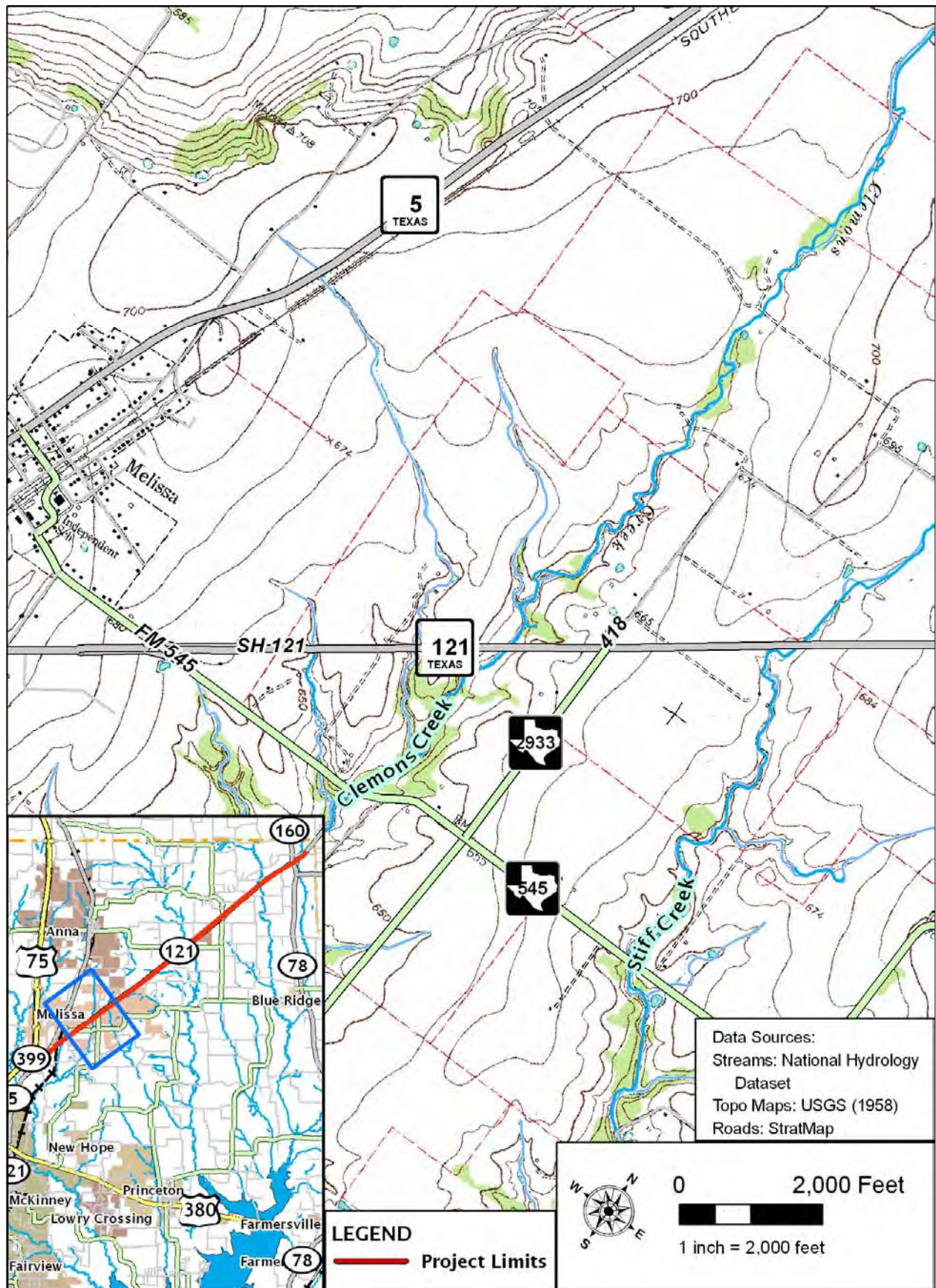


**Figure 2a**  
**USGS Topographic Map 1 of 7**  
**Anna Quad**

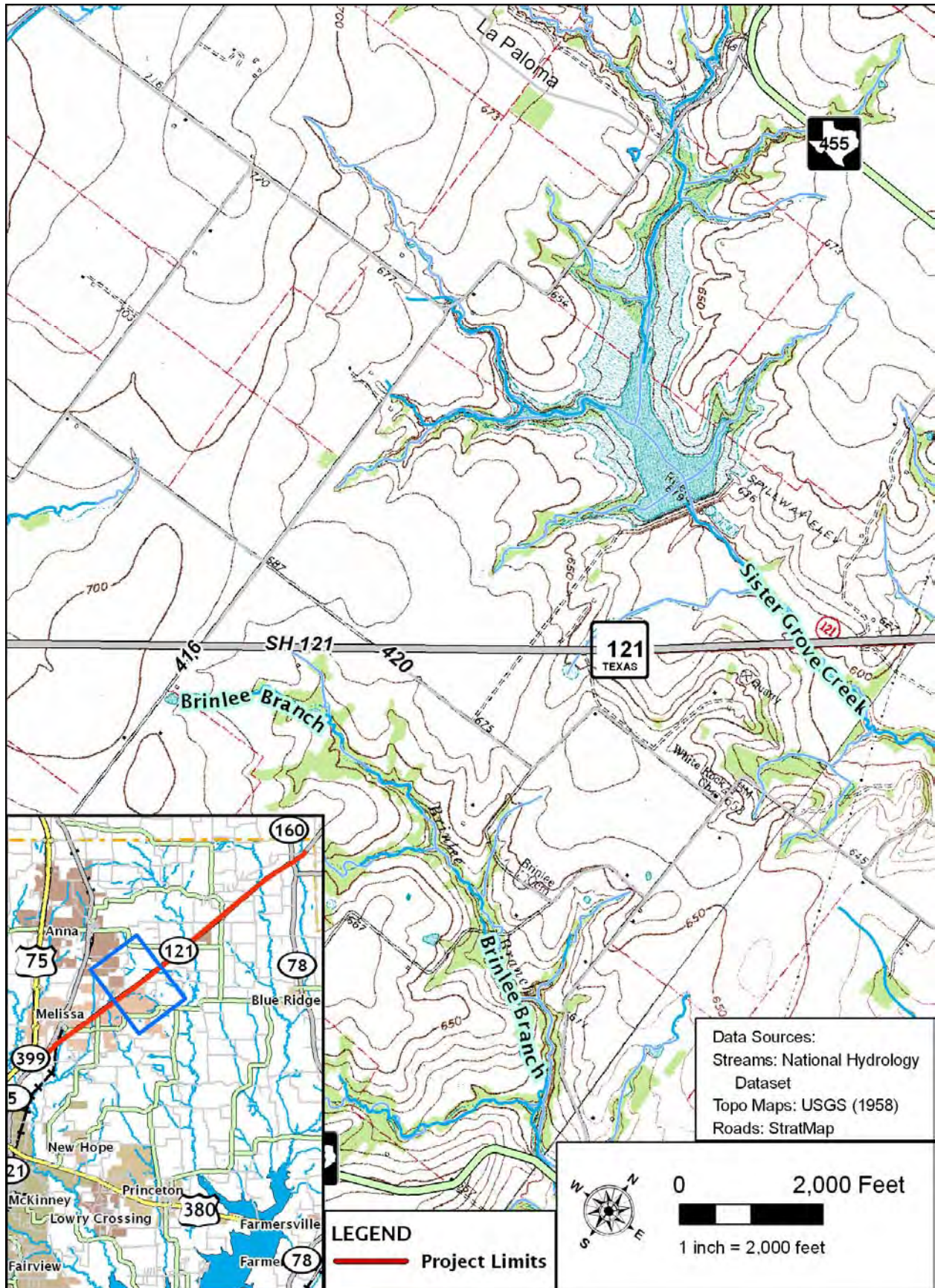
**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**





**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**

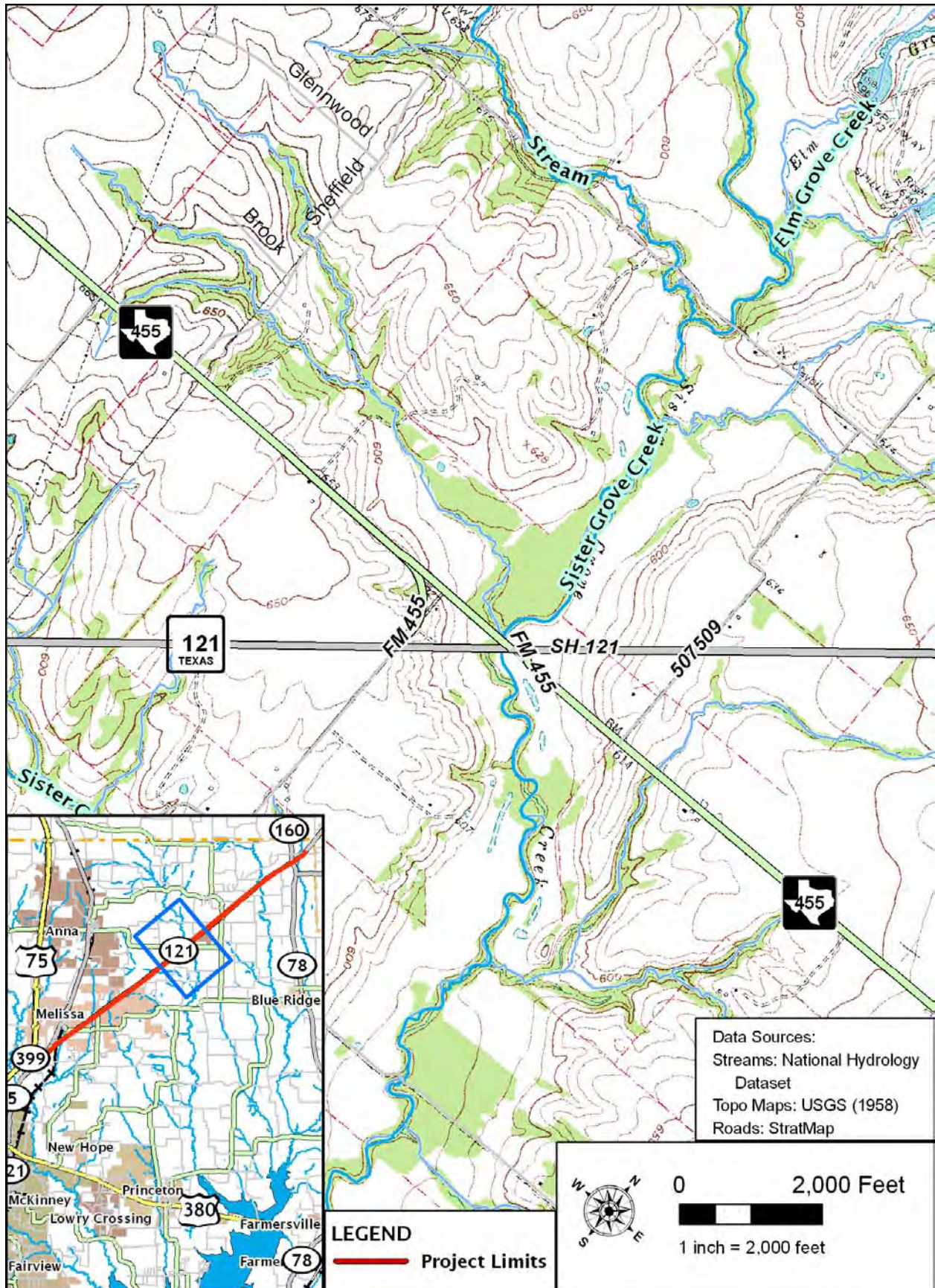




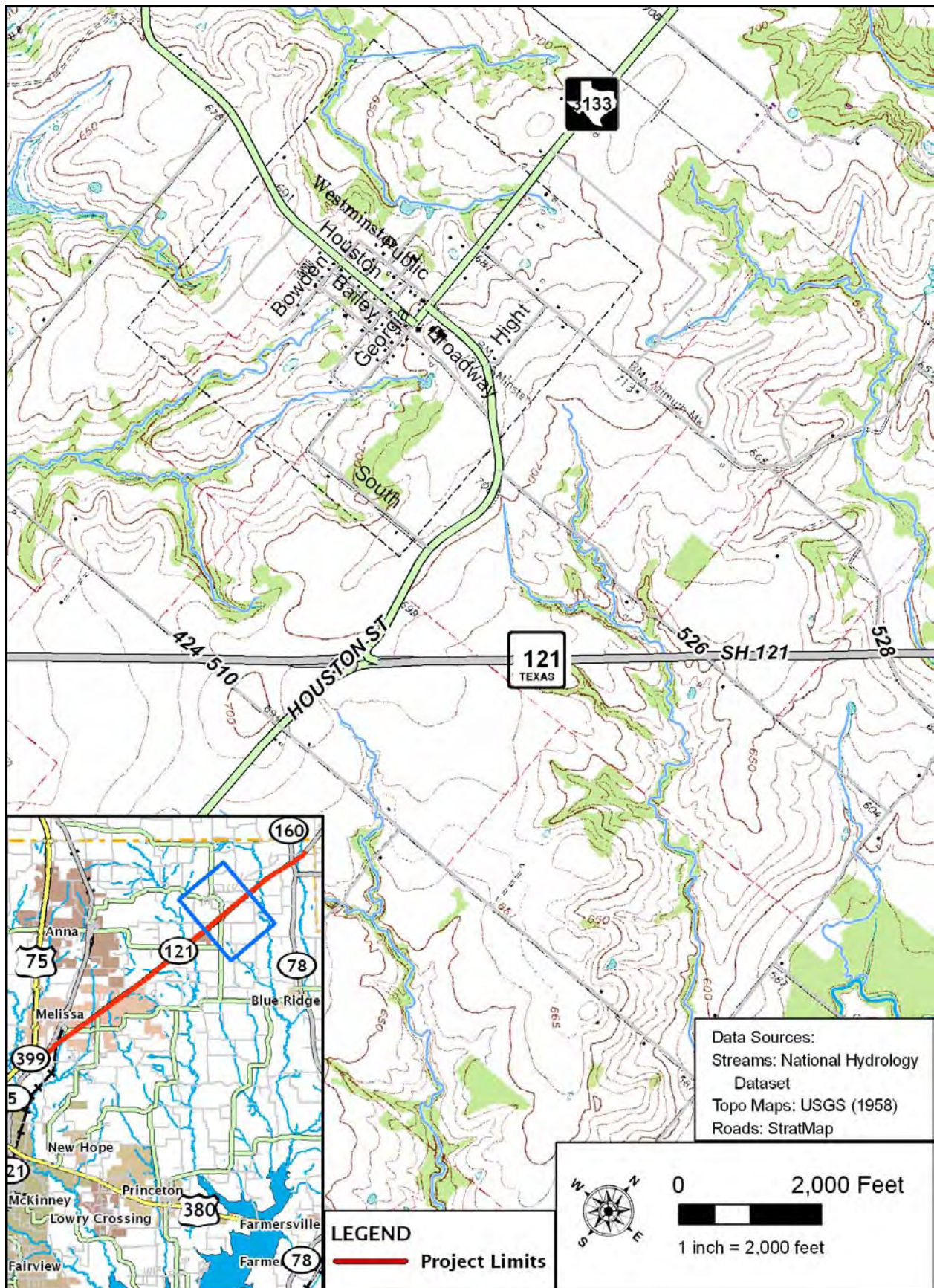
**Figure 2c**  
**USGS Topographic Map 3 of 7**  
**Anna Quad**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**





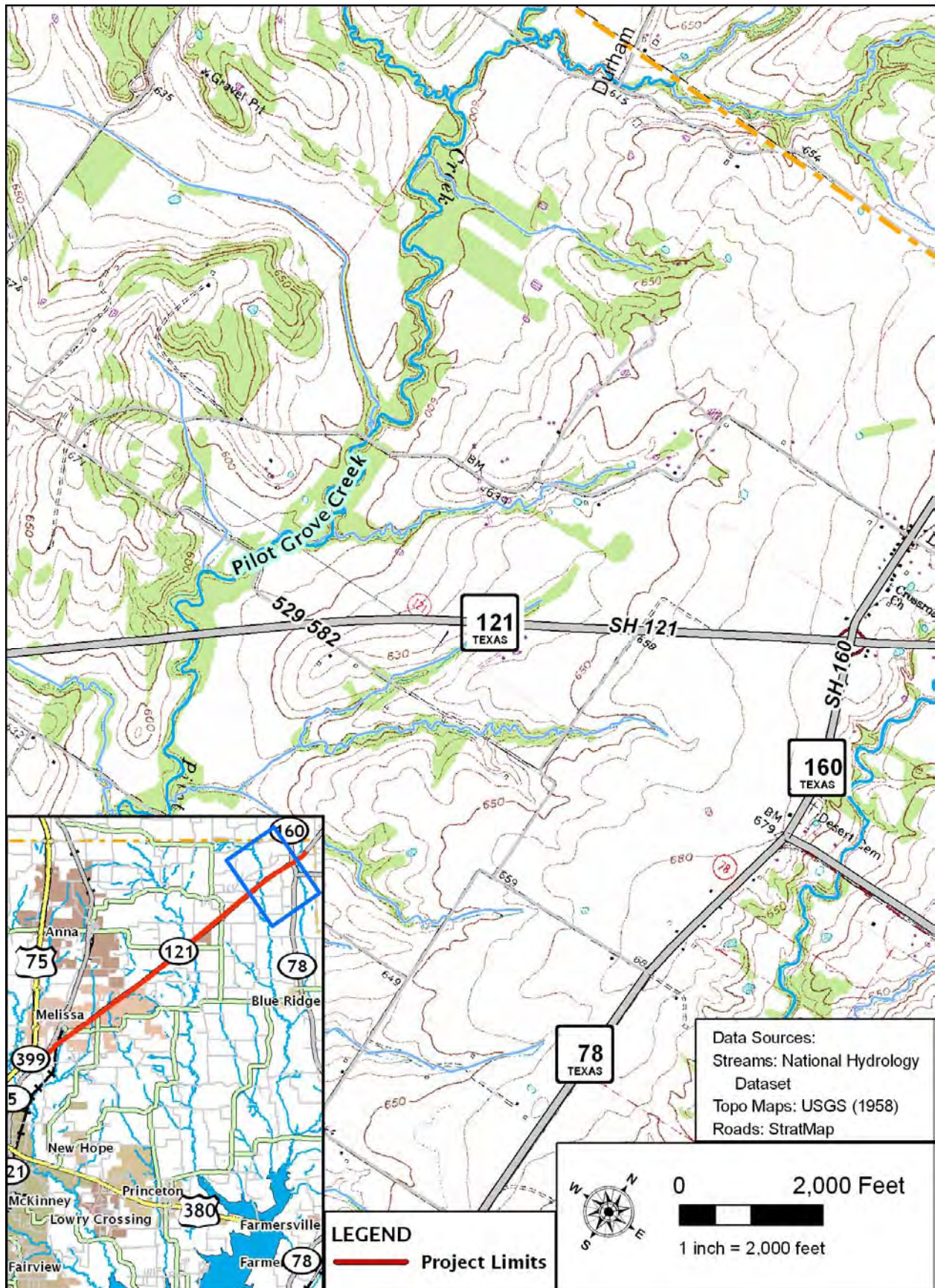




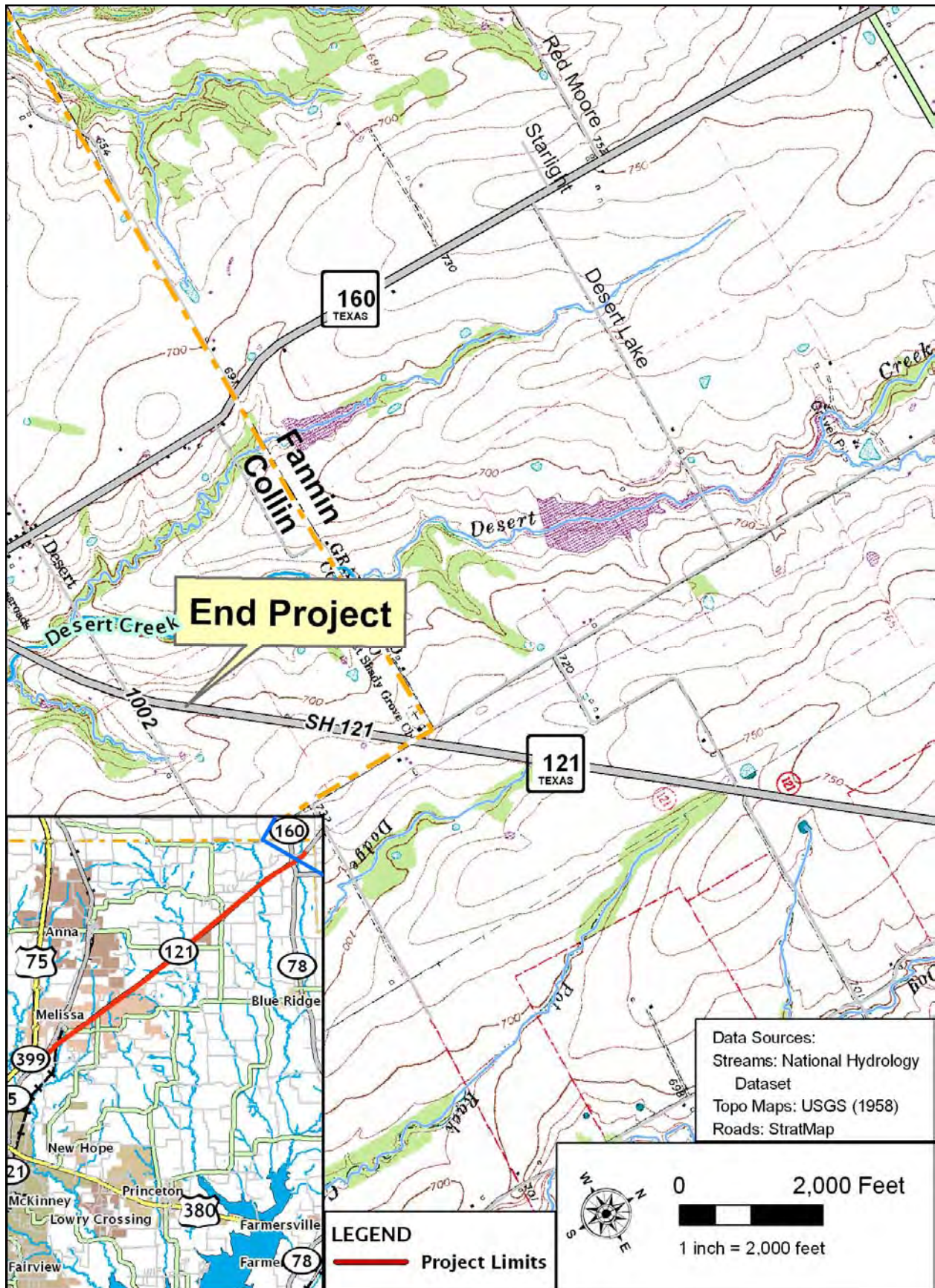
**Figure 2e**  
**USGS Topographic Map 5 of 7**  
**Anna Quad**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**





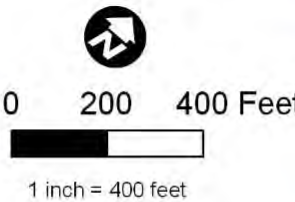
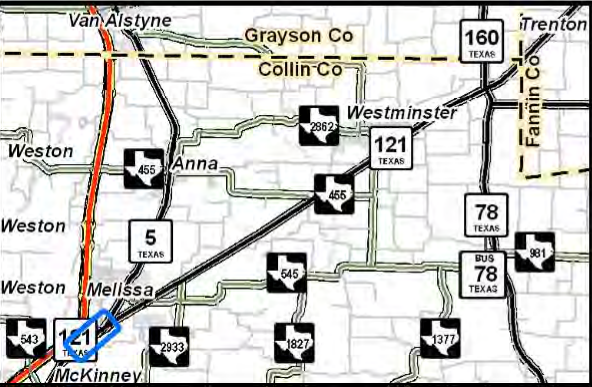
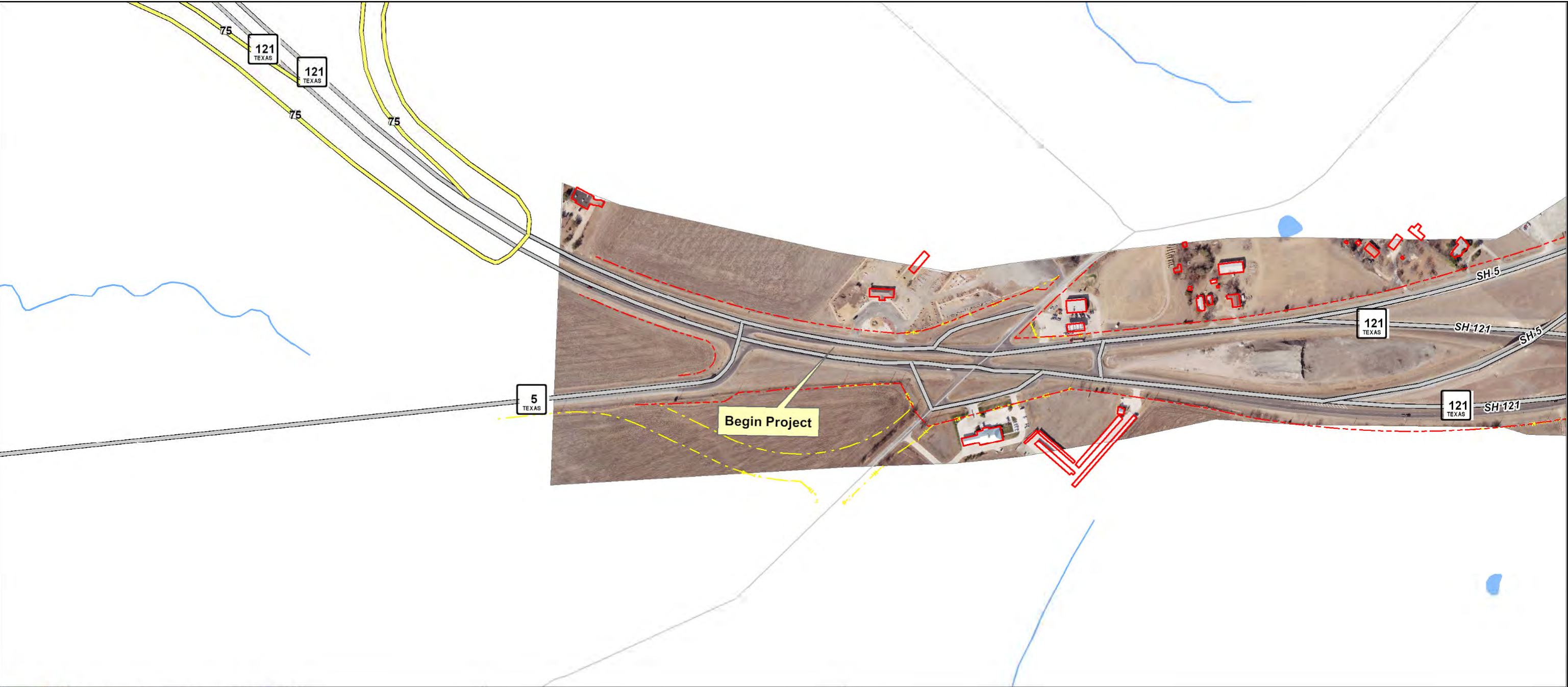












**Figure 2g**  
 USGS Topographic Map 7 of 7  
 Anna Quad

SH 121 from SH 5 to CR 635 (Fannin County Line)  
 CSJ: 0549-03-018, 0549-03-021





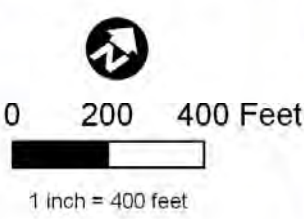
| <u>LEGEND</u>   |              |   |                    |   |                                    |
|---|--------------|---|--------------------|---|------------------------------------|
|  | Proposed ROW |  | County Limits      |  | Wetland Data Form                  |
|  | Existing ROW |  | Stream             |  | Photo Location and Direction       |
|  | Parcel       |  | Waterbody          |  | Noise Receiver                     |
|  | Structure    |  | Floodplain         |  | Hazardous Waste/<br>Substance Site |
|  | Rail         |  | Stream Data Form   |   |                                    |
|  | City Limits  |  | Woodland Data Form |   |                                    |










**Data Sources**  
 Aerial: SAM Images (2006)  
 Streams: National Hydrology Dataset  
 Roads: STRATMAP

**Figure 3a**  
 Aerial and Photo Location Map 1 of 13

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
 CSJ: 0549-03-018, 0549-03-021





| <u>LEGEND</u>   |              |   |                    |   |                                 |
|---|--------------|---|--------------------|---|---------------------------------|
|  | Proposed ROW |  | County Limits      |  | Wetland Data Form               |
|  | Existing ROW |  | Stream             |  | Photo Location and Direction    |
|  | Parcel       |  | Waterbody          |  | Noise Receiver                  |
|  | Structure    |  | Floodplain         |  | Hazardous Waste/ Substance Site |
|  | Rail         |  | Stream Data Form   |   |                                 |
|  | City Limits  |  | Woodland Data Form |   |                                 |

Data Sources  
Aerial: SAM Images (2006)  
Streams: National Hydrology Dataset  
Roads: STRATMAP

Figure 3b  
Aerial and Photo Location Map 2 of 13



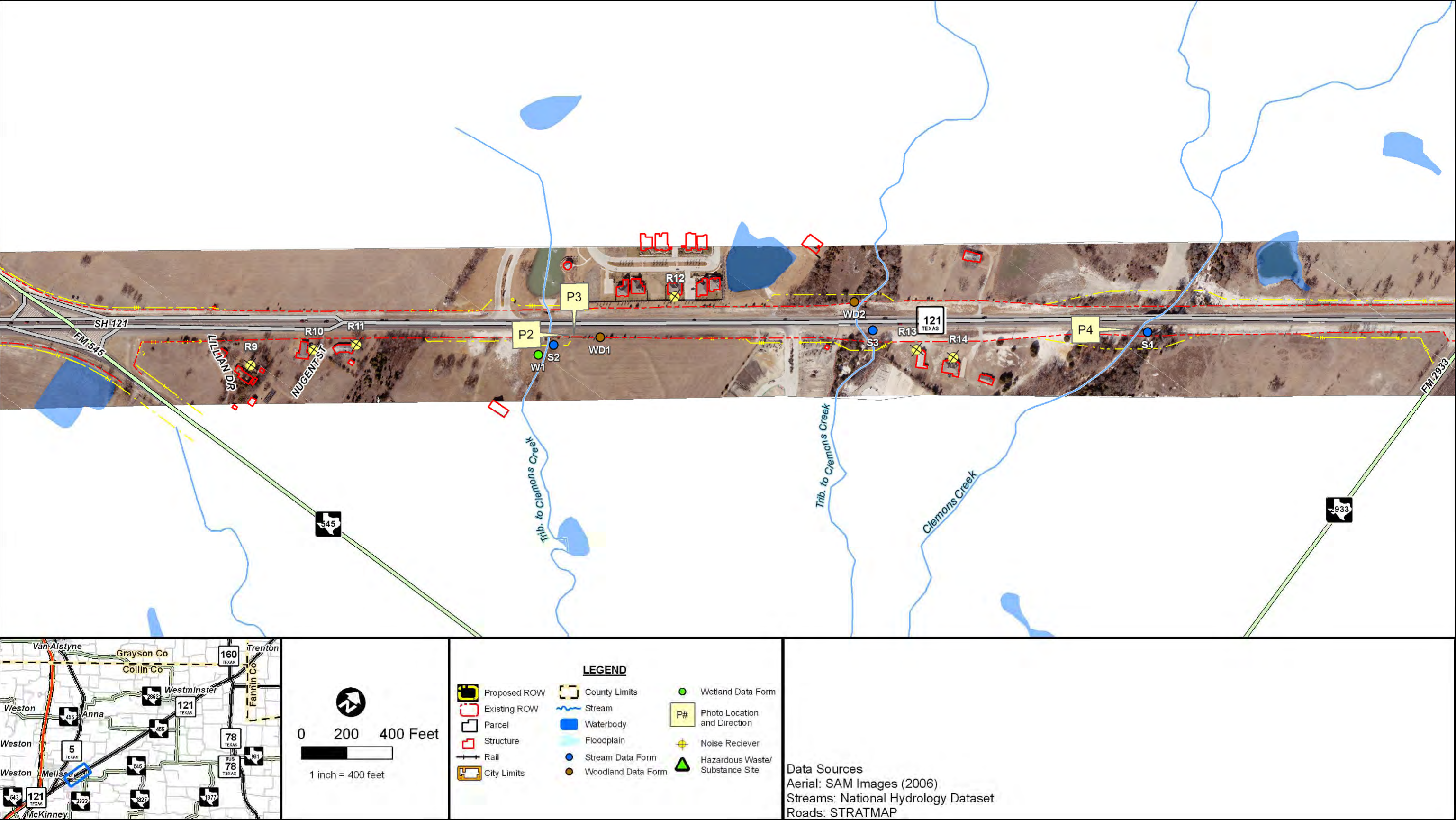


Figure 3c  
Aerial and Photo Location Map 3 of 13



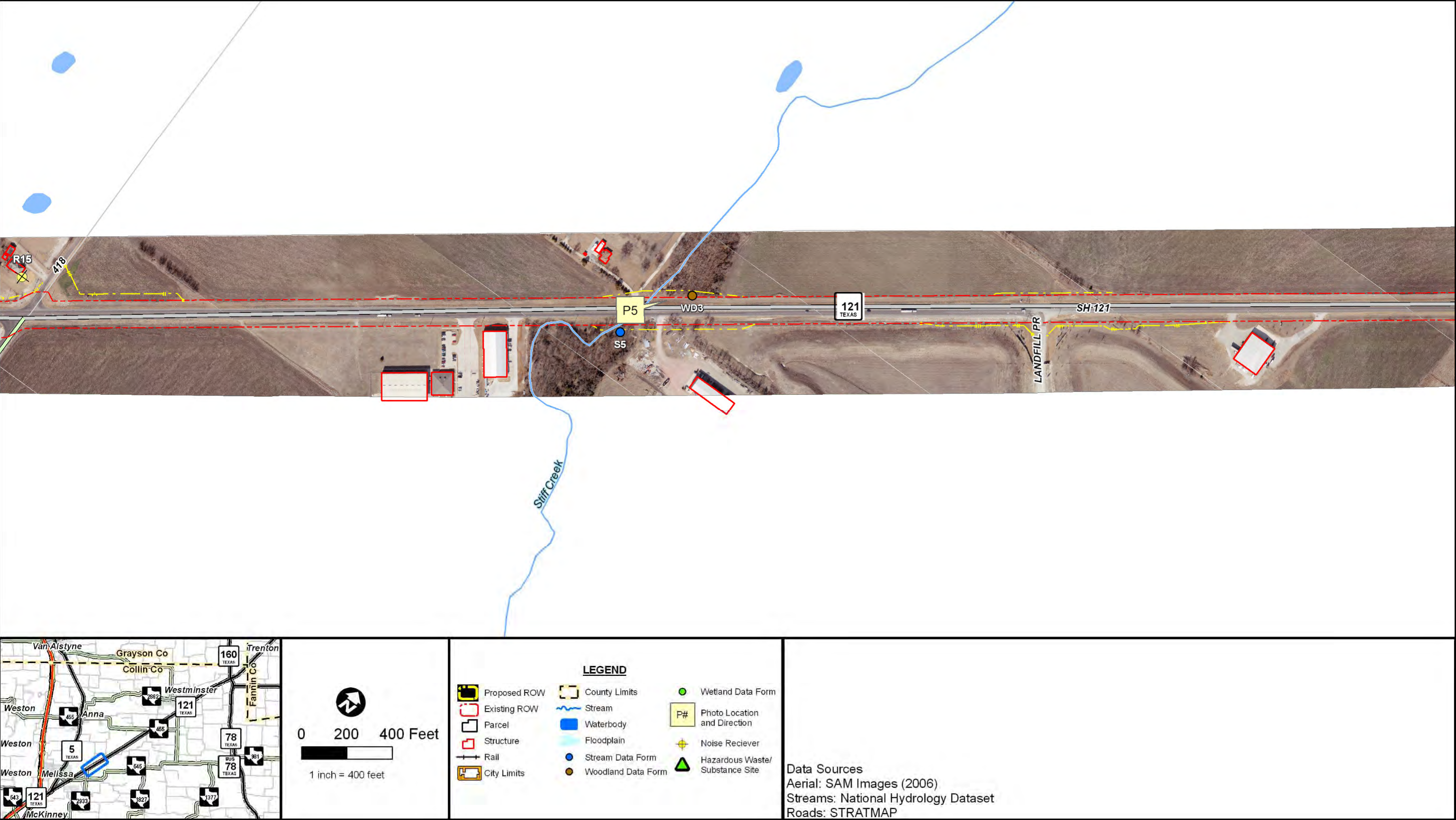
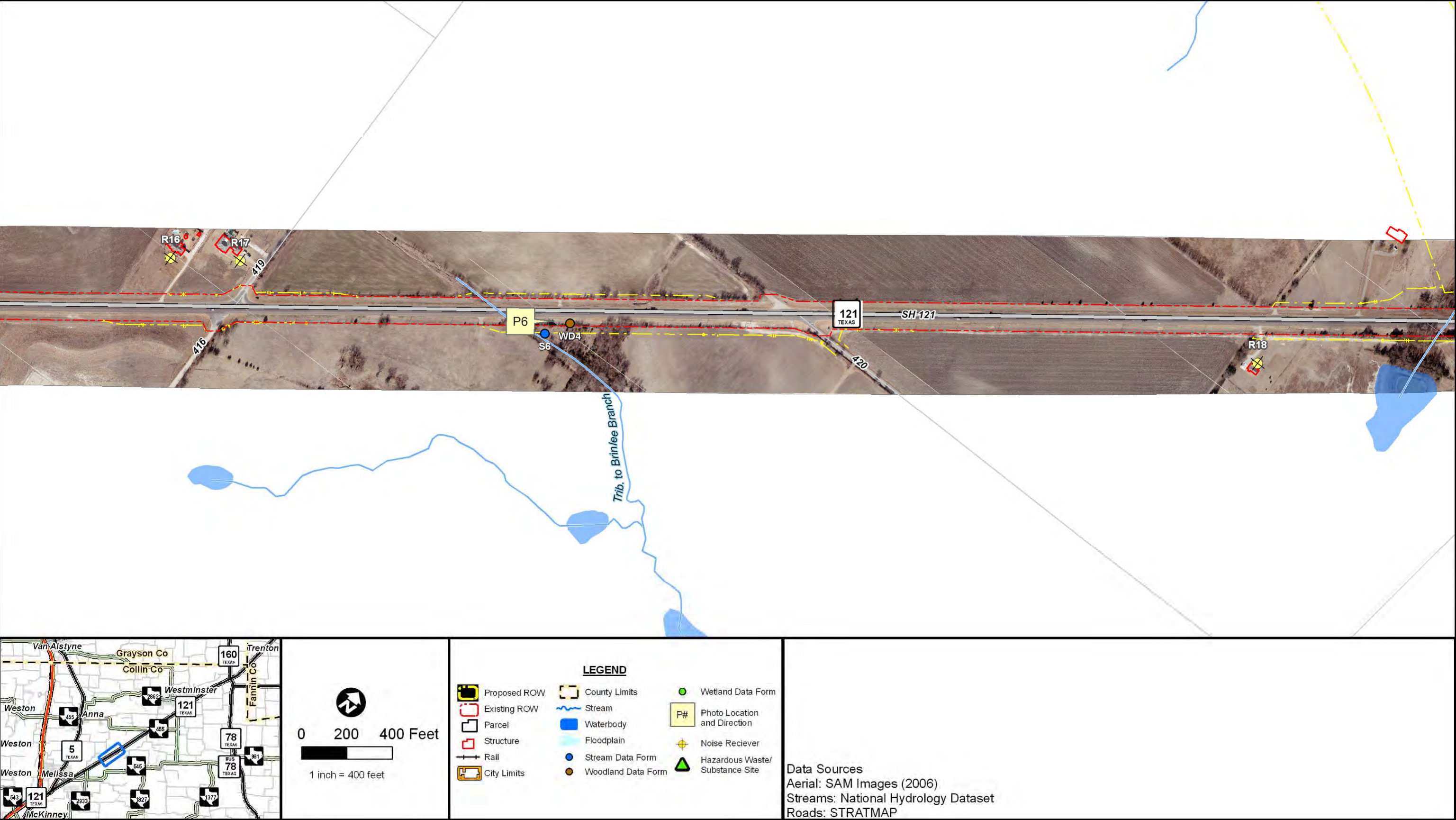


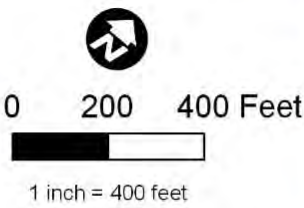
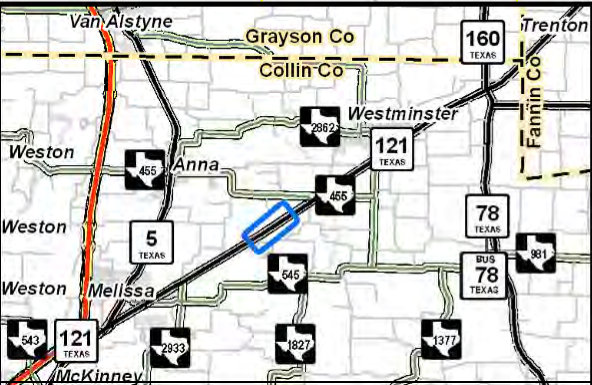
Figure 3d  
Aerial and Photo Location Map 4 of 13





















**Figure 3e**  
**Aerial and Photo Location Map 5 of 13**



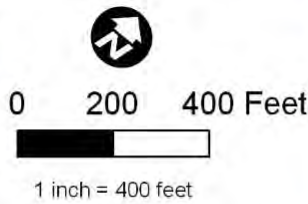
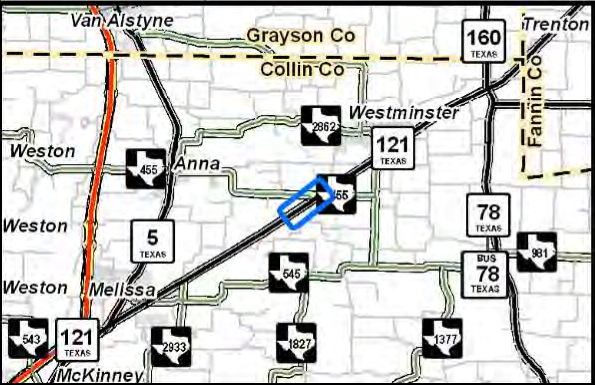
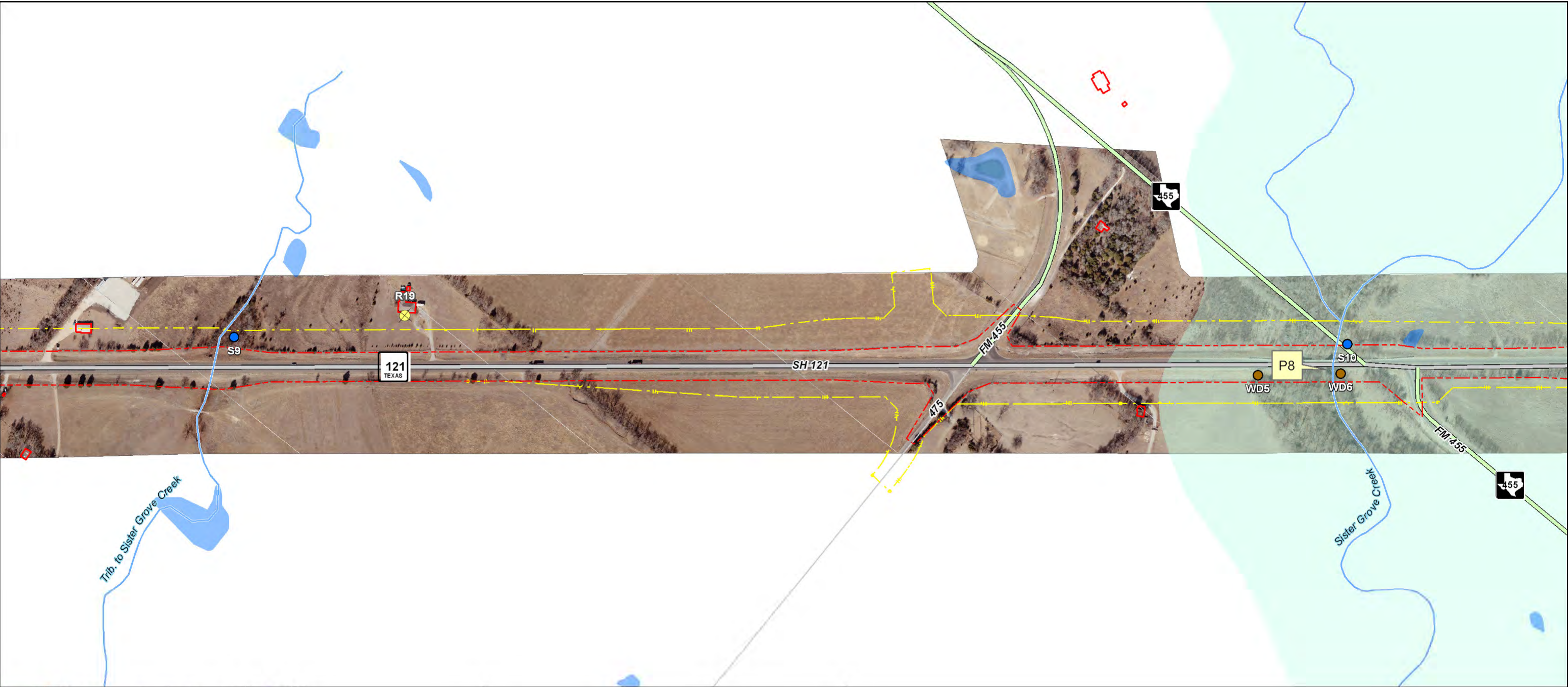


| <u>LEGEND</u>   |              |   |                    |   |                                    |
|---|--------------|---|--------------------|---|------------------------------------|
|  | Proposed ROW |  | County Limits      |  | Wetland Data Form                  |
|  | Existing ROW |  | Stream             |  | Photo Location and Direction       |
|  | Parcel       |  | Waterbody          |  | Noise Receiver                     |
|  | Structure    |  | Floodplain         |  | Hazardous Waste/<br>Substance Site |
|  | Rail         |  | Stream Data Form   |   |                                    |
|  | City Limits  |  | Woodland Data Form |   |                                    |

















Data Sources  
Aerial: SAM Images (2006)  
Streams: National Hydrology Dataset  
Roads: STRATMAP

Figure 3f  
Aerial and Photo Location Map 6 of 13





**LEGEND**

|   |              |   |                    |   |                                    |
|---|--------------|---|--------------------|---|------------------------------------|
|  | Proposed ROW |  | County Limits      |  | Wetland Data Form                  |
|  | Existing ROW |  | Stream             |  | Photo Location and Direction       |
|  | Parcel       |  | Waterbody          |  | Noise Reciever                     |
|  | Structure    |  | Floodplain         |  | Hazardous Waste/<br>Substance Site |
|  | Rail         |  | Stream Data Form   |   |                                    |
|  | City Limits  |  | Woodland Data Form |   |                                    |

Data Sources  
Aerial: SAM Images (2006)  
Streams: National Hydrology Dataset  
Roads: STRATMAP

Figure 3g  
Aerial and Photo Location Map 7 of 13

SH 121 from SH 5 to CR 635 (Fannin County Line)  
CSJ: 0549-03-018, 0549-03-021



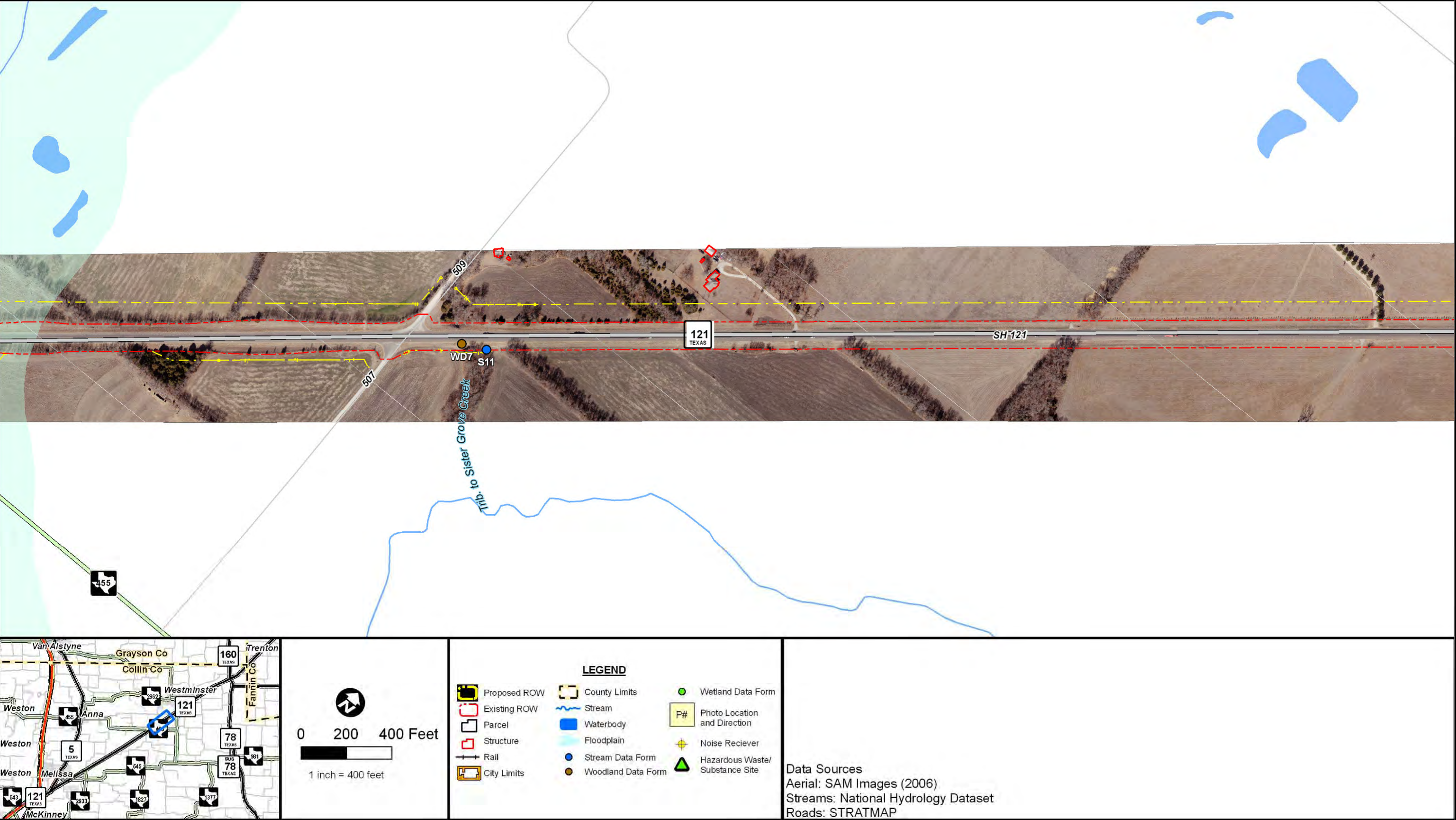
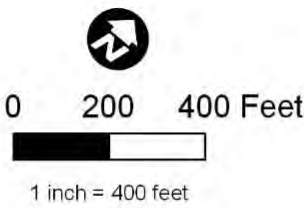
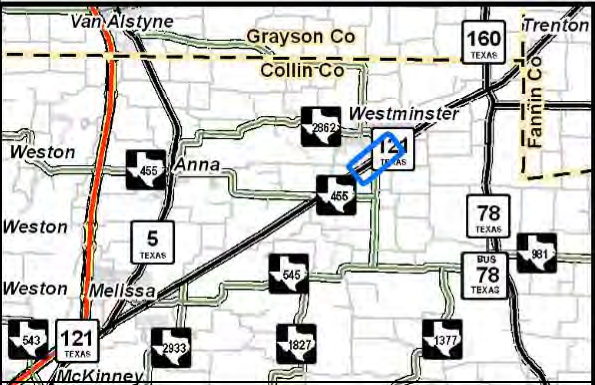
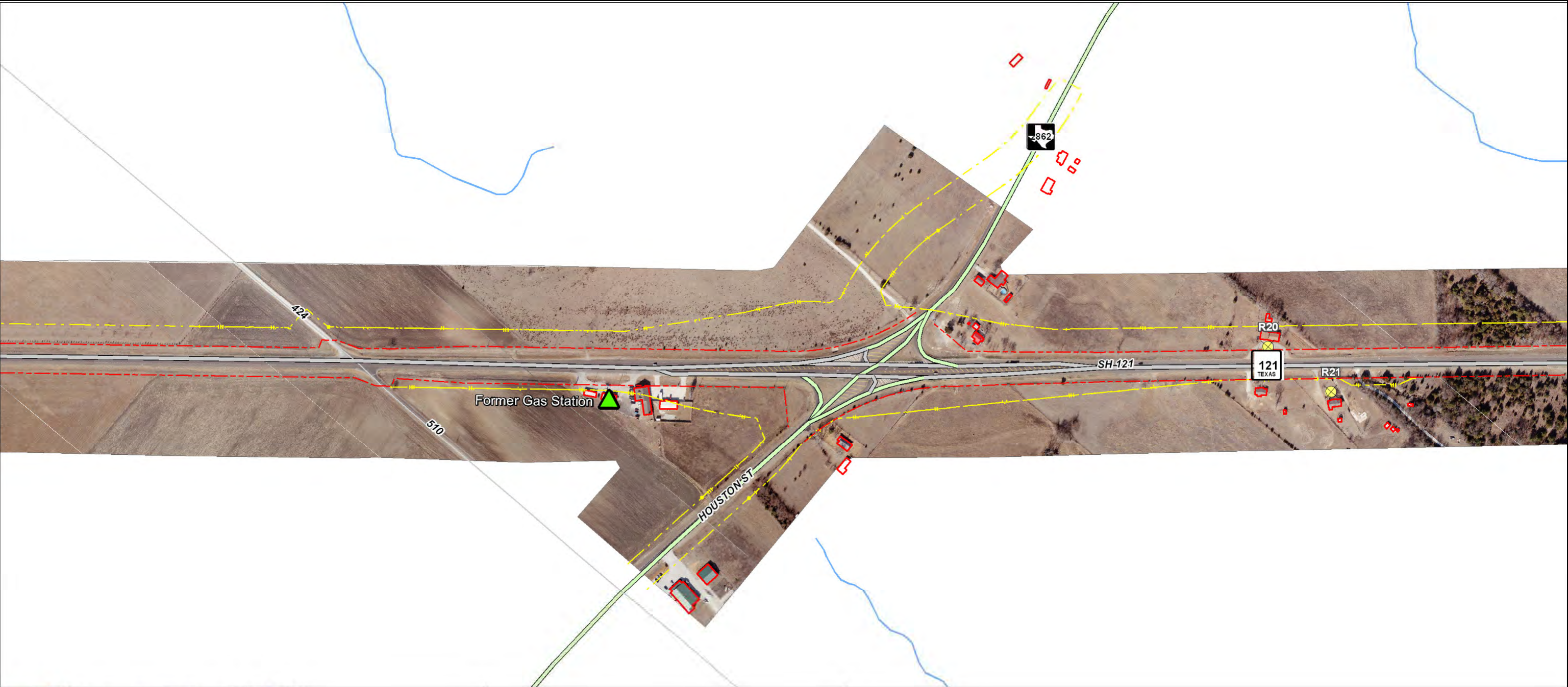


















Figure 3h  
Aerial and Photo Location Map 8 of 13



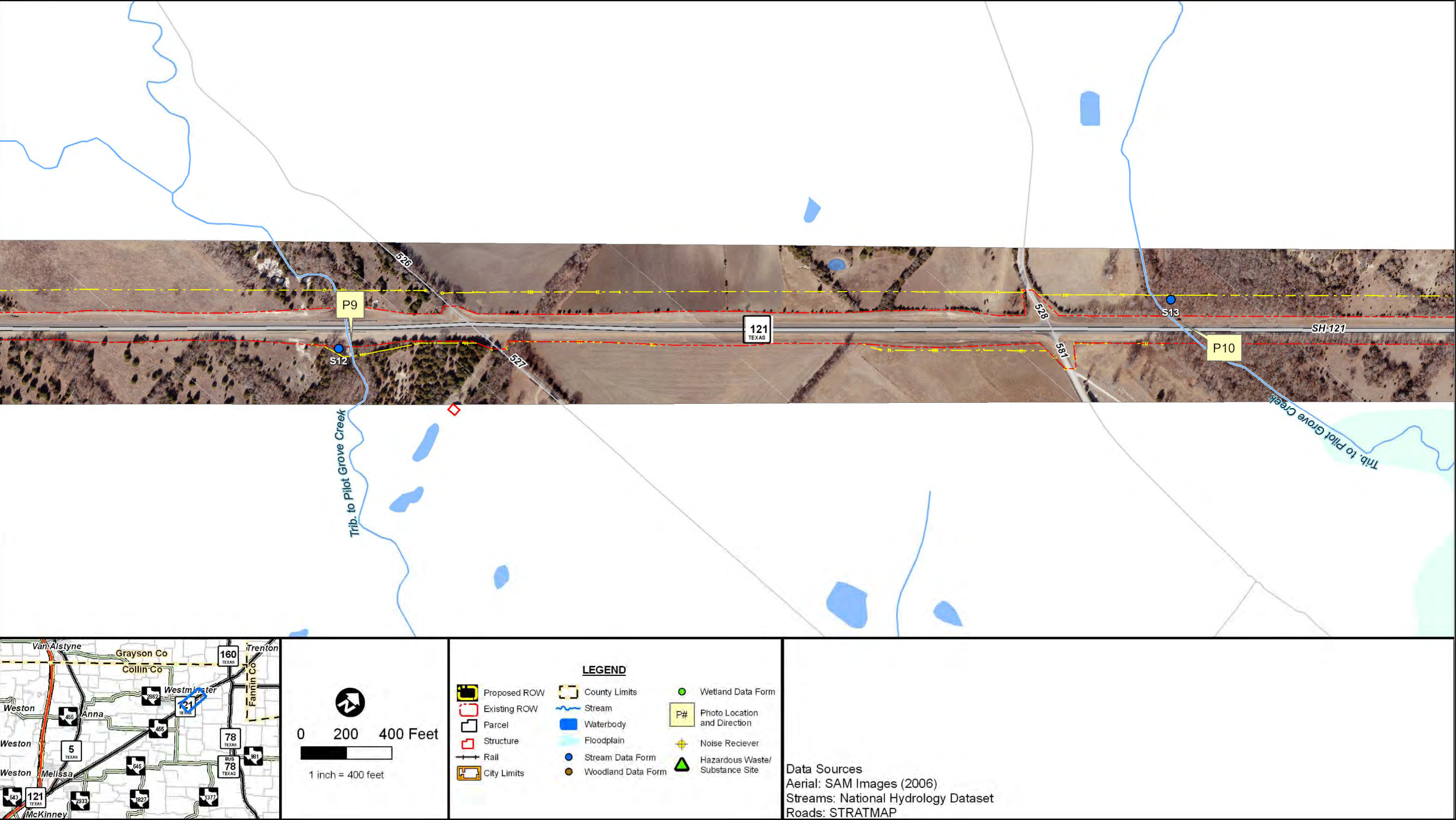


| <u>LEGEND</u>   |              |   |                    |   |                                    |
|---|--------------|---|--------------------|---|------------------------------------|
|  | Proposed ROW |  | County Limits      |  | Wetland Data Form                  |
|  | Existing ROW |  | Stream             |  | Photo Location and Direction       |
|  | Parcel       |  | Waterbody          |  | Noise Receiver                     |
|  | Structure    |  | Floodplain         |  | Hazardous Waste/<br>Substance Site |
|  | Rail         |  | Stream Data Form   |   |                                    |
|  | City Limits  |  | Woodland Data Form |   |                                    |

**Data Sources**  
 Aerial: SAM Images (2006)  
 Streams: National Hydrology Dataset  
 Roads: STRATMAP

**Figure 3i**  
 Aerial and Photo Location Map 9 of 13

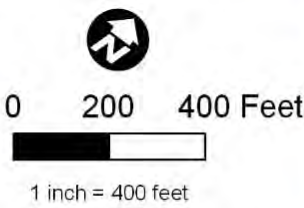
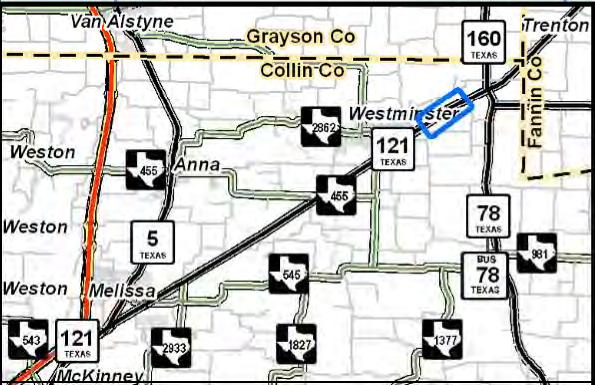




















**Figure 3j**  
Aerial and Photo Location Map 10 of 13

SH 121 from SH 5 to CR 635 (Fannin County Line)  
CSJ: 0549-03-018, 0549-03-021





| <u>LEGEND</u>   |              |   |                    |   |                                    |
|---|--------------|---|--------------------|---|------------------------------------|
|  | Proposed ROW |  | County Limits      |  | Wetland Data Form                  |
|  | Existing ROW |  | Stream             |  | Photo Location and Direction       |
|  | Parcel       |  | Waterbody          |  | Noise Receiver                     |
|  | Structure    |  | Floodplain         |  | Hazardous Waste/<br>Substance Site |
|  | Rail         |  | Stream Data Form   |   |                                    |
|  | City Limits  |  | Woodland Data Form |   |                                    |

Data Sources  
Aerial: SAM Images (2006)  
Streams: National Hydrology Dataset  
Roads: STRATMAP

Figure 3k  
Aerial and Photo Location Map 11 of 13

SH 121 from SH 5 to CR 635 (Fannin County Line)  
CSJ: 0549-03-018, 0549-03-021



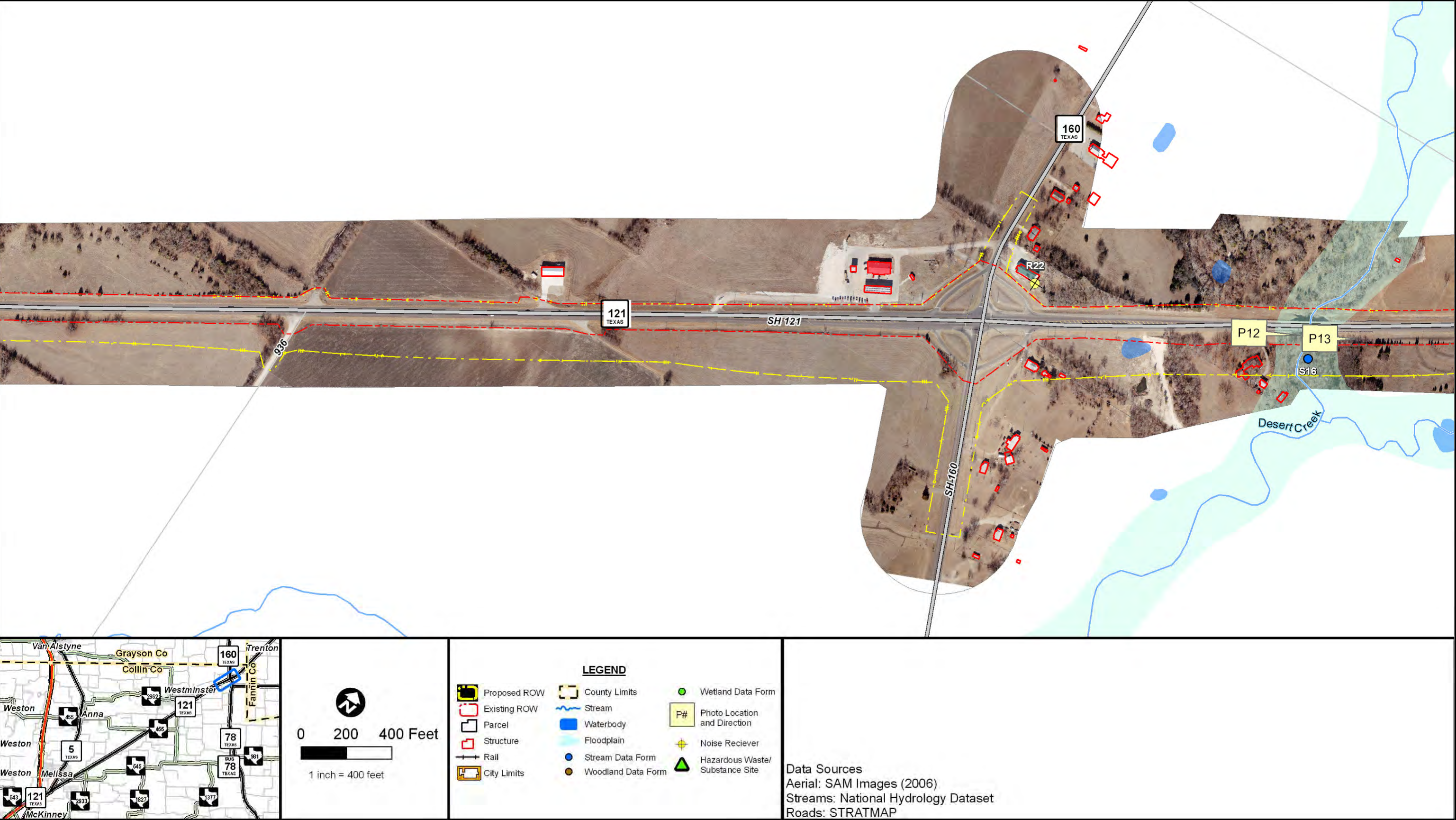
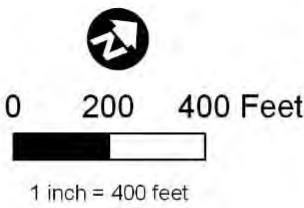
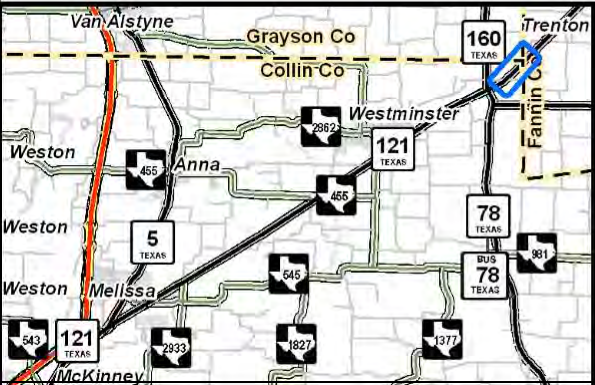


















Figure 31  
Aerial and Photo Location Map 12 of 13





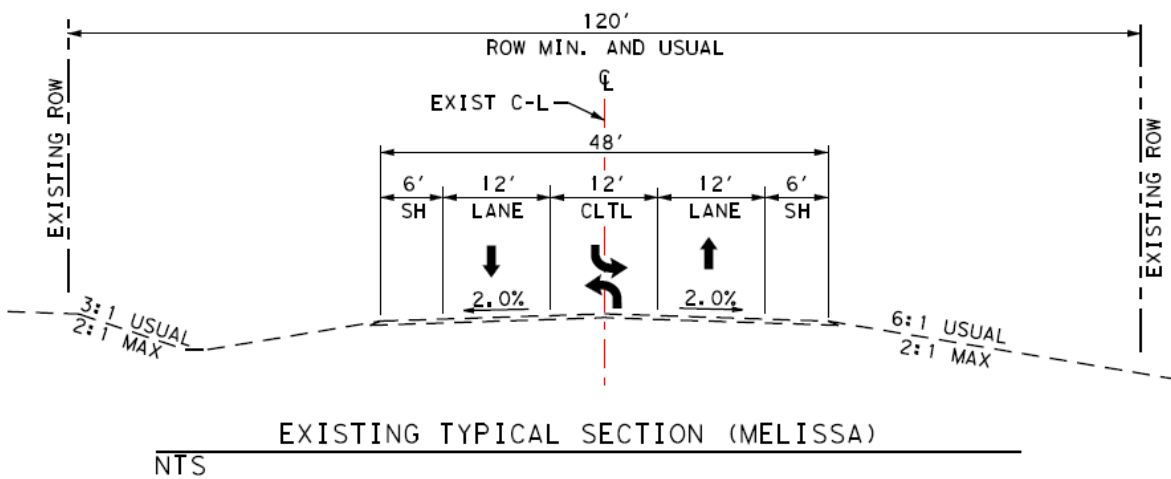
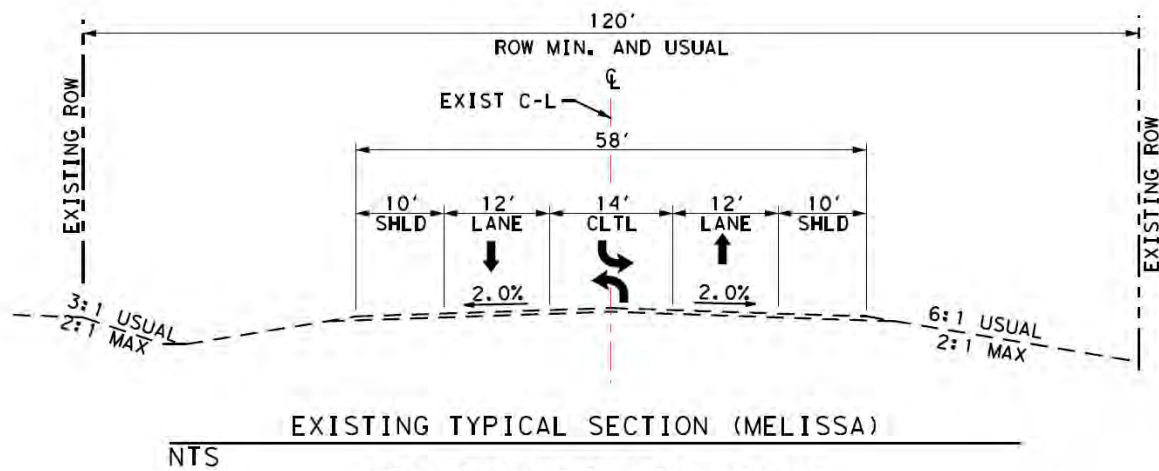
| <u>LEGEND</u>   |              |   |                    |   |                                    |
|---|--------------|---|--------------------|---|------------------------------------|
|  | Proposed ROW |  | County Limits      |  | Wetland Data Form                  |
|  | Existing ROW |  | Stream             |  | Photo Location and Direction       |
|  | Parcel       |  | Waterbody          |  | Noise Receiver                     |
|  | Structure    |  | Floodplain         |  | Hazardous Waste/<br>Substance Site |
|  | Rail         |  | Stream Data Form   |   |                                    |
|  | City Limits  |  | Woodland Data Form |   |                                    |

Data Sources  
Aerial: SAM Images (2006)  
Streams: National Hydrology Dataset  
Roads: STRATMAP

Figure 3m  
Aerial and Photo Location Map 13 of 13

SH 121 from SH 5 to CR 635 (Fannin County Line)  
CSJ: 0549-03-018, 0549-03-021

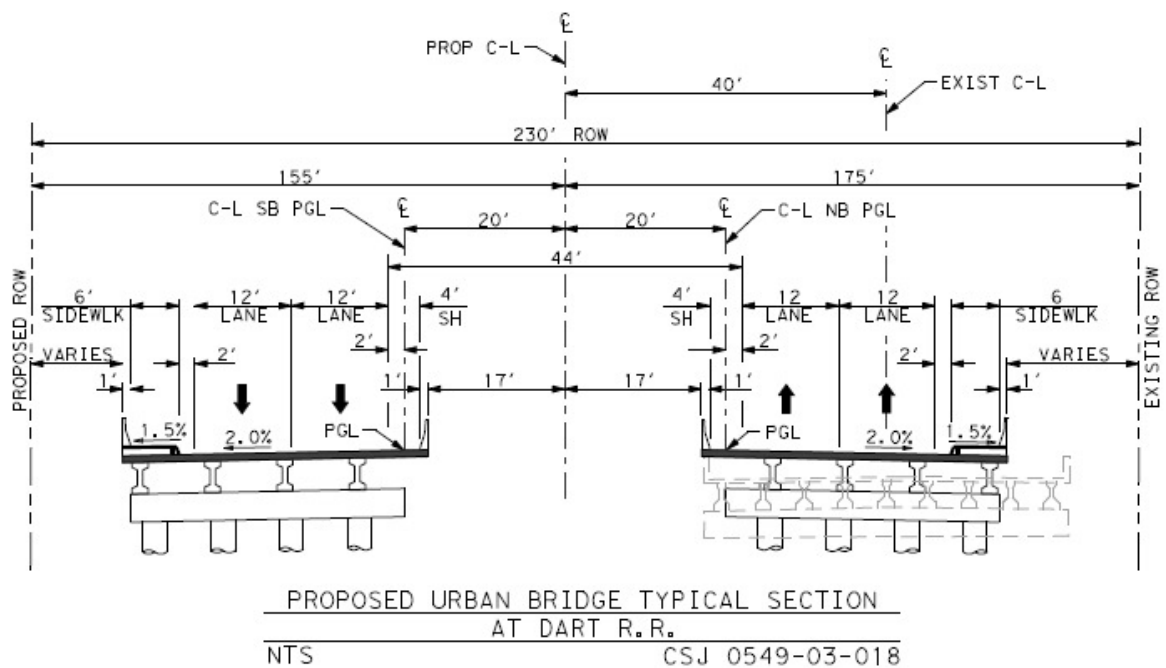
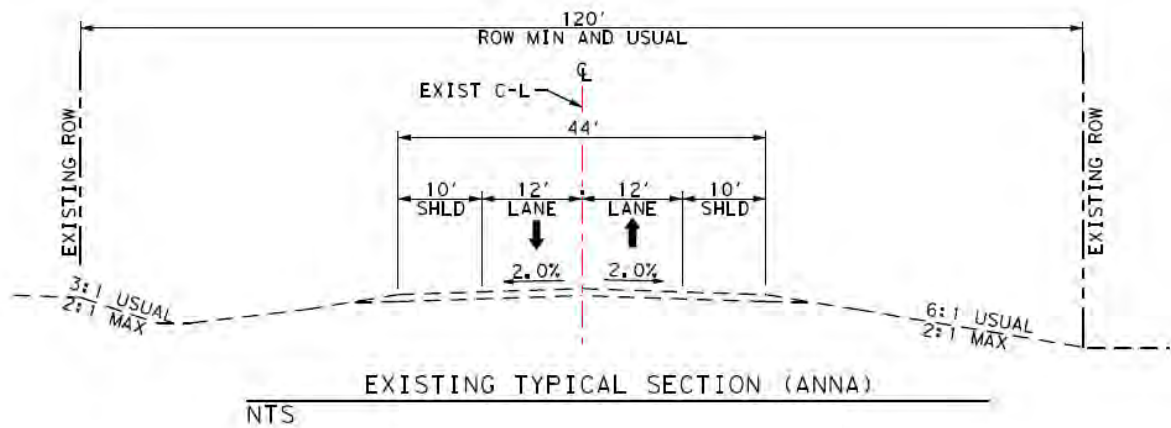




**Figure 4a**  
**Typical Sections 1 of 3**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**

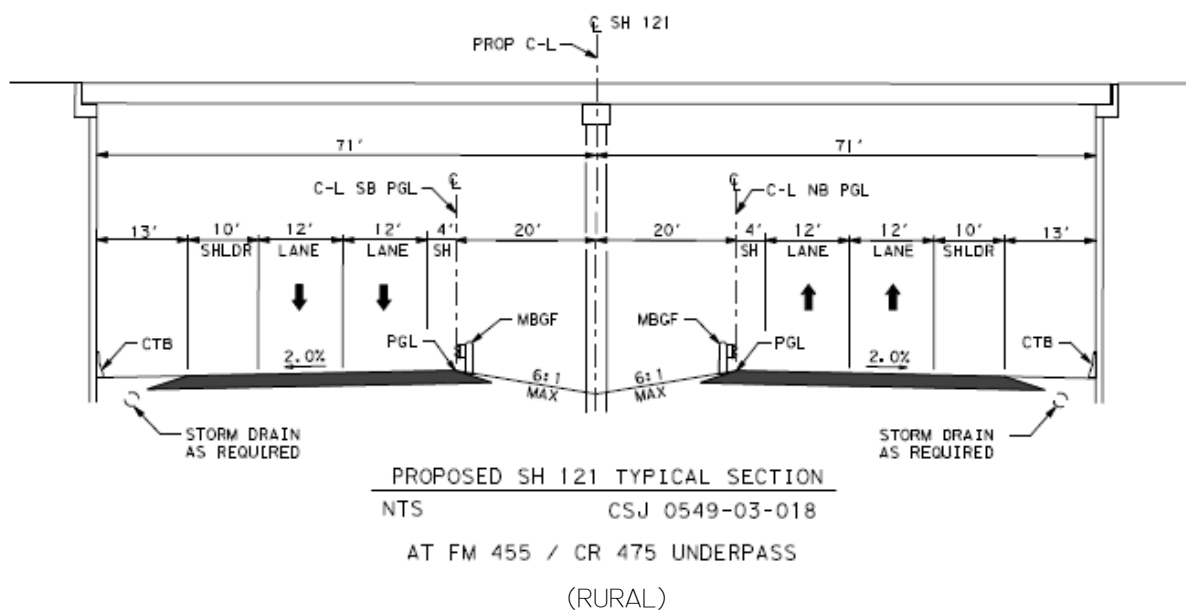
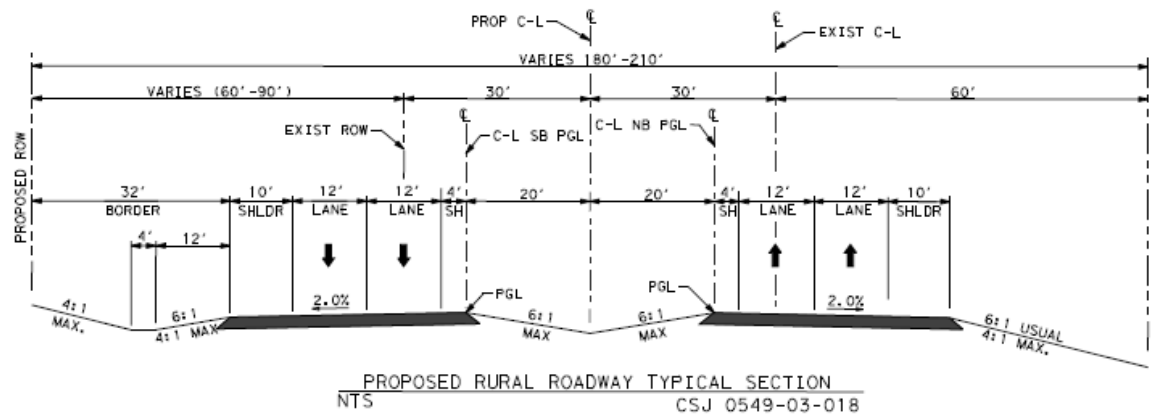
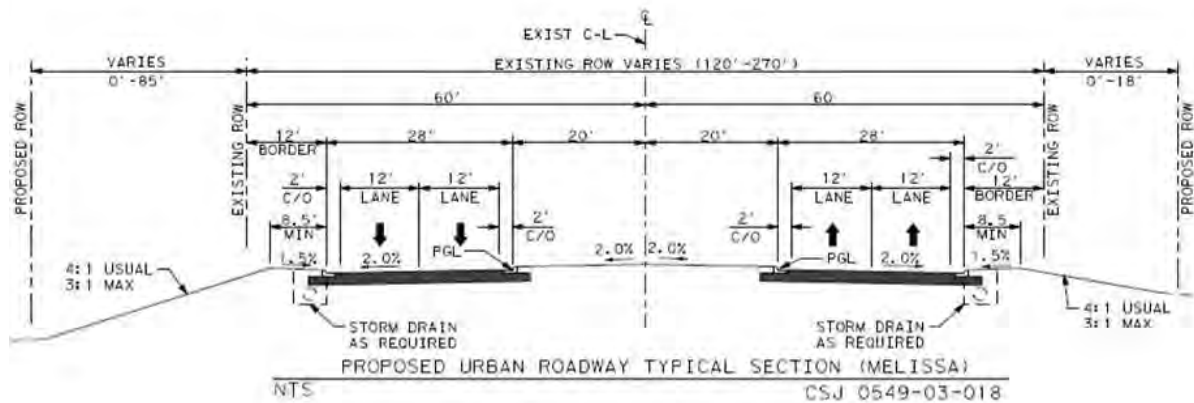




**Figure 4b**  
**Typical Sections 2 of 3**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**

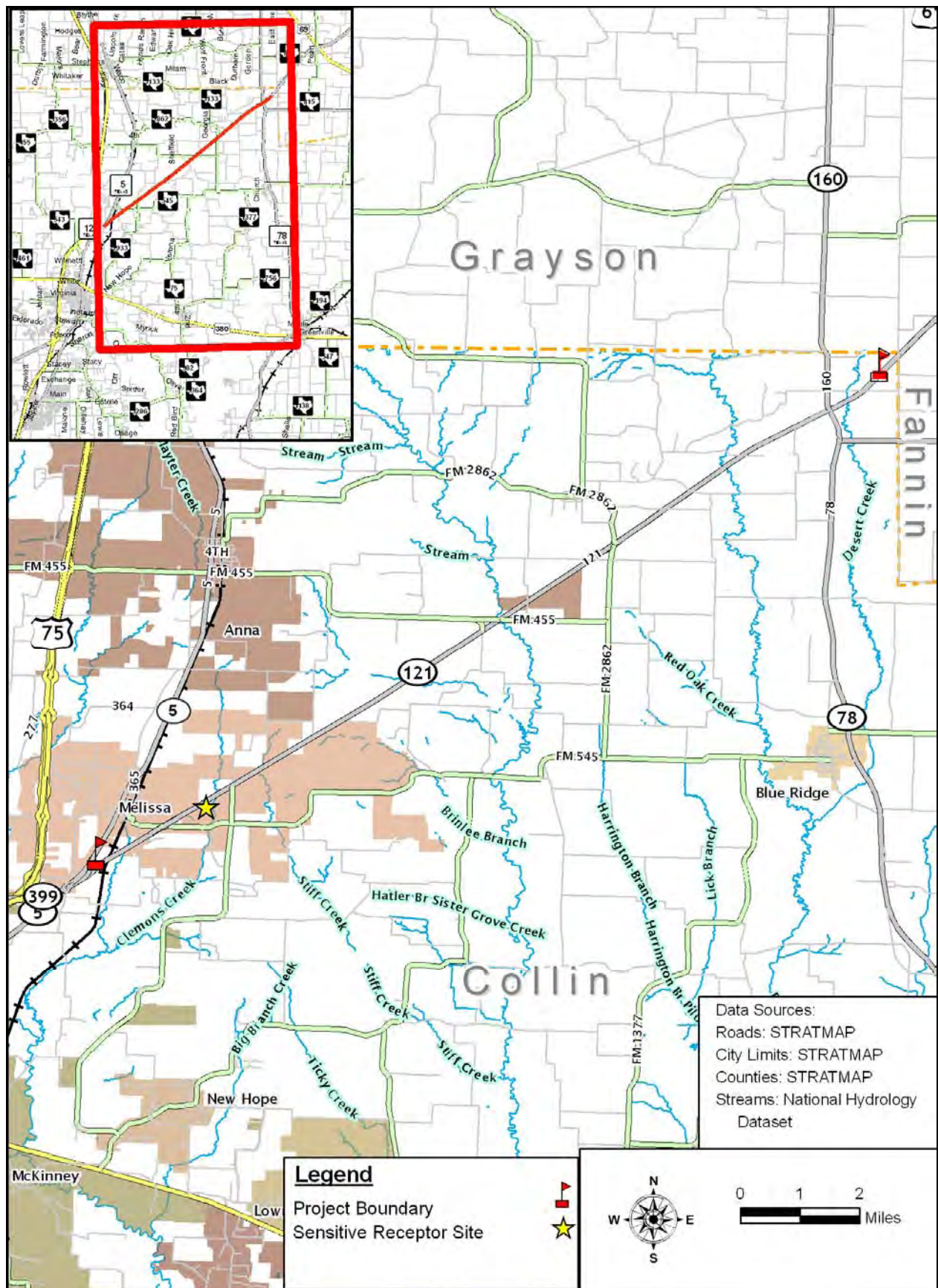




**Figure 4c**  
**Typical Sections 3 of 3**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**

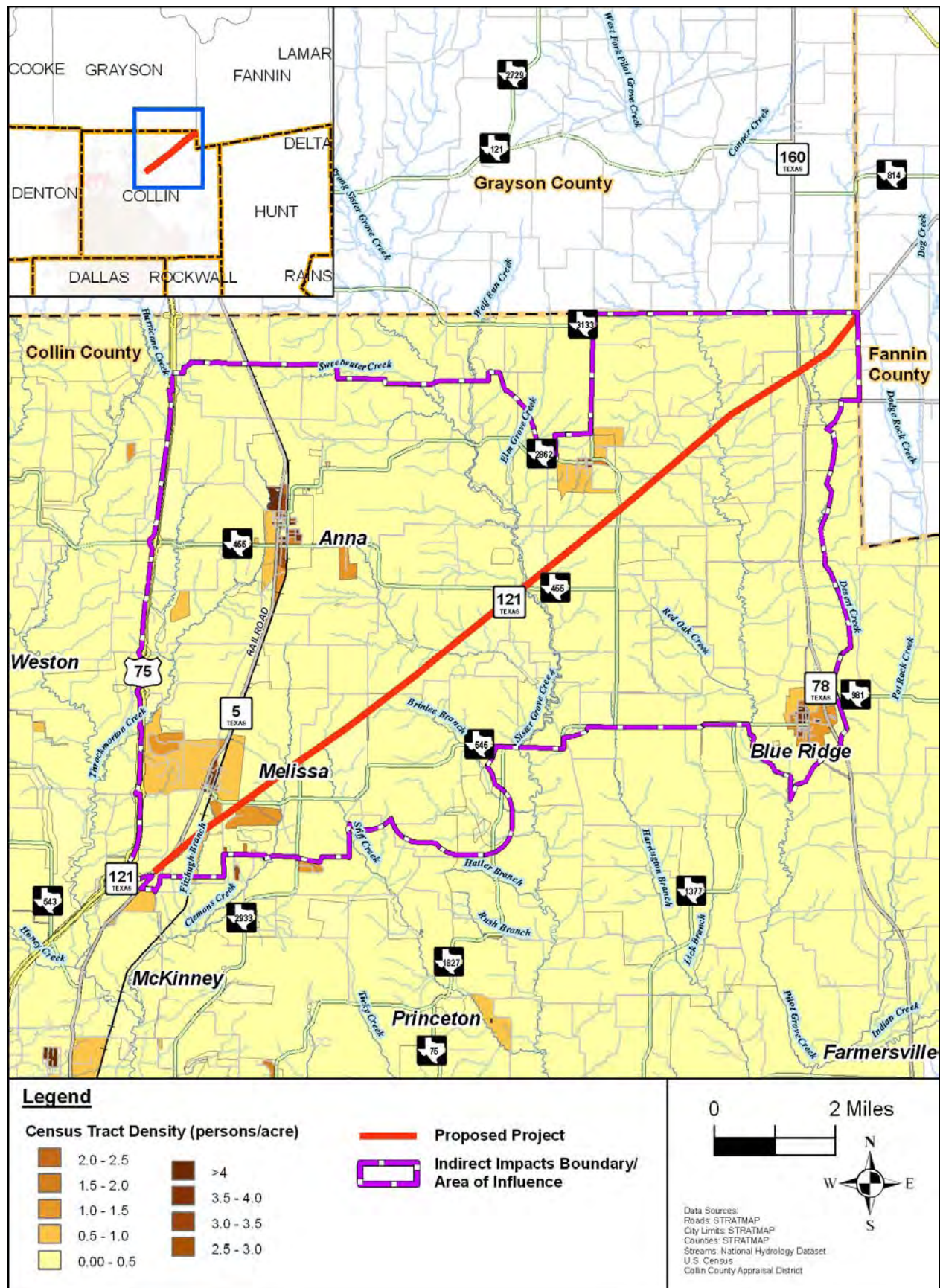




**Figure 5**  
**Sensitive Receptor Map**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**

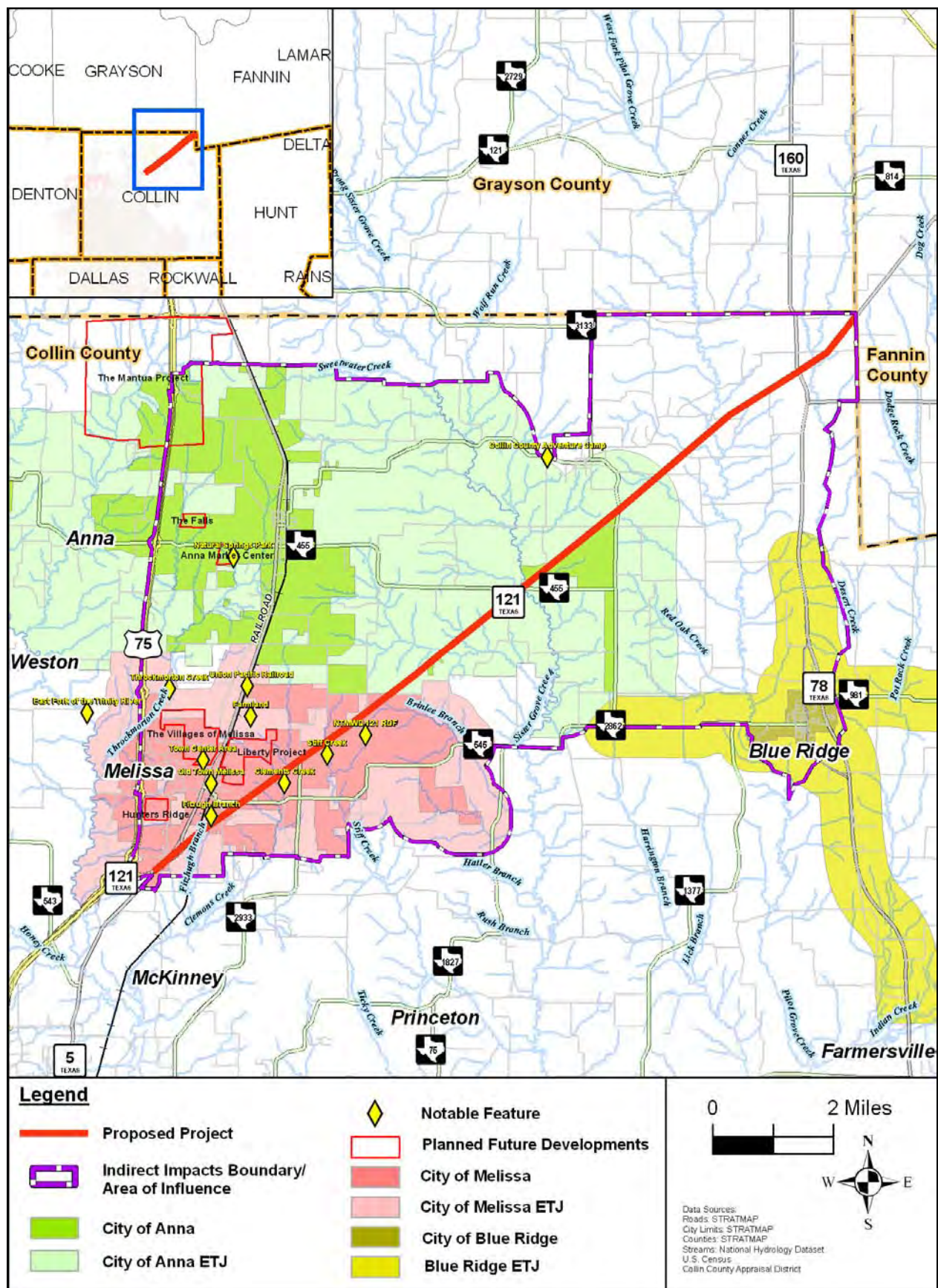




**Figure 6**  
**Indirect Impacts AOI**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**





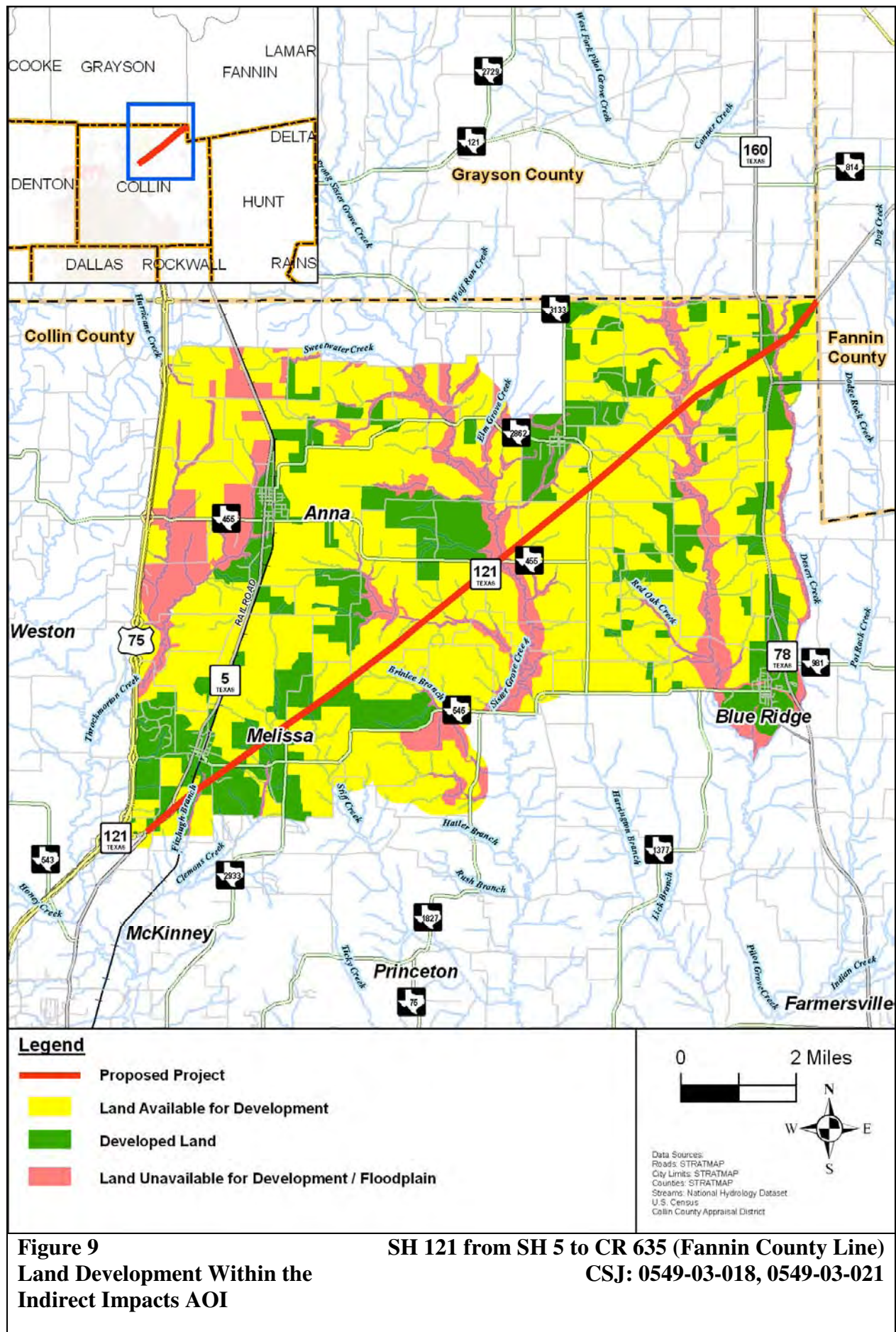
**Figure 7**  
**City Limits and ETJ Within the**  
**Indirect Impacts AOI**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**

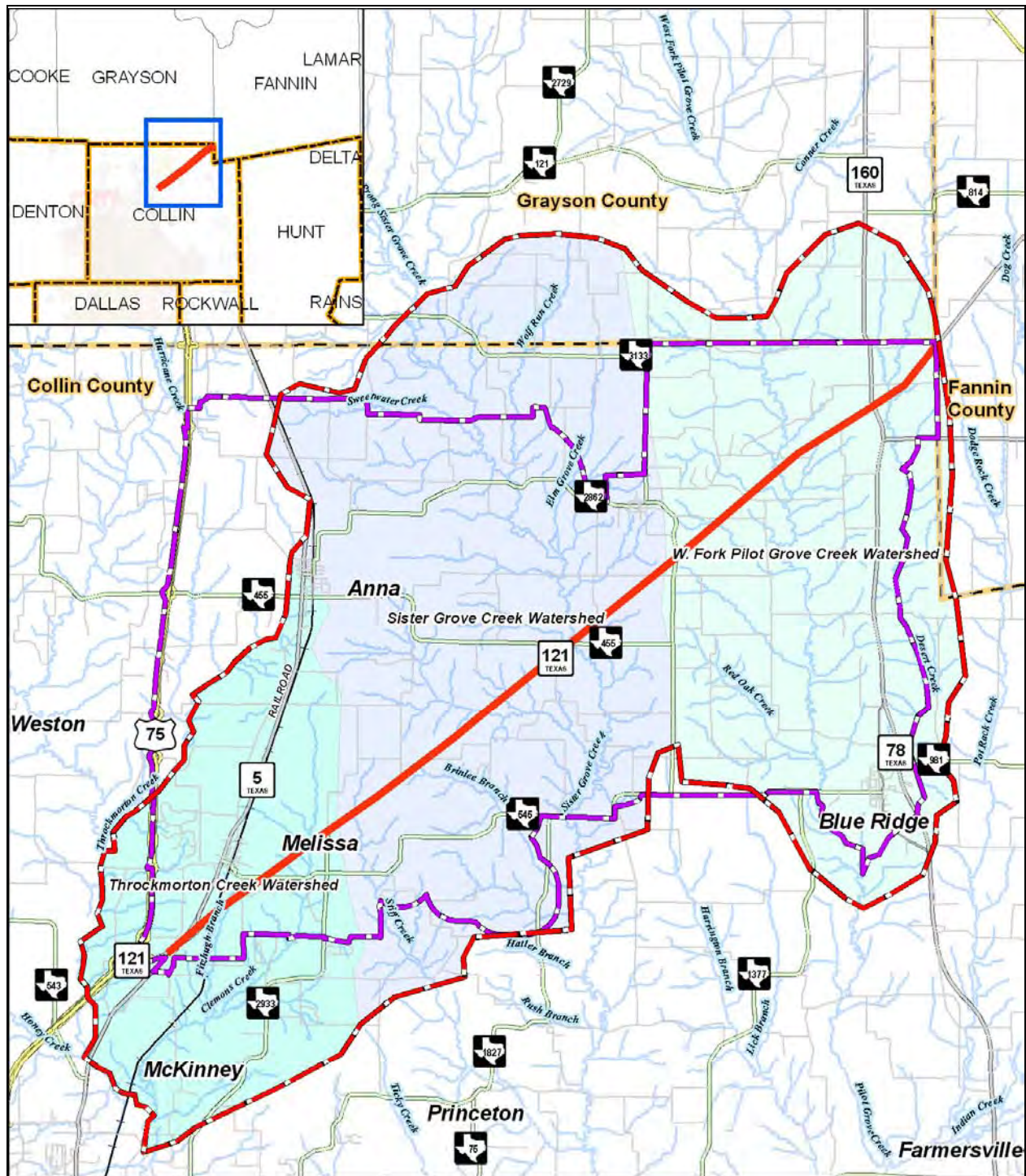






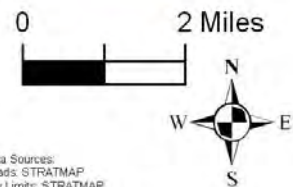






### Legend

- Wildlife, Vegetation, Farmland, Water Quality, and Waters of the U.S. RSA
- Land Use RSA
- Direct Project Area

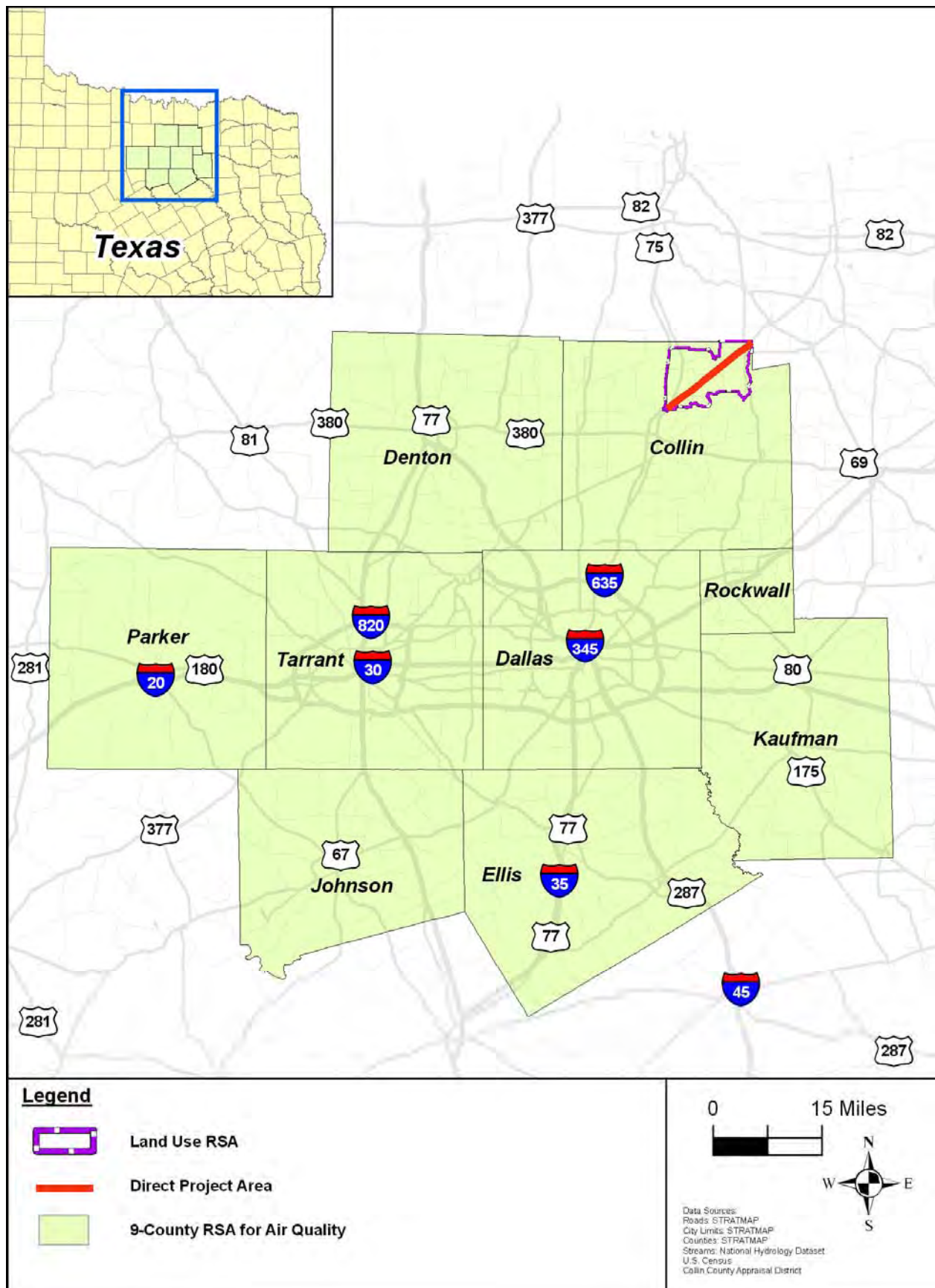


Data Sources:  
 Roads: STRATMAP  
 City Limits: STRATMAP  
 Counties: STRATMAP  
 Streams: National Hydrology Dataset  
 U.S. Census  
 Collin County Appraisal District

**Figure 10**  
**Cumulative Impacts RSAs**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**

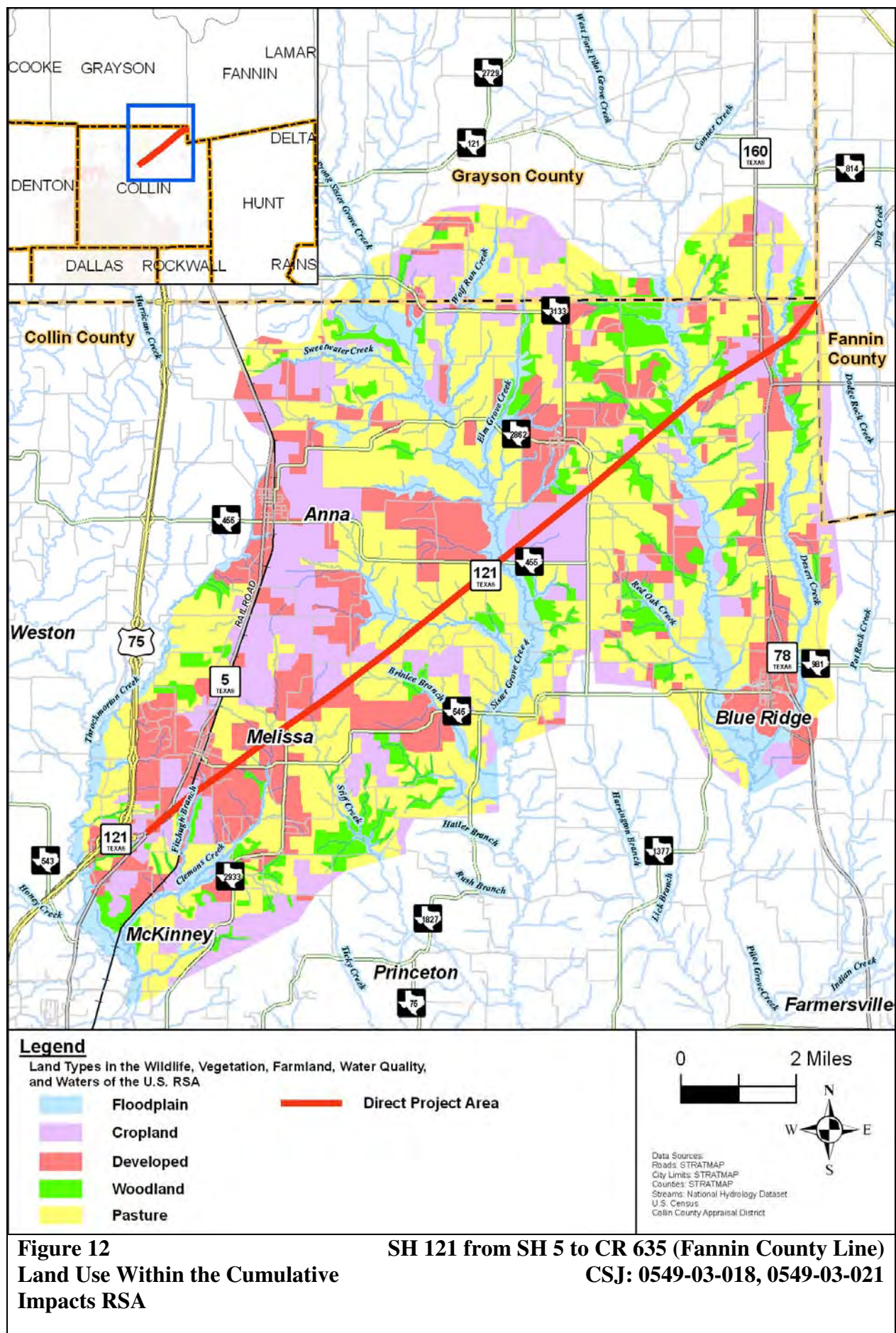




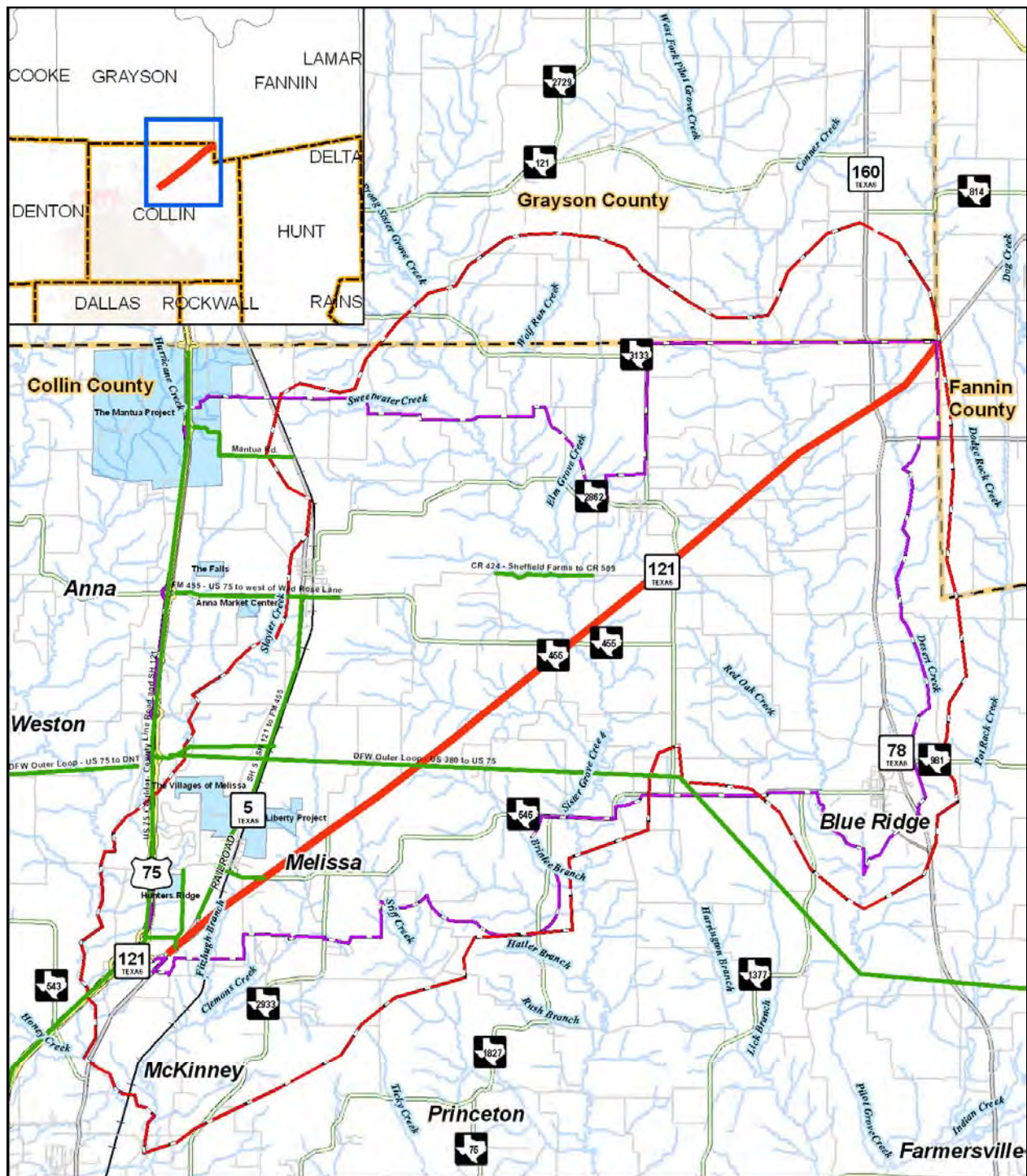
**Figure 11**  
**Cumulative Impacts RSAs –**  
**9-County Ozone Non Attainment**  
**Area**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**



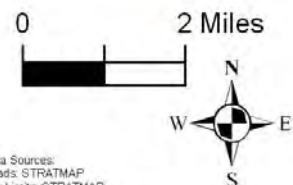






### Legend

- Wildlife, Vegetation, Farmland, Water Quality, and Waters of the U.S. RSA
- Land Use RSA
- Direct Project Area
- Future Road Projects
- Reasonably Foreseeable Projects



Data Sources:  
 Roads: STRATMAP  
 City Limits: STRATMAP  
 Counties: STRATMAP  
 Streams: National Hydrology Dataset  
 U.S. Census  
 Collin County Appraisal District

**Figure 13**  
**Reasonably Foreseeable Projects**  
**Within the Cumulative Impacts**  
**RSAs**

**SH 121 from SH 5 to CR 635 (Fannin County Line)**  
**CSJ: 0549-03-018, 0549-03-021**





Photo 1: Fitzhugh Branch, south of SH 121, facing south.



Photo 2: Typical ROW south of SH 121, facing east.





Photo 3: Adjacent land use south of SH 121, facing south.



Photo 4: Clemons Creek south of SH121, facing east.





Photo 5: Upland wooded area north of SH 121, facing north.



Photo 6: Typical ROW with fence line vegetation south of SH 121, facing east.





Photo 7: Tributary to Sister Grove south of SH 121, facing east.



Photo 8: Sister Grove Creek south of SH 121, facing east.





Photo 9: Tributary to Pilot Grove south of SH 121, facing south.



Photo 10: Tributary to Pilot Grove north of SH 121, facing west.





Photo 11: Pilot Grove Creek south of SH 121, facing west.



Photo 12: Desert Creek south of SH 121, facing east.





Photo 13: Typical ROW south of SH 121, facing east.



# **Appendix A**

## **Stream Data Forms**



Stream Data Form #: 1  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Fitzhugh Branch County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 6 ft inside ROW; 4 ft outside ROW  
OHWM Height (in): 6"-12" inside ROW; 6" outside ROW  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): bedrock

Water Quality:

Clear Slightly Turbid Turbid Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles

Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Riparian Vegetation: List species observed.

Black willow, aster, sugarberry, red oak saplings, honey locust, greenbriar, Texas red oak,  
American elm, poison ivy

\_\_\_\_\_

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

n/a  
\_\_\_\_\_  
\_\_\_\_\_



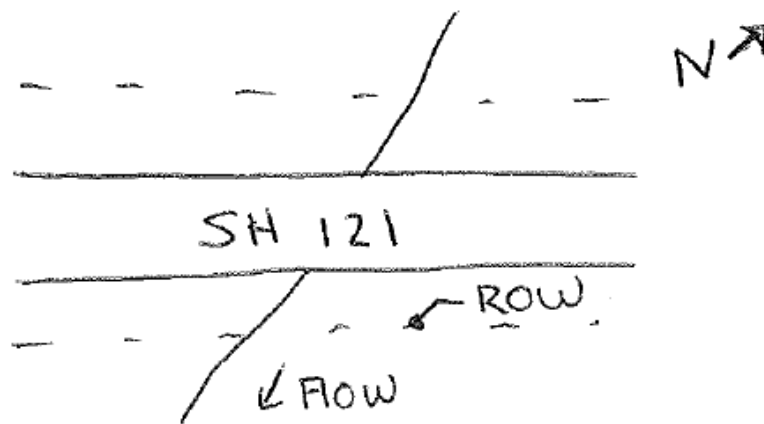
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

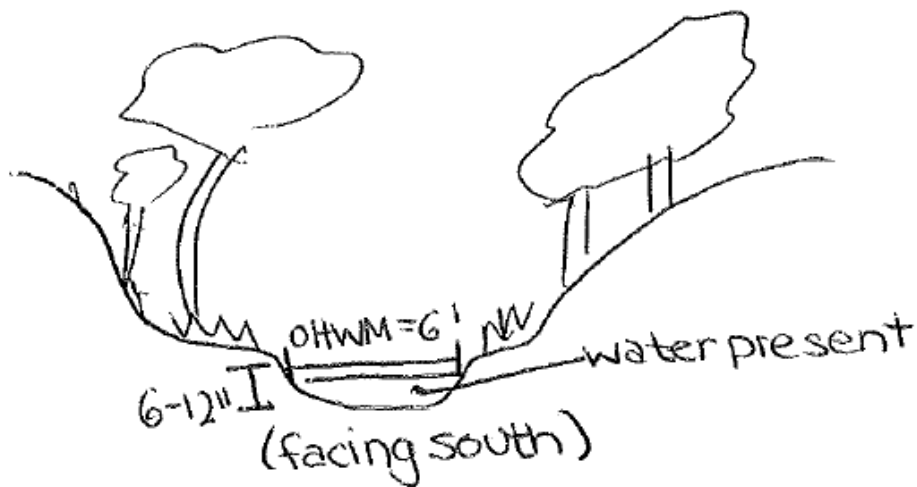
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 2  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Trib to Clemons Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): Pools at culvert and narrows to 4 ft outside of ROW; Pool is 30 ft at widest point  
(averages to 15' OHWM)  
OHWM Height (in): 2 ft at pool and 6-8 inches outside ROW  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): Gravel and silt  
Water Quality:  
Clear Slightly Turbid Turbid Very Turbid  
Color of water if other than clear: Greenish brown

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles  
Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation  
Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

Small fish  
\_\_\_\_\_  
\_\_\_\_\_

Riparian Vegetation: List species observed.

Broadleaf cattail, Bermuda grass, Johnson grass, rice cut grass, curly dock, bushy bluestem  
\_\_\_\_\_  
\_\_\_\_\_

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A  
\_\_\_\_\_  
\_\_\_\_\_



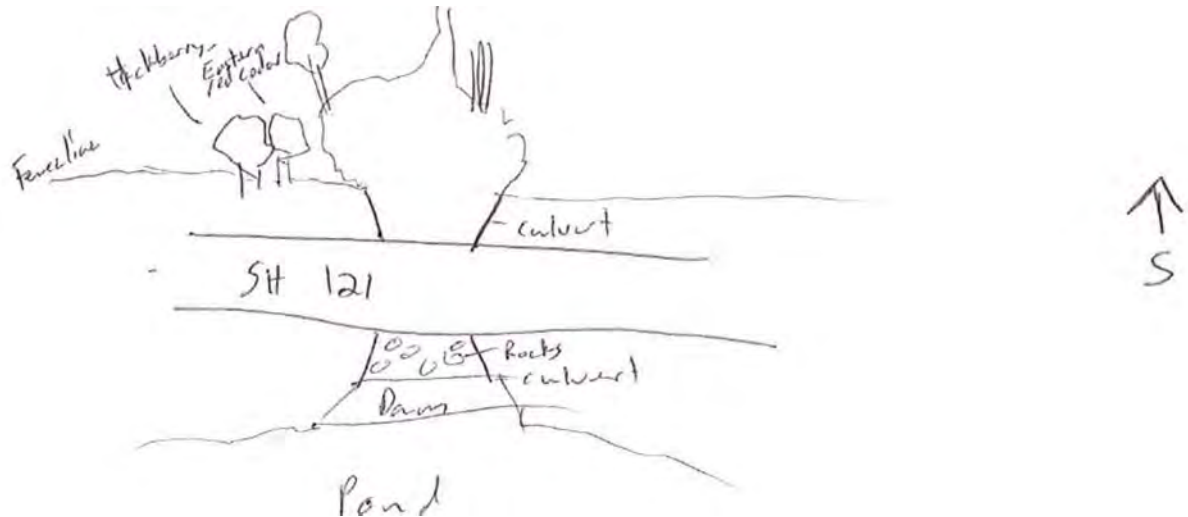
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

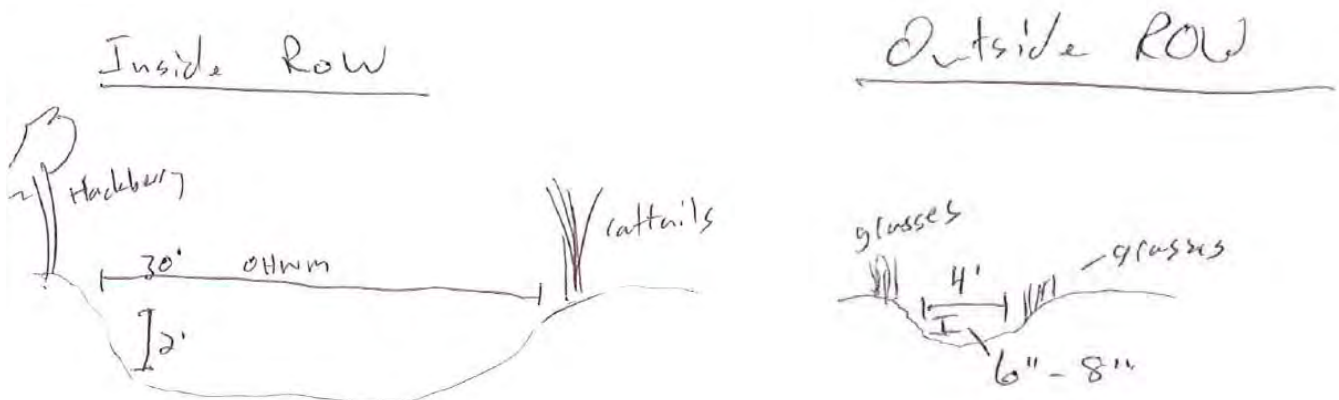
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 3  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Trib to Clemons Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 10 ft inside ROW; 6 ft outside ROW  
OHWM Height (in): 15  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): limestone

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles

Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

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Riparian Vegetation: List species observed.

black willow, cottonwood, eastern red cedar, sugarberry, Johnson grass, greenbriar,  
ragweed, Bermuda grass, Aster sp.

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T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A

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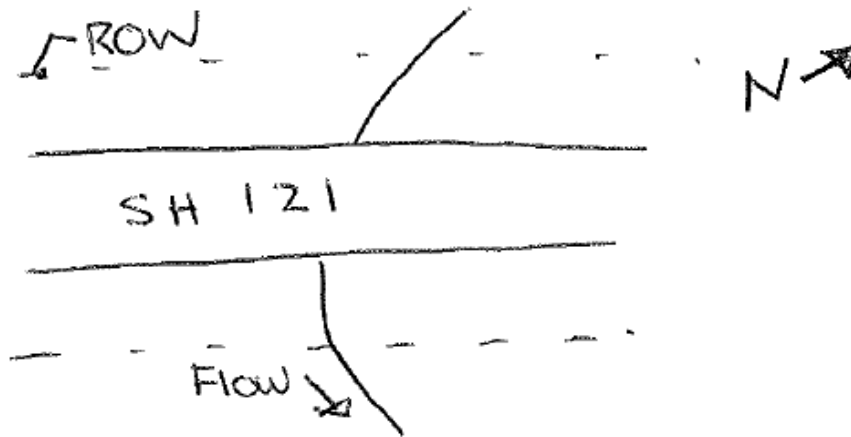
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 4  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Clemons Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 20 ft inside ROW; 15 ft outside ROW  
OHWM Height (in): 5  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): limestone

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles

Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Riparian Vegetation: List species observed.

Cedar elm, eastern red cedar, chinquapin oak, Johnson grass, Shumard oak, cottonwood, ragweed

\_\_\_\_\_

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A  
\_\_\_\_\_  
\_\_\_\_\_



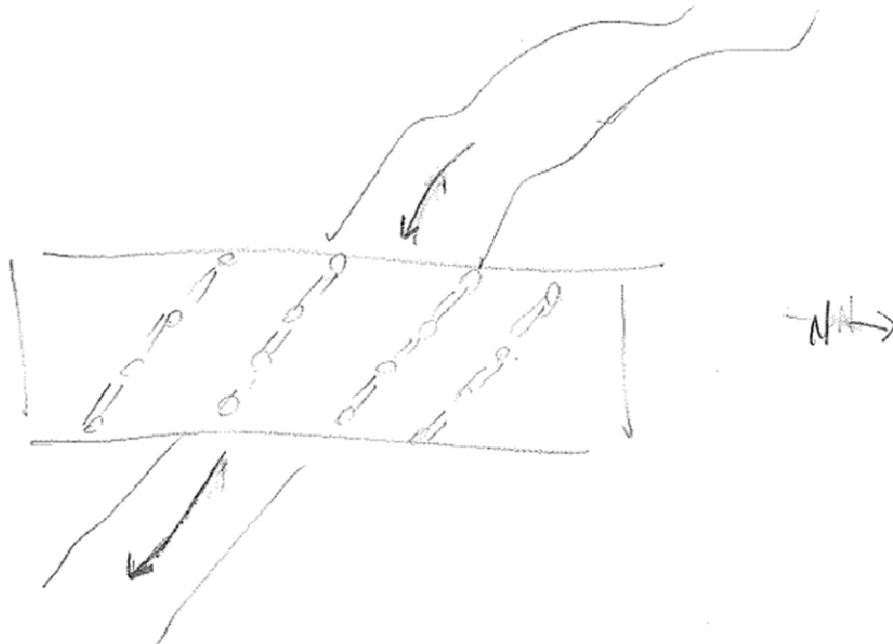
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

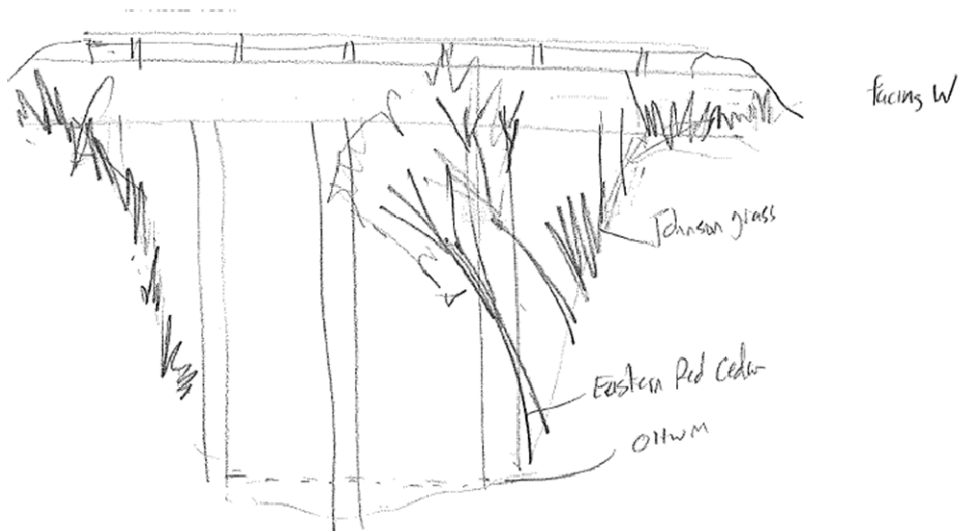
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 5  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Stiff Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): North – 8 ft inside ROW; 6 ft outside ROW; South – 6 ft inside ROW; 3 ft outside ROW  
OHWM Height (in): 6 inches  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): Silt  
Water Quality:  
Clear Slightly Turbid Turbid Very Turbid  
Color of water if other than clear: Brown

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles  
Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation  
Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

minnows  
\_\_\_\_\_  
\_\_\_\_\_

Riparian Vegetation: List species observed.

Cedar elm, sugarberry, ragweed, Johnson grass, eastern red cedar, Bermuda grass

Note: South bank has been disturbed and riparian area has been cleared  
\_\_\_\_\_  
\_\_\_\_\_

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A  
\_\_\_\_\_  
\_\_\_\_\_



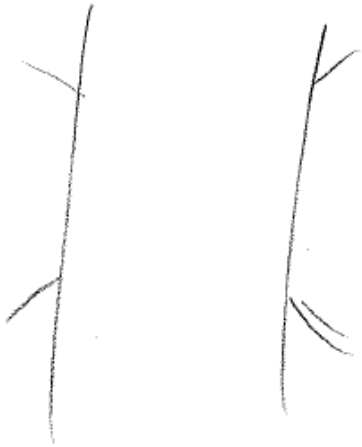
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

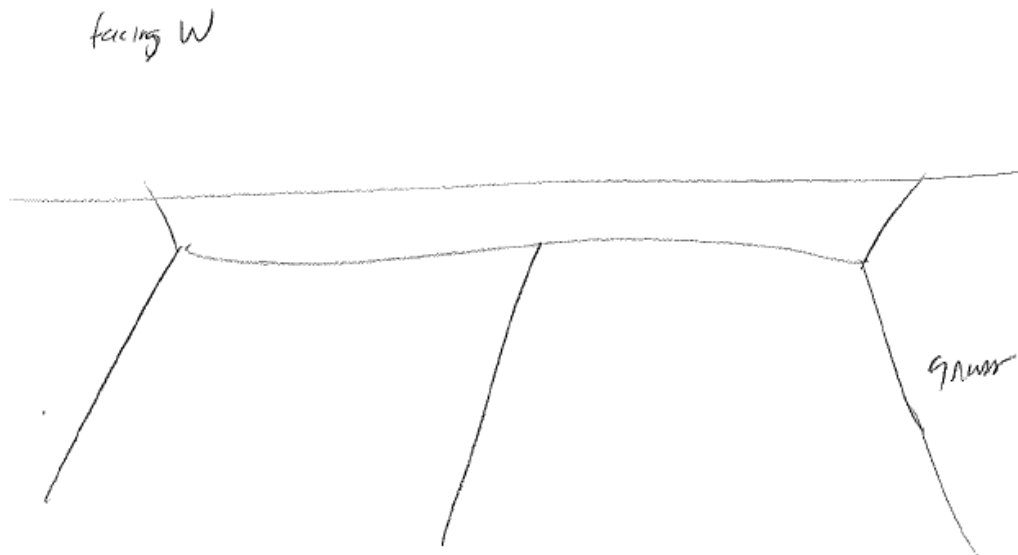
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 6  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Trib to Brinlee Branch County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 6 ft inside ROW; 2 ft outside ROW  
OHWM Height (in): 2  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): limestone

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles

Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Riparian Vegetation: List species observed.

Sugarberry, black willow, American elm, greenbriar, Virginia wild rye, poison ivy, ragweed

\_\_\_\_\_  
\_\_\_\_\_

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A

\_\_\_\_\_  
\_\_\_\_\_

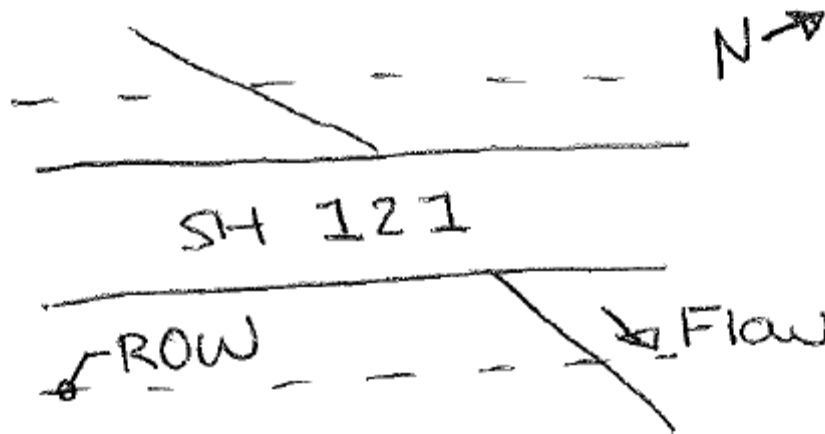
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

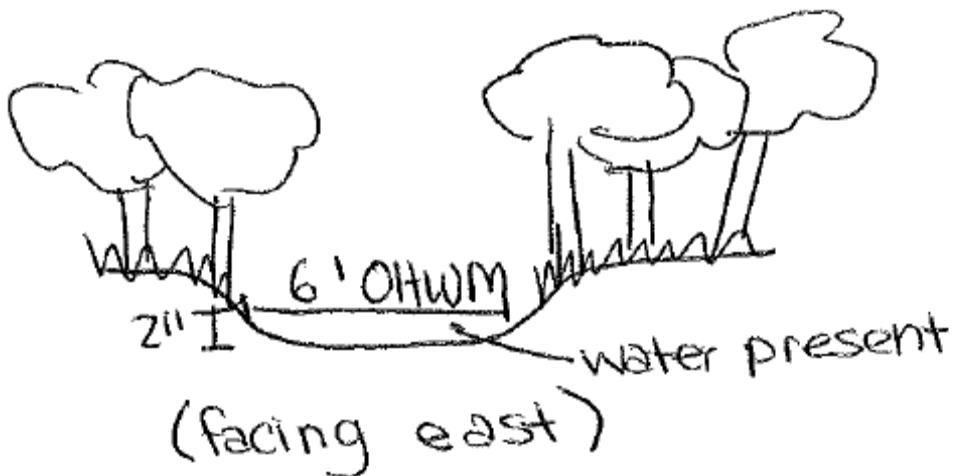
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 7  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009

USGS Stream Name: Trib to Sister Grove  
Creek/Brinlee Branch County/State: Collin

Stream Type: ☐ Ephemeral ☐ Intermittent ☒ Perennial

Stream Flow Direction: South

OHWM Width (ft): 10 ft inside ROW; 8 ft outside ROW

OHWM Height (in): 4 inches

Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): clay

Water Quality:

☒ Clear ☐ Slightly Turbid ☐ Turbid ☐ Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

☐ Sand bar ☐ Sand/Gravel/beach/bar ☐ Mud bar ☐ Gravel riffles

☒ Overhanging trees/shrubs

☐ Deep pool/hole/channel

☒ Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

invertebrates

Riparian Vegetation: List species observed.

honey locust, black willow, ragweed, eastern red cedar, cedar elm, sugarberry, Johnson  
grass, greenbriar, poison ivy, curly dock, duckweed, longleaf pondweed, arrowhead, rice  
cutgrass

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A

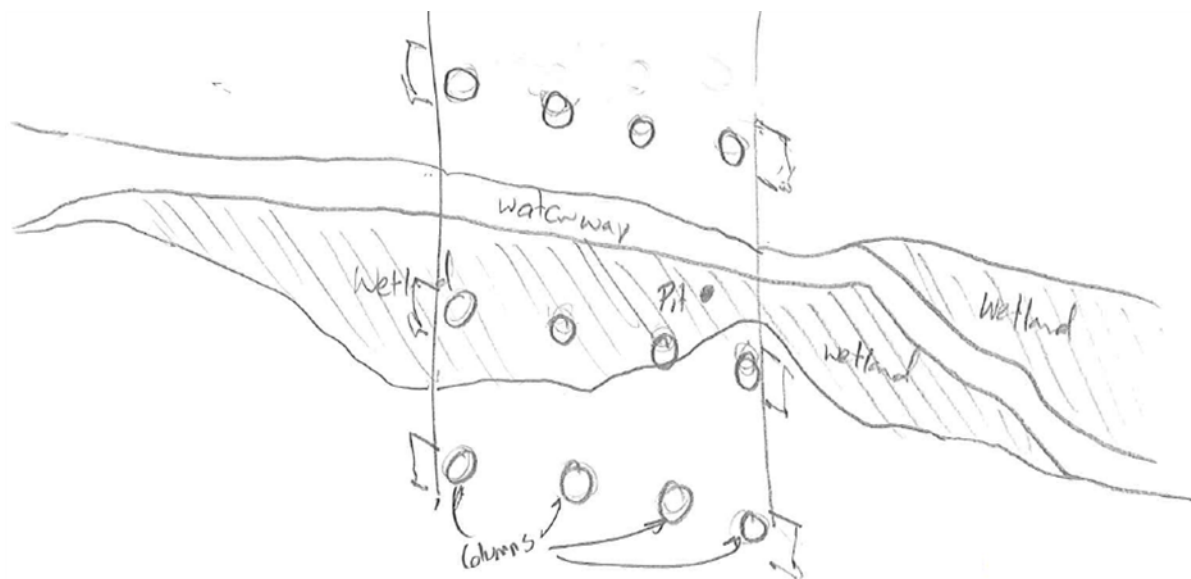
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

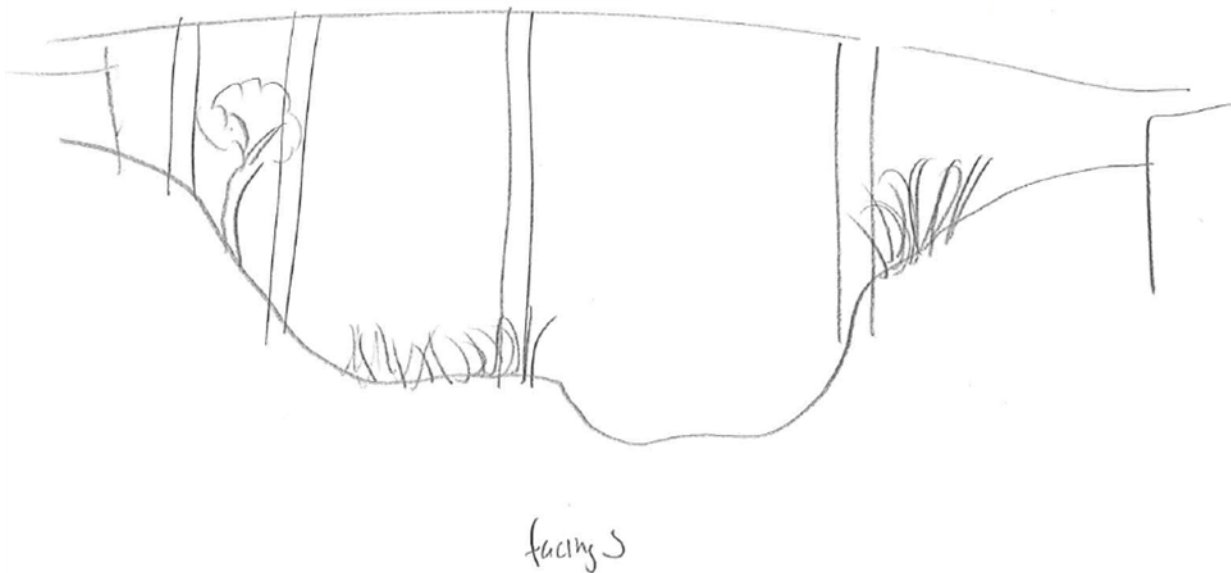
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 8  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Trib to Sister Grove Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 4 ft inside of ROW; 4 ft outside ROW  
OHWM Height (in): 3 inches  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): Silt and gravel

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles

Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

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Riparian Vegetation: List species observed.

Johnson grass, bois d'arc, eastern red cedar, sugarberry, morning glory, pecan, American elm

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T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

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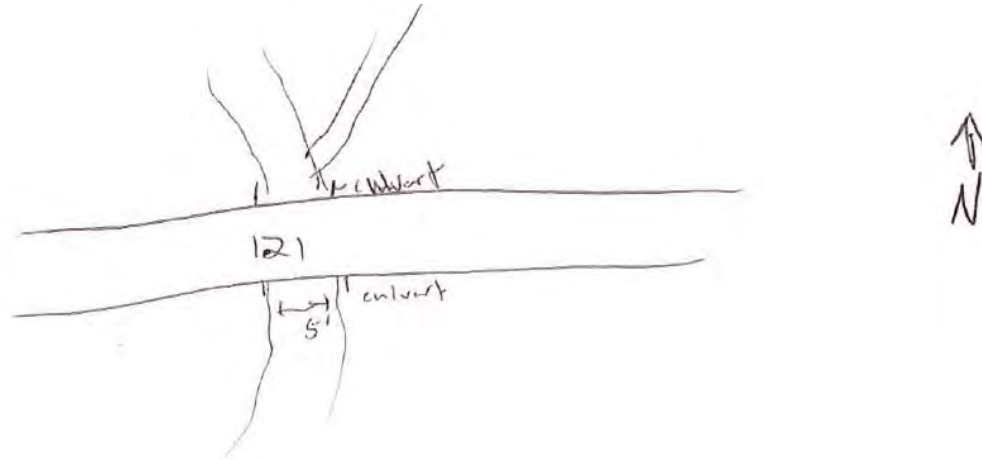
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 9  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Trib to Sister Grove Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 25 ft inside ROW; 6 ft outside ROW  
OHWM Height (in): 5 inches  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): silt

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles

Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

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Riparian Vegetation: List species observed.

Poison ivy, cattails, Johnson grass, black willow, eastern red cedar, honey locust, sugarberry

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T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A

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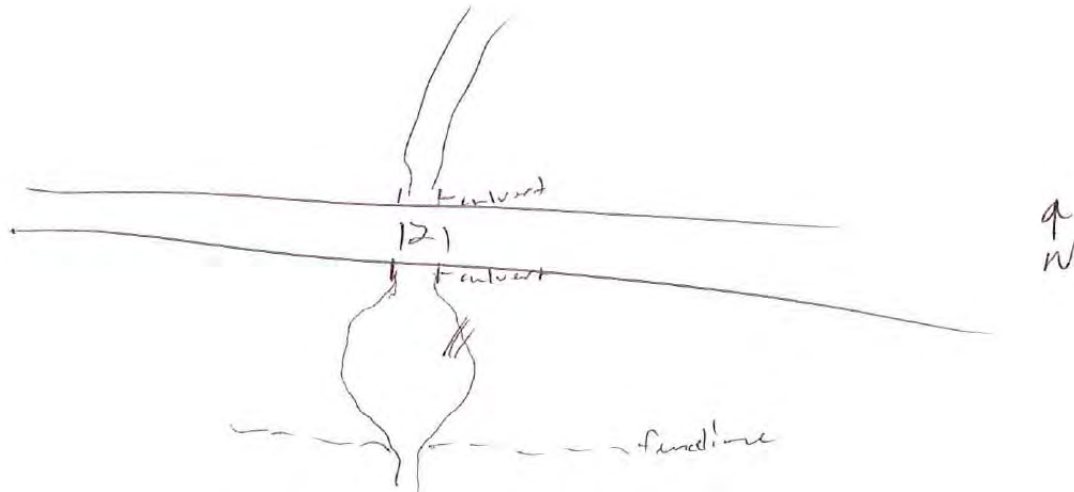
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 10  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Sister Grove Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 60 ft inside ROW; 35 ft outside ROW  
OHWM Height (in): 12 inches  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): clay

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles

Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

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Riparian Vegetation: List species observed.

Boxelder, honey locust, aster, bois d'arc, greenbriar, Johnson grass, poison ivy, black willow

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T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A

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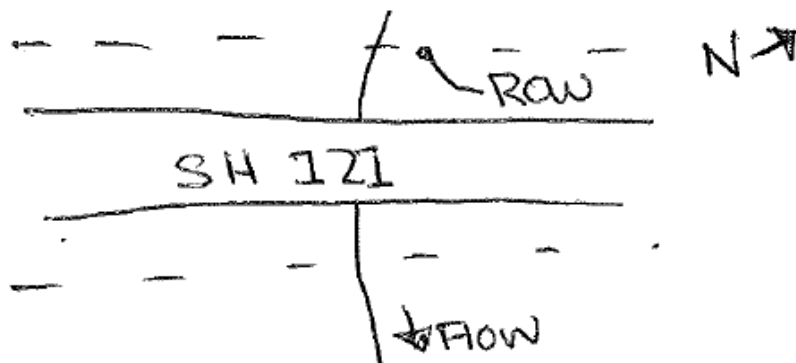
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

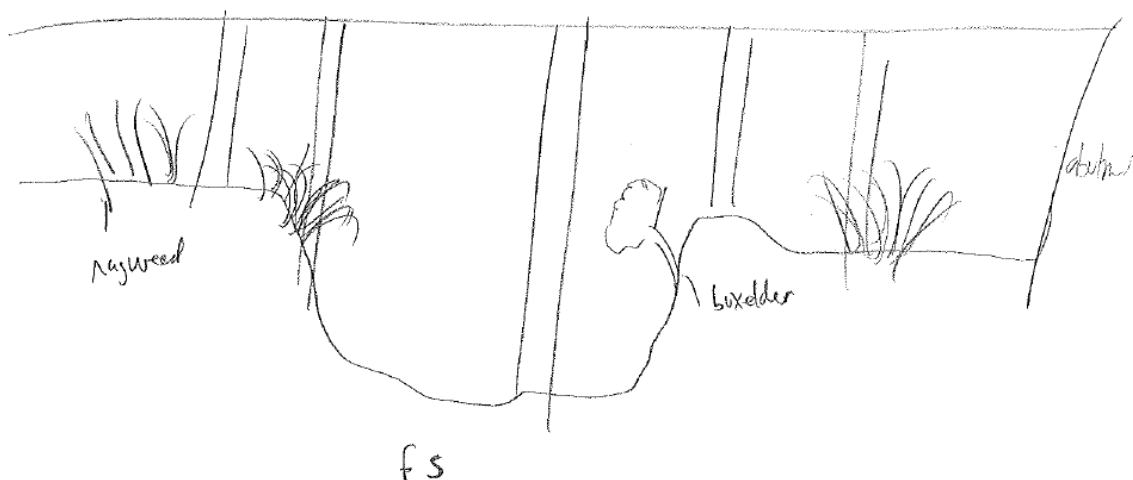
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 11  
Project: SH 121  
CSJ: 0549-03-018

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Trib to Sister Grove Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 3 ft inside and outside of OHWM  
OHWM Height (in): 2 inches  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): Silt/gravel

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid  
Color of water if other than clear: No water present

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles  
Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation  
Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

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Riparian Vegetation: List species observed.

sugarberry, eastern red cedar, American elm, ragweed, greenbriar, honeylocust  
\_\_\_\_\_  
\_\_\_\_\_

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A  
\_\_\_\_\_  
\_\_\_\_\_

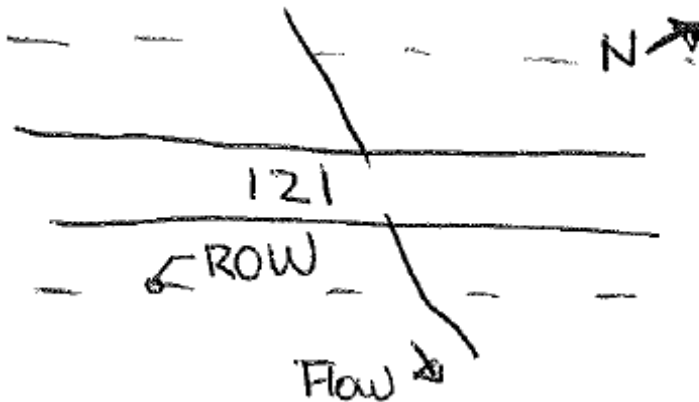
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

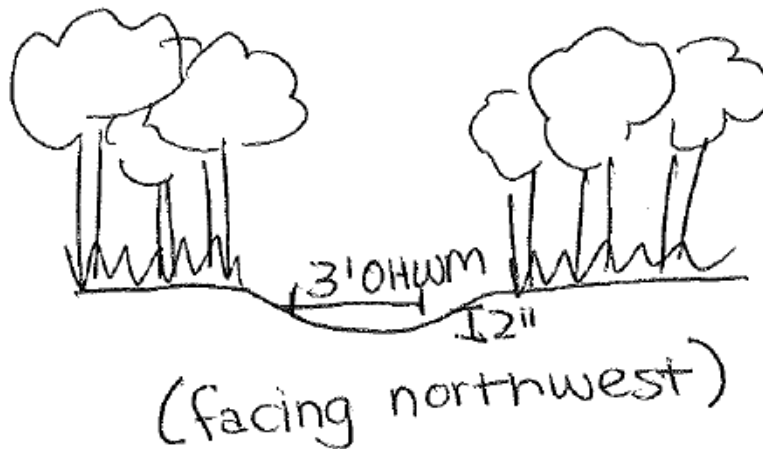
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 12  
Project: SH 121  
CSJ: 0549-03-018

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Trib to Pilot Grove Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 45 ft at culvert; narrows to 15 ft inside and outside of ROW  
OHWM Height (in): 12 inches  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): Limestone/gravel

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles

Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Riparian Vegetation: List species observed.

American elm, eastern red cedar, Johnson grass, sugarberry, hickory 26" DBH, rough-leaf Dogwood, chinkapin oak, and South red oak saplings

\_\_\_\_\_

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A  
\_\_\_\_\_  
\_\_\_\_\_

## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

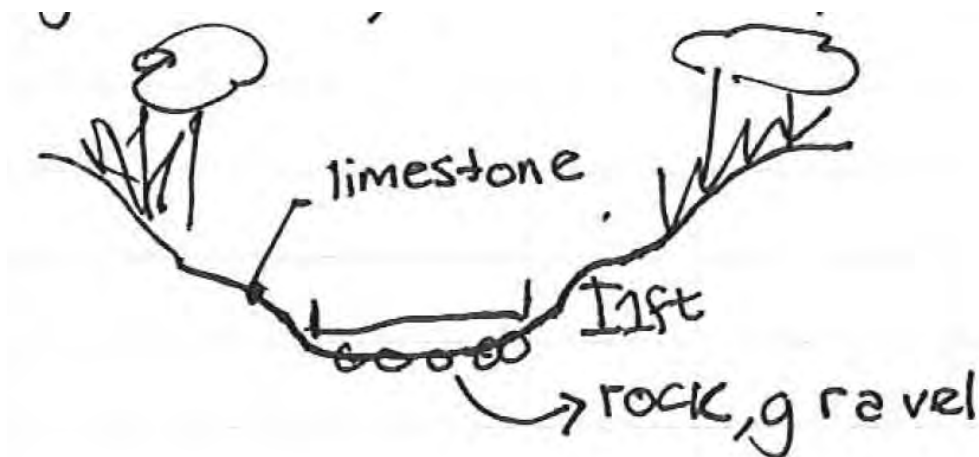
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 13  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Trib to Pilot Grove Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 10 ft inside and outside of ROW  
OHWM Height (in): 16 inches  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): sediment  
Water Quality:  
Clear Slightly Turbid Turbid Very Turbid  
Color of water if other than clear: Brownish grey

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles  
Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation  
Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Riparian Vegetation: List species observed.

sugarberry, poison ivy, greenbriar, American elm, and pecan  
\_\_\_\_\_  
\_\_\_\_\_

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A  
\_\_\_\_\_  
\_\_\_\_\_

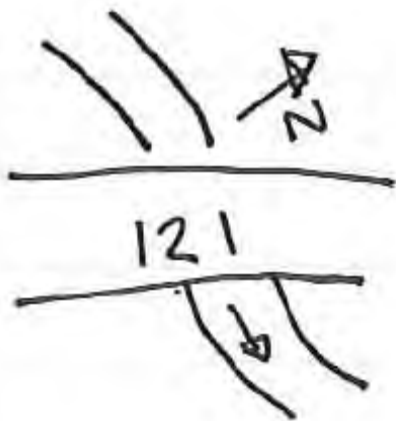
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

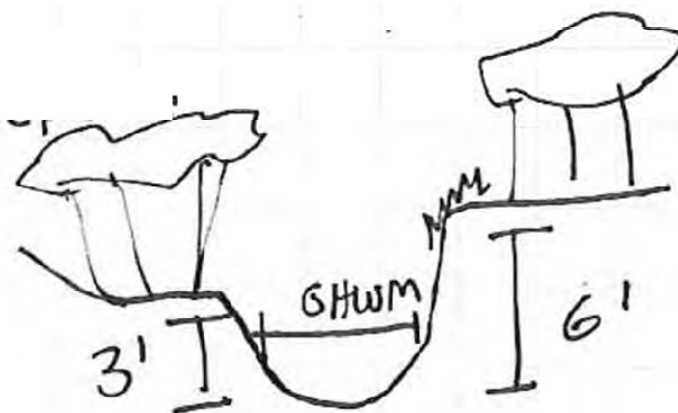
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 14  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Pilot Grove Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 40 ft inside ROW; 30 ft outside ROW  
OHWM Height (in): 6  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): clay

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid

Color of water if other than clear: \_\_\_\_\_

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles

Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

frogs  
\_\_\_\_\_  
\_\_\_\_\_

Riparian Vegetation: List species observed.

Black willow, ragweed, green ash, cottonwood, poison ivy, Johnson grass, Aster sp.

\*Mature trees (greater than 20" dbh) in the area – spaced about 20 ft apart

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A  
\_\_\_\_\_  
\_\_\_\_\_

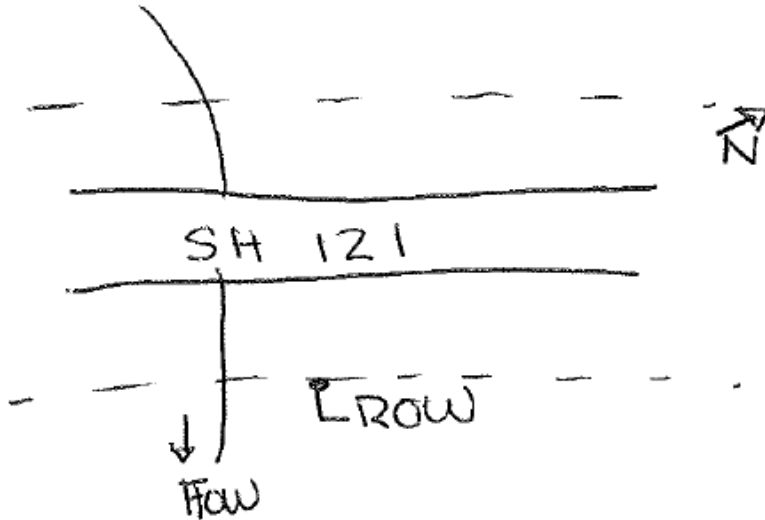
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

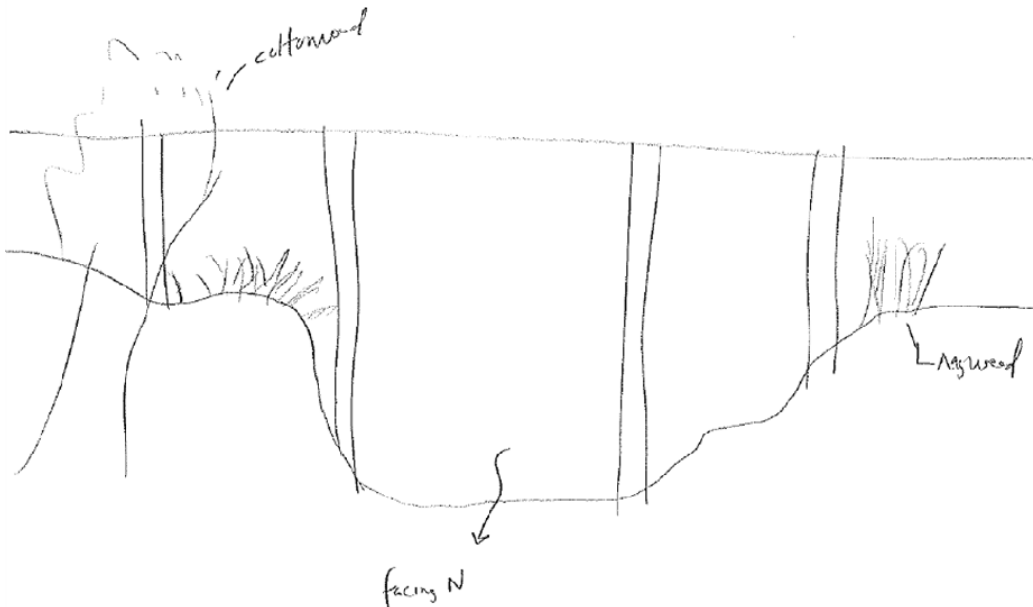
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 15  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Trib to Pilot Grove Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 6-8 ft  
OHWM Height (in): 2  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): silt

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid  
Color of water if other than clear: No water present – recently wet

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles  
Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation  
Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

Riparian Vegetation: List species observed.

Black willow, giant ragweed, green ash, eastern red cedar, American elm, and shumard oak  
26" DBH

T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A

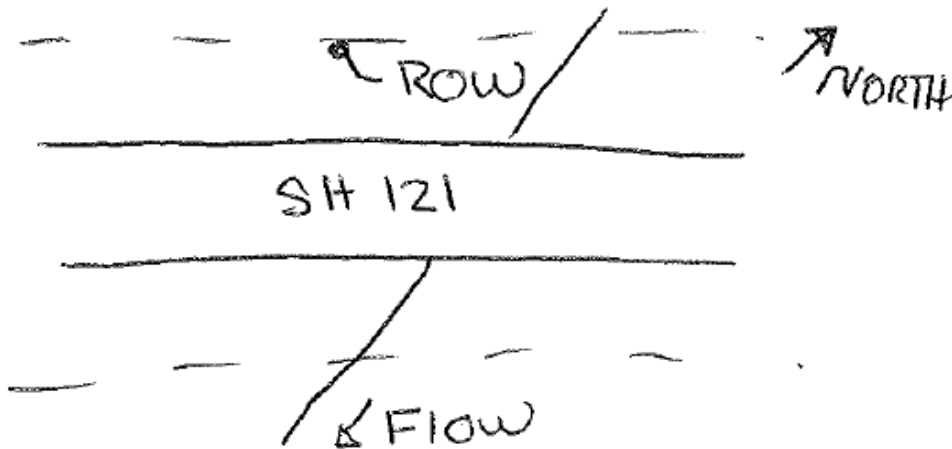
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





Stream Data Form #: 16  
Project: SH 121  
CSJ: 0549-03-018, 0549-03-021

## Stream Data Form

Surveyor(s): ML, WS Date of Field Work: 06/18/2009  
USGS Stream Name: Desert Creek County/State: Collin  
Stream Type: Ephemeral Intermittent Perennial  
Stream Flow Direction: South  
OHWM Width (ft): 35 ft inside ROW; 15 ft outside ROW  
OHWM Height (in): 4  
Stream bottom composition (bedrock, gravel, sand, silt, clay, organic): gravel

### Water Quality:

Clear Slightly Turbid Turbid Very Turbid  
Color of water if other than clear: No water present

Aquatic Habitat: Indicate all types present within ROW/project limits.

Sand bar Sand/Gravel/beach/bar Mud bar Gravel riffles  
Overhanging trees/shrubs Deep pool/hole/channel Aquatic vegetation

Other: \_\_\_\_\_

Aquatic Organisms: List all species observed. This would include waterfowl, fish, snakes, turtles, frogs, invertebrates, etc.

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Riparian Vegetation: List species observed.

Pecan, Johnson grass, ragweed, sugarberry, greenbriar, cedar elm, Vitis sp, black walnut,  
Poison ivy, and Virginia creeper

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T&E Species/Suitable Habitat: List T&E species observed or which species the habitat is suitable for.

N/A

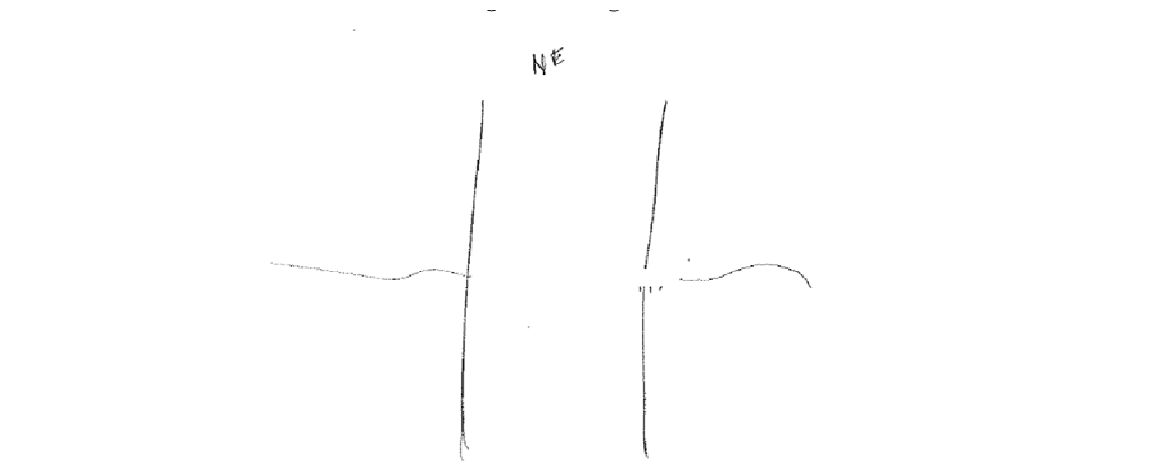
## Stream Data Form (continued)

Please provide a plan and section view sketch of the stream channel.

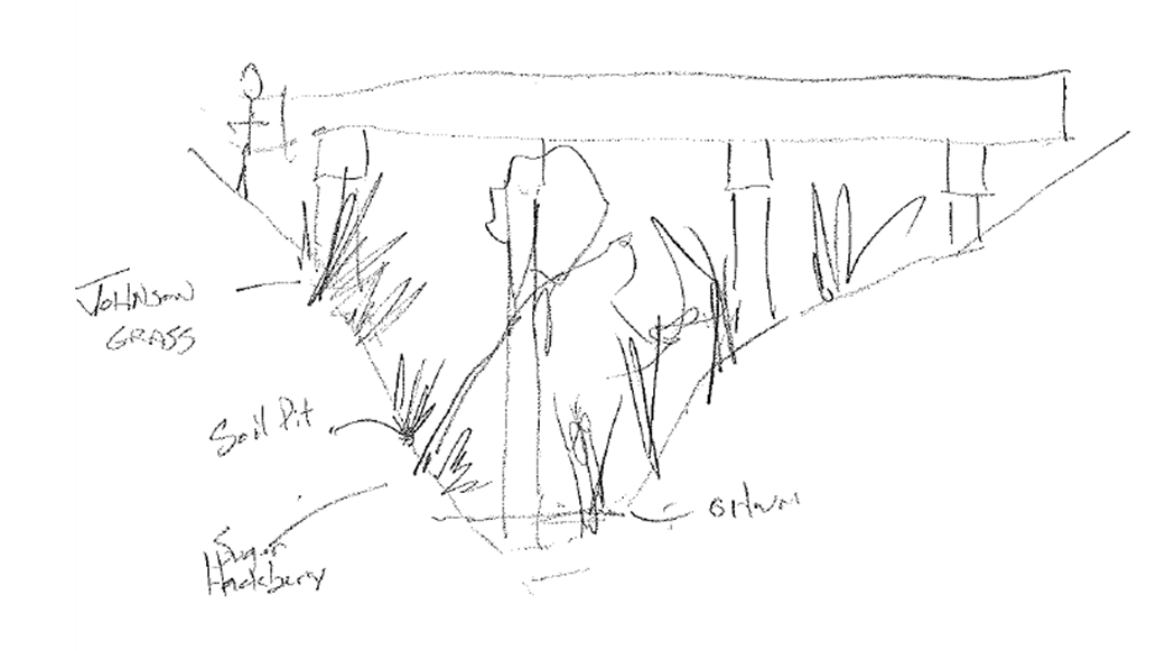
Sketch should include:

- directional arrow;
- width of channel from top of bank to top of bank; and,
- width of stream from water edge to water edge.

Plan View



Section View





**Appendix B**

**Woodland Data Forms**

# TxDOT WOODLANDS DATA FORM

## GENERAL

|   |                                  |              |        |         |         |
|---|----------------------------------|--------------|--------|---------|---------|
| Project/Site  | SH 121/Woodland form location #1 |              |        | Date    | 6-18-09 |
| CSJ   | 0549-03-018,<br>0549-03-021      | Investigator | ML, WS | County  | Collin  |
| Filename  |                                  |              |        |         |         |
| Project Scope   |                                  |              |        |         |         |
| Widen two lane rural highway to four lane divided roadway   |                                  |              |        |         |         |
| Description of Wooded Site (riparian, upland, fence line, overstory/understory, disturbed, diverse, etc.) |                                  |              |        |         |         |
| Fence line  |                                  |              |        |         |         |
| Is Site Unusual or Typical of Others in the Area?   |                                  |              |        | Typical |         |

## SPECIES DESCRIPTION

| Species by Order of Dominance   |  |                      |
|---|--|----------------------|
| Common Name   | Taxonomic Name                                 | Range of Sizes (dbh) |
| Eastern red cedar   | <i>Juniperus virginiana</i>                    | 3-6 inches           |
| Acreage of Trees to be Removed  | .13 acre                                       |                      |
| Density per Acre  | Along fence – 10 ft apart (436 trees per acre) |                      |
| Remarks, Description of any Unique, Large, or Mature Trees ( $\geq 20''$ dbh) |  |                      |
|   |  |                      |

## HABITAT VALUE

|  |                                      |
|--|--------------------------------------|
| Is the Site Adjacent to Water?                           | No                                   |
| Is the Site in a Developed Area?                         | Residential on opposite side of road |
| Do Plants Produce Nuts, Berries, or Acorns?              |                                      |
| No   |                                      |
| Land Use in the Project Area.                            |                                      |
| Along edge of field, residential on other side of SH 121 |                                      |
| Evidence or Sightings of Wildlife in the Project Area?   |                                      |
| No   |                                      |
| Remarks  |                                      |
|  |                                      |



# TxDOT WOODLANDS DATA FORM

## GENERAL

|   |                                  |              |        |        |         |
|---|----------------------------------|--------------|--------|--------|---------|
| Project/Site  | SH 121/Woodland form location #2 |              |        | Date   | 6-18-09 |
| CSJ   | 0549-03-018,<br>0549-03-021      | Investigator | ML, WS | County | Collin  |
| Filename  |                                  |              |        |        |         |
| Project Scope   |                                  |              |        |        |         |
| Widen two lane rural highway to four lane divided roadway   |                                  |              |        |        |         |
| Description of Wooded Site (riparian, upland, fence line, overstory/understory, disturbed, diverse, etc.) |                                  |              |        |        |         |
| Riparian – Tributary to Clemons Creek   |                                  |              |        |        |         |
| Is Site Unusual or Typical of Others in the Area?   |                                  | Typical      |        |        |         |

## SPECIES DESCRIPTION

| Species by Order of Dominance   |   |                            |
|---|---|----------------------------|
| Common Name   | Taxonomic Name                                  | Range of Sizes (dbh)       |
| Eastern red cedar   | <i>Juniperus virginiana</i>                     | 6-10 inches; some saplings |
| Cottonwood  | <i>Populus deltoides</i>                        | 6-10 inches                |
| Cedar elm   | <i>Ulmus crassifolia</i>                        | 6-10 inches                |
| Sugarberry  | <i>Celtis laevigata</i>                         | 6-10 inches                |
| Black willow  | <i>Salix nigra</i>                              | 6-10 inches                |
| Acreage of Trees to be Removed  | .3 acre   |                            |
| Density per Acre  | 5 ft – 10 ft apart (1,742 – 436 trees per acre) |                            |
| Remarks, Description of any Unique, Large, or Mature Trees ( $\geq 20''$ dbh)     |   |                            |
| The area contains densely wooded and sparsely wooded areas, so tree impacts vary. |   |                            |

## HABITAT VALUE

|  |                    |
|--|--------------------|
| Is the Site Adjacent to Water?                         | Yes                |
| Is the Site in a Developed Area?                       | Residential nearby |
| Do Plants Produce Nuts, Berries, or Acorns?            |                    |
| Yes  |                    |
| Land Use in the Project Area.                          |                    |
| Rural  |                    |
| Evidence or Sightings of Wildlife in the Project Area? |                    |
| Rabbit   |                    |
| Remarks  |                    |
|  |                    |

# TxDOT WOODLANDS DATA FORM

## GENERAL

|   |                                  |              |         |        |         |
|---|----------------------------------|--------------|---------|--------|---------|
| Project/Site  | SH 121/Woodland form location #3 |              |         | Date   | 6-18-09 |
| CSJ   | 0549-03-018,<br>0549-03-021      | Investigator | ML, WS  | County | Collin  |
| Filename  |                                  |              |         |        |         |
| Project Scope   |                                  |              |         |        |         |
| Widen two lane rural highway to four lane divided roadway   |                                  |              |         |        |         |
| Description of Wooded Site (riparian, upland, fence line, overstory/understory, disturbed, diverse, etc.) |                                  |              |         |        |         |
| Upland  |                                  |              |         |        |         |
| Is Site Unusual or Typical of Others in the Area?   |                                  |              | Typical |        |         |

## SPECIES DESCRIPTION

| Species by Order of Dominance   |                           |                      |
|---|---------------------------|----------------------|
| Common Name   | Taxonomic Name            | Range of Sizes (dbh) |
| Cedar elm   | <i>Ulmus crassifolia</i>  | 3-6 inches           |
| Sugarberry  | <i>Celtis laevigata</i>   | 2-6 inches           |
| Honey locust  | <i>Gymnocladus dioica</i> | 4-6 inches           |
| Acreage of Trees to be Removed  | .08 acre                  |                      |
| Density per Acre  | 3 to 4 ft apart (2,722)   |                      |
| Remarks, Description of any Unique, Large, or Mature Trees ( $\geq 20''$ dbh) |                           |                      |
|   |                           |                      |

## HABITAT VALUE

|  |    |
|--|----|
| Is the Site Adjacent to Water?                         | No |
| Is the Site in a Developed Area?                       | No |
| Do Plants Produce Nuts, Berries, or Acorns?            |    |
| Yes  |    |
| Land Use in the Project Area.                          |    |
| Commercial across SH 121; rural/fields                 |    |
| Evidence or Sightings of Wildlife in the Project Area? |    |
| No   |    |
| Remarks  |    |
|  |    |



# TxDOT WOODLANDS DATA FORM

## GENERAL

|   |                                  |              |        |         |         |
|---|----------------------------------|--------------|--------|---------|---------|
| Project/Site  | SH 121/Woodland form location #4 |              |        | Date    | 6-18-09 |
| CSJ   | 0549-03-018,<br>0549-03-021      | Investigator | ML, WS | County  | Collin  |
| Filename  |                                  |              |        |         |         |
| Project Scope   |                                  |              |        |         |         |
| Widen two lane rural highway to four lane divided roadway   |                                  |              |        |         |         |
| Description of Wooded Site (riparian, upland, fence line, overstory/understory, disturbed, diverse, etc.) |                                  |              |        |         |         |
| Fence line  |                                  |              |        |         |         |
| Is Site Unusual or Typical of Others in the Area?   |                                  |              |        | Typical |         |

## SPECIES DESCRIPTION

| Species by Order of Dominance   |   |                            |
|---|---|----------------------------|
| Common Name   | Taxonomic Name  | Range of Sizes (dbh)       |
| Cedar elm   | <i>Ulmus crassifolia</i>  | 6-8 inches (some saplings) |
| Sugarberry  | <i>Celtis laevigata</i>   | 6-8 inches (some saplings) |
| American elm  | <i>Ulmus americana</i>  | 6-8 inches (some saplings) |
| Acreage of Trees to be Removed  | .08 acre  |                            |
| Density per Acre  | Approximately 4 ft apart along fenceline (2,722 trees per acre) |                            |
| Remarks, Description of any Unique, Large, or Mature Trees ( $\geq 20''$ dbh) |   |                            |
|   |   |                            |

## HABITAT VALUE

|  |       |
|--|-------|
| Is the Site Adjacent to Water?                         | No    |
| Is the Site in a Developed Area?                       | Rural |
| Do Plants Produce Nuts, Berries, or Acorns?            |       |
| Yes  |       |
| Land Use in the Project Area.                          |       |
| Rural  |       |
| Evidence or Sightings of Wildlife in the Project Area? |       |
| No   |       |
| Remarks  |       |
|  |       |

# TxDOT WOODLANDS DATA FORM

## GENERAL

|   |                                  |              |        |         |         |
|---|----------------------------------|--------------|--------|---------|---------|
| Project/Site  | SH 121/Woodland form location #5 |              |        | Date    | 6-18-09 |
| CSJ   | 0549-03-018,<br>0549-03-021      | Investigator | ML, WS | County  | Collin  |
| Filename  |                                  |              |        |         |         |
| Project Scope   |                                  |              |        |         |         |
| Widen two lane rural highway to four lane divided roadway   |                                  |              |        |         |         |
| Description of Wooded Site (riparian, upland, fence line, overstory/understory, disturbed, diverse, etc.) |                                  |              |        |         |         |
| Fence line  |                                  |              |        |         |         |
| Is Site Unusual or Typical of Others in the Area?   |                                  |              |        | Typical |         |

## SPECIES DESCRIPTION

| Species by Order of Dominance   |   |                      |
|---|---|----------------------|
| Common Name   | Taxonomic Name  | Range of Sizes (dbh) |
| Sugarberry  | <i>Celtis laevigata</i>                                     | 8-10 inches          |
| Acreage of Trees to be Removed  | .08 acre  |                      |
| Density per Acre  | Approximately 6 ft apart along fence (1,210 trees per acre) |                      |
| Remarks, Description of any Unique, Large, or Mature Trees ( $\geq 20''$ dbh) |   |                      |
|   |   |                      |

## HABITAT VALUE

|  |       |
|--|-------|
| Is the Site Adjacent to Water?                         | No    |
| Is the Site in a Developed Area?                       | Rural |
| Do Plants Produce Nuts, Berries, or Acorns?            |       |
| Yes  |       |
| Land Use in the Project Area.                          |       |
| Rural/fields   |       |
| Evidence or Sightings of Wildlife in the Project Area? |       |
| No   |       |
| Remarks  |       |
|  |       |



# TxDOT WOODLANDS DATA FORM

## GENERAL

|   |                                  |              |         |        |         |
|---|----------------------------------|--------------|---------|--------|---------|
| Project/Site  | SH 121/Woodland form location #6 |              |         | Date   | 6-18-09 |
| CSJ   | 0549-03-018,<br>0549-03-021      | Investigator | ML, WS  | County | Collin  |
| Filename  |                                  |              |         |        |         |
| Project Scope   |                                  |              |         |        |         |
| Widen two lane rural highway to four lane divided roadway   |                                  |              |         |        |         |
| Description of Wooded Site (riparian, upland, fence line, overstory/understory, disturbed, diverse, etc.) |                                  |              |         |        |         |
| Riparian  |                                  |              |         |        |         |
| Is Site Unusual or Typical of Others in the Area?   |                                  |              | Typical |        |         |

## SPECIES DESCRIPTION

| Species by Order of Dominance   |   |                                       |
|---|---|---------------------------------------|
| Common Name   | Taxonomic Name                                  | Range of Sizes (dbh)                  |
| Eastern red cedar   | <i>Juniperus virginiana</i>                     | 4"                                    |
| Sugarberry  | <i>Celtis laevigata</i>                         | 10", 6", 20", 24", 12", 16", 16", 12" |
| Honey locust  | <i>Gymnocladus dioica</i>                       | 1-2"                                  |
| American elm  | <i>Ulmus americana</i>                          | 36", 18", 20", 18"                    |
| Chinaberry  | <i>Melia azedarach</i>                          | 4"                                    |
| Live oak  | <i>Quercus virginiana</i>                       | 8"                                    |
| Bois d'arc  | <i>Maclura pomifera</i>                         | 16", 16"                              |
| Acreage of Trees to be Removed  | .2 acre   |                                       |
| Density per Acre  | 5 ft – 10 ft apart (1,742 – 436 trees per acre) |                                       |
| Remarks, Description of any Unique, Large, or Mature Trees (≥20" dbh) |   |                                       |
| A few large American elms greater than 20" dbh.                       |   |                                       |

## HABITAT VALUE

|  |       |
|--|-------|
| Is the Site Adjacent to Water?                         | Yes   |
| Is the Site in a Developed Area?                       | Rural |
| Do Plants Produce Nuts, Berries, or Acorns?            |       |
| Yes  |       |
| Land Use in the Project Area.                          |       |
| Rural/field  |       |
| Evidence or Sightings of Wildlife in the Project Area? |       |
| No   |       |
| Remarks  |       |
|  |       |

# TxDOT WOODLANDS DATA FORM

## GENERAL

|   |                                  |              |        |         |         |
|---|----------------------------------|--------------|--------|---------|---------|
| Project/Site  | SH 121/Woodland form location #7 |              |        | Date    | 6-18-09 |
| CSJ   | 0549-03-018,<br>0549-03-021      | Investigator | ML, WS | County  | Collin  |
| Filename  |                                  |              |        |         |         |
| Project Scope   |                                  |              |        |         |         |
| Widen two lane rural highway to four lane divided roadway   |                                  |              |        |         |         |
| Description of Wooded Site (riparian, upland, fence line, overstory/understory, disturbed, diverse, etc.) |                                  |              |        |         |         |
| Upland near Tributary to Sister Grove Creek   |                                  |              |        |         |         |
| Is Site Unusual or Typical of Others in the Area?   |                                  |              |        | Typical |         |

## SPECIES DESCRIPTION

| Species by Order of Dominance   |                                  |                      |
|---|----------------------------------|----------------------|
| Common Name   | Taxonomic Name                   | Range of Sizes (dbh) |
| Eastern red cedar   | <i>Juniperus virginiana</i>      | 6-10"                |
| Pecan   | <i>Carya illinoensis</i>         | 10-16"               |
| Sugarberry  | <i>Celtis laevigata</i>          | 8-20"                |
| Honey locust  | <i>Gymnocladus dioica</i>        | 10-16"               |
| American elm  | <i>Ulmus americana</i>           | 6-16"                |
| Acreage of Trees to be Removed  | .04 acre                         |                      |
| Density per Acre  | 6 ft apart (1210 trees per acre) |                      |
| Remarks, Description of any Unique, Large, or Mature Trees ( $\geq 20''$ dbh) |                                  |                      |
|   |                                  |                      |

## HABITAT VALUE

|  |    |
|--|----|
| Is the Site Adjacent to Water?                         | No |
| Is the Site in a Developed Area?                       | No |
| Do Plants Produce Nuts, Berries, or Acorns?            |    |
| Yes  |    |
| Land Use in the Project Area.                          |    |
| Rural/agriculture                                      |    |
| Evidence or Sightings of Wildlife in the Project Area? |    |
| No   |    |
| Remarks  |    |
|  |    |



# TxDOT WOODLANDS DATA FORM

## GENERAL

|   |                                  |              |         |        |         |
|---|----------------------------------|--------------|---------|--------|---------|
| Project/Site  | SH 121/Woodland form location #8 |              |         | Date   | 6-18-09 |
| CSJ   | 0549-03-018,<br>0549-03-021      | Investigator | ML, WS  | County | Collin  |
| Filename  |                                  |              |         |        |         |
| Project Scope   |                                  |              |         |        |         |
| Widen two lane rural highway to four lane divided roadway   |                                  |              |         |        |         |
| Description of Wooded Site (riparian, upland, fence line, overstory/understory, disturbed, diverse, etc.) |                                  |              |         |        |         |
| Riparian – Pilot Grove Creek  |                                  |              |         |        |         |
| Is Site Unusual or Typical of Others in the Area?   |                                  |              | Typical |        |         |

## SPECIES DESCRIPTION

| Species by Order of Dominance   |                                 |                      |
|---|---------------------------------|----------------------|
| Common Name   | Taxonomic Name                  | Range of Sizes (dbh) |
| American elm  | <i>Ulmus americana</i>          | 3-8"                 |
| Box elder   | <i>Acer negundo</i>             | 10"                  |
| Green ash   | <i>Fraxinus pennsylvanica</i>   | 8-14"                |
| Acreage of Trees to be Removed  | .5 acre                         |                      |
| Density per Acre  | 9 ft apart (538 trees per acre) |                      |
| Remarks, Description of any Unique, Large, or Mature Trees ( $\geq 20$ " dbh) |                                 |                      |
|   |                                 |                      |

## HABITAT VALUE

|  |     |
|--|-----|
| Is the Site Adjacent to Water?                         | Yes |
| Is the Site in a Developed Area?                       | No  |
| Do Plants Produce Nuts, Berries, or Acorns?            |     |
| No   |     |
| Land Use in the Project Area.                          |     |
| Agricultural   |     |
| Evidence or Sightings of Wildlife in the Project Area? |     |
| No   |     |
| Remarks  |     |
|  |     |

# TxDOT WOODLANDS DATA FORM

## GENERAL

|   |                                  |              |         |        |         |
|---|----------------------------------|--------------|---------|--------|---------|
| Project/Site  | SH 121/Woodland form location #9 |              |         | Date   | 6-18-09 |
| CSJ   | 0549-03-018,<br>0549-03-021      | Investigator | ML, WS  | County | Collin  |
| Filename  |                                  |              |         |        |         |
| Project Scope   |                                  |              |         |        |         |
| Widen two lane rural highway to four lane divided roadway   |                                  |              |         |        |         |
| Description of Wooded Site (riparian, upland, fence line, overstory/understory, disturbed, diverse, etc.) |                                  |              |         |        |         |
| Riparian  |                                  |              |         |        |         |
| Is Site Unusual or Typical of Others in the Area?   |                                  |              | Typical |        |         |

## SPECIES DESCRIPTION

| Species by Order of Dominance   |                                 |                      |
|---|---------------------------------|----------------------|
| Common Name   | Taxonomic Name                  | Range of Sizes (dbh) |
| Cedar elm   | <i>Ulmus crassifolia</i>        | 4-6                  |
| Sugarberry  | <i>Celtis laevigata</i>         | 8                    |
| American elm  | <i>Ulmus americana</i>          | 12-18                |
| Bois d'arc  | <i>Maclura pomifera</i>         | 6-10"                |
| Pecan   | <i>Carya illinoensis</i>        | 8-11                 |
| Acreage of Trees to be Removed  | .4 acre                         |                      |
| Density per Acre  | 8 ft apart (680 trees per acre) |                      |
| Remarks, Description of any Unique, Large, or Mature Trees ( $\geq 20''$ dbh) |                                 |                      |
|   |                                 |                      |

## HABITAT VALUE

|  |     |
|--|-----|
| Is the Site Adjacent to Water?                         | Yes |
| Is the Site in a Developed Area?                       | No  |
| Do Plants Produce Nuts, Berries, or Acorns?            |     |
| Yes  |     |
| Land Use in the Project Area.                          |     |
| Rural  |     |
| Evidence or Sightings of Wildlife in the Project Area? |     |
| No   |     |
| Remarks  |     |
|  |     |

**Appendix C**

**Wetland Data Forms**



# WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site: SH 121 at tributary to Clemons Creek City/County: Collin Sampling Date: 06/18/09  
 Applicant/Owner: TxDOT State: TX Sampling Point: 1  
 Investigator(s): DVG, JM Section, Township, Range: N/A  
 Landform (hillslope, terrace, etc.): bank Local relief (concave, convex, none): concave Slope (%): 5  
 Subregion (LRR): J Lat: 33.2879 Long: -96.5535 Datum: NAD 1983  
 Soil Map Unit Name: Austin silty clay, 3 to 5 percent slopes, eroded NWI classification: None

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

|                                 |   |                                       |   |
|---------------------------------|---|---------------------------------------|---|
| Hydrophytic Vegetation Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Is the Sampled Area within a Wetland? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Hydric Soil Present?            | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |                                       |   |
| Wetland Hydrology Present?      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                                       |   |

Remarks: A storm water pond constructed to collect street runoff from a subdivision directly feeds this tributary. It is located on the north side of SH 121, whereas this wetland is located on the south side. This tributary, as shown on the USGS quad map, was originally designated as an intermittent stream. The creation of the pond has provided a continual source of water to this once intermittent creek. This sampling point is not in a wetland because the soil criteria are not met.

## VEGETATION - Use scientific names of plants.

| Tree Stratum (Plot size: <u>N/A</u> )                | Absolute % Cover | Dominant Species? | Indicator Status | <b>Dominance Test worksheet:</b><br><br>Number of Dominant Species That Are OBL, FACW, or FAC (excluding FAC -): <u>4</u> (A)<br><br>Total Number of Dominant Species Across All Strata: <u>6</u> (B)<br><br>Percent of Dominant Species That Are OBL, FACW, or FAC: <u>67%</u> (A/B)   |
|--|------------------|-------------------|------------------|---|
| 1. <u>None</u>                                       |                  |                   |                  |   |
| 2. _____   |                  |                   |                  |   |
| 3. _____   |                  |                   |                  |   |
| 4. _____   |                  |                   |                  |   |
|  |                  |                   |                  | <b>Prevalence Index worksheet:</b><br>Total % Cover of: _____ Multiply by: _____<br>OBL species _____ x 1 = _____<br>FACW species _____ x 2 = _____<br>FAC species _____ x 3 = _____<br>FACU species _____ x 4 = _____<br>UPL species _____ x 5 = _____<br>Column Totals: _____ (A) _____ (B)<br>Prevalence Index = B/A = _____   |
| = Total Cover  |                  |                   |                  |   |
|  |                  |                   |                  |   |
|  |                  |                   |                  |   |
|  |                  |                   |                  |   |
| <b>Sapling/Shrub Stratum (Plot size: <u>N/A</u>)</b> |                  |                   |                  |   |
| 1. <u>None</u>                                       |                  |                   |                  |   |
| 2. _____   |                  |                   |                  |   |
| 3. _____   |                  |                   |                  |   |
| 4. _____   |                  |                   |                  |   |
| 5. _____   |                  |                   |                  |   |
|  |                  |                   |                  |   |
| = Total Cover  |                  |                   |                  |   |
|  |                  |                   |                  |   |
|  |                  |                   |                  |   |
|  |                  |                   |                  |   |
| <b>Herb Stratum (Plot size: <u>5 ft. radius</u>)</b> |                  |                   |                  |   |
| 1. <u>Leersia oryzoides</u>                          | <u>15</u>        | <u>Yes</u>        | <u>OBL</u>       | <b>Hydrophytic Vegetation Indicators:</b><br><input checked="" type="checkbox"/> Dominance Test is >50%<br>_____ Prevalence Index is ≤3.0 <sup>1</sup><br>_____ Morphological Adaptations <sup>1</sup> (Provide Supporting data in Remarks or on a separate sheet)<br>_____ Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)<br><br><sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| 2. <u>Rumex crispus</u>                              | <u>15</u>        | <u>Yes</u>        | <u>FACW</u>      |   |
| 3. <u>Typha latifolia</u>                            | <u>15</u>        | <u>Yes</u>        | <u>OBL</u>       |   |
| 4. <u>Andropogon glomeratus</u>                      | <u>15</u>        | <u>Yes</u>        | <u>FACW+</u>     |   |
| 5. <u>Sorghum halepense</u>                          | <u>20</u>        | <u>Yes</u>        | <u>FACU</u>      |   |
| 6. <u>Cynodon dactylon</u>                           | <u>20</u>        | <u>Yes</u>        | <u>FACU+</u>     |   |
| 7. _____   |                  |                   |                  |   |
| 8. _____   |                  |                   |                  |   |
| 9. _____   |                  |                   |                  |   |
| 10. _____  |                  |                   |                  |   |
|  |                  |                   |                  | <b>Hydrophytic Vegetation Present?</b> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>  |
| = Total Cover  |                  |                   |                  |   |
|  |                  |                   |                  |   |
| <b>Woody Vine Stratum (Plot size: <u>N/A</u>)</b>    |                  |                   |                  |   |
| 1. <u>None</u>                                       |                  |                   |                  |   |
| 2. _____   |                  |                   |                  |   |
|  |                  |                   |                  |   |
| = Total Cover  |                  |                   |                  |   |
| % Bare Ground in Herb Stratum <u>0</u>               |                  |                   |                  |   |

Remarks:  
 The vegetation criteria is met because the dominant species for OBL, FACW and FAC exceeds 50%.

## SOIL

Sampling Point: 1

**Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)**

| Depth<br>(inches) | Matrix        |     | Redox Features |   |                   |                  | Texture | Remarks           |
|-------------------|---------------|-----|----------------|---|-------------------|------------------|---------|-------------------|
|                   | Color (moist) | %   | Color (moist)  | % | Type <sup>1</sup> | Loc <sup>2</sup> |         |                   |
| 0-12              | 10YR 4/1      | 100 |                |   |                   |                  | clay    | No redox features |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |
|                   |               |     |                |   |                   |                  |         |                   |

<sup>1</sup> Type: C=Concentration, D=Depletion, RM=Reduced Matrix, CS=Covered or Coated Sand Grains.<sup>2</sup> Location: PL=Pore Lining, M=Matrix.**Hydric Soil Indicators: (Applicable to all LRRs, unless otherwise noted.)**

- ☐ Histosol (A1)                      ☐ Sandy Gleyed Matrix (S4)  
☐ Histic Epipedon (A2)           ☐ Sandy Redox (S5)  
☐ Black Histic (A3)                ☐ Stripped Matrix (S6)  
☐ Hydrogen Sulfide (A4)          ☐ Loamy Mucky Mineral (F1)  
☐ Stratified Layers (A5) (**LRR F**)   ☐ Loamy Gleyed Matrix (F2)  
☐ 1 cm Muck (A9) (**LRR F, G, H**)   ☐ Depleted Matrix (F3)  
☐ Depleted Below Dark Surface (A11)   ☐ Redox Dark Surface (F6)  
☐ Thick Dark Surface (A12)       ☐ Depleted Dark Surface (F7)  
☐ Sandy Mucky Mineral (S1)       ☐ Redox Depressions (F8)  
☐ 2.5 cm Mucky Peat or Peat (S2) (**LRR G,H**)   ☐ High Plains Depressions (F16)  
☐ 5 cm Mucky Peat or Peat (S3) (**LRR F**)       (**MLRA 72 & 73 of LRR H**)

**Indicators for Problematic Hydric Soils<sup>3</sup>:**

- ☐ 1 cm Muck (A9) (**LRR I, J**)  
☐ Coast Prairie Redox (A16) (**LRR F, G, H**)  
☐ Dark Surface (S7) (**LRR G**)  
☐ High Plains Depressions (F16)  
   (**LRR H outside of MLRA 72 & 73**)  
☐ Reduced Vertic (F18)  
☐ Red Parent Material (TF2)  
☐ Other (Explain in Remarks)

<sup>3</sup> Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic.

**Restrictive Layer (if present):**

Type: \_\_\_\_\_

Depth (inches): \_\_\_\_\_

**Hydric Soil Present? Yes \_\_\_\_\_ No ☒**

Remarks:

While the soil was typical of of Austin silty clay, 3-5% slopes, eroded, no hydric soil indicators were observed. The soil criteria is not met because the soil does not contain hydric soil indicators.

## HYDROLOGY

**Wetland Hydrology Indicators:**

Primary Indicators (minimum of one required: check all that apply)

- ☐ Surface Water (A1)                      ☐ Salt Crust (B11)  
☐ High Water Table (A2)                ☐ Aquatic Invertebrates (B13)  
☒ Saturation (A3)                        ☐ Hydrogen Sulfide Odor (C1)  
☐ Water Marks (B1)                      ☐ Dry-Season Water Table (C2)  
☐ Sediment Deposits (B2)               ☐ Oxidized Rhizospheres on Living Roots (C3)  
☐ Drift Deposits (B3)                      **(where not tilled)**  
☐ Algal Mat or Crust (B4)                ☐ Presence of Reduced Iron (C4)  
☐ Iron Deposits (B5)                      ☐ Thin Muck Surface (C7)  
☐ Inundation Visible on Aerial Imagery (B7)   ☐ Other (Explain in Remarks)  
☐ Water-Stained Leaves (B9)

Secondary Indicators (minimum of two required)

- ☐ Surface Soil Cracks (B6)  
☐ Sparsely Vegetated Concave Surface (B8)  
☐ Drainage Patterns (B10)  
☐ Oxidized Rhizospheres on Living Roots (C3)  
   **(where tilled)**  
☐ Crayfish Burrows (C8)  
☐ Saturation Visible on Aerial Imagery (C9)  
☐ Geomorphic Position (D2)  
☐ FAC-Neutral Test (D5)  
☐ Frost-Heave hummocks (D7) (**LRR F**)

**Field Observations:**Surface Water Present? Yes \_\_\_\_\_ No ☒ Depth (inches): \_\_\_\_\_Water Table Present? Yes \_\_\_\_\_ No ☒ Depth (inches): \_\_\_\_\_Saturation Present? Yes ☒ No \_\_\_\_\_ Depth (inches): surface \_\_\_\_\_

(includes capillary fringe)

**Wetland Hydrology Present? Yes ☒ No \_\_\_\_\_**

Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:

Remarks:

The hydrology criteria is met because the area contains a primary indicator of saturation.

# WETLAND DETERMINATION DATA FORM - Great Plains Region

Project/Site: SH 121 at trib. to Sister Grove Creek (Brinlee) City/County: Collin Sampling Date: 06/18/09  
 Applicant/Owner: TxDOT State: TX Sampling Point: 2  
 Investigator(s): DVG, JM Section, Township, Range: N/A  
 Landform (hillslope, terrace, etc.): bank Local relief (concave, convex, none): concave Slope (%): 5  
 Subregion (LRR): J Lat: 33.3178 Long: -96.504 Datum: NAD 1983  
 Soil Map Unit Name: Houston Black Clay NWI classification: PFOIC

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)

Are Vegetation ☐, Soil ☐, or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐

Are Vegetation ☐, Soil ☐, or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

## SUMMARY OF FINDINGS - Attach site map showing sampling point locations, transects, important features, etc.

|                                 |   |                                       |   |
|---------------------------------|---|---------------------------------------|---|
| Hydrophytic Vegetation Present? | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> | Is the Sampled Area within a Wetland? | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |
| Hydric Soil Present?            | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> |                                       |   |
| Wetland Hydrology Present?      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                                       |   |

Remarks: This sampling point is not in a wetland because the soil criteria are not met.

## VEGETATION - Use scientific names of plants.

| Tree Stratum (Plot size: 30 ft radius) | Absolute % Cover | Dominant Species? | Indicator Status | Dominance Test worksheet:  |
|--|------------------|-------------------|------------------|--|
| 1. <u>Gleditsia triacanthos</u>        | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |  |
| 2. <u>Salix nigra</u>                  | <u>20</u>        | <u>Yes</u>        | <u>FACW+</u>     |  |
| 3. <u>Juniperus virginiana</u>         | <u>5</u>         | <u>Yes</u>        | <u>FACU-</u>     | Total Number of Dominant Species Across All Strata: <u>14*</u> (B)   |
| 4. <u>Ulmus crassifolia</u>            | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       |  |
| 5. <u>Celtis laevigata</u>             | <u>20</u>        | <u>Yes</u>        | <u>FAC</u>       | Percent of Dominant Species That Are OBL, FACW, or FAC: <u>79%</u> (A/B)                                       |
|  | <u>65</u>        | = Total Cover     |                  |  |
| Sapling/Shrub Stratum (Plot size: N/A) |                  |                   |                  | Prevalence Index worksheet:  |
| 1. <u>None</u>                         |                  |                   |                  |  |
| 2. _____                               |                  |                   |                  | Total % Cover of: _____ Multiply by: _____   |
| 3. _____                               |                  |                   |                  |  |
| 4. _____                               |                  |                   |                  | OBL species _____ x 1 = _____  |
| 5. _____                               |                  |                   |                  | FACW species _____ x 2 = _____   |
|  |                  | = Total Cover     |                  | FAC species _____ x 3 = _____  |
| Herb Stratum (Plot size: 5 ft radius)  |                  |                   |                  | FACU species _____ x 4 = _____   |
| 1. <u>Rumex crispus</u>                | <u>10</u>        | <u>Yes</u>        | <u>FACW</u>      | UPL species _____ x 5 = _____  |
| 2. <u>Lemna trinervis</u>              | <u>15</u>        | <u>Yes</u>        | <u>OBL</u>       | Column Totals: _____ (A) _____ (B)   |
| 3. <u>Potamogeton nodosus</u>          | <u>15</u>        | <u>Yes</u>        | <u>OBL</u>       | Prevalence Index = B/A = _____   |
| 4. <u>Sagittaria sp</u>                | <u>15</u>        | <u>Yes</u>        | <u>OBL*</u>      | Hydrophytic Vegetation Indicators:   |
| 5. <u>Leersia oryzoides</u>            | <u>15</u>        | <u>Yes</u>        | <u>OBL</u>       |  |
| 6. <u>Ambrosia artemisiifolia</u>      | <u>5</u>         | <u>Yes</u>        | <u>FACU-</u>     | <input checked="" type="checkbox"/> Dominance Test is >50%   |
| 7. <u>Sorghum halepense</u>            | <u>5</u>         | <u>Yes</u>        | <u>FACU</u>      | Prevalence Index is ≤3.0 <sup>1</sup>  |
| 8. <u>Smilax bona-nox</u>              | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       | Morphological Adaptations <sup>1</sup> (Provide Supporting data in Remarks or on a separate sheet)             |
| 9. <u>Toxicodendron radicans</u>       | <u>10</u>        | <u>Yes</u>        | <u>FAC</u>       | Problematic Hydrophytic Vegetation <sup>1</sup> (Explain)  |
|  | <u>100</u>       | = Total Cover     |                  | <sup>1</sup> Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic. |
| Woody Vine Stratum (Plot size: N/A)    |                  |                   |                  | Hydrophytic Vegetation Present? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>            |
| 1. <u>None</u>                         |                  |                   |                  |  |
| 2. _____                               |                  |                   |                  |  |
|  |                  | = Total Cover     |                  |  |
| % Bare Ground in Herb Stratum <u>0</u> |                  |                   |                  |  |

Remarks: (\*FACW to OBL) The vegetation criteria is met because the dominant species for OBL, FACW and FAC exceed 50%.



Sampling Point: 2

## HYDROLOGY

Great Plains – Interim Version

## **Appendix D**

### **Citation from State Transportation Improvement Program and Metropolitan Transportation Plan**

| DISTRICT     | COUNTY  | CSJ         | HWY    | PHASE | CITY       | PROJECT SPONSOR            | YOE COST     |
|--------------|---|-------------|--------|-------|------------|----------------------------|--------------|
| DALLAS       | DALLAS  | 0364-02-017 | SH 121 | R     | LEWISVILLE | TXDOT-DALLAS               | \$19,000,000 |
| LIMITS FROM: | TARRANT COUNTY LINE   |             |        |       |            | REV DATE: 08/2011          |              |
| LIMITS TO:   | DENTON COUNTY LINE NEAR DENTON CREEK  |             |        |       |            | MPO PROJECT ID: 11239      |              |
| TIP          | CONVERT 4 LANE DIVIDED TO 10 LANE FREEWAY WITH 2 TO 3/4 LANE FRONTAGE ROADS |             |        |       |            | FUNDING CATEGORY: 12       |              |
| DESCRIPTION: |   |             |        |       |            | MTP REFERENCE: FT1-11.50.1 |              |
| REMARKS:     | REVISE FUNDING; RTR 121-DA2 FUNDS   |             |        |       |            |                            |              |

## PENDING FHWA APPROVAL

**Project History:** CATEGORY 2 FUNDS IN FY 2014 AND APPENDIX D

| Total Project Cost Information: |                      | Cost of Approved Phases: | Authorized Funding by Category/Share: |                      |                    |              |                    | Funding By Category |
|---------------------------------|----------------------|--------------------------|---------------------------------------|----------------------|--------------------|--------------|--------------------|---------------------|
|                                 |                      |                          |                                       |                      |                    |              |                    |                     |
| Preliminary Engineering         | \$250,000            |                          |                                       |                      |                    |              |                    |                     |
| Right Of Way:                   | \$19,000,000         |                          |                                       |                      |                    |              |                    |                     |
| Construction:                   | \$106,218,984        | \$19,000,000             | Category 12:                          | Federal \$15,200,000 | State \$1,900,000  | Regional \$0 | Local \$1,900,000  | \$19,000,000        |
| Construction Engineering        | \$0                  |                          |                                       |                      |                    |              |                    |                     |
| Contingencies:                  | \$0                  |                          |                                       |                      |                    |              |                    |                     |
| Indirects:                      | \$0                  |                          |                                       |                      |                    |              |                    |                     |
| Bond Financing:                 | \$0                  |                          |                                       |                      |                    |              |                    |                     |
| <b>Total Project Cost:</b>      | <b>\$125,468,984</b> |                          | <b>Funding by Share:</b>              | <b>\$15,200,000</b>  | <b>\$1,900,000</b> | <b>\$0</b>   | <b>\$1,900,000</b> | <b>\$19,000,000</b> |

|              |   |             |        |     |         |                            |           |
|--------------|---|-------------|--------|-----|---------|----------------------------|-----------|
| DALLAS       | KAUFMAN   | 0495-01-058 | SP 557 | E,R | TERRELL | TERRELL                    | \$491,474 |
| LIMITS FROM: | FM 148  |             |        |     |         | REV DATE: 08/2011          |           |
| LIMITS TO:   | IH 20 IN TERRELL  |             |        |     |         | MPO PROJECT ID: 83224      |           |
| TIP          | CONSTRUCT 0 TO 2 LANE EASTBOUND FRONTAGE ROAD               |             |        |     |         | FUNDING CATEGORY: LC       |           |
| DESCRIPTION: |   |             |        |     |         | MTP REFERENCE: FT1-34.10.1 |           |
| REMARKS:     | ADD PROJECT TO TIP/STIP; LOCAL CONTRIBUTION PAID BY TERRELL |             |        |     |         |                            |           |

## PENDING FHWA APPROVAL

**Project History:** CONSTRUCTION PHASE IN APPENDIX D

| Total Project Cost Information: |                    | Cost of Approved Phases: | Authorized Funding by Category/Share: |             |            |              |            | Funding By Category |
|---------------------------------|--------------------|--------------------------|---------------------------------------|-------------|------------|--------------|------------|---------------------|
|                                 |                    |                          |                                       |             |            |              |            |                     |
| Preliminary Engineering         | \$391,474          |                          |                                       |             |            |              |            |                     |
| Right Of Way:                   | \$100,000          |                          |                                       |             |            |              |            |                     |
| Construction:                   | \$2,868,545        | \$491,474                | Local Contribution:                   | Federal \$0 | State \$0  | Regional \$0 | Local \$0  | \$491,474           |
| Construction Engineering        | \$112,500          |                          |                                       |             |            |              |            |                     |
| Contingencies:                  | \$105,000          |                          |                                       |             |            |              |            |                     |
| Indirects:                      | \$72,750           |                          |                                       |             |            |              |            |                     |
| Bond Financing:                 | \$0                |                          |                                       |             |            |              |            |                     |
| <b>Total Project Cost:</b>      | <b>\$3,650,269</b> |                          | <b>Funding by Share:</b>              | <b>\$0</b>  | <b>\$0</b> | <b>\$0</b>   | <b>\$0</b> | <b>\$491,474</b>    |

|              |  |             |        |     |              |                           |             |
|--------------|--|-------------|--------|-----|--------------|---------------------------|-------------|
| DALLAS       | COLLIN   | 0549-03-018 | SH 121 | E,R | MELISSA/ANNA | TXDOT-DALLAS              | \$9,450,000 |
| LIMITS FROM: | SH 5   |             |        |     |              | REV DATE: 07/2010         |             |
| LIMITS TO:   | EAST OF FM 455                                       |             |        |     |              | MPO PROJECT ID: 20176     |             |
| TIP          | WIDEN 2 LANE RURAL HIGHWAY TO 4 LANE DIVIDED ROADWAY |             |        |     |              | FUNDING CATEGORY: RTR     |             |
| DESCRIPTION: |  |             |        |     |              | MTP REFERENCE: RSA1-209.1 |             |
| REMARKS:     | FUNDED WITH DFW RTR-CC2 FUNDS                        |             |        |     |              |                           |             |

**Project History:**

| Total Project Cost Information: |                     | Cost of Approved Phases: | Authorized Funding by Category/Share: |             |            |                      |                    | Funding By Category |
|---------------------------------|---------------------|--------------------------|---------------------------------------|-------------|------------|----------------------|--------------------|---------------------|
|                                 |                     |                          |                                       |             |            |                      |                    |                     |
| Preliminary Engineering         | \$4,250,000         |                          |                                       |             |            |                      |                    |                     |
| Right Of Way:                   | \$5,200,000         |                          |                                       |             |            |                      |                    |                     |
| Construction:                   | \$29,375,660        | \$9,450,000              | RTR:                                  | Federal \$0 | State \$0  | Regional \$8,080,000 | Local \$1,370,000  | \$9,450,000         |
| Construction Engineering        | \$2,753,612         |                          |                                       |             |            |                      |                    |                     |
| Contingencies:                  | \$0                 |                          |                                       |             |            |                      |                    |                     |
| Indirects:                      | \$2,994,553         |                          |                                       |             |            |                      |                    |                     |
| Bond Financing:                 | \$0                 |                          |                                       |             |            |                      |                    |                     |
| <b>Total Project Cost:</b>      | <b>\$44,573,825</b> |                          | <b>Funding by Share:</b>              | <b>\$0</b>  | <b>\$0</b> | <b>\$8,080,000</b>   | <b>\$1,370,000</b> | <b>\$9,450,000</b>  |



| DISTRICT                        | COUNTY   | CSJ                                  | HWY    | PHASE                                 | CITY         | PROJECT SPONSOR           | YOE COST    |                     |             |
|---------------------------------|--|--------------------------------------|--------|---------------------------------------|--------------|---------------------------|-------------|---------------------|-------------|
| DALLAS                          | COLLIN   | 0549-03-021                          | SH 121 | E                                     | MELISSA/ANNA | TXDOT-DALLAS              | \$6,250,000 |                     |             |
| LIMITS FROM:                    | EAST OF FM 455   |                                      |        |                                       |              | REV DATE: 07/2010         |             |                     |             |
| LIMITS TO:                      | CR 635 (FANNIN COUNTY LINE)  |                                      |        |                                       |              | MPO PROJECT ID: 20076     |             |                     |             |
| TIP                             | ENGINEERING ONLY FOR WIDENING OF TWO LANE RURAL HIGHWAY TO FOUR LANE |                                      |        |                                       |              | FUNDING CATEGORY: RTR     |             |                     |             |
| DESCRIPTION:                    | DIVIDED ROADWAY  |                                      |        |                                       |              | MTP REFERENCE: RSA1-209.0 |             |                     |             |
| REMARKS:                        | PE ONLY FUNDED WITH DFW RTR-CC1 FUNDS                                |                                      |        |                                       |              |                           |             |                     |             |
| Project History:                |  |                                      |        |                                       |              |                           |             |                     |             |
| Total Project Cost Information: |  | Cost of Approved Phases: \$6,250,000 | RTR:   | Authorized Funding by Category/Share: |              |                           |             | Funding By Category |             |
| Preliminary Engineering         | \$6,250,000  |                                      |        | Federal                               | State        | Regional                  | Local       | Local Contribution  |             |
| Right Of Way:                   | \$0  |                                      |        | \$0                                   | \$0          | \$5,000,000               | \$1,250,000 | \$0                 |             |
| Construction:                   | \$34,023,652   |                                      |        |                                       |              |                           |             |                     |             |
| Construction Engineering        | \$1,531,064  |                                      |        |                                       |              |                           |             |                     |             |
| Contingencies:                  | \$2,211,537  |                                      |        |                                       |              |                           |             |                     |             |
| Indirects:                      | \$1,663,757  |                                      |        |                                       |              |                           |             |                     |             |
| Bond Financing:                 | \$0  |                                      |        |                                       |              |                           |             |                     |             |
| Total Project Cost:             | \$45,680,010   |                                      |        |                                       |              |                           |             |                     |             |
| Funding by Share:               |  |                                      |        | \$0                                   | \$0          | \$5,000,000               | \$1,250,000 | \$0                 | \$6,250,000 |

|                                 |  |                                      |                                       |         |             |                             |             |                     |
|---------------------------------|--|--------------------------------------|---------------------------------------|---------|-------------|-----------------------------|-------------|---------------------|
| DALLAS                          | DENTON   | 0718-01-064                          | FM 156                                | E,R     | JUSTIN      | TXDOT-DALLAS                | \$2,400,000 |                     |
| LIMITS FROM:                    | SH 114   |                                      |                                       |         |             | REV DATE: 07/2010           |             |                     |
| LIMITS TO:                      | N JUSTIN CITY LIMIT (N OF FM 407)                        |                                      |                                       |         |             | MPO PROJECT ID: 20121       |             |                     |
| TIP                             | WIDEN 2 LANE RURAL TO 4 LANE DIVIDED URBAN CROSS SECTION |                                      |                                       |         |             | FUNDING CATEGORY: RTR       |             |                     |
| DESCRIPTION:                    |  |                                      |                                       |         |             | MTP REFERENCE: NRSA1-DAL118 |             |                     |
| REMARKS:                        |  |                                      |                                       |         |             |                             |             |                     |
| Project History:                |  |                                      |                                       |         |             |                             |             |                     |
| Total Project Cost Information: |  | Cost of Approved Phases: \$2,400,000 | Authorized Funding by Category/Share: |         |             |                             |             |                     |
| Preliminary Engineering         | \$1,200,000  |                                      | RTR:                                  | Federal | State       | Regional                    | Local       | Funding By Category |
| Right Of Way:                   | \$1,200,000  |                                      |                                       | \$0     | \$0         | \$2,020,000                 | \$380,000   | \$2,400,000         |
| Construction:                   | \$31,865,982   |                                      |                                       |         |             |                             |             |                     |
| Construction Engineering        | \$1,740,833  |                                      |                                       |         |             |                             |             |                     |
| Contingencies:                  | \$3,481,666  |                                      |                                       |         |             |                             |             |                     |
| Indirects:                      | \$1,891,705  |                                      |                                       |         |             |                             |             |                     |
| Bond Financing:                 | \$0  |                                      |                                       |         |             |                             |             |                     |
| Total Project Cost:             | \$41,380,186   |                                      |                                       |         |             |                             |             |                     |
| Funding by Share:               |  |                                      | \$0                                   | \$0     | \$2,020,000 | \$380,000                   | \$0         | \$2,400,000         |

|                                 |  |                                      |                                       |             |         |   |             |                    |                     |
|---------------------------------|--|--------------------------------------|---------------------------------------|-------------|---------|---|-------------|--------------------|---------------------|
| DALLAS                          | DALLAS   | 0918-00-002                          | US 75                                 | C           | DALLAS  | DART  | \$1,886,039 |                    |                     |
| LIMITS FROM:                    | DALLAS CBD                                     |                                      |                                       |             |         | REV DATE: 07/2010                           |             |                    |                     |
| LIMITS TO:                      | SH 121   |                                      |                                       |             |         | MPO PROJECT ID: 12424.10                    |             |                    |                     |
| TIP                             | INTEGRATED CORRIDOR MANAGEMENT SYSTEMS PROJECT |                                      |                                       |             |         | FUNDING CATEGORY: SECTION 5306              |             |                    |                     |
| DESCRIPTION:                    |  |                                      |                                       |             |         | MTP REFERENCE: ITS2-004, ITS2-005, ITS2-006 |             |                    |                     |
| REMARKS:                        | FEDERAL 5306 FUNDING                           |                                      |                                       |             |         | NOX (LBS/DAY): VOC (LBS/DAY):               |             |                    |                     |
| Project History:                |  |                                      |                                       |             |         |   |             |                    |                     |
| Total Project Cost Information: |  | Cost of Approved Phases: \$1,886,039 | Authorized Funding by Category/Share: |             |         |   |             |                    |                     |
| Preliminary Engineering         | \$0  |                                      | Section 5306:                         | Federal     | State   | Regional                                    | Local       | Local Contribution | Funding By Category |
| Right Of Way:                   | \$0  |                                      |                                       | \$1,519,310 | \$3,775 | \$0   | \$362,954   | \$0                | \$1,886,039         |
| Construction:                   | \$1,886,039                                    |                                      |                                       |             |         |   |             |                    |                     |
| Construction Engineering        | \$0  |                                      |                                       |             |         |   |             |                    |                     |
| Contingencies:                  | \$0  |                                      |                                       |             |         |   |             |                    |                     |
| Indirects:                      | \$0  |                                      |                                       |             |         |   |             |                    |                     |
| Bond Financing:                 | \$0  |                                      |                                       |             |         |   |             |                    |                     |
| Total Project Cost:             | \$1,886,039                                    |                                      | Funding by Share:                     |             |         |   |             |                    |                     |
|                                 |  |                                      | \$1,519,310                           | \$3,775     | \$0     | \$362,954                                   | \$0         | \$1,886,039        |                     |

Proposed Regionally Significant Arterials  
TxDOT Dallas District

| MTP ID       | COUNTY | STREET NAME                  | FROM STREET NAME                         | TO STREET NAME                      | 2012 LANES | 2020 LANES | 2030 LANES | 2035 LANES | OPERATIONAL BETWEEN | CSJ_1       | CSJ_2       | COG_1    | COG_2    | YOE ESTIMATED COST |
|--------------|--------|------------------------------|--|-------------------------------------|------------|------------|------------|------------|---------------------|-------------|-------------|----------|----------|--------------------|
| RSA1- 80.0   | Dallas | Valley View Lane             | SH 161 on ramp                           | Alpha Road                          | 6          | 6          | 6          | 6          | N/A                 |             |             | 11057.00 |          |                    |
| RSA1- 80.5   | Dallas | Valley View Lane             | Alpha Road                               | IH 635 Midway ramps                 | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 81.0   | Dallas | MacArthur Blvd               | Northgate Drive                          | Rochelle Blvd                       | 4          | 4          | 4          | 4          | N/A                 |             |             | 1715.00  |          |                    |
| RSA1- 81.1   | Dallas | MacArthur Blvd               | SH 161                                   | Northgate Drive                     | 6          | 6          | 6          | 6          | N/A                 | 8052-18-001 |             | 3079.00  |          |                    |
| RSA1- 81.2   | Dallas | MacArthur Blvd               | SH 183 frontage EB                       | Shady Grove Road                    | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 81.3   | Dallas | MacArthur Blvd               | SH 161                                   | Belt Line Road                      | 6          | 6          | 6          | 6          | N/A                 | 8052-18-001 |             | 3079.00  |          |                    |
| RSA1- 81.4   | Dallas | MacArthur Blvd               | Rochelle Blvd                            | SH 183 frontage WB                  | 6          | 6          | 6          | 6          | N/A                 |             |             | 1715.00  |          |                    |
| RSA1- 81.5   | Dallas | MacArthur Blvd               | Oakdale Road                             | Trinity Pkwy/Hunter Ferrell         | 4          | 6          | 6          | 6          | 2012-2020           |             |             | 81310.00 |          | \$1,659,840        |
| RSA1- 81.6   | Dallas | MacArthur Blvd               | Trinity Pkwy                             | IH 30 frontage WB                   | 2          | 4          | 4          | 6          | 2030-2035           | 0918-45-793 |             | 81310.00 |          | \$29,462,160       |
| RSA1- 81.7   | Dallas | MacArthur Blvd               | IH 30 frontage EB                        | SH 180/Main Street                  | 4          | 4          | 6          | 6          | 2020-2030           |             |             |          |          | \$7,425,600        |
| RSA1- 81.8   | Dallas | MacArthur Blvd               | Shady Grove Road                         | Oakdale Road                        | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 82.0   | Dallas | Skillman Street              | Audelia Road/Whitehurst Drive            | Northwest Hwy                       | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 82.2   | Dallas | Skillman Street              | IH 635 frontage NB                       | Forest Lane                         | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 83.0   | Dallas | Rowlett Road                 | Belt Line Road/Broadway                  | Roan Road                           | 4          | 6          | 6          | 6          | 2012-2020           | 0918-45-227 |             | 1492.00  | 83032.00 | \$3,712,800        |
| RSA1- 83.1   | Dallas | Rowlett Road                 | Roan Road                                | Miller Road                         | 6          | 6          | 6          | 6          | N/A                 | 0918-45-227 |             | 1492.00  | 83032.00 |                    |
| RSA1- 83.2   | Dallas | Rowlett Road                 | Miller Road                              | Century Drive                       | 4          | 6          | 6          | 6          | 2012-2020           | 0918-45-807 |             |          |          | \$1,113,840        |
| RSA1- 83.3   | Dallas | Rowlett Road                 | Century Drive                            | SH 190                              | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 83.4   | Dallas | Firewheel Pkwy               | SH 190                                   | SH 78/Lavon Drive                   | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 84.0   | Dallas | SH 310                       | Illinois Avenue E                        | Loop 12                             | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 84.05  | Dallas | SH 310                       | Loop 12                                  | IH 20 frontage WB                   | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 84.1   | Dallas | SH 310                       | IH 20 ramps EB                           | IH 45 ramp NB                       | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 84.2   | Dallas | SH 310                       | Budd Street                              | Overton Road                        | 2/2        | 2/2        | 2/2        | 2/2        | N/A                 |             |             |          |          |                    |
| RSA1- 84.25  | Dallas | SH 310                       | Overton Road                             | Illinois Avenue                     | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 84.3   | Dallas | S M Wright Pkwy              | Grand Avenue                             | US 175                              | N/A        | 6          | 6          | 6          | 2012-2020           |             |             |          |          | \$3,385,200        |
| RSA1- 84.4   | Dallas | S M Wright Pkwy              | US 175                                   | Budd Street                         | 4          | 6          | 6          | 6          | 2012-2020           | 0092-01-052 |             |          |          | \$764,400          |
| RSA1- 85.0   | Dallas | Avenue B/Avenue D couplet    | Nona Street/SH 66                        | 1st Street                          | 4/3        | 4/3        | 4/3        | 4/3        | N/A                 |             |             |          |          |                    |
| RSA1- 85.1   | Dallas | Avenue B/Forest Lane couplet | State Street                             | Garland Lane                        | 3/3        | 3/3        | 3/3        | 3/3        | N/A                 |             |             |          |          |                    |
| RSA1- 85.2   | Dallas | Avenue B/Avenue D couplet    | Garland Avenue                           | 9th Street                          | 4/4        | 4/4        | 4/4        | 4/4        | N/A                 |             |             |          |          |                    |
| RSA1- 85.3   | Dallas | Avenue B/Avenue D couplet    | 9th Street                               | Glenbrook Drive                     | 3/3        | 3/3        | 3/3        | 3/3        | N/A                 |             |             |          |          |                    |
| RSA1- 85.4   | Dallas | Avenue B/Avenue D couplet    | Glenbrook Drive                          | 5th Street                          | 4/4        | 4/4        | 4/4        | 4/4        | N/A                 |             |             |          |          |                    |
| RSA1- 91.0   | Dallas | Big Town Blvd                | US 80                                    | Samuell                             | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 91.1   | Dallas | Big Town Blvd                | Samuell                                  | Forney                              | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 92.0   | Dallas | Bruton Road                  | Buckner Blvd                             | Jim Miller Road                     | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 93.0   | Dallas | Arapaho Road                 | US 75                                    | Greenville Avenue                   | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 94.0   | Dallas | Walnut Street                | SH 78                                    | 5th Street                          | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 95.0   | Dallas | Park Lane                    | US 75                                    | Greenville Avenue                   | 4          | 5          | 5          | 5          | N/A                 | 0918-45-181 |             |          |          |                    |
| RSA1- 96.0   | Dallas | Mockingbird Lane             | US 75                                    | McMillan Avenue                     | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 96.1   | Dallas | Mockingbird Lane             | IH 35E                                   | Airdrome Drive                      | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 96.2   | Dallas | Airdrome Drive               | Mockingbird Lane                         | Marsh Lane                          | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 97.0   | Dallas | Carl Road                    | Northgate Drive                          | SH 183                              | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 98.0   | Dallas | Houston Street               | Elm Street                               | Jackson Street                      | 5          | 5          | 5          | 5          | N/A                 |             |             |          |          |                    |
| RSA1- 98.1   | Dallas | Houston Street               | Jackson Street                           | Wood Street                         | 5          | 5          | 5          | 5          | N/A                 |             |             |          |          |                    |
| RSA1- 98.2   | Dallas | Houston Street               | Wood Street                              | Young Street                        | 5          | 5          | 5          | 5          | N/A                 |             |             |          |          |                    |
| RSA1- 99.0   | Dallas | O'Conner Road                | SH 356                                   | Rock Island Road                    | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 200.0  | Collin | SH 289                       | Hedgcoxe Road                            | Legacy Drive                        | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 201.0  | Collin | SH 289                       | US 289/US 380 ramps                      | FM 3537                             | 2          | 6          | 6          | 6          | 2012-2020           | 0091-04-041 | 0091-05-041 | 81218.00 |          | \$9,413,040        |
| RSA1- 201.1  | Collin | SH 289                       | FM 3537                                  | Hedgcoxe Road                       | 6          | 6          | 6          | 6          | N/A                 |             |             |          |          |                    |
| RSA1- 202.0  | Collin | SH 289                       | US 380 ramps                             | FM 1461                             | 2          | 6          | 6          | 6          | 2012-2020           | 0091-04-050 |             |          |          | \$6,573,840        |
| RSA1- 202.05 | Collin | SH 289                       | FM 1461                                  | BU 289 N of Celina                  | 2          | 4          | 4          | 6          | 2030-2035           |             |             |          |          | \$156,439,920      |
| RSA1- 202.1  | Collin | SH 289                       | BU 289 N of Celina                       | Grayson CR 60 (Grayson County line) | 2          | 2          | 4          | 4          | 2020-2030           | 0091-03-021 |             |          |          | \$20,267,520       |
| RSA1- 208.0  | Collin | SH 5/McDonald Street         | SH 121                                   | Tennessee Street                    | 2          | 2          | 4          | 4          | 2020-2030           |             |             |          |          | \$33,808,320       |
| RSA1- 208.1  | Collin | SH 5/McDonald Street         | Tennessee Street                         | Spur 399                            | 4          | 4          | 4          | 4          | N/A                 |             |             |          |          |                    |
| RSA1- 209.0  | Collin | SH 121                       | 1.33 mi N of SH 160 (Fannin County line) | FM 455                              | 2          | 2          | 4          | 4          | 2020-2030           | 0549-03-018 |             |          |          | \$62,025,600       |
| RSA1- 209.1  | Collin | SH 121                       | FM 455                                   | SH 5 (N)                            | 2          | 4          | 4          | 4          | 2012-2020           | 0549-03-018 |             |          |          | \$15,637,440       |

\* Facility is staged and may have improvements completed prior to the date listed.  
Source: North Central Texas Council of Governments

## **Appendix E**

### **Farmland Conversion Impact Rating Form**



**FARMLAND CONVERSION IMPACT RATING  
FOR CORRIDOR TYPE PROJECTS**

|   |   |  |                           |
|---|---|--|---------------------------|
| <b>PART I (To be completed by Federal Agency)</b>   |   | 3. Date of Land Evaluation Request                               | 4. Sheet 1 of _____       |
| 1. Name of Project <b>SH 121 from SH5 to Fannin</b>   |   | 5. Federal Agency Involved<br><b>FHWA</b>                        |                           |
| 2. Type of Project <b>widen highway</b>   |   | 6. County and State <b>Collin, Texas</b>                         |                           |
| <b>PART II (To be completed by NRCS)</b>  |   | 1. Date Request Received by NRCS                                 | 2. Person Completing Form |
| 3. Does the corridor contain prime, unique statewide or local important farmland?<br>(If no, the FPPA does not apply - Do not complete additional parts of this form). YES <input type="checkbox"/> NO <input type="checkbox"/> |   | 4. Acres Irrigated   Average Farm Size                           |                           |
| 5. Major Crop(s)  | 6. Farmable Land in Government Jurisdiction<br>Acres: _____ % _____ | 7. Amount of Farmland As Defined in FPPA<br>Acres: _____ % _____ |                           |
| 8. Name Of Land Evaluation System Used  | 9. Name of Local Site Assessment System                             | 10. Date Land Evaluation Returned by NRCS                        |                           |


|   |   |            |            |            |
|---|---|------------|------------|------------|
| <b>PART III (To be completed by Federal Agency)</b>               | <b>Alternative Corridor For Segment</b> |            |            |            |
|   | Corridor A                              | Corridor B | Corridor C | Corridor D |
| A. Total Acres To Be Converted Directly                           | <b>75</b>                               |            |            |            |
| B. Total Acres To Be Converted Indirectly, Or To Receive Services | <b>75</b>                               |            |            |            |
| C. Total Acres In Corridor  | <b>150</b>                              | <b>0</b>   | <b>0</b>   | <b>0</b>   |

|  |  |  |  |  |
|--|--|--|--|--|
| <b>PART IV (To be completed by NRCS) Land Evaluation Information</b>   |  |  |  |  |
| A. Total Acres Prime And Unique Farmland   |  |  |  |  |
| B. Total Acres Statewide And Local Important Farmland  |  |  |  |  |
| C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted  |  |  |  |  |
| D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value   |  |  |  |  |
| <b>PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)</b> |  |  |  |  |

|  |                |           |          |          |          |
|--|----------------|-----------|----------|----------|----------|
| <b>PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))</b> | Maximum Points |           |          |          |          |
| 1. Area in Nonurban Use  | 15             | <b>14</b> |          |          |          |
| 2. Perimeter in Nonurban Use   | 10             | <b>8</b>  |          |          |          |
| 3. Percent Of Corridor Being Farmed  | 20             | <b>15</b> |          |          |          |
| 4. Protection Provided By State And Local Government   | 20             | <b>0</b>  |          |          |          |
| 5. Size of Present Farm Unit Compared To Average   | 10             | <b>5</b>  |          |          |          |
| 6. Creation Of Nonfarmable Farmland  | 25             | <b>0</b>  |          |          |          |
| 7. Availability Of Farm Support Services   | 5              | <b>5</b>  |          |          |          |
| 8. On-Farm Investments   | 20             | <b>10</b> |          |          |          |
| 9. Effects Of Conversion On Farm Support Services  | 25             | <b>0</b>  |          |          |          |
| 10. Compatibility With Existing Agricultural Use   | 10             | <b>0</b>  |          |          |          |
| <b>TOTAL CORRIDOR ASSESSMENT POINTS</b>  | <b>160</b>     | <b>57</b> | <b>0</b> | <b>0</b> | <b>0</b> |

|   |            |           |          |          |          |
|---|------------|-----------|----------|----------|----------|
| <b>PART VII (To be completed by Federal Agency)</b>                       |            |           |          |          |          |
| Relative Value Of Farmland (From Part V)                                  | 100        |           |          |          |          |
| Total Corridor Assessment (From Part VI above or a local site assessment) | 160        | <b>57</b> | <b>0</b> | <b>0</b> | <b>0</b> |
| <b>TOTAL POINTS (Total of above 2 lines)</b>                              | <b>260</b> | <b>57</b> | <b>0</b> | <b>0</b> | <b>0</b> |

|                          |   |                       |   |
|--------------------------|---|-----------------------|---|
| 1. Corridor Selected:    | 2. Total Acres of Farmlands to be Converted by Project: | 3. Date Of Selection: | 4. Was A Local Site Assessment Used?<br>YES <input type="checkbox"/> NO <input checked="" type="checkbox"/> |
| 5. Reason For Selection: |   |                       |   |

Signature of Person Completing this Part:  DATE **6/5/09**

NOTE: Complete a form for each segment with more than one Alternate Corridor

**Appendix F**

**Public Involvement Package**

Texas Department of Transportation – Dallas District  
Public Involvement Summary

Public Meeting Held at the  
First Melissa Baptist Church on  
May 15, 2007

State Highway 121  
Roadway Reconstruction and Widening  
From: SH 5  
To: CR 635 (Fannin County Line)  
CSJ: 0549-03-018 and 0549-03-021  
Collin County, Texas



## **Table of Contents**

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## **Attachments**

Attachment A – Sign-In Sheets  
Attachment B – Handouts/Displays  
Attachment C – Written Comment Forms

**Public Meeting Written Summary  
State Highway 121  
Roadway Reconstruction and Widening  
CSJ: 0549-03-048 and 0549-03-021  
Collin County, Texas**

**District/County:** Dallas District/Collin County  
**Highway/Limit:** From SH 5  
To Fannin County Line (Eastline Road)

**Meeting Date:** Tuesday, May 15, 2007 @ 6:00 p.m.

**Location:** Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

### **Proceedings Summary**

On May 15, 2007, a Public Meeting was conducted by the Texas Department of Transportation (TxDOT) in cooperation with Collin County. The purpose of the meeting was to present the proposed roadway improvements to SH (State Highway) 121 from SH 5 to Eastline Road (Fannin County Line). The meeting was held at the Melissa Baptist Church, 2600 SH 121, Melissa, Texas 75454.

The meeting began at 6:00 pm as an open house in the main meeting area of the facility. No general announcements or oral presentation was made. One hundred and thirty three (133) private citizens signed in at the meeting. Eighteen (18) people in attendance were either Texas Department of Transportation employees, elected officials or city employees. Six consulting engineering staff were in attendance. Sign-in sheets are located in **Appendix A**.

Maps, drawings, Right-of-Way Relocation Assistance Booklets, and other information about the project were on display, showing the project location, recommended alternatives, and detailing the need and purpose. Project personnel were available to assist in orientation and interpretation of the drawings and other materials on display and discuss possible mobility and environmental effects of the proposed project.

### **Handouts/Displays**

Comment forms were in both English and Spanish. Preliminary geometric layouts were placed on tables for review by the public. Texas Department of Transportation staff and members of the LAN consultant team were available to answer questions. Nine (9) boards were displayed to depict the project location, typical sections, photos of the existing roadway and depictions of the two types of roadways that are proposed, 4-lane urban and 4-lane rural. These items are located in **Appendix B**.

## **Proposed Improvements**

The limit of the proposed project is from State Highway (SH) 5 in Melissa, Texas to the Fannin County Line. The proposed project is located in the northern portion of Collin County. The highway passes through two incorporated cities, Melissa and Anna and one unincorporated town, Westminster. The proposed improvements include widening the roadway from a two-lane rural highway to a four-lane divided roadway. The proposed project length is 15.1 miles.

The proposed project is to improve traffic mobility, reduce traffic congestion and stimulate economic development. The existing facility would not provide sufficient capacity for the projected growth in the area. Widening and increasing the number of through traffic lanes would improve mobility.

The project would include a four lane divided highway, containing 12-ft travel lanes, 10-ft outside shoulders and a 40-ft grass median. From SH 5 to the future Outer Loop (3,300-ft north of CR 420), the section would be an urban curb-and-gutter section. From the future Outer Loop (3,300-ft north of CR 420) to Eastline Road (Fannin County line), the project would be a rural, four lane divided highway, containing 12-ft travel lanes, 10-ft outside shoulders and a 40-ft grass median and grass-lined ditches. The existing ROW width varies from approximately 120-ft wide to approximately 134-ft wide at stream crossings and roadway intersections. The proposed ROW width varies from 134-ft to 170-ft.

The surrounding terrain is level to gently rolling and contains predominantly rural areas. Approximately 80 percent of the land use within the proposed project is agricultural, either row crop or rangeland. The proposed project crosses 16 jurisdictional waters of the United States (U.S.), which include named waterways, Fitzhugh Branch, Clemons Creek, Stiff Creek, Brinlee Branch, Sister Grove Creek, Pilot Grove Creek, Desert Creek and many unnamed tributaries. No wetlands were detected within the proposed project area.

**Notices of the Public Meeting were published in the following major newspapers:**

### **Newspaper Notices**

The public meeting notice was printed in the Prosper Press on April 4 and April 18, 2007, in Al Dia (Spanish) on March 30 and April 20, 2007, in the McKinney Courier-Gazette in March 30 and April 19, 2007 and in the Celina Record on March 30 and April 19, 2007.

### **Summary of Comments from Public**



## Written Comments Received at Public Meeting

Thirty-One (31) comment forms were received, either at the meeting or through the mail. Comment forms are located in **Appendix C**.

**W1** - The planned Road will take 60 feet off the front of my property, which is 3 lots of 1 acre with my house on the centre lot. Currently I am permitted to build 2 houses on each acre lot, this plan will remove that option, will make the 2-1acre lots worthless as they won't be large enough for septic tanks. I will lose all the trees along the front take so long to grow. My privacy will be severely diminished, noise will be up. Even planning this means selling now and getting its value will be impossible. I will be unable to get my mortgage changed, in fact mortgage company will probably veto it. Noise will be a problem. I counsel people in my house and this plan may severely impact my ability to do so in safety and privacy. I bought the property because it was well back from the road. It also will put my cat in danger. At this moment, any plans I have had to do anything on the property are on hold as I don't know what you will end up doing. The garage at front is now on hold too. Maybe I should try to get it zoned commercial and just move. Across the road it just fields and cows are there about once every 2 months 60 feet off that does not reach the trees. Trees in North Dallas are precious.

**Marianne Hagen, 10515 Highway 121, Anna, Texas 75409.**

**Response:** *The proposed project would result in a traffic noise impact at several locations along the project and the following noise abatement measures were considered: traffic management, alteration of horizontal and/or vertical alignments, acquisition of undeveloped property to act as a buffer zone and the construction of noise barriers. Before any abatement measure can be proposed for incorporation into the project, it must be both feasible and reasonable. In order to be "feasible," the abatement measure must be able to reduce the noise level at an impacted receiver by at least five dBA; and to be "reasonable," it must not exceed the cost-effectiveness criterion of \$25,000 for each receiver that would benefit by a reduction of at least five dBA. None of the above noise abatement measures would be both feasible and reasonable; therefore, no abatement measures are proposed for this project.*

*Many alignment alternatives were evaluated including new alignment considerations. The roadway has been studied to minimize ROW takes using an alternative analysis process. Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand.*

*Trees would only be removed as necessary during construction. Minor limb trimming may be required to promote safety during construction. Every effort would be made to preserve trees where they neither compromise safety nor substantially interfere with the project's construction.*

**W2** – This project appears to take about 150,000 sq ft. of frontage from my property. It also will take about 200 young pecan trees, 400 - plus young cedar trees, and an irrigation

system on each of these pecan trees which are just beginning to bear. I also have ~2500' of pipe fence fronting on this property and a gate opener and a landscaped entrance which would be taken in a 60' widening on the north side of 121. It would appear more logical to take the needed 60' on the south side in this area of 121 and then go to the north side at the area where 424 intersects 121. This would miss the Circle V on the south side and miss several homes on 121 on the north side. There are no houses or major improvements on the south side of 121 from the proposed urban 4 lane until you get to the CR 424 intersection of 121. Then Circle V is on the south side. I request that someone contact me and take a close look at this situation.

**Wanda Hamilton, 12223 State Highway 121 N., Anna, Texas 75409.**

**Response:** *Many alignment alternatives were evaluated including new alignment considerations. The roadway has been studied to minimize ROW takes using an alternative analysis process. Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand.*

*Tree Impacts Trees would only be removed as necessary during construction. Minor limb trimming may be required to promote safety during construction. Every effort would be made to preserve trees where they neither compromise safety nor substantially interfere with the project's construction. More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project.*

**W3 – No curbs on medians. Curb = death.**

**Richard McComack Jr. (no address provided).**

**Response:** *The urban section, with the use of curb-and-gutter configuration is the optimum configuration in this situation. Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand.*

**W4 – CR 420 is now CR 1220.**

**Ellen Hartley, P.O. Box 324, Melissa, Texas 75451.**

**Response:** *Comment noted.*

**W5 – Not to interfere with property at all. To pay full value of property. Put back new fence and all trees and not affect a good well and or buy the whole property. 2 house for asking price or not to use my side of the property.**

**Johnny Turner, 8505 CR 528, Anna, TX 75409 or 1425 San Carlos Dr., Anna, TX 75495; 903-482-6381.**

**Response:** *TxDOT ROW acquisition rules stipulate that adequate time be provided to potential impacted persons. The rules, policies, and procedures for relocating individuals, families, businesses, farms, and nonprofit organizations displaced by TxDOT ROW acquisition including methods for providing relocation services and for making moving and/or replacement housing cost payments are found in the TxDOT Right of Way Manual (Vol. 3-Relocation Assistance, revised September 2007).*

*Many alignment alternatives were evaluated including new alignment considerations. The roadway has been studied to minimize ROW takes using an alternative analysis process. Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand.*

*Trees would only be removed as necessary during construction. Minor limb trimming may be required to promote safety during construction. Every effort would be made to preserve trees where they neither compromise safety nor substantially interfere with the project's construction.*

*Important and essential property features such as water wells and utilities are generally replaced in kind as appropriate when a TxDOT project would impair their intended use.*

**W6** – Please do NOT make 121 a toll road. The people in our area cannot afford tolls. The commute is already too expensive. With the rise in gas, an added expense of tolls will create a great hardship for too many.

**Cynda Felini, PO Box 638, Westminster, TX 75485 75485;**  
**writerprintcess@yahoo.com; 469-667-6696.**

**Response:** *Comment noted. At this time there is no plan to make SH 121 a toll road in this area.*

**W7** – Please provide final grades and elevations at the intersection of State Hwy 121 and State Hwy 160. Also, provide drainage detail in the area of this intersection.

**Jack R. Weston, 15155 SH 160, Blue Ridge, TX 75424; 214-585-3613.**

**Response:** *Comment noted. More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project.*

**W8** – I would like to know if it is possible to buy a copy of the Collin County GIS map dated 2002 Collin County Thoroughfare (information services) displayed on easel at meeting. P.S. All people explaining right-of-way questions were courteous and very capable – well done!

**Charles M. Brazeal, 2705 Creek Crossing Dr., McKinney, TX 75070;**  
**zealllp@aol.com; 214-544-3596.**



**Response:** *Comment noted. Please contact Collin County Public Works Department at 972-548-3700 to inquire about map purchases.*

**W9** – What number of deaths occurred in the years prior to the turn lane being put in? Why do you wish to do away with the turn lanes in between the lights? There are a lot of vehicles that utilize it for safer turning without slowing up the traffic.

**Vicky McCormack, 2438 SH 121, Melissa, TX 75454; [vmccomack@msn.com](mailto:vmccomack@msn.com); 972-838-2128.**

**Response:** *Left and right-turn lanes are provided throughout the proposed project at various locations. The existing urban section has a constant left-turn lane. The proposed increase in traffic lanes makes the use of the constant left-turn lane unsafe.*

**W10** – Please email me the project information map.

**David Cox, PO Box 977, McKinney, TX 75070; [dcox@careycoxcompany.com](mailto:dcox@careycoxcompany.com); 972-562-8003.**

**Response:** *Comment noted. More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project.*

**W11** – We really need these printed materials. Happy to pay for them, we own 50 Ac commercial on corner of 121 & FM 545 (Liberty) purchased from Hillwood. Please advise, Thx.

**Tim Hughes, 16000 Dallas Pkwy, Ste. 225, Dallas, TX 75248; [thughes@falconcompanies.com](mailto:thughes@falconcompanies.com); 972-404-8382.**

**Response:** *Comment noted. More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project.*

**W12** – Creekside is not currently part of Melissa (unannexed). The creek in recent years has become more active & swift during storms. Your roadway will greatly increase runoff. Please study to see if federal flood planes will rise for 100 yr floods, also check to make sure erosive forces under & down stream are controlled. If those erosive forces will shift flood plains please inform us!

**Gary Russell, 5380 Creekside, Melissa, TX 75454; 214-882-7660.**

**Response:** *According to the FEMA Flood Insurance Rate Map (FIRM) (Flood Hazard Boundary Map Community Panel Nos. 48085C0175G, 48085C0200G, 48085C0100G, revised January 19, 1996), the proposed project would cross Zone A (the approximate*

100-year flood plain boundary). However, no base flood elevation or flood hazard factors have been determined. The hydraulic design practices for this project would be in accordance with current TxDOT design policy and standards. The highway facility would permit conveyance of the design-year flood levels, inundation of the roadway being acceptable, without causing substantial damage to the highway, stream or other property. Collin County is a participant in the National Flood Insurance Program (NFIP). The City of Melissa is not a participant in the NFIP. The proposed project would not increase the base flood elevation to a level that would violate the applicable floodplain regulations or ordinances, therefore, no coordination with either the FEMA or the local floodplain administrator would be required.

**W13** – Widening needs to start sooner than 2017. Also at 581 where our property is located, County is widening & paving road. The state part of that road is too narrow & a hazard. We can't make turn if car is coming to a stop sign with our long trailer and truck. Your access road is too narrow.

**Bucky Buckley, 13730 CR 577, Anna, TX 75409; 972-924-2611.**

**Response:** *Many alignment alternatives were evaluated including new alignment considerations. The roadway has been studied to minimize ROW takes using an alternative analysis process. Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand.*

**W14** - When does the road have to be 450' wide?

**Albert Womack, 11247 CR 507, Anna, TX 75409; 972-924-2214.**

**Response:** *The minimum ROW is proposed to accommodate that future demand. Many alignment alternatives were evaluated including new alignment considerations. The roadway has been studied to minimize ROW takes using an alternative analysis process.*

*Future added capacity is necessary for anticipated future demand on the roadway. From TxDOT Design Manual: "In rural areas, median sections are normally wider than in urban areas. For multi-lane rural highways without access control, a median width of 76 ft [22.8 m] is desirable to provide complete shelter for trucks at median openings (crossovers). These wide, depressed medians are also effective in reducing headlight glare and providing a horizontal clearance for run-off-the-road vehicle encroachments."*

**W15** – Regarding property at 121/SH 5/ Fannin Rd.: Please protect 1) Small well at 121/Fannin (NW Corner – 1305 McKinney St.). 2) Deep (woodbone) well at house just north of the Beverage store. 3) Stock pond behind house on N. McKinney Street (1309 McKinney St.). Pros: 1) Light at 121/Fannin and 121/SH5. 2) Improved corner @ 1305 McKinney St. site. Anti: toll road. Regarding property at 121/McDonald St./Hwy 5 split at Fannin Rd.: Pros: 1) Leaving crossover in front of the Beverage store (1305 McKinney

St.) in addition to light at Fannin Rd. and Hwy. 5 south. . This crossover is extremely helpful moving farm machinery across Hwy 5 to 121. Anti: light at new intersection where we have to make stop to turn left onto Hwy 5 and on NB side as well. Note: small well at back of house at 1309 McKinney St. ( in addition to 2 other wells seated on another comment form).

**Diane Miller, PO Box 126, Melissa, TX 75454; [parrishill@att.net](mailto:parrishill@att.net); 972-838-2388.**

**Response:** *Important and essential property features such as water wells and utilities are generally replaced in kind as appropriate when a TxDOT project would impair their intended use. Many alignment alternatives were evaluated including new alignment considerations. The roadway has been studied to minimize ROW takes using an alternative analysis process. Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand. More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project.*

**W16 -** Glad you are moving forward aggressively. I am partner of Melissa Liberty I-II. We own 50 acres from FM 545 to Liberty Dr. on north side of 121. Currently Washington Dr. is proposed to split our TR into 2 parcels and T into 121. It is imperative you address traffic access off 121 onto Washington from both directions. We will be severely affected by only accessing our development from 545 or Liberty or R in R out only from WB 121. We are planning retail, commercial project and delivery trucks will also be an issue. Navigating the side; please call me to review our present conditions in more detail.

**Tim Hughes, 16000 Dallas Pkwy, Ste. 225, Dallas, TX 75248; [thughes@falconcompanies.com](mailto:thughes@falconcompanies.com); 972-404-8382.**

**Response:** *More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project. Many alignment alternatives were evaluated including new alignment considerations. The roadway has been studied to minimize ROW takes using an alternative analysis process. Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand.*

**W17 –** Strongly oppose the 455 interchange! The feeder roads are too far out - Too much land is eaten up at the 455-121 intersection –bridge - feeder roads. The two sections of 455 need to be re-joined together. Cheaper - (bridge cost)- is not the best way always.

**Martha Jo Soule, PO Box 1263, Alma, TX 75409; [mjsoule@dfwair.net](mailto:mjsoule@dfwair.net); 972-924-2411.**

**Response:** *FM 455 was modified as a result of the May 2007 public meeting. Alternatives were analyzed and developed that removed the circular ramp configurations and frontage roads. Improvements were made to the overall geometry of the intersection 10 to minimize the ROW requirements as well as accommodate the increasing traffic volumes.*



**W18** – It appears that our restaurant, The Circle V, will basically be unaffected by the widening of S.H. 121; however, it is imperative that we have a cross- over or turn lane(s) to provide access to our restaurant. We discussed this with Mayor Kenneth Pelham, who mentioned a median cut to provide this access. Anything less would mean certain failure for our family business. Thank you for your consideration.

**Mary Valverde, 12546 S.H. 121 N., Anna, TX 75409; 972-924-2202.**

**Response:** *The restaurant is currently located very near the ROW line, making improvements that do not impact the restaurant is not feasible or practicable. Many alternatives were considered with goal to minimize impact and the least impacting alternative was selected. More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project.*

**W19** – My main concern is the corner clip on the northwest corner of intersection of Hwy 121 & Berry Rd. The proposed ROW will take most of my driveway for employee and customer parking. A 12” water main will have to be relocated at CR 507 going west the intersections. I will have water lines affected. All four corners of Hwy 121 & Berry Rd, I have lines & valves & meters. Some of the waterlines on the drawings are not correct. I will be glad to go over them with someone.

**Allen Knight, North Collin Water Supply, PO Box 343, Melissa, TX 75454; [aknight@northcollinwsc.com](mailto:aknight@northcollinwsc.com); 972-837-2331 or 214-212-9308 cell**

**Response:** *More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project.*

**W20** – Please consider the planting of many trees upon completion of the project. Not only would it be good for the environment, it is also eye pleasing (pretty). Thank you! Please seriously consider this request if not already approved.

**Gregg Farlow, 2611 Katie Trail, Melissa, TX 75454; [gafarlow@yahoo.com](mailto:gafarlow@yahoo.com); 214-773-4133.**

**Response:** *Comment noted.*

**W21** – Intersection at 121 and 455 is 200’ too wide. \*\*Do not use loops!! Use standard on & off ramps. This will be less costly to State and surface owner will be happier.

**Steve Soule, PO Box 1263, Anna, TX 75409; 972-924-2411.**

**Response:** *FM 455 was modified as a result of the May 2007 public meeting. Alternatives were analyzed and developed that removed the circular ramp configurations and frontage roads. Improvements were made to the overall geometry of the intersection*

*to minimize the ROW requirements as well as accommodate the increasing traffic volumes.*

**W22** – Why would you curb anything? It will all change before you can even begin to maintain it. The intersection at 455/121/475 seems too expensive. Most of the spaces are too large. The intersection could be lined up better with 455 & 475.

**Bob West, 7586 E FM 455, Anna, TX 75409; 214-676-3025.**

**Response:** *Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand. The urban section, with the use of curb-and-gutter configuration is the optimum configuration in this situation.*

*FM 455 was modified as a result of the May 2007 public meeting. Alternatives were analyzed and developed that removed the circular ramp configurations and frontage roads. Improvements were made to the overall geometry of the intersection to minimize the ROW requirements as well as accommodate the increasing traffic volumes.*

**W23** - Barry Rd. Intersection – Your easement on the east side seem excessive. It is taking up Kims Corner & the Sonic. At Kims there is plenty of space & there is gas tanks underground & it looks like you are taking too much real estate. Kims has been here for a long time and is a fixture here. I think you need to take this into consideration.

**Jerry Conklin, 16 Brookhollow; 214-801-1393.**

**Response:** *Many alignment alternatives were evaluated including new alignment considerations. The roadway has been studied to minimize ROW takes using an alternative analysis process. Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand. More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project. There would be four commercial displacements and eight residential displacements associated with the proposed project. TxDOT offers relocation assistance to all individuals, families, businesses, farmers, ranchers and nonprofit organizations displaced as a result of a State highway or other transportation project. No displaced residence shall be required to move permanently from his or her residence until at least one comparable replacement dwelling is made available to the person. The specific relocation sites of the displacees would not be known until TxDOT initiates the ROW acquisition process which cannot occur until FHWA approval of the project's environmental document and completion of the public involvement process.*

**W24** – I hope you will establish a project website where project updates are posted. It would also be nice if rural property owners were given the opportunity to pay for left turn access into their property.

**Kurt Zimmerman;** [kurt.zimmermann@verizon.net](mailto:kurt.zimmermann@verizon.net); **972-423-8786.**

**Response:** *Comment noted.*

**W25** – Median would be better several with turning lanes for access to properties within the area. Concrete, not asphalt, not grass.

**Debra Lee Molaison Darnell, 15837 SH 121 N. Blue Ridge, TX 75424; 972-548-4040, 972-658-4461, 972-658-6108 (David).**

**Response:** *Left and right-turn lanes are provided throughout the proposed project at various locations. The existing urban section has a constant left-turn lane. The proposed increase in traffic lanes makes the use of the constant left-turn lane unsafe.*

**W26** – No curbs on road. Dangerous for flip overs in accident.

**Rick Dulit, no address.**

**Response:** *Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand. The urban section, with the use of curb-and-gutter configuration is the optimum configuration in this situation.*

**W27** – We are concerned about the area 455 North to county road 507. We understand the need for feeder roads due to the dangerous intersection of 455 & 121, but why do you need the additional area between the new highway and the feeder roads? It seems you could tighten up the right of way and still address the safety issues. How will you handle the intersection of CR 507 and 121? Will it be a red light, stop sign, or what?

**Alan Walters, Anna School Board, 11248 CR 507, Anna, TX 75409; 972-924-2445.**

**Response:** *FM 455 was modified as a result of the May 2007 public meeting. Alternatives were analyzed and developed that removed the circular ramp configurations and frontage roads. Improvements were made to the overall geometry of the intersection to minimize the ROW requirements as well as accommodate the increasing traffic volumes. More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project.*

*From TxDOT Design Manual: "In rural areas, median sections are normally wider than in urban areas. For multi-lane rural highways without access control, a median width of 76 ft [22.8 m] is desirable to provide complete shelter for trucks at median openings (crossovers). These wide, depressed medians are also effective in reducing headlight glare and providing a horizontal clearance for run-off-the-road vehicle encroachments."*



*The intersection of CR507 and 121 is proposed to have a two-way stop sign. If additional traffic or safety concerns develop, the area will be re-assessed for additional improvements.*

**W28** – 455 & 121 needs to be re drawn. Intersection is too large, too wide, too complex. Need to be redesigned to reconnect both 455's.

**Saundra Griffin, WKG Enterprise, 5864 E GM 455, Anna, TX 75409; 972-924-3749.**

**Response:** *FM 455 was modified as a result of the May 2007 public meeting. Alternatives were analyzed and developed that removed the circular ramp configurations and frontage roads. Improvements were made to the overall geometry of the intersection to minimize the ROW requirements as well as accommodate the increasing traffic volumes.*

**W29** - Concerned about noise levels at FM 455 as 121 crosses Sister Grove Creek. Even today, noise from 121 can be heard in Wild Rose Farms. More lanes with more traffic will only generate more noise. Some sort of wall may be needed there.

**Keith Simpson, 11465 Wild Rose Lane, Anna, TX; [keith@ksimpson.org](mailto:keith@ksimpson.org); 972-924-2597.**

**Response:** *The proposed project would result in a traffic noise impact at several locations along the project and the following noise abatement measures were considered: traffic management, alteration of horizontal and/or vertical alignments, acquisition of undeveloped property to act as a buffer zone and the construction of noise barriers. Before any abatement measure can be proposed for incorporation into the project, it must be both feasible and reasonable. In order to be "feasible," the abatement measure must be able to reduce the noise level at an impacted receiver by at least five dBA; and to be "reasonable," it must not exceed the cost-effectiveness criterion of \$25,000 for each receiver that would benefit by a reduction of at least five dBA. None of the above noise abatement measures would be both feasible and reasonable; therefore, no abatement measures are proposed for this project.*

**W30** – Use a road surface material that is less noisy than the current “new & improved” surface that was used most recently (the old surface was much quieter). Intersection at 455 & 121 is much too elaborate. This is not a major intersection. The current design uses too much land. The higher road elevation will mean more noise as well. There needs to be more coordination between these major projects (e.g., outer loop). I don't care if they're being managed by different people; they need to work together ultimately.

**Kelly Simpson, 11465 Wild Rose Lane, Anna, TX 75409; 972-924-2597.**

**Response:** *The proposed project would result in a traffic noise impact at several locations along the project and the following noise abatement measures were considered: traffic management, alteration of horizontal and/or vertical alignments, acquisition of*

*undeveloped property to act as a buffer zone and the construction of noise barriers. Before any abatement measure can be proposed for incorporation into the project, it must be both feasible and reasonable. In order to be "feasible," the abatement measure must be able to reduce the noise level at an impacted receiver by at least five dBA; and to be "reasonable," it must not exceed the cost-effectiveness criterion of \$25,000 for each receiver that would benefit by a reduction of at least five dBA. None of the above noise abatement measures would be both feasible and reasonable; therefore, no abatement measures are proposed for this project.*

*FM 455 was modified as a result of the May 2007 public meeting. Alternatives were analyzed and developed that removed the circular ramp configurations and frontage roads. Improvements were made to the overall geometry of the intersection to minimize the ROW requirements as well as accommodate the increasing traffic volumes.*

*The major developments planned within the project area and Collin County are continuing to become more urbanized. Local planning goals for the City of Melissa are to have more commercial development along SH 121 and this corridor continues to serve as the primary commercial area. The proposed project would improve traffic mobility, reduce traffic congestion and stimulate economic development.*

**W31** - I own Kims Korner at the corner of 121 & Berry Rd. We are a single store family operation that has been in Melissa since 1983. The proposed right-of-way for the right turn lane at that intersection will take both of my high-rise signs, my underground fuel tanks, my diesel island, part of our regular gas island/canopy, and all of our vacuum at our car wash. Obviously, this would be devastating to our business and could put us out of business. I would appreciate someone calling me to discuss options & possible solutions. Thank you for your time & help.

**Kevin Slaughter, 2837 Acton Place, Birmingham, AL 35243; 205-969-2065.**

**Response:** *Many alignment alternatives were evaluated including new alignment considerations. The roadway has been studied to minimize ROW takes using an alternative analysis process. Future added capacity is necessary for anticipated future demand on the roadway. The minimum ROW is proposed to accommodate that future demand.*

*TxDOT ROW acquisition rules stipulate that adequate time be provided to potential impacted persons. The rules, policies, and procedures for relocating individuals, families, businesses, farms, and nonprofit organizations displaced by TxDOT ROW acquisition including methods for providing relocation services and for making moving and/or replacement housing cost payments are found in the TxDOT Right of Way Manual (Vol. 3-Relocation Assistance, revised September 2007).*

*There would be four commercial displacements and eight residential displacements associated with the proposed project. TxDOT offers relocation assistance to all individuals, families, businesses, farmers, ranchers and nonprofit organizations*

*displaced as a result of a State highway or other transportation project. No displaced residence shall be required to move permanently from his or her residence until at least one comparable replacement dwelling is made available to the person. The specific relocation sites of the displaces would not be known until TxDOT initiates the ROW acquisition process which cannot occur until FHWA approval of the project's environmental document and completion of the public involvement process. More detail concerning the project and additional opportunities to comment would be an essential component of the upcoming Public Hearing for the SH 121 project.*

## **Recommendations**

TxDOT has thoroughly analyzed all verbal and written comments received from the public. The project should continue to proceed forward for further development.

NOTE: This document is to serve only as a summary to the Public Meeting Proceedings and TxDOT Responses given to the public's inquiry. Please see the attached written comment forms for a more detailed version.



APPENDIX A

SIGN IN SHEETS



**SH 121 PUBLIC MEETING**  
**From SH 5 to Fannin County**  
**First Melissa Baptist Church**  
**May 15, 2007**

[illegible]



SH 121 PUBLIC MEETING  
From SH 5 to Fannin County  
First Melissa Baptist Church  
May 15, 2007

| Elected Position or Agency you Represent | Name                     | Mailing Address                      | Phone #        | Email                     |
|--|--------------------------|--------------------------------------|----------------|---------------------------|
|  | Bruce Georgi             | 295 Salmon Lake Dr                   | 214-924-7573   | blgeorgi@yahoo.com        |
| TxDOT                                    | Stan Hall                | TDOT - DMUS                          | 2-320-6155     | shall@dot.state.tx.us     |
|  | Donc Brummett            | 15966 Hwy 121 N. Blue Ridge          | 214) 733-7271  | dbrummett@earthlink.net   |
|  | Gary Hughes              | 8145 FM 2862 Anna                    | 972 924 2239   |                           |
|  | Samuel Jacob             | PO Box 118886 Ann TX 75011           | 214-770-2570   |                           |
|  | Quinn Collins            | 9262 CR 419 Anna, TX 75409           | 972 837-2489   |                           |
|  | Robert Ivey              | 402 FISHERMAN TRAIL MELISSA TX 75454 | 972 837-1125   |                           |
|  | Robyn Root               | PO Box 517 McKinney, TX 75070        | 972-547-7925   | root@mcinneytexas.org     |
|  | Maria G. Cisneros        | 5307 Creekside Melissa, TX 75454     | (972) 837-2041 |                           |
|  | <del>Derek Johnson</del> |                                      |                |                           |
|  | North Texas Toll         | 15211 Stat Hwy 121 Annt              | 972-752-5705   |                           |
|  | Mary Valverde            | STATE HWY 121 ANNA                   | 972-9242202    |                           |
|  | STEVE SOULE              | P.O. Box 1263, ANNA, TX. 75409       | 972-924-2411   |                           |
|  | Carol Bell               | P.O. Box 302 Blue Ridge              |                |                           |
|  | Cindy Bell               | PO Box 302 Blue Ridge                |                |                           |
|  | Alan Walters             | 11248 CR 507 Anna TX                 | 972-924-2445   | Alan Walters@GameStop.com |
|  | Becky Settje             | 4965 Brook Lane, Anna TX             | 972 924-3577   | settjetexas@dfwair.net    |





SH 121 PUBLIC MEETING  
From SH 5 to Fannin County  
First Melissa Baptist Church  
May 15, 2007

| Elected Position or Agency you Represent | Name  | Mailing Address   | Phone #      | Email                       |
|--|---|---|--------------|-----------------------------|
|  | Betty LARKIN<br>DONALDSON                   | 14702 DONALDSON DR<br>ANNA, TX 75409                    | 972-752-4520 | bdonaldson@aol.com          |
|  | DAVID COX                                   | PO Box 977 McKinney<br>TX 75070                         | 972-562-8003 |                             |
|  | Fred Lewis<br>Henry Drexel<br>Martha Drexel | 2040 Spanish Oak Tel.<br>1011 Coleman McKinney<br>75069 | 972-632-6174 | FL2004@msn.com              |
|  | Kevin Slaughter                             | PO BOX 8 Melissa, TX 75454                              | 972-837-2422 |                             |
|  | DAN BARNER                                  | 8428 CR 527 ANNA TEX 75409                              | 972-924-2235 |                             |
|  | BRAD HUNSTABLE                              | 5430 LBJ Fwy, DALLAS TX 75240                           | 972-201-2935 |                             |
|  | Bentley Powell                              | P.O. Box 2408 Wylie TX 75098                            | 972-442-5405 | North Texas Municipal Water |
|  | KEVIN SPAETH                                | 510 Hilltop Anna, TX 75409                              | 214-205-3214 | kevins.ccac@ymcadas.org     |
|  | TIM HUGHES                                  | 16000 DALLAS PKWY STE 22 DB 75248                       | 972-404-8382 | hughes@falconcompanies.com  |
|  | Martha Jo Soule                             | PO Box 1263, Anna, TX 75409                             | 972-924-2411 | mjsoule@dfwair.net          |
|  | David Darwell                               | 15837 St Hwy 121N                                       | 972-658-4461 | Darwell@Barilco.com         |
|  | Debbie Darwell                              | 15837 St. Hwy 121N                                      | 972-658-6108 | Debbie.Darwell@FB01.com     |
|  | SHAWN BHAGAT                                | 2415 W. NORTHWEST HWY, #105<br>DALLAS, TX 75220         | 214-350-0453 | Sbhagat105@AOL.com          |



SH 121 PUBLIC MEETING  
From SH 5 to Fannin County  
First Melissa Baptist Church  
May 15, 2007

| Elected Position or Agency you Represent | Name                | Mailing Address                          | Phone #      | Email                       |
|--|---------------------|--|--------------|-----------------------------|
|  | Joe Kelley          | 14668 Hwy 121 N. Anna TX 75409           | 972-752-5471 | Kelley@isp.com              |
|  | Rich Lankins        | 221 N Tennessee McKinney TX 75070        | 972-547-7438 | rlankins@mcKinneyTX.org     |
|  | D.J. Womack         | 11247 County Road 507 Anna TX 75409-8000 | 972-924-2214 | AE or D.J. Womack@msn.com   |
|  | Don Wall            | 4125 Holbrook Paris, TX 75462            | 903-784-3161 | drwall@suddenlink.net       |
|  | Melanie Russell     | 5380 Creekside Rd, 75491                 | 972-837-2365 |                             |
|  | Debbie Messenger    | 14755 CR 525, Anna TX 75409              | 972-924-2571 |                             |
|  | Sterling Brilaw     | 16038 Hwy 121 N Blue Ridge TX 75462      | 469-396-8141 |                             |
|  | Becky Airhart-Smith | 7172 Old Valdosta Rd. Blue Ridge, TX     | 972-752-5041 | bos-hss@msn.com             |
|  | Frances Airhart     | 7295 CR 508 Blue Ridge, TX               | 972-752-5041 |                             |
|  | Kelly Simpson       | 11465 Wild Rose Ln Anna, TX              | 972-924-2597 | Kelly@Simpsonhome.net       |
|  | Kelley Burgess      | 11758 CR 509 Anna TX 75409               | 972-924-4254 | Kelley_burgess@hotmail.com  |
|  | RANDY KAISER        | 1614 GRANDBERRY DR MELISSA TX            | 214.704.2491 | RKAISER@CITYOFMELISSA.COM   |
|  | Kurt Zimmerman      | 4004 Valdez Ct Plano, TX 75074           | 972.423.8786 | Kurt.zimmermann@verizon.net |
|  |                     |  |              |                             |
|  |                     |  |              |                             |
|  |                     |  |              |                             |
|  |                     |  |              |                             |



SH 121 PUBLIC MEETING  
From SH 5 to Fannin County  
First Melissa Baptist Church  
May 15, 2007

| Elected Position or<br>Agency you Represent | Name           | Mailing Address                | Phone #                      | Email                    |
|---|----------------|--------------------------------|------------------------------|--------------------------|
|   | Becky Quinn    | 5376 Fm 545 Melissa            | (9) 837-4144                 | megquinn@flash.net       |
|   | Jerry Conklin  | 16 Brook hollow                | 214-801-1393                 | bgquinn@flash.net        |
|   | Ken Brantley   | 6725 Lakeshore Dr Dallas 75214 | 214-826-5853                 | KDB0067@scglobal.net     |
|   | Diane Miller   | PO Box 126, Melissa TX 75454   | 972-564-7982<br>972-8382-388 | Parrishill@att.net       |
|   | Dan Trott      | 1619 Grandberry Dr., MELISSA   | 91838-4300                   | dtrott@cityofmelissa.com |
|   | Rudy Pickett   | 39 Country Ridge Mel           | 91838 2907                   |                          |
|   | Bucky Buckley  | 13730 CR 577 Anna 75400        | 972-924-2611                 |                          |
|   | Susan Knight   | 6911 FM 2933 Melina TX 75454   |                              |                          |
|   | Sandra Huffer  | 5864 E FM 455 Anna, TX         | 972-924-3749                 |                          |
|   | ROBERT WEST    | 7586 E FM 455 ANNA, TX         | 214 676-3025                 | rlwest@scglobal.net      |
|   | Doug Gillespie | 7600 Sunset Lane Anna TX       |                              |                          |
|   | Ofis Devine    | 330 Cambridge Dr. Fairview     | 469 766 9725                 |                          |
|   | Dwain Gaus     | 3840 CAROL D LANE, MELISSA     | 972 837 4227                 | dwain@CAROL-D.COM        |
|   | Keith Simpson  | 11465 Wild Rose Lane, Anna     | 972-924-2597                 | Keith@ksimpson.org       |
|   | Karen Walters  | 11248 CL 507 Anna, TX 75400    | 972-924-2445                 |                          |
|   |                |                                |                              |                          |
|   |                |                                |                              |                          |





SH 121 PUBLIC MEETING  
From SH 5 to Fannin County  
First Melissa Baptist Church  
May 15, 2007

| Elected Position or<br>Agency you Represent | Name                  | Mailing Address            | Phone #      | Email                      |
|---|-----------------------|----------------------------|--------------|----------------------------|
|   | Wayne Reaser          | 717 Finch Dr. Long         | 214-707-9552 | wnreaser@sbby.co           |
|   | Mike Jones            | 2503 Lee McKinney          | 972-567-7727 | michael.jones@sbby.co      |
|   | Michelle Wickliffe    | 9747 SH. 121 N. Anna       | 972-838-2595 | mwickliffe@hotmail.com     |
|   | Rick DeVito           | 3819 WOLF CREEK LN         | 469-328-0078 | Rix76D@AOL                 |
|   | Bob Walner            | 1812 Lakeshorne            | 214-726-0830 | walner2@tx.vr.com          |
|   | Tamara Kippner        | 1171 CR 4140 Bonham        | 972-227-5874 | tamara@gatewayhomebldg.com |
|   | John Tanch            | 2704 Loftsmoor Ln          | 972-355-7008 | Jtanch@pe1125/51c          |
|   | Ben Ryndar            | 2502 DeBerry Ct Meusa      | 972-837-9146 |                            |
|   | LARRY SIMMONS         | 3819 PLEASANT RUN          | 214-803-4882 | LARRYSIMMONS@CZICRUSES.NC  |
|   | Gregg Farlow          | 2611 Katie Trail           | 214-773-4133 | gafarlow@yahoo.com         |
|   | Bobbie Hensigman      | 8604 342 MELISSA TX        | 972-238-2645 | bobbie@alpoints-travel.com |
|   | RICK HOENIGMAN        | " " " "                    | " " " "      |                            |
|   | JAMES & JUDY STERLING | 8711 CR 513 ANNA, TX 75409 | 972-824-4531 |                            |
|   | B + S. IVEY           | 402 Fisherman Tr. Melissa  | 972-837-1125 |                            |
|   | Rustin Stewart        | 220 N. Tennessee McKinney  | 972-547-7500 | rstewart@mcKinneytxas.org  |
|   | Jim Hargis            | 2138 CALHAR @ Melissa TX   | 214-325-1877 | Jim@CALHAR.co              |



SH 121 PUBLIC MEETING  
From SH 5 to Fannin County  
First Melissa Baptist Church  
May 15, 2007

| Elected Position or Agency you Represent | Name                        | Mailing Address                                  | Phone #                 | Email                     |
|--|-----------------------------|--|-------------------------|---------------------------|
| Collin County Commissioner               | Joe Jaynes                  | 210 S. McDonald St., #626, McKinney Texas, 75069 | 817-548 4631            | jjaynes@co.collin.tx.us   |
|  | <del>Albert E. Womack</del> | <del>11247 CR 507 Anna TX 75009</del>            | <del>472-924-2214</del> |                           |
|  | Sabrina Cain                | 4600 Greenville Ave #200 <sup>DB</sup> 75206     | 214-691-6216            | scain@hwell.com           |
|  | Meredith Hagen              | 10515 Highway 121 75409                          | 972-924-4455            |                           |
|  | Kyra Huddleston             | 3004 Hamilton Melissa 75404                      | 972-838-9826            |                           |
|  | Gary Russell                | 5380 Creekside Melissa TX                        | 972-837-2365            | Indelibleimages@yahoo.com |
|  | Vicki McCormack             | 2438 State Hwy 121 Melissa TX                    | 972-838-2128            | Vmccormack@msn.com        |
|  | Dee Butey                   | 10880 Hwy 121 N Anna, TX                         | 972-924-8162            | DGENTRYM@aol.com          |
|  | Aletta Bapty                | 120 C.R 343, Melissa TX                          | 972-838-4370            |                           |
|  | Cardyn Gidney               | 9675 S. H. 121 Anna 75409                        | 972-837-4538            |                           |
|  | Ramsey Gidney               | 9675 S-H 121 Anna 75409                          | " " "                   |                           |
|  | John + Kim Tauch            | 8756 CR 508 Anna TX 75409                        | 214-641-1804            | Kimtauch@tx.rr.com        |
|  | Wanda Hamilton              | 12223 St Hwy 121 N, Anna <sup>75409</sup>        | 972-924-2419            | wanda_226@yahoo.com       |
|  | Aaron + Linalibba           | 1627 Eastwood Rd. Melissa TX                     | 972-837-2634            |                           |
|  | Johnny Turner               | 8505 CR 528 Anna TX                              | 903-482-6381            |                           |
|  | Candi Hughes                | 8145 Fm 2862 Anna 75409                          | 972-924-2239            | Candi.Hughes@cor.gov      |
|  | <del>Ariz</del>             | 14821 Hwy 121 N Anna                             |                         | rdmays@earthlink.net      |



SH 121 PUBLIC MEETING  
From SH 5 to Fannin County  
First Melissa Baptist Church  
May 15, 2007

| Elected Position or Agency you Represent | Name             | Mailing Address                      | Phone #      | Email                            |
|--|------------------|--------------------------------------|--------------|----------------------------------|
|  | CHARLES M BRAZEL | 2705 CREEK CLOSING DR MCKINNEY 75070 | 214 544 3596 | ZBALLP@aol.com                   |
|  | Ed Kortlett      | 840 Bartlett Rd Melissa 75454        | 972-838-2506 |                                  |
|  | MARK WALLIS      | 2801 Berry View Ct Melissa 75454     | 972-837-4604 | markwallis@sbglobal.net          |
|  | Andy Anderson    | P.O. Box 696 WESTMINSTER, TX 75485   | 972-752-9985 | AndyA@dfwair.net                 |
|  | ALLEN KNIGHT     | P.O. Box 343 MELISSA, TX 75454       | 972-837-2331 | AKNIGHT@NORTHCOLLINEWSC.COM      |
| City of Anna                             | Kenny Jenks      | PO Box 776 Anna 75409                | 972-924-3325 | KJENKS@annatexas.gov             |
| City of Anna                             | Kenneth Pelham   | PO Box 776 Anna 75409                | "            | mayorofanna@annatexas.gov        |
|  | Jack Weston      | 15155 SH 160 BUSK RIDGE 75424        | 214-585-3613 | jweston@mckinneytx.org           |
| City of Melissa                          | Sharon Weideman  | 4 Shady Bend Dr 75454                | 214 924 0224 | SharonWeideman@cityofmelissa.com |
|  | Ellen Hartley    | P.O. Box 324 Melissa 75454           | 972-837-2826 | ehartley@att.net                 |
|  | GARY HARTLEY     | ✓                                    | ✓            | ✓                                |
|  | C. E. WILCOX     | 9510 CR 582 ANNA, TX                 | 972-752-5624 |                                  |
|  | Jane Brown       |                                      |              |                                  |
|  | Sam Luscombe     | Box 427 ANNA TX 75409                | 972-837-4423 | SURVEY.SAM@msn.com               |
|  | Sandy Card       | POB 63 Melissa TX 75454              | 972-837-2849 |                                  |
|  | CHARLES E CARD   | PO Box 63 MELISSA TX 75454           | 972-837-2847 |                                  |
|  | Mike Justice     | Melissa                              | 972-9071111  |                                  |



SH 121 PUBLIC MEETING  
From SH 5 to Fannin County  
First Melissa Baptist Church  
May 15, 2007

| Elected Position or Agency you Represent | Name            | Mailing Address                                  | Phone #      | Email                          |
|--|-----------------|--|--------------|--------------------------------|
| Collin County Commissioner               | Joe Jaynes      | 210 S. McDonald St., #626, McKinney Texas, 75069 | 817-548 4631 | jjaynes@co.collin.tx.us        |
|  | Wb marey jr     | PO Box 831424                                    | 214-532-6287 |                                |
|  | 400 S. Waddell  | 75069  |              |                                |
|  | Robert Cantrell | 10515 Highway 121                                | 972 924 4455 | NAWinkle@swbell.net            |
|  | Carol R. Linn   |  |              |                                |
|  | Joe Clue        | 2523 Quail R. Dr. <sup>75434</sup> Melissa, TX   | 978.838.9283 |                                |
|  | Cynda Felini    | PO Box 635, Westminster 7985 FM 2862 TX 75435    |              |                                |
|  | Michael Felini  | " " "  |              |                                |
|  | Centroya        | 1164 1/4th Blvd. Rd. Tn                          | 903 364 2695 |                                |
|  | BARBARA GIBSON  | P.O. Box 3522, Mc Kinney, TX 75070               | 972 752 9196 | barbara.gibson@blockbuster.com |
|  | Richard McLean  | 3438 Stillwater Dr. N Melissa TX. 75454          | 972 838 2128 | Fish Paw @ Hotmail .com        |
|  | STEWART BESS    | 271 County Road 95 Melissa, TX 75454             | 214/551-0794 |                                |
|  | Mary Damm       | P.O. Box 409 Melissa 75454                       | 972 838 2010 |                                |
|  | Tina Hulmberger | 15 Brookhollow Cir. Melissa, TX                  | 972-569-0615 | info@lonestarpartybarn.com     |
|  | JEFF DAE        | 3502 SH 121                                      | 9858 4100    |                                |
|  | ROY DAE         | 3502 SH 121                                      | 9838 4100    |                                |
|  | Jim Luscombe    | 1320 CR 366                                      | 835-2321     |                                |



APPENDIX B

HANDOUTS/DISPLAYS

**SH 121 Public Meeting  
From SH 5 to the  
Collin County Line  
First Melissa Baptist Church  
May 15,2007**

Open House 6pm-7pm

The Texas Department of Transportation (TxDOT), in cooperation with Collin County, will conduct a Public Meeting for the purpose of soliciting public comments on the proposed improvements to State Highway (SH) 121 from SH 5 in the City of Melissa to East Line Road on the Collin County line. The corridor is approximately 14 miles in length. The roadway would be modified to meet current TxDOT design standards. The roadway is proposed to be improved by widening the existing two-lane roadway to a four-lane facility as follows:

- a. From SH 5 to the planned Outer Loop (approximately one half mile northeast of County Road 420), four 12-foot wide travel lanes with curb and gutter and a raised 40-foot wide median is proposed.
- b. From the Outer Loop to Collin County Line (East Line Road), four 12-foot wide travel lanes, 10-foot outside shoulders, and a 48-foot wide median with grass-lined drainage ditches is proposed.

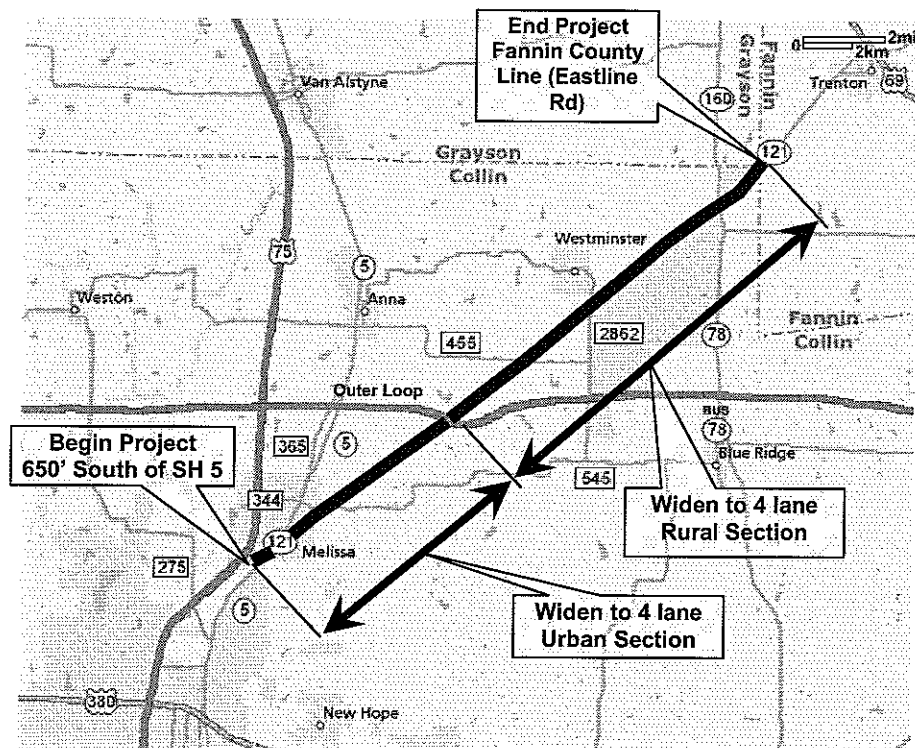
Maps, drawings, and other information about the project on display at this meeting allow interested persons to learn more about the proposed project. Project personnel are available to assist in orientation and interpretation of the drawings and other material on hand, and discuss possible mobility and environmental effects of the proposed project.

All interested persons are invited to express their views on this proposed project. Written comments may be submitted in person via the comment forms available here, or by mail to:

Lockwood, Andrews & Newnam, Inc.  
Attention: Joe Atwood, PE  
1320 S. University Drive, Suite 450  
Fort Worth, TX 76107

**SH 121 Public Meeting  
From SH 5 to the  
Collin County Line  
First Melissa Baptist Church  
May 15, 2007**

**Project Location Map (not to scale):**

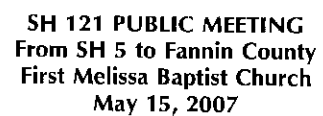


**Project Information**

Preliminary Projected Construction Cost: \$90M

Construction after 2012

Collin County and TxDOT working on an accelerated schedule

[illegible]



**PUBLIC INPUT**

**Comment Form**

**Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)**

**May 15, 2007**

**First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454**

**Name:** \_\_\_\_\_ **Phone:** \_\_\_\_\_

**Elected Position (if applicable)** \_\_\_\_\_

**Mailing Address & email**

\_\_\_\_\_  
\_\_\_\_\_

**Comments**

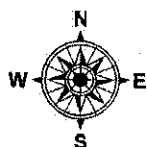
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\_\_\_\_\_  
\_\_\_\_\_

Please drop comments in the Comment Drop Box, or mail them to:  
Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.



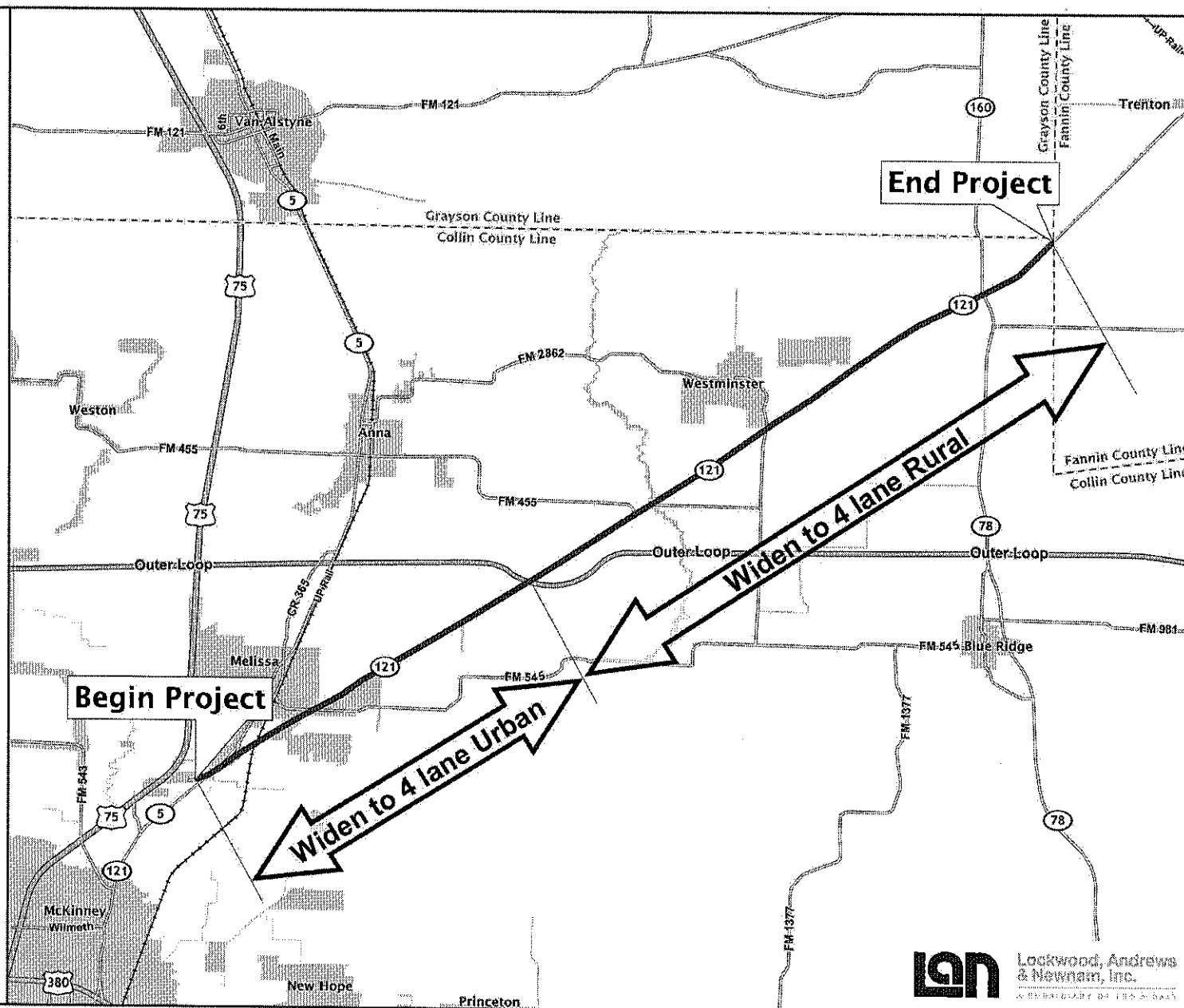
## Project Information Map

From 650' South of SH 5  
to Fannin County Line  
(Eastline Rd)



— SH 121 Project Limits

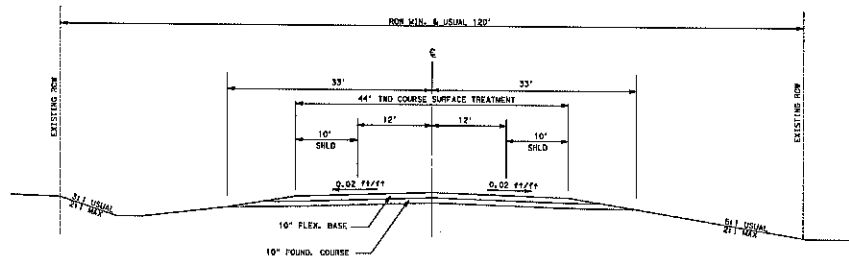
- \$90 M Construction Cost
- Construction after 2012
- Collin County and TxDOT Working on Accelerated Schedule



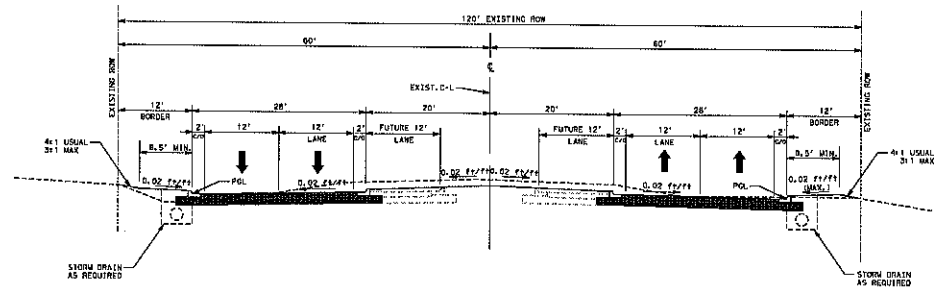
## PROPOSED ROAD SECTIONS

- 4 LANE URBAN
  - MAY WIDEN TO 6 LANES
  - UNDERGROUND STORM DRAINS
  - FROM SH 5 TO OUTER LOOP
  - 45 MPH
- 
- 4 LANE RURAL
  - 48' MEDIAN
  - 60' ADDITIONAL ROW
  - FROM OUTER LOOP TO EASTLINE ROAD
  - 70 MPH

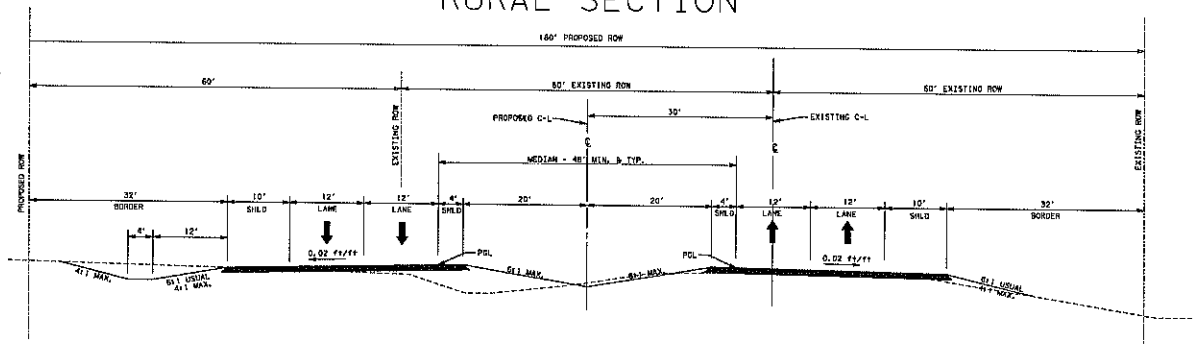
### EXISTING SECTION



### URBAN SECTION



### RURAL SECTION





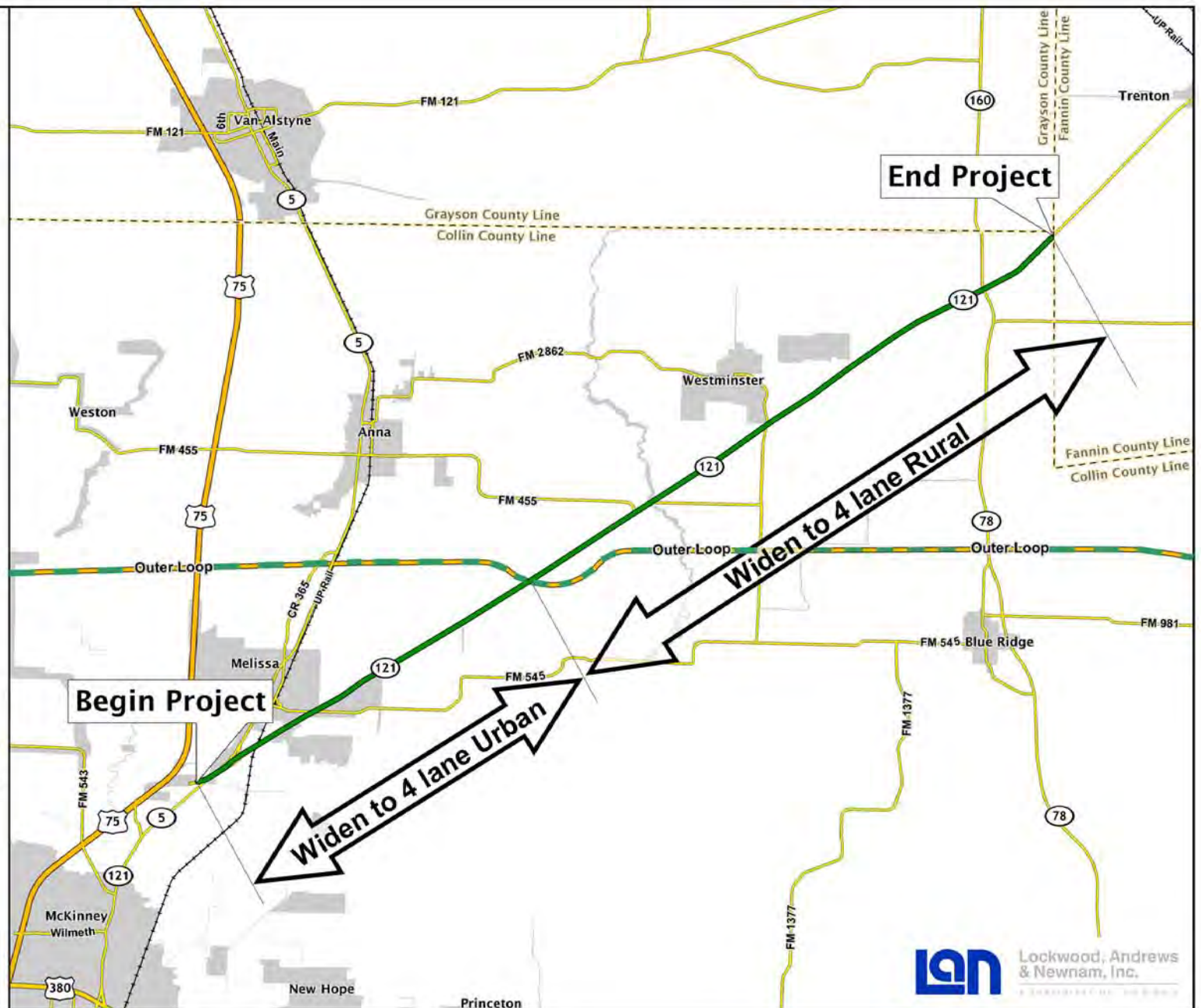
## Project Information Map

From 650' South of SH 5  
to Fannin County Line  
(Eastline Rd)

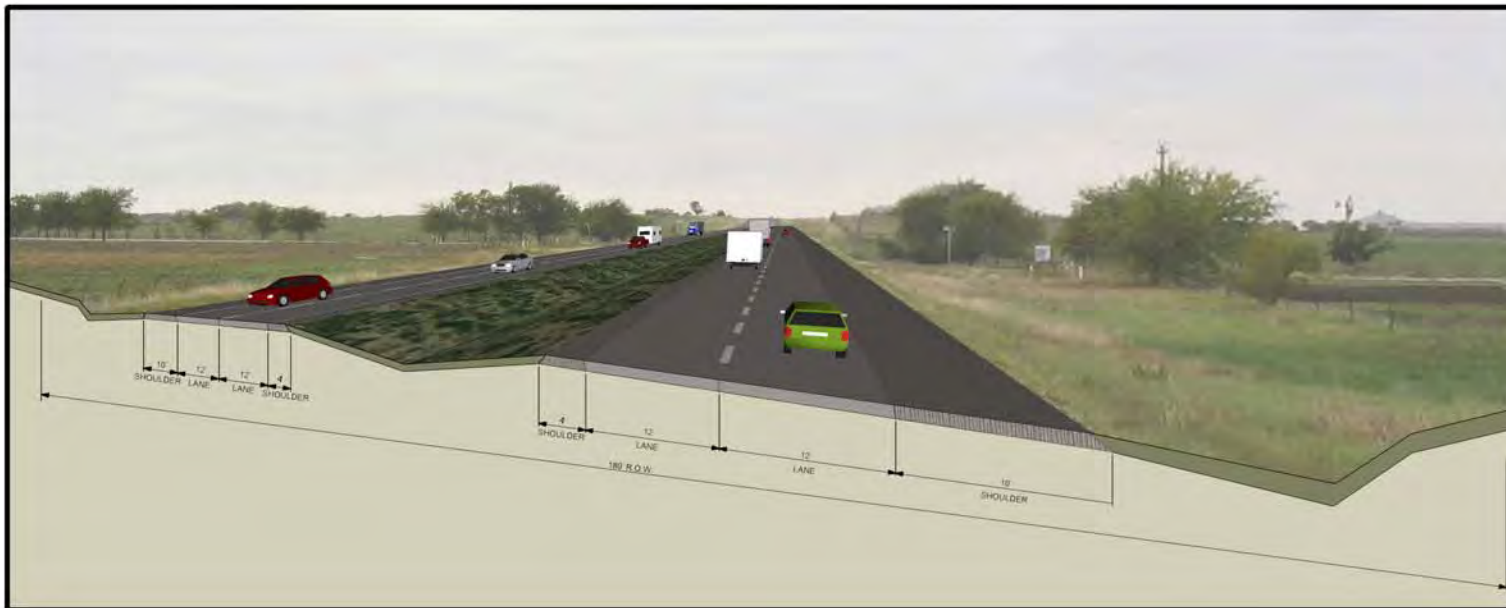
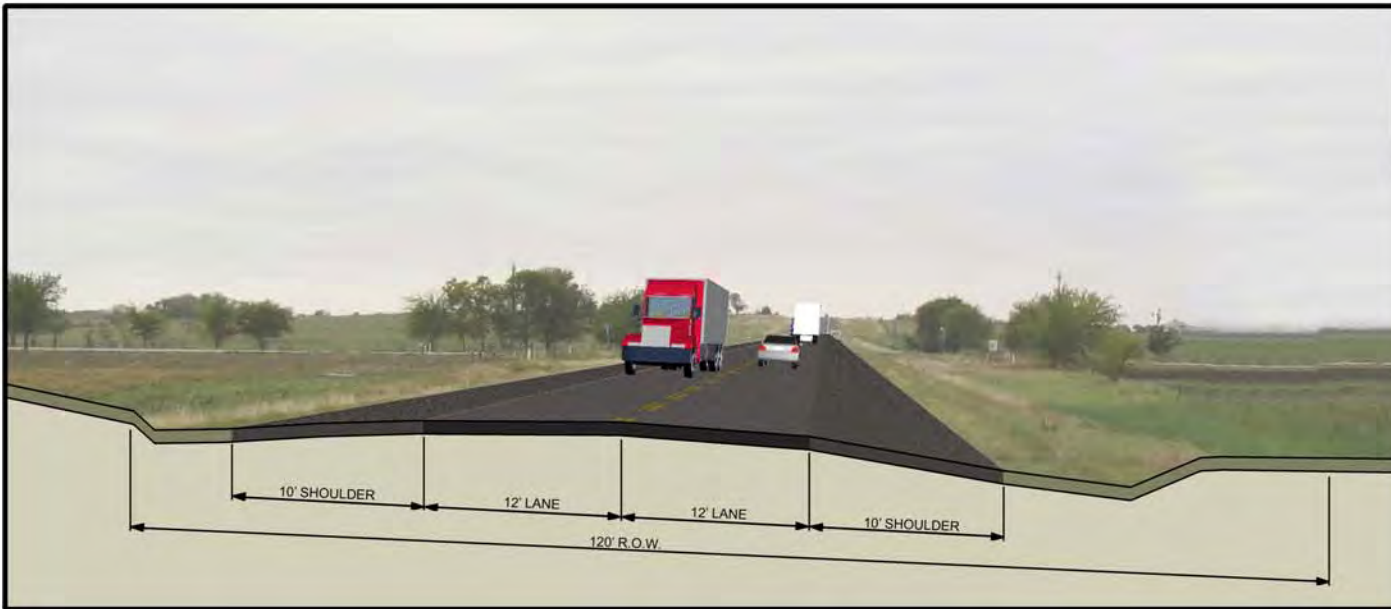


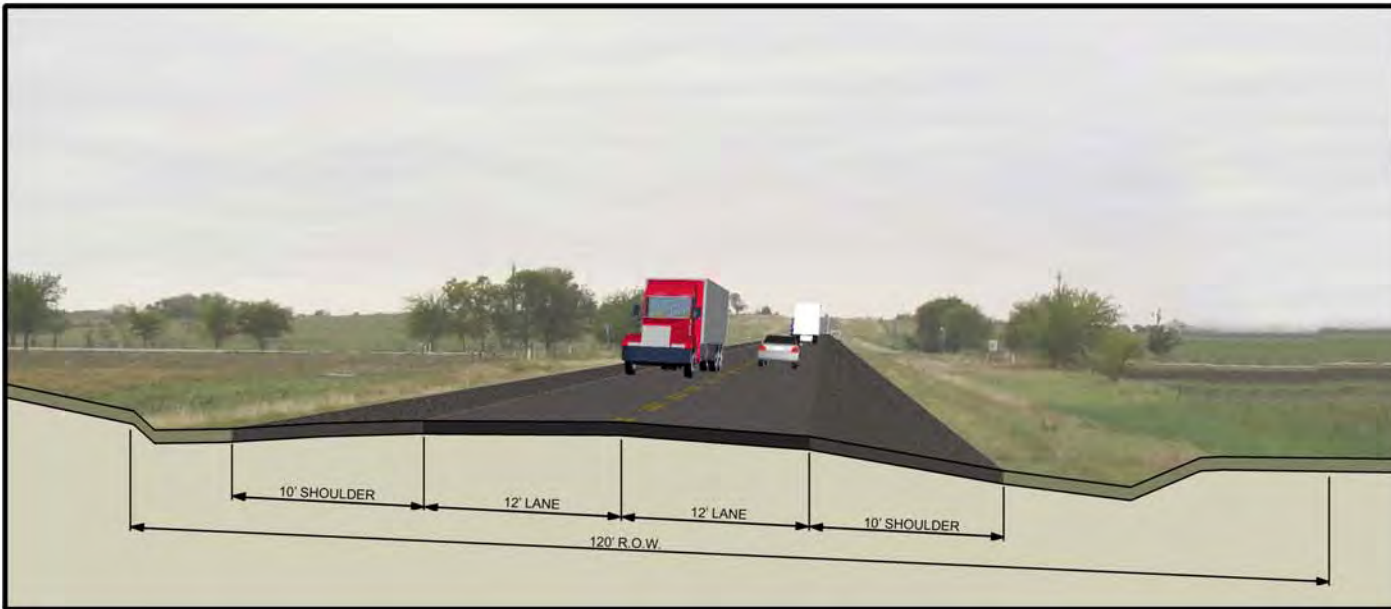
— SH 121 Project Limits

- \$90 M Construction Cost
- Construction after 2012
- Collin County and TxDOT Working on Accelerated Schedule









# PROPOSED ROAD SECTIONS

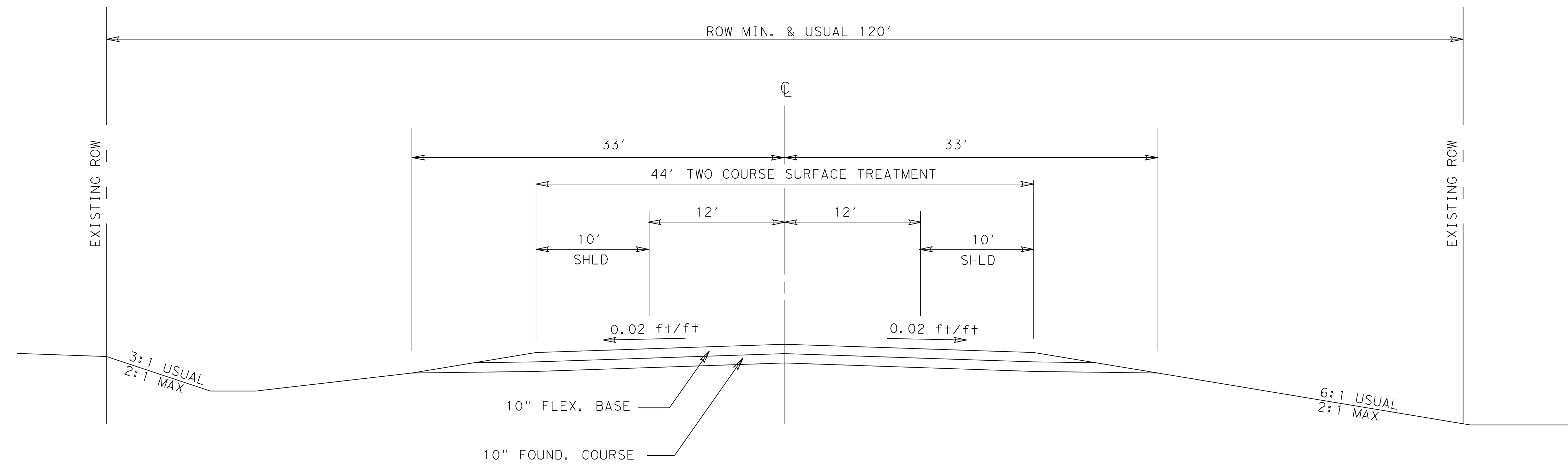
## 4 LANE URBAN

- MAY WIDEN TO 6 LANES
- UNDERGROUND STORM DRAINS
- FROM SH 5 TO OUTER LOOP
- 45 MPH

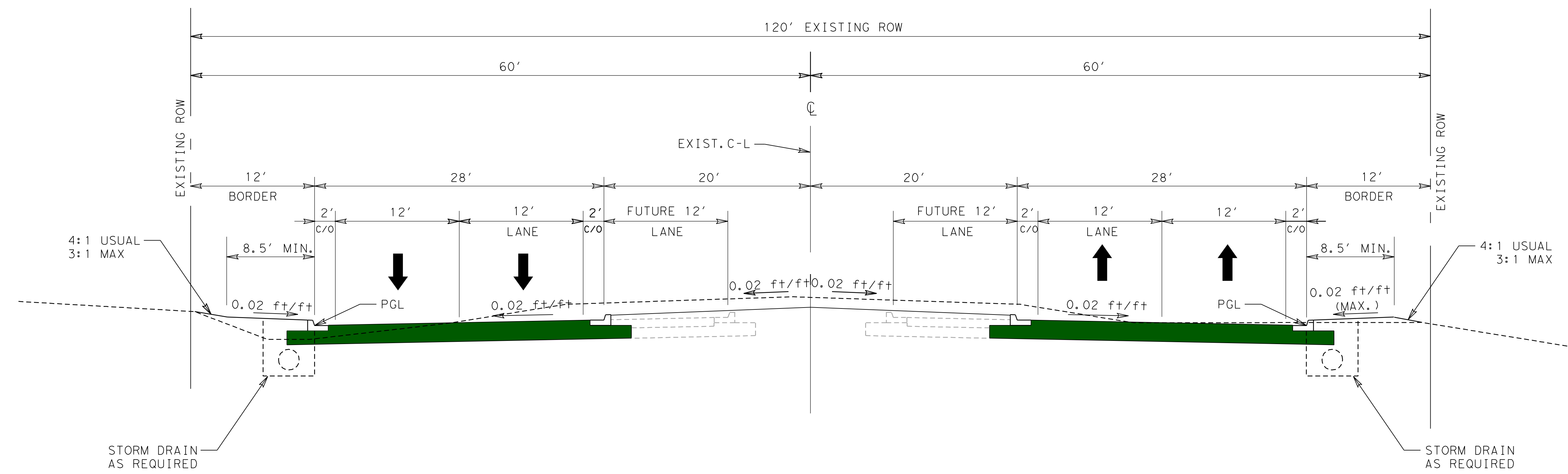
## 4 LANE RURAL

- 48' MEDIAN
- 60' ADDITIONAL ROW
- FROM OUTER LOOP TO EASTLINE ROAD
- 70 MPH

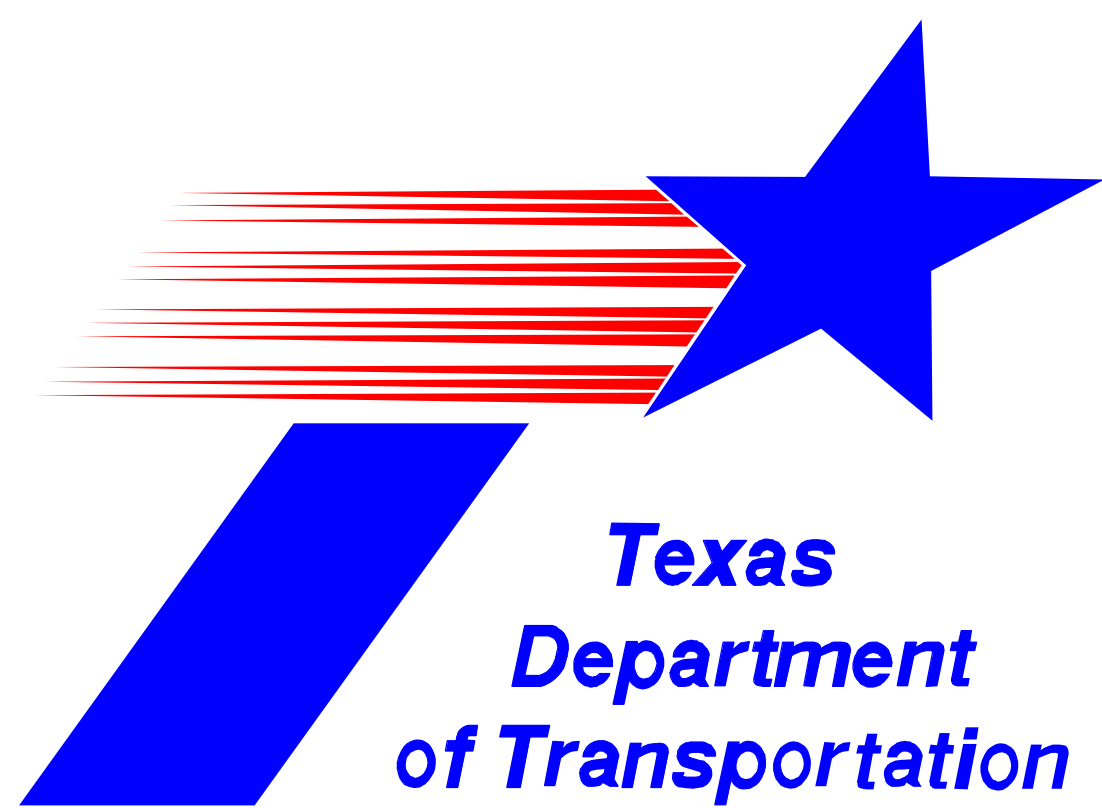
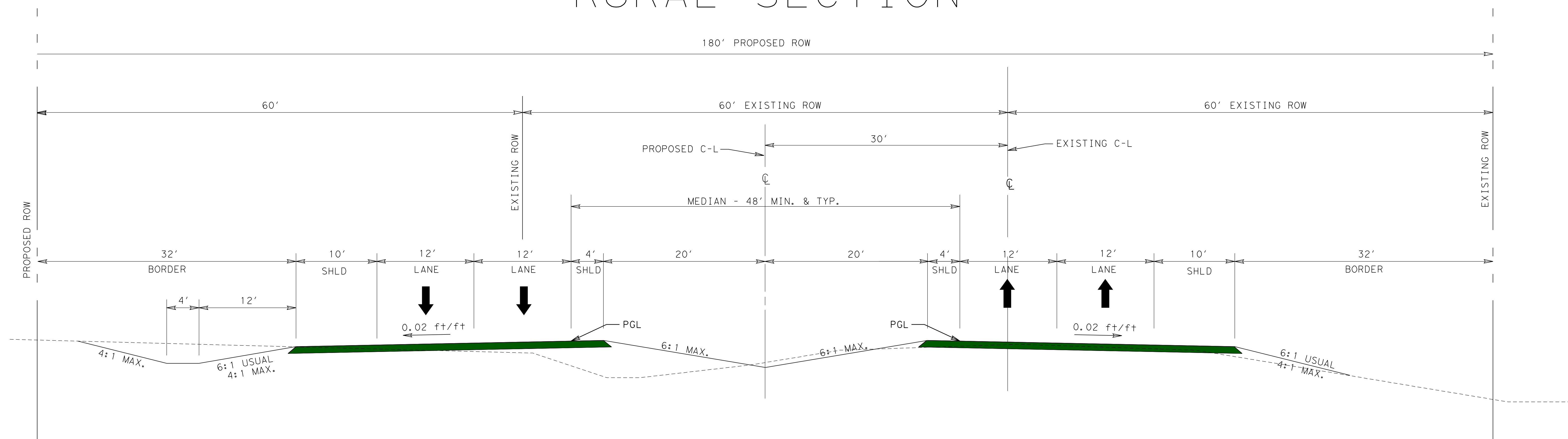
## EXISTING SECTION



## URBAN SECTION



## RURAL SECTION



# When will construction Begin?

- Funding is not committed to the project
- County and State are working toward Funding Agreement
- Meanwhile TxDOT is Working to Obtain:
  - Public Support
  - Preferred Design
  - Environmental Clearance



# When will you buy my property?

ROW purchase requires 4 items before  
TxDOT begins:

- Funding
- Public Hearing
- Environmental Assessment
- Schematic Design

TxDOT is At Least **1 year** Away from  
Completing tasks.

# Schedule

- Public Meeting – Tonight
- Schematic Design – 4 Months
- Environmental Document – 5 Months
- Public Hearing – 7 Months
- Environmental Clearance – 9 Months

APPENDIX C  
WRITTEN COMMENTS

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

Marianne Hagen

Phone:

972 924 4455

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

10515 Highway 121, Anna 75409

Comments

The planned road will take 60' off the front of my property, which is 3 lots of 1 acre, with my house on the centre lot. Currently I am permitted to build 2 houses on each acre lot. This plan will remove that option, will make the 2 1-acre lots worthless as they won't be large enough for septic tanks. I will lose all the trees ~~along~~ the front that take so long to grow. My privacy will be severely diminished, noise will be up. Even planning this means selling now + getting its value will be impossible.

Please drop comments in the Comment Drop Box, or mail them to

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

I will be  
unable to get  
my mortgage  
charged, in fact mortgage  
probably veto it.

Noise will be a  
problem

company will  
I am counsel  
people in my house + this  
plan may severely



impact my ability to do so in safety  
+ privacy.

I bought the property because  
it was well back from the roads.  
It also will put my cat in danger.  
At this moment, any plans I have  
had to do anything on the  
property are on hold as I don't  
know what you will end up  
doing. The garage at front is now on hold too.  
Maybe I should try to get it  
zoned commercial & just move.  
Across the road is just fields - +  
cows are there about once every 2  
months - 60' off that does not  
wreck the trees. Trees in North  
Dallas are precious.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

Wanda Hamilton

Phone: 972-924-2419

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

12223 State Hwy 121 N.

Anna, TX 75409

Comments

This project appears to take about 150,000 sq ft  
of frontage from my property. It also will  
take ~200 young pecan trees, 400+ young  
cedar trees, and an irrigation system on each  
of these pecan trees which are just beginning  
to bear. I also have ~2500' of pipe fence  
fronting on this property and a gate & opener and  
a landscaped entrance which would be taken  
in a 60' widening on the north side of 121. It  
would appear more logical to take the (over)

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

needed 60' on the south side in this area of 121 and then go to the north side at the area where 424 intersects 121. This would miss the Circle V on the south side and miss several homes on 121 on the north side. There are no houses or ~~in~~ major improvements on the south side of 121 from the proposed urban 4 lane until you get to the <sup>CR</sup> 424 intersection & 121, Then Circle V is on the south side.

I request that someone contact me and take a closer look at this situation.



## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

Richard McComack Jr

Phone: 972 838 2128

Elected Position (if applicable)

Mailing Address & email

Comments

NO CURBS ON MEDIAN

~~CURB~~

CURB = Death

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.



**PUBLIC INPUT**

**Comment Form**

**Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)**

**May 15, 2007**

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

**Name:**

Ellen Hartley

**Phone:**

972-837-2826

**Elected Position (if applicable)**

**Mailing Address & email**

P.O. Box 324

Melissa, TX 75454

**Comments**

CR 420 is Now ~~CR 1270~~ CR 1270

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

# PUBLIC INPUT

## Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: JOHNNY TURNER Phone: 903-482-6381

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email 75409 8505 CR 528 ANNA TX. OR 1425 SAN CARLOS DR. 75495

Comments

NOT TO INTERFERE WITH PROPERTY  
TO PAY FULL VALUE OF PROPERTY  
PUT BACK NEW FENCE & ALL TREES  
AND NOT TO EFFECT A GOOD WELL  
AND OR BUY THE HOLE PROPERTY & HOUSE  
FOR ASKING PRICE & OR NOT TO USE  
MY SIDE OF THE PROPERTY

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Cynda Felini Phone: 469-667-6696

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

PO Box 638; Westminster, TX 75485  
writerprincess@yahoo.com

#### Comments

Please do NOT make 121 a toll road.  
The people in our area cannot  
afford tolls. The commute is already  
too expensive. With the rise in gas,  
an added expense of tolls will  
create a great hardship for  
too many.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: JACK R. WESTON Phone: (214) 585-3613

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

15155 STATE HWY 160  
BLUE RIDGE, TX 75424

### Comments

PLEASE PROVIDE FINAL GRADES AND ELEVATIONS AT THE INTERSECTION  
OF STATE HWY 121 AND STATE HWY 160. ALSO, PROVIDE DRAINAGE  
DETAIL IN THE AREA OF THIS INTERSECTION.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.



## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: CHARLES M. BRAZEAL Phone: (214) 544-3596

Elected Position (if applicable) N/A

Mailing Address & email

2705 CREEK CROSSING DR  
MCKINNEY TX 75070-4718  
ZEALLP@aol.com

#### Comments

WOULD LIKE TO KNOW IF IT IS POSSIBLE TO BUY A COPY  
OF THE COLLIN COUNTY GIS. MAP DATED 2002  
COLLIN COUNTY THOUROFARE (INFORMATION SERVICES) DISPLAYED  
ON EASEL AT MEETING

P.S. ALL PEOPLE EXPLAINING RIGHT OF WAY QUESTIONS WERE COURTEOUS  
AND VERY CAPABLE — WELL DONE!

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Vicki McCormack Phone: 972-838-2128

Elected Position (if applicable) \_\_\_\_\_

#### Mailing Address & email

2438 State Hwy 121  
Melissa TX 75454  
VMccormack@msn.com

#### Comments

What number of deaths occurred in the ~~prior~~ years prior to the turn lane being put in. When do you wish to do away with the turn lanes in between the lights? There are allot of vehicles that utilize it for safer turning ~~and~~ without slowing up the traffic.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: DAVID COX Phone: 972 562 8003

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

PO Box 977  
McKinney TX 75070  
dcx@carleycoxcompany.com

Comments

please email me the project information  
map.  
THANKS!

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Tim Hughes Phone: 972 404.8382

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email 16000 Darius Pkwy Ste 225 Dls 75248  
thughes@falconcompanies.com

#### Comments

We really need those printed materials -  
Happy to pay for them, we own 50 AC  
Commercial on corner of 121 & PM 545 (Liberty)  
purchased from Hillwood ~~IS~~ please advise, TX

Please drop comments in the Comment Drop Box, or mail them to:  
Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.



## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Gary Russell Phone: 214 882 7660

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

5380 Creekside  
Melissa TX 75454

#### Comments

Creekside is not currently part of Melissa (UnAnnexed) The creek in recent years has become more active & swift during storms. Your Road Way will greatly increase run off. Please study to see if federal flood planes will rise for 100yr floods, also check to make sure erosive forces under & down stream are controlled. If those erosive forces will shift Flood Planes Please Inform US!

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

Last Sentence! Look

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Marianne Hage Phone: \_\_\_\_\_

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email 10515 Highway 121  
\_\_\_\_\_

#### Comments

My 2nd page. There is  
an on ramp which will make  
my privacy + ~~the~~ counselling  
situation worse. And takes more  
property as far as I can see.  
It seems I will lose 1/6 of

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107

Attention: Joseph Atwood, P.E.

the property approx.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

Buckley, Buckley

Phone:

972 924-2611

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

13730 CR 577

Anna, TX 75409

#### Comments

widening needs to start soon than 2012.  
also at 581 where our property is located  
County is widening & paving road the state  
part of what road is so narrow & a hazard  
we can't make turn if car coming to  
stop sign with too large trucks  
& trucks your access road is so narrow

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

**PUBLIC INPUT**

**Comment Form**

**Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)**

**May 15, 2007**

**First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454**

**Name:** Albert Womack **Phone:** 972 924 2214

**Elected Position (if applicable)** \_\_\_\_\_

**Mailing Address & email**  
11247 CR 507  
Acwa TX 75409

**Comments**

why does the Road have to  
be 450 ft. wide

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.



## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Diane Miller Phone: 972 838-2388

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email PoBox 126 Melissa Tx 75454  
ParristHill@att.net

#### Comments

Re: Property @ 121 / Hwy 5 / Fannin Rd : Please Protect:  
① Small well @ <sup>1305 McKinney St</sup> 121 / Fannin (NW corner)  
near Benavente store sign @ 1305 McKinney St.  
② Deep (Woodbine) Well @ house just north  
of the Benavente store  
③ Stock pond behind <sup>1309 McKinney St</sup> house on McK St.  
Pro: light @ 121 / Fannin + 121 / 5  
Pro: improved corner @ 1305 McK St. site  
Anti: Toll Rd

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Tim Hughes Phone: 972.404.8382

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

16000 DALLAS Pkwy STE 225 DALLAS 75248  
thughes@falconcompanies.com

Comments

GLAD YOU'RE MOVING FORWARD AGGRESSIVELY —  
→ I am partner of Melissa Liberty I-II; we own 50ac from FM 545 to Liberty Dr on north side of 121. CURRENTLY WASHINGTON DR IS PROPOSED TO SPLIT OUR TR INTO 2 PARCELS & TURN INTO 121; IT IS IMPERATIVE YOU ADDRESS TRAFFIC ACCESS OFF 121 ONTO WASHINGTON FROM BOTH DIRECTIONS. WE WILL BE SEVERELY IMPACTED BY ONLY ACCESSING OUR DRV. FROM S45 OR LIBERTY OR R/W ROUTING ONLY FROM WB 121; WE ARE PLANNING RETAIL/COMMERCIAL PROJECT & DELIVERY TRUCKS WILL ALSO BE AN ISSUE

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

NAVIGATING THE SITE; PLEASE COME TO REVIEW OUR PCPNS W MORE DETAIL THANK YOU! GLAD TO HELP.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Martha Jo Soule Phone: 972-924-2411

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

PO Box 1263, Anna, TX 75409  
mjsoule@dfwair.net

Comments Strongly oppose the 455 interchange!  
The feeder roads are too far out - Too much  
land is eaten up at the 455-121 inter  
section - bridge - feeder roads -

The two sections of 455 need to be  
re-joined together.

Cheaper - (bridge cost) - is not the best way  
always.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Mary Valverde Phone: 972.924.2202

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

12546 S. H. 121 N.  
Anna, TX 75409

#### Comments

It appears that our restaurant, The Circle V,  
will basically be unaffected by the widening  
of S.H. 121; however, it is imperative that we  
have a cross-over or turn lane(s) to provide  
access to our restaurant. We discussed this  
with Mayor Kenneth Pelham, who mentioned  
a median cut to provide this access.  
Anything less would mean certain failure  
for our family business.  
Thank you for your consideration.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.



## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

ALLEN KNIGHT (NORTH COLLIN) (WATER SUPPLY) OFF. 972-837-2531  
CELL 214-212-9308

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

P.O. Box 343 MELISSA, TX 75454  
AKNIGHT@NORTHCOLLINWSC.COM

### Comments

My MAIN CONCERN IS THE CORNER CLIP ON THE NORTHWEST CORNER OF THE INTERSECTION OF HWY 121 & BERRY RD. THE PROPOSED ROW WILL TAKE MOST OF MY DRIVEWAY FOR EMPLOYEE & CUSTOMER PARKING. A 12" WATER MAIN WILL HAVE TO BE RE-LOCATED AT ~~THE~~ THE INTERSECTIONS, I WILL HAVE WATER LINES AFFECTED. ALL FOUR CORNERS OF HWY 121 & BERRY RD I HAVE LINES & VALVES & METERS. SOME OF THE WATER LINES ON THE DRAWINGS ARE NOT CORRECT. I WILL BE GLAD TO GO OVER THEM WITH SOMEONE

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

#### Improvements to SH 121 From SH 5 to Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Gregg Farlow Phone: 214-773-4133

Elected Position (if applicable) N/A

#### Mailing Address & email

2611 Katie Trail  
Melissa, TX 75454 email: gafarlow@yahoo.com

#### Comments

Please consider the planting of many trees upon  
completion of the project. Not only would  
it be good for the environment, it is also  
eye pleasing (pretty). Thank you!

Please seriously consider this request  
if not already approved.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

STEVE SOULE

Phone:

972-924-2411

Elected Position (if applicable)

Mailing Address & email

P.O. Box 1263

ANNA, TX, 75409

Comments

*Enter section at 121 and 455 is 200' too wide.  
\*\* Do not use loops!! USE standard on &  
off ramps. This will be less costly to STATE  
and surface owner will be happier*

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

Baughman

Phone:

214 676 3025

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

7586 E FM 455

Anna, TX 75409

Comments

Why would you curb anything?  
It will all change before you can  
even begin to maintain it.

The intersection at 455/121/475 seems  
to expansive. Most of the spaces are  
too large. The intersection could  
be lined up better with 455 & 475.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.



## PUBLIC INPUT

### Comment Form

**Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)**

**May 15, 2007**

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Jerry Conklin Phone: 214-801-1393

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

16 Brookhollow  
\_\_\_\_\_

#### Comments

Barry Rd. Intersection -  
Your easment on the east side seem excessive.  
It is taking up Kims Corner & the sanc.  
AT Kims there is plenty of space & there is  
gas tanks underground & it ~~no~~ looks very  
Like you are taking too much real estate.  
Kims has been here for a long time and is  
a fixture here. I think you need to take this  
into consideration.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Kurt Zimmerman Phone: 972.423.8786

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

Kurt.zimmermann@verizon.net

#### Comments

I hope you will establish a project  
web site where project updates are posted.

It would also be nice if rural property  
owners were given the opportunity for  
left turn access into their to pay for  
property.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

Debra Lee Molaison Darnell  
Phone: 972 548-4040  
972 658-4461  
972 658-6108

Elected Position (if applicable)

Mailing Address & email

15837 St-Hwy 121 N  
Blue Ridge TX 75424

#### Comments

Median would be better served  
with turning lanes for access  
to properties within the area.

Concrete, Not asphalt.

Not grass

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Rick DeVito Phone: \_\_\_\_\_

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email  
\_\_\_\_\_  
\_\_\_\_\_

#### Comments

NO CURBS ON ROAD  
DANGEROUS FOR FLIP  
OVERS. IN ACCIDENT.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.



## PUBLIC INPUT

### Comment Form

#### Improvements to SH 121 From SH 5 to Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Alan Walters Phone: 972-924-2445

Elected Position (if applicable) Anna School Board

Mailing Address & email  
11248 CR 507  
Anna TX 75409

#### Comments

We are concerned about the area 455 North to county road  
507. We understand the need for feeder roads due to  
the dangerous intersection of 455 + 121, but why do  
you need the additional area between the new  
Highway and the feeder roads? It seems you  
could tighten up the rightaway and still address the  
safety issues. How will you handle the  
intersection of CR 507 and 121? Will it be a  
red light, stop sign, or what?

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

*Saunders Guffin*

Phone:

*972924-3749*

Elected Position (if applicable)

Mailing Address & email

*W H G Enterprises*

*5864 E FM 455*

Comments

*Ama, TX 75409*

*455 + 121 needs to be  
re drawn. Intersection is  
too large too wide too complex.*

*Need to be redesigned to  
reconnect both 455's*

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Keith Simpson Phone: 972-924-2597

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email  
11465 Wild Rose Lane, Anna, TX  
Keith@KSimpson.org

#### Comments

Concerned About noise levels At Fm 455  
As 121 crosses Sister Grove Creek. ~~At~~  
Even today, noise from 121 can be  
heard in Wild Rose Farms. More  
lanes with more traffic will only  
generate more noise. Some sort  
of wall may be needed there.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

## PUBLIC INPUT

### Comment Form

#### Improvements to SH 121 From SH 5 to Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Kelly Simpson Phone: 972-924-2597

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

11465 Wild Rose Ln Anna TX 75409

#### Comments

Use a road surface material that is less noisy  
than the current "new & improved" surface that  
was used most recently (the old surface was  
much quieter)

Intersection at 455 + 121 is much too elaborate  
This is not a major intersection. The current design  
uses too much land. The higher road elevation  
will mean more noise as well

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

There needs to be more coordination between these  
major projects (e.g., outer loop). I don't care if they're  
being managed by different people; they need to work  
together ultimately



## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name:

Diane Miller

Phone:

972.838.2388

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

PO Box 126, Melissa Tx 75454

Parris Hill@att.net

#### Comments

Re: 121/McDonald St/ Hwy 5 split @ Fannin Rd <sup>1305 McKinney St</sup>

Pro: Leaving cross over in front of The Beverage Store  
in addition to light @ Fannin Rd X Hwy 5 south

Anti: light @ new intersection where Aardvark  
make ~~the~~ stop to turn left onto Hwy 5  
+ on bound side as well.

Note: small well @ back of house @ 1309 McKinney St  
(in addition to 2 other wells noted on another  
comment form) - Noted on maps

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.

1320 So. University Drive, Suite 450

Fort Worth Texas 76107

Attention: Joseph Atwood, P.E.

This cross over is  
extremely helpful  
moving farm machinery  
across  <sup>Hwy 5</sup> to 121

## PUBLIC INPUT

### Comment Form

Improvements to SH 121  
From SH 5 to  
Fannin County Line (Eastline Road)

May 15, 2007

First Melissa Baptist Church  
2600 SH 121, Melissa, Texas 75454

Name: Kevin Slaughter Phone: (205) 969-2065

Elected Position (if applicable) \_\_\_\_\_

Mailing Address & email

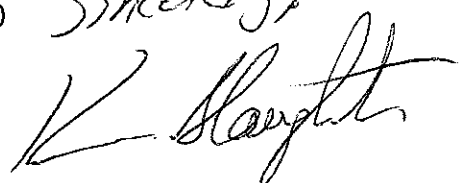
2837 Acton Place  
Birmingham, AL 35243

#### Comments

I own Kim's Korner at the corner of 121 & Berry Rd. We are a single store family operation that has been in Melissa since 1983. The proposed right-of-way for the right turn lane at that intersection will take both of my high-rise signs, my underground fuel tanks, my diesel island, part of our regular gas island/canopy, and all of our vacuum at our carwash. Obviously, this would be devastating to our business and could put us out of business. I would appreciate someone calling me to discuss options & possible solutions. Thank you for your time & help.

Please drop comments in the Comment Drop Box, or mail them to:

Lockwood, Andrews & Newnam, Inc.  
1320 So. University Drive, Suite 450  
Fort Worth Texas 76107  
Attention: Joseph Atwood, P.E.

Sincerely,  


## **Appendix G**

### **County Historical Commission Letter**



# Texas Department of Transportation

P.O. BOX 133067 • DALLAS, TEXAS 75313-3067 • (214) 320-6100  
January 27, 2009

Eric Nishimoto  
Collin County Historical Commission  
210 S. McDonald St, Suite 626  
McKinney, TX 75069

RE: Three bridge replacements at Sister Grove Creek, Pilot Grove Creek and Desert Grove Creek associated with proposed State Highway 121 roadway project from Melissa to the Fannin C/L, Collin County, Texas (CSJ: 0549-03-018).

Dear Mr. Nishimoto;

The Texas Department of Transportation (TxDOT) has authorized a project that may result in effects to three bridges; the first on Sister Grove Creek located on SH 121 approximately  $\frac{1}{4}$  mile north of the intersection of SH 121 and FM 455. The second is the Pilot Grove Creek Bridge approximately  $\frac{1}{2}$  mile north of the intersection of SH 121 and CR526/CR527. The third is the Desert Grove Creek bridge  $\frac{1}{4}$  mile north of the intersection of SH 121 and SH 160/SH 78. Project location maps and photos of each bridge are attached.

The referenced bridges were built in 1962. These bridges were included in the State Historic Bridge Inventory (Sister Grove Creek Bridge #18-043-0-0549-03-021, photo 1; Pilot Grove Creek Bridge #18-043-0-0549-03-020, photos 2, 3; Desert Grove Creek Bridge #18-043-0-0549-03-019, photo 4), a statewide study of historic bridges that TxDOT conducted in cooperation with the Texas Historical Commission. Because the bridges did not meet the criteria for statewide significance, they have been determined as not eligible for listing in the National Register of Historic Places.

While the bridges do not have known state significance, we do recognize that they may have other local/regional historical associations. If you feel that the bridges are significant at a local or regional level, please provide us with written information concerning the history of the bridges and their role in your community's history. We request that you send us your response no later than February 27, 2009.

If you feel that the bridges do not have any local/regional significance, then please endorse this letter and return it to us by February 27, 2009. This endorsement will signify your concurrence that the bridges are not historically significant. Typically, if we do not receive a response within 30 days, we assume concurrence with the findings of the State Historic Bridge Inventory; however, for this project TxDOT requests that you submit this letter via mail or fax (214-320-4470) if you concur with the findings of the State Historic Bridge Inventory.

Please feel free to call our environmental consultant, Greg Wood of Lockwood Andrews and Newman, Inc., at (210) 499-5082 if you have any questions or need additional information.

Sincerely,

District Advance Project  
Development Engineer

Attachments

Endorsement to the Texas Department of Transportation

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County Historical Commission Chairperson

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Date



## **Appendix H**

### **Texas Parks & Wildlife Coordination Letters**



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Commissioners

Peter M. Holt  
Chairman  
San Antonio

T. Dan Friedkin  
Vice-Chairman  
Houston

Mark E. Bivins  
Amarillo

J. Robert Brown  
El Paso

Ralph H. Duggins  
Fort Worth

Antonio Falcon, M.D.  
Rio Grande City

Karen J. Hixon  
San Antonio

Margaret Martin  
Boerne

John D. Parker  
Lufkin

Lee M. Bass  
Chairman-Emeritus  
Fort Worth

Carter P. Smith  
Executive Director

February 11, 2011

Stirling J. Robertson, Ph. D.  
Biological Resources Branch  
Environmental Affairs Division  
Texas Department of Transportation  
125 E. 11<sup>th</sup> Street  
Austin, TX 78701-2483

RE: Proposed Widening SH 121: From SH 5 to East of FM 455, Collin County  
(CSJ 0549-03-018 and 0549-03-021)

Dear Dr. Robertson:

The Texas Parks and Wildlife Department (TPWD) has reviewed the Environmental Assessment (EA) for the proposed project referenced above.

Please be aware that a written response to a TPWD recommendation or informational comment received by a state governmental agency on or after September 1, 2009 may be required by state law. For further guidance, see the Texas Parks and Wildlife Code, Section 12.0011, which can be found online at <http://www.statutes.legis.state.tx.us/Docs/PW/htm/PW.12.htm#12.0011>. Please refer to TPWD project number 6270 in any return correspondence regarding this project.

### Project Description

The project is 14.3 miles in length and involves reconstruction and widening of the existing undivided 2-lane facility to a divided 4-lane facility. The existing facility includes variable pavement widths of 58 feet to 44 feet wide and is within a typical 120-foot right-of-way (ROW) which extends up to 270 feet wide at intersections. The proposed facility would contain a 40-foot wide grassed median, no shoulders in the urban section, and 10-foot outside and 4-foot inside shoulders in the rural section. The proposed typical ROW would be 120 feet for the urban section except at bridges and intersections, and the proposed typical ROW would vary from 180 feet to 210 feet wide in the rural section, except where the ROW would expand up to 480 feet wide at intersections. Six existing bridges would be replaced and 6 proposed bridges would be constructed in parallel to accommodate additional lanes. The project would require approximately 158 acres of additional right-of-way (ROW).

\_\_\_\_.SCANNED \_\_\_\_\_.ETS

**Invasive Species – Zebra Mussels (*Dreissena polymorpha*)**

The zebra mussel, a highly invasive aquatic species, has been found in Sister Grove Creek of the Trinity River Basin. Efforts are underway to try to eradicate and prevent further spread to other areas of the Trinity River Basin. The project would include bridge construction at Sister Grove Creek as well as construction at tributaries of Sister Grove Creek and other streams within the Trinity River Basin totaling 16 crossings. Because the project occurs at Sister Grove Creek there is potential for construction equipment and/or temporary fills to become contaminated.

The zebra mussel larval and post-larval forms are known to spread to other waters, as they can survive several days out of water before being carried to other waters. Post-larval zebra mussels attach to hard surfaces, such as boats. The larvae, called veligers, are microscopic and are visually undetectable, thus they are unknowingly carried to other waters via live wells, bait buckets, scuba equipment, and anything that carries small amounts of water.

**Request:** TPWD requests that the Texas Department of Transportation (TxDOT) implement special Best Management Practices (BMPs) for this project to prevent unintentional spread of zebra mussels to other waters. Inland Fisheries Division biologist, Bruce Hysmith of the Lake Texoma Fisheries Station has provided the following BMPs. He can be reached at 903-786-2389 for additional information or assistance regarding zebra mussels:

- Please contact Bruce prior to project construction to check the status of zebra mussels in Sister Grove Creek. Although post-larval forms may not be visible at the site, undetectable larval forms may be present.
- TxDOT district staff and project construction personnel should be informed of the serious threat of zebra mussel spread to other waters and should be able to identify zebra mussels. Information regarding the zebra mussel can be found on-line at <http://www.invasivespeciesinfo.gov/aquatics/zebramussel.shtml> and [http://fl.biology.usgs.gov/Nonindigenous\\_Species/Zebra\\_mussel\\_FAQs/zebra\\_mussel\\_faqs.html](http://fl.biology.usgs.gov/Nonindigenous_Species/Zebra_mussel_FAQs/zebra_mussel_faqs.html)
- *For fill material that will be reused in another waterway following exposure to waters or substrate of Sister Grove Creek and its tributaries*

If temporary fill material is to be reused in other waters, it should be decontaminated by stockpiling the material in an open flat field and periodically grading it level, exposing it to as much sunlight as possible.

Two weeks of turning this material over, through periodic grading and exposing, should kill any zebra mussel larvae in the fill material.

- *For equipment that comes into contact with water in Sister Grove Creek and its tributaries, and will be sent to another location near a stream/wetland/waterway*

Contaminated equipment should be sprayed clean with 140° F water under pressure followed by spraying with a 10% chlorine solution, followed by a final spray wash of clean water at 140° F and allowed to air dry while in route to another site.

If this equipment is to remain idle at least a week before reuse, then the equipment should be sprayed with clean water, material and standing water should be cleaned from nooks and cranny's on the equipment, and the equipment should be allowed to dry for one week. Be sure to drain any pockets of water. Decontamination treatment does not need to be implemented if the material and/or equipment will be used on a project far removed from a stream, as the zebra mussel larvae will not survive drying and exposure to sunlight.

#### **State Fish and Wildlife Resources**

Special features, natural communities, and rare species that are not listed as threatened or endangered are tracked by TPWD. Although not afforded protection by law, TPWD actively promotes rare species conservation. TPWD considers it important to evaluate and if necessary, minimize impacts to rare species and habitats to reduce the likelihood of endangerment.

The proposed project would impact 328.8 acres of vegetation including 160.4 acres maintained ROW grasses, 119.5 acres mixed native and introduced pasture, 37.2 acres upland woodland, and 11.7 acres riparian habitat.

Although the EA indicates that no native prairie remnants are within or immediately adjacent to the project area, the project is located within a region historically supporting native tallgrass prairie and native grassland species occur within the agricultural pasture cover type of the project area. The condition of such pastures cannot be determined from the data presented. Without field data collected from multi-location sampling surveys, the proportion of the pasture that exhibit native characteristics cannot be fully captured and interpreted. With approximately 119.5 acres of permanent conversion of grassland/pasture to transportation use, the loss of native species and habitat associated with the pastures is of concern. The potential for restoration of degraded habitat within such grasslands would also be lost where there is conversion to transportation use.

Dr. Stirling J. Robertson

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February 11, 2011

Native rangeland that is not subjected to intense grazing can provide suitable habitat for grassland birds and other wildlife. America's grasslands are diminishing due to habitat fragmentation and loss as a result of development, conversion to non-native pastures, and woody encroachment. Where the study area contains native rangeland habitat, there is potential for the site to support local populations of grassland birds, many of which are facing population declines.

The TxDOT-TPWD Memorandum of Understanding (MOU) includes riparian habitat and native prairies as habitat types to be considered for non-regulatory mitigation. For this project, TxDOT has not offered non-regulatory compensatory mitigation for loss to native prairie or riparian habitat.

Recommendation: Because the project would impact 11.7 acres riparian habitat and 119.5 acres mixed native and introduced pasture grasslands, TPWD **strongly recommends** TxDOT reconsider and provide non-regulatory mitigation on an acre-to-acre basis for impact to these resources. A mitigation effort for native grasslands could include planting solely native herbaceous species within the ROW including the grassed median and omitting non-native bermudagrass (*Cynodon dactylon*) and weeping lovegrass (*Eragrostis curvula*) from the seed mix. Bermudagrass (*Cynodon dactylon*) and weeping lovegrass (*Eragrostis curvula*) are not native and exhibit invasive characteristics, as indicated at the TexasNonNatives.org website <http://www.texasnonnatives.org/MENUTexnonnative.htm>. Introduction of non-native species into native landscapes should be prevented. Additional measures for native grassland and riparian habitat mitigation could include in-lieu fee agreements with local communities or non-profit organizations for conservation projects.

If you have any questions, please contact me at (903) 322-5001.

Sincerely,



Karen B. Hardin  
Wildlife Habitat Assessment Program  
Wildlife Division

kbh:6270





# **Texas Department of Transportation**

P.O. BOX 133067 • DALLAS, TEXAS 75313-3067 • (214) 320-6100

April 11, 2011

CSJ: 0549-03-018 & 0549-03-021  
SH 121: From SH 5 to CR 635  
Collin County

Ms. Karen B. Hardin  
Texas Parks and Wildlife Department  
Wildlife Habitat Assessment Program - Wildlife Division  
4200 Smith School Road  
Austin, Texas 78744-3291

Dear Ms. Hardin:

I am providing response to your comments submitted on February 11, 2011 for the above referenced project. Listed below are TPWD's comments and TxDOT's responses.

**TPWD Request:** TPWD requests that the Texas Department of Transportation (TxDOT) implement special Best Management Practices (BMPs) for this project to prevent unintentional spread of zebra mussels to other waters. Inland Fisheries Division biologist, Bruce Hysmith of the Lake Texoma Fisheries Station has provided the following BMPs. He can be reached at 903-786-2389 for additional information or assistance regarding zebra mussels:

- Please contact Bruce prior to project construction to check the status of zebra mussels in Sister Grove Creek. Although post-larval forms may not be visible at the site, undetectable larval forms may be present.
- TxDOT district staff and project construction personnel should be informed of the serious threat of zebra mussel spread to other waters and should be able to identify zebra mussels. Information regarding the zebra mussel can be found on-line at <http://www.invasivespeciesinfo.gov/aquatics/zebramussel.shtml> and [http://fl.biology.usgs.gov/Nonindigenous Species/Zebra mussel FAQs/zebra mussel faqs.html](http://fl.biology.usgs.gov/Nonindigenous_Species/Zebra_mussel_FAQs/zebra_mussel_faqs.html)
- *For fill material that will be reused in another waterway following exposure to waters or substrate of Sister Grove Creek and its tributaries*

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If the temporary fill material is to be reused in other waters, it should be decontaminated by stockpiling the material in an open flat field and periodically grading it level, exposing it to as much sunlight as possible. Two weeks of turning this material over, through periodic grading and exposing, should kill any zebra mussel larvae in the fill material.

- *For equipment that comes into contact with water in Sister Grove Creek and its tributaries, and will be sent to another project near a stream/wetland/waterway*

Contaminated equipment should be sprayed clean with 140 F water under pressure followed by spraying with a 1000 chlorine solution, followed by a final spray wash of clean water at 140 F and allowed to air dry while in route to another job site.

If this equipment is to remain idle at least a week before reuse, then the equipment should be sprayed with clean water, material and standing water should be cleaned from nooks and cranny's on the equipment, and the equipment should be allowed to dry for one week. Be sure to drain any pockets of water. Decontamination treatment does not need to be implemented if the material and/or equipment will be used on some road project far removed from a stream, as the zebra mussel larvae will not survive drying and exposure to sunlight.

**TxDOT Response:** No mollusks of any species were identified in Sister Grove Creek during field surveys. TxDOT will only perform necessary work within the waters of Sister Grove Creek during the construction of this project. TPWD's request for TxDOT to implement the above mentioned special Best Management Practices (BMPs) for this project to prevent unintentional spread of zebra mussels to other waters will be incorporated into the final design plans. The contractor will be notified (via the EPIC sheet and pre-construction meeting) of the potential to unintentionally spread the zebra mussel larval to other waters.

**TPWD Request:** Because the project would impact 11.7 acres of riparian habitat and 119.5 acres mixed native and introduced pasture grasslands, TPWD **strongly recommends** TxDOT reconsider and provide non-regulatory mitigation on an acre-to-acre basis for impact to these resources. A mitigation effort for native grasslands could include planting solely native herbaceous species within the ROW including the grassed median and omitting non-native bermudagrass (*Cynodon dactylon*) and weeping lovegrass (*Eragrostis curvula*) from seed mix. Bermudagrass (*Cynodon dactylon*) and weeping lovegrass (*Eragrostis curvula*) are not native and exhibit invasive characteristics, as indicated at the TexasNonNatives.org website <http://www.texasnonnatives.org/MENUTexnonnative.htm>. Introduction of non-native species into native landscapes should be prevented. Additional measures for native grassland and riparian habitat mitigation could include in-lieu fee agreements with local communities or non-profit organizations for conservation projects.

**TxDOT Response:** TxDOT's seed mixtures utilized in non-regulatory mitigation areas contain both native grasses species and introduced species. The seed mixes are derived from diverse criteria which includes The Natural Resources Conservation Service's "critical area" seeding list, erosion control capability, mature height and commercial availability. These seed mixtures tend to hold up better on lightly maintained land than a monoculture containing only one or two species. The overall appearance of the ROW improves with an array of native and introduced species. The native grasses offer roadside aesthetics and work well to stabilize the soil, while the introduced species offer great protection from sediment movement caused by storm water runoff. Avoidance and minimization efforts were employed during the proposed project's development. The Dallas District does not propose to provide non-regulatory mitigation on an acre-to-acre basis nor in-lieu fee agreements.

If you have any questions regarding this project please contact Robert Hall, TxDOT Dallas District at 214-320-6157 or [Robert.Hall@txdot.gov](mailto:Robert.Hall@txdot.gov).

Sincerely,



H. Stan Hall, P.E.  
District Advance Project  
Development Engineer