



Drainage Master Plan Update



Project: TB01 - N Harvey Mitchell PW Road Overtopping - FNI

Project Type: Flooding **Drainage CIP Ranking:** 60 **Existing Study:** No **TxDot:** Yes
Date Identified: 2007 **Total Weighted Score:** 642 **Panel #:** M07
Date Last Reported: **Project Cost:** \$460,000 **Council District:** 2
Original Cost Year: 2010 **Study File Name:** Thompsons Branch Flood Hazard Study

Description:

This project will include a study to determine the proper size and construction of the culverts. Channel widening and regrading may be necessary.

Justification:

Thompsons Branch overtops N Harvey Mitchell PW by 1.31 feet by the 100-year storm and begins flooding during the 25-year storm. N Harvey Mitchell PW is a principal arterial road. The adjacent land use is agricultural open and commercial. The seven existing undersized culverts are 8'x10'. No houses are located in the floodplain upstream of the culvert and N Harvey Mitchell PW is a TxDOT ROW.

Funding Options:

Funding Source Summary:

| Type | Original | Source | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------------|------------------|------------|------------|------------|------------|------------|------------|
| Stormwater | \$60,000 | Stormwater | \$0 | \$0 | \$0 | \$0 | \$0 |
| Design/Survey | \$60,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |
| Stormwater | \$400,000 | Stormwater | \$0 | \$0 | \$0 | \$0 | \$0 |
| Const | \$400,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | \$460,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |



Ranking Criteria

Life Safety: 7 **Street Flooding:** 7 **Infrastructure Damage:** 4 **Maintenance:** 0
Structures Flooding: 3 **Frequency of Flooding:** 4 **Funding Source:** 0 **Project Cost:** 7
Right-of-Way Availability: 8



Drainage Master Plan Update



Project: TB02 - SH 6 Road Overtopping at Thompsons Branch - FNI

Project Type: Flooding **Drainage CIP Ranking:** 51 **Existing Study:** No **TxDot:** Yes
Date Identified: 2007 **Total Weighted Score:** 684 **Panel #:** J07
Date Last Reported: **Project Cost:** \$517,500 **Council District:** 2
Original Cost Year: 2010 **Study File Name:** Thompsons Branch Flood Hazard Study

Description:

This project will include a study to determine the proper size and construction of the culverts. Channel widening and regrading may be necessary.

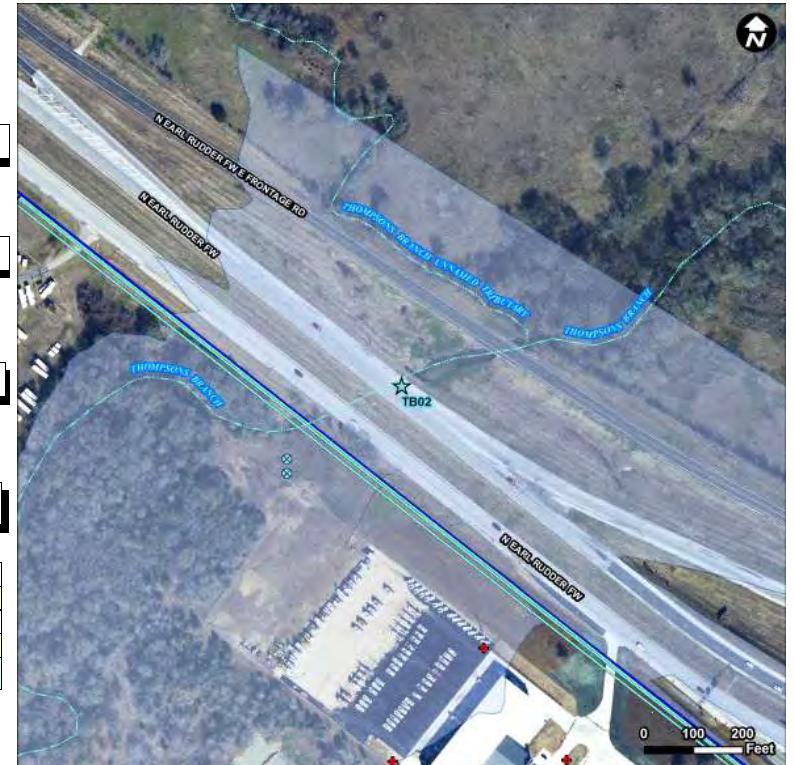
Justification:

Thompsons Branch overtops SH 6 main lanes by 0.96 feet by the 100-year storm. SH 6 is a TxDOT freeway. The adjacent land use is agricultural open and commercial. The four existing undersized culverts are 10'x10'. No houses are located in the floodplain upstream of the culvert.

Funding Options:

Funding Source Summary:

| Type | Original | Source | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------------|------------------|------------|------------|------------|------------|------------|------------|
| Stormwater | \$67,500 | Stormwater | \$0 | \$0 | \$0 | \$0 | \$0 |
| Design/Survey | \$67,500 | | \$0 | \$0 | \$0 | \$0 | \$0 |
| Stormwater | \$450,000 | Stormwater | \$0 | \$0 | \$0 | \$0 | \$0 |
| Const | \$450,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | \$517,500 | | \$0 | \$0 | \$0 | \$0 | \$0 |



Ranking Criteria

| | | | | | | | |
|-----------------------------------|---|-------------------------------|----|-------------------------------|---|----------------------|---|
| Life Safety: | 7 | Street Flooding: | 10 | Infrastructure Damage: | 4 | Maintenance: | 0 |
| Structures Flooding: | 3 | Frequency of Flooding: | 4 | Funding Source: | 0 | Project Cost: | 7 |
| Right-of-Way Availability: | 8 | | | | | | |



Drainage Master Plan Update



Project: TB03 - SH 6 Frontage Road Overtopping at Thompsons Branch - FNI

Project Type: Flooding **Drainage CIP Ranking:** 35 **Existing Study:** No **TxDot:** Yes
Date Identified: 2007 **Total Weighted Score:** 765 **Panel #:** J07
Date Last Reported: **Project Cost:** \$460,000 **Council District:** 2
Original Cost Year: 2010 **Study File Name:** Thompsons Branch Flood Hazard Study

Description:

This project will include a study to determine the proper size and construction of the culverts. Channel widening and regrading may be necessary.

Justification:

Thompsons Branch overtops State Highway 6 Frontage Road by 3.92 feet by the 100-year storm and begins flooding during the 10-year storm event. State Highway 6 Frontage Road is a TxDOT freeway. The adjacent land use is agricultural open and commercial. The two existing undersized culverts are 10'x10'. No houses are located in the floodplain upstream of the culvert.

Funding Options:

Funding Source Summary:

| Type | Original | Source | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------------|------------------|------------|------------|------------|------------|------------|------------|
| Stormwater | \$60,000 | Stormwater | \$0 | \$0 | \$0 | \$0 | \$0 |
| Design/Survey | \$60,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |
| Stormwater | \$400,000 | Stormwater | \$0 | \$0 | \$0 | \$0 | \$0 |
| Const | \$400,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | \$460,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |



Ranking Criteria

Life Safety: 10 **Street Flooding:** 7 **Infrastructure Damage:** 7 **Maintenance:** 0
Structures Flooding: 3 **Frequency of Flooding:** 4 **Funding Source:** 0 **Project Cost:** 7
Right-of-Way Availability: 8



Drainage Master Plan Update



Project: TB04 - Mumford Road Overtopping - FNI

Project Type: Flooding **Drainage CIP Ranking:** 41 **Existing Study:** No **TxDot:** No
Date Identified: 2007 **Total Weighted Score:** 722 **Panel #:** K07
Date Last Reported: **Project Cost:** \$460,000 **Council District:** 2
Original Cost Year: 2010 **Study File Name:** Thompsons Branch Flood Hazard Study

Description:

This project will include a study to determine the proper size and construction of the culverts. Channel widening and regrading may be necessary.

Justification:

Thompsons Branch overtops Mumford Road by 3 feet by the 100-year storm and begins flooding during the 25-year storm. Mumford Road is a collector street. The adjacent land use is agricultural open and commercial. The five existing undersized culverts are 7'x11' RCBs. No houses are located in the floodplain upstream of the culvert.

Funding Options:

Funding Source Summary:

| Type | Original | Source | 2011 | 2012 | 2013 | 2014 | 2015 |
|----------------------|------------------|------------|------------|------------|------------|------------|------------|
| Stormwater | \$60,000 | Stormwater | \$0 | \$0 | \$0 | \$0 | \$0 |
| Design/Survey | \$60,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |
| Stormwater | \$400,000 | Stormwater | \$0 | \$0 | \$0 | \$0 | \$0 |
| Const | \$400,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |
| Total | \$460,000 | | \$0 | \$0 | \$0 | \$0 | \$0 |



Ranking Criteria

| | | | | | | | |
|-----------------------------------|----|-------------------------------|---|-------------------------------|---|----------------------|---|
| Life Safety: | 10 | Street Flooding: | 2 | Infrastructure Damage: | 7 | Maintenance: | 0 |
| Structures Flooding: | 3 | Frequency of Flooding: | 4 | Funding Source: | 0 | Project Cost: | 7 |
| Right-of-Way Availability: | 10 | | | | | | |