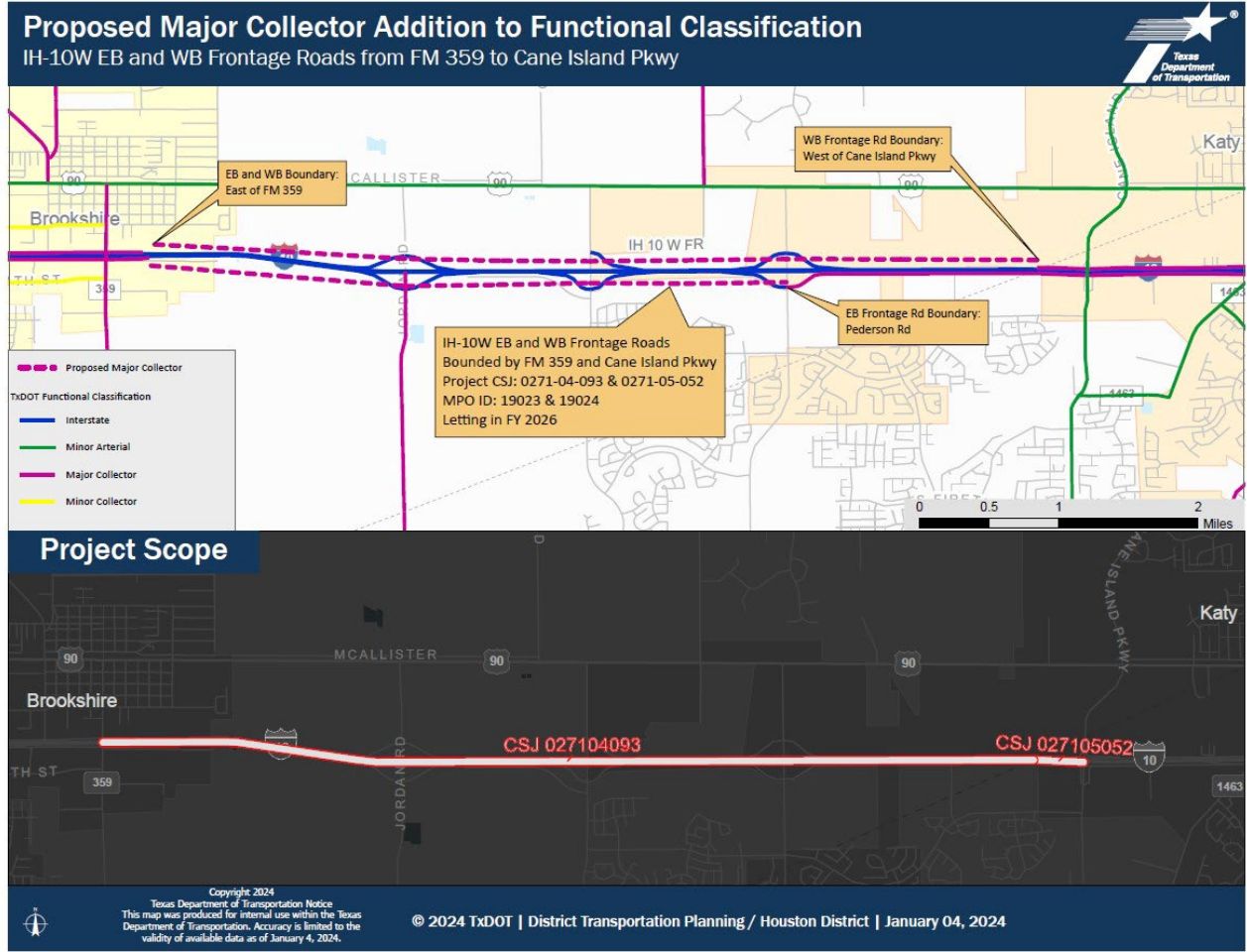
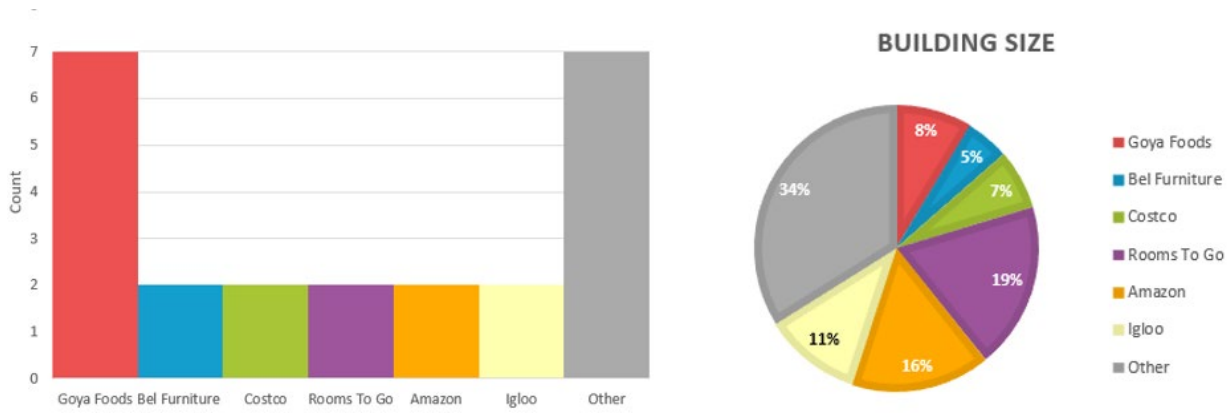


Table 1: Existing Big Warehouse Buildings and Their Sizes (Total 24 buildings, 8,439,144 sqft)

OBJECT_ID	Mail Address	Source	Name	Type	Building_Area	x_coordinates	y_coordinates	County
1	% TONY DIAZ 350 COUNTY ROAD JERSEY CITY NJ 07307	HARRIS GOVERN	Goya Foods	Warehouse	3,564	-95.91279343	29.78777038	Waller
2	11155 WEST PARK DR HOUSTON TX 77042	HARRIS GOVERN	Bel Furniture	Warehouse	341,168	-95.85901533	29.77932065	Waller
3	ATTN: DAN MALONE 777 IGLoo ROAD KATY TX 77494	HARRIS GOVERN	Igloo Factory	Warehouse	511,195	-95.90641963	29.7844096	Waller
4	1600 NW 163RD ST MIAMI FL 33169	HARRIS GOVERN	Southern Glazer's & Wine	Warehouse	676,813	-95.85029881	29.78461406	Waller
5	ATTN TAX DEPARTMENT THREE LAKES DRIVE NORTHFIELD IL 60093	HARRIS GOVERN	Crawford Electric Supply	Warehouse	501,215	-95.86521899	29.77959328	Waller
6	999 LAKE DR ISSAQUAH WA 98027	HARRIS GOVERN	Costco Depot	Warehouse	557,473	-95.91225682	29.78107001	Waller
7	P O BOX 5809 KATY TX 77491	HARRIS GOVERN	Bel Furniture	Warehouse	74,982	-95.85990531	29.78018397	Waller
8	8820 American WAY Attn: Kevin Michalek Englewood CO 80112-7056	FORT BEND CAD	American Furniture Warehouse	Warehouse	524,777	-95.81784799	29.78032547	Fort Bend
9	999 LAKE DR ISSAQUAH WA 98027	HARRIS GOVERN	Costco Depot	Warehouse	12,244	-95.91225682	29.78107001	Waller
10	1900 WEST LOOP SOUTH SUITE 1300 HOUSTON TX 77027	HARRIS GOVERN	Amazon DHO7	Warehouse	285,978	-95.85584807	29.77882083	Waller
11	% TONY DIAZ 350 COUNTY ROAD JERSEY CITY NJ 07307	HARRIS GOVERN	Goya Foods	Warehouse	488	-95.91279343	29.78777038	Waller
12	% TONY DIAZ 350 COUNTY ROAD JERSEY CITY NJ 07307	HARRIS GOVERN	Goya Foods	Warehouse	1,623	-95.91279343	29.78777038	Waller
13	11540 HWY 92 EAST ATTN TAX DEPT SEFFNER FL 33584	HARRIS GOVERN	Rooms To Go - Brookshire	Warehouse	13,002	-95.91157625	29.77532201	Waller
14	%REAL ESTATE TAX ADVISORS LLC PO BOX 40509 INDIANAPOLIS IN 46240	HARRIS GOVERN	Amazon Distribution Center	Warehouse	1,049,838	-95.91636642	29.78172885	Waller
15	% TONY DIAZ 350 COUNTY ROAD JERSEY CITY NJ 07307	HARRIS GOVERN	Goya Foods	Warehouse	4,678	-95.91279343	29.78777038	Waller
16	% TONY DIAZ 350 COUNTY ROAD JERSEY CITY NJ 07307	HARRIS GOVERN	Goya Foods	Warehouse	1,950	-95.91279343	29.78777038	Waller
17	% TONY DIAZ 350 COUNTY ROAD JERSEY CITY NJ 07307	HARRIS GOVERN	Goya Foods	Warehouse	717,829	-95.91279343	29.78777038	Waller
18	% TONY DIAZ 350 COUNTY ROAD JERSEY CITY NJ 07307	HARRIS GOVERN	Goya Foods	Warehouse	1,596	-95.91279343	29.78777038	Waller
19	C/O CALIFORNIA STATE TEACHERS RETIREMENT SYSTEM 100 WATERFRONT P	HARRIS GOVERN	Igloo Katy East Warehouse	Warehouse	421,997	-95.86267994	29.78506842	Waller
20	11540 HWY 92 EAST ATTN TAX DEPT SEFFNER FL 33584	HARRIS GOVERN	Rooms To Go - Brookshire	Warehouse	1,577,289	-95.91157625	29.77532201	Waller
21	ATTN RYAN LOVELL 3207 S SAM HOUSTON PKWY E SUITE 100 HOUSTON TX 77	HARRIS GOVERN	Domino's Stx Supply Chain Center	Warehouse	59,138	-95.90050391	29.78490939	Waller
22	6018 BLOSSOM ST HOUSTON TX 77007	HARRIS GOVERN	Empire West Business Park	Warehouse	792,449	-95.92450708	29.78538647	Waller
23	6018 BLOSSOM ST HOUSTON TX 77007	HARRIS GOVERN	Warefor	Warehouse	177,571	-95.92450708	29.78538647	Waller
24	6018 BLOSSOM ST HOUSTON TX 77007	HARRIS GOVERN	Winix America	Warehouse	130,286	-95.92450708	29.78538647	Waller
<b>Total Building Size -</b>					<b>8,439,144</b>			

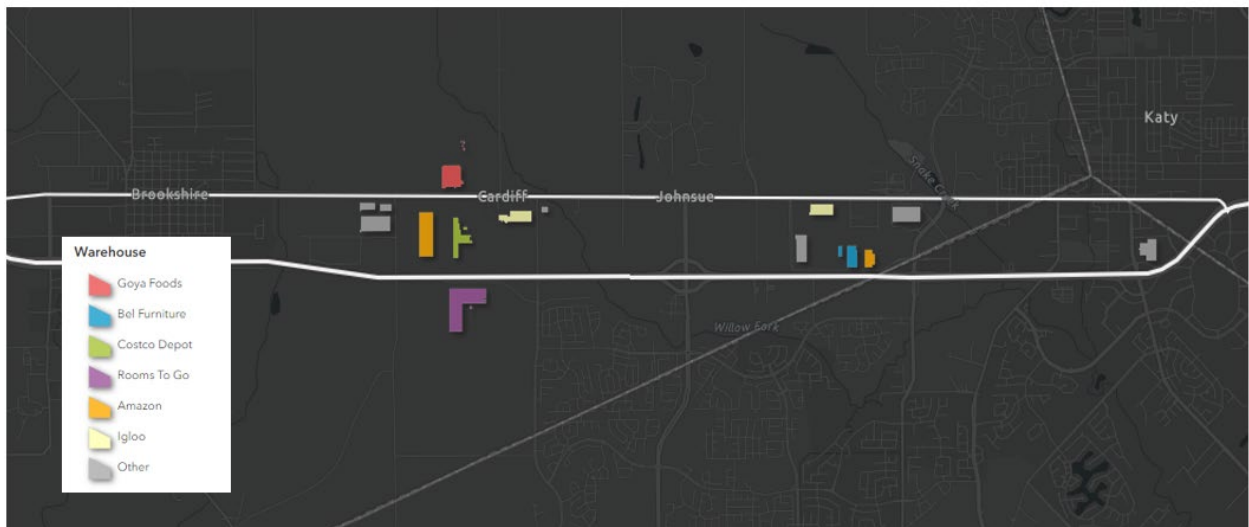
Data source: Harris County and Fort Bend County

Figure 1: Existing Big Warehouse Buildings and their Building Size Chart - I-10 W



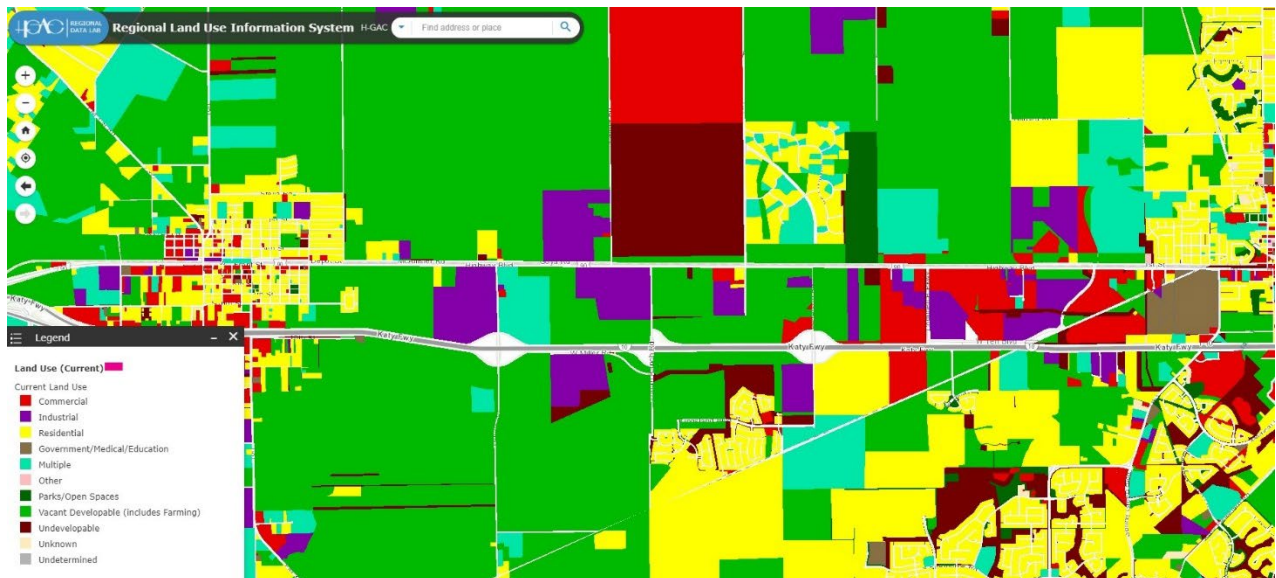
Data source: Harris County and Fort Bend County

Map 2: Locations of the Existing Warehouse Companies along I-10 W



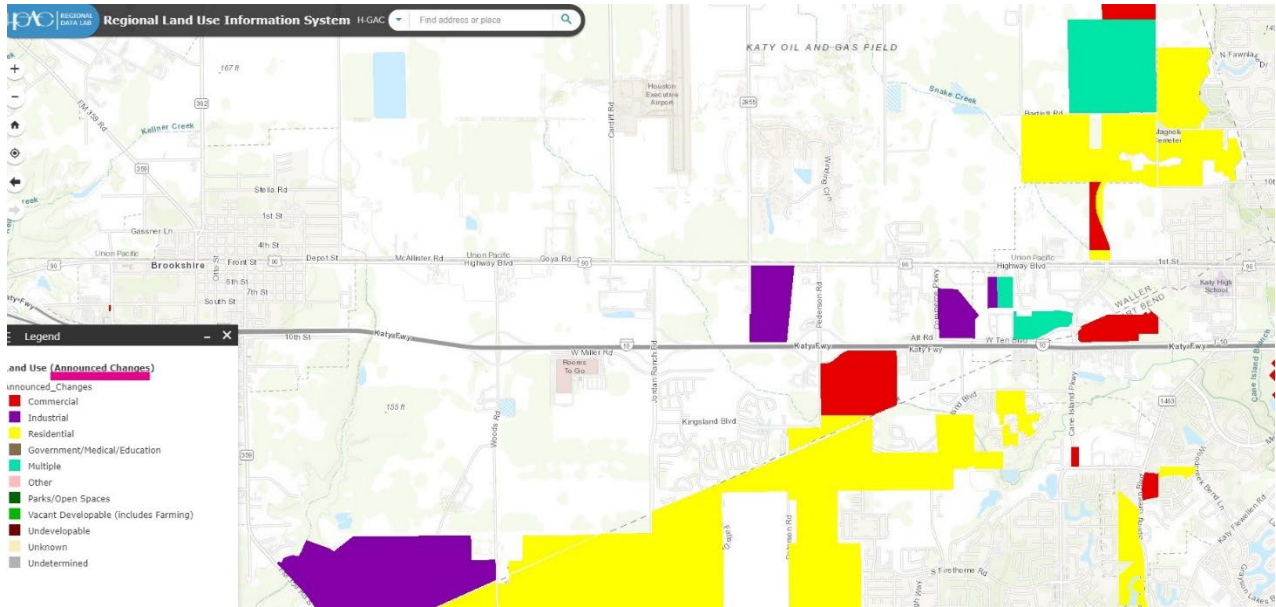
Data source: Harris County and Fort Bend County

Map 3: Current Land Use Along I-10 W and Surrounding Area





Map 4: Announced Future Land Use Developments Along I-10 W and Surrounding Area



Data source: H-GAC Regional Land Use Information System

Map 5: Model Predicted Land Use Developments by 2045 Along I-10 W and Surrounding Area



Data source: H-GAC Regional Land Use Information System

## Appendix A: Traffic Projections for I-10 W Frontage Road



# MEMO

July 20, 2020

**To:** Eliza C. Paul, P.E., District Engineer  
Attention: James Koch, P.E., Director of TPD

**Through:** William E. Knowles, P.E.  
Traffic Analysis Section Director, TPP

A handwritten signature in blue ink, likely belonging to William E. Knowles, P.E.

**From:** James Burnett  
Planner, TPP

**Subject:** Traffic Data  
CSJ: 0271-04-070, etc.  
I-10 Mainlanes and Frontage Roads:  
From East of FM 359  
To Snake Creek  
Fort Bend and Waller County

Snake Creek is located at East of Cane Island Parkway

Attached are tabulations showing traffic analysis for highway design for the 2025 to 2045 twenty-year period and 2025 to 2055 thirty-year period for the described limits of the route. Also included are tabulations showing data for use in air and noise analysis.

Please refer to your original request dated July 16, 2019.

If you have any questions or need additional information, please contact James Burnett at (512) 486-5165.

### Attachments

**CC:** Emmanuel Samson  
Transportation Analyst, Houston District  
Design Division

OUR VALUES: People • Accountability • Trust • Honesty

OUR MISSION: Through collaboration and leadership, we deliver a safe, reliable, and integrated transportation system that enables the movement of people and goods.

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**TRAFFIC ANALYSIS FOR HIGHWAY DESIGN**

Houston District

July 15, 2020

										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 20 Year Period (2025 to 2045)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Base Year Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2025	2045			ADT	DHV							
<b>I-10 Frontage Roads</b>													
From East of FM 359 To Snake Creek													
Fort Bend and Waller County													
12,400    16,800    51 - 49    7.6    19.4    14.6    12,000    40    8,664,000    3    11,618,000    8"													
<b>Data for Use in Air &amp; Noise Analysis</b>													
<b>Vehicle Class</b>													
<b>Base Year</b>													
<b>% of ADT</b>													
<b>% of DHV</b>													
Light Duty    80.6    85.4													
Medium Duty    2.6    2.0													
Heavy Duty    16.8    12.6													
										Total Number of Equivalent 18k Single Axle Load Applications One Direction Expected for a 30 Year Period (2025 to 2055)			
Description of Location	Average Daily Traffic		Dir Dist %	K Factor	Base Year Percent Trucks		ATHWLD	Percent Tandem Axles in ATHWLD	Flexible Pavement	S N	Rigid Pavement	SLAB	
	2025	2055			ADT	DHV							
<b>I-10 Frontage Roads</b>													
From East of FM 359 To Snake Creek													
Fort Bend and Waller County													
12,400    19,000    51 - 49    7.6    19.4    14.6    12,100    40    13,974,000    3    18,740,000    8"													

**NOT INTENDED FOR CONSTRUCTION  
BIDDING OR PERMIT PURPOSES**

William Erick Knowles, P.E.  
Serial Number 84701