The background features a dark gray grid pattern. On the right side, there is a vertical strip containing a close-up, high-angle photograph of a white, curved architectural element, possibly a staircase or a modern building facade, with a grid-like pattern of lines.

# CIP Report Current Status, On-Going, & Proposed Projects

Engineering and Planning Department

**JULY 27, 2009**

# FY 09-13 Capital Improvement Projects

- **Mechanic Street Improvements & Extension**
- **Rudolph Road & Utilities**
- **Brown-Hufsmith Road & Utility Extension (Phase II)**
- **Hufsmith Water & Gas Improvements**
- **Medical Complex Extension**
- **Tomball Hills Lift Station**

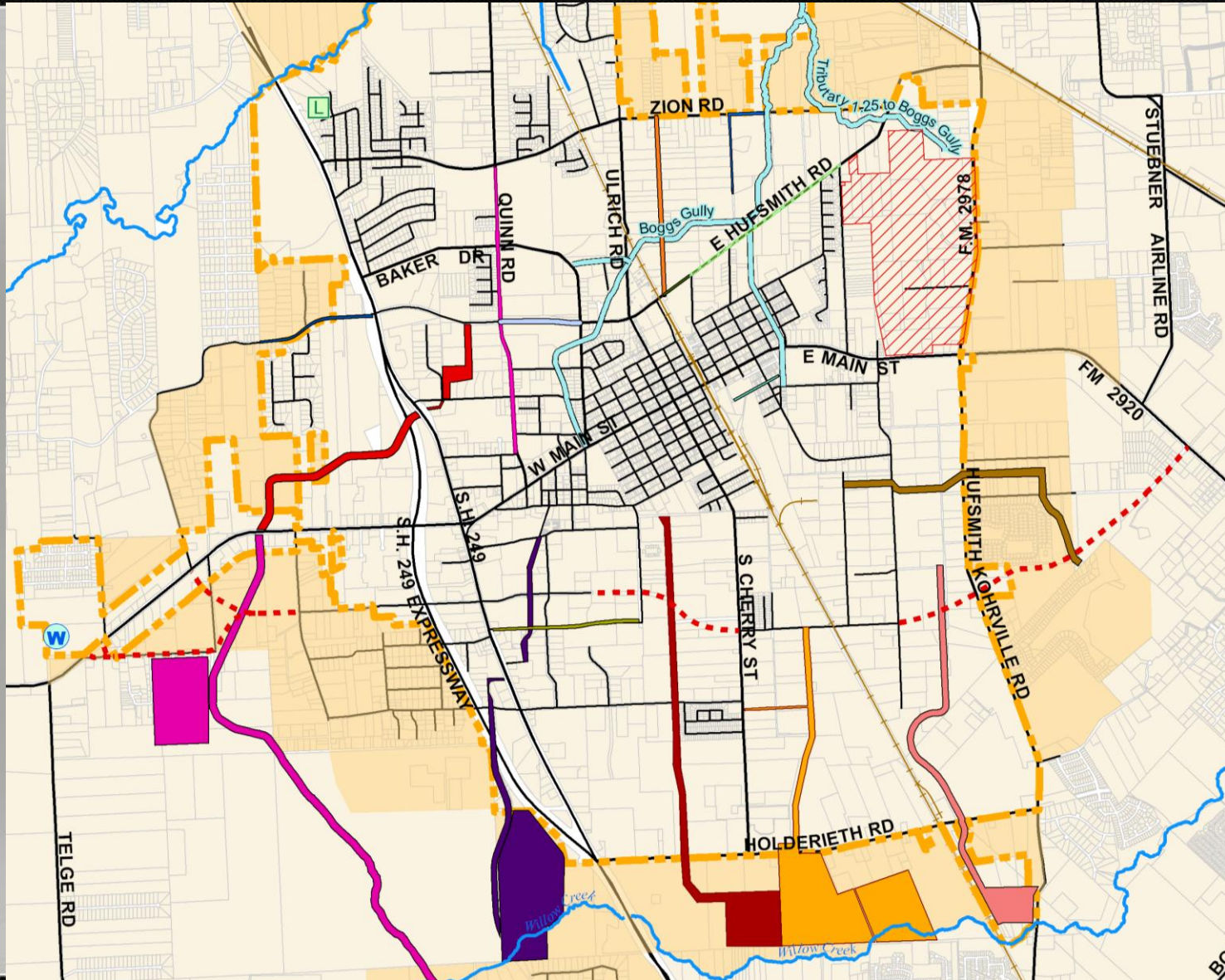
# Capital Improvement Projects

## Initiated Prior to FY 09-13 Budgets

- Medical Complex Corridor
- M118 Drainage & Detention Basin
- M121 Drainage & Detention Basin
- Michel Road Improvements & Extension
- Mechanic Street Improvements & Extension
- Barbara Street Drainage (M125)
- Brown-Hufsmith Road Extension (Phase I)
- Brown-Hufsmith Utilities Extension (Phase I)
- Quinn Road Improvements
- M124 Channel
- Comprehensive Plan
- Major Thoroughfare Plan
- 10-Year Master Plan
- M116 Drainage Channel
- J131-00-01
- Hufsmith Sewer Improvements
- Hufsmith Water & Gas Improvements
- Neal Street Utilities
- Rudolph Road & Utilities
- Tomball Hills Lift Station
- Water Well No. 5



# Capital Improvement Projects



# Current Project Status



# Mechanic St. Improvements & Extension

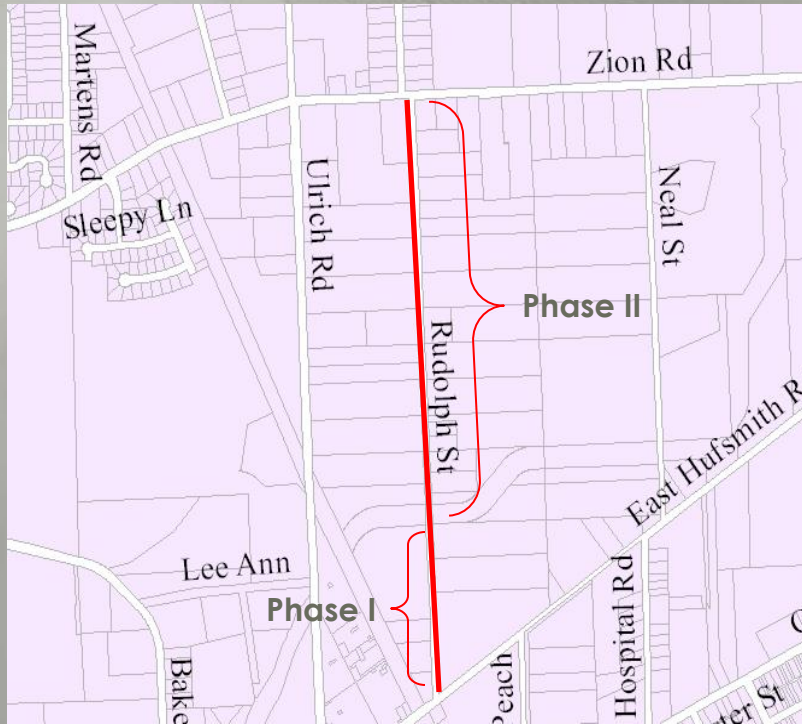


- **Description:** Mechanic Street Phase II improvements include infrastructure improvements from existing J131-03-00 Boggs Creek Tributary to 475 LF west of Chestnut Street, connecting with the existing Phase I. The project consists of 475 LF of 6" concrete curb and gutter paving 28' wide with 485' of underground 36" storm pipe west of Chestnut St. and approximately 350 LF east to J131-03-00 consisting of 28' wide asphalt paving with open ditch storm drainage, 135' of 48" storm pipe, 56' of 4' x 3' box culvert to the Boggs Gully tributary. Improvements include minor sanitary sewer upgrades. Phase I was completed in prior years.

- **FY 07-08 Budget:** \$600K
- **FY 08-09 Budget:** \$550K

- **Progress:** A contract was executed with Kingsley Constructors for \$428,216.50. A notice to proceed was issued October 29, 2008. The contract term was 150 calendar days. This project was completed in January 2009. The final construction cost was \$437,808.90.

# Rudolph Road & Utilities

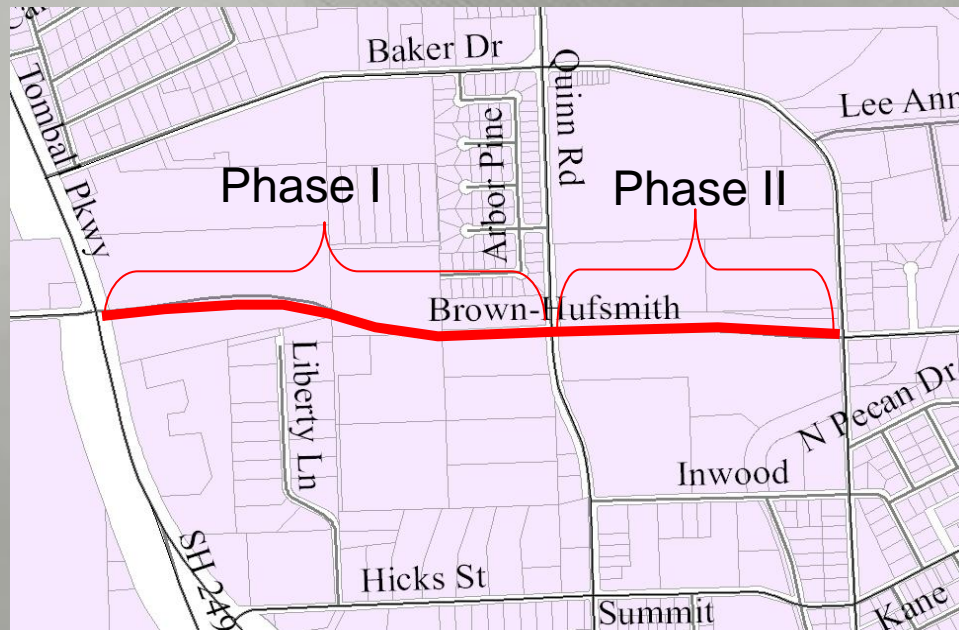


- **Description:** The Rudolph Rd. Utilities improvements project includes land acquisition and providing street and utility improvements to current standards as a collector street. The majority of the street is substandard with limited to no utilities within a 30' ROW.
- **FY 08-09 Budget:** \$209K
- **FY 09-10 Budget:** \$0
- **FY 10-11 Budget:** \$140K
  - Land - \$200K
  - Design - \$100K
  - Construction \$600K
  - Total - \$900K

● **Progress:** Proposal negotiated with Consultant for PER for Rudolph (both Phases). A Professional Services contract was executed in 12/07 to perform the necessary surveying and prepare the individual metes and bounds descriptions for utility easements and ROW dedications. The PER is scheduled to be completed by December 2009. Based on the approved PER, the Consultant will perform the final design of Phase I. An agreement was executed between COT and TEDC for \$300K to aid in the construction of Phase I. Additionally, an agreement between the COT and a developer was executed under which the developer has agreed to contribute \$30K for the construction of Phase I. These contributions made it possible to begin this project prior to FY 10-11, as originally planned in the 07-08 CIP. The PER is 95% complete.



# Brown-Hufsmith Road Extension



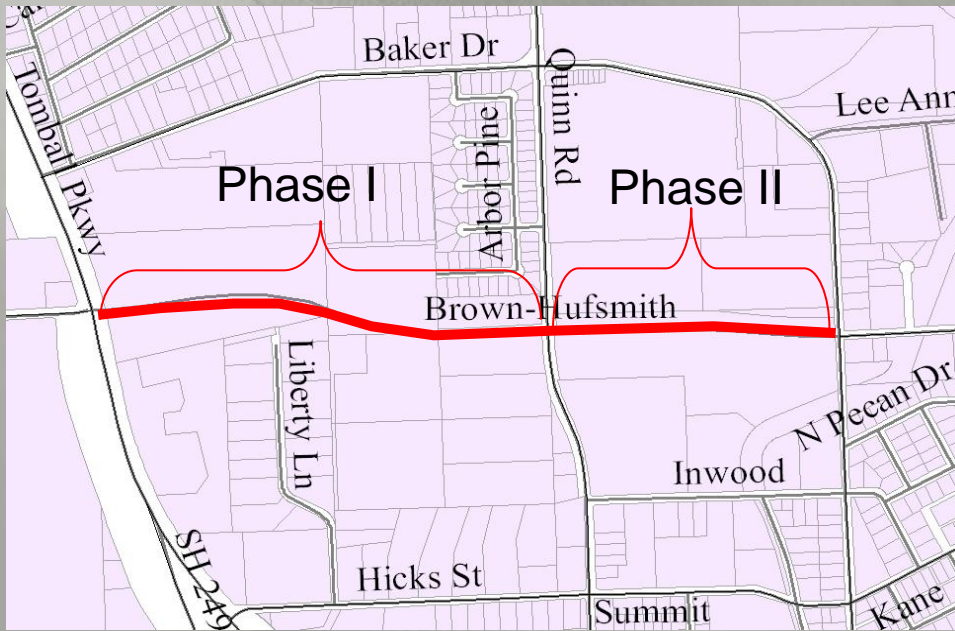
- **Description:** Brown-Hufsmith Road extension includes street improvements from SH 249 to Baker. Phase I includes from SH 249 to Quinn, and Phase II includes from Quinn to Baker. Phase I is a joint project with TxDOT. Phase II will provide the City's major east-west corridor on the north side of FM 2920.
- **FY 07-08 Budget:** \$1.7M (Carry-over from FY 06-07)
- **FY 08-09 Budget:** \$280K Phase II
- **FY 10-13 Budget:** No funds have been allocated

- **Progress:** Phase I was let by TxDOT on December 4, 2007 and awarded to Hassell Construction in the amount of \$1,833,442.16. Notice to proceed issued March 10, 2008, with an 84-working day schedule. In reference to construction costs, City has paid TxDOT \$1,086,890.87. Phase I was completed in November 2008 with the exception of the final traffic signal to be installed at SH 249 and the pipe runners at M124. The pipe runners have been installed. TxDOT installation of the traffic signal has not been determined.

Phase II design proposal, including utilities, was approved by City Council on April 20, 2009 for \$200,054.00. An additional service contract for \$32,171, was approved on June 25, 2009, for offsite detention design and analysis. The contract term is 180 calendar days. Design is \_\_\_% complete. ROW and detention pond property to be acquired.



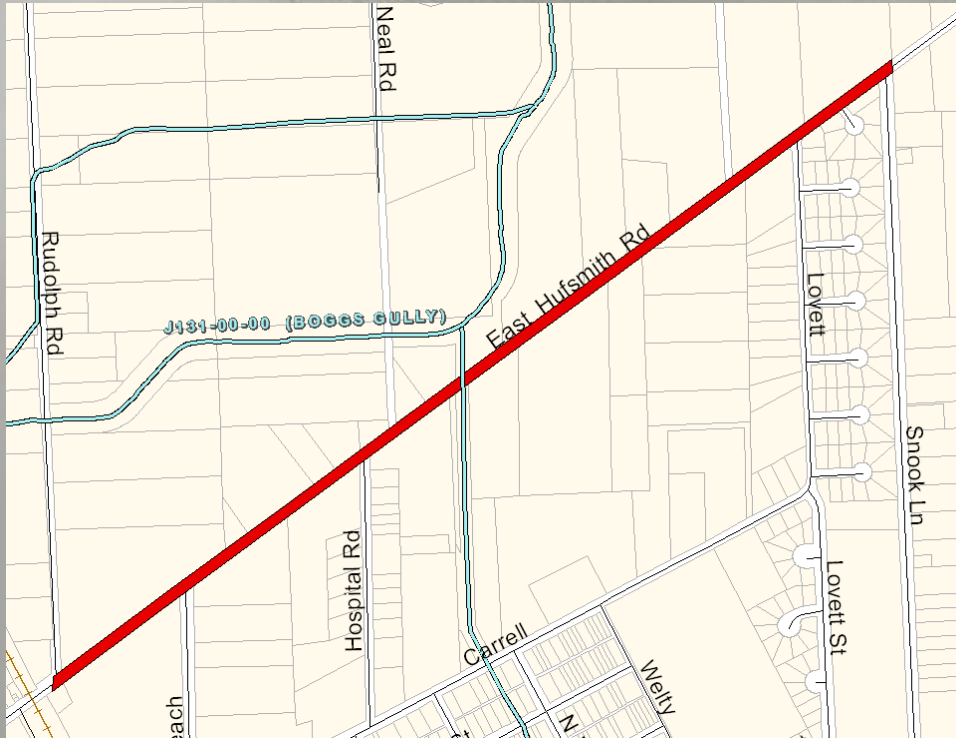
# Brown-Hufsmith Utilities



- **Description:** Provides utility improvements along Brown Road, including water, sewer and gas. Phase I includes constructing 12" water, 10" sanitary and 4" gas. In addition, sidewalks and utility improvements along Quinn from Inwood to the north side of Brown Road were included.

- **FY 07-08 Budget:** \$910K (Phase I)
- **FY 08-09 Budget:** \$0 (Phase II) Included in Brown-Hufsmith Road Extension
- **Progress:** Phase I improvements were let under a Developer Agreement with CCG and TEDC. The City has paid its share of the project (As part of the 380 agreement with CCG, \$471K for utilities & \$400K for ROW. Also paid \$169K for utility upgrades and sidewalks on Quinn.) Phase I was completed March 2008. Phase II is included in Brown-Hufsmith Road Extension Contract.

# Hufsmith Water & Gas Improvements



- Description: The Hufsmith water and gas improvements include 12" water line and 4" gas lines from Rudolph to Snook.

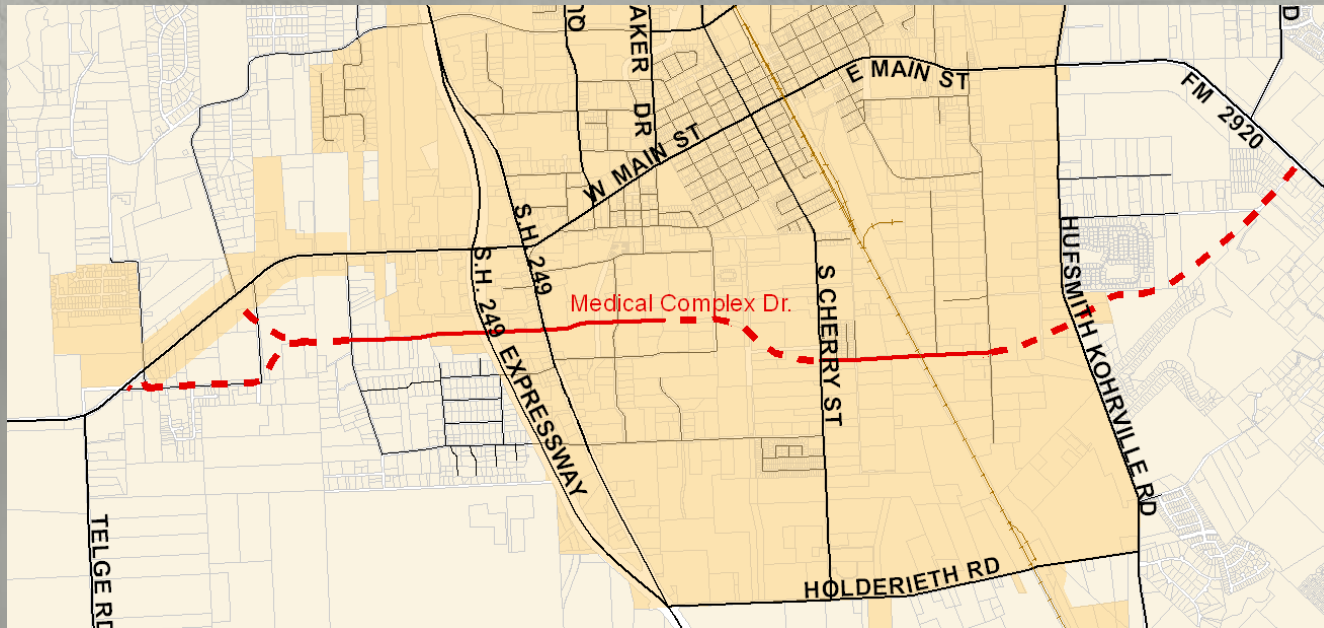
- FY 08-09 Budget: \$150K

- FY 09-13 Budget: No funds have been allocated

- Progress: A contract was executed with a Consultant to complete the final design and develop the metes and bounds descriptions for easement acquisition. The project design is expected to be completed by November 25, 2009. E&P recognizes this project as a critical needs project. The Engineer's opinion of cost is \$880K. There are an estimated 22 easements to be acquired. Design is 95% complete. Consultant to complete metes and bounds for easement acquisition by August 2009.

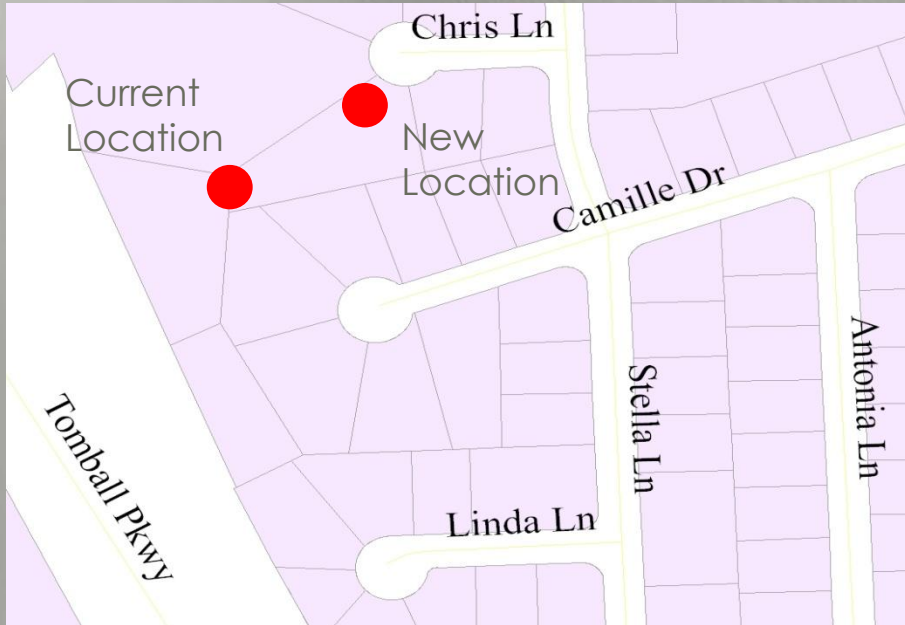


# Medical Complex Dr. Extension



- **Description:** The proposed Medical Complex Corridor commences on the westerly side of Tomball at FM 2920 & Park Rd. and continues easterly to FM 2920 & Mahaffey. Medical Complex Corridor is depicted on the COT's Major Thoroughfare Plan as a major east-west connector to FM 2920 (east & west of Tomball).
- **FY 08-09 Budget:** \$200K    **FY 09-10 Budget:** \$100K    **FY 10-11 Budget:** \$160K
- **Progress:** The Preliminary Engineering Report (PER) was approved by City Council on July 6, 2009. The PER established the corridor, set alignment, construction cost estimate, and ROW acquisition required.

# Tomball Hills Lift Station



- **Description:** The Tomball Hills sanitary sewer lift station was constructed in the mid 1970's to collect sanitary sewer for all of the adjacent subdivision and Lonestar Community College. The lift station was constructed within the floodplain and during increased storm water events is submerged. The lift station requires redesign and relocation consideration to meet TCEQ requirements.
- **FY 07-08 Budget:** \$798K
- **FY 08-09 Budget:** \$50K
- **Progress:** A contract was executed with a Consultant to prepare the PER. The PER was completed in April 2009. The Engineer's opinion of cost is \$430K. The PER identified the property to be acquired and recommended alternatives. Final design was initiated May 27, 2009. The contract term is 120 calendar days. Design is 25% complete.



# On-Going Project Status

# M118 Drainage & Detention Basin



- Description: The M118 drainage basin occupies the southeasterly area of Tomball, south of the M116 basin, east of the railroad tracks, west of Hufsmith-Kohrville, to Willow Creek. Project to provide relief drainage system and reduce or eliminate on-site detention.
- FY 07-08 Budget: \$639K
- FY 09-13 Budget: No funds have been allocated

● Progress: The M118-00-00 Channel Outfall Project from Willow Creek north 365' includes 300 LF of drainage channel and the detention outfall improvements for Ditch M118-00-00 to Willow Creek. It also includes 180 LF of 36" pipe connecting the partially complete M118 Pond to the drainage channel. This construction project was completed January 2009 for \$210K.

A contract was executed on September 30, 2008 with a Consultant to prepare the PER on the balance of channel & pond. A significant portion of pond has been excavated in prior years. All ROW has been acquired south of Holderrieth. No ROW has been acquired north of Holderrieth Rd.

The PER will establish alignment, construction cost estimate, and ROW acquisition required. The PER is 95% complete.

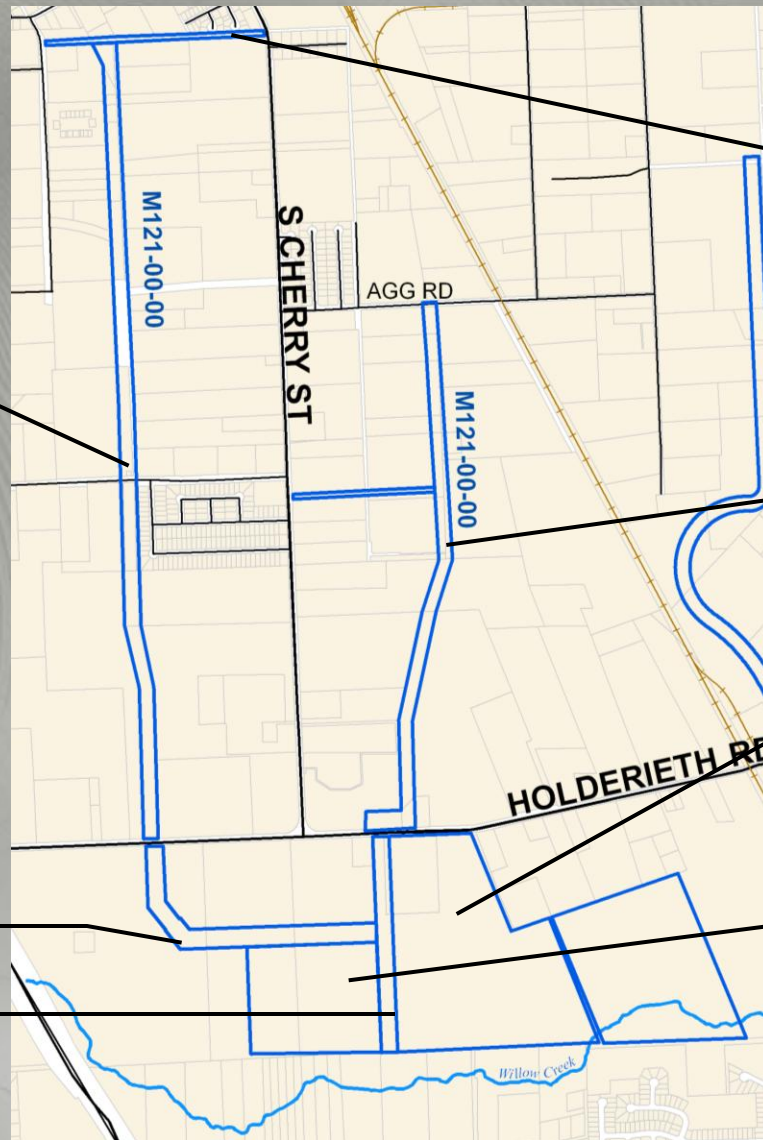


# M121 Drainage Channels

- Description: The M121 basin consists of two drainage channels, i.e. 121W & 121E, and an associated detention pond, serving a central area of Tomball. Project to alleviate conditions that cause localized flooding and eliminate on-site detention.
- FY 07-08 Budget: \$0
- FY 08-09 Budget: \$0
- Progress: A portion of the M121 East channel was constructed by a Private Developer (Hometowne at Tomball). Portions of the M121 West channel have been constructed by various Private Developers. Major portion of the M500 pond excavated by HCFCD is nearing completion. A portion of M121 East ROW was obtained through the development of Hometowne at Tomball. Additional ROW north of the development will have to be acquired. ROW required for outfall channels south of Holderrieth. All of the M121 West ROW north of Holderrieth has been obtained. ROW south of Holderrieth has to be acquired.

A contract was executed on September 30, 2008 with a Consultant to prepare the PER on the balance of the channels. The PER will establish the alignment south of Holderrieth for M121 West, the alignment north of Hometowne at Tomball for M121 East, the detention requirements, and the construction cost estimate. The PER is 95% complete.

# M121 East & West Drainage Channel



M121 W  
ROW Acquired

Hardin Ditch  
ROW Acquired

M121 E ROW to  
be Acquired

M500 Pond ROW  
obtained by HCFC

Future Pond(s) ROW to  
be obtained by HCFC

Outfall Channels  
ROW to be obtained  
by HCFC



# Michel Road Improvements & Extension

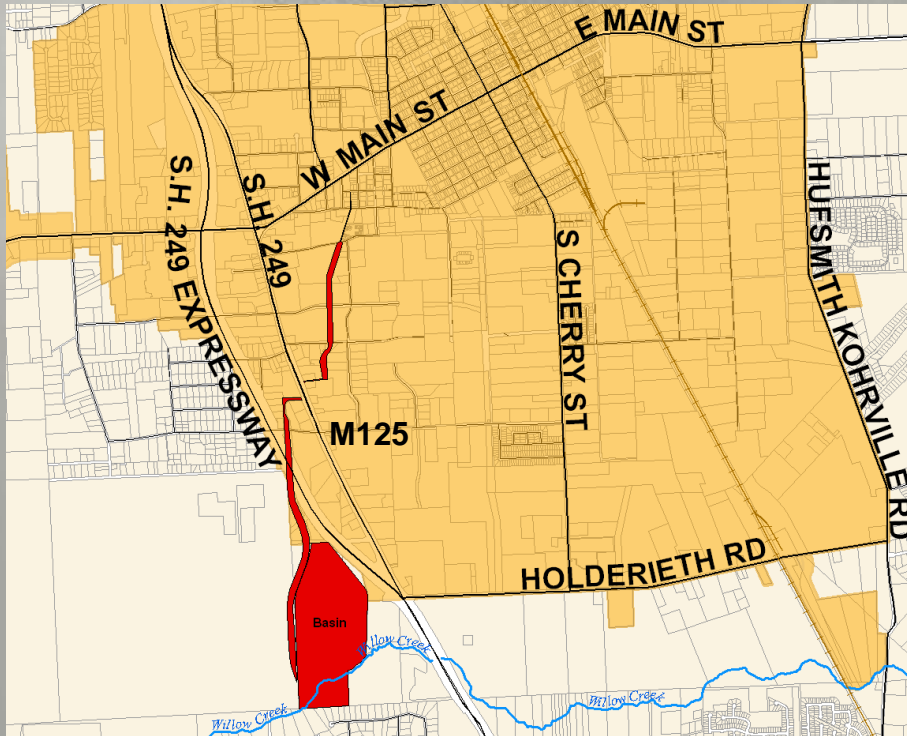


- Description: Michel Rd. improvements from SH 249 to School St. includes approximately 1,400' of 6" concrete curb and gutter paving, 28' wide, and storm sewer pipe from State Highway 249 to Johnson Street and 1,700' of asphalt paving, 28' wide with open ditch from Johnson Street to School Street. The outfall and drainage ditch from School St. to M121 West includes 750' of 66" storm sewer pipe and 200' of drainage ditch. In addition, the project includes 3,695 LF of 8" water line, and 2,250 LF of 2" gas line.

- FY 07-08 Budget: \$1.35M

- Progress: A contract was executed with South Coast Construction for \$1,399,284.70. A Notice to proceed was issued November 10, 2008. The contract term is 240 calendar days. The road was substantially completed on July 14, 2009. The final construction cost estimate is \$1,391,727.14.

# Barbara St. Drainage (M125)



- Description: M-125 channel improvements between Barbara Street and Willow Creek. Joint participation with Harris County and Harris County Flood Control.

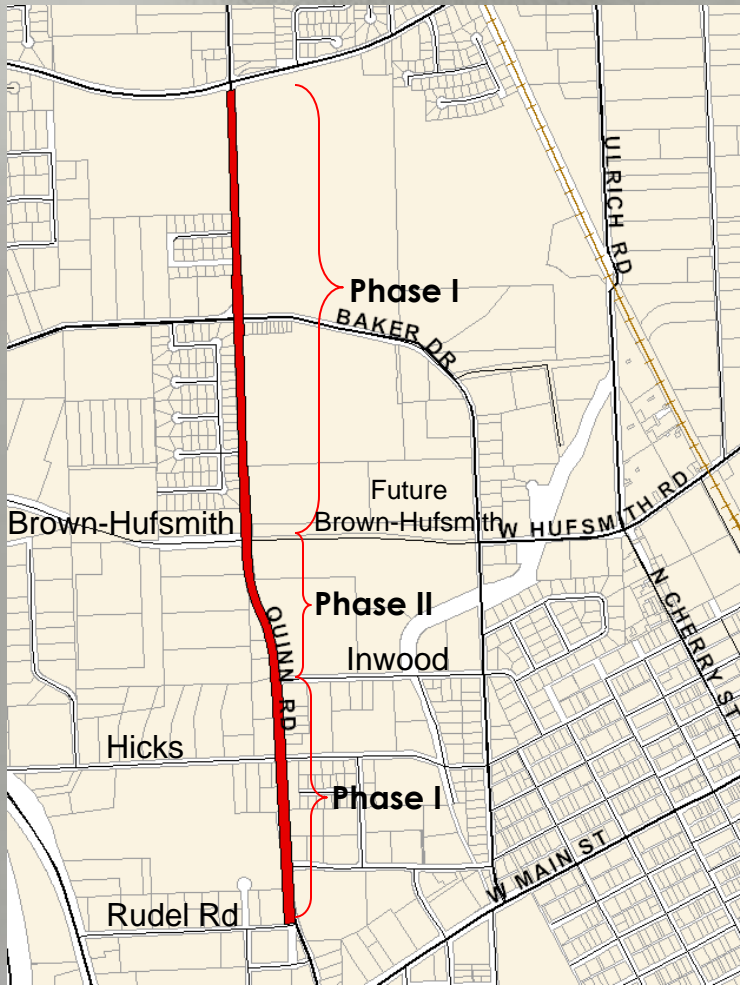
- FY 07-08 Budget: \$0

- FY 08-09 Budget: \$0

- Progress: A revised joint interlocal agreement has been executed by COT and HCFCD/HC February 19, 2008. HCFCD let the project in June 2009 with a contract term is 250 working days for \$4,031,977.00. City's revised cost participation is \$765K. The City has paid \$369K, and still owes \$396K.

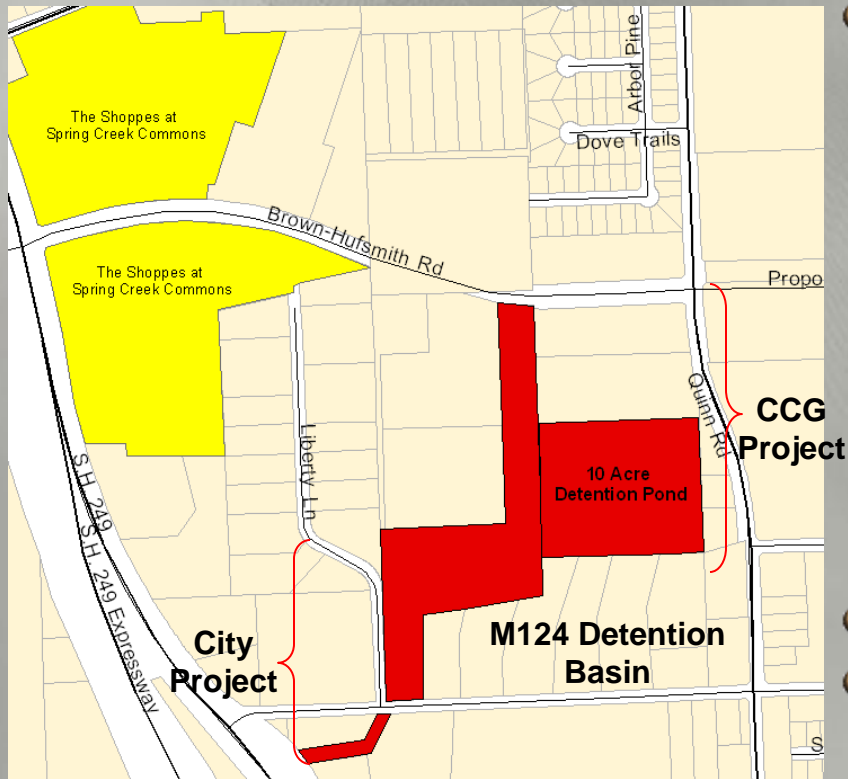


# Quinn Road Improvements



- **Description:** The Quinn Rd. improvements project includes utility and sidewalk improvements. The project limits extend from Rudel Rd. north to Zion Rd. Quinn is a major north – south collector roadway for the City and provides access to three Tomball ISD campuses.
- **FY 07-08 Budget:** \$966K
- **FY 08-09 Budget:** \$0
- **Progress:** Phase II was completed by the developer as part of the Brown-Hufsmith Utility Project. A PER on Phase I was completed and accepted by the City May 29, 2008. A contract was executed with a Consultant to complete the final design. The design is 100% complete. The Engineer's opinion of cost is \$600K. Six (6) easements have been acquired and Six (6) easements of land remain to be acquired.

# Liberty Lane & Hicks Drainage



- **Description:** The M124 Ditch and Detention Basin from SH 249 to Brown Road includes a 4 acre detention pond and 1,000' of drainage channel. The project was divided into two projects. The upper 1,000' of channel terminating at Brown Road and a 10 acre detention pond designed to serve the Shoppes at Spring Creek Commons were addressed in a development agreement with a private developer.

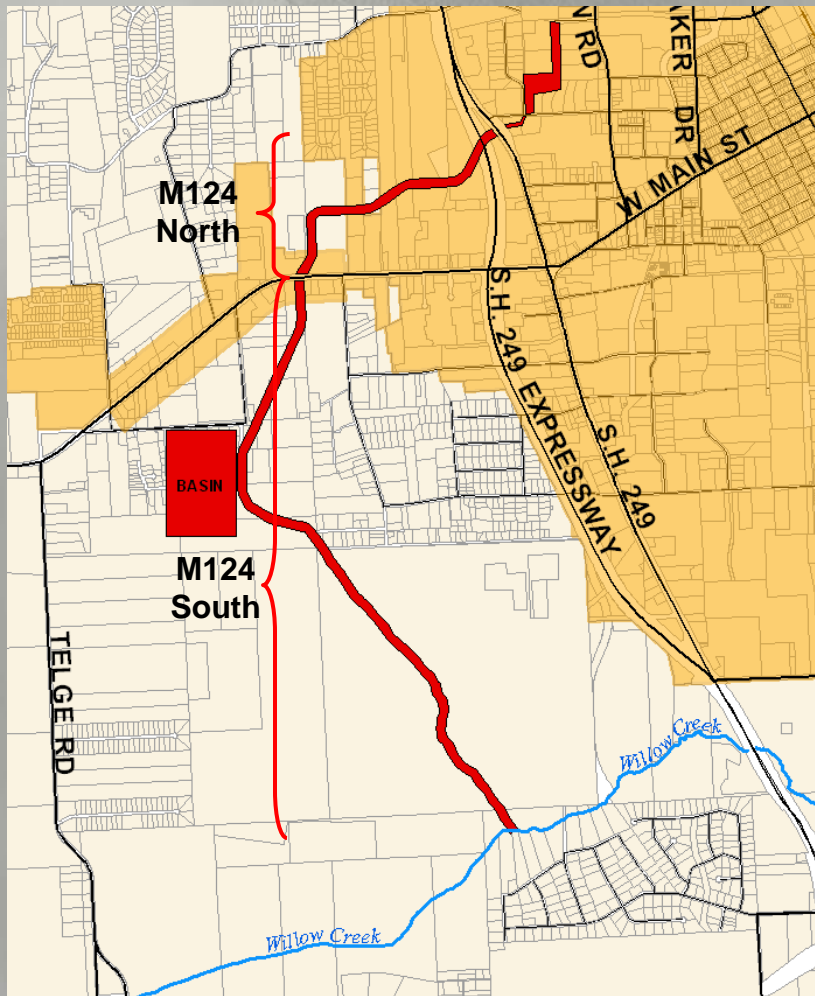
- **FY 07-08 Budget:** \$1.5M

- **FY 08-09 Budget:** \$0

- **Progress:** A contract was executed with Kingsley Constructors for \$1,183,587.75. A notice to proceed was issued July 9, 2008. The contract term was 180 calendar days. The City's initial lower portion of the channel and detention pond was completed in January 2009 for \$1,191,349.76. In addition, the City has taken over the developer's responsibility to complete the channel portion of the project and was substantially completed on by June 18, 2009 for \$50,000.



# M124 Channel



- **Description:** The M124 basin occupies a major portion of the westerly area of Tomball, outfalling to Willow Creek. Project to provide relief drainage system and reduce and/or eliminate on-site detention. The project has been divided into M124 North, described as area north of FM 2920 to SH 249, and M124 South, described as area south of FM 2920.
- **FY 07-08 Budget:** \$950K
- **FY 09-13 Budget:** No funds have been allocated
- **Progress:** The PER with alternative analysis and recommendations was approved November 5, 2008. Additional funding was approved by City Council to establish alignment and channel cross-section to be completed in 270 calendar days. The additional services include preliminary survey, geotechnical report, project scheduling, phasing, cost estimates, preliminary plan & profile drawings, and project management and coordination. No ROW has been acquired.

# Livable Centers



- **Description:** Conduct a Planning & Feasibility Study of Old Town Tomball to facilitate the creation of a walkable, mixed-use downtown with multi-modal transportation options, improved environmental quality, and enhanced economic development opportunities.
- **FY 08-09 Budget:** \$34K

- **Progress:** Project Consultant retained 6/18/08. Community framework and visioning has been completed. HGAC Downtown plan was completed June 5, 2009.

The City Council executed an additional service agreement on July 13, 2009, to present final plan to the Planning & Zoning Commission and the Livable Centers Advisory Committee, and City Council. Meetings are scheduled for August 24 and September 8, 2009, respectively. Anticipate final report September 2009.



# Comprehensive Plan



- **Description:** Develop a long-range plan to be utilized as a policy guide for the future growth and development of Tomball. The Plan will address land use, transportation, infrastructure, open space, etc. and develop goals, objectives and criteria for growth.
- **FY 08-09 Budget:** \$300K
- **FY 10-13 Budget:** No Future Funding Required
- **Progress:** Project consultant retained 10/20/08. Project initiation and framework assessment has been completed. Visioning Process began in January 2009. Estimated project completion date and final report: December 2009. For additional information visit the website, <http://www.plantomball.com/index.html>

# Major Thoroughfare Plan



- **Description:** The Major Thoroughfare Plan is a planning tool to identify new roadway connections and existing infrastructure. It identifies a classification system designating the role of major routes in the transportation network. The classifications serve defined needs with balance between movement and access. It also provides authority to request right-of-way (ROW) dedication.
- **Progress:** The Major Thoroughfare Plan was completed. Council approved on the second reading by ordinance No. 2009-08.



# Major Thoroughfare Plan

**City of Tomball Major Thoroughfare Roadway Classification Hierarchy**

Roadway Classification	Minimum Right-of-Way Width (feet)	Number of Lanes	Divided (D)/ Undivided (U)	Pavement Width (feet, F-F)	Median Width (feet, F-F)	Description
State Highway (SH /FM)	Varies	4-8	D or U	Varies	Varies	The main purpose of State Highways and FM Roadways is to move large volumes of traffic through urban areas and provide direct access to local freeways, while also providing controlled access to adjacent businesses.
Major Arterial	100 - 120*	4	D	24	32	Major arterials provide support and relief to the SH and FM roadways by providing additional east-west and/or north-south routes designed to accommodate high traffic volumes.
Minor Arterial	80	4	D	24	14	Minor Arterials distribute traffic from SH/FM roadways and Major Arterials to the Collector system and to adjacent land uses. Found in areas of significant traffic movement (industrial parks, retail centers, etc.)
Collector	60	2	U	40	N/A	Collect traffic from local areas and distribute it to the arterial network. Typically accommodates 2 lanes of traffic and on-street parking along both sides of the roadway. For higher traffic roadways, a four-lane section is possible.

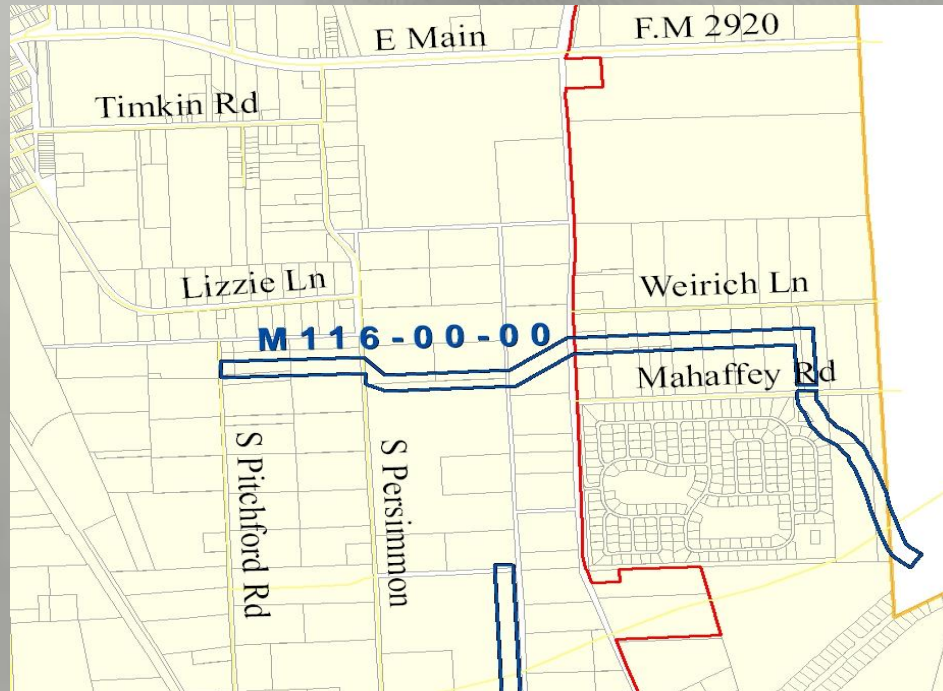
# 10 Year Master Plan



- **Description:** The 10 Year Master Plan is a planning tool to estimate growth within the city limits and ETJ from 2007 to 2017 and at ultimate buildout. This helps determine the infrastructure needs to accommodate growth and estimate the cost and impact fees related to the infrastructure improvements.
- **Progress:** The 10 Year Master Plan was presented and accepted by the City Council on June 1, 2009. Impact fees were established for water, sanitary, and storm drainage through Ordinance 2009-12.

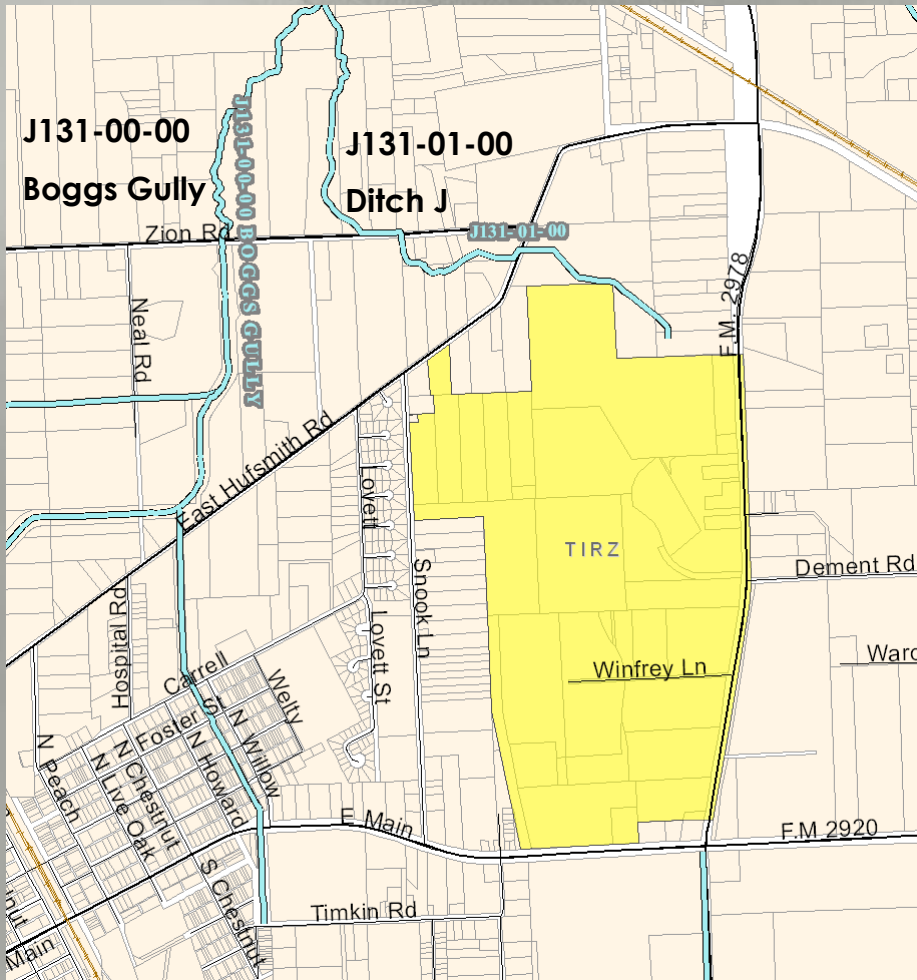


# M116 Drainage Channel



- Description: The M116-00-00 basin generally occupies an easterly section of Tomball and an area south of FM 2920, east of the Railroad tracks and north of M118 basin. Project to provide recommendations for channel improvements that may reduce/eliminate the need for on-site detention.
- FY 09-13 Budget: No funds have been allocated
- Progress: None

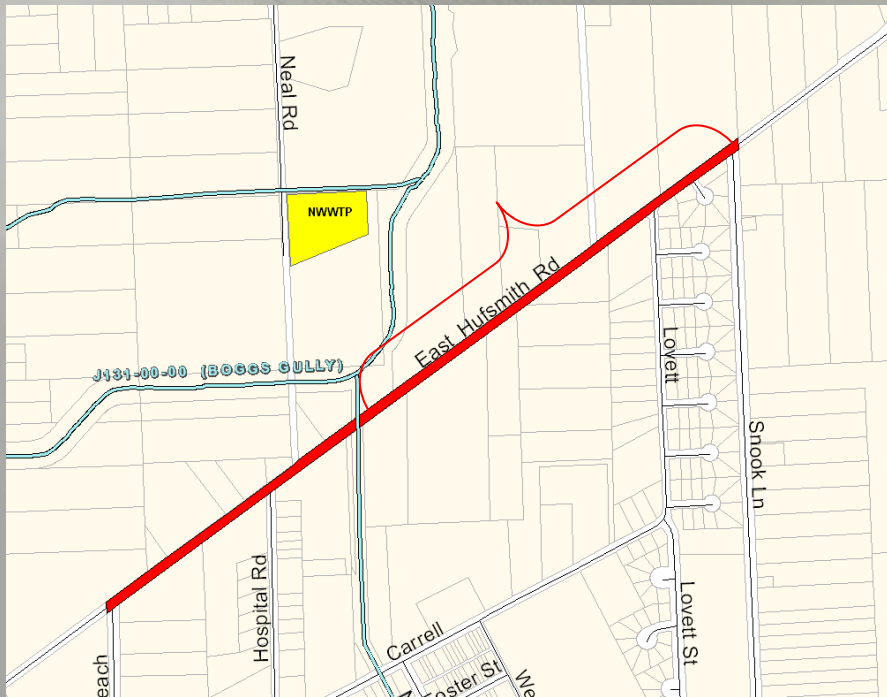
# J131-01-00 Drainage Channel



- Description: Project provides the design recommendations for J131-01-00 (Ditch J) from Winfrey Lane to Boggs Gully (8,000'+) to alleviate conditions that create localized flooding.
- FY 09-13 Budget: No funds have been allocated
- Progress: None



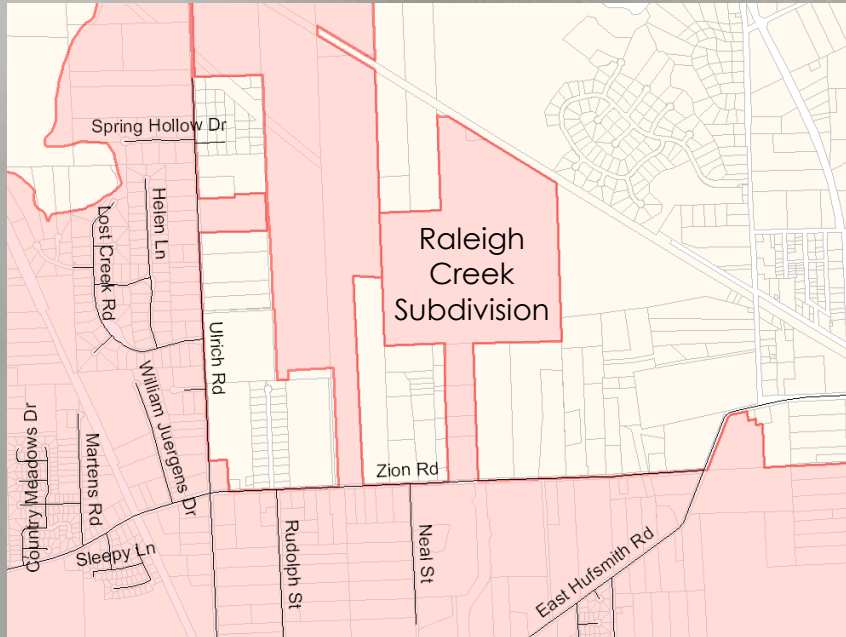
# Hufsmith Sewer Improvements



- Description: Provides sanitary sewer improvements along East Hufsmith from J-131 to Snook.
- FY 09-13 Budget: No funds have been allocated

- Progress: The project was to be a joint effort with Developer (TIRZ). City is responsible for easement preparation and acquisition. Metes and bounds have been completed. Consultant to complete appraisal by August 2009. City to commence with land acquisition upon availability of funding. Developer to provide design plans (preliminary plans were previously submitted and comments delivered in November 2007). This project is Developer driven and associated with TIRZ. No progress has been noted by Developer.

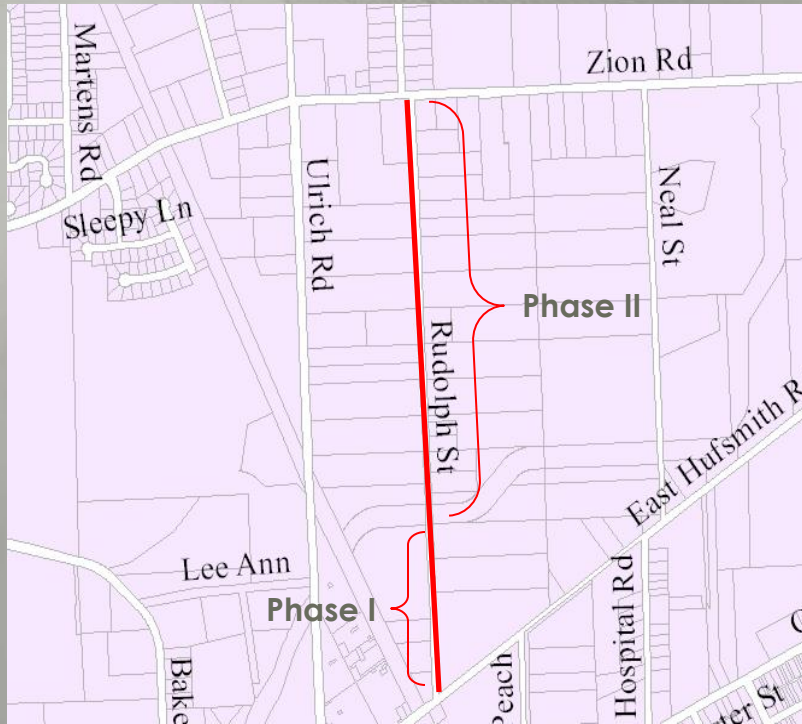
# Neal Street Utilities



- **Description:** Neal St. Utilities improvements include water and sewer extensions to service the future Raleigh Creek Subdivision. A waterline is to be extended along Zion Rd. A larger sanitary sewer line will be extended from the NWTP, along Neal St. and Zion Rd. to the proposed Raleigh Creek Subdivision. ROW and easements need to be acquired on Neal St. and Zion Rd.
- **FY 09-13 Budget:** No funds have been allocated
- **Progress:** A preliminary progress meeting occurred with the Developer's Consultant on 11/07. A timeline schedule for design completion has been requested. The project is Developer driven and funded. The engineer of record opinion of cost for utility extension is \$610K. In addition the utility extension will require 8 easements appraisal and acquisition, bringing the estimated project cost to \$968,405.24.



# Rudolph Road & Utilities



- **Description:** The Rudolph Rd. Utilities improvements project includes land acquisition and providing street and utility improvements to current standards as a collector street. The majority of the street is substandard with limited to no utilities within a 30' ROW.
- **FY 08-09 Budget:** \$209K
- **FY 09-10 Budget:** \$0
- **FY 10-11 Budget:** \$140K
  - Land - \$200K
  - Design - \$100K
  - Construction \$600K
  - Total - \$900K

● **Progress:** Proposal negotiated with Consultant for PER for Rudolph (both Phases). A Professional Services contract was executed in 12/07 to perform the necessary surveying and prepare the individual metes and bounds descriptions for utility easements and ROW dedications. The PER is scheduled to be completed by December 2009. Based on the approved PER, the Consultant will perform the final design of Phase I. An agreement was executed between COT and TEDC for \$300K to aid in the construction of Phase I. Additionally, an agreement between the COT and a developer was executed under which the developer has agreed to contribute \$30K for the construction of Phase I. These contributions made it possible to begin this project prior to FY 10-11, as originally planned in the 07-08 CIP. The PER is 95% complete.

# Water Well #5

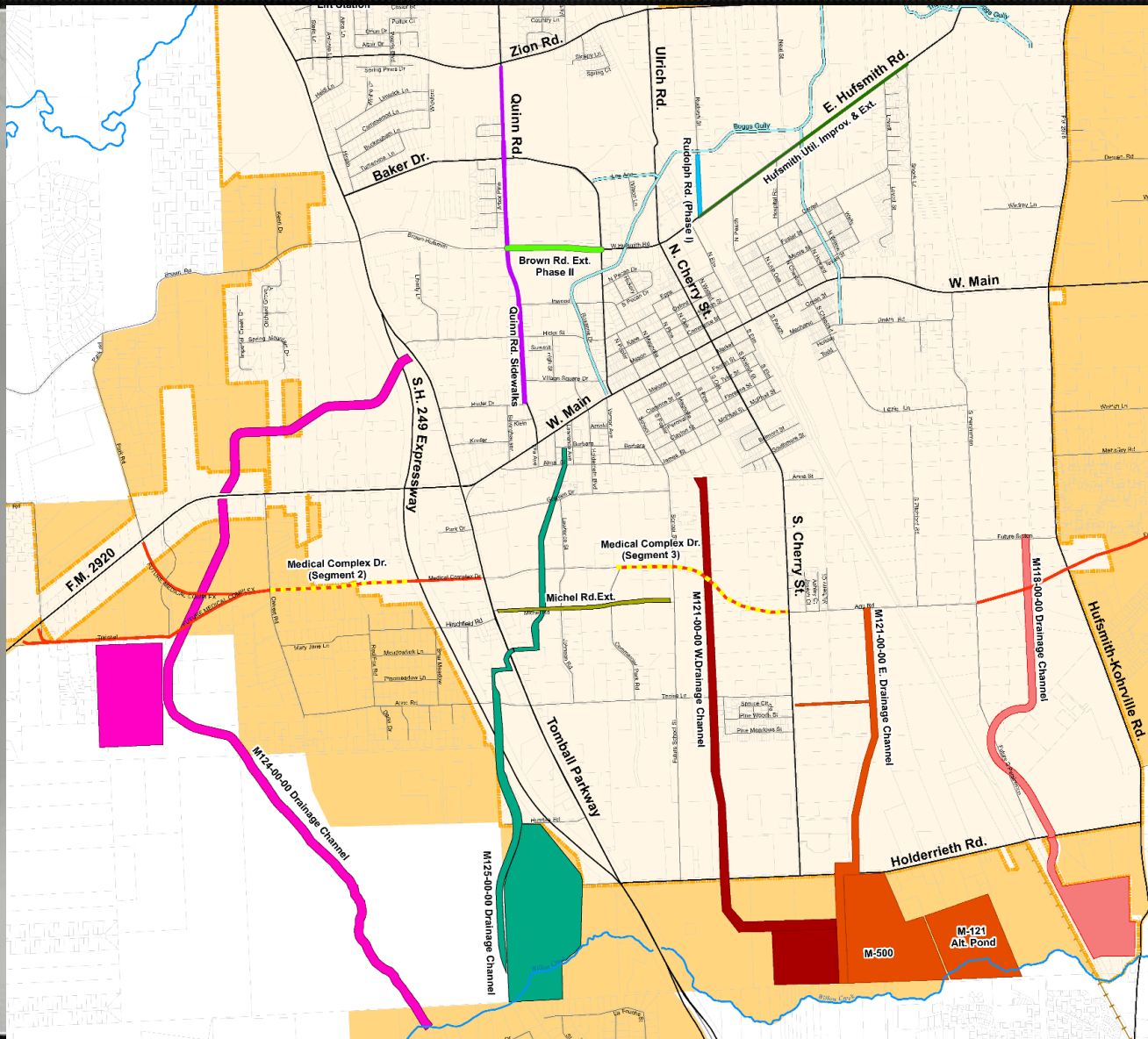


- **Description:** City of Tomball needs to secure additional public water supply and distribution capacity. The City's 2002-12 Infrastructure Master Plan identifies providing a large capacity water source prior to 2012, to satisfy TCEQ's minimum water system capacity requirements for the projected population growth.
- **FY 07-08 Budget:** \$3.84M
- **FY 08-09 Budget:** \$0 (Accounting Department to utilize carry over and cash available funding)
- **Progress:** PER was completed 02/08. A 2.952 acre site appraisal was completed and the site acquired, along with a 10' wide water line easement, and a 20' wide utility easement. Final design was completed March 2009. Notice to Proceed was issued June 29, 2009. Project was bid and awarded to Schier Construction Co., Inc. for \$3,150,600, with a timeline of 306 calendar days.



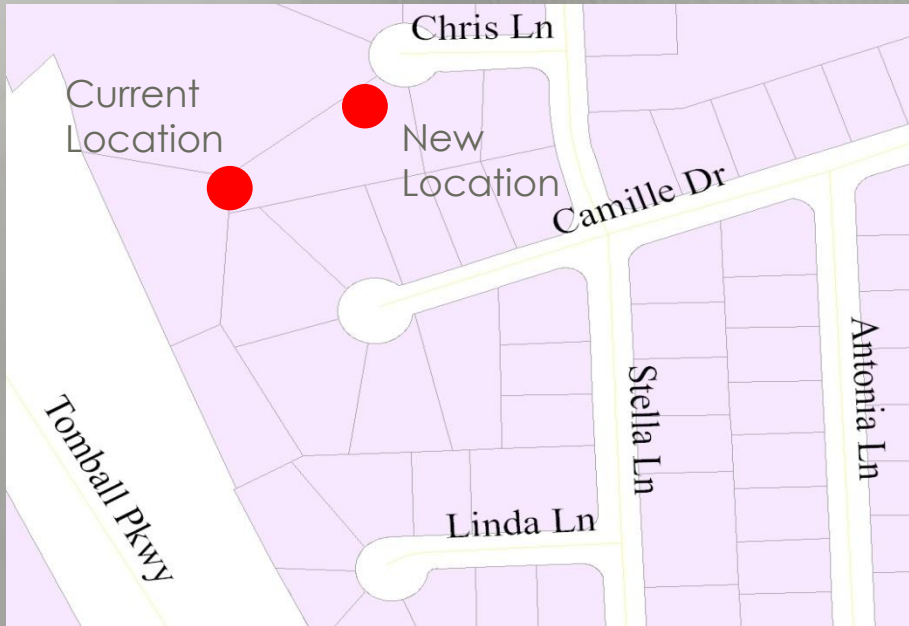
# Proposed Projects

# CIP Projects FY10-FY14



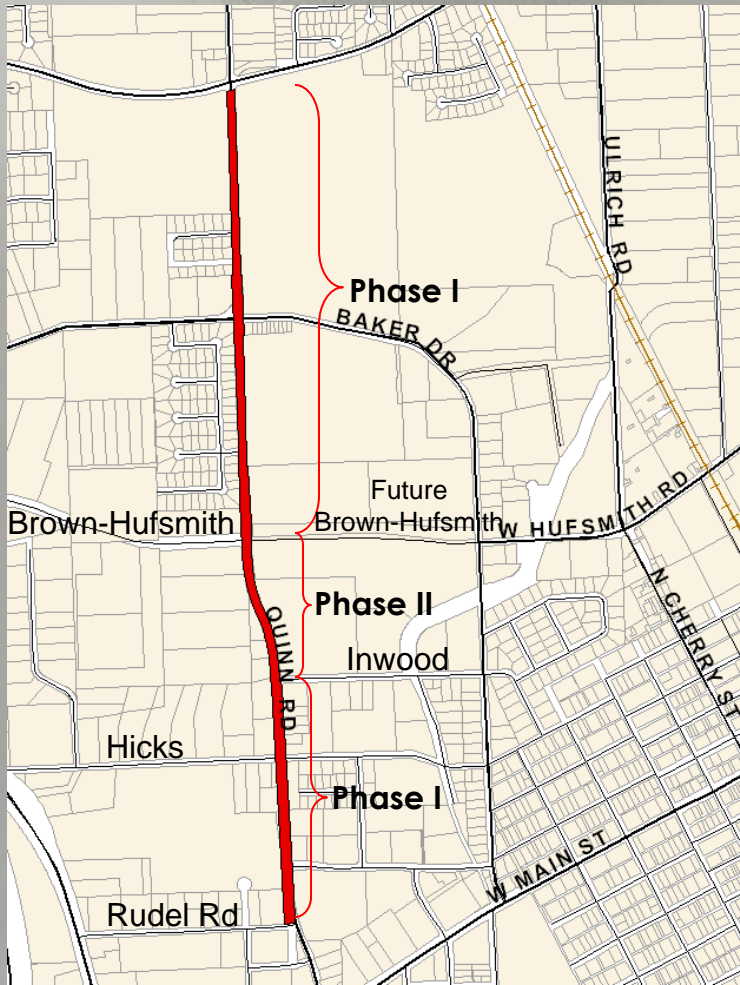


# Tomball Hills Lift Station



- **Description:** The Tomball Hills sanitary sewer lift station was constructed in the mid 1970's to collect sanitary sewer for all of the adjacent subdivision and Lonestar Community College. The lift station was constructed within the floodplain and during increased storm water events is submerged. The lift station requires redesign and relocation consideration to meet TCEQ requirements.
- **FY 09-10 Budget:**
  - Design - \$60K
  - Land - \$70K
  - Other - \$70K
  - Construction - \$300K
- **Progress:** A contract was executed with a Consultant to prepare the final design on May 22, 2009. The term of the contract is 120 calendar days. The Engineer's opinion of cost is \$430K. The PER identified the property to be acquired and recommended alternatives. The PER is complete and was accepted May 11, 2009. Design is 25% complete. Project requires acquisition of one vacant residential lot.

# Quinn Road Improvements



- **Description:** The Quinn Rd. improvements project includes utility and sidewalk improvements. The project limits extend from Rudel Rd. north to Zion Rd. Quinn is a major north – south collector roadway for the City and provides access to three Tomball ISD campuses.
- **FY 09-10 Budget:**
  - Land - \$22K
  - Other - \$100K
  - Construction - \$550K
- **Progress:** Final design was completed in May 2009. The Engineer's opinion of cost is \$550K. Six (6) easements have been acquired and Six (6) easements of land have to be acquired.



# M121 Drainage Channels

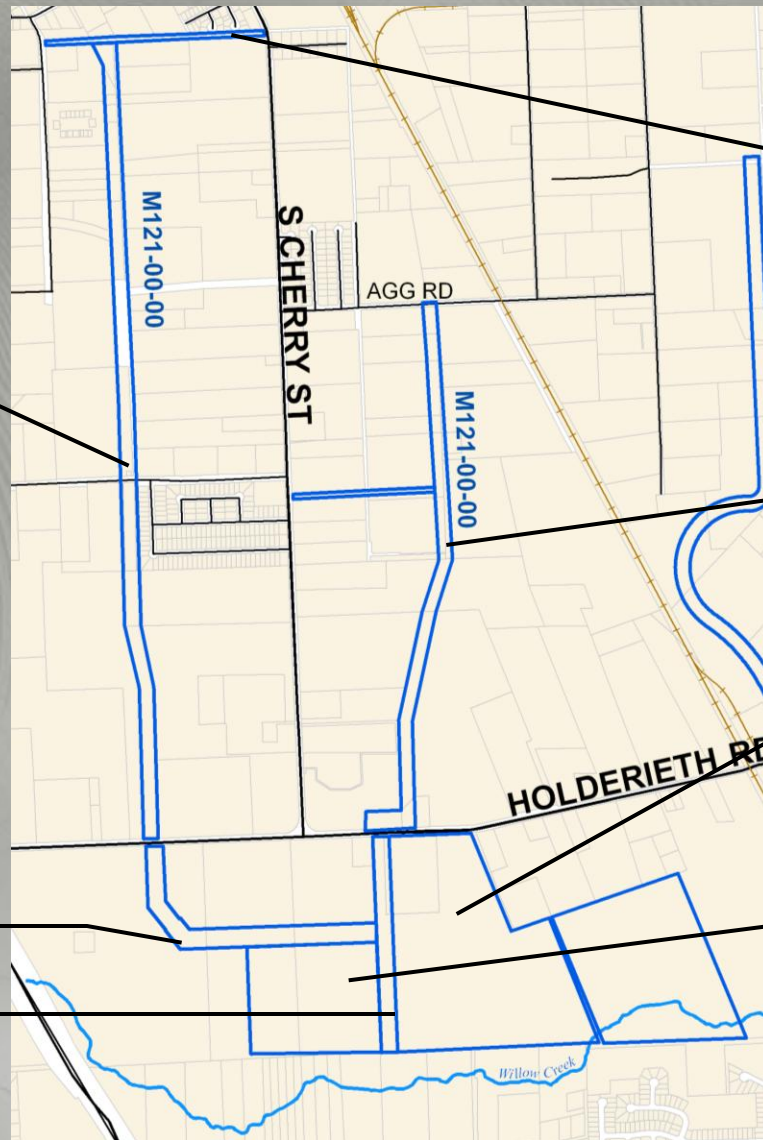
- **Description:** The M121 basin consists of two drainage channels, i.e. 121W & 121E, and an associated detention pond, serving a central area of Tomball. Project to alleviate conditions that cause localized flooding and eliminate on-site detention.

- |                         |                | M121 West | M121 East |
|-------------------------|----------------|-----------|-----------|
| <u>FY 09-10 Budget:</u> | Design -       | \$300K    | \$300K    |
|                         | Land -         | \$970K    |           |
| <u>FY 10-11 Budget:</u> | Other -        | \$1.4M    | \$580K    |
|                         | Construction - | \$8.7M    |           |

- **Progress:** A portion of the M121 East channel was constructed by a Private Developer (Hometowne at Tomball). Portions of the M121 West channel have been constructed by various Private Developers. Major portion of the M500 pond excavated by HCFCD is nearing completion. A portion of M121 East ROW was obtained through the development of Hometowne at Tomball. Additional ROW north of the development will have to be acquired. ROW required for outfall channels south of Holderrieth. All of the M121 West ROW north of Holderrieth has been obtained. ROW south of Holderrieth has to be acquired.

A contract was executed with a Consultant to prepare the PER on the balance of the channels. The PER will establish the alignment south of Holderrieth for M121 West, the alignment north of Hometowne at Tomball for M121 East, the detention requires, and the construction cost estimate. The PER is 95% complete.

# M121 East & West Drainage Channel



M121 W  
ROW Acquired

Hardin Ditch  
ROW Acquired

M121 E ROW to  
be Acquired

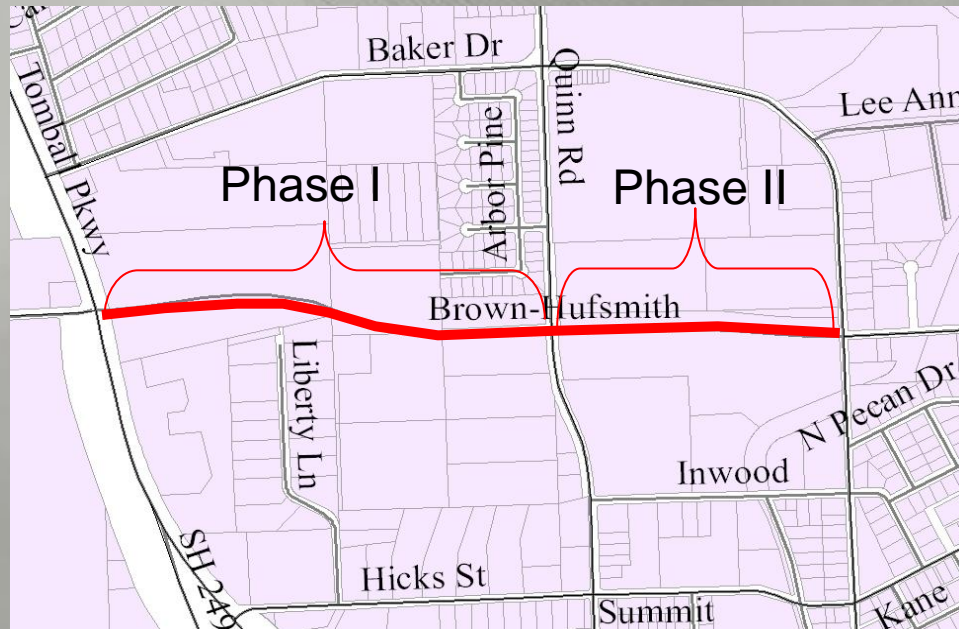
M500 Pond ROW  
obtained by HCFC

Future Pond(s) ROW to  
be obtained by HCFC

Outfall Channels  
ROW to be obtained  
by HCFC



# Brown-Hufsmith Road Extension



- Progress:

- Phase II design proposal, including utilities, was approved by City Council on April 20, 2009 for \$200,054.00 . The contract term is 180 calendar days. Design is \_\_\_% complete. ROW to be acquired.

- Description: Brown-Hufsmith Road extension includes street improvements from SH 249 to Baker. Phase I includes from SH 249 to Quinn, and Phase II includes from Quinn to Baker. Phase I is a joint project with TxDOT. Phase II will provide the City's major east-west corridor on the north side of FM 2920.

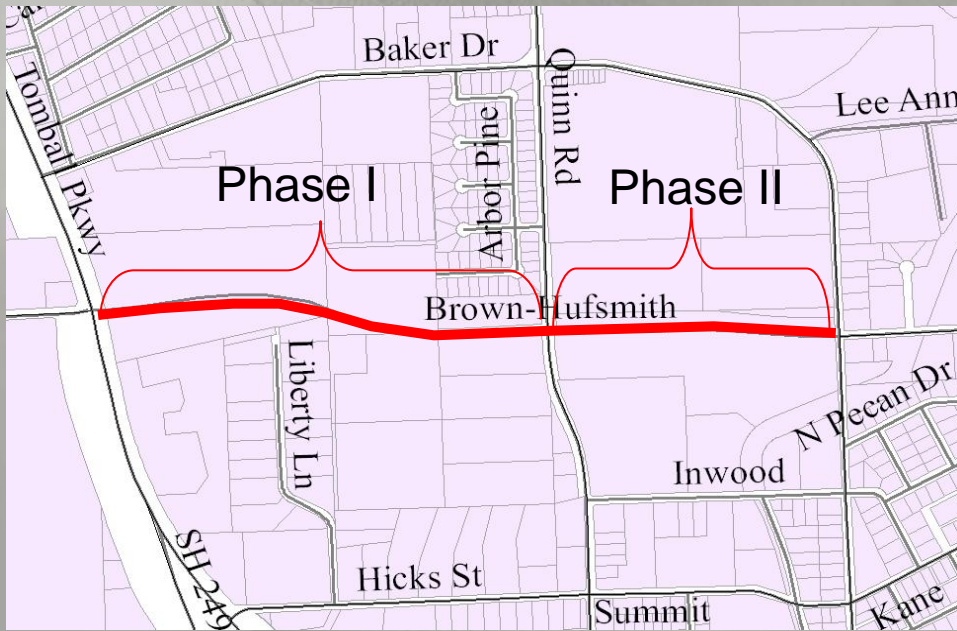
- FY 09-10 Budget:

- Design - \$50K
- Land - \$300K

- FY 10-11 Budget:

- Other - \$200K
- Construction -\$950K

# Brown-Hufsmith Utilities

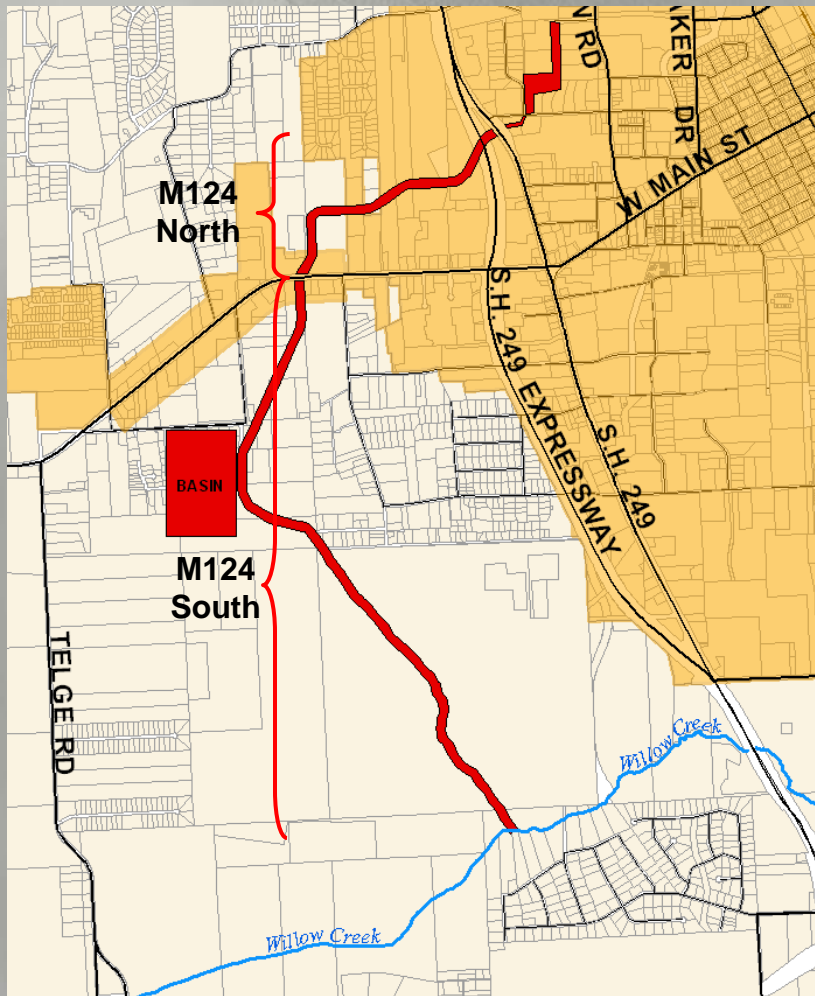


- Description: Provides utility improvements along Brown Road, including water, sewer and gas. Phase I includes constructing 12" water, 10" sanitary and 4" gas. In addition, sidewalks and utility improvements along Quinn from Inwood to the north side of Brown Road were included.

- FY 09-11 Budget: \$0 (Phase II) Included in Brown-Hufsmith Road Extension

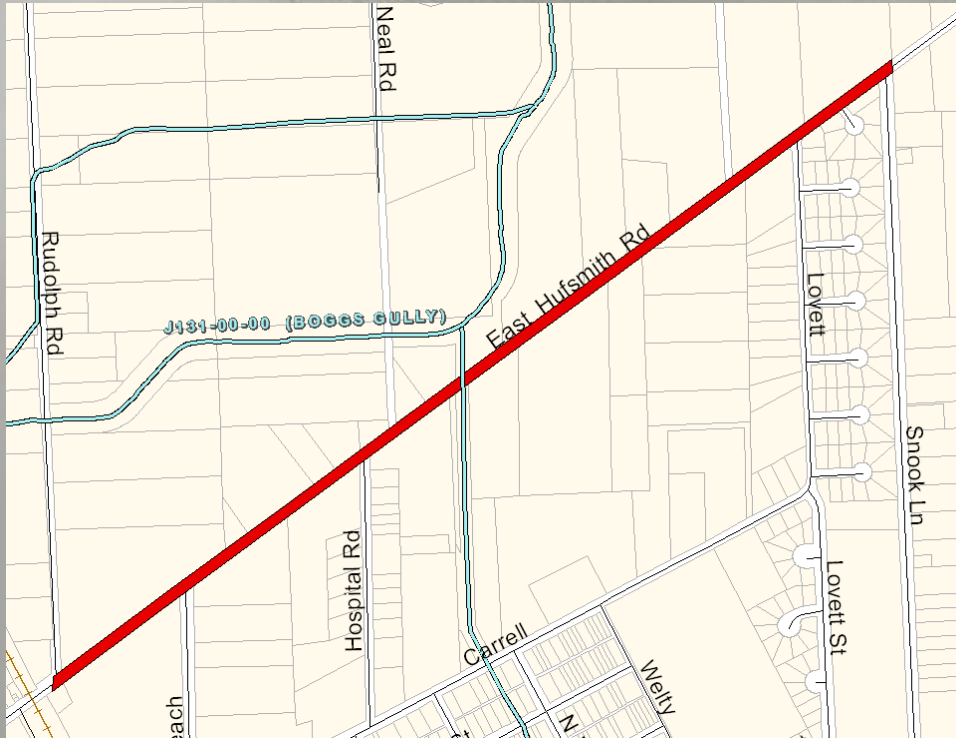


# M124 Channel



- **Description:** The M124 basin occupies a major portion of the westerly area of Tomball, outfalling to Willow Creek. Project to provide relief drainage system and reduce and/or eliminate on-site detention. The project has been divided into M124 North, described as area north of FM 2920 to SH 249, and M124 South, described as area south of FM 2920.
- **FY 09-10 Budget:** Design - \$1.1M
- **FY 10-11 Budget:** Land - \$1.0M
- **FY 11-12 Budget:** Land - \$1.0M  
Other - \$200K
- **Progress:** The PER with alternative analysis and recommendations was completed and approved November 2008. The final design contract will have to be negotiated with the consultant and ROW acquired for 67 acre detention pond.

# Hufsmith Water & Gas Improvements



- Description: The Hufsmith water and gas improvements include 12" water line and 4" gas lines from Rudolph to Snook.

- FY 10-11 Budget:

- Land - \$590K

- FY 11-12 Budget:

- Design - \$30K

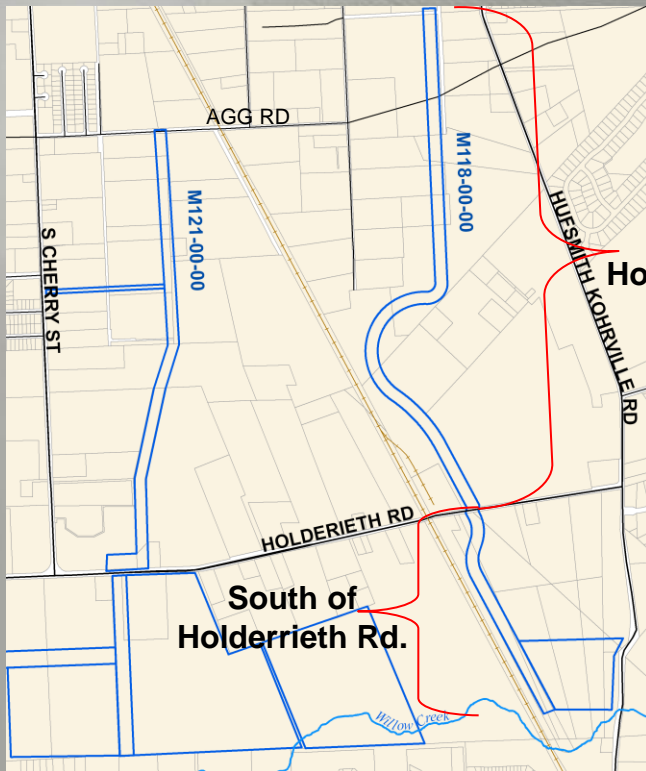
- Other - \$100K

- Construction - \$750K

- Progress: A contract was executed with a Consultant to complete the final design and develop the metes and bounds descriptions for easement acquisition. The project design is expected to be completed by November 25, 2009. E&P recognizes this project as a critical needs project. The Engineer's opinion of cost is \$880K. There are an estimated 22 easements to be acquired. Design is 95% complete.



# M118 Drainage & Detention Basin



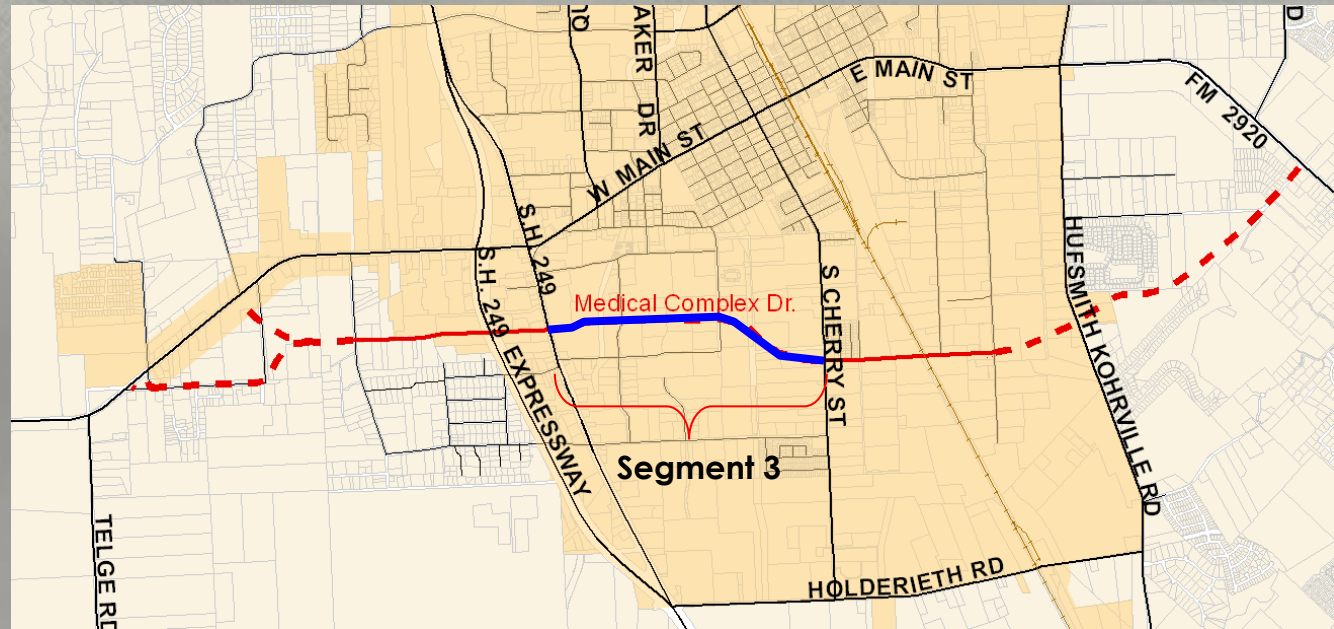
- **Description:** The M118 drainage basin occupies the southeasterly area of Tomball, south of the M116 basin, east of the railroad tracks, west of Hufsmith-Kohrville, to Willow Creek. Project to provide relief drainage system and reduce or eliminate on-site detention.
- **South of Holderrieth Rd.**  
FY 09-10 Budget:  
Design - \$580K  
Other - \$200K  
Construction - \$2.9M
- **North of Holderrieth Rd.**  
FY 10-11 Budget: Design - \$180K  
FY 11-12 Budget: Land - \$980K

● **Progress:** A contract was executed with a Consultant to prepare the PER on the balance of channel & pond. A significant portion of pond has been excavated in prior years. All ROW has been acquired south of Holderrieth. No ROW has been acquired north of Holderrieth.

The PER will establish alignment, construction cost estimate, and ROW acquisition required. The PER is 95% complete.

# Medical Complex Dr. Extension

## SEGMENT 3

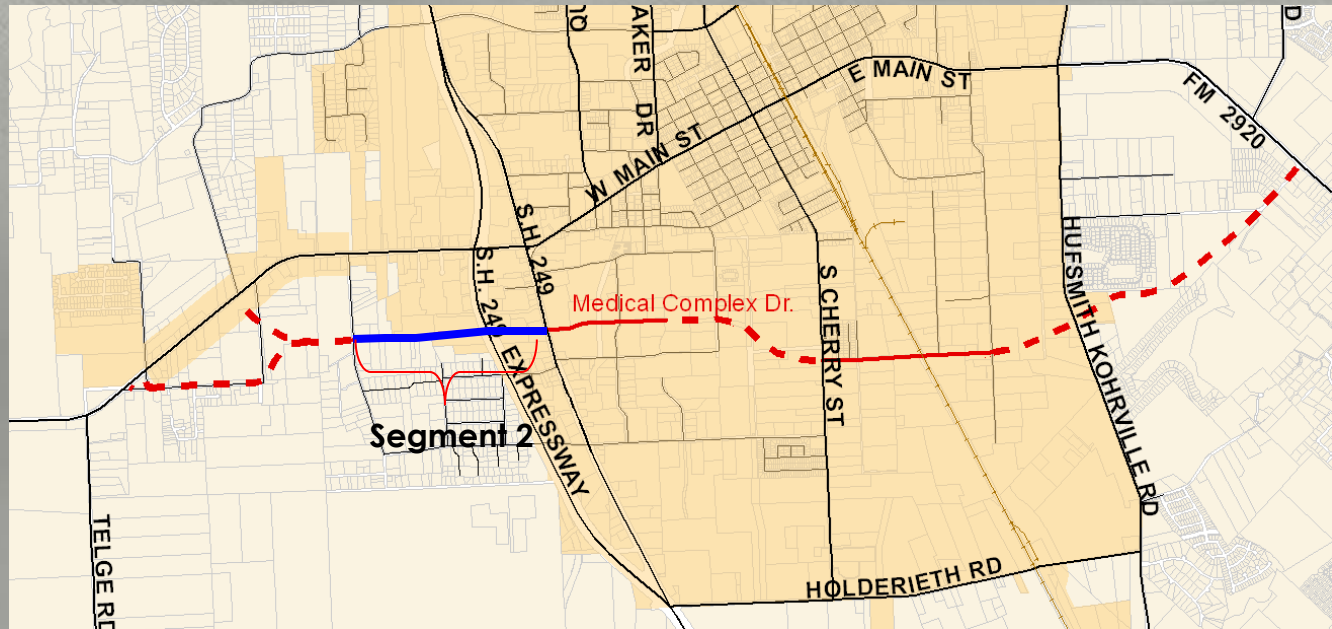


- **Description:** Segment 3 of the proposed Medical Complex Corridor commences at SH 249 Business and continues easterly to South Cherry St. Medical Complex Corridor is depicted on the COT's Major Thoroughfare Plan as a major east-west connector to FM 2920 (east & west of Tomball).
- **FY 09-10 Budget:** Design - \$879K                      Land - \$800K
- **FY 11-12 Budget:** Other - \$ 200K                      Construction - \$4.4M
- **Progress:** The Preliminary Engineering Report (PER) was accepted by City Council July 6, 2009. The PER established the corridor, set alignment, construction cost estimate, and ROW acquisition required.



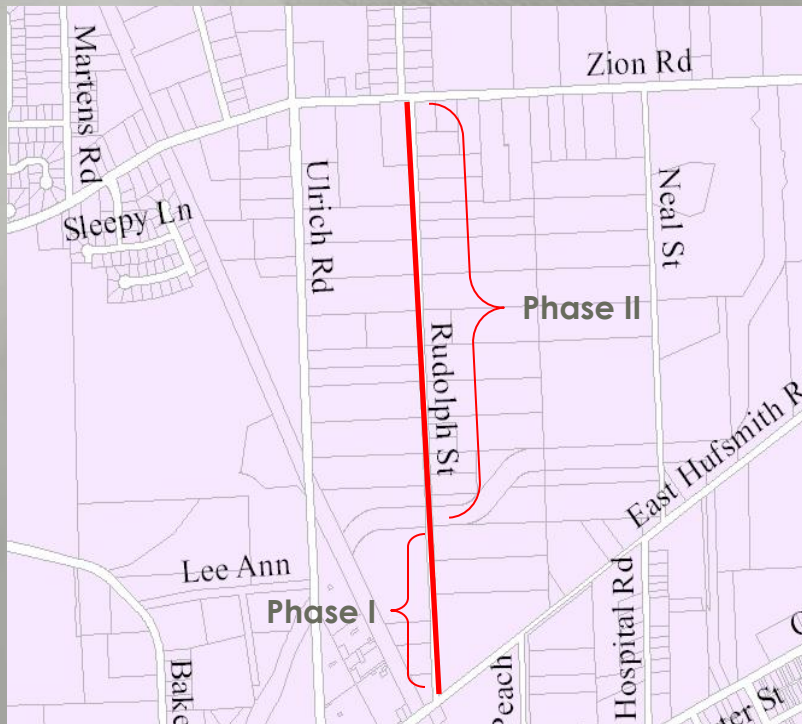
# Medical Complex Dr. Extension

## SEGMENT 2



- **Description:** Segment 2 of the proposed Medical Complex Corridor commences at Calvert Rd and continues easterly to SH 249 Business. Medical Complex Corridor is depicted on the COT's Major Thoroughfare Plan as a major east-west connector to FM 2920 (east & west of Tomball).
- **FY 09-10 Budget:** Land - \$950K
- **Progress:** The Preliminary Engineering Report (PER) was accepted by City Council July 6, 2009. The PER established the corridor, set alignment, construction cost estimate, and ROW acquisition required.

# Rudolph Road & Utilities



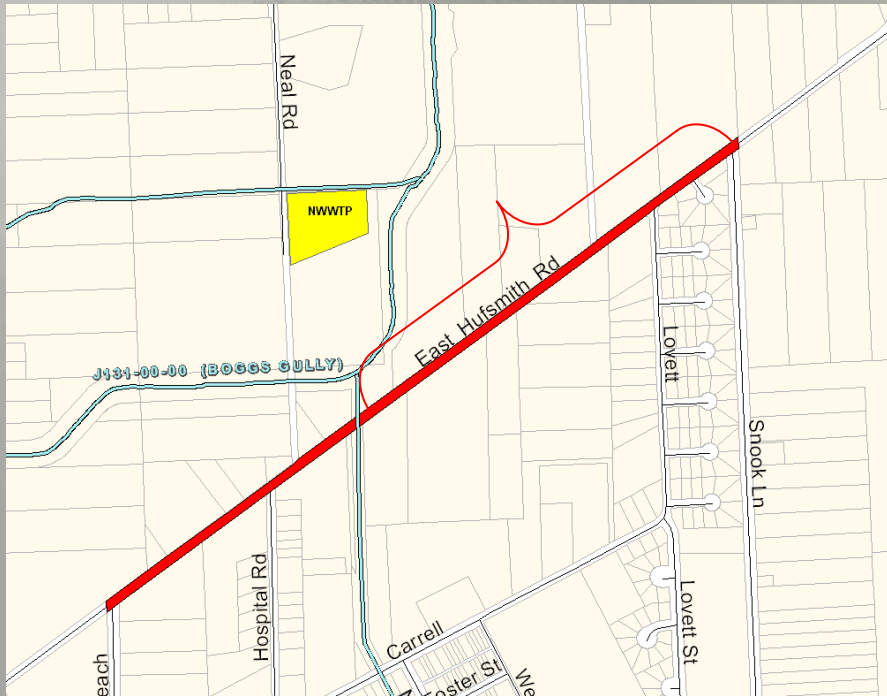
- **Description:** The Rudolph Rd. Utilities improvements project includes land acquisition and providing street and utility improvements to current standards as a collector street. The majority of the street is substandard with limited to no utilities within a 30' ROW.

- **Phase I**  
**FY 09-10 Budget:**  
Design - \$50K  
Other - \$200K  
Construction - \$1.7M

- **Progress:** Proposal negotiated with Consultant for PER for Rudolph (both Phases). A Professional Services contract was executed in 12/07 to perform the necessary surveying and prepare the individual metes and bounds descriptions for utility easements and ROW dedications. The PER is scheduled to be completed by December 2009. Based on the approved PER, the Consultant will perform the final design of Phase I. An agreement was executed between COT and TEDC for \$300K to aid in the construction of Phase I. Additionally, an agreement between the COT and a developer was executed under which the developer has agreed to contribute \$30K for the construction of Phase I. These contributions made it possible to begin this project prior to FY 10-11, as originally planned in the 07-08 CIP. The PER is 95% complete.



# Hufsmith Sewer Improvements



- Description: Provides sanitary sewer improvements along East Hufsmith from J-131 to Snook.

- FY 09-10 Budget:  
Land - \$110K

- Progress: The project was to be a joint effort with Developer (TIRZ). City is responsible for easement preparation and acquisition. Metes and bounds have been completed. Consultant to complete appraisal by August 2009 for seven (7) parcels on the north side of East Hufsmith. City to commence with land acquisition upon available funding. Developer to provide design plans (preliminary plans were previously submitted and comments delivered in November 2007). This project is Developer driven and associated with TIRZ. No progress has been noted by Developer.