# CONNECTIONS <br> 2016 Montgomery County THOROUGHFARE PLAN 



## HAE



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PREPARED FOR MONTGOMERY COUNTY AND CONROE
BY HOUSTON-GALVESTON AREA COUNCIL

WITH ASSISTANCE FROM COBB FENDLEY AND ASSOCIATES


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## CONTENTS

EXECUTIVE SUMMARY ..... 1
INTRODUCTION ..... 9
AREA PROFILE ..... 13
PUBLIC INVOLVEMENT ..... 21
PLAN DEVELOPMENT ..... 25
2016 THOROUGHFARE PLAN ..... 31
RECOMMENDATIONS ..... 39


## EXECUTIVE SUMMARY

The Houston-Galveston Area Council (H-GAC) established a partnership with Montgomery County and the City of Conroe to update the Montgomery County Thoroughfare Plan. The intent of the 2016 Montgomery County Thoroughfare Plan ("MCTP") is to provide the County with an updated planning tool that can be used to manage, guide and design a transportation network that improves connectivity, mitigates congestion and accommodates new development and growth throughout the County. The primary objective of the Thoroughfare Plan is to ensure the preservation of adequate rights-of-way on appropriate alignments of sufficient width to allow the orderly and efficient expansion and improvement of the roadway system to serve existing and future transportation needs.

PURPOSE
The Thoroughfare Plan designates a system of major roadways throughout the county intended to provide adequate access and travel mobility. It includes freeways, major and secondary arterials (high-capacity urban roads) and major collectors.

A THOROUGHFARE PLAN IS

- Long range (50+ years)
- Identifies type and general location of future roadways
- Preserves transportation corridors (i.e right-of-way)
- Guides future development
- Promotes connectivity and design
uniformity
- Requires, through the platting approval process of cities and counties, appropriate dedication of rights-ofthoroughfares by private land owners A thoroughfare plan benefits the county by indicating where needed roadway right-ofway (ROW) should be preserved so that as development occurs or as traffic increases, the County will have the ability to develop appropriate transportation facilities. The Plan also supports orderly and predictable
development as private development occurs and minimizes disruption and displacement of people and businesses by providing a long-range, predictable plan. A plan is a statement of intention, not a guarantee of action.

A THOROUGHFARE PLAN IS NOT:

- A list of construction projects
- A commitment by local governments to build specific roads
- A survey, design or engineering study showing the exact alignments or cos estimates for specific roadways
- A ranking or prioritization of roadway improvements
- A set time frame for when a project should be complete
- A financial plan or funding mechanism


## VISION AND GUIDING

PRINCIPLES
The overall goal of the MCTP is to develop a county-wide transportation plan that looks at the County holistically and accommodates the current and future mobility needs of people, goods and services traveling within and through the County.

The vision of the Montgomery County Thoroughfare Plan is to establish guidelines and policies to develop a safe, well-connected and efficient county-wide transportation system that provides adequate mobility for people, goods and services and promotes orderly growth and redevelopment throughout the county.
The vision is supported by the following guiding principles:

- Preserve adequate rights-of-way for future expansion and connectivity.
- Establish county-wide design standards that enhance the safety and movement of all county roadway users and aid the transition from rural to urban land uses.
- Institute policies and procedures to coordinate and optimize transportation investments in the county.
- Develop a well-connected transportation system to, from, and within local communities.
- Collaborate with the development community to ensure that roadway investments satisfy existing and future growth needs.

The Plan's vision and guiding principles were referred to throughout the planning process to maintain the focus of the study

## AREA OVERVIEW

Montgomery County is located in southeast Texas (Figure E1) and has a tota area of 1,077 square miles.
According to the U.S. Census in 2014 there were 518,947 people living in the County. The City of Conroe, the county seat, is located in central Montgomery County and had an estimated 2014 population of 65,871 . Other major cities include Magnolia, Montgomery, Shenandoah, Oak Ridge North and Willis (Figure E2). The largest community is The Woodlands Township.
Lake Conroe is a 21,000 acre lake, making it the largest body of water in the County. It is located in the northwest quadrant of the


Figure E1: Sudy Area Location


Figure E2


County. The San Jacinto River West Fork bisects the County from the northwest to the southeast and Spring Creek defines the County's southern border. Over 22\% of the County's land area is located within a FEMA-defined floodway or 100-year flood plain. (Figure E3: Flood Plains and Forests)

Montgomery County is home to a national forest and a state forest. Sam Houston National Forest is located in northern
Montgomery County and W. G. Jones State Forest is located on FM 1488 just west of IH 45 .

POPULATION
As the 13th-fastest growing county in the nation, Montgomery County is expected to experience an annual growth rate of $3.15 \%$ in the next 30 years (Figure E4). Much of this growth is expected to occur in the central and southern regions of the County (Figure E5).


Figure E4: Montgomery County
Population Growth


Figure E5: Population Projection Locations

EMPLOYMENT
As population increases in the County, employment centers and opportunities grow as well. Employment has grown at an annual rate of $5.77 \%$ since 1980 and it is estimated that it will continue to grow at an annual rate of $5.81 \%$ over the next 30 years (Figure E6). The densest concentrations of employment are, and are expected to be, ocated along the IH 45 corridor between the City of Conroe and The Woodlands.

MAJOR TRIP GENERATORS
Montgomery County has hundreds of trip generators, but for this study the team ooked at where the major trip generators or traffic generators were located (Figure E7). The major trip generators identified include large shopping areas, large recreational sites, major convention


Probetan
Figure E6: Montgomery Count Employment Growth

centers/entertainment venues and major employment centers. The largest employment center is located in The Woodlands. Along with numerous large employers, such as Anadarko, CB\&I, etc., this area is also home to a major entertainment venue, several conference centers and a regional shopping mall. Two major trip generators are located outside of Montgomery County. These include the Texas Renaissance Festival in Grimes County and Springwoods Village in Herris County, which is home to Exyon in Haris Couth, wich is home to Exx hobla So Montgonery County they affect tide $y$ they affect the traffic in Montgomery County

New development is scattered throughout the County. However, there are numerous developments occurring along the Grand Parkway.

## BARRIERS

There are many barriers to movement within Montgomery County, both natural and man-made (Figure E8). The natural barriers include the San Jacinto River, Spring Cypress Creek, Lake Creek, Peach Creek, Caney Creek, Sam Houston National Forest and WG Jones State Forest Man made bariers include, but are not limited o, expressways/toll roads, railroads golf courses, cemeteries, and airports. Railroads, expressways/toll roads and floodplains can be crossed; however the construction cost dramatically increases when bridges are needed


Figure E7


Figure E8

## ROADWAY NETWORK DEMAND

The existing transportation network of the County was studied in order to evaluate the amount of congestion the major roadways are experiencing. For this study, ratios were calculated by using 2012 and 2013 Annua Daily Traffic counts (ADTs) collected by TxDOT, facility type and Highway Capacity Manual values including lane capacities, saturation flow rate, directional distribution, peak hour distribution and green time percentage.
Using the results from the volume to capacity (v/c) ratio calculations, a Congestion Map (Figure E9) was created. The highest concentrations of congested roads in the County are located in The Woodlands. This is no surprise considering this area has the highest population density in the Country and is one of the largest employment centers in the region.

## PUBLIC INVOLVEMENT

The MCTP included various levels of public involvement ranging from focus groups to public meetings. This process led to more direct information on current and future needs, and development throughout the County. The MCTP team customized a robust public involvement program to receive input from the community leaders and residents of Montgomery County. The public involvement plan included two rounds of focus group meetings, multiple meetings with the steering committee and elected officials, as well as four public meetings.

## 2016 THOROUGHFARE PLAN

Figure E10 shows the 2016 Montgomery County Thoroughfare Plan that was adopted by Commissioners Court on January 26, 2016. Water features, topography, the built environment and county boundaries were all considered during the analysis of the system. However, this analysis was performed at a high level. As the need for a particular roadway becomes apparent, more detailed studies will be necessary to refine alignments, investigate potential environmental impacts, and determine the ultimate design of the roadway (i.e. cross sections, bridges, intersection geometries, and the like). Subdivision plats that include thoroughfares should be developed in collaboration with and under the review of the County and where appropriate municipal agencies.

FUNCTIONAL CLASSIFICATION
In addition to defining a thoroughfare network, a classification was assigned oo the each of the roadways. Functional classification is the process by which ocal and regional roadways are grouped into hierarchal categories according to the ransportation objectives they are intended provide. This process identifies the red provide. This proces in the context of the larger transportation system. Function larger transportation system. Functional lassifications for the plan were based on a , a o carry. Functional classifications are shown in Figure E11.

Transportation systems are designed to serve a diverse range of travel needs, from ong-distance travel between cities to ocal trips between home and the retai areas, schools, employment, and other service locations. Assigning a functional lassification to each roadway in the system helps ensure that the transportation system can serve the diverse travel needs of users in a logical and efficient manner

## IMPLEMENTATION

The MCTP represents a build-out of the County's ultimate thoroughfare system and does not attempt to represent the need for or the timing of specific construction projects. This is a true long-range plan based on existing plans approved by local elected officials. This Plan should be used as a guide for local planning to support and promote orderly and planned growth. It should also be a starting point for needs-based arterial studies. This Plan may be used as a basis for city or county bond programs, regional land-use plans, economic development initiatives, and regional transportation plans,

The development of effective implementation policies will enable government officials, engineers, planners and local stakeholders to ensure that the vision and guiding principles of this plan are put into practice as development occurs within the County.

POLICY
The following Thoroughfare Plan Policies are intended to be complimentary to and coordinated with the Thoroughfare Plan Map. Both the policies and the Map are to be considered and interpreted within the context of the guiding principles. The following are recommended general policies that apply to the overal thoroughfare system and the genera interpretation and application of this Thoroughfare Plan.

- COMPLETE STREETS: This is a type of street design meant to provide safe, accessible and convenient use by a variety of users including motorists, transit riders, pedestrians and cyclists.
- CONTEXT SENSITIVE SOLUTIONS: This is a collaborative approach that involves all stakeholders in developing a transportation facility that complements its physical setting and preserves scenic, aesthetic and historic and environmental resources while maintaining safety and mobility.


Figure E9


Figure E10

- ACCESS MANAGEMENT: This is a se of techniques that state and local governments can use to control access roadways. These techniques include access spacing driveway spacing safe turning lanes, median treatments and right-of-way management.

POTENTIAL FUNDING OPTIONS
There are many development tools and strategies available to local jurisdictions to implement the MCTP These items will be discussed with an emphasis on encouraging greater coordination of effort among local jurisdictions, private land developers and other area stakeholders. In addition to the federal and state funding available through the $\mathrm{H}-\mathrm{GAC}$ Regional Transportation Plan (RTP)/ Transportation Improvement Plan (TIP) process, local jurisdictions and stakeholders can utilize existing funding mechanisms or collaborate to create new ones where appropriate.

The State of Texas provides an array of tools to help local and county governments encourage and maintain the economic vitality of their jurisdictions. Tools applicable to the County are described below.

TAX INCREMENT FINANCING (TAX CODE CHAPTER 311)
Tax Increment Financing is a tool that local governments can use to publicly finance needed structural improvements and enhanced infrastructure within a reinvestment zone. These improvements are usually undertaken to promote existing businesses and/or to attract new business to the area.

LOCAL GOVERNMENT CODE CHAPTER 387 Local Government Code Chapter 387 allows counties to create County Assistance Districts that are funded by a portion of sales taxes. Any county may adopt this sales tax, in all or part of the county, if the new combined local sales tax rate would not exceed 2 percent at any location within the district

CHAPTERS 380 (CITIES) AND 381
COUNTIES) OF THE LOCAL GOVERNMEN CODE
Chapters 380 and 381 of the local government code grant cities and counties broad discretion to make loans and grants of public funds or the provision of public services, at little or no cost, to promote all ypes of business development including industrial, commercial and retail projects

PUBLIC IMPROVEMENT DISTRICTS (PID) LOCAL GOVERNMENT CODE, CHAPTER 372)

PIDs offer cities and counties a means for improving their infrastructure to promote economic growth in an area

Other possible methods to fund future roadway projects include the following

## MPACT FEFS

Impact fees impose a charge on new development to pay for the construction or expansion of off-site capital improvements hat are necessitated by and benefit the new development
Source: ImpactFees.com)

## HOROUGHFARE FUND

A thoroughfare fund is a designated funding source, created by a city or county, that would be used to fund all elements of a major or minor thoroughfare, including construction (travel lanes, sidewalks, bicycle lanes etc.), right-of-way acquisition and engineering costs. (Source: City of Columbus Thoroughfare Plan, Columbus, N, www.columbus.in.gov)

## PARKING TAX

A parking tax is a source that, at perhaps $\$ 5$ per space, could be dedicated exclusively for roadway projects.

## PRO-ACTIVE APPROACHES

Pro-active approaches could help to move projects forward in H-GAC's Transportation Improvement Program. Examples include:

- County and/or local jurisdictions acquiring right-of-way in advance.


Figure E11

Encourage landowners and developers to donate right-of-way
County and/or local governments can fund feasibility and traffic studies, nvironering and design preliminary design

- County and/or local governments could pay the full cost of relocating utilities improvements


## NEXT STEPS

The 2016 MCTP has been adopted and this study has been completed. However, ther are still steps that need to be completed by the County in order for this plan to be successfully implemented. This includes the following actions.

- Updating the existing subdivision regulations
- Instituting policies and procedures to coordinate and optimize transportation investments in the county
- Collaborating with the development community to ensure that roadway investments s
growth needs
- Coordinate with Conroe to ensure their Thoroughfare Plan complements the MCTP
- Developing a process to amend the Thoroughfare Plan
- Updating the Thoroughfare Plan every 5 years



## INTRODUCTION

## INTRODUCTION

The Houston-Galveston Area Council (H-GAC) established a partnership with Montgomery County and the City of Conroe to update the Montgomery County Thoroughfare Plan. The intent of the 2016 Montgomery County Thoroughfare Plan ("MCTP") is to provide the County with an updated planning tool that can be used to manage, guide and design a transportation network that improves connectivity, mitigates congestion and accommodates new development and growth throughout the County The primary objective of the Thoroughfare Plan is to ensure the preservation of adequate rights-of-way that:

- Are appropriately aligned
- Have sufficient width
- Follow county-wide design standards
- Allow for the orderly and efficien expansion of the transportation network, and
- Serve existing and future transportation needs.
Right-of-way (ROW) is property granted or reserved for transportation purposes. The ROW width is not the same as the width of a road. ROW contains road pavement, shoulders, utilities (lights), drainage, and may contain sidewalks, pedestrian elements, curbs, gutters, clear zones and medians

The first Montgomery County Thoroughfare Plan was adopted in 1979 and updated in 1985, 1998 and 2012. These plans have aided in the growth of the County by preserving rights-of-way for critical future roadways and ensuring private sector participation in them. The 1985 plan re-evaluated the thoroughfare system proposed in 1979 due to proposed development in the County, including the proposed Lake Creek Reservoir which was to be located north of FM 1488 between FM 149 and Fish Creek Thoroughfare. In addition to a report, the 1985 plan provided an updated map in which the functional an updated map in which the functiona
classifications for the street network in the County were established. Maps from
the 1998 and 2012 updates have also been provided in Appendix of this plan.
These previous plans were used as a starting point for the development of this updated plan. Other local governments, such as the City of Conroe, have also developed thoroughfare plans which were used in the development of the MCTP.

## PURPOSE

The MCTP designates a system of major roadways throughout the County intended to provide adequate access and travel mobility. It includes freeways, major and secondary arterials (high-capacity urban roads) and major collectors.

A THOROUGHFARE PLAN IS

- Long range (50+ years)
- Identifies type and general location of future roadways
- Preserves transportation corridors (i.e. right-of-way)
- Guides future development
- Promotes connectivity and design uniformity
- Requires, through the platting approval process of cities and counties, way and construction of identified thoroughfares by private land owners
A thoroughfare plan benefits the county by indicating where needed roadway right-of-way should be preserved so that, as development occurs or as traffic increases, the County will have the ability to develop appropriate transportation facilities. The Plan also supports the orderly and predictable development as private development occurs and minimizes disruption and displacement of people and businesses by providing a long-range, predictable plan. A plan is a statement of intention, not a guarantee of action.

[^0]- A survey, design or engineering study showing the exact alignments or cost estimates for specific roadways
A ranking or prioritization of roadway improvements
A set time frame for when a project should be complete
- A financial plan or funding mechanism


## PLAN ORGANIZATION

This plan document is structured in five core chapters with an appendix. A brief description of each chapter is provided below as a preface to the document.

CHAPTER 1:
Introduction - provides general context for the creation of a thoroughfare plan and those decision makers involved. This chapter documents the purpose of a thoroughfare plan as well as the overall vision and guiding principles.

CHAPTER 2:
Area Profile - documents the background information researched to fully understand the current and future transportation framework. This chapter provides key background data on local demographics, socioeconomic information, and expectation for future growth.

## CHAPTER 3:

Stakeholder Involvement - documents the involvement of the County, its communities and residents in the Plan's development. Several major outreach activities were undertaken at key milestones in the project including focus groups, public meetings, public presentations, and two online questionnaires.

CHAPTER 4:
Development of Plan - details the identification of various strengths, weaknesses, opportunities, and challenges related to developing a thoroughfare plan in Montgomery County. With this information the team identified potential transportation corridors, conducted analyses and obtained
input from the community. The evaluation dentified the best performing options and the ultimate priorities for the Plan

CHAPTER 5 :
The 2016 Thoroughfare Plan - presents the results of the analysis, including functional classification and design criteria to be implemented concurrently with the map.

CHAPTER $6:$
Recommendations - The final chapter includes suggested policies, potential funding sources that could be used to und future projects, interpreting the Thoroughfare Plan Map and the next steps that will facilitate the implementation of the MCTP.



PLAN LEADERSHIP AND GUIDANCE

The MCTP study was led by H-GAC, Montgomery County and the City of Conroe. The funding for the study included a combination of funds from TxDOT, Montgomery County and the City of Conroe. The section below details the of Conroe. The section below details the specific input provided by each group and
how this input directed the development of the plan.

STEERING COMMITTEE
A steering committee was created as a body to guide the plan development and provide input throughout the process. The members included non-elected representatives from the following entities:

- Office of the Montgomery County Judge
- Montgomery County Precinct 1
- Montgomery County Precinct 2
- Montgomery County Precinct 3
- Montgomery County Precinct 4
- Montgomery County Engineer's Office
- City of Conroe
- TxDOT Houston District
- TxDOT Montgomery County Area Office
- H-GAC

Consultant team members and the steering committee met regularly during the TP' development, formulated the vision and guiding principles, and provided input at key decision points in the study

PROJECT PARTNERS
Multiple agencies, including local governments, municipalities, school districts and emergency personnel, provided input to the MCTP as project partners. These groups provided input for their local jurisdiction/agency through focus groups, outreach activities, and direct meetings. The project partners included the following groups:

- Montgomery County
- Cities, communities and towns: Conroe, Cut and Shoot, Magnolia, Montgomery, New Caney, Oak Ridge North, Panorama Village, Patton Village, Porter, Roman Forest, Shenandoah, Splendora, The Woodlands Township
Woodloch, Woodbranch and Willis
- School Districts: Magnolia, New Caney, Splendora and Conroe
- Emergency Services: Magnolia, New Caney and Porter
- Conroe Chamber of Commerce Magnolia Parkway Chamber and Community Chamber of Commerce of the East Montgomery County
VISION AND GUIDING


## PRINCIPLES

The overall goal of the MCTP is to develop a county-wide transportation plan that looks at the County holistically and will accommodate current and future mobility need of people and goods traveling within and through the County
The vision of the MCTP is to establish guidelines and policies to develop a safe, well-connected and efficient county-wide transportation system that provides adequate mobility for people, goods and services and promotes orderly growth and redevelopment throughout the County.

The vision is supported by the following guiding principles:

- Preserve adequate rights-of-way for future expansion and connectivity
- Establish county-wide design standards that enhance the safety and movement county roadway users and aid the transition from rural to urban land uses
- Institute policies and procedures to coordinate and optimize transportation investments in the County

Develop a well-connected transportation system to, from, and within local communities
Collaborate with the development community to ensure that roadway investments satisfy existing and future growth needs
The MCTP's vision and guiding principles was referred to throughout the planning process to maintain the focus of the study

MONTGOMERY COUNTY THOROUGHFARE PLAN 2016


## AREA PROFILE

## AREA PROFILE

This chapter provides the basic context and history of the County, its population, and its development. It is important to understand the County's characteristics and growth in order to develop transportation recommendations that are appropriately tailored to the needs of area residents.

The project team collected and analyzed background data from numerous sources. The analysis of this data provides the foundation for developing a holistic and connected roadway network and ultimately, a thoroughfare plan that will serve the entire County. Included in this area profile is analysis of the following:

- Area Overview: Overview of study area demographics, social and economic characteristics
- Roadway Network: A look at the transportation network and identifying the major roads
- Roadway Network Demand: Details
about existing traffic congestion
- Population: Analysis about existing population characteristics and predicted
- Employment: Analysis about existing employment characteristics and predicted future employment patterns
- Trip Generators: Examination of the existing, know and forecasted major trip generators
- Barriers: A look at the study area's
natural and man-made barriers
- Gap Analysis: Overview of gaps in the roadway network
- Previous Thoroughfare Plans: Review of previous and current plans by the County and constituent municipalities


## AREA OVERVIEW

Montgomery County is located in southeast Texas (Figure 2-1) and has a tota area of 1,077 square miles.
According to the U.S. Census in 2014 , there were 518,947 people living in the County. The City of Conroe, the county seat is located in central Montgomery County and had an estimated 2014 population of 65,871 . Other major cities include Magnolia, Montgomery, Shenandoah, Oak Ridge North and Wiillis Figure 2-3). The largest community is The Woodlands Township. This master-planned community and census-designated place had a population of 109,679 in 2015 (U.S Census, Interfaith of The Woodlands, The Woodlands Development Company).

Lake Conroe is a 21,000 acre lake, making it the largest body of water in the County. It is located in the northwest quadrant of the County. The West Fork of the San Jacinto River bisects the County from the northwest to the southeast and Spring Creek defines the County's southern border. Other important bodies of water in Montgomery County include Caney Creek, Lake Creek and Peach Creek. Over $22 \%$ of the County's land area is located within a FEMA-defined floodway or 100 year floodplain. (Figure 2-2: Floodplains and Forests)

Montgomery County is home to two forests. Sam Houston National Forest is located in northern Montgomery County and W. G. Jones State Forest is located on FM 1488 just west of IH 45 . The majority of Montgomery County is rural: however of Montgomery County is rural, how ex cental and southern areas have experienced ropid grow in recent year which has led to inceased urbanization. The City of Conro and its is dominated by the cit (ETJ) wila urisdiction (ETJ) whil the southern area s dominated by The Woodlands Township (Figure 2-3). The southern portion of

Montgomery County is located within the City of Houston's ETJ.
South Montgomery County is experiencing high-paced growth in all areas: jobs; construction of new office, medical and retail buildings; development of new master planned communities on both sides of IH 45 ; and the recentlycompleted Grand Parkway (SH 99) segments running from US 290 to IH 69/ US 59.
The Woodlands Township has played a major role in the growth of the southern portion of the County. The Woodlands is a master planned community that is home to large residential, commercial and office development. Over the years it has also become a major employment and activity center attracting thousands of employees, employers and visitors from all parts of the world. Just to the south of The Woodlands Township is Springwoods Village, another major activity center currently being established that features major employers such as Exxon Mobil's corporate campus and the headquarter of Southwestern Energy.

Although Springwoods Village is located in Harris County, this development's proximity to Montgomery County wil impact the County's transportation network.


Figure 2-1



Figure 2-3


Montgomery County's existing transportation system is an extensive network of roadways. Many of the County's most important roadways are maintained by the State. In 2013, TxDOT maintained 1,251 total lane miles of roadways.
Montgomery County's roadway network is comprised of the following elements:

- Interstates and Freeways: high-speed, limited-access highways that are the limited-access highways that are th
backbone of the county's roadway transportation network. They provide mobility to and from other counties and major destinations. Toll roads are also included in this category. Examples nclude IH 45, IH 69/US 59, SH 99/
Grand Parkway and Tomball Tollway.
- US \& State Highways: these are nonfreeway facilities that nevertheless carry large volumes of traffic at regional (north-south and east-west) mobility and also provide access to local roads. Examples include SH 105, SH 249 and SH 242.
- Loops and Spurs: these roadways aid in trip distribution and relieve congestion in urban areas by separating passby traffic from local traffic. There are currently two loops in Montgomery and Loop 494 in eastern Montgomery County.
- Farm and Ranch to-Market (FM) Roads: these state-maintained roads are common throughout the County and provide mobility and access across areas in the County and adjacent counties. There are 16 FM roads in Montgomery County. Examples include FM 1488, FM 2978, FM 3083, and FM 097.
- County-Maintained Thoroughfares: these are the most common type of major roadway outside of municipal trips. Examples include Rayford Road, Woodlands Parkway and Fish Creek Thoroughfare/Sendera Ranch/Honea Egypt.

The transportation network of the County was studied in order to evaluate the amount of vehicular congestion the major roadways are experiencing. Volume-to-capacity ( $\mathrm{V} / \mathrm{c}$ ) is primary performance measure that reflects mobility and quality of vehicular travel of roadway. Used as a planning tool, v/c ratios compare vehicular roadway demand volumes) with roadway capacity (number of lanes).

For this study, ratios were calculated by using 2012 and 2013 Annual Daily Traffic counts (ADTs) collected by TxDOT, facility ype and Highway Capacity Manual values ncluding lane capacities, saturation flow rate, directional distribution, peak hour distribution and green time percentage. These concepts are defined as follows:

- Lane Capacity: The maximum sustainable number of vehicles per lane which can reasonably be expected to travel along a prevailing roadway environmental traffic and control conditions
- Saturation Flow Rate: The flow rate per lane at which vehicles can pass through a signalized intersection
- Directional Distribution: The percentage of total, two-way peak hour traffic th occurs in the peak direction
- Peak Hour Distribution: The proportion of daily traffic moving along a given roadway during the peak hours, usually expressed as a percentage.
- Green Time Percentage: Proportion of green time allocated to a particular as a percentage.
A table with these values and calculation has been included in the Appendix of this report. Using the results from the v/c atio calculations, a 24 -hour congestion map (Figure 2.4) was created. The highest encentrations of congested roads in the County are located in The Woodlands. This is no surprise considering this area has the highest population density in the County and is one of the largest employment centers in the region.

SAFETY

A key function of any transportation system is to not only move vehicles efficiently, but also to do so while providing for the safety of all travelers. While roadway design standards go a long way toward maximizing the safety of the traveling public, they cannot anticipate the complex interaction of variables with which travelers are confronted. Therefore, it is necessary to regularly review crash data to understand safety issues that may arise on existing roadways.

Examination of 2009-2013 crash reports from TxDOT's Crash Record Information System (CRIS) identified locations throughout the Country with high crash counts. The top 30 crash locations in Montgomery County (2009-2013) are summarized in Figure 2-5. Detailed summarized in Figure 2-5. Detailed examination of crash reports can revea a high frequency of a particular type of
crash that may be susceptible to correction through engineering measures such as signing, pavement markings, illumination, law enforcement, education and emergency management.

## POPULATION

In 2014, Montgomery County had an estimated population of 518,947 (United States Census Bureau's State \& County Quick Facts) and was the 13th-fastest growing county in the nation (Source: Cubits Blog, March 2015. Top 100 Fastest Growing Counties in the U.S. Retrieved 2/2016 from http://blog.cubitplanning. com/2015/04/top-100-fastest-growing-counties-in-the-us/. )

As the 13th-fastest growing county in the nation, Montgomery County is expected to experience an annual growth rate of $3.15 \%$ in the next 30 years. Much of this growth is expected to occur in the central and southern regions of the County. This is illustrated by the population density maps in Figure 2-6, where shades of orange
indicate denser population concentrations. Population continues to increase in the central and southern portions of the County The locations correspond to $\mathrm{IH} 45, \mathrm{IH} 69$ / US 59 and Grand Parkway corridors

## EMPLOYMENT

As population increases in the County, employment centers and opportunities grow as well. Employment has grown at an annual rate of $5.77 \%$ since 1980 and it is estimated that it will continue to grow at an annual rate of $5.81 \%$ over the next 30 years. The densest concentrations of employment are, and are expected to be, located along the IH 45 corridor between the City of Conroe and The Woodlands.

## MAJOR TRIP GENERATORS

As part of the efforts of this study, major traffic generators and announced developments were identified by collecting data from newspapers, magazine articles, websites, focus group meetings, internet searches and information gathered from the South County Mobility Study, which was conducted concurrently with this Plan. The information obtained was summarized and a map was created to identify these traffic generators and announced developments. Figure 2-9 shows the existing and approximate ocation of announced developments. Some developments are currently under construction or are expected to get underway shortly

## LAND USE

Land use information is important to examine when evaluating the transportation system in order to understand traffic origin-destination patterns and roadway usage. This information can be used to determine the future needs of a roadway to accommodate the trips it will generate. As part of the efforts of this study the current

Top 30 Intersection Crash Locations in
Montgomery County
2009-2013 Source: TxDOT)

| Rank | Location | Crashes |
| :---: | :---: | :---: |
| 1 | 1 H 45 at SH 242 | 343 |
| 2 | IH 45 at Rayford/Sawdust | 235 |
| 3 | Loop 336 at IIH 45 | 173 |
| 4 | IH 45 at Research Forest/Tamina | 168 |
| 5 | SH 105 at IH 45 | 161 |
| 6 | Loop 336 West at IH 45 | 143 |
| 7 | US 59 at FM 1314 | 120 |
| 8 | FM 3083 at US 75 | 97 |
| 9 | SH 105 at Dallas | 97 |
| 10 | Grogans Mill at Research Forest | 94 |
| 11 | IH 45 at FM 1097 | 88 |
| 12 | IH 45 at FM 3083 | 80 |
| 13 | SH 242 at FM 1314 | 76 |
| 14 | Rayford Road at Richards | 75 |
| 15 | Woodlands Parkway at Grogan's Mill | 75 |
| 16 | Loop 336 at US 75 | 72 |
| 17 | Woodlands Parkway at Gosling | 68 |
| 18 | Grogans Mill at Millbend | 66 |
| 19 | SH 105 at Loop 336 | 66 |
| 20 | Woodlands Parkway at W. Panther Creek | 65 |
| 21 | SH 242 at Gosling | 63 |
| 22 | Research Forest at Gosling | 62 |
| 23 | Greenbridge at SH 242 | 60 |
| 24 | US 75 at SH 105 | 60 |
| 25 | Woodlands Parkway at E. Panther Creek | 60 |
| 26 | Northpark at Loop 494 | 58 |
| 27 | Northpark at US 59 | 57 |
| 28 | Woodlands Parkway at Six Pines | 57 |
| 29 | Kuykendahl at Woodlands Parkway | 56 |
| 30 | SH 242 at St. Lukes Way | 55 |

Figure 2-5


Figure 2-6: 2010 and 2040 Montgomery County Population Projected Locations


Figure 2-7: Montgomery County Population Growth


Figure 2-8: Montgomery County Employment Growth


Figure 2-9


Figure: 2-11


Figure 2-10


Figure: 2-12
land use maps for each precinct in the County were reviewed and, if necessary, updated to reflect the County's current development patterns

## BARRIERS

A barrier is defined as an object that blocks or obstructs a path. In Montgomery County there are numerous barriers that obstruct the path of roads that need to be built. Some of these obstructions do not necessarily block the construction of roads, but do affect the cost of constructing the roads due to the facilities that would need to be built to overcome the barrier. Other barriers cause the rerouting of roads. There of two types of barriers in Montgomery County man-made and natural. Examples of man-made barriers include sports complexes, park/recreational areas, golf courses, airports, cemeteries, hospitals, universities/colleges, railroads and Interstates. Figure 2-10 identifies the natural and man-made barriers across the County.

Natural barriers including ecological barriers are also located throughout the county. Examples of natural barriers include rivers, creeks, lakes and state and national forests (Figure 2-11: FEMA Flood Plain Map and Figure 2-12: Ecological Barriers). The West Fork of the San Jacinto River, Lake Creek, Caney Creek, Peach Creek, Spring Creek, Lake Conroe and their adjacent floodplains are the major natural barriers in Montgomery County.

## PREVIOUS THOROUGHFARE

 PLANSThoroughfare plans were developed in Montgomery County in 1979, 1985, 1998 and 2012. (Figures 2-14, 2-15, 2-16 and 2-17) All of the thoroughfare plans were analyzed, along with the current City of Conroe thoroughfare planand the City of Houston's Major Thoroughfare and of Houston's Major Thoroughfare and provided the history behind many of the provided the history behind many of the staff from Conroe and Houston to ensure the proposed pand Houst that the proposed plan complemented their existing plans.


Figure 2-14: 1979 Thoroughfare Plan


Figure 2-16: 1998 Mobility Plan


Figure 2-15: 1985 Thoroughfare Plan


Figure 2-17: Existing Thoroughfare Plans


## PUBLIC INVOLVEMENT



## PUBLIC INVOLVEMENT

The Montgomery County Thoroughtare Plan (MCTP) process included various levels of public involvement ranging from focus groups to public meetings (Figure 3-1). This process has led to more direct information on current and future needs throughout the County and has allowed participants to shape the outcome of the Plan. The MCTP team customized a robust public involvement program to receive input from the community leaders and residents of Montgomery County

## STEERING COMMITTEE

The project Steering Committee was assembled to guide the technical development of the plan and to:

- Attend meetings throughout the duration of the study
- Develop and approve the Plan's vision, goals and performance measures
- Receive, review and provide input on findings and recommendations
The Steering Committee was facilitated by H-GAC and consisted of non-elected representatives from the City of Conro representatives from the City of Conro Montgomery County Precincts 1 ice and Mortgomery County Enginer's Office TxDOT Houston District and TxDO Montgomery County Area Office.


## FOCUS GROUPS

To understand existing mobility concerns, information regarding the County's transportation network was obtained from representatives in the County who have first-hand knowledge of each area's growth and development. Convening focus groups by geographic area provided a concise method for collecting information and discussing issues, challenges and solutions. Additionally, these meetings provided an opportunity to establish dialogue with community leaders who will be the future champions in maintaining and updating the MCTP.
he first round (July 2014) of focus groups were by geographic areas

- Southwest County: Communities of Magnolia, Pinehurst and Stagecoach

Comery County Precinc

- East County: Communities of Splendora, Patton Village, Woodbranch Porter and Grangerland; Montgomery County Precinct 4
- West County: City of Montgomery; Montgomery County Precincts 1 and 2
- Conroe: City of Conroe and Lone Star Conroe: City of Conroe
College - Montgomery
- North County: Cities of Willis Panorama Village and Cut and Shoot; Montgomery County Precinct

City and County representatives, school districts, area police / fire departments, and real estate professionals, along with Steering Committee members were invited o participate. The meetings were held at centralized locations such as the Magnolia and Lone Star Community Centers.
nput from the first round of focus groups was used to create an initial draft horoughfare Plan Map which was analyzed and refined.
he South County Mobility Plan (SCMP), conducted concurrently with this study, collected detailed information for the communities in South Montgomery County, incluaing Montgomery County Precinct 3, The Woodlands Township and the Cities of Oak Ridge North and Shenandoah. Results of that study have been incorporated into the MCTP. An initial focus group meeting in Precinct 3 was not held; however, a focus group meeting was held in South County during the second round of Focus Group meetings. Montgomery County Precinct 3. The Woodlands Township and the Cities of Oak Ridge North and Shenandoah Fere invited to provide their input A joint meeting of the SCMP and MCTP Stering meeting of Sc and MCTP Steering Ssus commo to two studis. issues common to the two studies.

Information gathered during the focus group meetings has been included in the Appendix of this report. The information received will be discussed further in Chapter 4: Plan Development.

A second round of focus group meetings was held in September 2015 in all four Montgomery County precincts. The meeting invitees included city and County representatives, The Woodlands Township, school districts, area police, fire departments, real estate professionals along with Steering Committee members. The attendees included representatives from Splendora, New Caney, Cut and Shoot, Patton Village, Roman Forest, Shenandoah The Woodlands Township, Magnolia, Conroe, Willis, Montaomery County, school districts, area police /fire departments, and real area police/fire depals, and real Committee members. The input receiv cas used to revise the draft Thorougfar Plan Map, which was then presented at the Panlic met ing the public meetings and released to the public for review and comment

## PUBLIC MEETINGS

Four public meetings were held throughout Montgomery County, where residents, business owners and elected officials could review the Map and make comments, learn about the major thoroughfare planning process, and discover the benefits of having a major thoroughfare plan. These meetings were "open house" format where citizens could talk to planning staff one-on-one and come and go at their leisure. The open house provided an opportunity for participants to learn what they needed to influence and participate effectively in the thoroughfare planning process. Overall, 196 people, including plesed officials, attended these meetings. elected officials, attended these meetings Comments were provided on the written the thoroughfare plan maps. A tol 78 the thorougha which corres 78 comment


The four meetings were held at the following times and locations:

IOVEMBER 10, 2015, 6-8 PM Conroe Tower
300 West Davis, 6th Floor Conroe, Texas 77301

NOVEMBER 12, 2015, 6-8 PM Shenandoah Municipal Complex 9955 IH 45 North Shenandoah, Texas 77381

NOVEMBER 17, 2015, 6-8 PM
Magnolia High School
14350 FM 1488
Magnolia, Texas 77354
OVEMBER 19, 2015 6-8 PM
R. B. Tullis Library R. B. Tullis Library
21569 IH 69 North New Caney, Texas 77357

An additional 78 comments were emailed or submitted through the study website. Copies of these comments are included in the Appendix. The information received and how it influenced the thoroughfare plan's development will be discussed further in Chapter 4: Plan Development


## PLAN DEVELOPMENT

The purpose of a Major Thoroughfare Plan is to provide the county with a blueprint for an adequate and maintainable transportation network that can be developed as the county grows. Ideally the network should reduce congestion, improve travel times, and promote public safety. The plan must be able to address the need for connectivity, identify where traffic volumes are placing a burden on the transportation system today and in the future, identify where right-of-way will be required to address the identified need, and identify potential issues such as man-made barriers or floodplain issues that could impact the feasibility of a future connection. This Thoroughfare Plan will ultimately assist the county in placing the necessary infrastructure before or as development is occurring to meet the


Figure 4-1: Connectivity Analysis - the red diamonds show where major roads end at a cross street.
travel needs of the region, by:

- Identifying roadway needs throughout the County,
- Identifying future right of way needs,
- Identifying new roadway corridors that improve connectivity,
- Establishing road design guidelines that result in consistency throughout the
county, and
- Establishing roadway functional classifications.


## PROCESS

The first step in the development of the MCTP was to review existing conditions and review existing and previous thoroughfare plans. The next step was to document the new corridors and "missing roadway links" that were identified during
$\qquad$
the Steering Committee and Focus Group meetings.
The third step involved using the 2014 Montgomery County FEMA flood plain map to determine if a corridor was in the floodway, 100 year flood plain or 500 year flood plain. This information was used to modify and sometimes remove corridors due to their location in the floodway/ floodplain. Unfortunately, approximately $22 \%$ of the land in Montgomery County is either in the floodway or 100 year floodplain, so in many instances complete avoidance of the floodway or flood plains was not possible.

The fourth step involved a gap and connectivity analysis of the existing roadway network. Identifying the network gaps (i.e. where roads do not exist) and
where major roads end facilitate identifying where new thoroughfares should be planned.
The fifth step was to receive input from the Steering Committee, local municipalities and communities through focus groups and the public via the four public meetings. The project team reviewed the input and made adjustments to the Plan.
The last step was County adoption of the Thoroughfare Plan Map and study. The map and design criteria were adopted at the January 26, 2016 Commissioners Cour meeting. The County is now responsible for implementing, maintaining and updating the Thoroughfare Plan on a regular basis. It is recommended that the plan be reviewed very 5 years and that the County's subdivision regulations be updated to


Figure 4-2: Gap Analysis Results
reflect the design standards and policies presented in this Plan.

## gap analysis

Identifying gaps where roads end or do not exist play a critical role in improving congestion mitigation, connectivity and safety throughout the County. Figure 4-1 illustrates where major thoroughfares and collector streets end. "T" roads can be described as roads that end at a cross road and force drivers to detour to get to where they want to go. These detours add additional congestion to cross roads that may be already over capacity. Eliminating the " T " roads by improving connectivity redistributes traffic, which in turn improves safety and mitigates congestion. Figure 4-2 illustrates the major gaps that have been identified in the County; these are areas in the County where the opportunity to provide interconnectivity between roadways has been mostly or completely lost. Unfortunately, many opportunities to close vital gaps have been lost due to developments that were built without developments that we buir with Ansurg an is in Thexple 1774 and TM 14 has been lost due to 1774 and FM 149 has been lost due to the residential development that has occurred. This not only affects the routing of emergency vehicle and school buses, but also creates a safety issue for citizens not having alternative routes in case of an emergency.

## needs and deficiencies

Deficiencies in the transportation network were identified during the background analysis and focus group meetings. Figure 4-3 identifies the initial needs and deficiencies as a result of the analysis deficiencies as a result of the analysis
and focus group input. More than 120 issues were identified. A listing of issues identified by there the Appendix. The most common issues included those listed in Figure 4-4, which
recognizes the key issues that were identified in the Focus Groups that were held in July 2014.
A variety of analysis techniques were used to identify network deficiencies in the existing Montgomery County road network, which are detailed below.
THOROUGHFARE SPACING
Desirable thoroughfare spacing is a function of the capacity of the system, transportation facilities, and the effect on the freeway system. Spacing was reviewed to ensure logical roadway layout consistent with standard transportation planning practices. In general, the ideal standard for sufficient coverage of "Major Thoroughfares" is a network grid spaced from one to five miles apart, whereas "Thoroughfares" are approximately one mile apart. The majority of Montgomery County's current roadway network is deficient in this spacing.

CORRIDOR GAPS
Identifying gaps, in otherwise continuous roadway segments, assists in determining potential restrictions to traffic flow that create an operational strain on the surrounding arterial network. The completion of a small roadway segment between two existing facilities can significantly reduce detours. The MCTP gives neighboring communities an opportunity to see how individual roadway systems affect areas larger than just one city/community. By eliminating the corridor gap, connectivity is improved and travel time is reduced.

NON-CONTINUOUS REGIONAL ROUTES Providing for long trips over continuous routes that link multiple city or county population and employment centers is important for mobility and orderly development. Identifying the corridors where anticipated traffic demand exceeds the operational capacity of the facility is essential for financially responsible planning and programming of transportation
mprovement funds. "Regiona
Thoroughfares" will play an increasingly important part serving as alternate routes to relieve congested freeway corridors. Currently there is only one regional route, SH 105, which completely traverses the county from east to west. IH 45 and IH 69/US 59 are the only routes that traverse the county from north to south. Additional regional routes are needed in order to provide alternative routes, disperse traffic and improve connectivity throughout the County.

CROSSINGS OVER NATURAL BARRIERS
Montgomery County is home to Lake Conroe (Figure 4-5) and numerous rivers, creeks and streams. These natural barriers, along with their floodways and floodplains, present a significant challenge to roadway connectivity in Montgomery County, directly obstructing north-south and westeast travel. As was mentioned previously, approximately $22 \%$ of Montgomery County's total area is located either within a floodway (FEMA Zone AE) or 100-year floodplain (FEMA Zone A).

It is recognized that building roads through floodplains and floodways is difficult and expensive. The processes of environmental analysis, potential mitigation, and applying for and obtaining permits from the US Army Corps of Engineers can be lengthy and costly, but this deficiency must be addressed to ensure that the future roadway network can support population and employment growth over the next 30 years.

The MCTP has been designed to minimize roadway connections through floodplains as much as possible. However, given the County's geographic characteristics, any comprehensive roadway network in Montgomery County will necessarily require connections through floodplains and floodways.

Where roadways through floodplains are required, proactive planning is of


Figure 4-3: Corridors For Evaluation

| ROAD | ISSUE(S) IDENTIFIED |
| :--- | :--- |
| FM 1097 | Congestion from west side of Lake Conroe to IH 45 |
| FM 149 | Congestion from SH 1-5 to FM 1488 |
| FM 2854 | Congestion from SH 105 W to IH 45* |
| FM 830/Seven Coves | Congestion from Lake Conroe to IH 45 |
| Gosling/Peoples | Extend from SH 242 to Old Conroe Road* |
| Honea Egypt/Fish Creek Thoroughfare/McCaleb | Congestion from FM 1488 to SH 105* |
| Loop 336 S | Congestion from FM 2854 to SH 105 E |
| Old Conroe Road | Extend and improve from FM 1488 to Loop 336 S |
| SH 105 at FM 149/SH 105 at FM 149 | Congestion and safety issues |
| SH 75 | Congestion from FM 3083 North to IH 45 |
| Sorters | Congestion from FM 1314 to IH 69/US 59* |
| *All or partly in H-GAC's Regional Transportation Plan |  |

Figure 4-4: Key Issues

MONTGOMERY COUNTY THOROUGHFARE PLAN 2016
critical importance. Early identification of environmental issues, close collaboration between participating federal, state, and local entities as well as developers, and identification of funding sources well in advance of enginering and construction all steps that should be taken to lessen he burdens required of building roadways the burdens required of building roadways through floodplains and floodways.

SOUTH COUNTY MOBILITY PLAN (SCMP)
The SCMP is a detailed mobility plan that was completed in the Fall of 2015. The study area included all of Montgomery County Precinct 3, the Cities of
Shenandoah and Oak Ridge North, The Woodlands Township and small parcels Montgomery County Precincts 2 and 4 as well as a small portion of Harris County, , rommend thoroughfares from Tan were incorporated directly MCTP (Figure 4-6)

PUBLIC INPUT
As mentioned in Chapter 3, an extensive public involvement plan was implemented. The four public meetings resulted in numerous comments that influenced the devel deven ents were submitted November 0 - December 4 2015. Copies of these - Decent , 2015. Copies of these The following key concerns were expressed:

- Aldine Westfield extension via Scarlet Oak Trail (White Oak Estates)
- Against any thoroughfare through

Cimarron Country
Woodlands Parkway extension is needed

- Support of thoroughfare on Superior Road
- Connect Old Conroe Road/Magnolia Road to Sergeant Holcombe
- Support Magnolia Loop/Magnolia Bypass
- Support Loop around Conroe


Figure 4-6: SCMP Long Term Recommendations


Figure 4-7: Comments from MISD. Locations where they would like to see existing roads widened and new roads built.


Figure 4-5: Natural Barrier - Lake Conroe (Source: C Mullins, 2015)


BEFORE


AFTER

Figure 4-8


Figure 4-9: Proposed plat in Precinct 4

- Concern over San Jacinto River crossings
- Oppose Peoples Road impact
- Alternatives to IH 45 are needed throughout the County
Magnolia Independent School District (MISD) brought their comments to the public meeting in the form of a letter and map describing the needs of the MISD transportation Department. (Figure 4-7). To better serve the residents, they recommended that several existing roads be widened to accommodate school buses better as well as the approximate location of new roads that would make their bus system operate more efficiently. Currently, the buses in many parts of MISD have to travel long distances to reach children due to lack of road connectivity and gaps in the Montoomery County roadway network. It Montgomery County roadway network. MISD requested were already in the MCTP Mraft and no modification to the MCT Draft and no modification to the draft plan

There were two proposed thoroughfares that raised significant attention at the public meetings. The first major issue was the meosition to extend Aldine Westfield Road via Scarlet Oak Trail. This extension was a direct carry over from previous was a direct carry over from previous Road has been in the Thoroughfare Plan Road has been in the Thoroughfare Plan since 1979. This road would provide the only nort-south connection from SH to the City of Conroe west of the San Jacinto River. In addition, the developer of Scarlet Oak subdivision dedicated 100 feet of right-of-way to the County when the development was being platted. No additional ROW along Scarlet Oak Trail would be required. This proposed thoroughfare remained on the map.
The second was opposition to a proposed The second was opposition to a propo
thoroughfare road shown adjacent to Cimarron County. The intended purpose of this thoroughfare was to provide an additional north-south facility that would provide traffic relief to Honea Egypt/ Fish Creek Thoroughfare/McCaleb. Due
to the projected growth in this area, and the fact that Honea- Egypt/Fish Creek Thoroughfare/McCaleb is the only route that connects FM 1488 and SH 105 in a 14-mile stretch between IH 45 and FM 149 here will be an extremely high demand for an alternative route.
he draft plan was modified as a result of the public input. First, there is not an existing proposed road on either the City of Conroe or Montgomery County's Thoroughfare Plan and, secondly, it was discovered that HEB had purchased land and was building a store on FM 1488 at Tamina Road, eliminating the possibility of having a thoroughfare in that location. As a result, the draft plan was modified by ending Honea-Egypt Road at Corrolla, yamina Road was not extended north, and Old Ho Egypt was designated as collector from Corrolla to Honea Egyp Fish Creek Thoroughfare/McCaleb (Figure 4-8).

Other modifications were made. The City of Houston asked that collectors be shown in the areas that were located within the City of Houston's ETJ. Precinct 4 asked that road alignments be adjusted to coordinate with a major development that was about to be platted (Figure 4-9)


## 2016 THOROUGHFARE PLAN



This chapter presents the result of the MCTP study Figure 5-1 shows the 2016 Montgomery County Thoroughfare Plan that was adopted by Commissioners Court on January 26, 2016. Figure 5-2, Functional Classification Map, classifies each road as an interstate/freeway/toll road, major thoroughfare, thoroughfare or major collector. These maps are the most essential elements of the MCTP.

Water features, topography, the built environment and county boundaries were all considered during the analysis of the system. However, this analysis was performed at a high level; as the need for a given roadway becomes apparent, more detailed studies will be necessary to refine alignments, investigate potential environmental impacts, and determine the ultimate design of the roadway (i.e. cross sections, bridges, intersection geometries, and the like). Subdivision plats that include thoroughfares should be developed in collaboration with, and under the review of, the County and, where appropriate, municipal agencies.

## DESIGN CRITERIA

FUNCTIONAL CLASSIFICATION In addition to defining a thoroughfare network, a classification was assigned to the each of its roadways. Functional classification is the process by which local and regional roadways are grouped into hierarchal categories according to the transportation objectives they are intended to provide. This process identifies the role each roadway serves in the context of the larger transportation system. Functional classifications for the plan were based on a variety of considerations, including whether mount of traffic it currently or is expected amoun Functional classifications expect town in Figure $5-2$ and listed by corridor in the Appendix.

Transportation systems are designed to serve a diverse range of travel needs, from long-distance travel between cities to local trips between home and retail areas, schools, employment, and other service schools, employment, and other service ocations. Assigning a functional class to that the transportation system can serve he diverse travel needs of users in a logical and efficient manner.

Functional classifications provide a basis for selecting appropriate speed and geometric design criteria for a given roadway. However, this does not mean that the functional classification for a given roadway prescribes specific design criteria. Instead, he actual configuration of roadways is subject to review and adjustment to ensure facility design is coordinated with adjacent development, takes into account the development character of the area which the roadway serves (urban, suburban or ural), and meets other community goals and objectives.


Figure 5-2

MOBILITY VS. ACCESS
The two primary travel needs served by roadways are mobility, which is the ability to move people or goods efficiently between locations, and access, which is the ability to reach numerous desired destinations. While all roadways serve these two needs to at least some degree, certain types of roadways serve one need better than the other. Highways, for example, provide a high degree of mobility, facilitating higher-speed, longerdistance travel between destinations by providing minimal traffic conflicts and few opportunities to enter/exit the roadway. Such roadways are classified as Interstate Freeway/Toll Roads under the functional classification system specified in this MCTP. Neighborhood streets, on the other hand, provide a high degree of access (to homes, shopping centers, etc.), but offer lower mobility due to the presence of driveways, traffic signals, lower speeds and other design characteristics. These roadways are classified as Local Streets under this functional classification system (Figure 5-3, Source: FHWA).

If an entire system was built as Interstate/ Freeway/Toll Roads there would be wasted roadway capacity and excessive amounts of land dedicated to road space, while at the same time the system would provide limited access to activities and homes. On the other hand, if the network was purely Local Streets, the network would be gridlocked without enough capacity, high volumes and slower traffic speeds. Varieties of roadway types are needed to make a network functional and create different roadway and intersection traffic densities.

The Montgomery County Functional Classification System has four primary functional classes which are listed below. This thoroughfare plan focuses mainly on the Major Thoroughfares and Thoroughfares (known in some jurisdictions as "Arterials") and Major Collectors within the County.

NTERSTATE/FREEWAY/TOLL ROAD (F) Interstate/Freeway/Toll Road (F) roadways provide a high degree of mobility by serving travel between major destinations, as well as long-distance traffic that goes through or bypasses an area. They are designed to minimize travel time by providing high posted speed limits, offering physical separation from other roadways nd modes (e g no at-arade intersections, and mos, or bicycle lanes) and providing, sidewalks, or ber and providing linited, of acess/ess poin (e.gh-volume thoroughfares often have more than two lanes in tirection more medin, and a least way. Roadways of this type usually have both inside and outside shoulders.

## MAJOR THOROUGHFARES (MT)

Major Thoroughfares(MT) (also known as major arterials) provide a high degree of regional mobility by serving travel between major destinations and activity centers. They also serve long-distance traffic that goes through or bypasses an area and connect traffic into and between interstate and freeway thoroughfares. The number of lanes can vary between four and eight lanes in each direction. Medians are typically present, may contain left turn lanes, and usually have infrequent openings. There are limited driveway and street intersections, and no on-street parking. There is no grade separation between Major Thoroughfares and smaller intersecting roadways; however, depending on intersection volumes, grade separations between Major Thoroughfares can occur an example in Montgomery County is Woodlands Parkway at Grogan's Mill). Major Thoroughfares have a minimum ight-of-way of 120 feet. Wide (greater han 6 feet) sidewalks and bicycle lanes can be found along Major Thoroughfares, especially in urban areas, and shoulders may be present, especially in rural areas.

THOROUGHFARES (T
Thoroughfare (T) (also known as Minor Arterials) are intended to connect traffic into and between the principal arterial systems. They can serve trips of moderate length by connecting smaller geographic areas. While they provide slightly less mobility benefit than Major Thoroughfares, they are still characterized by relatively high travel speeds, low interference from cross traffic, and provide greater local accessibility Typically there is no grade separation between Minor Thoroughfares separion beting roadway of similar classification. Medians are oftentimes classificaion. Medians and may presentin turn lanes. On-street parking, large (6-
oot) sidewalks and bicycle lanes can be ound on Thoroughfares, especially in urban areas. Thoroughfares have a minimum right-of-way of 100 feet, the presence and width of shoulders varies, based upon space available and the character (urban, suburban, or rural) of the area served.

## MAJOR COLLECTORS (C)

Major collectors (C) provide a balance between mobility and access, primarily serving to collect traffic from local treets and provide connections to arterials. In urban areas, collectors provide raffic circulation in residential areas or commercial districts, while in rural areas they primarily serve travel within the county


Figure 5-3: Mobility vs. Acces

| THOROUGHFARE TYPE | ABBREVIATION | TOTAL NUMBER OF LANES | MINIMUM RIGHT OF WAY | DESIGN SPEED | VEHICLES PER DAY | $\begin{aligned} & \text { MINIMUM } \\ & \text { INTERSECTION } \\ & \text { SPACING } \end{aligned}$ | MINIMUM SHOULDER WIDTH ${ }^{1}$ | TYPICAL CHARACTERISTICS |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Freeways/ Tollways | F | 4 or more | 400ft | >50mph | > 40,000 | No at-grade intersections | $8-12 \mathrm{ft}$ | - Includes Interstate Highways, Freeways, Expressways and Tollways <br> - High degree of access control <br> - All interchanges are grade separated <br> - No median openings ${ }^{2}$ <br> - No bicycle lanes |
| Major Thoroughfare (Major Arterial) | MT | 4 to 8 | 120ft | 40-50mph | $\begin{aligned} & 20,000- \\ & 60,000 \end{aligned}$ | 400-500 ft | $2-8 \mathrm{ft}$ | - Higher speeds and regional mobility <br> - Infrequent median openings ${ }^{2}$ <br> - Limited driveway and street intersections <br> - No on-street parking <br> - Sidewalks (min. 6 ft ) encouraged, esp. in urban areas <br> - Bicycle lanes permitted |
| Thoroughfare ( Minor Arterial) | T | 4 to 6 | 100 ft | $35-45 \mathrm{mph}$ | $\begin{aligned} & 10,000- \\ & 30,000 \end{aligned}$ | $300-400 \mathrm{ft}$ | $2-8 \mathrm{ft}$ | - Greater local accessibility <br> - Infrequent median openings ${ }^{2}$ <br> - Limited driveway and street intersections <br> - Permitted street parking <br> - Sidewalks (min. 6 ft) encouraged, esp. in urban areas <br> - Bicycle lanes permitted |
| Major Collector | c | 2 to 4 | 80 ft | $35-40 \mathrm{mph}$ | $\begin{aligned} & 5,000- \\ & 30,000 \end{aligned}$ | 250-300 ft | $2-8 \mathrm{ft}$ | - Accessibility to and from local communities and activity centers <br> - Frequently median openings, driveway and street intersections ${ }^{2}$ <br> - Permitted street parking <br> - Sidewalks may not be present, especially in rural areas <br> - Bicycle lanes permitted |
| 1. May not be possible to provide shoulders in all areas <br> 2. Raised medians are recommended for all roadways carrying 20,000 or more vehicles per day |  |  |  |  |  |  |  |  |



Figure 5-5: Major Thoroughfares (MT)

URBAN OR SUBURBAN THOROUGHFARE (4 TO 6 LANES)


Figure 5-6: Thoroughfares ( T )

URBAN OR SUBURBAN MAJOR COLLECTOR (2 TO 6 LANES)
RURAL MAJOR COLLECTOR (2 TO 4 LANES)


Figure 5-7: Major Collectors (C)

(i.e. trips shorter than those served by thoroughfares). Major Collectors specifically provide access to and from local communities and activity centers. They are characterized by more frequent median openings than previously mentioned roadways, and more driveway and street intersections. The minimum right-of-way for Major Collectors is 80 feet. Sidewalks and bicycle lanes can be provided along Major Collectors, especially in urban areas. Availability and width of shoulders varies.

To allow for a greater flexibility in subdivision design and to encourage local governments to develop minimum and maximum street intersection spacing standards that meet the needs of their communities, the MCTP does not classify ommunities, the or local roads, which are generally local or or local roads, which

TYPICAL ROADWAY CROSS-SECTIONS Design criteria recommendations for the roadway classifications described above are described and illustrated in the following sections. The design criteria are based on the goal of achieving a safe, efficient and connected thoroughfare network. Standard design criteria are summarized in Figure 5.4 and standard sections are illustrated in Figures 5.6, 5.7 and 5.8. Full size roadway cross-sections can be found in the Appendix.

The functional classification table, shown in Figure 5.4, describes the basic design characteristics - design speeds, number of lanes, traffic volume and intersection spacing - regardless of whether the oadway serves an urban, suburban or rura area. However, as the standard sections indicate, there may be some difference in the design details of a given roadway depending on the character of the area which the roadway serves. For example, urban and suburban roadways might have sidewalks, curb-and-gutter construction, no shoulders, and raised landscaped medians,
whereas rural roadways might not have sidewalks, be built with open trenches, have shoulders, and have continuous left turn lanes or no medians at all.
Standard lane widths are 12 feet, except where shared use lanes (for bicycles) are provided. Raised, landscaped medians are recommended for all roadways carrying more than 20,000 vehicles per day. Further discussion of medians can be found in the following chapter.
The standard sections illustrated on the previous pages are conceptual in nature and do not take into account local factors such as land use character, available right-of-way, environmental conditions and local situations that could alter the design of a roadway in a given location. Detailed engineering studies and design will be required for all roadways as they are implemented.

NEW THOROUGHFARES
The results of a detailed analysis and public input can be seen in the graphic below. Although many of the corridors in the adopted plan were on a previous thoroughfare plan, there were numerous corridors, as seen in Figure 5.3, that were not previously in the 1979, 1985, 1988 or 2012 thoroughfare plans

INTERSECTION SPACING
As the number of intersections per mile increases, the opportunity for vehicle conflicts that may result in crashes also increases. The existence of too many intersections per mile also has the potential to increase delay and congestion. However, too few intersections can limit access, as motorists need intersections to reach activities and destinations. Internal cross-access between parcels is highly encouraged to facilitate adequate access to multiple destinations while minimizing vehicle conflicts on thoroughfares.

## SIGNALIZATION

In Montgomery County, several agencies receive requests for traffic signals at existing, un-signalized intersections. With few exceptions, a traffic signal will only be installed if it meets one or more of the eight (8) warrants in the Texas Manual of Uniform Traffic Control Devices (TXMUTCD). It is recommended that the warrant criteria set forth in the TXMUTCD we used in evaluating the need for a signal be used in evaluating the need for a signal further study using traffic observations further study using traffic observations
(vehicle, pedestrian and bicycle counts) and collision history.

SUBDIVISION REGULATIONS
Subdivision (or land division) regulations provide the procedures and standards for dividing a large parcel of land into smaller parcels for sale and development Subdivision regulations require a developer to meet certain conditions in order to record a plat. They address the quality
of development (the availability of public services, services the sub-divider must provide, the layout of the site, etc.). The way in which land is divided plays a key role in the orderly development of a community. Failure to plan for the subdivision of land impacts many areas of governance and development such as the tax burden, the high cost of extending utilities, street and raffic problems, overcrowded schools, health hazards caused by waste water reatment systems unsuited to a particular area, and a loss of a sense of community Source: Guid to Community Planning Sow . Gisce Bria W. Ohm Board of Regents of the University of Wisconsin System, 1999).

Montgomery County and many of its municipalities have subdivision regulations with specific clauses requiring development oreserve the right-of-way needed for thoroughfares. Relevant excerpts from the regulations and ordinances are shown below.

Montgomery County Subdivision Rules and Regulations states the following:
"For divided major thoroughfares the developer will be required to build a minimum of a 24 foot street section and dedicate the ultimate rights-ofway." (Montgomery County, Texas, Subdivision Rules and Regulations
Subdivision Rules and Regulations § 3.2-A1)

City of Conroe Code of Ordinances states the following under Section 94-296.
"Improvement, widening and alignment of existing or proposed streets.
a. Where a proposed subdivision abuts on or is traversed by a major thoroughfare proposed by the master plan, the developer may be required to coordinate the dedication and construction of streets to the proposed right-of-way corridor. Where the right-of-way and paving requirements of the proposed street exceed what is
necessary to serve the proposed subdivision, the developer may be equired to dedicate and construct within the corridor a street which meets the needs of the proposed development only, while reserving an area for future expansion of the right-ofway in accordance with the city's policy on land reservation.
b. Where a proposed subdivision abuts on or is traversed by an existing substandard street which will provide access within the subdivision, then the developer may be required to dedicate additional right-of-way and improve the street to the standard applicable to a street which would meet the needs of the proposed development.
c.Where an existing street other than a major thoroughfare is to be extended, the extension must possess right-ofway and pavement widths which are not less than the existing portion of the street." (City of Conroe, Texas, Code of Ordinances § 94-296)

The Woodlands Township Subdivision Regulations state the following.
"No improvement may be constructed or placed in a street right-of-way without approval by Montgomery County and/or Harris County. Approval by the Plan Review Committee does not constitute approval by the county. Any improvement constructed within an easement or in county jurisdiction without the consent of the easement holder is subject to removal. Plan Review Committee approval of plans for an improvement within an easement does not constitute approval by the additional easement holders or other entities." (The Woodlands Township, Texas, Subdivision Regulations § 3.4.1B)

The City of Willis Code of Ordinances defines reserving right-of-way as follows:

Minimum width for residential street pavement in a 50 foot right-of-way shall not be less than 28 feet for collector


Figure 5-3 New Thoroughfare Corridors
streets and 22 feet for cul-de-sac and minor residential streets back-to-back of curb. For divided major thoroughfares, the developer will be required to build a minimum of a 24 foot street section and dedicate the ultimate rights-ofway." (The City of Wills, Texas, Code of Ordinances § 154.24)

Besides ROW preservation, other
subdivision regulations in use by some
agencies include the following elements

- Utility buffers
- Street furniture and landscaping
- Pavement thickness
- Functional classification and access determinations ba units or land use
To be effective, subdivision regulation must be integrated with other local government plans, policies, and ordinances Communities need to make sure that the
requirements of their zoning ordinances are consistent with the requirements of their subdivision regulations. Subdivision regulations also need to be coordinated with the MCTP map and capital improvement plans and policies. A solid county planning process can help ensure that all plan implementation tools are working consistently to achieve the county's objectives. (Source: Guide to Community Planning in Wisconsin, Brian W. Ohm, Board of Regents of the University of Wisconsin System, 1999)

It is recommended that Montgomery County and the City of Conroe update their subdivision regulations to represent the recommendations contained in this document.


## RECOMMENDATIONS

## RECOMMENDATIONS

The 2016 Montgomery County Thoroughfare Plan will result in a wellconnected transportation system for the residents and businesses of Montgomery County to travel to, from, and within local communities by accomplishing the following:

- Preserve adequate rights-of-way for future expansion and connectivity.
- Establish county-wide design standards that enhance the safety and movement of all County roadway users and aid the transition from rural to urban land uses.
- Institute policies and procedures to coordinate and optimize transportation investments in the County.
- Require collaboration with the development community to ensure that roadway investments satisfy existing and future growth needs


## IMPLEMENTATION

The MCTP represents a build-out of the County's ultimate thoroughfare system and does not attempt to represent the need for or the timing of specific construction projects. This is a true longrange plan based on currently existing plans approved by local elected officials. Constant input from the local government planning process is necessary to maintain a current inventory of thoroughfares. This Plan provides a logical scenario of arterial development based on current trends as well as expectations of the future.

This plan should be used as a guide for local planning to support and promote orderly and planned growth. It should also be a starting point for needs-based arterial studies. This plan may be used as a basis for city or county bond programs, regiona land-use plans, economic development initiatives, and regional transportation plans.

The development of effective implementation policies will enable
government officials, engineers, planners
and local stakeholders to ensure that the vision and guiding principles of this plan are put into practice as development occurs within the county.

## POLICY

The following MCTP Policies are intended to be complimentary to and coordinated with the MCTP map. Both the policies and the map are to be considered and interpreted within the context of the guiding principles described in Chapter 1 of this document.

## COMPLETE STREETS

Montgomery County recognizes that each street is a system of inter-related components serving a wide variety of users. Complete Streets are meant to provide safe, accessible and convenient use by a variety of users including motorists, transit riders, pedestrians and cyclists. These street system components may include, but are not limited to, vehicle travel lanes, bicycle travel lanes, drainage facilities, utilities, sidewalks, street trees, transit infrastructure, on-street parking, street signs, and lighting.

## CONTEXT SENSITIVE SOLUTIONS

 As Montgomery County continues the ransition from a mostly rural area to one defined by increasing urbanization, the interaction between transportation system users, communities, and the surrounding and uses should play a significant role in how transportation system projects re designed and implemented. The horoughfare plan considers the significance of the role and encourages the use of Context Sensitive Design policies o better merge individual and community needs, while maintaining system mobility, and the community's aesthetic quality.Context sensitive solutions involves a collaborative approach that involves all stakeholders in developing a transportation acility that complements its physical
setting and preserves scenic, aesthetic historic and environmental resources while maintaining safety and mobility.

Montgomery County may use context sensitive solutions to effectively merge the past aesthetics of the community with the new development patterns in ways that maintain the local rural character, but does not sacrifice efficiency or impede accessibility to new area destinations.

## ACCESS MANAGEMEN

In order to improve traffic safety and protect the functional integrity of the street system in Montgomery County this MCTP recognizes the importance of access management. Access management is the careful planning of the location, desion, and operation of driveways, median openings, interchanges, and street connections. The purpose of access management is to provide access to land development in a manner that preserves the safety and efficiency of the transportation system.

Access Management improves safety by limiting the number of conflict points along a roadway by limiting the number of driveways and median openings and restricting certain movements of some median openings (Figure 6-1). The following list is a set of techniques that state and local governments can use to control access to highways, major arterials, and other roadways

- ACCESS SPACING: Increasing the distance between traffic signals improves the flow of traffic on major arterials, reduces congestion, and improves air quality for heavily traveled corridors.
- CROSSING ACCESS EASEMENTS: Internal cross-access between parcels can e provided to tacilitate adequate access to multiple destinations while minimizing vehicle conflicts on thoroughfares.
DRIVEWAY SPACING: Fewer driveways spaced further apart allow for more
orderly merging of traffic and presents fewer challenges to drivers
- SAFE TURNING LANES: Dedicated leftand right-turn, indirect left-turns and -turns, and roundabouts keep through traffic flowing. Roundabouts represent an opportunity to reduce an intersectio crash history (T-bone crashes) to one that operates with fewer conflict points and less severe crashes (sideswipes) if they occur.
- MEDIAN TREATMENTS: Two-way left-turn lanes (TWLTL) and raised landscaped medians are examples of some of the most effective means to regulate access and reduce crashes Raised, landscaped medians ar more restrictive in terms of access also provide a degree of safety that continuous TWLTLs do not. Raised, landscaped medians with openings are recommended for all roadways carrying more than 20,000 vehicles per day
- RIGHT-OF-WAY MANAGEMENT: As pertains to ROW reservation for future widening, good sight distance, access location, and other access-related issues
It is important for Montgomery County to develop access management standards o achieve a balance between property access and functional integrity of the road systems. Studies show that implementing access standards increases roadway capacity reduces crashes (Figure 6-2) and pduces travel time for motorists. (Source: ederal High Administration webste) Athough a road way may eve tuall need be widened good access management to be widened, good access management practices can delay the need to widen the road for several years. In cases where roadways cannot be widened, good access management wil help reduce congestion Source: Access Management, Balancing


Figure 6-1: Limiting conflict points. (Source Access Management, Balancing Access and 2013)

Crash Rates for Median Treatments
Florida Crash Study
 Long, Gan, Morrison, University of Florida 1993

Figure 6-2: Crash reduction rates for median Figure 6-2:
treatments

Access and Mobility, Florida Department of Transportation, 2013)

## POTENTIAL FUNDING

## OPTIONS

The MCTP designates a system of major roadways throughout the county intended to provide adequate access and trave mobility. Since the Plan is not a list of construction projects, this section is for guidance only in the event funding is needed. There are many development tools and strategies available to local jurisdictions to implement the thoroughfare plan. These items will be discussed with an emphasis on encouraging greater coordination of effort among local jurisdictions, private land developers, and other area stakeholders. In addition to the federal and state funding available through the H-GAC RTP/ TIP process, Iocal jurisdictions and stia proces, lize exting funding molis can utilize existing fund or collaborate to create new ones were appropriate.

The State of Texas provides an array of tools to help local and county governments encourage and maintain the economic vitality of their jurisdictions. Tools applicable to the County are described below.

TAX INCREMENT FINANCING (TAX CODE, CHAPTER 311)
Tax Increment Financing is a tool that local governments can use to publicly finance needed structural improvements and enhanced infrastructure within a reinvestment zone. These improvements are usually undertaken to promote existing businesses and/or to attract new business to the area.

LOCAL GOVERNMENT CODE CHAPTER 387 Local Government Code Chapter 387 allows counties to create County Assistance Districts that are funded by a portion of sales taxes. Any county may adopt this sales tax, in all or part of the county, if the new combined local sales
ax rate would not exceed 2 percent at any location within the district. A county may create up to four county assistance districts, but not more than one district may be created in a commissioner's precinct. The commissioners' court may serve as the governing body of the district; r alternatively, the commissioners' court by order, may appoint a board of directors o administer the district. A county assistance district may fund construction maintenance or improvement of roads or highways; provision of law enforcement and detention services; maintenance or improvement of libraries museums, parks or other recreational facilities; promotion of economic development and tourism; fire fighting and fire prevention services and provision of services that benefit the public welfare.

CHAPTERS 380 (CITIES) AND 381
(COUNTIES) OF THE LOCAL GOVERNMEN CODE
Chapters 380 (cities) and 381 (counties) of the Local Government Code grant cities and counties broad discretion to make loans and grants of public funds or the provision of public services, at little or no cost, to promote all types of business development including industrial, commercial and retail projects. Each greement can be uniquely tailored to address the specific needs of both the local government entity and the business prospect.

PUBLIC IMPROVEMENT DISTRICTS (PID) LOCAL GOVERNMENT CODE, CHAPTER 372)

Public Improvement Districts (PID) (Local Government Code, Chapter 372) offer cities and counties a means for improving heir infrastructure to promote economic growth in an area. The Public Improvement District Assessment Act allows cities and counties to levy and collect special and counties to levy and collect special assessments on properties that are with Additional financing options are available
to certain large counties. PIDs may be formed to create water, wastewater, health and sanitation, or drainage improvements: street and sidewalk improvements; mass transit improvements; parking improvements; library improvements; park, recreation and cultural improvements; landscaping and other aesthetic mprovements; art installation; creation of pedestrian malls or similar improvements supplemental safety services for the improvement of the district, including public safety and security services; or supplemental business-related services for he improvement of the district, including advertising and business recruitment and development.

Other possible methods to fund future roadway projects include the following

IMPACT FEES
Impact Fees impose a charge on new development to pay for the construction or expansion of off-site capital improvements hat are necessitated by and benefit he new development. Impact fees are authorized through the police power; not the taxing power. They are part of the development approval process. Requiring an impact fee to provide adequate public acilities is similar to meeting site planning and zoning requirements. Many builders and developers are impact fee proponents because they know that impact fees add predictability to the development approval process and create a "level playing field" between them and their competitors. They also know impact fees replace less fair negotiated exactions. (Source: ImpactFees com)

## HOROUGHFARE FUND

A thoroughfare Fund is a designated funding source, created by a city or county would be used to fund all elements of a major or minor thoroughfare including construction (travel lanes, sidewalks, bicycle lanes etc.), Right-of-way acquisition and engineering costs. (Source: City of

Columbus Thoroughfare Plan, Columbus, IN, www.columbus.in.gov)

## PARKING TAX

A parking Tax a source that, at perhaps \$5 per space, could be dedicated exclusively for roadway projects.

## PRO-ACTIVE APPROACHES

Pro-active approaches could help to move projects forward in H-GAC's Transportation Improvement Program. Examples include:

- County and/or local jurisdictions county and/or local jurisdictions
acquiring right-of-way in advance
- Encourage landowners and developers o donate right-of-way
- County and/or local governments can fund feasibility and traffic studies, environmental studies and preliminary engineering and design
- County and/or local governments could pay the full cost of relocating utilities and pipelines and constructing drainage mprovements


## INTERPRETATION OF THE

## MCTP MAP

The 2016 MCTP Map shows a number of new street connections to be made at an undefined point in the future. The vast majority of these new connections are likely to be constructed in segments, if and when development occurs in those areas. In no instance should any of these connections on the MCTP Map be interpreted as showing exact alignments for new streets, as they are instead intended to represent conceptual connections from one location to another.

It is recognized by this document that the actual implementation of the new connections shown will be highly dependent on numerous unknowns, such as future traffic demand, timing and location of future development, environmental findings, and engineering and financial feasibility. These unknowns
do not invalidate the need for or content of this Plan, but rather reinforce the appropriateness of viewing the new connections as conceptual. As such these new connections should in no way be interpreted as or used to limit the current use of the areas in which they are located. These conceptual connections should, however, be incorporated into new subdivisions and other developments in these areas.

Further, in no way should any future connection shown on the MCTP map be interpreted as establishing an easement or right-of-way for that connection or in any way claiming private property for public use

## NEXT STEPS

The Thoroughfare Plan has been adopted and this study document has been completed. However, there are still steps hat need to be completed by the Count in order for this plan to be successfully implemented, including.

- Updating existing subdivision regulations;
- Instituting policies and procedures to coordinate and optimize transportation nestments in the county
- Collaborating with the development community to ensure that roadway investments satisfy existing and future growth needs;
- Coordinating with Conroe, Willis, Montgomery, Magnolia, Oak Ridge North, Shenandoah, Houston and other cities that have a thoroughfare plan to ensure their Thoroughfare Plan complements the MCTP;
- Developing a process to amend the thoroughfare plan; and
- Updating the thoroughfare plan every 5 years.


## SUMMARY

The 2016 MCTP, Figure 6-3, is a long range ( $50+$ years) plan that identifies the type and general location of future roadways; preserves transportation corridors
(i.e. right-of-way); and guides future development. It is not a list of construction projects; a survey, design or engineering study showing the exact alignments of roadways; a time frame for when a project should be complete; a funding mechanism or a promise to build roads

The MCTP will promote connectivity and design uniformity throughout Montgomery County. Local and county wide planning efforts will greatly benefit from the MCTP through its description of the intended major transportation network and its provision of a single source of information for the review of the key roadway infrastructure currently existing or being planned in the future. Local governmental agencies are encouraged to use this information to help in the development, modification, and implementation of their local plans.

Changes will be made to the thoroughfare plan over time; however the County should make all reasonable efforts to maintain the original integrity of the plan and its basic theory, and keep changes and revisions to a minimum. It will be necessary to maintain the plan's continuity and ensure confidence in the plan's long -range implementation by private land owners.

The 2016 MCTP is intended to represent the intentions and expectations of individual cities and Montgomery County in developing an ultimate thoroughfare system while maintaining a regional perspective. The County is responsible for maintaining the MCTP for the guidance of development of the street and highway network which will provide a high level of mobility and accessibility for the majority of the citizens, present and future, of this County.


Figure 6-3: 2016 Montgomery County Thoroughfare Plan

APPENDIX


## HAE <br> JULY 2016



## TABLE OF CONTENTS

CONGESTION CALCULATIONS ..... 4
1979 MAJOR THOROUGHFARE PLAN MAP ..... 10
1985 MCTP MAP UPDATE ..... 11
1998 MONTGOMERY COUNTY MOBILITY PLAN MAP ..... 12
2012 AND 2015 THOROUGHFARE PLAN MAP ..... 13
2016 MCTP: JULY 2014 FOCUS GROUPS ..... 14
2016 MCTP: SEPTEMBER 2015 FOCUS GROUPS ..... 38
2016 MCTP: PUBLIC MEETINGS ..... 50
2016 MCTP: CORRIDOR INVENTORY LIST ..... 148
2016 MCTP: DESIGN CRITERIS AND ROADWAY CROSS-SECTIONS ..... 155

ASSUMPTIONS:

| Base saturation flow rate - arterial | 1900 | vphpl |
| :--- | :--- | :--- |
| Green time | $50 \%$ |  |
| Lane capacity - arterial | 950 | vphpl |
| Lane capacity - two-lane highway | 1700 | vphpl |
| Lane capacity - multi-lane highway | 2000 | vphpl |
| Lane capacity - freeway | 2400 | vphpl |
| Directional distribution | 0.6 |  |
| Peak hour distribution | 0.1 |  |
| vphpl: Vehicls per hour per lane |  |  |


| ROADWAY | BOUNDARIES | 2012 ADT | 2013 ADT | \# LANES | $\begin{aligned} & 2012 \text { VOLUME } \\ & \text { (VEH/HR/LN) } \end{aligned}$ | 2013 VOLUME <br> (VEH/HR/LN | FACILITY TYPE | CAPACITY (VEH/HR.LN) | $\begin{aligned} & 2012 \\ & \text { V/C } \end{aligned}$ | $\begin{aligned} & 2013 \\ & \text { v/f } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 494 | South of FM 1485 | 7900 | 4284 | 2 | 435 | 236 | Arterial | 950 | 0.46 | 0.25 |
| 494 | North of FM 1485 | 9700 | 5508 | 2 | 534 | 303 | Arterial | 950 | 0.56 | 0.32 |
| 494 | South of US 59 | 1300 | 745 | 2 | 72 | 41 | Arterial | 950 | 0.08 | 0.04 |
| 494 | North of FM 1314 | 8900 | 4998 | 2 | 490 | 275 | Arterial | 950 | 0.52 | 0.29 |
| 494 | South of FM 1314 | 17700 | 16250 | 2 | 974 | 894 | Arterial | 950 | 1.02 | 0.94 |
| 494 | . 5 mile south of FM 1314 | 7900 | 3366 | 2 | 435 | 185 | Arterial | 950 | 0.46 | 0.19 |
| 494 | 2.25 Miles south of FM 1314 | 7700 | 3264 | 2 | 424 | 180 | Arterial | 950 | 0.45 | 0.19 |
| 494 | Mile North of FM 1314 | 7500 | 3570 | 2 | 413 | 196 | Two-lane | 1700 | 0.24 | 0.12 |
| B59L | Just north of Dulaney | 1600 | 1632 | 1 | 176 | 180 | Arterial | 475 | 0.37 | 0.38 |
| B59L | Betweeen 2090 EAST \& WEST | 6000 | 6120 | 2 | 330 | 337 | Arterial | 950 | 0.35 | 0.35 |
| B59L | Just north of 2090 | 1400 | 2467 | 2 | 77 | 136 | Arterial | 950 | 0.08 | 0.14 |
| B59L | Mile North of 2090 | 980 | 1680 | 2 | 54 | 92 | Two-Lane | 1700 | 0.03 | 0.05 |
| FM 3083 | East of US 75 | 17100 | 18836 | 2 | 941 | 1036 | Two-lane | 1700 | 0.55 | 0.61 |
| FM 1097 | West of I-45 | 17100 | 20018 | 2 | 941 | 1101 | Arterial | 950 | 0.99 | 1.16 |
| FM 1097 | East of l-45 | 21000 | 22187 | 2 | 1155 | 1220 | Arterial | 950 | 1.22 | 1.28 |
| FM 1097 | Mile East of SH 75 | 7000 | 8008 | 2 | 385 | 440 | Two-lane | 1700 | 0.23 | 0.26 |
| FM 1097 | Just west of SH 75 | 14400 | 15167 | 4 | 396 | 417 | Arterial | 1900 | 0.21 | 0.22 |
| FM 1097 | Just east of SH 75 | 5700 | 6672 | 2 | 314 | 367 | Arterial | 950 | 0.33 | 0.39 |
| FM 1097 | Just East of FM 149 | 3500 | 3699 | 2 | 193 | 203 | Two-Lane | 1700 | 0.11 | 0.12 |
| FM 1097 | West of FM 149 | 2000 | 2365 | 2 | 110 | 130 | Two-Lane | 1700 | 0.06 | 0.08 |
| FM 1097 | Over Lake Conroe | 8800 | 10308 | 2 | 484 | 567 | Two-lane | 1700 | 0.28 | 0.33 |
| FM 1097 | East of Long Street Rd | 13300 | 15188 | 2 | 732 | 835 | Two-lane | 1700 | 0.43 | 0.49 |
| FM 1097 | 5 Miles south of FM 1375 | 310 | 362 | 2 | 17 | 20 | Two-lane | 1700 | 0.01 | 0.01 |
| FM 1097 | Just south of the county line | 2900 | 3147 | 2 | 160 | 173 | Two-lane | 1700 | 0.09 | 0.10 |
| FM 1314 | South of SH 242 | 14700 | 14994 | 2 | 809 | 825 | Arterial | 950 | 0.85 | 0.87 |


| ROADWAY | BOUNDARIES | 2012 ADT | 2013 ADT | \# LANES | 2012 VOLUME <br> (VEH/HR/LN) | 2013 VOLUME <br> (VEH/HR/LN | FACILITY TYPE | CAPACITY (VEH/HR.LN) | $\begin{aligned} & 2012 \\ & \text { V/C } \end{aligned}$ | $\begin{gathered} 2013 \\ \text { V/C } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FM 1314 | 2 Miles South of Loop 336 South | 7300 | 7446 | 2 | 402 | 410 | Two-lane | 1700 | 0.24 | 0.24 |
| FM 1314 | 6 Miles South of SH 242 | 17000 | 19291 | 4 | 468 | 531 | Arterial | 1900 | 0.25 | 0.28 |
| FM 1314 | South of SH 105 | 8100 | 8921 | 2 | 446 | 491 | Arterial | 950 | 0.47 | 0.52 |
| FM 1314 | West of US 59 | 30000 | 35484 | 4 | 825 | 976 | Arterial | 1900 | 0.43 | 0.51 |
| FM 1314 | West of 494 | 13800 | 14711 | 4 | 380 | 405 | Arterial | 1900 | 0.20 | 0.21 |
| FM 1375 | East of FM 149 | 720 | 735 | 2 | 40 | 40 | Two-lane | 1700 | 0.02 | 0.02 |
| FM 1375 | Just west of the County Line | 970 | 951 | 2 | 53 | 52 | Two-lane | 1700 | 0.03 | 0.03 |
| FM 1484 | North of SH 105 | 3100 | 3589 | 2 | 171 | 197 | Two-Lane | 1700 | 0.10 | 0.12 |
| FM 1484 | 1.5 Miles North of SH 105 | 3500 | 4068 | 2 | 193 | 224 | Two-lane | 1700 | 0.11 | 0.13 |
| FM 1484 | 2.5 Miles East of FM 2432 | 2600 | 2948 | 2 | 143 | 162 | Two-Lane | 1700 | 0.08 | 0.10 |
| FM 1484 | South of FM 2432 | 10400 | 11876 | 4 | 286 | 327 | Multi-Lane | 4000 | 0.07 | 0.08 |
| FM 1484 | North of FM 2432 | 8300 | 9961 | 2 | 457 | 548 | Two-Lane | 1700 | 0.27 | 0.32 |
| FM 1484 | Between Loop 336 North and FM 3083 | 3400 | 3794 | 2 | 187 | 209 | Arterial | 950 | 0.20 | 0.22 |
| FM 1485 | North of FM 3083 | 5300 | 6214 | 2 | 292 | 342 | Arterial | 950 | 0.31 | 0.36 |
| FM 1485 | North of FM 2090 | 3600 | 3707 | 2 | 198 | 204 | Arterial | 950 | 0.21 | 0.21 |
| FM 1485 | South of SH 105 | 5500 | 6329 | 2 | 303 | 348 | Two-Lane | 1700 | 0.18 | 0.20 |
| FM 1485 | West of Willis Waukegan | 2500 | 2910 | 2 | 138 | 160 | Two-lane | 1700 | 0.08 | 0.09 |
| FM 1485 | 3 Miles North of US 59 | 10300 | 11182 | 2 | 567 | 615 | Two-lane | 1700 | 0.33 | 0.36 |
| FM 1485 | East of US 494 | 11700 | 11934 | 2 | 644 | 656 | Arterial | 950 | 0.68 | 0.69 |
| FM 1485 | Between US 59 and 494 | 11700 | 13340 | 4 | 322 | 367 | Arterial | 1900 | 0.17 | 0.19 |
| FM 1485 | West of county Line | 6100 | 6987 | 2 | 336 | 384 | Two-Lane | 1700 | 0.20 | 0.23 |
| FM 1485 | West of US 59 | 21000 | 23653 | 4 | 578 | 650 | Arterial | 1900 | 0.30 | 0.34 |
| FM 1485 | 1.5 Miles East of 494 | 11100 | 11322 | 2 | 611 | 623 | Two-Lane | 1700 | 0.36 | 0.37 |
| FM 1486 | North of FM 1774 | 4500 | 5073 | 2 | 248 | 279 | Two-Lane | 1700 | 0.15 | 0.16 |
| FM 1486 | Just north of SH 105 | 2100 | 2358 | 2 | 116 | 130 | Two-Lane | 1700 | 0.07 | 0.08 |
| FM 1486 | Mile north of SH 105 | 1850 | 2010 | 2 | 102 | 111 | Two-Lane | 1700 | 0.06 | 0.07 |
| FM 1486 | Just south of SH 105 | 2100 | 2046 | 2 | 116 | 113 | Two-Lane | 1700 | 0.07 | 0.07 |
| FM 1486 | 2 miles south of SH 105 | 2000 | 2137 | 2 | 110 | 118 | Two-Lane | 1700 | 0.06 | 0.07 |
| FM 1486 | 4 Miles South of SH 105 | 1300 | 1301 | 2 | 72 | 72 | Two-Lane | 1700 | 0.04 | 0.04 |
| FM 1486 | South of Johnson Road | 960 | 1054 | 2 | 53 | 58 | Two-lane | 1700 | 0.03 | 0.03 |
| FM 1488 | West of I-45 | 34000 | 34680 | 4 | 935 | 954 | Multi-Lane | 4000 | 0.23 | 0.24 |
| FM 1488 | North of FM 1774 | 10600 | 11113 | 2 | 583 | 611 | Arterial | 950 | 0.61 | 0.64 |
| FM 1488 | South of West FM 1774 and North of East FM 1774 | 16300 | 17786 | 2 | 897 | 978 | Arterial | 950 | 0.94 | 1.03 |
| FM 1488 | South of FM 1774 | 10800 | 12455 | 2 | 594 | 685 | Arterial | 950 | 0.63 | 0.72 |
| FM 1488 | Just East of Waller county Line | 7400 | 8179 | 2 | 407 | 450 | Two-Lane | 1700 | 0.24 | 0.26 |
| FM 1488 | East of FM 149 | 13300 | 14928 | 2 | 732 | 821 | Arterial | 950 | 0.77 | 0.86 |
| FM 1488 | West of FM 2978 | 22000 | 22440 | 4 | 605 | 617 | Arterial | 1900 | 0.32 | 0.32 |
| FM 149 | 1 mile south of SH 105 | 6000 | 5870 | 2 | 330 | 323 | Two-Lane | 1700 | 0.19 | 0.19 |
| FM 149 | Just north of SH 105 | 6100 | 6274 | 2 | 336 | 345 | Arterial | 950 | 0.35 | 0.36 |


| ROADWAY | BOUNDARIES | 2012 ADT | 2013 ADT | \# LANES | 2012 VOLUME <br> (VEH/HR/LN) | 2013 VOLUME <br> (VEH/HR/LN | FACILITY TYPE | CAPACITY (VEH/HR.LN) | $\begin{aligned} & 2012 \\ & \text { V/C } \end{aligned}$ | $\begin{gathered} 2013 \\ \text { V/C } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FM 149 | Just south of SH 105 | 5900 | 5919 | 2 | 325 | 326 | Two-Lane | 1700 | 0.19 | 0.19 |
| FM 149 | Between SH 105 and FM 1097 | 5500 | 5830 | 2 | 303 | 321 | Arterial | 950 | 0.32 | 0.34 |
| FM 149 | North of FM 1097 | 3200 | 3478 | 2 | 176 | 191 | Two-Lane | 1700 | 0.10 | 0.11 |
| FM 149 | South of FM 1097 West | 5100 | 5649 | 2 | 281 | 311 | Arterial | 950 | 0.30 | 0.33 |
| FM 149 | 5 Miles South of SH 105 | 5100 | 5547 | 2 | 281 | 305 | Two-Lane | 1700 | 0.17 | 0.18 |
| FM 149 | North of FM 1774 | 9800 | 10748 | 2 | 539 | 591 | Two-Lane | 1700 | 0.32 | 0.35 |
| FM 149 | North of FM 1488 | 7800 | 8263 | 2 | 429 | 454 | Arterial | 950 | 0.45 | 0.48 |
| FM 149 | South of FM 1488 | 5800 | 6245 | 2 | 319 | 343 | Arterial | 950 | 0.34 | 0.36 |
| FM 149 | East of County Line | 1100 | 1099 | 2 | 61 | 60 | Two-lane | 1700 | 0.04 | 0.04 |
| FM 149 | West of FM 1791 | 1050 | 1027 | 2 | 58 | 56 | Two-lane | 1700 | 0.03 | 0.03 |
| FM 149 | Just south of FM 1375 | 1050 | 1070 | 2 | 58 | 59 | Two-lane | 1700 | 0.03 | 0.03 |
| FM 1774 | West of FM1486 | 7000 | 6863 | 2 | 385 | 377 | Two-Lane | 1700 | 0.23 | 0.22 |
| FM 1774 | East of FM 1486 | 11500 | 11558 | 2 | 633 | 636 | Arterial | 950 | 0.67 | 0.67 |
| FM 1774 | West of FM 1488 | 10500 | 9819 | 2 | 578 | 540 | Arterial | 950 | 0.61 | 0.57 |
| FM 1774 | About mile east of FM 1488 | 15500 | 14258 | 2 | 853 | 784 | Arterial | 950 | 0.90 | 0.83 |
| FM 1774 | West of FM 149 | 19200 | 18824 | 2 | 1056 | 1035 | Arterial | 950 | 1.11 | 1.09 |
| FM 1791 | North of FM 149 | 870 | 853 | 2 | 48 | 47 | Two-lane | 1700 | 0.03 | 0.03 |
| FM 1791 | Just south of County Line | 820 | 804 | 2 | 45 | 44 | Two-lane | 1700 | 0.03 | 0.03 |
| FM 2090 | West of County Line | 2400 | 2448 | 2 | 132 | 135 | Two-Lane | 1700 | 0.08 | 0.08 |
| FM 2090 | East of Firetower | 2500 | 2550 | 2 | 138 | 140 | Arterial | 950 | 0.14 | 0.15 |
| FM 2090 | East of FM 3083 | 3700 | 4192 | 2 | 204 | 231 | Two-lane | 1700 | 0.12 | 0.14 |
| FM 2090 | Just West of 59 | 8200 | 8364 | 2 | 451 | 460 | Arterial | 950 | 0.47 | 0.48 |
| FM 2090 | Between 59 and B59L | 9600 | 8727 | 4 | 264 | 240 | Arterial | 1900 | 0.14 | 0.13 |
| FM 2090 | Just East of B59L | 9300 | 10523 | 2 | 512 | 579 | Arterial | 950 | 0.54 | 0.61 |
| FM 2090 | South of Dallie Sue, North of Ruby | 5400 | 5508 | 2 | 297 | 303 | Two-Lane | 1700 | 0.17 | 0.18 |
| FM 2432 | West of FM 1484 | 5500 | 5610 | 2 | 303 | 309 | Two-Lane | 1700 | 0.18 | 0.18 |
| FM 2432 | Just East of SH 75 | 10200 | 11318 | 2 | 561 | 622 | Arterial | 950 | 0.59 | 0.66 |
| FM 2432 | Half Mile East of SH 75 | 7100 | 7242 | 2 | 391 | 398 | Arterial | 950 | 0.41 | 0.42 |
| FM 2854 | Just south of 105 | 4800 | 5554 | 2 | 264 | 305 | Two-Lane | 1700 | 0.16 | 0.18 |
| FM 2854 | 3 Miles West of McCaleb Road | 5700 | 5814 | 2 | 314 | 320 | Two-lane | 1700 | 0.18 | 0.19 |
| FM 2854 | West of McCaleb Road | 8100 | 9013 | 2 | 446 | 496 | Two-lane | 1700 | 0.26 | 0.29 |
| FM 2854 | East of West Loop 336 | 8600 | 8772 | 2 | 473 | 482 | Arterial | 950 | 0.50 | 0.51 |
| FM 2978 | 3 Miles South of FM 1488 | 22000 | 23416 | 2 | 1210 | 1288 | Arterial | 950 | 1.27 | 1.36 |
| FM 2978 | South of FM 1488 | 15600 | 17708 | 2 | 858 | 974 | Arterial | 950 | 0.90 | 1.03 |
| FM 3083 | West of FM 1485 | 5700 | 5917 | 2 | 314 | 325 | Two-Lane | 1700 | 0.18 | 0.19 |
| FM 3083 | 2 Miles North of FM 2090 | 7300 | 7446 | 2 | 402 | 410 | Two-lane | 1700 | 0.24 | 0.24 |
| FM 3083 | South of Loop 336 South | 8400 | 8568 | 2 | 462 | 471 | Two-Lane | 1700 | 0.27 | 0.28 |
| FM 3083 | West of US 75 | 20000 | 20741 | 2 | 1100 | 1141 | Arterial | 950 | 1.16 | 1.20 |
| FM 3083 | Between FM 1484 and Loop 336 | 9900 | 9793 | 2 | 545 | 539 | Arterial | 950 | 0.57 | 0.57 |


| ROADWAY | BOUNDARIES | 2012 ADT | 2013 ADT | \# LANES | 2012 VOLUME <br> (VEH/HR/LN) | 2013 VOLUME <br> (VEH/HR/LN | FACILITY TYPE | CAPACITY (VEH/HR.LN) | $\begin{aligned} & 2012 \\ & \text { V/C } \end{aligned}$ | $\begin{gathered} 2013 \\ \text { V/C } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| FM 3083 | West of I-45 | 15000 | 14706 | 2 | 825 | 809 | Two-lane | 1700 | 0.49 | 0.48 |
| FM 3083 | North of SH 105 | 7000 | 7158 | 2 | 385 | 394 | Two-lane | 1700 | 0.23 | 0.23 |
| FM 830 | West of Cude Cemetary Rd | 4900 | 5236 | 2 | 270 | 288 | Arterial | 950 | 0.28 | 0.30 |
| FM 830 | Just West of SH 75 | 8700 | 9347 | 2 | 479 | 514 | Arterial | 950 | 0.50 | 0.54 |
| FM 830 | Mile West of SH 75 | 9900 | 10970 | 2 | 545 | 603 | Arterial | 950 | 0.57 | 0.64 |
| FM1486 | East of County Line | 860 | 877 | 2 | 47 | 48 | Two-lane | 1700 | 0.03 | 0.03 |
| 1-45 | North of 105 | 83000 | 89906 | 8 | 1141 | 1236 | Freeway | 9600 | 0.12 | 0.13 |
| 1-45 | South of 2854 | 119000 | 129816 | 8 | 1636 | 1785 | Freeway | 9600 | 0.17 | 0.19 |
| 1-45 | South of Old US Hwy 75 | 53000 | 59705 | 4 | 1458 | 1642 | Freeway | 4800 | 0.30 | 0.34 |
| 1-45 | South of FM 1097 | 61000 | 66871 | 4 | 1678 | 1839 | Freeway | 4800 | 0.35 | 0.38 |
| 1-45 | Between SH 242 and FM 1488 | 165000 | 168531 | 8 | 2269 | 2317 | Freeway | 9600 | 0.24 | 0.24 |
| \|-45 | North of FM 1488 | 150000 | 145366 | 8 | 2063 | 1999 | Freeway | 9600 | 0.21 | 0.21 |
| \|-45 | North of Loop 336 South | 107000 | 105840 | 8 | 1471 | 1455 | Freeway | 9600 | 0.15 | 0.15 |
| \|-45 | South of County Line | 47000 | 51137 | 6 | 862 | 938 | Freeway | 7200 | 0.12 | 0.13 |
| 1-45 | Just North of Loop 336 | 10800 | 111274 | 8 | 149 | 1530 | Freeway | 9600 | 0.02 | 0.16 |
| I-69/US 59 | North of 2090 | 44000 | 45410 | 6 | 807 | 833 | Multi-Lane | 6000 | 0.13 | 0.14 |
| I-69/US 59 | South of 2090 | 4800 | 48874 | 8 | 66 | 672 | Freeway | 9600 | 0.01 | 0.07 |
| I-69/US 59 | North of FM 1485 | 54000 | 55248 | 6 | 990 | 1013 | Freeway | 7200 | 0.14 | 0.14 |
| I-69/US 59 | North of FM 1314 | 73000 | 79011 | 8 | 1004 | 1086 | Freeway | 9600 | 0.10 | 0.11 |
| Loop 336 - East | North of SH 105 | 13700 | 12804 | 4 | 377 | 352 | Multi-Lane | 4000 | 0.09 | 0.09 |
| Loop 336 - East | South of SH 105 | 12400 | 12566 | 4 | 341 | 346 | Multi-Lane | 4000 | 0.09 | 0.09 |
| Loop 336 - North | East of US 75 | 23000 | 22680 | 4 | 633 | 624 | Arterial | 1900 | 0.33 | 0.33 |
| Loop 336 - North | West of FM 1484 | 11600 | 11553 | 4 | 319 | 318 | Arterial | 1900 | 0.17 | 0.17 |
| Loop 336 - North | East of l-45 | 26000 | 26520 | 4 | 715 | 729 | Arterial | 1900 | 0.38 | 0.38 |
| Loop 336 - South | West of I-45 | 25000 | 24510 | 6 | 458 | 449 | Arterial | 2850 | 0.16 | 0.16 |
| Loop 336 - South | East of l-45 | 20000 | 21108 | 8 | 275 | 290 | Arterial | 3800 | 0.07 | 0.08 |
| Loop 336 - South | East of FM 1314 | 14200 | 14240 | 4 | 391 | 392 | Arterial | 1900 | 0.21 | 0.21 |
| Loop 336 - West | North of SH 105 | 13800 | 14118 | 4 | 380 | 388 | Arterial | 1900 | 0.20 | 0.20 |
| Loop 336 - West | South of SH 105 | 15100 | 15198 | 4 | 415 | 418 | Two-lane | 1700 | 0.24 | 0.25 |
| Loop 336 - West | North of FM 2854, South of SH 105 | 15300 | 14734 | 5 | 337 | 324 | Two-lane | 1700 | 0.20 | 0.19 |
| Loop 336 - West | South of FM 2854, | 14400 | 13354 | 4 | 396 | 367 | Two-lane | 1700 | 0.23 | 0.22 |
| SH 242 | West of FM 1485 | 8400 | 9283 | 2 | 462 | 511 | Arterial | 950 | 0.49 | 0.54 |
| SH 242 | East of FM 1485 | 6800 | 7391 | 2 | 374 | 407 | Arterial | 950 | 0.39 | 0.43 |
| SH 105 | West of County Line | 8800 | 9566 | 2 | 484 | 526 | Two-lane | 1700 | 0.28 | 0.31 |
| SH 105 | South of County Line | 9000 | 8816 | 2 | 495 | 485 | Two-lane | 1700 | 0.29 | 0.29 |
| SH 105 | East of Crockett Martin Rd | 9700 | 10452 | 2 | 534 | 575 | Arterial | 950 | 0.56 | 0.61 |
| SH 105 | West of FM 1484 | 14900 | 15153 | 2 | 820 | 833 | Arterial | 950 | 0.86 | 0.88 |
| SH 105 | East of FM 1485 | 18500 | 18852 | 2 | 1018 | 1037 | Arterial | 950 | 1.07 | 1.09 |
| SH 105 | West of Loop 336-East | 9000 | 9671 | 4 | 248 | 266 | Arterial | 1900 | 0.13 | 0.14 |


| ROADWAY | BOUNDARIES | 2012 ADT | 2013 ADT | \# LANES | 2012 VOLUME <br> (VEH/HR/LN) | 2013 VOLUME <br> (VEH/HR/LN | FACILITY TYPE | CAPACITY (VEH/HR.LN) | $\begin{aligned} & 2012 \\ & \text { V/C } \end{aligned}$ | $\begin{gathered} 2013 \\ \text { V/C } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SH 105 | West of FM 1486 | 6700 | 6569 | 2 | 369 | 361 | Two-Lane | 1700 | 0.22 | 0.21 |
| SH 105 | East of FM 1486 | 7600 | 8017 | 2 | 418 | 441 | Two-Lane | 1700 | 0.25 | 0.26 |
| SH 105 | 3 Miles East of FM 1486 | 8200 | 8062 | 2 | 451 | 443 | Two-Lane | 1700 | 0.27 | 0.26 |
| SH 105 | Just East of FM 149 | 14900 | 15093 | 4 | 410 | 415 | Arterial | 1900 | 0.22 | 0.22 |
| SH 105 | Just West of FM 149 | 12900 | 13511 | 4 | 355 | 372 | Arterial | 1900 | 0.19 | 0.20 |
| SH 105 | . 5 Mile East of FM 149 | 17800 | 18180 | 4 | 490 | 500 | Arterial | 1900 | 0.26 | 0.26 |
| SH 105 | West of McCaleb Road | 29000 | 31894 | 6 | 532 | 585 | Arterial | 2850 | 0.19 | 0.21 |
| SH 105 | East of McCaleb Road | 28000 | 28560 | 6 | 513 | 524 | Multi-Lane | 6000 | 0.09 | 0.09 |
| SH 105 | East of West Loop 336 | 19000 | 19628 | 6 | 348 | 360 | Arterial | 2850 | 0.12 | 0.13 |
| SH 105 | West of West Loop 336 | 26000 | 26520 | 6 | 477 | 486 | Arterial | 2850 | 0.17 | 0.17 |
| SH 105 | East of County Line | 6400 | 5805 | 2 | 352 | 319 | Two-lane | 1700 | 0.21 | 0.19 |
| SH 242 | West of US 59 | 8000 | 8509 | 2 | 440 | 468 | Two-Lane | 1700 | 0.26 | 0.28 |
| SH 242 | West of FM 1314 | 20000 | 20400 | 2 | 1100 | 1122 | Arterial | 950 | 1.16 | 1.18 |
| SH 242 | East of FM 1314 | 12500 | 14026 | 2 | 688 | 771 | Arterial | 950 | 0.72 | 0.81 |
| SH 242 | East of l-45 | 43000 | 43829 | 8 | 591 | 603 | Multi-Lane | 8000 | 0.07 | 0.08 |
| SH 242 | South of FM 1488 | 13300 | 13566 | 4 | 366 | 373 | Arterial | 1900 | 0.19 | 0.20 |
| SH 249 | East of FM 149 | 24000 | 23741 | 4 | 660 | 653 | Two-Lane | 1700 | 0.39 | 0.38 |
| SH 249 | North of Decker Prairie | 26000 | 25813 | 6 | 477 | 473 | Two-Lane | 1700 | 0.28 | 0.28 |
| SH 249 | South of Decker Prairie | 34000 | 33214 | 6 | 623 | 609 | Arterial | 2850 | 0.22 | 0.21 |
| SH 75 | North of Loop 336 South | 11100 | 10882 | 4 | 305 | 299 | Arterial | 1900 | 0.16 | 0.16 |
| SH 75 | South of Gladstell | 13500 | 13235 | 2 | 743 | 728 | Arterial | 950 | 0.78 | 0.77 |
| SH 75 | North of Gladstell | 11400 | 11176 | 4 | 314 | 307 | Arterial | 1900 | 0.17 | 0.16 |
| SH 75 | 2/3 Mile North of FM 1097 | 5100 | 5456 | 2 | 281 | 300 | Two-Lane | 1700 | 0.17 | 0.18 |
| SH 75 | . 5 mile North of FM 1097 | 5700 | 6087 | 2 | 314 | 335 | Two-Lane | 1700 | 0.18 | 0.20 |
| SH 75 | Just north of FM 1097 | 9900 | 10714 | 4 | 272 | 295 | Arterial | 1900 | 0.14 | 0.16 |
| SH 75 | Just south of FM 1097-West | 13500 | 13960 | 4 | 371 | 384 | Arterial | 1900 | 0.20 | 0.20 |
| SH 75 | Just south of FM 1097-East | 13200 | 14908 | 4 | 363 | 410 | Arterial | 1900 | 0.19 | 0.22 |
| SH 75 | South of FM 2432 | 11100 | 11149 | 4 | 305 | 307 | Arterial | 1900 | 0.16 | 0.16 |
| SH 75 | South of County Line | 3000 | 3165 | 2 | 165 | 174 | Two-lane | 1700 | 0.10 | 0.10 |
| SH 75 | 2 miles south of County Line | 4200 | 4298 | 2 | 231 | 236 | Two-lane | 1700 | 0.14 | 0.14 |
| SH 75 | 3 miles south of County Line | 4100 | 4020 | 2 | 226 | 221 | Two-lane | 1700 | 0.13 | 0.13 |
| SH 75 | North of 3083, South of League Line Rd | 11800 | 12048 | 2 | 649 | 663 | Arterial | 950 | 0.68 | 0.70 |
| SH 75 | North of Loop 336- North | 13700 | 13506 | 4 | 377 | 371 | Arterial | 1900 | 0.20 | 0.20 |
| SH 75 | . 5 Miles South of FM 2432 | 11800 | 11800 | 2 | 649 | 649 | Two-Lane | 1700 | 0.38 | 0.38 |
| Spur 149 | South of FM 1488 | 5700 | 6003 | 2 | 314 | 330 | Two-Lane | 1700 | 0.18 | 0.19 |
| SH 105 | East of Crockett Martin Rd | 9700 | 10452 | 2 | 534 | 575 | Arterial | 950 | 0.56 | 0.61 |
| SH 105 | West of FM 1484 | 14900 | 15153 | 2 | 820 | 833 | Arterial | 950 | 0.86 | 0.88 |
| SH 105 | East of FM 1485 | 18500 | 18852 | 2 | 1018 | 1037 | Arterial | 950 | 1.07 | 1.09 |
| SH 105 | West of Loop 336-East | 9000 | 9671 | 4 | 248 | 266 | Arterial | 1900 | 0.13 | 0.14 |

Calculations performed by": Cobb Fendley and Associates, 2014
ADT Source: TxDOT

## 1979 MAJOR THOROUGHFARE PLAN MAP






Focus Group Meetings
July 2014
Montgomery County
Montgomery County
THOROUGHFARE PLAN

## Documentation:

- Agenda
- Workshop Summaries
- Summary of Comments on Maps
- Listing of all comments

FOCUS GROUP WORKSHOPS JULY 15, 17, 18, 2014

## CONNECTIONS

Montgomery County
THOROUGHFARE PLAN

Agenda

1. Welcome
2. Purpose
3. Roadway Connections
4. Areas of Congestion
5. New Developments
6. Current Land Use (RLUIS)
7. Comments/Questions

- Carlene Mullins, H-GAC, Transportation Planner Carlene.Mullins@h-gac.com
- Thomas Gray, H-GAC, Chief Transportation Planner thomas.Gray@h-gac.com

Additional Study Information: MontgomeryCountyMobility.com

## FOCUS GROUPS SUMMARY

Precinct 4
Tuesday, July 15, 2014 | 9-11 a.m.
East Montgomery County Fair Association Center
21675 -A McCleskey Road
21675-A McCleskey Road
New Caney, TX 77357
Attendees (16):
or City of Cut and Shoot

- Bill Smith, Montgomery County PCT 4
- Bryan Reed, Splendora ISD Transportatio

Ray Ricks, Mayor, City of Roman Forest

- Anna Neely, Conroe ISD East Transportation
- Deanie Murry, New Caney ISD
- Frank McCrady, EMCID
- Jim Grant, New Caney ISD

Ed Rinehart, Commissioner, Montgomery County PCT
Josh Rice, Director of Transportation, New Caney ISD
Georgia Taylor, New Caney ISD
Rick Hatcher, Community Chamber of Commerce of the East Mont. Coun

- Rick Hatcher, Community Chamber of Commerce of the
- Brett Audilet, City of Porter Fire Department

Staff (5): Carrene Mulins, Thomas Gray and Davia Wuralow, Houston-Galveston Area Councii; Gaby Tassin, Cobb Fendley; Valerie Cesari, The Lentz Group


## FOCUS GROUPS SUMMARY

Precinct 1
Tuesday, July 15, 2014|2-4 p.m.
Noth Montaomer County Community Center
600 Gerald
Willis, TX 77378
Attendees (5):
Howard Kravetz, Mayor Panorama Village

- Thomas Woolley, City of Conroe

Mark Mooney, Montgomery County Engineering Office
Mike Mathena, City of Willis
Pat Riley, City of Willis
(b).Canene Muins, Thomas Gray and David Wuralow, Houston-Galveston Area Council: Mark Ingram and Gaby Tassin, Cobb Fendley; Valerie Cesari, The Lentz Group


## FOCUS GROUPS SUMMARY

Montgomery County
THOROUGHFARE PLAN

City of Montgomery
Thursday, July 17, 2014 | 9-11 a.m.
one Star Community Cen
Montgomery, TX 77356
Attendees (3):
Erik Smith, City of Montgomery

- William Kotlan, City of Montgom

Staff (5): Carlene Mullins, Thomas Gray and David Wurdlow, Houston-Galveston Area Council: Gaby Tassin, Cobb Fendley: Valerie Cesari. The Lentz Group


## FOCUS GROUPS SUMMARY

Precinct 2
Thursday, July 17, 2014 | 2-4 p.m
Magnolia Community Building
Magnolia, TX 77354
Attendees (8):
Domingo Chief of Police, Magnolia Police Departmen
James Senegal, Magnolia Police Department
Anne Sundquist, City of Magnolia

- Kely Hamann, Magnolia Parkway Chamber
- Paul Mendes, City of Magnolia

Jonny Williams, City of Magnoli
Charlie Riley, Commissioner Elect, Montgomery County PCT 2
taff (5): Carlene Mullins, Thomas Gray and David Wurdlow, Houston-Galveston Area Council; Gaby Tassin, Cobb Fendley; Valerie Cesari, The Lentz Group

## FOCUS GROUPS SUMMARY



City of Conroe
Friday, July 18, 2014 | 9-11 a.m
ee Chamber of Commerce
505 W. Davis Street
Conroe, TX 77301
Attendees (5):
ce, City of Conroe
Sohn Bleyl, Bleyl Engineering

- Scott Harper, Conroe C

Kathleen Newton TxDO
Staff (5): Carlene Mulins and David Wurdow, Houston-Galveston Area Council; Mark Ingram and Gaby Tassin, Cobb Fendley; Ruth Henshall, The Lentz Group


## FOCUS GROUPS

Precinct 4
Tuesday, July 15, 2014 | 9-11 a.m.
Notes:

- FM 2090 \& 59 N - major feeder road never completed
- Worried about traffic boom within next 5 years especially due to theme park
- Buck Road and Creekwood
.
- Ford Road to FM 1314
- West Lake Houston to FM 148

Mills Branch to Ford Road
Timberland, Summer Hills -1 way in and 1 way out
Wood Branch Divive - 2 lane brid

- 1700 people in Roman Forest

Rairoad tracks run down east side of 59
Rairoad crossing could be at Fostoria instead
Freight traffic will only get worse
Riverwalik is residentio
Valley Ranch - commercial area
Valley Ranch Parkway

- Grand Parkway and 59 - hospital - $\$ 18$ development by Signorell

Precinct
Tuesday, July 15, 2014 | 2-4 p.m.
Notes:

- County Line Road and 1-45

2-way feeder road short ways then end
TXDOT will no longer do two-way feede
Congestion at Gosling
FM 1097 - would be nice to widen (45 past lake)
Dangerous traffic at 1-45 and FM 109
Turning lanes

- Calvary is heavily travelled 109 and west of lake have formed
- Connection between Rogers to FM 1097 to County Line Road

FM 830 - 4 lane section - huge subdivision
Little Egypt and Langmire connections
League Line and FM 3083 - Longmire Connection - windy road

## FOCUS GROUPS

Montgomery County
THOROUGHFARE PLAN

- Wisontol-4s to his complete
- Wilis ETJ
- Paddock, Rogers, FM 1097 - being redone (Fall 2014-March 2015 )

EM 2432 to League line
Widen Frazier to four lanes to County Line Road to just noth of C Panorama Village) with access management and protected turns

- Little Egypt to 1-45 to FM 830 will need work done
- Walden Road

City of Montgomery
Thursday, July 17, 2014 | 9-11 a.m
Notes:

- FM 149 - only north/south corridors besides $1-45$
- Fish Creek Road will be widened. Has lots of houses going up. Will be four lanes
Has heary traffic
FM 2854 south of FM 1488 is a pancion. Lots of congestion.
- Need Tomball north/south thoroughfare

Montgomery residents to travel back and forth to/from Tombal
Big trafic problem in the area

- Need to get people past Lone Star Parkway before reducing lanes
- FM 105 near the high school at Lone Star Parkway (near FM 149) - need thoroughfare

18 wheelers/freight traffic creating traffic
Lone Star Parkway loop really needs work
Retail outlets - 2 new coming in. Lone Star Parkway after FM 149 .

- FM 1097 - industrial park construction

Need avicker way to get to Lone Star Parkway Ioop from FM 1097. Lots of traffic traveling from opposite side of lake.
Bring FM 1097 to Pooles Road to tie to FM 105
Large trade area
Most schools close together at FM 149 and Lone Star Parkway

- Priority: Extend Lone Star Parkway into Ioop
- Connection at Buffalo Springs Drive to Bios D'Arc Bend

Extend Lone Star Parkway to Bios D'Arc Bend

- FM 105 and Lone Star Parkway - an important intersection

Extend Lone Star Parkway around to Old Plantersville Road
City of Montgomery will send H -GAC current land use map

- residential off FM 1097
- Proposed "Aggie Freeway" concern


## FOCUS GROUPS

- Lots of congestion in Willis
- Water usage during the summer at $1 / 5$ of regular usage during school year
- Bond to expand stadium in works
- FM 2978 is really congested. Almost impassible at certain times of the day
- Funneling East/west issues in Montgomery
-. Truck traffic going north on FM 149 to FM 105 is a problem. Needs a bypass

Precinct 2
Thursday, July 17, 2014 | 2-4 p.m.
Notes:

- FM 1774-1700 new homes
- Nicke/Sawmill - Ger to be built
- Nickel/Sawmill - Grand Oaks - 600 lots
.55 acres/ 130 homes - Sawmill Valley
- 3000 homes - either side of FM 1488 is partly annexed. 1100 acres
- FM 1774 and FM 1488 - needs loop to bypass intersection

FM 1488 and FM 149 -industrial area + ang
.lial area + a new grocery stor
80 acres at FM $1488 \&$ \& FM 1774 - possibly homes

- Jackson and Spur 149
- The future SH 249 needs to be updated on map

SH 249 Toll Road - by 201

- Problem for City of Magnolia providing water and sewer
- FM 2978 has a lot of problems

FM 2978 a and FM 1488 is the most TXDOT on design

- FM 2978 and FM 1488 is the most valuable piece of land
- Not a lot of north/south, east/west roads between FM 1488 and FM 105
- FM 1488/Fish Creek- residential


## City of Conroe

## Friday, July 18, 2014 | 9-11 a.m.

Notes:

- Proposed Townsen Road extension (COH)
- Old Conroe Road extension being talked about
- Birnham Woods Dr extension - \#5473
- No action yet on 336 Loop South
- Spring Creek flooding along Rayford -8 school
- Rumors - FM 1097, county contacting owners (re: ROW
- Shutlle Road - large residential development
- People Road - add traffic signal and right turn lan
- BMX motorcycles at FM 1488 - flooding
- Future road within Camp Strake developmen

SH 105 east - trucks, windmill blades from Bea

- Safety issues -1-45 when it rains and wrong way on one-way roads (W. Davis)
- Camp Strake development access points - Woodforest development to FM 830 to FM 1097. Folks asking how it will impact congestion.
D.R. Horton development probably Montgomery ISD
- Rehab Road, FM 149 ext - Kathleen with IxDOT submitted 2015 submitting "Super 2 "
- Lone Star at Montgomery - TXDOT not taking over
- Apartments across from high school were supposed to $T$ in $\dagger$ relieve traffic from Lone Star but no action yet
- High speed rail? No locations yet. Undergoing envisioning process
- Widen SH 75 - alternate to $1-45$
- Extend FM 830 northeast loop






Widen
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Summary List of Workshop Notes and Maps

| Map \# | Issue | Street | Precinct |  | Source | Map | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Connection | Aldine Westfield - extend south to Riley Fuzzell/Harris County | 3 |  | Focus Group |  |  |
| 73 | Connections | Anderson- new road from 3083 to League Line Road | 1 |  | Focus Group |  |  |
|  | Congestion | Budde Road widen and improve from a rural to an urban cross section | 3 |  | Focus Group |  |  |
| 13 | Congestion | Calvary - widen to 4 lanes | 1 |  | Focus Group | Map 3 |  |
| 16 | Congestion | Calvary/I-45N/US75-a lot of accidents | 1 |  | Focus Group | Map 3 |  |
| 69B | Connections | Carriage Hills - extend to Creighton - new road/bridge | 2 |  | Focus Group | Map 1 |  |
| 69A | Connections | Carriage Hills - extend to Sand/White - new road | 2 |  | Focus Group | Map 1 |  |
| 48 | Connections | Creighton - remove jog east of freeway | 4 |  | Focus Group | Map 5 |  |
| 27 | Connections | Creighton extend W to Old Conroe to FM2854 to SH105 (form loop) | 2 | 1 | Focus Group | Map 4 |  |
| 68 | Congestion | Cude Cemetary Rd - improve and widen between FM830 to FM1097 | 1 |  | Focus Group | Map 1 |  |
| 50 | Connections | Daw Collins - extend south from FM2090 to SH242 | 4 |  | Focus Group | Map 5 |  |
|  | Congestion | Daw Collins - widen from FM2090 to SH 105 | 4 |  | Focus Group | Map 5 |  |
| 33 | Congestion | Dobbin-Huffsmith from Harden-Store Rd NW to FM1488-heavily congested | 2 |  | Focus Group | Map 4 |  |
| 72 | Connections | Drennan - extend from US 75 to I-45 | 1 |  | Focus Group | Map 2 |  |
| 10 | Connections | FM 1097 - extend from west side of Lake Conroe south to Lone Star Rd | 1 |  | Focus Group | Map 3 |  |
| 12 | Congestion | FM 1097 - Widen bridge across Lake Conroe (safety concerns) | 1 |  | Focus Group | Map 3 |  |
|  | Other | FM 1097 - Widen bridge across Lake Conroe (safety concerns) | 1 |  | Focus Group |  |  |
| 12 | Congestion | FM 1097 - Widen from W. side ofLake Conroe east to I-45N | 1 |  | Focus Group | Map 3 |  |
|  | Congestion | FM 1097 - widen from Lake Conroe to IH 45 | 1 |  | T. Woolley | Montgomery |  |
|  | Congestion | FM 1097 at I-45N -eliminate 2-way frontage roads | 1 |  | Focus Group |  | Accidents |
|  | Connections | FM 1097 extend south to Lone Star Parkway | 1 |  | A. France | Montgomery |  |
|  | Connections | FM 1097 extension to FM 149 (remove jog) | 1 |  | T. Woolley | Montgomery |  |
|  | Congestion | FM 1097, West of I-45 | 1 |  | Focus Group |  |  |
|  | Congestion | FM 1097, West of Lake Conroe | 1 |  | Focus Group |  |  |
|  | Connections | FM 1314 Extension north from SH 105(E) to Loop 336(N) | 1 |  | T. Woolley | Conroe |  |
|  | Other | FM 1486 - improve from SH105 to FM1774 | 2 | 1 | Focus Group |  | to accommodate future development |
|  | Congestion | FM 1488 at I-45 (Change intersection from rural to urban design) | 2 |  | J. Bleyl | Conroe |  |
| 29 | Connections | FM 149 - extend west from Jackson to new SH249 | 2 |  | Focus Group | Map 4 |  |
|  | Congestion | FM 149 - widen from SH105 north to FM 1097 W | 1 |  | T. Woolley | Montgomery |  |
| 7 | Congestion | FM 149 - widen from SH105 to FM1488 (truck traffic and congestion) | 2 | 1 | Focus Group | Map 4 |  |
|  | Congestion | FM 1774 at FM 1488 (improve intersection) | 2 |  | Focus Group |  | Intersection design |
|  | Congestion | FM 2090 - widen from US 59 to Daw Collins Rd | 4 |  | Splendora ISD | Precinct 4 |  |
| 55 | Congestion | FM 2090 at IH 69/RR - need RR crossing | 4 |  | Focus Group | Map 5 |  |
| 55 | Congestion | FM 2090 at US59N - service roads not complete | 4 |  | Focus Group | Map 5 |  |
| 11 | Congestion | FM 2854 - widen from SH 105, east, to IH 45 | 2 | 1 | Focus Group | Map 3 | Easier and faster than using SH 105 |
|  | Connections | FM 2854 (Old Montgomery Road) direct access to IH-45 | 1 |  | A. France | Precinct 1 |  |
| 35 | Congestion | FM 2978 - widen from Hardin-Store Road to FM 1488 | 2 |  | Focus Group | Map 4 |  |
| 26 | Congestion | FM 2978 at FM 1488 - severe congestion | 2 |  | Focus Group | Map 2 |  |
|  | Congestion | FM 3083 and Pollok Dr- Improve intersection | 1 |  | Focus Group | Precinct 1 |  |
|  | Congestion | FM 3083 at FM 1484 | 1 |  | Focus Group | Precinct 1 |  |
|  | Congestion | FM 3083 at shopping center entrance | 1 |  | A. France | Conroe |  |
| 17 | Congestion | FM 830/Seven Coves - widen from I-45N west to Lake Conroe | 1 |  | Focus Group | Map 3 |  |
| 59 | Congestion | Ford Rd. - reconstruct and widen from US 59N to Mills Branch (RTP 3054) | 4 |  | Focus Group | Map 5 |  |
| 59 | Connections | Galaxy - construct 4 lane divided from Essex Dr to FM1485 (RTP 3059) | 4 |  | Focus Group | Map 5 |  |
| 34 | Congestion | Gosling from Creekside Dr to Flintridge | 3 |  | Focus Group | Map 4 | Harris County |
| 25 | Connections | Gosling/Peoples extend from Old Conroe to FM 1488 | 2 |  | Focus Group | Map 2 |  |
| 25 | Connections | Gosling/Peoples extend fromFM1488 to SH242 (very important connection N/S connectivity) | 2 |  | Focus Group | Map 4 |  |
| 49A | Connections | Hayden Firetower - extend south from SH242 to Gene Campbell | 4 |  | Focus Group | Map 5 |  |
| 49B | Connections | Hyden Firetower - extend north from FM2090 to SH105 | 4 |  | Focus Group | Map 5 |  |

Summary List of Workshop Notes and Maps

| Map \# | Issue | Street | Precinct |  | Source | Map | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Congestion | I-45 at FM 1097 | 1 |  | A. France | Precinct 1 |  |
|  | Other | I-45 at FM1097 eliminate 2-way frontage roads | 1 |  | Focus Group | Map 3 |  |
|  | Congestion | I-45 at FM3083 | 1 |  | A. France | Precinct 1 |  |
|  | Congestion | I-45 at N. Loop 336 | 1 |  | A. France | Precinct 1 |  |
|  | Connections | I-45 Northbound and southbound frontage roads from FM 830 to FM 1097. | 1 |  | T. Woolley | Precinct 1 |  |
|  | Connections | I-45 Northbound frontage road from League Line Road to FM 830. | 1 |  | T. Woolley | Precinct 1 |  |
|  | Connections | I-45 to SH 75 (north) | 1 |  | A. France | Precinct 1 |  |
|  | Congestion | I-45N /SH75/S. Loop 336 | 1 |  | A. France | Conroe |  |
| 19 | Congestion | I-45N at FM1097 | 1 |  | Focus Group | Map 3 |  |
| 63 | Connections | I-45N at Rayford/Sawdust - very congested | 3 |  | Focus Group | Map 5 |  |
|  | Congestion | I-45N at SH105 | 1 |  | A. France | Conroe |  |
| 61 | Congestion | Jefferson Chemical - widen/improve from FM1485 to FM3083 (heavy truck traffic) | 4 | 1 | Focus Group | Map 5 |  |
| 62 | Connections | Jefferson Chemical extend south to FM1314 (Tildea) | 4 |  | Focus Group | Map 5 |  |
| 38 | Congestion | Kuykendahl at Spring Creek - needs another 2 lane bridge | 3 |  | Focus Group | Map 5 |  |
|  | Connections | LaSalle Ave - Extend to Longmire | 1 |  | A. France | Conroe |  |
| 70 | Connections | League Line Rd ext - new road from US75 to New 1484 | 1 |  | Focus Group | Map 2 |  |
|  | Connections | Little Egypt - Extend to League Line Rd. | 1 |  | T. Woolley | Precinct 1 |  |
| 6 | Other | Lone Star Parkway - widen and upgrade to TxDOT standards | 1 |  | Focus Group | Map 3 |  |
|  | Congestion | Longmire Road | 1 |  | T. Woolley | Precinct 1 |  |
|  | Connections | Longstreet Road - Extend east to SH75 | 1 |  | T. Woolley | Precinct 1 |  |
|  | Congestion | Loop 336 - all | 1 |  | T. Woolley | Conroe |  |
|  | Congestion | Loop 336(S)- Widen from FM 2854 to SH 105E | 1 | 2 | A. France | Conroe |  |
| 32 | Connections | Magnolia by-pass from FM 1488E of RR to SH 249 to FM 1488 W of town. | 2 |  | Focus Group | Map 4 |  |
| 64 | Connections | Magnolia Ridge - extend south to FM1774 | 2 |  | Focus Group | Map 6 |  |
| 27 | Congestion | McCaleb/Fish Creek Thoroughfare Road - Widen/Improve from SH105 to FM2854 to FM2978 | 2 |  | Focus Group | Map 2 |  |
| 2 | Connections | Montgomery by-pass - South | 1 | 2 | Focus Group | Map 9/3 | \#2 for Mont. |
| 3 | Connections | N. Buffalo Springs extend and improve from Lone Star loop to FM1097 | 1 |  | Focus Group | Map 9 |  |
| 37 | Connections | New road | 2 |  | Focus Group | Map 5 |  |
| 51 | Connections | New Road \#1 - new connection between SH242 to US59(N) | 4 |  | Focus Group | Map 5 |  |
| 52 | Connections | New Road \#2 - Connect New Road \#1 To FM2090 to Morgan Cemetary to SH105 | 4 |  | Focus Group | Map 5 |  |
| 53 | Connections | New Road \#3 - Connect US59N west to Crocket Martin to FM1485 to FM3038 | 4 |  | Focus Group | Map 5 |  |
| 54 | Connections | New Road \#4 (Morgan Cemetary) - extend from Daw Collins west to FM1314 | 4 |  | Focus Group | Map 5 |  |
|  | Connection | New Road/connection - Rayford to SH 242 (alternative to IH 45) | 3 |  | Focus Group |  |  |
| 15 | Connections | New Willis by-pass from Shepard Hill to I-45N to FM1097 to Rose Rd to 7 Coves | 1 |  | Focus Group | Map 3 |  |
|  | Congestion | Northpark at Russell Palmer- Harris County Line | 4 |  | Focus Group |  | Safety -accidents . |
| 24 | Connections | Old Conroe Rd - improve existing road and extendfrom FM1488 northto Loop 3365 | 2 |  | Focus Group | Map 2 |  |
| 24 | Connections | Old Conroe Rd - Re-build bridge, connect to Conroe | 2 |  | Focus Group | Map 1 |  |
| 30 | Connections | Old Conroe Rd extend from FM 1488, south, to Branch Crossing | 2 |  | Focus Group | Map 5 |  |
| 39 | Congestion | Old Hwy 105 in Cut and Shoot construct a bridge across Caney Creek - Replace? | 4 |  | Focus Group | Map 5 |  |
| 18 | Congestion | Old Montgomery Rd./Little Egypt - widen/improve from FM830 to I-45N | 2 |  | Focus Group | Map 4 |  |
| 71 | Connections | Plantation Dr. extend from Loop336 to FM3083 to League Line Rd | 1 |  | Focus Group | Map 2 |  |
| 1 | Connections | Pooles Road (W of Montgomery) - connect FM 1097 with SH 105 | 1 |  | Focus Group | Map 3 |  |
|  | Congestion | Rayford - widen from Lazy to Aldine Westfield | 3 |  | Focus Group |  |  |
|  | Congestion | Rayford at UPRR - Grade separation | 3 |  | Focus Group |  |  |
|  | Connections | Road between SH105 and Loop 336N (via airport?) | 1 |  | Focus Group | Conroe |  |
| 44 | Congestion | Robertson at Hanna (dog leg) Improve intersection | 3 |  | Focus Group | Map 4 |  |
| 60 | Congestion | Roman Forest- expand bridge at Peach Creek to 4 lanes (currently 4 lane rd to 2 lane bridge to 4 lane road) | 4 |  | Focus Group | Map 5 |  |
| 67 | Connections | S. 1st Street - extend from utility easement to Loop 336 | 1 |  | Focus Group | Map 1 |  |

[^1]Summary List of Workshop Notes and Maps

| Map \# | Issue | Street | Precinct |  |  | Source | Map | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 23 | Congestion | Sapp - widen to accommodate future development | 2 |  |  | Focus Group | Map 4 |  |
|  | Congestion | SH 105 | 1 | 2 | 4 | A. France | Montgomery | 2 |
| 40 | Congestion | SH 105 - Severe Truck traffic at Cut and shoot | 4 |  |  | Focus Group | Map 2 |  |
| 9 | Congestion | SH 105 at FM 149 - severe congestion, major delays, truck traffic, major intersection in Montgomery | 2 |  |  | Focus Group | Map 3 | \#1 for the City of Montgomery |
|  | Congestion | SH 105 E | 1 | 4 |  | J. Bleyl | Conroe | 4 |
|  | Congestion | SH 105E - improve from FM 1314 to Whipporwill | 1 | 4 |  | T. Woolley | Conroe | 4 |
| 42 | Congestion | SH 105E at Loop 336E (pinch point) | 1 |  |  | Focus Group | Map 5 |  |
| 1 | Congestion | SH 105W - widen/improve through the city of Montgomery (lacks sufficient ROW) | 1 | 2 |  | Focus Group | Map 3 | 2 |
| 6 | Congestion | SH 105W at FM 149 - truck issues, including turning radius, traffic signals, etc | 2 | 1 |  | Focus Group | Map 3 | 1 |
| 41 | Congestion | SH 242 at I-45N intersection improvement | 2 | 4 |  | Focus Group | Precinct 4 |  |
| 45 | Congestion | SH 242at FM1314 | 4 |  |  | A. France | Map 5 |  |
| 20/66 | Congestion | SH 75 - Widen from FM3083 north to I-45 | 1 |  |  | Focus Group | Map 1 |  |
| 57 | Congestion | Sorters - widen from 2 to 4 lanes divided from FM1314 to US59 (RTP 191) | 4 |  |  | Focus Group | Map 5 | Safety - Heavy Truck Traffic, accidents. |
|  | Connections | Spur 149 - extend North from FM 1488 to Keegan Cut off Road | 2 |  |  | Focus Group |  |  |
|  | Connections | Townsen connect south to City of Houston road and North to Riley Fuzzell/Grand Parkway | 3 |  |  | Focus Group |  |  |
| 38 | Congestion | Wallis Waukegan improve/widen from SH105 to FM1484 | 4 | 1 |  | Focus Group | Map 5 | 1 |
| 43 | Congestion | Waukegan widen/improve, heavy truck traffic (needs additional ROW, existing ROW 26') | 4 |  |  | Focus Group | Map 5 |  |
| 5 | Connections | Westway - improve and extend from SH 105, north to Lone Star Loop | 1 |  |  | Focus Group | Map 9 |  |
|  | Connections | Willis Loop (West Side) - new road | 1 |  |  | Focus Group | Map 1 |  |
| 58 | Connections | Woodland Hills extend from North Park to Ford Road (RTP 193) | 4 |  |  | Focus Group | Map 5 |  |
| 36 | Connections | Woodlands Parkway - extend west from FM2978 to SH249 | 2 |  |  | Focus Group | Map 5 |  |

## Montgomery County Thoroughfare Plan: Focus Group Input

| Issue | Road and Issue | Precinct |  | Source | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E | Aldine Westfield - extend south to Riley Fuzzell/Harris County | 3 |  | Focus Group |  |
| E | Anderson- new road from FM 3083 to League Line Road | 1 |  | Focus Group |  |
| C | Budde Road widen and improve from a rural to an urban cross section | 3 |  | Focus Group |  |
| C | Calvary - widen to 4 lanes | 1 |  | Focus Group |  |
| C | Calvary/I-45/SH 75 - a lot of accidents | 1 |  | Focus Group |  |
| E | Carriage Hills - extend to Creighton - new road/bridge | 2 |  | Focus Group |  |
| E | Carriage Hills - extend to Sand/White - new road | 2 |  | Focus Group |  |
| E | City of Montgomery by-pass - South | 1 | 2 | Focus Group | \#2 for the City of Montgomery |
| E | Creighton - remove jog east of freeway | 4 |  | Focus Group |  |
| E | Creighton extend W to Old Conroe to FM 2854 to SH 105 (form loop) | 1 | 2 | Focus Group |  |
| C | Cude Cemetery Rd - improve and widen between FM 1484 to FM 1097 | 1 |  | Focus Group |  |
| E | Daw Collins - extend south from FM 2090 to SH 242 | 4 |  | Focus Group |  |
| C | Daw Collins - widen from FM 2090 to SH 105 | 4 |  | Focus Group |  |
| C | Dobbin-Huffsmith from Harden-Store Rd NW to FM 1488 - heavily congested | 2 |  | Focus Group |  |
| E | Drennan - extend from US 75 to I-45 | 1 |  | Focus Group |  |
| E | Firetower - extend north from FM 2090 to SH 105 | 4 |  | Focus Group | Create a N/S road (Hayden-Firetower) from SH 105 to Gene Campbell Rd |
| E | FM 1097 - extend from west side of Lake Conroe south to Lone Star Parkway | 1 |  | Focus Group |  |
| C | FM 1097 - Widen bridge across Lake Conroe (safety concerns) | 1 |  | Focus Group |  |
| C | FM 1097 - Widen from the west side of Lake Conroe east to I-45 | 1 |  | Focus Group |  |
| C | FM 1097 at I-45-eliminate 2-way frontage roads | 1 |  | Focus Group | Accidents |
| E | FM 1097 extend south to Lone Star Parkway | 1 |  | A. France |  |
| E | FM 1097 extension to FM 149 (remove jog) | 1 |  | T. Woolley |  |
| E | FM 1314 Extension north from SH 105(E) to Loop 336(N) | 1 |  | T. Woolley |  |
| 0 | FM 1486 - improve from SH 105 to FM 1774 | 1 | 2 | Focus Group | Improve to accommodate future development |
| C | FM 1488 at I-45 (Change intersection from rural to urban design) | 2 |  | J. Bleyl |  |
| E | FM 149 - extend west from Jackson to new SH 249 | 2 |  | Focus Group |  |
| C | FM 149 - widen from SH 105 north to FM 1097 W | 1 |  | T. Woolley |  |
| C | FM 149 - widen from SH 105 to FM 1488 (truck traffic and congestion) | 1 | 2 | Focus Group |  |
| C | FM 1774 at FM 1488 (improve intersection) | 2 |  | Focus Group | Intersection design |
| C | FM 2090 - widen from US 59 to Daw Collins Rd | 4 |  | Splendora ISD |  |
| C | FM 2090 at I-69-service roads not complete | 4 |  | Focus Group |  |
| C | FM 2090 at IH 69/RR - need RR crossing | 4 |  | Focus Group |  |
| C | FM 2854 - widen from SH 105W, east, to I-45 (RTP 503) | 1 | 2 | Focus Group | Easier and faster than using SH 105 |


| Issue | Road and Issue | Precinct |  | Source | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: |
| E | FM 2854 (Old Montgomery Road) direct access to IH-45 | 1 |  | A. France |  |
| C | FM 2978 - widen from Hardin-Store Road to FM 1488 | 2 |  | Focus Group |  |
| C | FM 2978 at FM 1488 - severe congestion | 2 |  | Focus Group |  |
| C | FM 3083 and Pollok Dr- Improve intersection | 1 |  | Focus Group |  |
| C | FM 3083 at FM 1484 | 1 |  | Focus Group |  |
| C | FM 3083 at shopping center entrance | 1 |  | A. France |  |
| C | FM 830/Seven Coves - widen from I-45 west to Lake Conroe | 1 |  | Focus Group |  |
| C | Ford Rd. - reconstruct and widen from US 59N to Mills Branch (RTP 3054) | 4 |  | Focus Group |  |
| E | Galaxy - construct 4 lane divided from Essex Dr to FM 1485 (RTP 3059) | 4 |  | Focus Group |  |
| C | Gosling from Creekside Dr to Flintridge | 3 |  | Focus Group | Harris County |
| E | Gosling/Peoples extend from FM 1488 to SH 242 (very important connection N/S connectivity) | 2 |  | Focus Group |  |
| E | Gosling/Peoples extend from Old Conroe to FM 1488 (RTP 379) | 2 |  | Focus Group |  |
| E | Hayden - extend south from SH 242 to Gene Campbell | 4 |  | Focus Group | Create a N/S road (Hayden-Firetower) from SH 105 to Gene Campbell Rd |
| C | Honea Egypt/Fish Creek Thoroughfare/McCaleb - Widen/Improve from FM 1488 to FM 2854 to SH 105 (RTP15481) | 2 |  | Focus Group |  |
| C | I-45 /SH 75/Loop 336S | 1 |  | A. France |  |
| C | I-45 at FM 1097 | 1 |  | Focus Group |  |
| C | I-45 at FM 3083 | 1 |  | A. France |  |
| C | I-45 at Loop 336N | 1 |  | A. France |  |
| E | I-45 at Rayford/Sawdust - very congested | 3 |  | Focus Group |  |
| C | I-45 at SH 105 | 1 |  | A. France |  |
| E | I-45 Northbound and southbound frontage roads from FM 830 to FM 1097. | 1 |  | T. Woolley |  |
| E | I-45 Northbound frontage road from League Line Road to FM 830. | 1 |  | T. Woolley |  |
| E | I-45 to SH 75 (north) | 1 |  | A. France |  |
| 0 | Jackson Road - improve between FM 149 and FM 1486 | 1 |  | Focus Group | Narrow road, improve to accommodate future development |
| C | Jefferson Chemical - widen/improve from FM 1485 to FM 3083 (heavy truck traffic) | 1 | 4 | Focus Group |  |
| E | Jefferson Chemical extend south to FM 1314 (Tildea) | 4 |  | Focus Group |  |
| C | Kuykendahl at Spring Creek - needs another 2 lane bridge | 3 |  | Focus Group |  |
| E | LaSalle Ave - Extend to Longmire | 1 |  | A. France |  |
| E | League Line Rd ext - new road from SH 75 to new FM 1484 | 1 |  | Focus Group |  |
| E | Little Egypt - Extend to League Line Rd. (RTP 15479) | 1 |  | T. Woolley |  |
| 0 | Lone Star Parkway - widen and upgrade to TxDOT standards | 1 |  | Focus Group |  |
| C | Longmire Road (RTP 7553) | 1 |  | T. Woolley |  |
| E | Longstreet Road - Extend east to SH 75 | 1 |  | T. Woolley |  |
| C | Loop 336 - all | 1 |  | T. Woolley |  |
| C | Loop 336S- Widen from FM 2854 to SH 105E | 1 | 2 | A. France |  |
| E | Magnolia by-pass from FM 1488E of RR to SH 249 to FM 1488 W of town. | 2 |  | Focus Group |  |


| Issue | Road and Issue | Precinct |  |  | Source | Comments |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| E | Magnolia Ridge - extend south to FM 1774 | 2 |  |  | Focus Group |  |
| E | N. Buffalo Springs extend and improve from Lone Star Loop to FM 1097 | 1 |  |  | Focus Group |  |
| E | New Road \#1 - new connection between SH 242 to I-69 | 4 |  |  | Focus Group | See Map C |
| E | New Road \#2 - Connect New Road \#1 To FM 2090 to Morgan Cemetery to SH 105 | 4 |  |  | Focus Group | See Map C |
| E | New Road \#3 - Connect I-69 west to Crocket Martin to FM 1485 to FM3038 | 4 |  |  | Focus Group | See Map C |
| E | New Road \#4 (Morgan Cemetery) - extend from Daw Collins west to FM 1314 | 4 |  |  | Focus Group | See Map C |
| E | New Road/connection - Rayford to SH 242 (alternative to I-45) | 3 |  |  | Focus Group |  |
| E | New Willis by-pass from Sheppard Hill to I-45 to FM 1097 to Rose Rd to 7 Coves | 1 |  |  | Focus Group |  |
| C | Northpark at Russell Palmer- Harris County Line | 4 |  |  | Focus Group | Safety/accidents |
| E | Old Conroe Rd - improve existing road and extend from FM 1488 north to Loop 336S | 2 |  |  | Focus Group |  |
| E | Old Conroe Rd - Re-build bridge, connect to Conroe | 2 |  |  | Focus Group |  |
| E | Old Conroe Rd extend from FM 1488, south, to Branch Crossing | 2 |  |  | Focus Group |  |
| C | Old Hwy 105 in Cut and Shoot construct a bridge across Caney Creek - Replace? | 4 |  |  | Focus Group |  |
| C | Old Montgomery Rd./Little Egypt - widen/improve from FM 1484 to I-45 | 2 |  |  | Focus Group |  |
| E | Plantation Dr. extend from Loop 336 to FM 3083 to League Line Rd | 1 |  |  | Focus Group |  |
| E | Pooles Road (W of Montgomery) - connect FM 1097 with SH 105 | 1 |  |  | Focus Group |  |
| C | Rayford - widen from Lazy to Aldine Westfield | 3 |  |  | Focus Group |  |
| C | Rayford at UPRR - Grade separation | 3 |  |  | Focus Group |  |
| E | Road between SH 105 and Loop 336N (via airport?) | 1 |  |  | Focus Group |  |
| C | Robertson at Hanna (dog leg) Improve intersection | 3 |  |  | Focus Group |  |
| C | Roman Forest- expand bridge at Peach Creek to 4 lanes (currently 4 lane rd to 2 lane bridge to 4 lane road) | 4 |  |  | Focus Group |  |
| E | S. 1st Street - extend from utility easement to Loop 336 | 1 |  |  | Focus Group |  |
| C | Sapp - widen to accommodate future development | 2 |  |  | Focus Group |  |
| C | SH 105 | 1 | 2 | 4 | A. France |  |
| C | SH 105 - Severe Truck traffic at Cut and shoot | 4 |  |  | Focus Group |  |
| C | SH 105 at FM 149 - severe congestion, major delays, truck traffic, major intersection in Montgomery | 2 |  |  | Focus Group | \#1 for the City of Montgomery |
| C | SH 105E | 1 | 4 |  | J. Bleyl |  |
| C | SH 105E - improve from FM 1314 to Whippoorwill | 1 | 4 |  | T. Woolley |  |
| C | SH 105E at Loop 336E (pinch point) | 1 |  |  | Focus Group |  |
| C | SH 105W - widen/improve through the city of Montgomery (lacks sufficient ROW) | 1 | 2 |  | Focus Group |  |
| C | SH 105W at FM 149 - truck issues, including turning radius, traffic signals, etc | 1 | 2 |  | Focus Group |  |
| C | SH 242 at FM 1314 | 4 |  |  | A. France |  |
| C | SH 242 at I-45 intersection improvement | 2 | 4 |  | Focus Group |  |
| C | SH 75 - Improve/widen from FM 3083 north to I-45 | 1 |  |  | Focus Group |  |
| C | Sorters - widen from 2 to 4 lanes divided from FM 1314 to I-69 (RTP 191) | 4 |  |  | Focus Group | Safety - Heavy Truck Traffic, accidents |
| E | Spur 149 - extend North from FM 1488 to Keegan Cut off Road | 2 |  |  | Focus Group |  |


| Issue | Road and Issue | Precinct | Source |  |  |
| :---: | :--- | :--- | :--- | :--- | :--- |
| E | Townsen connect south to City of Houston road and North to Riley Fuzzell/Grand Parkway | 3 |  | Focus Group |  |
| C | Wallis Waukegan improve/widen from SH 105 to FM 1484 | 1 | 4 |  | Focus Group |
| C | Waukegan widen/improve, heavy truck traffic (needs additional Row, existing ROW 26') | 4 |  |  |  |
| E | Westway - improve and extend from SH 105, north to Lone Star Loop |  | Focus Group |  |  |
| E | Willis Loop (West Side) - new road | 1 |  | Focus Group |  |
| E | Woodland Hills extend from North Park to Ford Road (RTP 193) | 1 |  | Focus Group |  |
| E | Woodlands Parkway - extend west from FM 2978 to SH 249 | 4 |  | Focus Group |  |



DEVELOPMENTS



Key
C $\quad$ Congestion
Extension/Connection
O Other (safety, design issues, etc.
Issue areas that were identified numerous times at different meetings.

Precinct 1

| Issue | Street | Source | Comments |
| :---: | :---: | :---: | :---: |
| E | Anderson- new road from FM 3083 to League Line Road | Focus Group |  |
| C | Calvary - widen to 4 lanes | Focus Group |  |
| C | Calvary/I-45/SH 75 - a lot of accidents | Focus Group |  |
| E | City of Montgomery by-pass - South | Focus Group | \#2 for the City of Montgomery |
| E | Creighton extend W to Old Conroe to FM 2854 to SH 105 (form loop) | Focus Group |  |
| C | Cude Cemetery Rd - improve and widen between FM 1484 to FM 1097 | Focus Group |  |
| E | Drennan - extend from US 75 to I-45 | Focus Group |  |
| E | FM 1097 - extend from west side of Lake Conroe south to Lone Star Parkway | Focus Group |  |
| C | FM 1097 - Widen bridge across Lake Conroe (safety concerns) | Focus Group |  |
| C | FM 1097 - Widen from the west side of Lake Conroe east to I-45 | Focus Group |  |
| C | FM 1097 at I-45-eliminate 2-way frontage roads | Focus Group | Accidents |
| E | FM 1097 extend south to Lone Star Parkway | A. France |  |
| E | FM 1097 extension to FM 149 (remove jog) | T. Woolley |  |
| E | FM 1314 Extension north from SH 105(E) to Loop 336(N) | T. Woolley |  |
| 0 | FM 1486 - improve from SH 105 to FM 1774 | Focus Group | Improve to accommodate future development |
| C | FM 149 - widen from SH 105 north to FM 1097 W | T. Woolley |  |
| C | FM 2854 - widen from SH 105W, east, to I-45 (RTP 503) | Focus Group | Easier and faster than using SH 105 |
| E | FM 2854 (Old Montgomery Road) direct access to IH-45 | A. France |  |
| C | FM 3083 and Pollok Dr- Improve intersection | Focus Group |  |
| C | FM 3083 at FM 1484 | Focus Group |  |
| C | FM 3083 at shopping center entrance | A. France |  |
| C | FM 830/Seven Coves - widen from I-45 west to Lake Conroe | Focus Group |  |
| C | I-45 at FM 1097 | Focus Group |  |
| C | I-45 at FM3083 | A. France |  |
| C | I-45 at Loop 336N | A. France |  |
| C | I-45 at SH 105 | A. France |  |
| E | I-45 Northbound and southbound frontage roads from FM 830 to FM 1097. | T. Woolley |  |
| E | I-45 Northbound frontage road from League Line Road to FM 830. | T. Woolley |  |
| E | I-45 to SH 75 (north) | A. France |  |
| C | I-45/SH 75/Loop 336S | A. France |  |
| 0 | Jackson Road - improve between FM 149 and FM 1486 | Focus Group | Narrow road, improve to accommodate future development |
| C | Jefferson Chemical - widen/improve from FM 1485 to FM3083 | Focus Group | Heavy truck traffic |
| E | LaSalle Ave - Extend to Longmire | A. France |  |
| E | League Line Rd ext - new road from SH 75 to new FM 1484 | Focus Group |  |


| Issue | Street | Source |  |
| :---: | :--- | :--- | :--- |
| E | Little Egypt - Extend to League Line Rd. (RTP 15479) | T. Woolley |  |
| O | Lone Star Parkway - widen and upgrade to TxDOT standards | Focus Group |  |
| C | Longmire Road (RTP 7553) | T. Woolley |  |
| E | Longstreet Road - Extend east to SH 75 | T. Woolley |  |
| C | Loop 336 - all | T. Woolley |  |
| C | Loop 336S- Widen from FM 2854 to SH 105E | A. France |  |
| E | N. Buffalo Springs extend and improve from Lone Star Loop to FM 1097 | Focus Group |  |
| E | New Willis by-pass from Sheppard Hill to I-45 to FM 1097 to Rose Rd to 7 Coves | Focus Group |  |
| E | Plantation Dr. extend from Loop 336 to FM 3083 to League Line Rd | Focus Group |  |
| E | Pooles Road (W of Montgomery) - connect FM 1097 with SH 105 | Focus Group |  |
| E | Road between SH 105 and Loop 336N (via airport?) | Focus Group |  |
| E | S. 1st Street - extend from utility easement to Loop 336 | Focus Group |  |
| C | SH 105E | J. Bleyl |  |
| C | SH 105E - improve from FM 1314 to Whippoorwill | T. Woolley |  |
| C | SH 105E at Loop 336E (pinch point) | Focus Group |  |
| C | SH 105W - widen/improve through the city of Montgomery (lacks sufficient ROW) | Focus Group |  |
| C | SH 105 C at FM 149 - truck issues, including turning radius, traffic signals, etc | Focus Group |  |
| C | SH 75 - Improve/widen from FM 3083 north to I-45 | Focus Group |  |
| C | Wallis Waukegan improve/widen from SH 105 to FM 1484 | Focus Group |  |
| E | Westway - improve and extend from SH 105, north to Lone Star Loop | Focus Group |  |
| E | Willis Loop (West Side) - new road | Focus Group |  |


| Key |  |
| :---: | :--- |
| C | Congestion |
| E | Extension/Connection |
| O | Other (safety, design issues, etc.) |

Issue areas that were identified numerous times at different meetings.

## Precinct 2

| Issue | Street | Source | Comments |
| :---: | :---: | :---: | :---: |
| E | Carriage Hills - extend to Creighton - new road/bridge | Focus Group |  |
| E | Carriage Hills - extend to Sand/White - new road | Focus Group |  |
| E | City of Montgomery by-pass - South | Focus Group | \#2 for the City of Montgomery |
| E | Creighton extend W to Old Conroe to FM 2854 to SH 105 (form loop) | Focus Group |  |
| C | Dobbin-Huffsmith from Harden-Store Rd NW to FM 1488 - heavily congested | Focus Group |  |
| 0 | FM 1486 - improve from SH 105 to FM 1774 | Focus Group | Improve to accommodate future development |
| C | FM 1488 at I-45 (Change intersection from rural to urban design) | J. Bleyl |  |
| E | FM 149 - extend west from Jackson to new SH 249 | Focus Group |  |
| C | FM 149 - widen from SH 105 to FM 1488 (truck traffic and congestion) | Focus Group |  |
| C | FM 1774 at FM 1488 (improve intersection) | Focus Group | Intersection design |
| C | FM 2854 - widen from SH 105W, east, to I-45 (RTP 503) | Focus Group | Easier and faster than using SH 105 |
| C | FM 2978 - widen from Hardin-Store Road to FM 1488 | Focus Group |  |
| C | FM 2978 at FM 1488 - severe congestion | Focus Group |  |
| E | Gosling/Peoples extend from FM 1488 to SH 242 (very important connection N/S connectivity) | Focus Group |  |
| E | Gosling/Peoples extend from Old Conroe to FM 1488 (RTP 379) | Focus Group |  |
| C | Honea Egypt/Fish Creek Thoroughfare/McCaleb - Widen/Improve from FM 1488 to FM 2854 to SH 105 (RTP15481) | Focus Group |  |
| C | Loop 336S- Widen from FM 2854 to SH 105E | A. France |  |
| E | Magnolia by-pass from FM 1488E of RR to SH 249 to FM 1488 W of town. | Focus Group |  |
| E | Magnolia Ridge - extend south to FM 1774 | Focus Group |  |
| E | Old Conroe Rd - improve existing road and extend from FM 1488 north to Loop 336S | Focus Group |  |
| E | Old Conroe Rd - Re-build bridge, connect to Conroe | Focus Group |  |
| E | Old Conroe Rd extend from FM 1488, south, to Branch Crossing | Focus Group |  |
| C | Old Montgomery Rd./Little Egypt - widen/improve from FM 1484 to I-45 | Focus Group |  |
| C | Sapp - widen to accommodate future development | Focus Group |  |
| C | SH 105 | A. France |  |
| C | SH 105 at FM 149-severe congestion, major delays, truck traffic, major intersection in Montgomery | Focus Group | \#1 for the City of Montgomery |
| C | SH 105W - widen/improve through the city of Montgomery (lacks sufficient ROW) | Focus Group |  |
| C | SH 105W at FM 149 - truck issues, including turning radius, traffic signals, etc | Focus Group |  |
| C | SH 242 at I-45 intersection improvement | Focus Group |  |
| E | Spur 149 - extend North from FM 1488 to Keegan Cut off Road | Focus Group |  |
| E | Woodlands Parkway - extend west from FM 2978 to SH 249 | Focus Group |  |

$\square$
C $\quad$ Congestion
E Extension/Connection
O Other (safety, design issues, etc.)
Issue areas that were identified numerous times at different meetings.
11/7/2014

## Precinct 3

| Issue | Street | Source | Comments |
| :---: | :--- | :--- | :--- |
| C | Budde Road widen and improve from a rural to an urban cross section | Focus Group |  |
| C | Gosling from Creekside Dr to Flintridge | Focus Group | Portion in Harris County |
| C | Kuykendahl at Spring Creek - needs another 2 lane bridge | Focus Group |  |
| C | Rayford - widen from Lazy to Aldine Westfield | Focus Group |  |
| C | Rayford at UPRR - Grade separation | Focus Group |  |
| C | Robertson at Hanna (dog leg) Improve intersection | Focus Group |  |
| E | Aldine Westfield - extend south to Riley Fuzzell/Harris County | Focus Group |  |
| E | New Road/connection - Rayford to SH 242 (alternative to I-45) | Focus Group |  |
| E | I-45 at Rayford/Sawdust - very congested | Focus Group |  |
| E | Townsen connect south to City of Houston road and North to Riley Fuzzell/Grand Parkway | Focus Group |  |

Note: No Focus Group meetings were held in Pct. 3. (due to South County Mobility Plan). These comments came from Focus Group meetings held in other parts of Montgomery County.


Issue areas that were identified numerous times at different meetings.

Precinct 4

| Issue | Street | Source | Comments |
| :---: | :---: | :---: | :---: |
| E | Creighton - remove jog east of freeway | Focus Group |  |
| E | Daw Collins - extend south from FM 2090 to SH 242 | Focus Group |  |
| C | Daw Collins - widen from FM 2090 to SH 105 | Focus Group |  |
| E | Firetower - extend north from FM 2090 to SH 105 | Focus Group | Create a N/S road (Hayden-Firetower) from SH 105 to Gene Campbell Rd |
| C | FM 2090 - widen from I-69 to Daw Collins Rd | Splendora ISD |  |
| C | FM 2090 at I-69-service roads not complete | Focus Group |  |
| C | FM 2090 at IH 69/RR - need RR crossing | Focus Group |  |
| C | Ford Rd. - reconstruct and widen from I-69N to Mills Branch (RTP 3054) | Focus Group |  |
| E | Galaxy - construct 4 lane divided from Essex Dr to FM 1485 (RTP 3059) | Focus Group |  |
| E | Hayden - extend south from SH 242 to Gene Campbell | Focus Group | Create a N/S road (Hayden-Firetower) from SH 105 to Gene Campbell Rd |
| C | Jefferson Chemical - widen/improve from FM 1485 to FM3083 (heavy truck traffic) | Focus Group |  |
| E | Jefferson Chemical extend south to FM 1314 (Tildea) | Focus Group |  |
| E | New Road \#1 - new connection between SH 242 to I-69 | Focus Group | See Map C |
| E | New Road \#2 - Connect New Road \#1 To FM 2090 to Morgan Cemetery to SH 105 | Focus Group | See Map C |
| E | New Road \#3 - Connect I-69 west to Crocket Martin to FM 1485 to FM3038 | Focus Group | See Map C |
| E | New Road \#4 (Morgan Cemetery) - extend from Daw Collins west to FM 1314 | Focus Group | See Map C |
| C | North park at Russell Palmer- Harris County Line | Focus Group | Safety/accidents |
| C | Old Hwy 105 in Cut and Shoot construct a bridge across Caney Creek - Replace? | Focus Group |  |
| C | Roman Forest- expand bridge at Peach Creek to 4 lanes (currently 4 lane rd to 2 lane bridge to 4 lane road) | Focus Group |  |
| C | SH 105 | A. France |  |
| C | SH 105 - Severe Truck traffic at Cut and shoot | Focus Group |  |
| C | SH 105E | J. Bleyl |  |
| C | SH 105E - improve from FM 1314 to Whippoorwill | T. Woolley |  |
| C | SH 242 at FM 1314 | A. France |  |
| C | SH 242 at I-45 intersection improvement | Focus Group |  |
| C | Sorters - widen from 2 to 4 lanes divided from FM 1314 to I-69 (RTP 191) | Focus Group | Safety - Heavy Truck Traffic, accidents |
| C | Wallis Waukegan improve/widen from SH 105 to FM 1484 | Focus Group |  |
| C | Waukegan widen/improve, heavy truck traffic (needs additional ROW, existing ROW 26') | Focus Group |  |
| E | Woodland Hills extend from North Park to Ford Road (RTP 193) | Focus Group |  |


| Key |  |
| :---: | :--- |
| C | Congestion |
| E | Extension/Connection |
| O | Other (safety, design issues, etc.) |

Issue areas that were identified numerous times at different meetings

Focus Group Meetings
September 2015

## CÓNNECTIONS <br> Montgomery County <br> THOROUGHFARE PLAN

## Documentation

- Invitee List
- Meeting Information
- Sign-in Sheets
- Meeting Summary
- Meeting Maps

MONTGOMERY COUNTY THOROUGHFARE PLAN Focus Groups
September 2015

## Precinct 1: Willis, Panorama Village, Cut and Shoot |Sept

Commissioner Mike Meador, Mike Beitler, Mayor Kravetz, Mayor Reed, Pat Riley, Hector Marge littleton
Carlene Mullins, Thomas Gray, David Wurdlow, Gaby Tassin, Mark Ingram
Precinct 2: Magnolia, Pinehurst, Stagecoach \| Sept.
Commissioner Riley, Paul Mendes, Mayor Mansee, Jack Yates, Mayor Jones, Eric Smith Carlene Mullins, Thomas Gray, David Wurdlow, Gaby Tassin, Mark Ingram
Precinct 3: The Woodlands Township, Oak Ridge North, Shenandoah | Sept Commissioner Noack, Matt Beasley, Greg Smith, Don Norrell, Vicky Rudy Commissioner Noack, Maft Beasley, Greg Smith, Don Norrell, Vicky Rudy
Carlene Mullins, Thomas Gray, David Wurdlow, Gaby Tassin, Mark Ingram

Precinct 4: Cut and Shoot, Patton Village, Woodbranch, Roman Forest | Sept Commissioner Jim Clark, Mayor Welch, Mayor Thompson, Mayor Tarrant, Mayor Wolfe, Mayor Carlene Mullins, Thomas Gray, David Wurdlow, Gaby Tassin, Mark Ingram

## Montgomery |Sept

Mayor Jones Bill Kotlan, Erik Smith
Carlene Mullins, Thomas Gray, David Wurdlow, Gaby Tassin, Mark Ingram
Conroe | Sept.
, Adam France, Richard Brown?, Melody Galland?, Mark Mooney Carlene Mullins, Thomas Gray, David Wurdlow, Gaby Tassin, Mark Ingram

## Montgomery County Thoroughfare Plan <br> Focus Group Meeting <br> September 8-10, 2015 <br> Montgomery County THOROUGHFARE PLAN

## What is a Thoroughfare Plan?

- A Thoroughfare Plan is not a list of construction projects but rather serves as tool to enable the County to preserve future corridors for transportation system development as the need arises.


## Why do we need Thoroughtare Plan?

- Long-range plan $-50+$ Years
- Develop a Transportation System
- Right-of-Way Preservation
- Cooraination of Develo

Logens

2012 Montgomery County Thoroughfare Plan
HEAC


## Focus Group Inpu

- Review Maps
- 50 year horizon
- Keep an open mind.

Public Meetings: November 4-19, 2015

## Questions:

- Carlene Mullins 832-681-2585
- Thomas Gray

832-681-2545
thomas.gray@h-gac.com

- Website: MontgomeryCountyMobility.com

Precinct 4 Focus Group
$918 / 15$
MCTP
Name City email/phone \#\% ${ }_{251-513-0247}$ Dorothywelch Splendora wekchdorothrLeeayahco.com Tracy Willett New Caney Tracy. Willettomctxorg Bill Smith mont lofety william suithemetrorce Jennifersteen Halff Assoc. istecenehalficom
Nyla Dalhans Cutand Shoot nyla,dalhaus@metx.org Mark Ingram CobbFendley mingranDcobbtendley: ion
Leah Tarrant Patton Village 1.tarrant epattonvillage.us
Liz Mullane Ramonferest Iir.mullane Quity ofreman forest.ong

2:00 pm
Don Norrell - The Woodlands Township
Grea Anith-Shenandoah
Gaby
gennifer
Calene
Thamas



## Montgomery County Thoroughfare Plan Focus Groups

 September 2015 Meeting SummariesThe purpose of the second round of Focus Groups was to receive input from community members regarding the Montgomery County Thoroughfare Plan draft map before it was presented to the public in November. Revisions were made to the draft map based on input that was received at the meetings. (Project team meeting attendees: Carlene Mullins, Thomas Gra) Gaby Tassin, Jennifer Steen, Mark Ingram)

Precinct 4: Grangerland Community Center - September 8, 2015
Attendees: Dorothy Welch, Tracy Willett, Bill Smith, Nyla Dalhaus, Leah Tarrant, Liz Mullane
Comments on Map

- Extend Galaxy south to Grand Parkway
- Add more $\mathrm{n} / \mathrm{s}$ roads from SH 105 to SH 242 and IH $69 / \mathrm{US} 59$
- Verify roads with "?", what is the source.

Extend Sorters north to Grand Parkway
Extend Pickering south to "new" Sorters road

- Add a road between Jefferson Chemical/Sadie to County Line R
- Use N. Duck Creek Road instead of California Ave. to extend Fire Tower road north to San Jacinto County


## Precinct 3: South County/Shenandoah - September 8, 2015

Attendees: Greg Smith, Don Norrell, Mike Bas.

- Harris County Commissioner Cagle wants to move Sawmill extension to someplac where creek crossing is shorter or easier
- What does this map do to alleviate congestion on I-45? Hardy Toll Road probably isn't feasible at this point
- Unless we find a way to put it down the middle of I-45, commuter rail into Montgomer County is not going to happen
Gaby wants to collect comments from all focus group meetings before amending map
Precinct 1: Montgomery - September 9, 2015
Attendees: Jack Yates, Kirk Jone
- Lots of floodplain $=$ lots of bridges that will need to be built
- New high school is about to begin construction on SE side of Montgomery
- Need to emphasize that lines on the map are not exact alignments; final alignments will be determined during the development process and require engineering/design
- How much influence do we have over TxDOT's plans?
- City wants to extend Emma's Way - might be considered a collector rather than a majo thoroughfare; add Walden and Bois D'Arc as collectors too
- City wants South Lone Star Parkway on next TIP
- Montgomery has completely turned over its city administration, so they haven't touched , ately
- Look at TxDOT schematics for SH 105 - Montgomery needs relief
- Montgomery needs public meeting notice to include in water bill mailout by October 20

Comments on Map:

- Show Walden Road
- Show Buffalo Springs and extend south to Rabon Chapel
- Add a connection between Walden and Lone Star Parkway
- Extend Rabon Chapel south to FM 1488
- Adjust alignment of FM 2854

Precinct 2: Magnolia - September 9, 2015
Attendees: Commissioner Charlie Riley, Paul Mendes, Don Dean

- North extension of 149 Spur will go through Lone Star College property - Riley to investigate
- Alignment of 249 toll road NW of Magnolia / NE of Todd Mission has changed - check to make sure alignment is correct
- Need to think about another way to connect 1486 to 149 across floodplain
- How do we get across Grimes County to SH 6 to provide alternative to 105 ? We wil probably get opposition from Grimes County
- People get stranded in the area N of 1488 and W of Conroe due to flooding - new development (Woodforest) and floodplain create barriers to new roads in that area
TxDOT to resume construction on 149/1488 grade crossing in December
- If we can get "Corridor 24 " to work, let's keep it
- We need aerials for the public meetings
ghfare plan to owner of property on N side of 149 Spur (because this is still a draft)?
- Magnolia needs announcements for water bill mail outs by mid-October; can also ge Chamber to do e-mail blasts
- Magnolia is having public meeting about relief route September 22
- Need to find a good way to thread the southern Magnolia relief route without disrupting businesses (and it would probably have to cross UPRR at grade)
- Should we meet with railroads about this plan?

Comments on Map:

- Realign Kennan Cut Off from FM 149 to Walker County Line
- Realign Aggie/Palmetto our of flood plain
- End Pine Lake at FM 2854

Realign Superior to west
Change alignment of SH 249
Move Gladsell alignment north out of floodplain

- Remove Kuykendahl extension north between FM 1488 to FM 2854 due to existing and announced developments


## Precinct 1: Willis - September 10, 201

Attendees: Pat Riley, Marge Littleton

- "The Woodlands North" development W of Willis - apparently the developer has a street plan for that project, but we haven't seen it yet - we need to see if we can get a copy (talk plan for tha project, b
- Another developer has purchased 400 acres W of Willis towards lake (with option to buy more)
- Double check status of Old Danville Road - Willis staff doesn’t think it exists at all (but they like it)
- Willis has plans for "Westside Connector" to these developments (it is on Conroe thoroughfare plan as well as Willis 2025 Comprehensive Plan - they will send copy to Carlene)
- Lots of congestion at I-45 / FM 1097 intersection that could be alleviated by new connections
- Willis could double its population in next 5-10 years due to new developmen
- Need additional connections from I-45 to SH 75
- Need additional $\mathrm{N}-\mathrm{S}$ connector from Conroe to Willis

Comments on Map:

- Dash Old Danville Road
- Show Old Montgomery R
- Extend Calvary to FM 2432 and then to IH 45 (Make a loop around Willis)
- Make a connection between Calvary Road to Old Montgomery Rd
- Extend Longstreet south to FM 3083
- Add a connection between IH 45 and FM 2432 , north of FM $830 /$ Seven Coves, south of 'Loop'
Realign Sadie/Jefferson Chemical between SH 105 to FM 148


## Conroe - September 10, 20105

Attendees: Paul Virgadamo, Chris Bogert Thomas Woolley, Adam France, Scott Taylo Masood Malik

- Virgadamo: What has response to map been like so far? - Positive; we've gotten a lot o productive feedback
- Need for Old Conroe Road connection to South Count
- Woodforest is looking for another route into Conro
- Conroe staff agrees with our modifications to their thoroughfare plan
- Conroe has a couple of existing four-lane roads that we need to show
- Conroe has no access management policies other than what TxDOT requires
- Conroe will vote on their thoroughfare plan before County adopts MCTP to ensure conformity
- Study should address/mention preferred truck routes - Conroe wants trucks out of city
- Tommy Woolley will let us know re: deadline for water bill mail outs

Comments on Map.

- Add Old Montgomery Road
- Extend League Line Road to Lake Conroe
- Add a connection (extension of Longstreet east of IH 45) south to FM 3083 (use Pollok between League Line and FM 3083)
- Dash Old Danville Road
- Show existing FM 3083 between Loop 226 and SH 10
- Show existing Gladstell between Frazier and Porter
- Extend Gladstell from porter to FM 3083
- Modify the alignment of Gosling to follow Conroe MTP, move out of 100 year floodplain
- Delete the extension of Kuykendahl north from FM 1488 to FM 2854 due to modifying the alignment of Gosling and because of the established neighborhoods/announced developments
- evaluation results with flood plain


1940


## evaluation results with flood plain



MONTGOMERY COUNTY THOROUGHFARE PLAN 2016

EVALUATION RESULTS WITH FLOOD PLAIN


Public Meetings
November 2015

Documentation:

- Meeting Summary

Meeting Notification and Publicity
Registration: Sign-in Sheets
Meeting Format: Open House Materials Comments
Photographs

## PUBLIC MEETINGS SUMMARY

Table of Contents

Photographs

Attachments:
Meeting Notification and Publicity
Sign-in Sheets
Comment Card

Montgomery County
THOROUGHARE P PAN

Montgomery County, the City of Conroe, the Houston-Galveston Area Council (H-GAC) and the Texas Department of Transportation (TXDOT) have worked together to develop a Thoroughfare Plan for Montgomery County. The proposed plan is a long-range decades to come by identifying needed roadways and preserving future right-of-way. The proposed plan intends to improve roadway capacity and connectivity throughout the county.

## Public Meetings

A series of four public meetings were convened, one for each Montgomery County precinct, to provide residents ample opportunity to review the proposed county-wide Thoroughfare Plan and give comments.

Tuesday, November 10, 2015
City of Conroe - Conroe Tower
300 W . Davis. 6 th flor, Conroe TX 77301
6-8 p.m.
Thursday, November 12, 2015
henandoah Municipal Complex
6-8 p.m.
Tuesday, November 17, 2015
Magnolia High School
14350 FM 1488, Magnolia, TX 7735
6-8 p.m.
Thursday, Nove
R.B. Tullis Library
R.B. Tulis Library

21569 US 59, New Caney, TX 7735
6.8 p.m

## Meeting Notification and Publicity

Notifications of public meetings took advantage of a broad spectrum of print and electronic media to reach target audiences:

- Legal notices published in the Conroe Courier, Magnolia/Tomball Potpourri, Eastex

Advocate and East Montgomery Observer.

- $H$-GAC proict whis Facebook. Twitter, e-blasts to subscribers and Vision e-
newsletter November 2015 issue.
- Email to state and federal elected officials from Alan Clark, H-GAC Director of Transportation Planning.


## PUBLIC MEETINGS SUMMAR

- Email to local mayors, steering committee members, focus group attendees and area stakeholders asking them to share information regarding the public meetings via socia media, flyers and email distribution lists.
.
- Social media postings via organizations and local residents.
- E-blast from Magnolia Parkway Chamber to subscribers announcing the meeting in Magnolia on November 17, 2015
- Press releases from the office of Montgomery County Judge Craig Doya

Website postings and media attendance resulted in the following articles:

- Conroe Courier moriti Coung sehedules pubic mee ing on thoroughfar plan," October 27, 2015
"Montgomery County schedules public meeting
ry County schedules public meeting on
ber 27, 201
- The Observer, East Montgomery County | "Judge Doyal announces public meetings io

Montgomery County Thoroughfare Plan," October 28, 2015
Houston Chronicle | "Montgomery County holds meetings on road plan,"" October 29 2015
munity Impact | "H-GAC to host public meetings for input on Montgomery County horoughfare Plan," November 3, 2015
Community mpac † | "Montgomery County Thoroughfare Pan identifies mobility need

- Plan is updated work in progress," "November 17, 201
- Community Impact | "Magnolia residents provide input on Montgomery County
- Thoroughfare Pan, November 18, 2015
future roads in EMC," November 22, 2015 | "Proposed Thoroughfare Plan suggests several
- Community Impact | "Thoroughfare plan identifies county mobility needs," December 16, 201

Copies of the
summary repor

## Registration

| City of Conroe |  | City of Shenandoah$11 / 12 / 2015$ |  | Cily of Magnolia <br> $1 / 17 / 2015$ |  | Cily of New Caney$11 / 19 / 2015$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Public | 34 | Public | 65 | Public | 68 | Public |  |
| Elected Officicils | 1 | Elected Officials | 3 | Elected Officials | 1 | Elected Officials |  |
| Media | 0 | Media |  | Medi |  |  |  |

Copies of the sign-in sheets are included in this summary report.

## PUBLIC MEETINGS SUMMARY

Montgomery County
THOROUGHFARE PLAN

## Meeting Format

The meeting was conducted in an open house format. Sign-in tables greeted attendees pon entering each facility, where they were given a handout with information about the roject and a map of the thoroughfare plan. Exhibit boards were set up around the meter of the room and detailed the following:
Welcome board

- What it is

What it is

- Benefits

Plan developmen
Previous plans

- Current plans
- Traffic congestion
- Traffic generators
- Barriers

Roadway design
Draft plan

- Next steps

Multiple tables were set up in the center of the room with maps of the thoroughfare plan. Attendees were encouraged to place numbered dots on areas of concern and approval. Comment cards were available at each map table.

Copies of the handout, exhibit boards and maps are included in this summary report

## Comments

Comments were provided on the written comment card, which corresponded to the oroughfare plan maps. A total of 78 comment cards were completed at the meetings. A included in the appendix. The following key issues were identified:

Woodlands Parkway extension is neede
Against the Tamina Road extension

- Against any thoroughfare through Cimarron Country
- Connect Old Conroe Road/magnolia Road to Sgt. Holcombe

Magnolia loop/Magnolia bypas
Loop around Conroe
Onpose Per San Jacinto River crossing
Oppose Peoples Road impact
Aldematives to $1-45$ throughout the county
Aldine Westield extension via Scarlet Oak Trail (White Oak Estates

PUBLIC MEETINGS SUMMARY $\quad$\begin{tabular}{c}
CONNECTIONS <br>
<br>

| Montgomery County |
| :--- |
| THOROUGHFARE PLAN | <br>

\hline
\end{tabular}

Shenandoah Municipal Complex | Thursday, November 12, 2015


PUBLIC MEETINGS SUMMARY

$$
\begin{aligned}
& \text { CONNECTIONS } \\
& \left\lvert\, \begin{array}{c}
\text { Montgomery County } \\
\text { THOROOUGHARER P PAN }
\end{array}\right.
\end{aligned}
$$



PUBLIC MEETINGS SUMMARY
R.B. Tullis Library | Tuesday, November 19, 2015



## 21569 us 59, New Caney, TX 77357 <br> 6-8 p.m.

Montgomery County, the City of Conroe, the Houston-Galveston Area Council (HGAC) and the Texas Department of Transportation (TxDOT) have worked together to develop a Thoroughfare Plan for Montgomery County. The proposed Plan is a longrange transportation planning tool that will guide the development of Montgomery County for decades to come by identifying needed roadways and preserving futur right-of-way. The proposed plan intends to improve roadway capacity and connectivity throughout the county.

The meeting will consist of an open house beginning at 6:00 p.m. English and Spanish speakers will be available to gather input and answer questions. The facility is
handicapped accessible. H-GAC will provide for reasonable accommodations for persons attending $H$-GAC functions. Requests from persons needing special accommodations should be received by H-GAC staff 24 hours prior to a function. Requests for language interpreters or other special communication needs should be made at least two working days prior to a function. Please call 713-993-2471 for assistance.

- Twitter f Facebook (07) G+ Google
$\star$ Like
Be the first to ike this.
March 4, 2014 in Uncategorized.
$\leftarrow$ Transportation Studies in Montgomery
County

96 thoughts on "Notice of Public Meetings: Montgomery County Thoroughfare Plan"
$\leftrightarrows$ Older Comments

Brian
We need to stop spending time and money on studies when we know what the problem are! This money goes to people who are

## Houston-Galveston Area Council Meeting Notifications and Publicity

4 Houston-Galveston Area Council
Attend and participate!
$H-G A C$ will be hosting a public meeting in the city of Conroe to discuss the Montgomery County Thoroughfare Plan
Tuesday, November 10, 2015
Conroe Tower
300 W. Davis, 6 th floor, Conroe, TX 77301
6-8 p.m.
umw. montgomerycountymobility, com

```
Contact Us
For more information, contact Carlene Mullin
arlene.Mullins@h-gac.com Thomas Gray.
    Carene.Mulins@h-gac.com
Montgomerycountrmobiltycom
```

pre Houston-Galveston Area Council at Conroe Tower: ovember 10 at $3: 58 \mathrm{pm}$ - Conroe, TX- -e
Join us tonight for the Montgomery County Thoroughfare Plan Public Meeting

300 W. Davis, 6th floor, Conroe, TX 77301 6 p.m. - 8 p.m.


H-GAC PUBLIC MEETINGS


Public Meeting Announcement
Public Meeting Announcement
CONTACC
pro Houston-Galveston Area Council at City of
Novenandoan Municipal Complex.
The Montgomery County Thoroughtare Plan is holding it second public
meeting tonight at the Shenandoan Municipal complex from 6 -8pm.
 THOROUGHFARE PLAN

Montgomery County Thoroughfare Plan Montgomery County and the Clity of Conroe, together with $H$-GAC and 7 TOOT are
developing Thorougharer Plan thatis needed to accommodate the future growth within the County. Thoroughtare planning is
pro The Montgomery County Thoroughfar Plan is holding its second public meeting tonight at the Shenandoah Municipal. fb.me/5wdrNydEl

h-GAC PUBLIC MEETINGS


P6C ${ }^{\text {H.GAC }}$
Public Meeting Announcementl f.me/2paaww3.JX
Pre Houst
.
Join us tonight for the third Montgomery County Thoroughtare Plan Public
Meeting at Magnolia High School, 14350 FM 1488 , Magnolia, TX 7735
From 6-8 p.m.

Montgomery County THOROUGHFARE PLAN

Montgomery County Thoroughfare Plan
 ithin the County, Thoroughtare planning is.

## Public Meetings Announcement

H-GAC PUBLIC MEETINGS


The Houston-Galveston Area Council invites the general public The Houston-Galveston Area Council invites the general pubic,
business owners, and local officials to attend a public meeting and provide comments.

US59/H-69 Congestion Mitigation Study
Public Meeting
Thursday, November 12, 2015
4:00 p.m. - $-7: 00$ p.m
Houston Galveston
Houston Gaveston
3555 Timmons
Ln.

| Houston, TX 77027 |
| :--- |
| Hap |

MAP
To learn more about the US 59/IH 69 Corridor Congestion Mitigation Study click HERE To learn more about the Montgomery Thoroughfare Plan click HERE. Submit your comments to PublicComments@h-gac.com.

## HEO

Houston-Galveston Area Council | w ww.h-gac.com

CWISION November 2015

| s issue | , |
| :---: | :---: |
| Transportation Policy Council October 23, 2015 | The TPC approved the 2015 Call for Projects 10 -Year Plan funding scenarios. The TIP Subcommittee met on October 1, 2015 and recommended two funding scenarios depending on the outcome of the Proposition 7 ballot initiative. The scoring/ranking information, project readiness and funding eligibility was considered in identifyying the timing of recommended funding in the FY 2016-2025 time frame. A summary of the recommended 10 -year plan scenarios can be found HERE. |
| an C |  |
| 2015-2018 TIP Major Amendments Public Meeting |  |
| Save the Date for the Next Fall Planning Workshop |  |
| Montgomery County horoughfare Plan Public Meetings | Draft Ten Year Plan <br> Candidate Projects |
| US 59/IH 69 Corridor Congestion Mitigation Study |  |
| Westchase District Pedestrian \& Bicycle Plan Public Meeting |  |
| Keeping Us Moving - Save the Date | \$3 Billion Requested (2015\$, w/o match |
| Fueling METRO from the Freedom CNG Station |  |
| EPA Ozone Standards Raised fo Public Health |  |
| Local Initiatives Projects (LIP) Funding Availability Presentation |  |
| H-GAC Announces <br> Marine/Construction Equipment <br> Grant Funding | A resolution was passed affirming the need for additional transportation funding for state highways in Texas and the eight-county HoustonGalveston region. On Nov. 3, 2015, Texans will vote on Proposition 7, a constitutional amendment to dedicate portions of revenue from the state's general sales and use tax as well as from the motor vehicle sales and rental tax to the State Highway Fund for non-tolled projects. This would dedicate $\$ 2.5$ billion per year of statewide sales tax and a percentage of portions of the statewide motor vehicle sales and rental tax to the State Highway Fund. |
| Funding Available for Electri Delivery Vehicles in Houston |  |
| Did You |  |
| H-GAC In The News <br> Join Our Mailing List! |  |
| Mark Your Calendar | TPC authorized the TPC Chair to correspond with Chairman John Thune, U.S. Senator, regarding Positive Train Control regulations in the Rail Safety Improvement Act of 2008. This is in response to a request for input regarding the implementation of Positive Train Control (PTC) systems and the potential consequences of the December 31, 2015 deadline. To read the letter, click HERE. |
| TAC - Wednesday, November 18, 2015, 9:30 a.m. |  |
| TPC - Friday, November 20, 2015, 9:30 a.m. | The revised US 290 Locally Preferred Alternative was approved by the TPC. Angela Stoddard P.E., (HNTB) presented an overview for the initial construction phase which includes one additional general purpose ane in each direction from I-610 to SH 6 while maintaining the one-lane reversible facility for HOV and toll vehicles in the center of US 290 from I-610 to the Grand Parkway. Improvements to make the facility safer and more efficient will include mainlane shoulders to accommodate vehicle emergencies. Once construction is completed, the intention is for |
| Clean Cities Webinar <br> Nednesday, November 4, 2015 <br> 12:00 p.m. - 1:00 p.m |  |
| 2015-2018 TIP Major Amendments Public Meeting Wednesday, November 4, 2015 |  |




At this half-day event, hear how communities are marketing themselves, engaging stakeholders, and quickly implementing on-the-ground projects to create a vibrant place to live, work, and play. Exper speakers will offer tips on knowing your
started, and promoting your community

Each year, H -GAC presents a fall planning workshop for local governments featuring presentations on
best planning practices for communities. There is no cost to attend this workshop, but space is limited. More information is available online.
Montgomery County Thoroughfare Plan Public Meetings
Montgomery County, the City of Conroe, H-GAC, and TXDO
have worked togetyer to develo a Thoroughare, Plan for have worked together to develop a Thoroughfare Plan for
Montgomery County. The proposed Plan is a long-range transportation planning tool that will guide the development of

Montgomery County for decades to come by identifying neede CONECTIONS | Montgomery County for decades to come by identifying needed |
| :--- | :--- | :--- |
| roadways and presenving future right-of-way. The draft |
| Thoroughtare Plan will be presented at four public meetings in | Thoroughfare Plan will be presented at four public meetings in Montgomery County.

The meetings will be held on
Tuesday, November 10, 2015
6:00 p.m. - 8:00 p.m. City of Conroe - Conroe Tower Conroe, TX 77301

```
Thursday, November 12, 2015
Thursday, Novembe
6:00 p.m. - \(8: 00\) p.m. Shenandoah Municipal Complex
\(29951-45\) North Shenandoah, TX 77381
```

Tuesday, November 17, 2015 Magnolia High Schoo
4350 FM 1488
For more information, visit www.montgomerycountymobility.com
US 59/H 69 Corridor Congestion Mritigation Study Public Meeting


A pubic meeting will be held to present the scope of the stuady effort, existing conditions, and preliminary draft
alternative concepts being considered for future GAC invites the general public, business owners and local ACM invites the general pubitic, business owners and local
officials to attend the public meeting on the US $59 / 1 / 169$
Coridor Congestion Mitigation Study Corridor Congestion Mitigation Study.

Thursday, November 12, 2015 4:00 p.m. $\mathrm{F}: \mathbf{0 0 0} \mathrm{pm.m}$.
Houston-Galveston
Houston-Galveston Area Council
3 T555 Timmons Lane, 2nd Floor, Rm B 3555 Timmons Lane
Houston, TX 77027
For more information visit the project website at: www.mysouthwestrreeway.con Westchase District Pedestrian \& Bicycle Plan Public Meeting The Westchase District invites you to attend their Pedestrian \& Bicycle Plan Kickoff how your input can be used to create a high-quality bike \& pedestrian environment thin the District. For more information visit www.westchasedistrict.con.
:30 p.m. - $7: 30$ p.m
HCC Campus
811 Hayes Rd.
2811 Hayes Rd.
Houston, TX 77082


## eeping Us Moving - Register Now

Mark Your Calendars for Keeping Us Moving: Grea
Places - More Choices
This half-day event offers a collaborative forum around
pics related to the Livable Centers and
edestrian/Biicyclist programs at H-GAC. The progran hies, former director of planning and deveelopment
iitiatives for the City of Indianapolis.
The workshop will also include two afternoon breakout sessions: Emerging Trends, highlighting technical anu poicicy considerations in ranspo
planning, funding, and H -GAC tools available.

Keeping Us Moving Workssop
Friday, November 13,2015
11:00 a.m. - 3:00 p.m.
Norris Conference Center - City Centre

Houston TX 77024
Registration for this event is $\$ 35$. Register HERE today.
Fueling METRO from the Freedom CNG Station


H-GAC Announces Marine/Construction Equipment Grant Funding
H-GAC has announced grant funding available for regional marine
vessel owners and regional construction equipment owners for the
tow/push boats, or heavy-duty construction equipment. The equipment must operate within the Houston-Galveston-Brazoria (HGB) non-
attainment area and requires the destruction of the replaced equipment. Applicants are expected to provide two years of data collection and reporting. Responsese to to the
EPA-certified enuipment.

More information regarding marine proict More information regarding marine projects
construction equipment is available $H E R E$


If you would like more information about the project, please visit montgomerycountymobility.com, or contact Carlene Mullins, 832-681-2585, carlene.mullins@h-gac.com or Thomas Gray, 832-681-2545, thomas.gray@hgac.com
Sincerely,
Alomb Clad
Alan Clark
Transportation Director

| Sent: To: | Monday, October 26, 2015 9:10 AM <br> kjones@ci.montgomery.tx.us; Ireed@ci.willis.tx.us; panoramacity@suddenlinkmail.com city@cutandshoot.org; mayor@cutandshoot.org; tkana@cityofmagnolia.com; office@stagecoachtx.us; mayor@cityofconroe.org; welchdorothylee@yahoo.com; mayor.parr@cityofromanforest.org; secretary@woodbranchtx.us; I.tarrant@pattonvillage.us |
| :---: | :---: |
| Subject: | Montgomery County Thoroughfare Plan November 2015 Public Meetings |
| Attachments: | Thoroughfare Notice_November 2015 Meetings.docx; Flyer_Mont TP.pdf; Eblast Graphic Mont TP.jpg |
| Please help us get the word out about the upcoming public meetings for the Montgomery County Thoroughfare Plan: |  |
| Tuesday, November 10, 2015 City of Conroe - Conroe Tower |  |
|  |  |
| 300 W. Davis, 6th floor, Conroe, TX 77301 |  |
| 6-8 p.m. |  |
| Thursday, November 12, 2015 |  |
| Shenandoah Municipal Complex <br> 29955 I-45 North, Shenandoah, TX 77381 |  |
|  |  |
| 6-8 p.m. |  |
| Tuesday, November 17, 2015 |  |
| Magnolia High School |  |
| 14350 FM 1488, Magnolia, TX 77354 |  |
| 6-8 p.m. |  |
| Thursday, November 19, 2015 |  |
| R.B. Tullis Library |  |
| 21569 US Hwy 59, New Caney, TX 77357 |  |
| 6-8 p.m. |  |
| I'm attaching fil distribution lists | ats for your use in postings and email distributions to your personal/professional assistance and please call me if you have any questions. | kjones@ci.montgomery.tx.us; Ireed@ci.willis.t...us; panoramacity@suddenlinkmail.con city@cutandshoot.org; mayor@cutandshoot.org; tkana@cityofmagnolia.com . pattonvillage.us

Montgomery County Thoroughfare Plan November 2015 Public Meetings
Thoroughfare Notice_November 2015 Meetings.docx; Flyer_Mont TP.pdf; Eblast Thoroughtare Notice_November 2015 Meetings.docx; Flye_Mont_TP.pdf; Eblat the uccoming

Tuesday, November 10,201
300 W. Davis, 6th floor, Conroe, TX 7730
6.8 pm

Thurscay, November 12,2015
29955 --4 North, Shenandoah, TX 7738

14350 FM 1488 , Magnolia TX 77354
6-8 p.m.
Thursday, November 19, 201

Im attaching files in muttiple formats for your use in postings and email distributions to your

| ent: | Monday, October 26, 20159.26 AM |
| :---: | :---: |
|  | John.bley@ @leylengineering.com; matthew.beasley@mctx.org; Richard.brown@txdot.org; scheiner@gcedc.org; johnholzwarth@cs.com; |
|  | johnson@cityofconroe.org; Catherine.mcreight@txdot.gov; mark.mooney@mctx. |
|  | charlie.riley@mctx.org; William.smith@mctx.org; twoolley@cityofconroe.org; james.fredricks@mctx.org |
| Subject: | Montgomery County Thoroughfare Plan November 2015 Public Meetings |
| Attachments: | Thoroughfare Notice_November 2015 Meetings.docx; Flyer_Mont TP.pdf; Ebla |
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Monday, October 26, $20159: 27$ AM panoramacity@suddenlinkmai.com; $m$ mathena@bleylengineering.con
priley@ci.ivilis.t.us; afrance@cityoftconroe.org; harper@conroe.org;
smuir@conreisd smuir@conroeisd.net; esmith@ci.montgomery.tx.us; wkotlan@ci.montgomery.tx.us jenega@encityoxes@msn.com; dibarra@cityofmagnolia.com; jsenegal@cityofmagnolia.com; asundquist@cityofmagnolia.com
president@magnoliaparkwaycc.org; susan@ @jpropertiestx.com;
pmendes@cityofmagnolia.com; jaw2cactus@aol.com; mayor@utandshoot.or
breed@splendoraisd.org; mayorricks@cityofromanforest.org; aneeeley@conroeeisd.net brede splendoraisd.org, mayorricksccityorifomanforest.org, aneeley@conroeisd.net; jgrant@newcaneyisd.org; iim.Clark@ mctx.org; ; ricee @newcaneyisd.org; gtaylor@newcaneyisd. org; brendon@ newcaneyisd.org; nyla.dalhaus@mctx.org. I.tarrant@ @attonvillage.us: lizize.com; tracy.willett@mctx.org; don.dean@mctx.org; mmalik@cityoftconroe.org; pvirgadamo@cityofconroe.org; staylor@cityofconroe.org; cbogert@cityofonnroe.org; mlittleton@ci.willis.tx.us dnorrell@thewoodlandstownship-tx.gov; MBass@thewoodlandstownship-tx.gov; nwolda@thewoodlandstownship-tx.gov; Jyates@ci.montgomery.tx.us: mike.beitter@mctx.org; : Itarrant@ @aattonvillage.us; secretary@woodbranchtx. $\mathbf{H}$ Pmende@@cityofmagnolia.com; hforestie@@ci.willis.t.x.us; priley@ci.i.willis.tx.us; panoramacity@uuddenlink.com; afrance@cityoffonroe.org Montgomery County Thoroughfare Plan November 2015 Public Meetings November 2015 Meetings.docx; Flyer_Mont TP.pdf; Eblast Graphic_Mont TP.jpg

Focus Group Attendees, we wanted to let you know about the upcoming public meetings for the Montgomery County Thoroughfare Plan.
Tuesday, November 10, 2015
City of Conroe - Conroe Tower
6-8 p.m.
Thursday, November 12, 2015 Shenandoah Municipal Complex
29955 1-45 North, Shenandoah, TX 77381
6-8 p.m.
Tuesday, November 17,20
Tuesday, November 17
14350 FM 1488, Magnolia, TX 77354
$6-8$ p.m.
Thursday, November 19, 2015
R.B. Tullis Library

21569 US Hwy 59 New Caney, TX 77357
$6-8$ p.m.

If you would like to share the meeting information, 'Ive attached files in multiple formats for your use in postings and email distributions to your personal/professional distribution lists. Thanks for your assistance and please call me if you have any
questions.
$\begin{array}{ll}\text { Sent: } & \text { Monday, October 26, } 2015 \\ \text { To: 12:01 PM }\end{array}$
Sent:
To:
Subject:
Subject:
Attachment
gmcc@magnoliatexas.org Mctegmagno iatexas.org
Montgomery County Thoroughfare Plan November 2015 Public Meeting Meetings.docx TP.jpg; Flyer_Mont TP.pdf; Thoroughfare Notice_November 2015

Amanda, we would like to engage your assistance in getting the word out to your members about an upcoming public meeting for the Montgomery County Thoroughfare Plan:
Tuesday, November 17, 2015
Tuesday, November 17,
Magnolia High School
14350 FM 1488, Magnolia, TX 7735
6-8 p.m.
If you would like to share the meeting information, 'ive attached files in multiple formats for your use in postings and email distributions to your personal/professional distribution lists. Thanks for your assistance and please call me if you have any questions

Sent:

## Tonday October 26.201510 .03 AN

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Tuesday, November 17, 2015
Magnolia High Schoo
4350 FM 1488, Magnolia, TX 77354
8 p .
you would like to share the meeting information, I've attached files in multiple formats for your use in postings and email istributions to your personal/professional distribution lists. Thanks for your assistance and please call me if you have any uestion

$\begin{array}{ll}\text { Sent: } & \text { Monday, October 26, 2015 9:53 AM } \\ \text { To: } & \text { matthews@gcedc.org }\end{array}$
Sent:
To:
Subject:
Subject:
Attachments: Montgomery County Thoroughfare Plan November 2015 Public Meeting Thoroughtare Notice
Graphic_Mont P.jpg

Jennifer, we would like to engage your assistance in getting the word out to your members about an upcoming public meeting for the Montgomery County Thoroughfare Plan:
Tuesday, November 10, 2015
300 W. Davis, 6th floor, Conroe, TX 7730
6-8 p.m.
If you would like to share the meeting information, 'vee attached files in multiple formats for your use in postings and email distributions to your personal/professional distribution lists. Thanks for your assistance and please call me if you have any questions.

Sent:
To:
Subject:
Attachment Attachments:

Monday, October 26, 2015 9:50 AM
president@magnoliaparkwayc..org
Montgomery County Thoroughfare Plan November 2015 Public Meetings Thoroughfare Notice_November 2015 Meetings.docx; Flyer_Mont TP.pdff; Eblast
Graphic_Mont TP.jpg Graphic_Mont TP.jpg

Kelly, we would like to engage your assistance in getting the word out to your members about an upcoming public meeting for the Montgomery County Thoroughfare Plan:

Tuesday, November 10, 2015
300 W. Davis, 6th floor, Conroe, TX 7730
6 -8 p.m.
Thursday, November 12, 2015
Shenandoah Municipal Complex
29955 1-45 North, Shenandoah, TX 7738
6-8 p.m.
Tuesday, November 17, 2015
Magnolia High School
14350 FM 1488, Magnolia, TX 7735
6-8 p.m.
Thursday, November 19, 2015
R.B. Tulis

21569 US Hwy 59, New Caney, TX 77357
6-8 p.m.
Please post this information on your community calendar. We would also like to pay the $\$ 50$ fee to send an e-blast to your members. I'm attaching files in multiple formats. If you call or email me, I will complete the payment arrangements,


Social Media Postings

```
City of Roman Forest
The general public, business owners and elected officials are invited
Sttend a public meeting on the proposed Montgomery County
County.
\begin{tabular}{|c|c|}
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\hline & tom \\
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& \text { Conroe, TX } 77301 \\
& 6.8 \text { p.m. }
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\hline mo & mund \\
\hline mane &  \\
\hline  & \({ }^{6} .88 \mathrm{pm}\). \\
\hline The proposed plan intends to improve roadway
capacity and connectivity throughout the
county. & Nixas. \\
\hline
\end{tabular}
``` udge Craig Doyal
We encourage the public to attend these meetings
Montgomery County schedules public meeting on thoroughfare plan
Montomener County official are hosting a series of public meetings on a
proposed Montuomen County Thoroughtrae Plan thatis designed to suide roa developmention he ture.

Mike Eass, The Woodlands Township
oard, Director
Notice of Public Meeting
Notice of Pubicic Meeting
Montgomery County Thoroughtare Plan
The general public. business owners and elected officials are invited to
attend a public meeting on the proposed Montgomery County
Thoroughtare Plan. There will be four meetings within Montgome
\({ }_{6}^{\text {Tuesdaz. }}\)
\begin{tabular}{l} 
City of Conroe - Conroe Tower \\
300 W Davis , th floor \\
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\end{tabular}
Tuestay Noer ber 17.2015
6-8 p.m.
Magnolia High School
14350 FM 1488 . Magn
4350 FM 1488, Magnolia, TX 7735
\(6-8\) p.m.
city of Shenandoal
I-45 North, Shenandoan, TX 77381
nursday. November 19, 2015
-8 p.m.
R.B. Tullis Library

Montgomery County, the City of Conroe, the Houston-Galveston Area Council ( \((H-G A C)\) and the Texas Department of Transportation (TxDO have worked together to develop a Thoroughtare Plan for Montgomery
County. The proposed Plan is a long-range transportation planning tool hat will guide the development of Montgomery County for decades to come by identitying needed roadways and preserving future right-of-way fhroughout the county.
For more information, visit montgomerycountymobility. com
The meeting will consist 0 a an open house beginning at \(6: 00\)
The meeting will consist of an open house beginning at \(6: 00\) p.m. Engis and Spanish speakers will be available to gather input and answer (easonable accommodations for persons attending H-GAC functions. Requests from persons needing special accommodations should be Inguage interpreters or orther speciail communication needs should made at least two working days prior to a function. Please call 713 -9932471 for assistance.

Kix Kevin williams
Neighbors in The Wooclands: Please attend one of these meetings! The general pubic, business owners and delected officials are invited to attend a pubic meeting on the proposed Montigomery County
Thoroughtare Plan. Three meetings will be held in inear The Woodlands
Tuesday, November 10, 2015
city of Conroe - Conroe Tower
300 W. Davis, 6 th fioor, Conroe, TX 7730
300 W . Davis. 6 th
6:00 \(-8: 00 \mathrm{p} . \mathrm{m}\).

29955 - -45 North, Shenandoan, TX 7738
6:00- 8:00 p.m.
Tuestay, November 17, 2015
Magnolia High School
\begin{tabular}{l} 
14350 FM 1488, Magnolia, TX 77354 \\
\hline
\end{tabular}
6:00-8:00 p.m.
Montgomery County Thoroughfare Plan Public
Meetings - Houston-Galveston Area Council (H-GAC)
 H-Gac. сом
Like 1 Comment 1 Share
\(\mathcal{M e}^{-}\)Greater Magnolia Chamber of Commerce Like Page \(\mathcal{M}^{*} \Theta\)
Public Meeting - Montgomen County Thoroughfare Plan @ Magnolia


Public Meeting - Montgonery County Thoroughfare Plan @ Magnolia Hish School - \(11 / 17\) Public Meting - Montgomen County Thoroughtare Plan @ Magnolia High School-11/h
F. Millie Ivette r Rayford Road Round Up Spring, Texas

November 10 a \begin{tabular}{l}
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\end{tabular}
ATTENTION
The Houston-G
The Houston-Gaveston Area Council will be hosting 4 public meetings to discuss the MONTGOMERY COUNTY THOROUGHFARE PLAN. Ify ou
live in Montgomery County here's your chance to get inomed and
prev in Monitgomery County, here's your chance to get informed and
Public meeting dates are
Tuesday, November 10,2015
300 W. Davis, 6th floor, Conroe, TX 77301
6-8 p.m.
Thursday. November 12, 2015
Shenandooah Municicial Complex
29555-45 Nortin, Shenandoan, TX 77381
\({ }^{6-8}\) p.m.
Tuesday, November 17, 2015
Magnolia High School
14350 FM 148, Magnolia, TX 7735 ,
6-8 p.m.
Thursday. November 19.2015
R.B. Tullis Library
21569 US 59 , New Caney, TX 773 .

6-8 p.m.
C. Candi Ingram Johnson \(\sim\) Magnolia Deals and News
reeting Montomen co
Public Meeting - Montgomery County Thoroughtare Plan
Late. Tuestay. No vir 6.00 PIM
Address: 14350 FM 144
Magnolia. TX 77354

\begin{tabular}{l} 
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ovember 12 at1 \(1: 5 \mathrm{5am}\) - \\
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\end{tabular}
The Houston-Galveston Area Council invites the general public, business
owners, and local officials to attend a public meeting and provide comments.
US59IH-69 Congestion Mitigation Study Public Meeting
Thursday, November 12, 2015
4:00 p.m. - 7:00 p.m. \({ }^{2}\)
Houston Galveston Area Council
3555 Timmons Ln.
Houston. TX 77027
Montgomery County Thoroughtare Plan
Thursday. November 12,2015
6:00 p.m. - 8:00 p.m.
Shenandoah Municilin
29955-45 North
29955 1-45 North
Shenandoan. TX 77381
Submit your comments to PublicComments@n-gac.com.
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KSTAR News.
Jugge Doyal Announces?
Thoroughiare Plan:thes nextmetmetingis s onight in Shemenandoan
Couny Jugge Crig Dovalis inviting the public to ottend a series of pubic

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The general public, business owners and elected offcials are invited to
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Couny:

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1. Claire Kole Harris - Oak Ridge North Community Bulletin Board


Public Meetings on Montgomery County Thoroughfare Plan
The general public, business owners and elected officials are invited to attend hontcomerycountrmosiltr.col

\section*{1 hr - -1 \\ PUBLICMEETING: A Montgomery County Thoroughtare Plan public} meeting will be held tonight from \(6-8\) p.m. at Magnolia High School.

Public Meeting Announcement

Notice of PUBLIC
METING
Montgomery Country, the City of Conroe, the
Houston-Galveston Area Council H-GAC) Houston-Galveston Area Council ( \(H\)-GAC
and the Texas Department of Transportatio (TxDOT) have worked together to develop a
Thoroughtare Plan for Montgomery County.
The proposed Plan is a long-range transportatio
The proposed Plan is a long-range transportation
planning tool that will guide the development of Montsomery County tor decades to come by identifying needed roadways and presenvin
tuture right-ot-way.
The proposed plan intends to improve roadwa
capacity and connectivity throughout the capacity a
county.

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Thursday, November 12,201
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Tuesday, November 17, 2015
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Magnolia, TX 77354 \(\underset{b-8 \text {..m. }}{\substack{\text { Magnolia }}}\)
Thursday, November 19, 2015 \({ }_{21569}\) US Hwy 59 21569 US Hwy 59
New Caney, TX 77357 New Caner
\(6-8\) p.m.
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house beagning o of \(6: 00\)..m.


        For more information, visit
montgomerycountymobily.com

Be Sure to...
Like us on Facebook \(\boldsymbol{\|}\) Follow us on tuilter

Tuesday, November 24, 2015 3:07 PM
Judge Doyal: turnout at public meetings showed county residents want mobility

FROM THE OFFIGE OF MONTGOMERY COUNTY JUDGE CRAIG DOYAL

\section*{Media Contact}

Jim Fredricks
Chief of Staff
Office of County Judge Craig Doyal
\(1-936-593-7812\)
iames.fredricks@mctx.org

Judge Doyal: turnout at public meetings showed county residents want mobility


FOR IMMEDATE RELEASE
ONROE, TX. Nov. 24, 2015
County Judge Craig Doyal said the recently concluded series of public meetings on he county's proposed update of its Thoroughfare Plan was a success, with nearly 200 Montgomery County residents attending the meetings and and providing input on

Our thoroughfare plan, which has been in place for the last 30 years, was recently pdated in cooperation with the Houston Galveston Area Council, and is designed to help guide our road development for the next 50 years. For that, we needed the
public's help to review those plans and offer their comments, " Judge Doyal said.
"Fortunately, Montgomery County showed it takes mobility seriously, with good 'Fortunately, Montgomery County showed it takes mob
attendance at most of the meetings, Judge Doyal said.
Carlene Mullins, Senior Transportation Planner with H-GAC, said the attendance was higher at the Montgomery County meetings than for many other public meetings H GAC has conducted for other studies in the region.
"We thought it was a really good turnout," she said. "About 200 people attended in otal between the four meetings and thus far we have received 78 comments. The meetings in Shenandoah and Magnolia were most highly attended." Public meetings also were held in Conroe and New Caney
For those who missed the meetings, H-GAC will continue taking comments on the plan through Dec. 4, Mullins said. Comments can be submitted at montgomerycountymobility.com The final Thoroughfare Plan map is planned to be

On
On the Web site, Mullins said, "They can view the map, the handouts and the presentation boards that were at the public meetings

As for the meetings themselves, public comments were strong on a couple of projects
in particular, a proposed extension of Old Conroe Road, and a proposed extension of Tamina/Honea-Egypt.

A lot of people commented on the Old Conroe Road extension - they wanted yesterday," Mullins said

However, there was significant opposition to the Tamina/Honea-Egypt extension ecause of the disruption it would cause to existing neighborhoods; planners took lose comments into consideration and will remove the extension from the proposed
he Thoroughfare Plan was updated in partnership with the Houston Galveston Area Council. Judge Doyal has served as past Chairman of the H-GAC Board of Directors and the county representative to the Transportation Policy Council
The county has been working with H-GAC for over 30 years on its Thoroughfare Plan which was first created in 1979, and was updated in 1985, 1998, and 2012. This effor a 0,000 toward the work; the city of Conroe and the Texas Department of ransportation also are participating
In addition, the county recently partnered with H -GAC on a south Montgomery County In adaition, the county recentiy partnered with h-GAC on a s
Mobility stuyd to analyze priorities for this fast-growing area.
The thoroughfare study analyzed available data on travel activity in the county, congestion, accident data, and county growth trends to begin developing a picture of he county's transportation needs. The study team also met with various community groups to further refine that information and gather comments to guide its work.
The proposed Plan is a long-range transportation planning tool that will guide the development of Montgomery County for decades to come by identifying needed oadways and preserving future right-of-way. The proposed plan intends to improve oadway capacity and connectivity throughout the county.
or more information, visit montgomerycountymobility.com.

Monday, November 16, 2015 4:01 PM
Jdge Doyal: Public encouraged to attend public meetings on Thoroughfare Plan; nex meeting tonight!
\#\#
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\section*{Forward this email}

Wastelurubuschbe

"Constant contact
tyh mere tod
he Frearicks Group 822 Stone Mountain Dr. Conroe TX TX 77302

\section*{Media Contact:}

Jim Fredricks
Office of County Judge Craig Doyal
james.fredricks@mctx.org
Judge Doyal: public invited to attend remaining three meetings on county thoroughfare plan

Next public meeting scheduled tonight in city of Shenandoah

FOR IMMEDIATE RELEASE
The county's proposed updated Thoroughfare Plan was unveiled Tuesday at a public meeting, and County Judge Craig Doyal is inviting the public to attend one of the remaining series of meetings on the plan that is designed to guide road development
for the future.
"With Montgomery County now known as the 7 th-fastest growing county in the nation it is vitally ymportant that we
needs," Judge Doyal said.
The thoroughfare plan was produced in partnership with the Houston Galveston Area Council. Judge Doyal has served as past Chairman of the Houston Galveston Area council and the county representative to the Transportation Policy Counci.
The county has been working with H-GAC for over 30 years on its Montgomery County Thoroughfare Plan, a document intended to assist the county in planning
roadways and identifying the rights of way that must be secured. The first oroughfare plan was created in 1979, and was updated in 1985, 1998, and 2012. This is a comprehensive
\(\$ 50,000\) toward the work.
addition, the county partnered with H-GAC on a south Montgomery County Mobility In addition, the county partnered with \(\mathrm{H}-\mathrm{GAC}\) on a s.
study to analyze priorities for this fast-growing area.

The thoroughfare study analyzed available data on travel activity in the county,
congestion accident data and county growth trends to begin developing a pic congestion, accident data, and county growth trends to begin developing a picture of the county's transportation needs. The consultants also met with various commun
groups to further refine that information and gather comments to guide its work.
The general public, business owners and elected officials are invited to attend a public meeting on the proposed Montgomery County Thoroughfare Plan. There will be our meetings within Moongomery County; one was held Tuesday, Nov. 10. The remaining are

Thursday
City of Shenandoah
\({ }^{6-8}\) p.m.
Magnolia High School
14350 FM 1488 , Magnolia, TX 77354
Thursday, November 19, 2015
6-8p.m.
\({ }^{2} 1569\) US 59, New Caney, TX 77357

According to a press release from H-GAC, Montgomery County, the City of Conro e Houston-Galveston A Montgomery County. The proposed Plan is a long-range transportation planning too at will guide the development of Montgomery County for decades to come by entiffying needed roadways and preserving future right-of-way. The proposed plan intends to improve roadway capacity and connectivity throughout the county. For more information, visit montgomerycountymobility.com
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The meeting will consist of an open house beginning at 6:00 p.m. English and
is handicapped accessible. H-GAC will provide for reasonable accommodations for
persons attending H-GAC functions.Requests from persons needing special
Requests for language interpreters or ther special communication needs should be
assistance
rrom: Montgomery County Judge Craig Doval [mailto:iames.fredricks@mctx.org)
Sent: Tuesday, October 27, 2015 9:02 AM
Subject: Judge Doyal Announces Public Meetings for Montgomery County Thoroughfare Pla

FROM THE OFFICE OF MONTGOMERY COUNTY JUDGE CRAIG DOYAL

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Media Contact:
    Mim Fedricks
    Chief of Staff
Office of County Judge Craig Doya
ames.fredricks@mctx.org
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Judge Doyal Announces Public Meetings for Montgomery County Thoroughfare Plan

FOR IMMEDIATE RELEASE
CONROE, TX. OCT. 27, 2015
County Judge Craig Doyal is inviting the public to attend a series of public meeting on a proposed Montgomery County Thoroughfare Plan that is designed to guide on a propoled Montgomery Col
road development for the future.
"With Montgomery County now known as the 7 th fostest rowing con nation, it is vitally important that we do all we can to plan for our current and future mobility needs," Judge Doyal said.
The thoroughfare plan was produced in partnership with the Houston Galvesto Area Councii Judge Doyal has served as past Chairman of the Houston Galvestor

Area Council and the county representative to the Transportation Policy Council.
he county has been working with H -GAC for over 30 years on its Montgomery County Thoroughfare Plan, a document intended to assist the county in plan roadways and identifying the rights of way that must be secured. The first horoughfare plan was created in 1979, and was updated in 1985, 1998, and 2012. this is a comprehensive revision and update of those plans. The county contributed $\$ 50,000$ toward the work.
addition, the county partnered with H-GAC on a south Montsomery County Mobility study to analyze priorities for this fast-growing area.

The thoroughfare study analyzed available data on travel activity in the county ongestion, accident data, and county growth rends to begin developing a pict fhe county's transportation needs. The consultants also met with various is work.

The general public, business owners and elected officials are invited to attend保 be four meetings within Montgomery County:

## Tuesd $6-8$ p.m

City of Conroe - Conroe Tower
300 W. Davis, 6 th floor, Conroe, TX 77301
Thursday
$6-8$ p.m.
$6-8$ p.m. N
City of Shenandoah
29955 I-45 North. S
City off Shenandoah
29955 I-45 North, Shenandoah, TX 77381
Tuesday
$6-8$ p.m.
Magnolia High Schoo
14350 FM 1488, Magnolia, TX 77354
hursday, November 19, 2015
R.B. Tullis

21569 US 59, New Caney, TX 77357

According to a press release from H-GAC, Montgomery County, the City of Conroe he Houston-Galveston Area Council (H-GAC) and the Texas Department of the Houston-Galveston Area Council (H-GAC) and the Texas Department of
Transportation (TXDOT) have worked together to develop the Thoroughare Plan Tror Montgomery County. The proposed Plan is a long-range transportation planning tool that will guide the development of Montgomery County for decades to come by dentifying needed roadways and preserving future right-of-way. The proposed
plan intends to improve roadway capacity and connectivity throughout the county par intend information, visit montgomerycountymobility.com
For more

The meeting will consist of an open house beginning at 6:00 p.m. English and Spanish speakers will be available to gather input and answer question
facility is handicapped accessible. H-GAC will provide for reasonable accommodations for persons attending H-GAC functions. Requests fi needing special accommodations should be received by H-GAC staff 24 hours prior to a function. Requests for language interpreters or other special communication

713-993-2471 for assistance.
[
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The Fredricks Group | 822 Stone Mountain Dr. | Conroe |TX | 7730

From: Montgomery County Judge Craig Doyal [mailto:james.fredricks@mctx.org]
Sent: Thursday, october 22, 2015 9:19 AM
Subject: Montgomery County launches interactive map for Nov. 3 Road Bond


FROM THE OFFICE OF MONTGOMERY COUNTY JUDGE CRAIG DOYAL

## Montgomery County launches informative Web site for citizens on 2015 Road Bond <br> Early voting started Oct. 19; Election Day is Nov. 3

Oct. 21, 2015 --
FOR IMMEDATE RELEASE] Montgomery County Judge Craig Doyal announced the county has launched a Web
site and new interactive map of proposed proiects to help inform citizens about the

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Constant Contact
Office of Mortgomery Country Judge Craiq Doyal 501 N . Thompson, Suite 401 Conroe $\mid$ TX $\mid 7730$

## Sign-in Sheets

MONTGOMERY COUNTY THOROUGHFARE PLAN 2016


| COLNNECTIONS <br>  <br> DATE: Tuesday, November 10, 2015 | PUBLIC MEETING Montgomery County Thoroughfare Pla City of Conroe - Conroe Tower300 West Davis Street, Conroe, Texas 77301 |  | pro <br> TIME: 6:00 P.M. | DATE: Tuesday, November 10, 2015 | PUBLIC MEETING <br> Montgomery County Thoroughfare Plan City of Conroe - Conroe Tower 300 West Davis Street, Conroe, Texas 77301 |  | pro <br> TIME: 6:00 P.M |
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MNNECTIONS
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| + R $^{1}$ | $\square$ | city of willis | 77378 | prileyeci. wills.t.t. us |
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|  | PUBLIC MEETING Montgomery County Thoroughtare Plan <br>  |  | Pato |  | public meeting Montgomery County Thoroughare Plan Shenandoah Municipal Complex 29955 - -45 North, Shenandoaab, Texas 77381 |  | $+20$ |
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|  | PUBLIC MEETING <br> Montgomery County Thoroughfare Plan Magnolia High School 14350 FM 1488, Magnolia, TX 77354 |  | pro |
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| DATE: Tuesdav, November 17, 2015 |  |  | TIME: 6:00 P.M. |
| NAME (Checkifliceted Official) $\triangle$ | AGENCY/Companyresident or | ZPPCODE | emall |
| Patrician Mohox | MAGNOLI A | 77354 | tmmohon@yal |
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| Don durgin | Houston |  | Don. Durgincklotz. com |
| liza uinkler | Community Inracsioper |  | luinkler@-comminity imact |
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| DATE: Tuesday, November 17, 2015 | PUBLIC MEETIN <br> Montgomery County Thoroughfa 14350 FM 1488, Magnolia, TX |  | PHO <br> TIME: 6:00 P.M. | COLNNECTIONS <br>  DATE: Tuesday, November 17, 2015 | PUBLIC MEETIN <br> Montgomery County Thorough Magnolia High School 14350 FM 1488, Magnolia, T $\qquad$ | G fare Plan 77354 | TIME: 6:00 P.M |
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| $\begin{gathered} \text { CONNECTIONS } \\ \substack{\text { Montocomy County } \\ \text { THOROOUHHARERE LAN }} \end{gathered}$ | PUBLIC MEETING <br> Montgomery County Thoroughfare Plan R. B. Tullis Library 21569 I-69 North, New Caney, Texas 77357 |  | $450$ |
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| DATE: Thursday, November 19,2015 TIME: 6:00 P.M. |  |  |
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| Jim CLank $\quad$ | Commissionar PLT 4 | 77302 |  |
| DavidMBerk a | Pct 7 | 77306 | - |
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| Senese Bue | Splendora ISp | 77372 | gbell@splandoraisa. |
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| Jon Unterreiner $\quad$ - | New Canex | 77357 | Tsue Jonesater.com |


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| DATE: Thursday, November 19, 2015 |  |  | TIME: 6:00 P.M. |
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| DATE: Thursdav, November 19, 2015 |  |  | TIME: 6:00 P.M. |
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CONNECTIONS Montgomery County, the City of Conroe, the Houston-Galveston Area Council (H-GAC) and the Texas Department of Transportation (TXDOT) have worked together to develop a Thoroughfare Plan for | Montgomery County |  |
| :--- | :--- |
| THOROUGHFARE PLAN | $\begin{array}{l}\text { (TxDOT) have worke } \\ \text { Montgomery County, }\end{array}$ |

## vision statement

amery County Thoroughfar Plan (MCTP) is to establish guidelines and policies o develop a safe, well-connected and efficient countywide transportation system that provides
adequate mobility for people, goods and services adequate mobility for people, goods and services
ad promotes orderly growth and redevelopmen throughout the county.

Guiding Principles

- Preserve rights-of-way

Countywide design standards

- Develop transportation system

Collaborate with the development community

## What is a Thoroughfare Plan?

- Long-range ( $50+$ years) planning tool
- Identifies the generall location of future roadways
- Preserves future road right-of-w
- Provides the public and developers with information about the long term plan for the road network
Promotes regional roadway connectivity and Promotes regional

A Major Thoroughfare Plan is Not

- A lis of construction projects
- Detailed engineering study showing the exac
- Survey, design, or any activity leading to
- Survey, design,
- Funding mechanism or guaranteed funding
- Sefting project priorities or timeframes for when a
project should be completed
enefits of a Thoroughtare Plan
- Provides for orderly development
- Reduces travel and dransportation costs
- Enables private interests to plan their ovements
mprovements, and development with full
knowledge of public intent
- Reduces environmental impacts

Public comment period ends December 4, 2015!



## WELCOME <br> CONNECTIONS



Montgomery County Thoroughfare Plan Public Meeting


November 2015

## VISION STATEMENT

CONNECTIONS

The vision of the Montgomery County Thoroughfare Plan (MCTP) is to establish guidelines and policies to develop a safe, well-connected and efficient countywide transportation system that provides adequate mobility for people, goods and services and promotes orderly growth and redevelopment throughout the county.

## Guiding Principles:

- Preserve rights-of-way
- Countywide design standards
- Coordinate and optimize investments
- Develop Transportation system
- Collaborate with the development community


## WHAT IS IT?

CONNECTIONS

## A Thoroughfare Plan is:

- Long Range Plan (50+ years)
- Transportation Planning Tool
- Identifies the type and general location of future roadways
- Preserves transportation corridors (i.e. right-of-way)
- Guides future development
- Provides the public with information about the long-term plan for the road network
- Promotes regional roadway connectivity
- Promotes regional roadway design uniformity


## WHAT IS IT NOT commerows

## A Thoroughfare Plan is NOT:

- List of construction projects
- Detailed engineering study showing the exact alignments of roadways
- Survey, design or any other activity leading to construction
- Funding mechanism or guarantee
- Set timeframe for when a project should be complete
- Promise to build roads



## BENEFITS

## CONNECTIONS

## Benefits of a thoroughfare plan:

- Provides for orderly and predictable development
- Reduces travel and transportation costs
- Minimizes disruption to homes and businesses
- Reduces the costs of major street improvements
- Enables private interests to plan actions, improvements, and development with full knowledge of public intent
- Reduces environmental impacts of road construction



## PLAN DEVELOPMENT

CONNECTIONS

## The MCTP was developed from a variety of sources, including:

- Previous County thoroughfare plans
- Current city thoroughfare plans
- An inventory of current traffic congestion
- An inventory of existing and planned traffic generators
- Employment centers
- Large developments
- Recreational areas, etc.
- An inventory of existing manmade and natural barriers
- The South County Mobility Plan
- Input from focus groups
- Input from elected officials


## PREVIOUS PLANS Colmecrows



The first Montgomery County Thoroughfare Plan was adopted in 1979 with an update in 1985. As can be seen, many of the corridor concepts from the original plans have been carried forward to the proposed plan.

## CURRENT PLANS

CONNECTIONS


## Existing Thoroughfare Plans



Montgomery County's existing thoroughfare plan and the current thoroughfare plans for the City of Conroe and the City of Houston are shown above. Although much of Montgomery County is currently unincorporated, significant portions of the county are located within the Extra-Territorial Jurisdiction (ETJ) of the Cities of Houston and Conroe. This gives these cities the authority to coordinate development outside of their city limits.

## TRAFFIC CONGESTION



As Montgomery County continues to add people, homes and jobs, traffic congestion continues to grow. Congestion can be mitigated by improving existing roadways as well as creating new roadway connections. The proposed Montgomery County Thoroughfare Plan was designed with these areas of congestion in mind.

## TRAFFIC GENERATORS

CONNECTIONS



A well-designed thoroughfare plan takes into account the existing and future major traffic generators. This includes large employment centers, recreational areas and master-planned residential developments. Major trip generators include The Woodlands Town Center/Hughes Landing, Springwoods Village and Lake Conroe, as well as planned developments such as the Grand Texas Theme Park, Grand Central Park near Conroe and Valley Ranch near Porter.

BARRIERS


The Thoroughfare Plan is designed to avoid existing barriers (natural and man-made) and create as little disruption to the existing environment as possible. Major man-made barriers include railroads, freeways (I-45 and I-69/US-59), golf courses and cemeteries. Natural barriers include bodies of water such as Lake Conroe, the San Jacinto River, Lake Creek and Caney Creek. However, some conflicts may be unavoidable. For example, over $21 \%$ of Montgomery County is in a floodway or 100-year floodplain, which means that bridges may be required to connect some roadways.

## ROADWAY DESIGN

CONNECTIONS

Typical Roadway Sections


In addition to a map showing the general location and type of roadways, the MCTP also prescribes a set of standard design criteria for these roadways, based on the amount of traffic that is expected to carry as well as the character of the area they serve (urban or rural). These standard criteria include roadway width, number of lanes, median and driveway spacing and design speed. They are only meant as a guide; the actual design of a given roadway will be determined during the engineering phase, taking into account conditions unique to the area it serves.


The above map is the MCTP draft. The proposed road corridors are general locations only and are subject to modification.

Copies of this map are located on the tables for you to review. Please provide input by filling out the comment cards, also on the tables.

## NEXT STEPS

- Receive and review public comments (Comment period ends Dec. 4, 2015)
- Present the proposed Plan to Montgomery County Commissioners Court
- County adopts Plan
- Plan updated every 5 years


For Additional Information: MontgomeryCountyMobilility.com

Thank you for participating!


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| wow |  |  |
| Grenemees |  | 11 The draft map shows Aldine Westfield extension including Lexington－the 3rd street in Dogwood Forest 2 mi east of 45 off 242 ．The street is narrow－there are ditches on both sides and the fr |
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| cosem | memenjuemomem | I totally disagree with extending Tamina Rd due north of FM 1488 ．The extension would require the purchase of property on FM 1488 and would require purchasing many homes in $1-3$ subd more realistic approach would be to widen Honea Egypt to a point north of Cimarron Country subdivision then bend west to intercept the proposed extension of Tamina south of Lake Creek |
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|  |  | 13 Would Superior and Honea（Fish Creek）be adequate such that the Tamina extension would not be needed？ 14 The extension of Tamina through 2 neighborhoods seems a strange choice．The proposed thoroughfare would thoroughfare would alleviate the traffic that Tamina proposes to alleviate．The money would be better used it |
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Comments
Name: Wayne Gardiner Email: lacerdagardiner © AOL.com Do you have comments or questions regarding the
information presented at tonight's meeting? (Include the dot number in the comment.)
See athached pomm poind
c3 832-350-3519

## 190



Discussion points:

- Location map
- Population Growth
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- Floodplain Managemen




MONTGOMERY COUNTY THOROUGHFARE PLAN 2016

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\begin{aligned}
& \text { Conclusion: Sawmill-Holzwarth Connection } \\
& \text { - The growing population in southern Montgomery } \\
& \text { Co. needs improved mobility } \\
& \text { - There is no N/S roads across Spring Creek } \\
& \text { between Gosling and I-45 (a } 6 \text { mile gap in access) } \\
& \text { - The Sawmill-Holzwarth connection will act as } \\
& \text { pressure release to relieve congestion at Rayford- } \\
& \text { Sawdust @ l-45 intersection } \\
& \text { - Environmental issues across Spring Creek need } \\
& \text { study to minimize impact of construction }
\end{aligned}
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11 / 10 / 2015
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* INCREASED CRIME RATE
Thereare atternatives that give an
overall better solution moving traffic
threugh the area than this small but
impact ful proposed thoroughfare.

MONTGOMERY COUNTY THOROUGHFARE PLAN 2016




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 Comments


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a good proposal.


$$
\begin{gathered}
\text { MAGNOLAA INDEPENDENT SCHOOL DISTRICT } \\
\text { P.O. Box 888 } \\
\text { Magnolia, TX 77353 } \\
\text { P 281.252.2221 } \\
\text { F 281.252.223 } \\
\text { www.magnoliaisd.org }
\end{gathered}
$$

## To whom it may concern:

The Magnolia Independent School District would like to propose the following changes to our roadways in hopes to provide more options to Montgomery County drivers, MISD School buses and help alleviate traffic congestion for everyone.
Widen the following roads to four lanes:
FM 1488 from FM149 to County line (Just East of Joseph R
FM 1774 from Lakes of Magnolia to FM 1774/FM 149
FM 149 from FM 1774 to Jackson Rd.
Hardin Store Rd from Hwy 249 to FM 2978 (Replace 4 way stop with stop light)
FM 2978 from Harris County line to FM 1488 \& North of FM 1488 (Egypt Community to S. Trace
Build the following roads:
East/West road connecting FM 1486 to FM 149 at Jackson R
Extend Nichols Sawmill East to connect with Melton
East/West road connecting FM 1774 to FM 149 (i.e. Extending Friendship Dr. to Just South of Wildwood Trace

Green Tree Forest with Little Thom Ln
Connect Flower Mound (Decker Woods) with Decker Hills
Extend Woodlands Parkway West to Hwy 249
Respectfully,
oe Dives IV
Director of Transportation
Magnolia ISD
past President - GCAPT
Transportation Official \#1035














HAOC


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2016 MONTGOMERY COUNTY THOROUGHFARE PLAN CORRIDOR INFORMATION

| THOROUGHFARE PLANS |  |  |  | CORRIDOR | FROM | T0 | FUNCTIONAL CLASSIFICATION | EXISTING LANES | PROP. NUM. LANES | PROP. ROW (MIN.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1979 | 1985 | 1998 | 2012 |  |  |  |  |  |  |  |
|  |  |  |  | Airport | League Line | N 10th Street | C | 2 | 2-4 | 80 |
|  |  |  |  | N 10th Street | Airport | SH 105 | C | 2 | 2-4 | 80 |
|  |  |  |  | Alden Bridge | FM 2978 | Cochrans Crossing | C | 2 | 2-4 | 80 |
| x |  | x | x | Aldine Westfield/Kidd | Gladstell | Grand Parkway | T | 0-4 | 4-6 | 100 |
|  |  |  |  | Alexander Lane | Porter | Russell Rd | C | 2 | 2-4 | 80 |
|  |  |  |  | Anderson | Gosling/Peoples | Old Magnolia | C | 2 | 2-4 | 80 |
|  |  |  |  | Arrowhead/DryCreek/Pickering | Jefferson Chemical | SH 242 | T | 2 | 4-6 | 100 |
|  |  |  |  | Atkinson Lane | St. Lukes Dr | Vision Park | C | 0 | 2-4 | 80 |
|  |  |  |  | Baldwin | Red Bull | IH 69/US 59 | C | 2 | 2-4 | 80 |
|  |  |  | $x$ | Baptist Encampment | Roman Forest | N. Lake Houston Pkwy | C | 2 | 2-4 | 80 |
|  |  |  | x | Bauer | Roberts Cemetery | Harris County Line | T | 2 | 4-6 | 100 |
|  |  |  | x | Birnham Woods | Robinson Road | Birnamwood Blvd (Harris County) | MT | 0-2 | 4-8 | 120 |
|  |  |  |  | Blackland Rd/Mt. Zion | FM 238/Walker County Line | Mt. Zion Road/New Road 42 | T | 2 | 4-6 | 100 |
|  |  |  |  | Branch Crossing/W. Branch Crossing | Research Forest | Woodlands Parkway | C | 2 | 2-4 | 80 |
|  |  |  |  | Budde | Sawdust | IH 45 | C | 2 | 2-4 | 80 |
|  |  |  |  | Buddy Riley | FM 1774 | FM 1488 | C | 2 | 2-4 | 80 |
|  |  |  | $\times$ | Buffalo Springs Dr | FM 149 | Roman Hills Blvd | C | 2 | 2-4 | 80 |
|  | x |  | $\times$ | Butera/Decker Prarie Rd | Nichols Sawmill - N/S | SH 249 | T | 2 | 4-6 | 100 |
|  |  |  |  | Calvary | FM 234 | Calvary | C | 4 | 2-4 | 80 |
| $\times$ | x | x | x | Calvary | Calvary | SH 75 | T | 4 | 4-6 | 100 |
|  |  |  |  | Carraway Lane | Hardin Store Road | Conroe Huffsmith | C | 2 | 2-4 | 80 |
|  |  |  |  | Coaltown | 1H45 | Jeffcote | C | 2 | 2-4 | 80 |
|  |  |  |  | Cochrans Crossing | Research Forest | Flintridge | C | 2 | 2-4 | 80 |
|  |  |  | x | Community Dr. | US 69 | Harris County Line | T | 2 | 4-6 | 100 |
|  |  |  |  | Conroe Huffsmith | FM 2978 | FM 2978 | C | 2 | 2-4 | 80 |
| x | x | x | x | County Line | 1H 45 | San Jacinto County Line | T | 2 | 4-6 | 100 |
|  |  |  |  | Cox/Pollok | FM 1097 | FM 1484 | T | 2 | 4-6 | 100 |
|  | x | x | x | Crighton | 1H 69/US 59 | Sgt Ed Holcomb Blvd S | T | 2 | 4-6 | 100 |
|  |  |  |  | Crown Ranch Blvd | Keenan Cut Off | Grimes County Line | C | 2 | 2-4 | 80 |
|  | $\times$ | $\times$ | $\times$ | Cude Cemetary | FM 1097 | FM 830 | C | 4 | 2-4 | 80 |
|  |  |  |  | Cumberland Blvd | . 50 Miles w of Pleasant Grove | FM 1314 | C | 2 | 2-4 | 80 |
|  | x | $x$ | $x$ | Cypress Rosehill | Butera | Harris County Line | T | 0-2 | 4-6 | 100 |
| x | x | $x$ |  | David Memorial | Hwy 242 | IH 45 | C | 0-4 | 2-4 | 80 |
| x | x | x | x | Daw Collins | SH 105 (East) | Gene Campbell | T | 0-2 | 4-6 | 100 |
| x | x | x | x | Dobbin Hufsmith Road | FM 149 | Hardin Store Rd | T | 4 | 4-6 | 100 |
|  |  |  |  | Duck Creek (N. and S.)/Firetower | San Jacinto County Line | FM 1485 | T | 2 | 4-6 | 100 |
|  | x | x |  | E. River | IH 69/US 59 | Liberty County Line | T | 2 | 4-6 | 100 |


| THOROUGHFARE PLANS |  |  |  | CORRIDOR | FROM | T0 | FUNCTIONAL CLASSIFICATION | EXISTING LANES | PROP. NUM. LANES | PROP. ROW (MIN.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1979 | 1985 | 1998 | 2012 |  |  |  |  |  |  |  |
|  |  |  |  | East Dr. | Calhoun | Porter | C | 2 | 2-4 | 80 |
|  |  |  | $\times$ | Egypt Lane | FM 1488 | FM 2978 | C | 2 | 2-4 | 80 |
|  | x |  |  | Fairview | Hwy 242 | Rayford | T | 0-2 | 4-6 | 100 |
|  |  |  |  | Fallin | Kenan Cut-Off | Gosling | T | 2 | 4-6 | 100 |
|  |  |  |  | Flintridge | Woodlands Parkway | S. Panther Creek | C | 2 | 2-4 | 80 |
| $\times$ | x | x | x | FM 1097/Johnson Rd/Bailey Grove/FM1486 | Grimes County Line | Walker County Line | MT | 2 | 4-8 | 120 |
| $\times$ | x | x | x | FM 1314/Porter | SH 105 | Loop 494 | MT | 2 | 4-8 | 120 |
| x | x | x | $\times$ | FM 1375 | FM 149 | Walker County Line | MT | 2 | 4-8 | 120 |
| $\times$ | x | x | $\times$ | FM 1484 | San Jacinto County Line | SH 105 | MT | 2 | 4-8 | 120 |
| x | x | x | x | FM 1484/McCrory | Walker County Line | SH 105 | MT | 2-4 | 4-8 | 120 |
| x | x | x | x | FM 1485 | FM 3083 | Loop 494 | MT | 2 | 4-8 | 120 |
| x | x | x | x | FM 1485 | Loop 494 | Harris County Line | MT | 2 | 4-6 | 100 |
| x | $x$ | $x$ | $x$ | FM 1485/ Old Houston Rd | SH 105 | Grand Parkway | MT | 2 | 4-8 | 120 |
| x | x | $x$ | x | FM 1486/Longstreet/Bays Chapel | Walker County Line | Magnolia Loop S | MT | 2 | 4-8 | 120 |
| x | $x$ | x | x | FM 1488 | Waller County Line | FM 3083 | MT | 0-4 | 4-8 | 120 |
| x | x | x | x | FM 149 | Grimes County Line | Jackson Rd/FM 149 | MT | 2 | 4-8 | 120 |
| x | x | $x$ | x | FM 1774 | Waller County Line | SH 249 (toll) | T | 2-4 | 4-6 | 100 |
| x | x | x | x | FM 1791/FM 1097/Spring Branch | Walker County Line | SH 249 @ Magnolia Loop S | MT | 2 | 4-8 | 120 |
| x | $\times$ | $\times$ | $\times$ | FM 2090 | FM 3083 | Liberty County Line | MT | 2 | 4-8 | 120 |
|  |  |  |  | FM 234 | Walker County Line | Lake Conroe | T | 2 | 4-6 | 100 |
| x | $x$ | $x$ | $x$ | FM 2432/Willis Waukegan Road | FM 1097 | FM 1485 | MT | 2 | 4-8 | 120 |
| $\times$ | x | x | x | FM 2854 | SH 105 | IH 45 | MT | 2 | 4-8 | 120 |
| x | x | x | x | FM 2978/Fish Creek Thoroughfare/McCaleb | SH 105 | Harris County Line | MT | 2-4 | 4-8 | 120 |
| x | x | x | x | FM 3083 | SH 105(W) | FM 1485 | MT | 2 | 4-8 | 120 |
| x | x | x | x | FM 830/Seven Coves | Lake Conroe | Rose | MT | 2 | 4-8 | 120 |
| $\times$ | $\times$ | $\times$ | $x$ | Ford Road | IH 69/US 59 | N. Lake Houston Pkwy | T | 0-4 | 4-6 | 100 |
|  |  |  | x | Foster | 1H45 | Loop 336 (East) | C | 0-4 | 2-4 | 80 |
| x | x | x |  | Fostoria | San Jacinto County Line | IH 69/US 59 | T | 2 | 4-6 | 100 |
|  |  |  |  | Gay Lake/ FM 1097 | Grimes County Line | FM 1097 | T | 2 | 4-6 | 100 |
|  | x | x | x | Gene Campbell | FM 1314 | IH 69/US 59 | T | 2 | 4-6 | 100 |
| x |  | x |  | Glen Loch | S. Panther Creek | Sawdust | C | 2 | 2-4 | 80 |
| x | $\times$ | x | x | Gosling/People/Old Danville | Walker County Line | Harris County Line | MT | 0-4 | 4-8 | 120 |
|  |  |  | $\times$ | Grand Harbor/Peel | FM 1097 | Walden Road | C | 2 | 2-4 | 80 |
|  |  |  |  | Great Oaks Blvd | IH 45 | Scarlet Oaks Dr | C | 2 | 2-4 | 80 |
|  | x |  |  | Green Bridge | SH 242 | Research Forest | C | 4 | 2-4 | 80 |
| x | x | $\times$ | $\times$ | Grogans Mill | Vision Park | Sawdust | MT | 4 | 4-8 | 120 |
|  |  |  |  | Gulf Coast Rd | Townsen | Old Houston | T | 2 | 4-6 | 100 |
|  |  | x | x | Hanna/Richard | David Memorial | IH 45 | T | 2 | 4-6 | 100 |
| $\times$ | x | x | x | Harden Store Road | SH 249 | FM 2978 | T | 2 | 4-6 | 100 |

MONTGOMERY COUNTY THOROUGHFARE PLAN 2016

| THOROUGHFARE PLANS |  |  |  | CORRIDOR | FROM | T0 | FUNCTIONAL CLASSIFICATION | EXISTING LANES | PROP. NUM. LANES | PROP. ROW (MIN.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1979 | 1985 | 1998 | 2012 |  |  |  |  |  |  |  |
|  |  |  |  | Harpers Way | SH 242 | Tamina | T | 2 | 4-6 | 100 |
|  |  |  |  | Hoda | County Line Rd | Jeffcote | T | 2 | 4-6 | 100 |
| $\times$ | x | $\times$ | $\times$ | Honea Egypt | Woodforest Parkway | Fish Creek Thoroughfare/Honea Egypt | C | 2 | 2-4 | 80 |
|  |  |  | x | Imperial Oaks/Robinson | Robinson Road | Rayford | C | 2-4 | 2-4 | 80 |
| $\times$ | $\times$ | $\times$ | x | Jackson Road/FM 149 S | Grimes County Line | FM 1774 | MT | 2 | 4-8 | 120 |
|  |  |  | x | Jeffcote | Gosling/Peoples | SH 105(East) | T | 2 | 4-6 | 100 |
|  |  |  | x | Jefferson Chemical | SH 105(East) | Montgomery Pkwy | T | 2 | 4-6 | 100 |
| $\times$ | $\times$ | x | x | Keenan Cut Off/Fallin | Gosling | Grimes County Line | MT | 2 | 4-8 | 120 |
|  |  |  | x | Keith Dr/Laura Ln | Loop 494 | N. Lake Houston Pkwy | C | 2 | 2-4 | 80 |
| $\times$ | x | x | $\times$ | Kuykendahl | FM 1488 | Harris County Line | MT | 2-4 | 4-8 | 120 |
|  |  |  |  | Lake Front Cir | Lake Woodlands | IH 45 | C | 4 | 2-4 | 80 |
|  | x | x | $\times$ | Lake Woodlands/Sleepy Hollow | Woodlands Parkway | Townsen | MT | 4 | 4-8 | 120 |
|  |  |  | x | Lazy Lane | Rayford | Harris County Line | T | 0-2 | 4-6 | 100 |
| $\times$ | x | x | x | League Line Road | Lake Conroe | Airport | T | 2 | 4-6 | 100 |
|  | $\times$ |  | x | Lexington Blvd | Rayford | Townsen | T | 0-2 | 4-6 | 100 |
|  |  |  | x | Lone Star Parkway (North Side) | SH 105 (West) | SH 105 (East) | MT | 2-4 | 4-8 | 120 |
|  |  |  | x | Lone Star Parkway (South Side) | SH 105 (West) | FM 2854 | MT | 2-4 | 4-8 | 120 |
| $x$ | x | x | x | Longmire | League Line | SH 105 (West) | T | 2-4 | 4-6 | 100 |
| $x$ | x | x | x | Longstreet Rd | Lake Conroe | FM 1097 | T | 2 | 4-6 | 100 |
| $\times$ | $\times$ | $\times$ | x | Loop 336 - South | SH 105 (East) | SH 105 (West) | MT | 2-4 | 4-8 | 120 |
| $\times$ | x | $\times$ | x | Loop 336 -North | SH 105 (West) | SH 105 (East) | MT | 2-4 | 4-8 | 120 |
|  |  |  | $\times$ | Magnolia Loop - N | SH 249 (Toll) | FM 1488 | MT | 0 | 4-8 | 120 |
|  |  |  |  | Magnolia Loop - S | FM 1488 | SH 249 (Toll) | MT | 0 | 4-8 | 120 |
|  |  |  |  | Magnolia Ridge | SH 249 (Toll) | FM 1774 | C | 2 | 2-4 | 80 |
| x |  | x |  | Martin Rd | US 69 | Woodland Hills | C | 2 | 2-4 | 80 |
|  |  |  |  | Medical Plaza Drive | Pinecroft | 1H 45N | C | 4 | 2-4 | 80 |
|  |  |  |  | Millbend N/S | Grogans Mill | Sawdust | C | 2 | 2-4 | 80 |
|  | x |  | $\times$ | Mills Branch | Townsen | Woodland Hills | T | 0-2 | 4-6 | 100 |
|  |  |  |  | Mitchell Rd | FM 149 | Superior/Collier Cemetery | C | 2 | 2-4 | 80 |
| $\times$ |  |  | $x$ | Montgomery Parkway | Old Houston Rd | FM 1485 | MT | 2 | 4-6 | 120 |
|  | x | x | x | Morgan Cemetery/Magnolia | Liberty County Line | Jefferson Chemical | MT | 0-2 | 4-8 | 120 |
|  | x | x | $\times$ | Mt Zion Rd/N. Walker/Firetower/ Pickering/ E. Industrial Parkway/Tree Monkey | Walker County Line | FM 1314 | MT | 2 | 4-8 | 120 |
|  |  |  | x | New Road 100 | IH 69/US 59 | Baptist Encampment | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 101 | SH 105 | New Road 61 | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 102 | SH 105 | IH 69/US 59 | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 103 | FM 1488 | FM 149 | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 104 | Calhoun | Porter | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 105 | New Road 104 | Old Houston | C | 0 | 2-4 | 80 |


| THOROUGHFARE PLANS |  |  |  | CORRIDOR | FROM | T0 | FUNCTIONAL CLASSIFICATION | EXISTING LANES | PROP. NUM. LANES | PROP. ROW (MIN.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1979 | 1985 | 1998 | 2012 |  |  |  |  |  |  |  |
|  |  |  |  | New Road 106 | IH 45 | Jeffcote | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 107 | FM 1774 | FM 149 | MT | 0 | 4-8 | 120 |
|  |  |  |  | New Road 108 | Lone Star Pkwy | Walden | C | 0 | 2-4 | 80 |
| $\times$ | $\times$ | $\times$ |  | New Road 109 | SH 105 | SH 242 | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 110 | New Road 106 | IH 45 | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 111 | Woodtrace Blvd/Wood. Pkwy | FM 149 | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 112 | Woodland Hills | New Road 113 | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 113 | Ford Road | Harris County Line | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 114 | New Road 115 | Spring Branch | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 115 | Crown Ranch | FM 1774 | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 116 | Magnolia Ridge | New Road 103 | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 117 | New Road 116 | N. Cripple Creek | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 118 | Tree Monkey/Industrial | FM 1485 | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 119 | IH 69/US 59 | Sulivan | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 120 | FM1486 | FM 2854 (N/S) | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 121 | Firetower | IH 69/US 59 | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 122 | IH 69/US 59 | N. Houston Parkway | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 123 | Walker County Line | County Line Rd | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 124 | Walker County Line | Longstreet Rd | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 125 | Lone Star Pkwy | Buffalo Springs | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 126 | FM 2854 | FM 1486 | T | 0 | 4-6 | 100 |
|  |  |  |  | New Road 127 | SH 242 | IH 69/US 59 | C | 0 | 2-4 | 80 |
|  |  |  |  | New Road 128 | League Line | FM 830 | C | 0 | 2-4 | 80 |
|  |  |  |  | New Trails | Gosling | Lake Woodlands | C | 2-4 | 2-4 | 80 |
|  |  |  |  | Nichols Lane/Walnut/Red Bull | Gene Campbell | FM 1314 | T | 2 | 4-6 | 100 |
| x | x | x | x | Nichols Sawmill Rd - N/S | FM 1774 | Harris County Line | MT | 2 | 4-8 | 120 |
| $\times$ | x | x | x | Nichols Sawmill Rd - W/E | Waller County Line | Nichols Sawmill Rd - N/S | T | 2 | 4-6 | 100 |
|  |  |  | x | Northpark | Townsen | Harris County Line | MT | 0-4 | 4-8 | 120 |
| x | x | x | x | Old Conroe | San Jacinto River | Research Forest | MT | 0-2 | 4-8 | 120 |
| x | x | x |  | Old Hwy 105 | SH 105 | FM 2854 | C | 2 | 2-4 | 80 |
| x | x | x | x | Old Montgomery | IH 45 | FM 830 | T | 2 | 2-4 | 80 |
|  |  |  |  | Old Sorters | FM 1314 | Sorters | T | 2 | 4-6 | 100 |
|  |  |  |  | Panther Creek S | Woodlands Parkway | Woodlands Parkway | C | 2 | 2-4 | 80 |
|  |  |  |  | Panther Creek W/N/E | Woodlands Parkway | Woodlands Parkway | C | 2 | 2-4 | 80 |
|  |  |  |  | Peel | Grand Harbor | FM 1097 | C | 2 | 2-4 | 80 |
| $\times$ | x |  |  | Pine Lake | SH 105 | FM 2854 | T | 2 | 4-6 | 100 |
|  |  |  |  | Pinecroft | Research Forest | Lake Woodlands | C | 4 | 2-4 | 80 |
|  |  |  |  | Pinewood | SH 105(West) | Anderson | C | 2 | 2-4 | 80 |
| x | x | x | x | Rabon Chapel/Honea Egypt | FM 1486 | Woodforest Parkway | T | 2 | 4-6 | 100 |

MONTGOMERY COUNTY THOROUGHFARE PLAN 2016

| THOROUGHFARE PLANS |  |  |  | CORRIDOR | FROM | T0 | FUNCTIONAL CLASSIFICATION | EXISTING LANES | PROP. NUM. LANES | PROP. ROW (MIN.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1979 | 1985 | 1998 | 2012 |  |  |  |  |  |  |  |
| x | x | x | x | Rayford | IH 45 | Townsen | MT | 2-6 | 4-8 | 120 |
| x | x | x | x | Research Forest | FM 2978 | IH 45 | MT | 2-6 | 4-8 | 120 |
|  |  |  |  | Riverwalk | FM 1314 | FM 1314 | T | 2 | 4-6 | 100 |
| x | $\times$ | $x$ | $\times$ | Roberts Cemetery Rd | Nichols Sawmill - W/E | Harris County Line | T | 2 | 4-6 | 100 |
| $\times$ | x | x | x | Robinson Road/Porter | IH 45 | FM 1314 | T | 0-2 | 4-6 | 100 |
|  |  |  | x | Rogers Rd | Walker County Line | Longstreet Rd | T | 2 | 4-6 | 100 |
|  |  |  |  | Rolling Wood | Dobbin Huffsmith | SH 249 (toll) | T | 2 | 4-6 | 100 |
| x | x |  | x | Roman Forest | IH 69/US 59 | Liberty County Line | T | 2 | 4-6 | 100 |
|  |  |  |  | Russell | Old Houston | IH 69/US 59 | T | 2 | 4-6 | 100 |
|  |  |  |  | Sandy Hill | Waller County Line | Spur 149 | T | 2 | 4-6 | 100 |
| $x$ | $x$ | $x$ | $x$ | Sawdust | Glen Loch | IH 45 | T | 4-6 | 4-6 | 100 |
| $\times$ | $\times$ | $\times$ | x | Sawmill Rd | Grogans Mill | Harris County Line | MT | 0-4 | 4-8 | 120 |
| x | x | x |  | Scotts Ridge/FM 204/FM 208 | Walker County Line | FM 1097 | T | 2 | 4-6 | 100 |
| x | x | x | x | Sgt. Ed Holcomb (Old Conroe Rd) | SH 105 (West) | San Jacinto River | MT | 0-4 | 4-8 | 120 |
| $\times$ | $\times$ | $\times$ | $\times$ | SH 105 | Grimes County Line | San Jacinto County Line | MT | 2-6 | 4-8 | 120 |
| x | $\times$ | $\times$ | $\times$ | SH 105 | San Jacinto County Line | Liberty County Line | MT | 2 | 4-8 | 120 |
| x | $\times$ | x | x | SH 242 | FM 1488 | Liberty County Line | MT | 0-6 | 4-8 | 120 |
|  |  | x | x | SH 249 | Grimes County Line | Harris County Line | FT | 4 | 4-8 | 300 |
| $\times$ | $\times$ | x | x | SH 75/Frazier | Loop 336 S | Walker County Line | MT | 2-4 | 4-8 | 120 |
| $\times$ | x | x | $\times$ | SH 99/Grand Parkway | Harris County Line | Harris County Line | FT | 4 | 4-8 | 300 |
|  |  |  |  | Shenandoah Park | IH 45 | Townsen | T | 2 | 4-6 | 100 |
| x | $\times$ | x | $\times$ | Shepard Hill/Rose/Crocket Martiin | Lake Conroe | FM 2090 | T | 2 | 4-6 | 100 |
|  |  |  |  | Six Pines | Research Forest | N. Millbend Dr.L | C | 4 | 2-4 | 80 |
| $\times$ | x | x | x | Sorters | FM 1314 | Harris County Line | T | 2 | 4-6 | 100 |
|  |  |  |  | Spur 149/Roman Hills | SH 105 | FM 149 | MT | 0-2 | 4-8 | 120 |
|  |  |  |  | St. Lukes Way | SH 242 | IH 45 | C | 2 | 2-4 | 80 |
|  |  |  |  | Stidham | Kidd Rd | FM 1314 | C | 2 | 2-4 | 100 |
| $\times$ | $\times$ | $\times$ | $\times$ | Sullivan Rd/N. Lake Houston Pkwy | Loop 494 | Harris County Line | T | 0-2 | 4-6 | 100 |
| x |  |  |  | Superior | FM 2854 | FM 1488 | T | 0-2 | 4-6 | 100 |
|  |  |  |  | Tamina (W. of FM2978) | FM 1488 | FM 2978 | C | 2 | 2-4 | 80 |
| x | x | x | x | Tamina/Calhoun | IH 45 | FM 1314 | MT | 0-2 | 4-8 | 120 |
|  |  |  | $\times$ | Tanyard | FM 1097 | San Jacinto County Line | C | 2 | 2-4 | 80 |
|  |  |  |  | Terramont Dr | Branch Crossing | Woodlands Parkway | C | 2 | 2-4 | 80 |
| x | $x$ |  | $x$ | Townsen | FM 1314 | Harris County Line | MT | 0 | 4-8 | 120 |
| x | x | x | x | Tram/Galaxy Road | IH 69/US 59 | Grand Parkway | T | 0-2 | 4-6 | 100 |
| $\times$ | x | x | x | Treaschwig | Treaschwig (Harris County) | Kingwood Blvd | MT | 0 | 4-8 | 120 |
|  |  |  |  | Tri Lakes | Spring Branch | Pine Lake | T | 0-2 | 4-6 | 100 |
|  |  |  | $x$ | Valley Ranch Bend | Walnut | IH 69/US 59 | C | 2 | 2-4 | 80 |
|  |  |  | $\times$ | Valley Ranch Crossing | Valley Ranch Bend | IH 69/US 59 | C | 2 | 2-4 | 80 |


| THOROUGHFARE PLANS |  |  |  | CORRIDOR | FROM | T0 | FUNCTIONAL CLASSIFICATION | EXISTING LANES | PROP. NUM. LANES | PROP. ROW (MIN.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1979 | 1985 | 1998 | 2012 |  |  |  |  |  |  |  |
|  |  |  | $\times$ | Valley Ranch Parkway | IH 69/US 59 | FM 1314 | T | 0-2 | 4-6 | 100 |
|  | x | x |  | Vision Park | Grogans Mill | IH 45 | T | 4 | 4-6 | 100 |
| x | x | x | $\times$ | Walden | SH 105 | Twain | C | 2 | 2-4 | 80 |
| x | x | x |  | Weeren Road | SH 249 | Spring Branch | T | 0-2 | 4-6 | 100 |
|  |  |  |  | Westway Drive | Bailey Grove | Keenan Cut Off | T | 0-2 | 4-6 | 100 |
| $\times$ |  |  | $\times$ | Woodforest Blvd/Gladstell | Woodforest Parkway | Jefferson Chemical | T | 0-2 | 4-6 | 100 |
| $\times$ |  |  |  | Woodforest Parkway/Magnolia Hills | Grimes County Line | Fish Creek Thoroughfare | MT | 0-2 | 4-6 | 120 |
|  |  |  | $x$ | Woodland Hills | Loop 494 | Harris County Line | T | 2 | 4-6 | 100 |
| x | x | x | x | Woodlands Parkway | SH 249 | 1H 45 | MT | 0-6 | 4-8 | 120 |

ET - Expressway/Toll Road
MT - Major Thoroughfare (Major Arterial
T - Thoroughfare (Minor Arterial)
C - Major Collecto
200 Roads are in the 2016 MCTP
76 Number of roads that were in the 1979 MTP
83 Number of roads that were in the 1985 MTP
80 Number of roads that were in the 1998 Mobility Plan
102 Number of roads that were in the 2012 MCTP, 2012 Conore Thoroughfare Plan and/or 2015 City of Houston Thoroughfare Plan
116 Roads were in at least one of the previous Thoroughfare Plans

Functional Classification Design Criteria

| Thoroughfare Type | Abbreviation | Number of Lanes | Minimum Right of Way | Design Speed | Vehicles per Day | Minimum Intersection Spacing | Minimum Shoulder Widih ${ }^{1}$ | Typical Characteristics |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Freeways/Tollways | F | 4 or more | 400 ft | > 50 mph | > 40,000 | No at-grade intersections | $8-12 \mathrm{ft}$ | - Includes Interstate Highways, Freeways, Expressways and Tollways <br> - High degree of access control <br> - All interchanges are grade separated <br> - No sidewalks <br> - No median openings ${ }^{2}$ <br> - No bicycle lanes |
| Major Thoroughfare (Major Arterial) | MT | 4 to 8 | 120 ft | 40-50 mph | 20,000-60,000 | 400-500 ft | 2-8 ft | - Higher speeds and regional mobility <br> - Infrequent median openings ${ }^{2}$ <br> - Limited driveway and street intersections <br> - No on-street parking <br> - Sidewalks (min. 6 ft ) encouraged, esp. in urban areas <br> - Bicycle lanes permitted |
| Thoroughfare (Minor Arterial) | T | 4 to 6 | 100 ft | $35-45 \mathrm{mph}$ | 10,000-30,000 | 300-400 ft | 2-8 ft | - Greater local accessibility <br> - Infrequent median openings ${ }^{2}$ <br> - Limited driveway and street intersections <br> - Permitted street parking <br> - Sidewalks (min. 6 ft ) encouraged, esp. in urban areas <br> - Bicycle lanes permitted |
| Major Collector | C | 2 to 4 | 80 ft | $35-40 \mathrm{mph}$ | 5,000-30,000 | 250-300 ft | 2-8 ft | - Accesibility to and from local communities and activity centers <br> - Frequent median openings, driveway and street intersections ${ }^{2}$ <br> - Permitted street parking <br> - Sidewalks may not be present, especially in rural areas <br> - Bicycle lanes permitted |

${ }^{1}$ May not be possible to provide shoulders in all areas
${ }^{2}$ Raised medians are recommended for all roadways carrying 20,000 or more vehicles per day


URBAN/SUBURBAN
MAJOR THOROUGHFARE (MT)
20,000-60,000 VEHICLES PER DAY


RURAL
MAJOR THOROUGHFARE (MT)
20,000-60,000 VEHICLES PER DAY

MONTGOMERY COUNTY THOROUGHFARE PLAN 2016


URBAN/SUBURBAN
THOROUGHFARE (T)
10,000-30,000 VEHICLES PER DAY


* COULD BE USED AS BIKE LANE

RURAL
THOROUGHFARE (T)
10,000-30,000 VEHICLES PER DAY




[^0]:    A THOROUGHFARE PLAN IS NOT:

    - A list of construction projects
    - A commitment by local governments to build specific roads

[^1]:    3/15/2016

