



# City of Weatherford

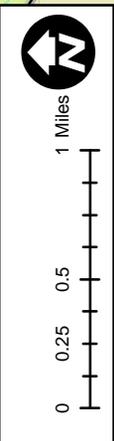
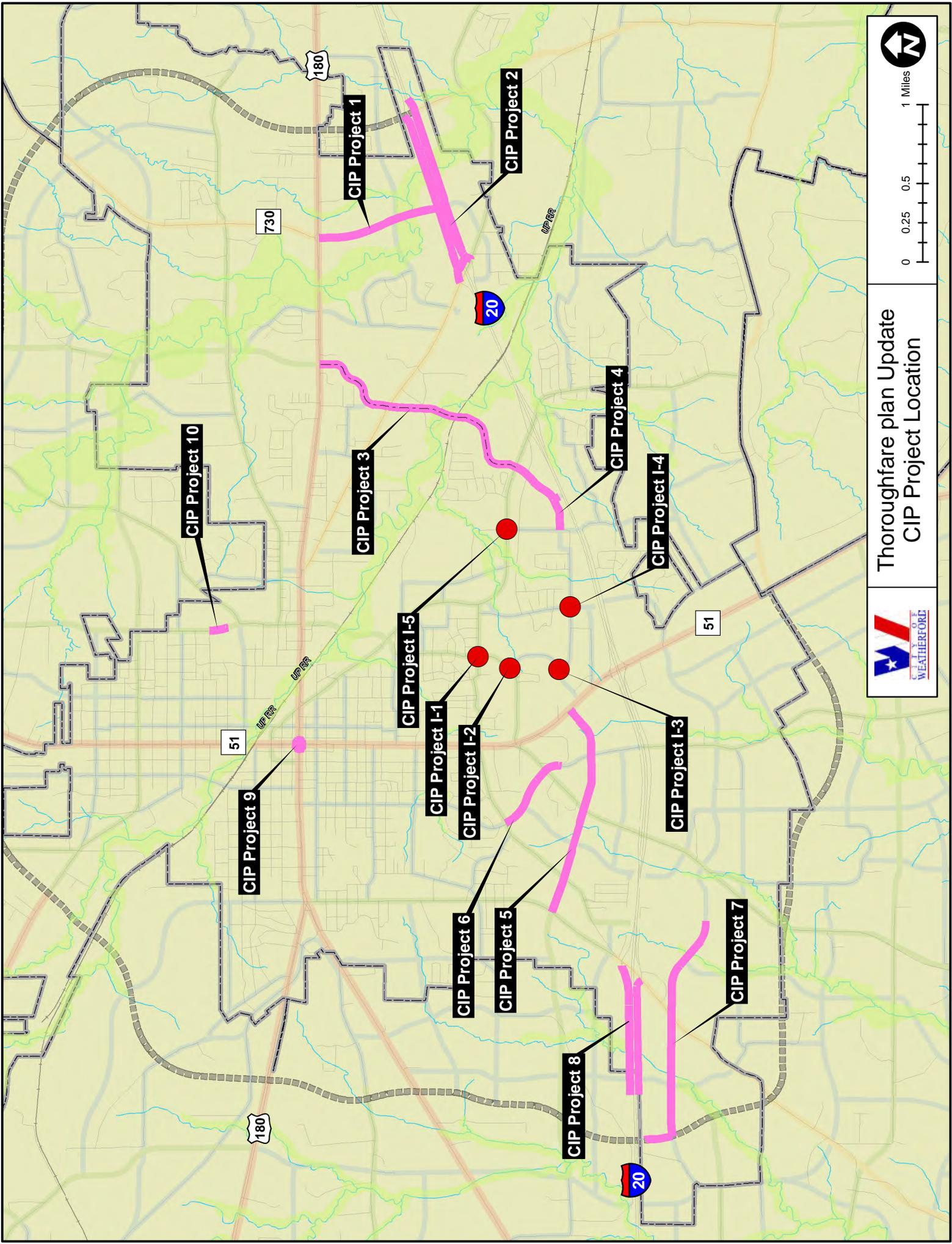
## Transportation Capital Improvement Program



Freese and Nichols, Inc.  
March 2013

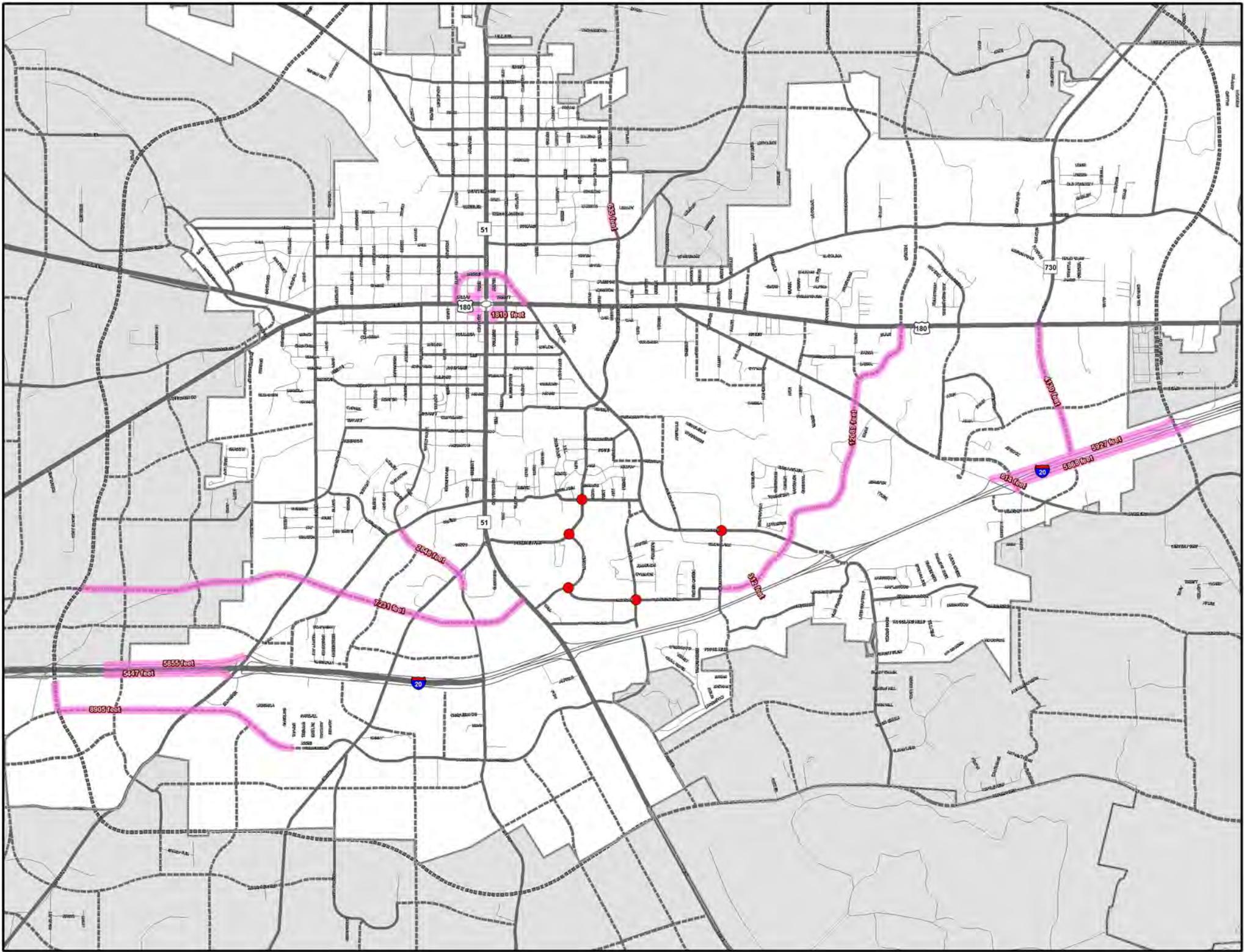
# Table of Contents

- I. Preliminary CIP Project Map
- II. Project Cost Summary
- III. Projects ([Exhibit](#), [Fact Sheet](#), [Detailed Cost Est.](#))
  - A. Willow Creek Avenue
  - B. EB IH-20 Frontage Road (East)
  - C. WB IH-20 Frontage Road (East)
  - D. Washington Drive Extension (Phase I)
  - E. Washington Drive Extension (Phase II)
  - F. W. Martin Street
  - G. Tin Top Road Extension
  - H. BB Fielder Road Extension
  - I. Western Loop (RWMH) Extension
  - J. EB IH-20 Frontage Road (West)
  - K. WB IH-20 Frontage Road (West)
  - L. Downtown Improvements
  - M. Tremont Street
  - N. Intersection No. 1 (Park Ave. @ Foster Lane)
  - O. Intersection No. 2 (College Park Dr. @ Martin Dr.)
  - P. Intersection No. 3 (Martin Dr. @ Red Oak Lane)
  - Q. Intersection No. 4 (Texas Dr. @ Red Oak Lane)
  - R. Intersection No. 5 (Holland Lake Drive @ Santa Fe Dr.)



# Thoroughfare plan Update CIP Project Location







**CITY OF WEATHERFORD  
CAPITAL IMPROVEMENT PROGRAM (2013 - 2023)  
SUMMARY OF PROJECT COST**

PROJECT NO.	ROADWAY	CLASSIFICATION	FROM	TO	PROJECT LENGTH	PROJECT TIMING	(Based on 2013) PROJECT COST	(Based on 2013) COST PER LF	4.5% *ESCALATION
1	Willow Creek Ave	Type "A" Major Arterial	US 180	I-20	4320	10	\$10,444,000.00	\$2,420.00	\$13,020,000.00
2a	EB Frontage I-20	Frontage Road	Centerpoint Dr	Bankhead Hwy	5100	10	\$9,264,800.00	\$1,820.00	\$11,550,000.00
2b	WB Frontage I-20	Frontage Road Part 1	Centerpoint Dr	Part 2	2500	10	\$6,967,600.00	\$2,790.00	\$8,690,000.00
2c	WB Frontage I-20	Frontage Road Part 2	Part 1	Bankhead Hwy	3000	10	\$7,504,400.00	\$2,510.00	\$9,360,000.00
3	Washington - Phase I	Type "C" Major Collector	Holland Lake	Santa Fe Dr.	3100	10	\$2,743,000.00	\$890.00	\$3,420,000.00
4	Washington - Phase II	Type "B" Minor Arterial	US180	Santa Fe Dr.	8420	10	\$12,668,000.00	\$1,510.00	\$15,790,000.00
5a	W. Martin - Phase I	Type "B" Minor Arterial	Main St	S. Bowie Dr	7200	20	\$8,195,000.00	\$1,140.00	\$15,860,000.00
5b	W. Martin - Phase II	Type "B" Minor Arterial	S. Bowie Dr	RWMH	6800	20	\$6,300,000.00	\$930.00	\$12,200,000.00
6	Tin Top	Type "C" Major Collector	Bethel Rd	S. Lamar Street	2800	10	\$2,934,000.00	\$1,050.00	\$3,660,000.00
7a	B.B. Fielder	Type "C" Major Collector	End	Western Loop	7800	10	\$6,650,000.00	\$860.00	\$8,290,000.00
7b	Western Loop Extension	Type "A" Major Arterial	B.B. Fielder	Existing RWMH	1000	10	\$1,070,000.00	\$1,070.00	\$1,340,000.00
8a	EB Frontage I-20	Frontage Road	S. Bowie Dr	RWMH	4100	20	\$3,960,000.00	\$970.00	\$7,670,000.00
8b	WB Frontage I-20	Frontage Road	S. Bowie Dr	Western Loop	3900	20	\$3,740,000.00	\$960.00	\$7,240,000.00
9a	Downtown Square - Phase I	Downtown Square St. Reconfiguration	NA	NA	2250	10	\$1,990,000.00	\$890.00	\$2,480,000.00
9b	Downtown Square - Phase II	Spring Street/ Sante Street Connection	US 180	Main Street	1700	10	\$3,290,000.00	\$1,940.00	\$4,100,000.00
9c	Downtown Square - Phase III	Bridge Street/Alamo Street Connection	Main St	PaloPinto	1700	10	\$4,150,000.00	\$2,450.00	\$5,180,000.00
9d	Downtown Square - Phase IV	Downtown Parking	Main St	PaloPinto	1000	10	\$730,000.00	\$730.00	\$910,000.00
10	Tremont Street	Type "B" Minor Arterial	Narrow St	Existing Tremont	650	10	\$630,000.00	\$970.00	\$790,000.00
I-1	Intersection	N/A	E. Park Ave	Forest	N/A	10	\$550,000.00	N/A	\$690,000.00
I-2	Intersection	N/A	College Park	Martin	N/A	10	\$550,000.00	N/A	\$690,000.00
I-3	Intersection	N/A	Martin	Red Oak	N/A	10	\$550,000.00	N/A	\$690,000.00
I-4	Intersection	N/A	Red Oak	Texas	N/A	10	\$550,000.00	N/A	\$690,000.00
I-5	Intersection	N/A	Holland Lake	Santa Fe	N/A	10	\$550,000.00	N/A	\$690,000.00
<b>TOTAL CIP IMPROVEMENTS:</b>							<b>\$96,000,000.00</b>		<b>\$135,000,000.00</b>

\*Escalation is based on 1/2 half the project timing. For example on the 10 year CIP the escalation is estimated at 5 years



**CITY OF Weatherford**  
**CAPITAL IMPROVEMENT PROGRAM (2013 - 2023)**  
**PROJECT COST BREAKDOWN (Based on 2013 Cost)**

PROJECT										
NO.	ROADWAY	CONSTRUCTION	ROW	ENGINEERING	SURVEY	GEOTECH	INSPECTION	ADMIN/LEGAL	TESTING	TOTAL
1	Willow Creek Ave	\$ 8,265,000.00	\$ 772,800.00	\$ 661,200.00	\$ 82,700.00	\$ 41,400.00	\$ 495,900.00	\$ 41,400.00	\$ 82,700.00	\$ 10,444,000.00
2a	EB Frontage I-20	\$ 7,340,000.00	\$ 310,000.00	\$ 587,200.00	\$ 73,400.00	\$ 73,400.00	\$ 734,000.00	\$ 73,400.00	\$ 73,400.00	\$ 9,264,800.00
2b	WB Frontage I-20 Part 1	\$ 5,580,000.00	\$ 160,000.00	\$ 446,400.00	\$ 55,800.00	\$ 55,800.00	\$ 558,000.00	\$ 55,800.00	\$ 55,800.00	\$ 6,967,600.00
2c	WB Frontage I-20 Part 2	\$ 6,020,000.00	\$ 160,000.00	\$ 481,600.00	\$ 60,200.00	\$ 60,200.00	\$ 602,000.00	\$ 60,200.00	\$ 60,200.00	\$ 7,504,400.00
3	Washington - Phase I	\$ 2,096,000.00	\$ 290,400.00	\$ 167,700.00	\$ 21,000.00	\$ 10,500.00	\$ 125,800.00	\$ 10,500.00	\$ 21,000.00	\$ 2,743,000.00
4	Washington - Phase II	\$ 9,731,000.00	\$ 1,281,680.00	\$ 778,500.00	\$ 97,400.00	\$ 48,700.00	\$ 583,900.00	\$ 48,700.00	\$ 97,400.00	\$ 12,668,000.00
5a	W. Martin - Phase I	\$ 5,924,000.00	\$ 1,233,200.00	\$ 474,000.00	\$ 88,900.00	\$ 29,700.00	\$ 355,500.00	\$ 29,700.00	\$ 59,300.00	\$ 8,195,000.00
5b	W. Martin - Phase II	\$ 4,724,000.00	\$ 739,200.00	\$ 378,000.00	\$ 70,900.00	\$ 23,700.00	\$ 283,500.00	\$ 23,700.00	\$ 47,300.00	\$ 6,300,000.00
6	Tin Top	\$ 2,000,000.00	\$ 563,200.00	\$ 160,000.00	\$ 40,000.00	\$ 10,000.00	\$ 120,000.00	\$ 20,000.00	\$ 20,000.00	\$ 2,934,000.00
7a	B.B. Fielder	\$ 4,778,000.00	\$ 978,800.00	\$ 382,300.00	\$ 95,600.00	\$ 23,900.00	\$ 286,700.00	\$ 47,800.00	\$ 47,800.00	\$ 6,650,000.00
7b	Western Loop Extension	\$ 798,000.00	\$ 124,000.00	\$ 63,900.00	\$ 16,000.00	\$ 4,000.00	\$ 47,900.00	\$ 8,000.00	\$ 8,000.00	\$ 1,070,000.00
8a	EB Frontage I-20	\$ 3,240,000.00	\$ -	\$ 259,200.00	\$ 48,600.00	\$ 16,200.00	\$ 324,000.00	\$ 32,400.00	\$ 32,400.00	\$ 3,960,000.00
8b	WB Frontage I-20	\$ 3,060,000.00	\$ -	\$ 244,800.00	\$ 45,900.00	\$ 15,300.00	\$ 306,000.00	\$ 30,600.00	\$ 30,600.00	\$ 3,740,000.00
9a	Downtown Square - Phase I	\$ 1,672,000.00	\$ -	\$ 133,800.00	\$ 33,500.00	\$ 8,400.00	\$ 100,400.00	\$ 16,800.00	\$ 16,800.00	\$ 1,990,000.00
9b	Downtown Square - Phase II	\$ 1,753,000.00	\$ 1,173,000.00	\$ 175,300.00	\$ 35,100.00	\$ 8,800.00	\$ 105,200.00	\$ 17,600.00	\$ 17,600.00	\$ 3,290,000.00
9c	Downtown Square - Phase III	\$ 1,860,000.00	\$ 1,905,000.00	\$ 186,000.00	\$ 37,200.00	\$ 9,300.00	\$ 111,600.00	\$ 18,600.00	\$ 18,600.00	\$ 4,150,000.00
9d	Downtown Square - Phase IV	\$ 615,000.00	\$ -	\$ 49,200.00	\$ 12,300.00	\$ 3,100.00	\$ 36,900.00	\$ 6,200.00	\$ 6,200.00	\$ 730,000.00
10	Tremont Street	\$ 471,000.00	\$ 63,000.00	\$ 37,700.00	\$ 9,500.00	\$ 4,800.00	\$ 28,300.00	\$ 4,800.00	\$ 4,800.00	\$ 630,000.00
I-1	Intersection	\$ 500,000.00	\$ -	\$ 37,500.00	\$ 4,000.00	\$ -	\$ 6,000.00	\$ 1,500.00	\$ 1,000.00	\$ 550,000.00
I-2	Intersection	\$ 500,000.00	\$ -	\$ 37,500.00	\$ 4,000.00	\$ -	\$ 6,000.00	\$ 1,500.00	\$ 1,000.00	\$ 550,000.00
I-3	Intersection	\$ 500,000.00	\$ -	\$ 37,500.00	\$ 4,000.00	\$ -	\$ 6,000.00	\$ 1,500.00	\$ 1,000.00	\$ 550,000.00
I-4	Intersection	\$ 500,000.00	\$ -	\$ 37,500.00	\$ 4,000.00	\$ -	\$ 6,000.00	\$ 1,500.00	\$ 1,000.00	\$ 550,000.00
I-5	Intersection	\$ 500,000.00	\$ -	\$ 37,500.00	\$ 4,000.00	\$ -	\$ 6,000.00	\$ 1,500.00	\$ 1,000.00	\$ 550,000.00
<b>Totals:</b>		<b>\$ 72,430,000.00</b>	<b>\$ 9,760,000.00</b>	<b>\$ 5,860,000.00</b>	<b>\$ 950,000.00</b>	<b>\$ 450,000.00</b>	<b>\$ 5,240,000.00</b>	<b>\$ 560,000.00</b>	<b>\$ 710,000.00</b>	<b>\$ 96,000,000.00</b>

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
- Water Main
- City Limits
- Floodplain





# City of Weatherford

## CIP Project Fact Sheet

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input checked="" type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements	<b>PROJECT NO. 1</b> <b>Willow Creek Ave.</b> From: US 180 To: IH-20 Frontage Rd. Length: 4,320 <b>PRIORITY RANKING :</b>
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**Existing Conditions:**  
 Currently FM 730 ends at the intersection of US 180.

**Proposed Conditions:**  
 Willow Creek Ave. would extended approximately 4,300 LF as a four lane divided roadway between US 180 and the the existing IH-20 frontage road.

- Key Benefits:**
- 1.) Provides an alternate route and connection to IH-20.
  - 2.) Provides access for future development between US 180 and IH-20.
  - 3.) This project could be developed as a local project

**Project Scope:**

<input type="checkbox"/> On System
<input checked="" type="checkbox"/> Local Letting
<input checked="" type="checkbox"/> Environmental Document (Local)
<input checked="" type="checkbox"/> CLOMR / LOMR
<input type="checkbox"/> TxDOT Review and Approval
<input type="checkbox"/> Union Pacific Railroad Coordination
<input checked="" type="checkbox"/> ROW Acquisition
<input type="checkbox"/> Conduct Traffic Signal Warrant Study
<input checked="" type="checkbox"/> TxDOT Access Permit

**Project Schedule:**

	Duration (months)
Design	12
Environmental Permitting (Local)	3
ROW acquisition	8
Utility Relocation	3
Construction	12
<b>Estimated Total (Years):</b>	<b>2.4</b>



**Financial Data:**

Right-of-Way Cost	\$760,800.00
Engineering Services	\$785,300.00
Major Utility Relocation	\$0.00
TxDOT Fee for Review and Letting	\$0.00
City Administrative and Legal	\$41,400.00
Construction Management	\$578,600.00
Construction	\$6,885,000.00
Contingency	\$1,380,000.00
<b>Total Project Cost</b>	<b>\$10,432,000.00</b>
Escalation	\$2,578,000.00
<b>Bond Program Cost</b>	<b>\$13,010,000.00</b>



City of Weatherford, Texas  
 Engineer's Opinion of Probable Construction Cost Estimate  
 Willow Creek Ave From US 180 to I-20  
 February-13

Roadway Description:	Quantity	Unit	Project Limits:
Roadway Length	4,320	FT	Willow Creek Ave
Right-of-Way Width	100	FT	From: US 180
Roadway Width (One Side B-B)	27	FT	To: I-20
Median Width (B-B)	16	FT	<u>Classification:</u>
4-Lane Divided Section			Type "A" Major

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
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Paving Improvements					
1	Mobilization (5% of Construction Cost)	1	LS	\$327,900.00	\$327,900
2	Right of Way Preparation	12	ACRE	\$5,000.00	\$60,000
3	Unclassified Street Excavation	6,300	CY	\$5.00	\$31,500
4	Embankment	50,000	CY	\$10.00	\$500,000
5	8" Reinforced Concrete Pavement	26,000	SY	\$38.00	\$988,000
6	6" Stabilized Base	28,000	SY	\$3.00	\$84,000
7	Lime or Cement for Stabilization (27 lbs/SY)	380	TON	\$150.00	\$57,000
8	Monolithic Curb	17,280	LF	\$2.00	\$34,560
9	Sidewalks (5')	43,200	SF	\$3.50	\$151,200
10	Retaining Walls	0	SF	\$50.00	\$0
11	Additional Pavement at Median Openings (per side)	2	EA	\$12,800.00	\$25,600
12	ADA Ramps	6	EA	\$1,000.00	\$6,000
13	Hydromulching	57,600	SY	\$1.00	\$57,600
14	Top Soil	57,600	SY	\$1.00	\$57,600
15	Pavement Markings & Signage	8,700	LF	\$2.00	\$17,400
16	Traffic Control	10	MON	\$2,000.00	\$20,000
17	Erosion Control	1	LS	\$21,000.00	\$21,000
Paving Subtotal:					\$2,440,000

Drainage Improvements					
1	10' Storm Sewer Inlets	22	EA	\$4,000.00	\$86,400
2	4' x 4' Manholes	7	EA	\$6,000.00	\$41,472
3	Bridge (500' x 80')	40,000	SF	\$90.00	\$3,600,000
4	Storm Sewer Main (Class III RCP)(24")	3,456	LF	\$65.00	\$224,640
5	Storm Sewer Laterals (Class III RCP)(21")	778	LF	\$55.00	\$42,768
6	Culvert 36" RCP	100	LF	\$80.00	\$8,000
7	Headwalls	2	EA	\$10,000.00	\$20,000
Drainage :					\$4,024,000

Misc. Improvements					
1	New Traffic Signal (At US180)	1	EA	\$200,000.00	\$200,000
3	Street Lights / Foundations / Conduit	22	EA	\$5,500.00	\$121,000
4	Landscaping / Irrigation System	1	EA	\$100,000.00	\$100,000
Misc. Subtotal:					\$421,000

<b>Subtotal Construction Cost Estimate</b>					<b>\$6,885,000.00</b>
<b>Contingency</b>					<b>20%</b>
<b>Total Construction Cost Estimate</b>					<b>\$8,265,000.00</b>

Right-of-Way Cost	440,000	SF	\$1.20	\$528,000.00
Relocation	1	EA	\$150,000.00	\$150,000.00
Permanent Drainage Easement	70,000	SF	\$0.80	\$56,000.00
Temporary Construction Easement	44,000	SF	\$0.20	\$8,800.00
Cost Per Parcel (Land Agent / Survey / Legal)	3	EA	\$6,000.00	\$18,000.00
Engineering Services	8.0%			\$661,200.00
Surveying Services	1.0%			\$82,700.00
Geotechnical Services	0.5%			\$41,400.00
Construction Inspection Services	6.0%			\$495,900.00
Administrative and Legal	0.5%			\$41,400.00
Construction Materials Testing	1.0%			\$82,700.00
<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>				<b>\$10,432,000.00</b>
<b>Total Capital Cost Per Foot</b>				<b>\$2,420.00</b>

Notes:

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
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**CIP Project 2b**

**CIP Project 2a**



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements		PROJECT NO. <b>2a</b> <b>EB IH-20 Frontage Road</b> From: Bankhead Hwy. To: Centerpoint Road Length: 5,100 PRIORITY RANKING :																						
<b>Existing Conditions:</b> There is no existing eastbound frontage road; however there is an existing eastbound IH-20 on-ramp located near Bankhead Hwy.																								
<b>Proposed Conditions:</b> A new three lane eastbound frontage road would be constructed between Bankhead Hwy. and Centerpoint road and new on/off ramps would be constructed in a x-ramp configuration.																								
<b>Key Benefits:</b> 1.) Improves ramp safety with improved ramps to current TxDOT standards 2.) Would allow ramp weaving to occur on the the frontage road which would improve IH-20 main lane safety 3.) Provides access to adjacent property to improve development potential																								
<b>Project Scope:</b> <input checked="" type="checkbox"/> On System <input type="checkbox"/> Local Letting <input checked="" type="checkbox"/> Environmental Document (FHWA) <input checked="" type="checkbox"/> CLOMR / LOMR <input checked="" type="checkbox"/> TxDOT Review and Approval <input type="checkbox"/> Union Pacific Railroad Coordination <input checked="" type="checkbox"/> ROW Acquisition <input type="checkbox"/> Conduct Traffic Signal Warrant Study <input type="checkbox"/> TxDOT Access Permit	<b>Project Schedule:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right; border-bottom: 1px solid black;"><u>Duration (months)</u></th> </tr> </thead> <tbody> <tr> <td>Design</td> <td style="text-align: right;">15</td> </tr> <tr> <td>Environmental Permitting (FHWA)</td> <td style="text-align: right;">15</td> </tr> <tr> <td>ROW acquisition</td> <td style="text-align: right;">8</td> </tr> <tr> <td>Utility Relocation</td> <td style="text-align: right;">6</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">12</td> </tr> <tr> <td style="text-align: right;"><b>Estimated Total (Years):</b></td> <td style="text-align: right;"><b>3.4</b></td> </tr> </tbody> </table>			<u>Duration (months)</u>	Design	15	Environmental Permitting (FHWA)	15	ROW acquisition	8	Utility Relocation	6	Construction	12	<b>Estimated Total (Years):</b>	<b>3.4</b>								
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**City of Weatherford, Texas**  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**I-20 WB Frontage Road**  
**February-13**

<b>Roadway Description:</b>	Quantity	Unit	<u>Project Limits:</u>
Roadway Length each Frontage Road	5,100	FT	I-20 WB Frontage Road
Right-of-Way Width each Frontage Road	60	FT	From: Centerpoint Dr
Roadway Width each Frontage Road	44	FT	To: Bankhead Hwy
Bridge Length	330	FT	<u>Classification:</u>
			Frontage Road

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$275,600.00	\$275,600
2	Right of Way Preparation	7	ACRE	\$5,000.00	\$35,000
3	Unclassified Street Excavation	9,000	CY	\$6.00	\$54,000
4	Embankment	18,000	CY	\$10.00	\$180,000
5	10" Reinforced Concrete Pavement	25,000	SY	\$45.00	\$1,125,000
6	4" HMA Bond Breaker Pavement	6,256	TON	\$80.00	\$500,480
7	8" Stabilized Base	27,200	SY	\$3.50	\$95,200
8	Lime or Cement for Stabilization (40 lbs/SY)	550	TON	\$150.00	\$82,500
9	Bridge Structure	16,800	SF	\$90.00	\$1,512,000
10	Sidewalk	30,600	SF	\$5.00	\$153,000
11	Monolithic Curb	10,200	LF	\$2.00	\$20,400
12	Hydromulching	10,900	SY	\$1.00	\$10,900
13	Top Soil	10,900	SY	\$1.00	\$10,900
14	Guardrail	400	LF	\$30.00	\$12,000
15	Pavement Markings & Signage	5,100	LF	\$2.00	\$10,200
16	Traffic Control	12	MON	\$4,000.00	\$48,000
17	Erosion Control	1	LS	\$15,000.00	\$15,000
<b>Paving Subtotal:</b>					<b>\$4,140,180</b>

<b>Drainage Improvements</b>					
1	Curb Inlets (All Sizes)	30	EA	\$2,600.00	\$78,000
2	Lateral Storm Drain Pipe (24")	2,600	LF	\$65.00	\$169,000
<b>Drainage Subtotal:</b>					<b>\$247,000</b>

<b>Misc. Improvements</b>					
1	X-ramp conversion	2	EA	\$700,000.00	\$1,400,000
<b>Misc. Subtotal:</b>					<b>\$1,400,000</b>

<b>Subtotal Construction Cost Estimate</b>					<b>\$5,790,000.00</b>
<b>Contingency</b>					<b>20%</b>
					<b>\$1,160,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$6,950,000.00</b>

	<b>Right-of-Way Cost</b>	50,000	SF	\$6.00	<b>\$300,000.00</b>
	<b>Permanent Drainage Easement</b>	-	SF	\$5.00	<b>\$0.00</b>
	<b>Temporary Construction Easement</b>	-	SF	\$0.20	<b>\$0.00</b>
	<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>	1	EA	\$10,000.00	<b>\$10,000.00</b>
	<b>Engineering Services</b>	8.0%			<b>\$556,000.00</b>
	<b>Surveying Services</b>	1.0%			<b>\$69,500.00</b>
	<b>Geotechnical Services</b>	1.0%			<b>\$69,500.00</b>
	<b>Construction Inspection Services (TxDOT Letting)</b>	10.0%			<b>\$695,000.00</b>
	<b>Administrative and Legal</b>	1.0%			<b>\$69,500.00</b>
	<b>Construction Materials Testing</b>	1.0%			<b>\$69,500.00</b>
	<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>				<b>\$8,789,000.00</b>
	<b>Total Capital Cost Per Foot</b>				<b>\$870.00</b>

<b>Notes:</b>					
1	X-Ramp Conversion includes pavement removal, new pavement, drainage, earthwork, signing, and pavement markings				
2	This estimate does not include quantities for the interchanges at Bankhead Hwy and Centerpoint Road				
3	Parker County is developing the environmental and schematic for this project				

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
- Water Main
- City Limits
- Floodplain



**CIP Project 2b**

**CIP Project 2a**



City of Weatherford, Texas  
 Engineer's Opinion of Probable Construction Cost Estimate  
 I-20 WB Frontage Road  
 April-13

<b>Roadway Description:</b>	Quantity	Unit	<u>Project Limits:</u>
Roadway Length each Frontage Road	2,500	FT	I-20 WB Frontage Road Part 1
Right-of-Way Width each Frontage Road	60	FT	From: Centerpoint Dr
Roadway Width each Frontage Road	44	FT	To: Part 2
Bridge Length	330	FT	<u>Classification:</u> Frontage Road

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$221,300.00	\$221,300
2	Right of Way Preparation	4	ACRE	\$5,000.00	\$20,000
3	Unclassified Street Excavation	9,000	CY	\$6.00	\$54,000
4	Embankment	9,000	CY	\$10.00	\$90,000
5	10" Reinforced Concrete Pavement	13,170	SY	\$44.00	\$579,480
6	4" HMAC Bond Breaker	3,282	TON	\$90.00	\$295,389
7	8" Stabilized Base	14,270	SY	\$3.50	\$49,945
8	Lime or Cement for Stabilization (40 lbs/SY)	290	TON	\$150.00	\$43,500
9	Bridge Structure	16,800	SF	\$90.00	\$1,512,000
10	Monolithic Curb	5,000	LF	\$2.00	\$10,000
11	Hydromulching	5,400	SY	\$1.00	\$5,400
12	Top Soil	5,400	SY	\$1.00	\$5,400
13	Guardrail	400	LF	\$30.00	\$12,000
14	Pavement Markings & Signage	2,500	LF	\$2.00	\$5,000
15	Traffic Control	6	MON	\$4,000.00	\$24,000
16	Erosion Control	1	LS	\$8,000.00	\$8,000
Paving Subtotal:					\$2,935,414

<b>Drainage Improvements</b>					
1	Curb Inlets (All Sizes)	10	EA	\$2,600.00	\$26,000
2	Lateral Storm Drain Pipe (24")	1,300	LF	\$65.00	\$84,500
Drainage Subtotal:					\$110,500

<b>Misc. Improvements</b>					
1	Loop X-ramp conversion	2	EA	\$800,000.00	\$1,600,000
Misc. Subtotal:					\$1,600,000

<b>Subtotal Construction Cost Estimate</b>					<b>\$4,650,000.00</b>
<b>Contingency</b>					<b>20%</b>
<b>Total Construction Cost Estimate</b>					<b>\$5,580,000.00</b>

	<b>Right-of-Way Cost</b>	25,000	SF	\$6.00	\$150,000.00
	<b>Permanent Drainage Easement</b>	-	SF	\$5.00	\$0.00
	<b>Temporary Construction Easement</b>	-	SF	\$0.20	\$0.00
	<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>	1	EA	\$10,000.00	\$10,000.00
	<b>Engineering Services</b>	8.0%			\$446,400.00
	<b>Surveying Services</b>	1.0%			\$55,800.00
	<b>Geotechnical Services</b>	1.0%			\$55,800.00
	<b>Construction Inspection Services</b>	10.0%			\$558,000.00
	<b>Administrative and Legal</b>	1.0%			\$55,800.00
	<b>Construction Materials Testing</b>	1.0%			\$55,800.00
	<b>Total Capital Cost (Based on Unit Prices for April 2013)</b>				<b>\$6,967,600.00</b>
	<b>Total Capital Cost Per Foot</b>				<b>\$1,400.00</b>

<i>Notes:</i>					
1	<i>X-Ramp Conversion includes pavement removal, new pavement, drainage, earthwork, signing, and pavement markings</i>				
2	<i>This estimate does not include quantities for the interchanges at Bankhead Hwy and Centerpoint Road</i>				
3	<i>Parker County is developing the environmental and schematic for this project</i>				
2	<i>This estimate does not include the u-turn bridge at centerpoint.</i>				



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements	<b>PROJECT NO. 2b</b> <b>WB IH-20 Frontage Road Part 1</b> From: Centerpoint Road To: Part 2 Length: 2,500 <b>PRIORITY RANKING :</b>
---	---

**Existing Conditions:**  
 There is an existing two-way frontage that extends approximately 2,300 LF providing access to existing development.

**Proposed Conditions:**  
 A new three lane westbound frontage road would be constructed between Bankhead Hwy. and Centerpoint road and new on/off ramps would be constructed in a x-ramp configuration. This project would also include a new u-turn bridge on the east side of the existing Bankhead Hwy. Bridge.

- Key Benefits:**
- 1.) Improves ramp safety with improved ramps to current TxDOT standards
  - 2.) Would allow ramp weaving to occur on the the frontage road which would improve IH-20 main lane safety
  - 3.) Provides access to adjacent property to improve development potential

**Project Scope:**

- On System
- Local Letting
- Environmental Document (FHWA)
- CLOMR / LOMR
- TxDOT Review and Approval
- Union Pacific Railroad Coordination
- ROW Acquisition
- Conduct Traffic Signal Warrant Study
- TxDOT Access Permit

**Project Schedule:**

	Duration (months)
Design	8
Environmental Permitting (FHWA)	8
ROW acquisition	4
Utility Relocation	3
Construction	6
<b>Estimated Total (Years):</b>	<b>1.8</b>



**Financial Data:**

Right-of-Way Cost	\$160,000.00
Engineering Services	\$558,000.00
Major Utility Relocation	\$0.00
TxDOT Fee for Review and Letting	\$613,800.00
City Administrative and Legal	\$55,800.00
Construction Management	\$0.00
Construction	\$4,650,000.00
Contingency	\$930,000.00
<b>Total Project Cost</b>	<b>\$6,967,600.00</b>
Escalation	\$1,722,400.00
<b>Bond Program Cost</b>	<b>\$8,690,000.00</b>



**City of Weatherford, Texas**  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**I-20 WB Frontage Road**  
**April-13**

<b>Roadway Description:</b>	Quantity	Unit	<u>Project Limits:</u>
Roadway Length each Frontage Road	3,000	FT	I-20 WB Frontage Road Part 2
Right-of-Way Width each Frontage Road	60	FT	From: Part 1
Roadway Width each Frontage Road	44	FT	To: Bankhead Hwy
Bridge Length	330	FT	<u>Classification:</u> Frontage Road

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$238,300.00	\$238,300
2	Right of Way Preparation	4	ACRE	\$5,000.00	\$20,000
3	Unclassified Street Excavation	10,000	CY	\$6.00	\$60,000
4	Embankment	20,000	CY	\$10.00	\$200,000
5	10" Reinforced Concrete Pavement	15,570	SY	\$44.00	\$685,080
6	4" HMA Bond Breaker	3,880	TON	\$90.00	\$349,209
7	8" Stabilized Base	16,870	SY	\$3.50	\$59,045
8	Lime or Cement for Stabilization (40 lbs/SY)	340	TON	\$150.00	\$51,000
9	Bridge Structure	16,800	SF	\$90.00	\$1,512,000
10	Monolithic Curb	6,000	LF	\$2.00	\$12,000
11	Hydromulching	6,400	SY	\$1.00	\$6,400
12	Top Soil	6,400	SY	\$1.00	\$6,400
13	Guardrail	400	LF	\$30.00	\$12,000
14	Pavement Markings & Signage	3,000	LF	\$2.00	\$6,000
15	Traffic Control	10	MON	\$4,000.00	\$40,000
16	Erosion Control	1	LS	\$9,000.00	\$9,000
Paving Subtotal:					\$3,266,434

<b>Drainage Improvements</b>					
1	Curb Inlets (All Sizes)	20	EA	\$2,600.00	\$52,000
2	Lateral Storm Drain Pipe (24")	1,300	LF	\$65.00	\$84,500
Drainage Subtotal:					\$136,500

<b>Misc. Improvements</b>					
1	Loop X-ramp conversion	2	EA	\$800,000.00	\$1,600,000
Misc. Subtotal:					\$1,600,000

<b>Subtotal Construction Cost Estimate</b>					<b>\$5,010,000.00</b>
<b>Contingency</b>					<b>20%</b>
<b>Total Construction Cost Estimate</b>					<b>\$6,020,000.00</b>

	<b>Right-of-Way Cost</b>	25,000	SF	\$6.00	\$150,000.00
	<b>Permanent Drainage Easement</b>	-	SF	\$5.00	\$0.00
	<b>Temporary Construction Easement</b>	-	SF	\$0.20	\$0.00
	<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>	1	EA	\$10,000.00	\$10,000.00
	<b>Engineering Services</b>	8.0%			\$481,600.00
	<b>Surveying Services</b>	1.0%			\$60,200.00
	<b>Geotechnical Services</b>	1.0%			\$60,200.00
	<b>Construction Inspection Services</b>	10.0%			\$602,000.00
	<b>Administrative and Legal</b>	1.0%			\$60,200.00
	<b>Construction Materials Testing</b>	1.0%			\$60,200.00
	<b>Total Capital Cost (Based on Unit Prices for April 2013)</b>				<b>\$7,504,400.00</b>
	<b>Total Capital Cost Per Foot</b>				<b>\$1,260.00</b>

<i>Notes:</i>					
1	<i>X-Ramp Conversion includes pavement removal, new pavement, drainage, earthwork, signing, and pavement markings</i>				
2	<i>This estimate does not include quantities for the interchanges at Bankhead Hwy and Centerpoint Road</i>				
3	<i>Parker County is developing the environmental and schematic for this project</i>				
2	<i>This estimate does not include the u-turn bridge at Bankhead Hwy.</i>				



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements	PROJECT NO. 2c <b>WB IH-20 Frontage Road Part 2</b> From: Part 1 To: Bankhead Hwy Length: 3,000 PRIORITY RANKING :
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**Existing Conditions:**  
 There is an existing two-way frontage that extends approximately 2,300 LF providing access to existing development.

**Proposed Conditions:**  
 A new three lane westbound frontage road would be constructed between Bankhead Hwy. and Centerpoint road and new on/off ramps would be constructed in a x-ramp configuration. This project would also include a new u-turn bridge on the east side of the existing Bankhead Hwy. Bridge.

- Key Benefits:**
- 1.) Improves ramp safety with improved ramps to current TxDOT standards
  - 2.) Would allow ramp weaving to occur on the the frontage road which would improve IH-20 main lane safety
  - 3.) Provides access to adjacent property to improve development potential

**Project Scope:**

- On System
- Local Letting
- Environmental Document (FHWA)
- CLOMR / LOMR
- TxDOT Review and Approval
- Union Pacific Railroad Coordination
- ROW Acquisition
- Conduct Traffic Signal Warrant Study
- TxDOT Access Permit

**Project Schedule:**

	Duration (months)
Design	7
Environmental Permitting (FHWA)	7
ROW acquisition	4
Utility Relocation	3
Construction	6
<b>Estimated Total (Years):</b>	<b>1.7</b>



**Financial Data:**

Right-of-Way Cost	\$160,000.00
Engineering Services	\$602,000.00
Major Utility Relocation	\$0.00
TxDOT Fee for Review and Letting	\$662,200.00
City Administrative and Legal	\$60,200.00
Construction Management	\$0.00
Construction	\$5,010,000.00
Contingency	\$1,010,000.00
<b>Total Project Cost</b>	<b>\$7,504,400.00</b>
Escalation	\$1,722,400.00
<b>Bond Program Cost</b>	<b>\$9,226,800.00</b>



**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
- Water Main
- City Limits
- Floodplain



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements		PROJECT NO. 3 <b>Washington Street Extension (Phase II)</b> From: Holland Lake Rd. To: Santa Fe Dr. Length: 3,100 PRIORITY RANKING :																						
<b>Existing Conditions:</b> There is currently no existing roadway between Holland Lake Road and Santa Fe Dr.																								
<b>Proposed Conditions:</b> This project would include and new backage road to IH-20 between Holland Lake Road and Santa Fe Dr.																								
<b>Key Benefits:</b> 1.) Improves north/south mobility 2.) Ultimatly this project would form a full connection from IH-20 to US 180. 3.) Provides access to adjacent property to improve development potential																								
<b>Project Scope:</b> <input type="checkbox"/> On System <input checked="" type="checkbox"/> Local Letting <input checked="" type="checkbox"/> Environmental Document (Local) <input type="checkbox"/> CLOMR / LOMR <input type="checkbox"/> TxDOT Review and Approval <input type="checkbox"/> Union Pacific Railroad Coordination <input checked="" type="checkbox"/> ROW Acquisition <input checked="" type="checkbox"/> Conduct Traffic Signal Warrant Study <input checked="" type="checkbox"/> TxDOT Access Permit	<b>Project Schedule:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right; border-bottom: 1px solid black;"><u>Duration (months)</u></th> </tr> </thead> <tbody> <tr> <td>Design</td> <td style="text-align: right;">10</td> </tr> <tr> <td>Environmental Permitting (Local)</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ROW acquisition</td> <td style="text-align: right;">6</td> </tr> <tr> <td>Utility Relocation</td> <td style="text-align: right;">6</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">10</td> </tr> <tr> <td style="text-align: right;"><b>Estimated Total (Years):</b></td> <td style="text-align: right;"><b>2.1</b></td> </tr> </tbody> </table>			<u>Duration (months)</u>	Design	10	Environmental Permitting (Local)	3	ROW acquisition	6	Utility Relocation	6	Construction	10	<b>Estimated Total (Years):</b>	<b>2.1</b>								
	<u>Duration (months)</u>																							
Design	10																							
Environmental Permitting (Local)	3																							
ROW acquisition	6																							
Utility Relocation	6																							
Construction	10																							
<b>Estimated Total (Years):</b>	<b>2.1</b>																							
<b>Project Location Map:</b> 	<b>Financial Data:</b> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td>Right-of-Way Cost</td> <td style="text-align: right;">\$278,400.00</td> </tr> <tr> <td>Engineering Services</td> <td style="text-align: right;">\$199,200.00</td> </tr> <tr> <td>Major Utility Relocation</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>TxDOT Fee for Review and Letting</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>City Adminstrative and Legal</td> <td style="text-align: right;">\$10,500.00</td> </tr> <tr> <td>Construction Management</td> <td style="text-align: right;">\$146,800.00</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">\$1,746,000.00</td> </tr> <tr> <td>Contingency</td> <td style="text-align: right;">\$350,000.00</td> </tr> <tr> <td><b>Total Project Cost</b></td> <td style="text-align: right;"><b>\$2,731,000.00</b></td> </tr> <tr> <td>Escalation</td> <td style="text-align: right;">\$679,000.00</td> </tr> <tr> <td><b>Bond Program Cost</b></td> <td style="text-align: right;"><b>\$3,410,000.00</b></td> </tr> </tbody> </table>		Right-of-Way Cost	\$278,400.00	Engineering Services	\$199,200.00	Major Utility Relocation	\$0.00	TxDOT Fee for Review and Letting	\$0.00	City Adminstrative and Legal	\$10,500.00	Construction Management	\$146,800.00	Construction	\$1,746,000.00	Contingency	\$350,000.00	<b>Total Project Cost</b>	<b>\$2,731,000.00</b>	Escalation	\$679,000.00	<b>Bond Program Cost</b>	<b>\$3,410,000.00</b>
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<b>Bond Program Cost</b>	<b>\$3,410,000.00</b>																							



City of Weatherford, Texas  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**New Road "Washington" From Holland Lake Road to Santa Fe Dr.**  
**February-13**

Roadway Description:		Quantity	Unit	Project Limits:	
Roadway Length		3,100	FT	New Road "Washington"	
Right-of-Way Width		80	FT	From: Holland Lake	
Roadway Width (B-B)		48	FT	To: Santa Fe Dr.	
				<u>Classification:</u>	
				Type "C" Major Collector	
Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$83,200.00	\$83,200
2	Right of Way Preparation	7	ACRE	\$5,000.00	\$35,000
3	Unclassified Street Excavation	4,000	CY	\$6.00	\$24,000
4	8" Reinforced Concrete Pavement	16,600	SY	\$38.00	\$630,800
5	6" Stabilized Base	18,000	SY	\$3.00	\$54,000
6	Lime or Cement for Stabilization (27 lbs/SY)	250	TON	\$150.00	\$37,500
7	Monolithic Curb	6,200	LF	\$2.00	\$12,400
8	Sidewalks (5')	31,000	SF	\$3.50	\$108,500
9	ADA Ramps	10	EA	\$1,000.00	\$10,000
10	Hydromulching	13,300	SY	\$1.00	\$13,300
11	Top Soil	13,300	SY	\$1.00	\$13,300
12	Pavement Markings & Signage	12,400	LF	\$2.00	\$24,800
13	Traffic Control	10	MON	\$2,000.00	\$20,000
14	Erosion Control	1	LS	\$15,000.00	\$15,000
Paving Subtotal:					\$1,082,000
<b>Drainage Improvements</b>					
1	10' Storm Sewer Inlets	16	EA	\$4,000.00	\$62,000
2	4' x 4' Manholes	6	EA	\$6,000.00	\$33,600
3	Storm Sewer Main (Class III RCP)(24")	2,800	LF	\$65.00	\$182,000
4	Storm Sewer Laterals (Class III RCP)(21")	388	LF	\$55.00	\$21,313
5	Culvert 36" RCP	240	LF	\$80.00	\$19,200
6	SET 36" Perpendicular Drainage	6	EA	\$5,000.00	\$30,000
Drainage :					\$348,113
<b>Misc. Improvements</b>					
1	Traffic Signal	1	EA	\$200,000.00	\$200,000
2	Street Lights / Foundations / Conduit	21	EA	\$5,500.00	\$115,500
Misc. Subtotal:					\$315,500
<b>Subtotal Construction Cost Estimate</b>					<b>\$1,746,000.00</b>
<b>Contingency</b>					<b>20%</b> <b>\$350,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$2,096,000.00</b>
<b>Right-of-Way Cost</b>		248,000	SF	\$1.00	\$248,000.00
<b>Permanent Drainage Easement</b>		-	SF	\$0.80	\$0.00
<b>Temporary Construction Easement</b>		62,000	SF	\$0.20	\$12,400.00
<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>		3	EA	\$6,000.00	\$18,000.00
<b>Engineering Services</b>		8.0%			\$167,700.00
<b>Surveying Services</b>		1.0%			\$21,000.00
<b>Geotechnical Services</b>		0.5%			\$10,500.00
<b>Construction Inspection Services</b>		6.0%			\$125,800.00
<b>Administrative and Legal</b>		0.5%			\$10,500.00
<b>Construction Materials Testing</b>		1.0%			\$21,000.00
<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>					<b>\$2,731,000.00</b>
<b>Total Capital Cost Per Foot</b>					<b>\$890.00</b>
<b>Notes:</b>					

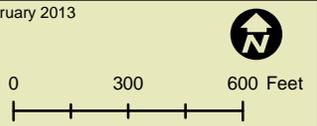
**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
- Water Main
- City Limits
- Floodplain



**CIP Project #4 - Washington Thoroughfare Plan Update**

February 2013





# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input checked="" type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input checked="" type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements		PROJECT NO. 4 <b>Washington Street Extension (Phase I)</b> From: Santa Fe Dr. To: US 180 Length: 8,420 PRIORITY RANKING :																						
<b>Existing Conditions:</b> There is currently no existing roadway between Santa Fe Dr. and US 180 in this area.																								
<b>Proposed Conditions:</b> This project would include extension of a four lane roadway between Santa Fe Drive and US 180 providing access to Bankhead Hwy. and providing a new bridge over the railroad for north/south traffic. This project would also provide an alternate route to Ikard Elementary and provide access the City trail head.																								
<b>Key Benefits:</b> 1.) Improves north/south mobility 2.) Ultimately this project would form a full connection from IH-20 to US 180. 3.) Provides access to adjacent property to improve development potential																								
<b>Project Scope:</b> <input type="checkbox"/> On System <input checked="" type="checkbox"/> Local Letting <input checked="" type="checkbox"/> Environmental Document (Local) <input checked="" type="checkbox"/> CLOMR / LOMR <input type="checkbox"/> TxDOT Review and Approval <input checked="" type="checkbox"/> Union Pacific Railroad Coordination <input checked="" type="checkbox"/> ROW Acquisition <input checked="" type="checkbox"/> Conduct Traffic Signal Warrant Study <input checked="" type="checkbox"/> TxDOT Access Permit	<b>Project Schedule:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right; border-bottom: 1px solid black;"><u>Duration (months)</u></th> </tr> </thead> <tbody> <tr> <td>Design</td> <td style="text-align: right;">12</td> </tr> <tr> <td>Environmental Permitting (Local)</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ROW acquisition</td> <td style="text-align: right;">10</td> </tr> <tr> <td>Utility Relocation</td> <td style="text-align: right;">6</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">15</td> </tr> <tr> <td style="text-align: right;"><b>Estimated Total (Years):</b></td> <td style="text-align: right;"><b>2.8</b></td> </tr> </tbody> </table>			<u>Duration (months)</u>	Design	12	Environmental Permitting (Local)	3	ROW acquisition	10	Utility Relocation	6	Construction	15	<b>Estimated Total (Years):</b>	<b>2.8</b>								
	<u>Duration (months)</u>																							
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<b>Project Location Map:</b> 	<b>Financial Data:</b> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 70%;">Right-of-Way Cost</td> <td style="text-align: right;">\$1,253,680.00</td> </tr> <tr> <td>Engineering Services</td> <td style="text-align: right;">\$924,600.00</td> </tr> <tr> <td>Major Utility Relocation</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>TxDOT Fee for Review and Letting</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>City Administrative and Legal</td> <td style="text-align: right;">\$48,700.00</td> </tr> <tr> <td>Construction Management</td> <td style="text-align: right;">\$681,300.00</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">\$8,101,000.00</td> </tr> <tr> <td>Contingency</td> <td style="text-align: right;">\$1,630,000.00</td> </tr> <tr> <td><b>Total Project Cost</b></td> <td style="text-align: right;"><b>\$12,640,000.00</b></td> </tr> <tr> <td>Escalation</td> <td style="text-align: right;">\$3,120,000.00</td> </tr> <tr> <td><b>Bond Program Cost</b></td> <td style="text-align: right;"><b>\$15,760,000.00</b></td> </tr> </tbody> </table>		Right-of-Way Cost	\$1,253,680.00	Engineering Services	\$924,600.00	Major Utility Relocation	\$0.00	TxDOT Fee for Review and Letting	\$0.00	City Administrative and Legal	\$48,700.00	Construction Management	\$681,300.00	Construction	\$8,101,000.00	Contingency	\$1,630,000.00	<b>Total Project Cost</b>	<b>\$12,640,000.00</b>	Escalation	\$3,120,000.00	<b>Bond Program Cost</b>	<b>\$15,760,000.00</b>
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<b>Bond Program Cost</b>	<b>\$15,760,000.00</b>																							



City of Weatherford, Texas  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**New Road "Washington" From US180 to Santa Fe Dr**  
**February-13**

Roadway Description:		Quantity	Unit	Project Limits:	
Roadway Length		8,420	FT	New Road "Washington"	
Right-of-Way Width		90	FT	From: US180	
Roadway Width (One Side B-B)		27	FT	To: Santa Fe Dr.	
Median Width (B-B)		13	FT	Classification: Type "B" Minor Arterial	

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$265,800.00	\$265,800
2	Right of Way Preparation	21	ACRE	\$5,000.00	\$105,000
3	Unclassified Street Excavation	12,300	CY	\$6.00	\$73,800
4	Embankment	80,000	CY	\$8.00	\$640,000
5	8" Reinforced Concrete Pavement	49,800	SY	\$38.00	\$1,892,400
6	6" Stabilized Base	55,000	SY	\$3.00	\$165,000
7	Lime or Cement for Stabilization (27 lbs/SY)	750	TON	\$150.00	\$112,500
8	Monolithic Curb	33,680	LF	\$2.00	\$67,360
9	Sidewalks (5')	84,200	SF	\$3.50	\$294,700
10	Additional Pavement at Median Openings (per side)	12	EA	\$12,800.00	\$153,600
11	ADA Ramps	12	EA	\$1,000.00	\$12,000
12	Hydromulching	40,500	SY	\$1.00	\$40,500
13	Top Soil	40,500	SY	\$3.00	\$121,500
14	Pavement Markings & Signage	33,700	LF	\$2.00	\$67,400
15	Traffic Control	10	MON	\$2,000.00	\$20,000
16	Erosion Control	1	LS	\$40,000.00	\$40,000
17	Bridge Structure (Railroad and Creek Overpass)	28,000	SF	\$90.00	\$2,520,000
				Paving Subtotal:	\$6,592,000
<b>Drainage Improvements</b>					
1	10' Storm Sewer Inlets	42	EA	\$4,000.00	\$168,400
2	4' x 4' Manholes	8	EA	\$6,000.00	\$45,600
3	Storm Sewer Main (Class III RCP)(24")	3,800	LF	\$65.00	\$247,000
4	Storm Sewer Laterals (Class III RCP)(21")	1,516	LF	\$55.00	\$83,358
5	Culvert 36" RCP	100	LF	\$80.00	\$8,000
6	Headwalls	2	EA	\$10,000.00	\$20,000
				Drainage :	\$572,358
<b>Misc. Improvements</b>					
1	Traffic Signal	3	EA	\$200,000.00	\$600,000
2	Street Lights / Foundations / Conduit	43	EA	\$5,500.00	\$236,500
3	Landscaping / Irrigation System	1	EA	\$100,000.00	\$100,000
				Misc. Subtotal:	\$936,500
<b>Subtotal Construction Cost Estimate</b>					<b>\$8,101,000.00</b>
<b>Contingency</b>		<b>20%</b>			<b>\$1,630,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$9,731,000.00</b>
<b>Right-of-Way Cost</b>		758,000	SF	\$1.00	\$758,000.00
<b>Relocation</b>		2	EA	\$150,000.00	\$300,000.00
<b>Permanent Drainage Easement</b>		150,000	SF	\$0.80	\$120,000.00
<b>Temporary Construction Easement</b>		168,400	SF	\$0.20	\$33,680.00
<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>		7	EA	\$6,000.00	\$42,000.00
<b>Engineering Services</b>		8.0%			\$778,500.00
<b>Surveying Services</b>		1.0%			\$97,400.00
<b>Geotechnical Services</b>		0.5%			\$48,700.00
<b>Construction Inspection Services</b>		6.0%			\$583,900.00
<b>Administrative and Legal</b>		0.5%			\$48,700.00
<b>Construction Materials Testing</b>		1.0%			\$97,400.00
<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>					<b>\$12,640,000.00</b>
<b>Total Capital Cost Per Foot</b>					<b>\$1,510.00</b>

Notes:

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
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- Floodplain





# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input checked="" type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements	<b>PROJECT NO. 5</b> <b>W. Martin Road</b> From: S. Bowie Dr. To: FM 51 (Main St.) Length: 7,200 <b>PRIORITY RANKING :</b>
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**Existing Conditions:**  
 There is currently no existing roadway between Bowie and FM 51

**Proposed Conditions:**  
 This project would function as a new east/west thoroughfare between S. Bowie and FM 51

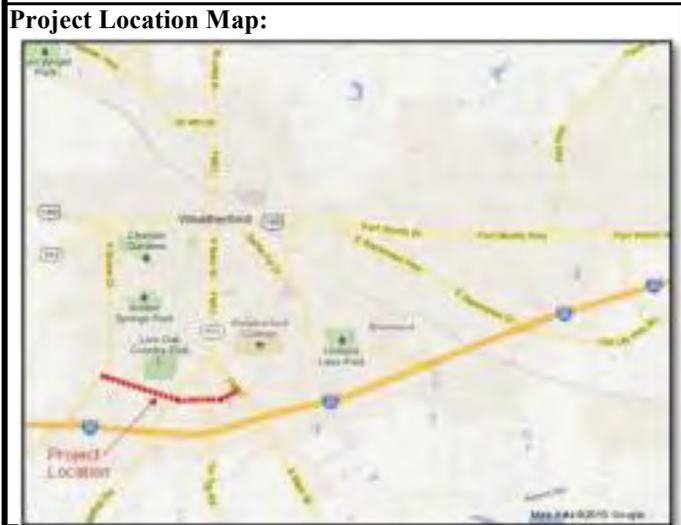
- Key Benefits:**
- 1.) Improves east/west mobility
  - 2.) Ultimately this project would form a full connection from FM 51 to Ric Williamson Memorial Hwy.
  - 3.) Provides access to adjacent property to improve development potential

**Project Scope:**

- On System
- Local Letting
- Environmental Document (Local)
- CLOMR / LOMR
- TxDOT Review and Approval
- Union Pacific Railroad Coordination
- ROW Acquisition
- Conduct Traffic Signal Warrant Study
- TxDOT Access Permit

**Project Schedule:**

	<u>Duration (months)</u>
Design	12
Environmental Permitting (Local)	3
ROW acquisition	6
Utility Relocation	6
Construction	12
<b>Estimated Total (Years):</b>	<b>2.3</b>



**Financial Data:**

Right-of-Way Cost	\$1,193,200.00
Engineering Services	\$592,600.00
Major Utility Relocation	\$0.00
TxDOT Fee for Review and Letting	\$0.00
City Administrative and Legal	\$29,700.00
Construction Management	\$414,800.00
Construction	\$4,934,000.00
Contingency	\$990,000.00
<b>Total Project Cost</b>	<b>\$8,155,000.00</b>
Escalation	\$7,635,000.00
<b>Bond Program Cost</b>	<b>\$15,790,000.00</b>



City of Weatherford, Texas  
 Engineer's Opinion of Probable Construction Cost Estimate  
 New Road "W. Martin" From Main St to S. Bowie Dr  
 February-13

Roadway Description:		Quantity	Unit	Project Limits:	
Roadway Length		7,200	FT	New Road "W. Martin"	
Right-of-Way Width		90	FT	From: Main St	
Roadway Width (One Side B-B)		27	FT	To: S. Bowie Dr	
Median Width (B-B)		13	FT	Classification: Type "B" Minor Arterial	

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$234,900.00	\$234,900
2	Right of Way Preparation	18	ACRE	\$5,000.00	\$90,000
3	Embankment	35,000	CY	\$8.00	\$280,000
4	8" Reinforced Concrete Pavement	43,200	SY	\$38.00	\$1,641,600
5	6" Stabilized Base	47,000	SY	\$3.00	\$141,000
6	Lime or Cement for Stabilization (27 lbs/SY)	640	TON	\$150.00	\$96,000
7	Monolithic Curb	28,800	LF	\$2.00	\$57,600
8	Sidewalks (5')	72,000	SF	\$3.50	\$252,000
9	Additional Pavement at Median Openings (per side)	6	EA	\$12,800.00	\$76,800
10	ADA Ramps	16	EA	\$1,000.00	\$16,000
11	Hydromulching	34,600	SY	\$1.00	\$34,600
12	Retaining Walls	6,000	SF	\$45.00	\$270,000
13	Top Soil	34,600	SY	\$1.00	\$34,600
14	Pavement Markings & Signage	28,800	LF	\$2.00	\$57,600
15	Traffic Control	12	MON	\$2,000.00	\$24,000
16	Erosion Control	1	LS	\$35,000.00	\$35,000
Paving Subtotal:					\$3,342,000
<b>Drainage Improvements</b>					
1	10' Storm Sewer Inlets	36	EA	\$4,000.00	\$144,000
2	4' x 4' Manholes	11	EA	\$6,000.00	\$66,000
3	Storm Sewer Main (Class III RCP)(24")	5,500	LF	\$65.00	\$357,500
4	Storm Sewer Laterals (Class III RCP)(21")	1,296	LF	\$55.00	\$71,280
5	Culvert 36" RCP	180	LF	\$80.00	\$14,400
6	Headwalls	4	EA	\$10,000.00	\$40,000
Drainage :					\$693,180
<b>Misc. Improvements</b>					
1	Traffic Signal	3	EA	\$200,000.00	\$600,000
2	Street Lights / Foundations / Conduit	36	EA	\$5,500.00	\$198,000
3	Landscaping / Irrigation System	1	EA	\$100,000.00	\$100,000
Misc. Subtotal:					\$898,000
<b>Subtotal Construction Cost Estimate</b>					<b>\$4,934,000.00</b>
<b>Contingency</b>		<b>20%</b>			<b>\$990,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$5,924,000.00</b>
<b>Right-of-Way Cost</b>		648,000	SF	\$1.00	\$648,000.00
<b>Relocations</b>		3	EA	\$150,000.00	\$450,000.00
<b>Permanent Drainage Easement</b>		8,000	SF	\$0.80	\$6,400.00
<b>Temporary Construction Easement</b>		144,000	SF	\$0.20	\$28,800.00
<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>		10	EA	\$6,000.00	\$60,000.00
<b>Engineering Services</b>		8.0%			\$474,000.00
<b>Surveying Services</b>		1.5%			\$88,900.00
<b>Geotechnical Services</b>		0.5%			\$29,700.00
<b>Construction Inspection Services</b>		6.0%			\$355,500.00
<b>Administrative and Legal</b>		0.5%			\$29,700.00
<b>Construction Materials Testing</b>		1.0%			\$59,300.00
<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>					<b>\$8,155,000.00</b>
<b>Total Capital Cost Per Foot</b>					<b>\$1,140.00</b>

Notes:

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
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- City Limits
- Floodplain





# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input checked="" type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements	<b>PROJECT NO. 5</b> <b>W. Martin Road</b> From: S. Bowie Dr. To: RWMH Length: 7,200 <b>PRIORITY RANKING :</b>
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**Existing Conditions:**  
 There is currently no existing roadway between Bowie and RWMH

**Proposed Conditions:**  
 This project would function as a new east/west thoroughfare between S. Bowie and RWMH

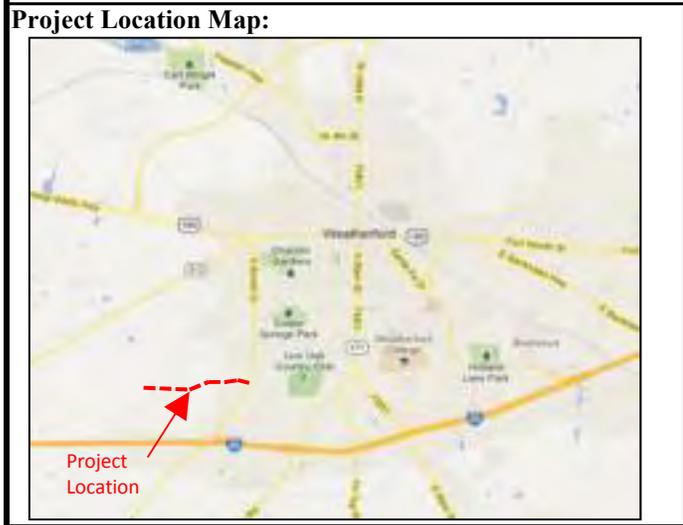
- Key Benefits:**
- 1.) Improves east/west mobility
  - 2.) Ultimately this project would form a full connection from FM 51 to Ric Williamson Memorial Hwy.
  - 3.) Provides access to adjacent property to improve development potential

**Project Scope:**

- On System
- Local Letting
- Environmental Document (Local)
- CLOMR / LOMR
- TxDOT Review and Approval
- Union Pacific Railroad Coordination
- ROW Acquisition
- Conduct Traffic Signal Warrant Study
- TxDOT Access Permit

**Project Schedule:**

	<u>Duration (months)</u>
Design	12
Environmental Permitting (Local)	3
ROW acquisition	6
Utility Relocation	6
Construction	12
<b>Estimated Total (Years):</b>	<b>2.3</b>



**Financial Data:**

Right-of-Way Cost	\$699,200.00
Engineering Services	\$472,600.00
Major Utility Relocation	\$0.00
TxDOT Fee for Review and Letting	\$0.00
City Administrative and Legal	\$23,700.00
Construction Management	\$330,800.00
Construction	\$3,934,000.00
Contingency	\$790,000.00
<b>Total Project Cost</b>	<b>\$6,260,000.00</b>
Escalation	\$5,860,000.00
<b>Bond Program Cost</b>	<b>\$12,120,000.00</b>



**City of Weatherford, Texas**  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**New Road "W. Martin" From S. Bowie Dr to RWMH**  
**February-13**

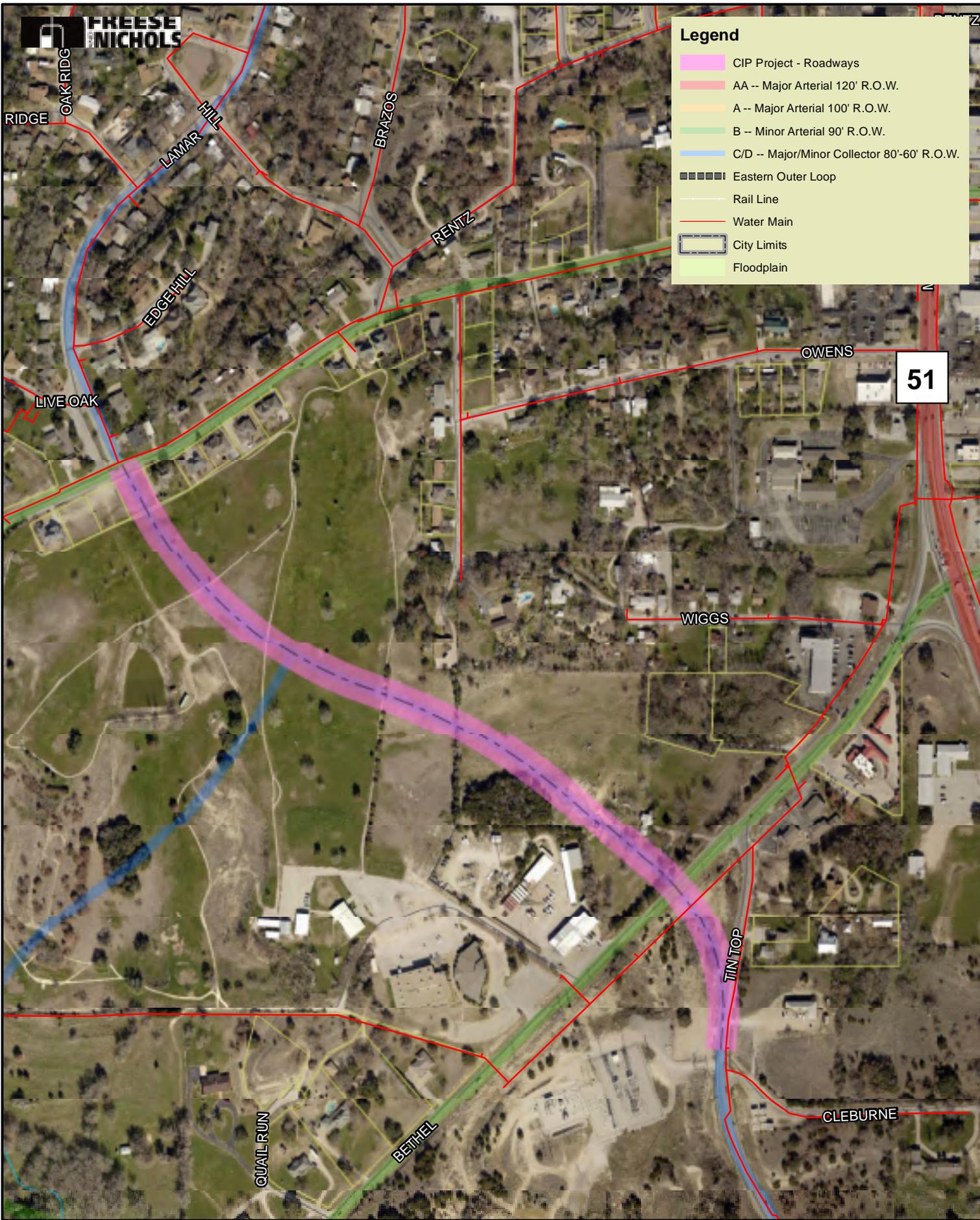
Roadway Description:		Quantity	Unit	Project Limits:	
Roadway Length		6,800	FT	New Road "W. Martin"	
Right-of-Way Width		90	FT	From: S. Bowie Dr	
Roadway Width (One Side B-B)		27	FT	To: RWMH	
Median Width (B-B)		13	FT	Classification:	
				Type "B" Minor Arterial	

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$187,400.00	\$187,400
2	Right of Way Preparation	17	ACRE	\$5,000.00	\$85,000
3	Unclassified Street Excavation	27,200	CY	\$6.00	\$163,200
4	8" Reinforced Concrete Pavement	40,800	SY	\$38.00	\$1,550,400
5	6" Stabilized Base	44,000	SY	\$3.00	\$132,000
6	Lime or Cement for Stabilization (27 lbs/SY)	600	TON	\$150.00	\$90,000
7	Monolithic Curb	27,200	LF	\$2.00	\$54,400
8	Sidewalks (5')	68,000	SF	\$3.50	\$238,000
9	Additional Pavement at Median Openings (per side)	6	EA	\$12,800.00	\$76,800
10	ADA Ramps	16	EA	\$1,000.00	\$16,000
11	Hydromulching	32,700	SY	\$1.00	\$32,700
12	Top Soil	32,700	SY	\$1.00	\$32,700
13	Pavement Markings & Signage	27,200	LF	\$2.00	\$54,400
14	Traffic Control	12	MON	\$2,000.00	\$24,000
15	Erosion Control	1	LS	\$33,000.00	\$33,000
Paving Subtotal:					\$2,770,000
<b>Drainage Improvements</b>					
1	10' Storm Sewer Inlets	34	EA	\$4,000.00	\$136,000
2	4' x 4' Manholes	11	EA	\$6,000.00	\$65,280
3	Storm Sewer Main (Class III RCP)(24")	5,440	LF	\$65.00	\$353,600
4	Storm Sewer Laterals (Class III RCP)(21")	1,224	LF	\$55.00	\$67,320
5	Culvert 36" RCP	180	LF	\$80.00	\$14,400
6	Headwalls	4	EA	\$10,000.00	\$40,000
Drainage :					\$676,600
<b>Misc. Improvements</b>					
1	Traffic Signal	1	EA	\$200,000.00	\$200,000
2	Street Lights / Foundations / Conduit	34	EA	\$5,500.00	\$187,000
3	Landscaping / Irrigation System	1	EA	\$100,000.00	\$100,000
Misc. Subtotal:					\$487,000
<b>Subtotal Construction Cost Estimate</b>		<b>\$3,934,000.00</b>			
<b>Contingency</b>		<b>20%</b>		<b>\$790,000.00</b>	
<b>Total Construction Cost Estimate</b>		<b>\$4,724,000.00</b>			
<b>Right-of-Way Cost</b>		612,000	SF	\$1.00	\$612,000.00
<b>Relocations</b>		-	EA	\$150,000.00	\$0.00
<b>Permanent Drainage Easement</b>		-	SF	\$0.80	\$0.00
<b>Temporary Construction Easement</b>		136,000	SF	\$0.20	\$27,200.00
<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>		10	EA	\$6,000.00	\$60,000.00
<b>Engineering Services</b>		8.0%			\$378,000.00
<b>Surveying Services</b>		1.5%			\$70,900.00
<b>Geotechnical Services</b>		0.5%			\$23,700.00
<b>Construction Inspection Services</b>		6.0%			\$283,500.00
<b>Administrative and Legal</b>		0.5%			\$23,700.00
<b>Construction Materials Testing</b>		1.0%			\$47,300.00
<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>		<b>\$6,260,000.00</b>			
<b>Total Capital Cost Per Foot</b>		<b>\$930.00</b>			
<b>Notes:</b>					

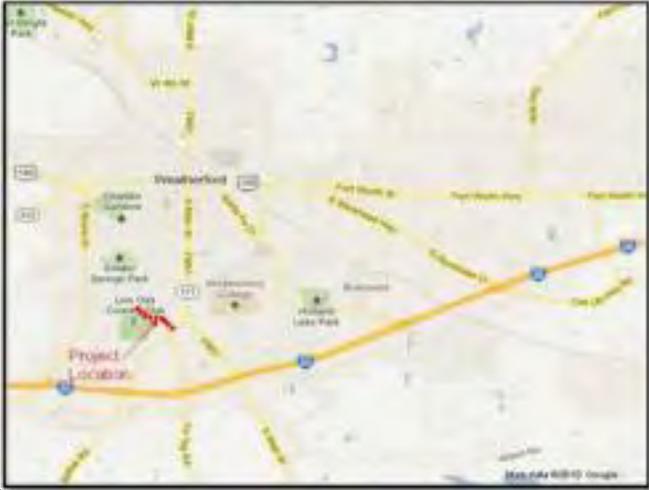
**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
- Water Main
- City Limits
- Floodplain





## City of Weatherford Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input checked="" type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements		PROJECT NO. 6 <b>Tin Top Road Extension</b> From: Bethel Road To: S. Lamar St. Length: 2,800 PRIORITY RANKING :																						
<b>Existing Conditions:</b> There is currently no existing roadway between Bowie and FM 51																								
<b>Proposed Conditions:</b> This project would include and new backage road to IH-20 between Holland Lake Road and Santa Fe Dr.																								
<b>Key Benefits:</b> 1.) Improves east/west mobility 2.) Ultimatly this project would form a full connection from FM 51 to Ric Williamson Memorial Hwy. 3.) Provides access to adjacent property to improve development potential																								
<b>Project Scope:</b> <input type="checkbox"/> On System <input checked="" type="checkbox"/> Local Letting <input checked="" type="checkbox"/> Environmental Document (Local) <input type="checkbox"/> CLOMR / LOMR <input type="checkbox"/> TxDOT Review and Approval <input type="checkbox"/> Union Pacific Railroad Coordination <input checked="" type="checkbox"/> ROW Acquisition <input checked="" type="checkbox"/> Conduct Traffic Signal Warrant Study <input checked="" type="checkbox"/> TxDOT Access Permit	<b>Project Schedule:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right; border-bottom: 1px solid black;"><u>Duration (months)</u></th> </tr> </thead> <tbody> <tr> <td>Design</td> <td style="text-align: right;">10</td> </tr> <tr> <td>Environmental Permitting (Local)</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ROW acquisition</td> <td style="text-align: right;">6</td> </tr> <tr> <td>Utility Relocation</td> <td style="text-align: right;">6</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">10</td> </tr> <tr> <td style="text-align: right;"><b>Estimated Total (Years):</b></td> <td style="text-align: right;"><b>2.1</b></td> </tr> </tbody> </table>			<u>Duration (months)</u>	Design	10	Environmental Permitting (Local)	3	ROW acquisition	6	Utility Relocation	6	Construction	10	<b>Estimated Total (Years):</b>	<b>2.1</b>								
	<u>Duration (months)</u>																							
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<b>Project Location Map:</b> 	<b>Financial Data:</b> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr> <td style="width: 70%;">Right-of-Way Cost</td> <td style="text-align: right;">\$543,200.00</td> </tr> <tr> <td>Engineering Services</td> <td style="text-align: right;">\$210,000.00</td> </tr> <tr> <td>Major Utility Relocation</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>TxDOT Fee for Review and Letting</td> <td style="text-align: right;">\$0.00</td> </tr> <tr> <td>City Adminstrative and Legal</td> <td style="text-align: right;">\$20,000.00</td> </tr> <tr> <td>Construction Management</td> <td style="text-align: right;">\$140,000.00</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">\$1,660,000.00</td> </tr> <tr> <td>Contingency</td> <td style="text-align: right;">\$340,000.00</td> </tr> <tr> <td><b>Total Project Cost</b></td> <td style="text-align: right;"><b>\$2,914,000.00</b></td> </tr> <tr> <td>Escalation</td> <td style="text-align: right;">\$726,000.00</td> </tr> <tr> <td><b>Bond Program Cost</b></td> <td style="text-align: right;"><b>\$3,640,000.00</b></td> </tr> </tbody> </table>		Right-of-Way Cost	\$543,200.00	Engineering Services	\$210,000.00	Major Utility Relocation	\$0.00	TxDOT Fee for Review and Letting	\$0.00	City Adminstrative and Legal	\$20,000.00	Construction Management	\$140,000.00	Construction	\$1,660,000.00	Contingency	\$340,000.00	<b>Total Project Cost</b>	<b>\$2,914,000.00</b>	Escalation	\$726,000.00	<b>Bond Program Cost</b>	<b>\$3,640,000.00</b>
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City of Weatherford, Texas  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**Tin Top From Bethel Rd to S. Lamar St**  
**February-13**

Roadway Description:		Quantity	Unit	Project Limits:	
Roadway Length		2,800	FT	Tin Top Rd	
Right-of-Way Width		80	FT	From: Bethel Rd	
Roadway Width (B-B)		48	FT	To: S. Lamar Street	
				Classification:	
				Type "C" Major Collector	
Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$79,100.00	\$79,100
2	Right of Way Preparation	7	ACRE	\$5,000.00	\$35,000
3	Unclassified Street Excavation	20,000	CY	\$6.00	\$120,000
4	8" Reinforced Concrete Pavement	15,000	SY	\$38.00	\$570,000
5	6" Stabilized Base	16,000	SY	\$3.00	\$48,000
6	Lime or Cement for Stabilization (27 lbs/SY)	220	TON	\$150.00	\$33,000
7	Monolithic Curb	5,600	LF	\$2.00	\$11,200
8	Sidewalks (5')	28,000	SF	\$3.50	\$98,000
9	ADA Ramps	14	EA	\$1,000.00	\$14,000
10	Hydromulching	12,000	SY	\$1.00	\$12,000
11	Top Soil	12,000	SY	\$3.00	\$36,000
12	Pavement Markings & Signage	11,200	LF	\$2.00	\$22,400
13	Traffic Control	7	MON	\$2,000.00	\$14,000
14	Erosion Control	1	LS	\$14,000.00	\$14,000
Paving Subtotal:					\$1,107,000
<b>Drainage Improvements</b>					
1	10' Storm Sewer Inlets	14	EA	\$4,000.00	\$56,000
2	4' x 4' Manholes	4	EA	\$6,000.00	\$21,000
3	Storm Sewer Main (Class III RCP)(24")	1,750	LF	\$65.00	\$113,750
4	Storm Sewer Laterals (Class III RCP)(21")	350	LF	\$55.00	\$19,250
5	Culvert 36" RCP	160	LF	\$80.00	\$12,800
6	SET 36" Perpendicular Drainage	4	EA	\$5,000.00	\$20,000
Drainage :					\$242,800
<b>Misc. Improvements</b>					
1	Traffic Signal	1	EA	\$200,000.00	\$200,000
2	Street Lights / Foundations / Conduit	20	EA	\$5,500.00	\$110,000
Misc. Subtotal:					\$310,000
<b>Subtotal Construction Cost Estimate</b>					<b>\$1,660,000.00</b>
<b>Contingency</b>		<b>20%</b>			<b>\$340,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$2,000,000.00</b>
	Right-of-Way Cost	202,000	SF	\$1.00	\$202,000.00
	Relocation	2	EA	\$150,000.00	\$300,000.00
	Permanent Drainage Easement	-	SF	\$0.80	\$0.00
	Temporary Construction Easement	56,000	SF	\$0.20	\$11,200.00
	Cost Per Parcel (Land Agent / Survey / Legal)	5	EA	\$6,000.00	\$30,000.00
	Engineering Services	8.0%			\$160,000.00
	Surveying Services	2.0%			\$40,000.00
	Geotechnical Services	0.5%			\$10,000.00
	Construction Inspection Services	6.0%			\$120,000.00
	Administrative and Legal	1.0%			\$20,000.00
	Construction Materials Testing	1.0%			\$20,000.00
	<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>				<b>\$2,914,000.00</b>
	<b>Total Capital Cost Per Foot</b>				<b>\$1,050.00</b>
<b>Notes:</b>					

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
- Water Main
- City Limits
- Floodplain



CIP Project 7b



CIP Project 7a



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input checked="" type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements		PROJECT NO. 7a <b>BB. Fielder Extension</b> From: Existing BB Fielder To: Extension of RWMH Length: 7,800 PRIORITY RANKING :																						
<b>Existing Conditions:</b> The Existing BB Fielder Road extends from Bethel Road and end approximately 2,600 LF from Old Dennis Road																								
<b>Proposed Conditions:</b> This project would extend BB Fielder Road through Old Dennis and extend to the west to connect to the proposed RWMH extension project 7b.																								
<b>Key Benefits:</b> 1.) Improves east/west mobility 2.) This project would ultimately provide a full east/west connection loop from the new RWMH to IH-20 east of FM 171. 3.) Provides access to adjacent property to improve development potential																								
<b>Project Scope:</b> <input type="checkbox"/> On System <input checked="" type="checkbox"/> Local Letting <input checked="" type="checkbox"/> Environmental Document (Local) <input type="checkbox"/> CLOMR / LOMR <input type="checkbox"/> TxDOT Review and Approval <input type="checkbox"/> Union Pacific Railroad Coordination <input checked="" type="checkbox"/> ROW Acquisition <input checked="" type="checkbox"/> Conduct Traffic Signal Warrant Study <input type="checkbox"/> TxDOT Access Permit	<b>Project Schedule:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right; border-bottom: 1px solid black;"><u>Duration (months)</u></th> </tr> </thead> <tbody> <tr> <td>Design</td> <td style="text-align: right;">12</td> </tr> <tr> <td>Environmental Permitting (Local)</td> <td style="text-align: right;">3</td> </tr> <tr> <td>ROW acquisition</td> <td style="text-align: right;">6</td> </tr> <tr> <td>Utility Relocation</td> <td style="text-align: right;">6</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">14</td> </tr> <tr> <td style="text-align: right;"><b>Estimated Total (Years):</b></td> <td style="text-align: right;"><b>2.4</b></td> </tr> </tbody> </table>			<u>Duration (months)</u>	Design	12	Environmental Permitting (Local)	3	ROW acquisition	6	Utility Relocation	6	Construction	14	<b>Estimated Total (Years):</b>	<b>2.4</b>								
	<u>Duration (months)</u>																							
Design	12																							
Environmental Permitting (Local)	3																							
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<b>Bond Program Cost</b>	<b>\$8,250,000.00</b>																							



**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
- Water Main
- City Limits
- Floodplain



CIP Project 7b

CIP Project 7a



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements	<b>PROJECT NO. 7b</b> <b>RWMH Extension</b> From: Existing RWMH To: BB Fielder Road Length: 1,000 <b>PRIORITY RANKING :</b>
--	--

**Existing Conditions:**  
 The RWMH project that Parker County is developing will end approximately 300 feet south of IH-20.

**Proposed Conditions:**  
 This project will extend RWMH south approximately 1,000 feet to connect to the proposed BB Fielder Road extension

- Key Benefits:**
- 1.) This project would ultimately provide a full east/west connection loop from the new RWMH to IH-20 east of FM 171.
  - 2.) Provides access to adjacent property to improve development potential

**Project Scope:**

- On System
- Local Letting
- Environmental Document (Local)
- CLOMR / LOMR
- TxDOT Review and Approval
- Union Pacific Railroad Coordination
- ROW Acquisition
- Conduct Traffic Signal Warrant Study
- TxDOT Access Permit

**Project Schedule:**

	<u>Duration (months)</u>
Design	6
Environmental Permitting (Local)	3
ROW acquisition	6
Utility Relocation	0
Construction	6
<b>Estimated Total (Years):</b>	<b>1.3</b>



**Financial Data:**

Right-of-Way Cost	\$116,000.00
Engineering Services	\$83,900.00
Major Utility Relocation	\$0.00
TxDOT Fee for Review and Letting	\$0.00
City Administrative and Legal	\$8,000.00
Construction Management	\$55,900.00
Construction	\$658,000.00
Contingency	\$140,000.00
<b>Total Project Cost</b>	<b>\$1,070,000.00</b>
Escalation	\$270,000.00
<b>Bond Program Cost</b>	<b>\$1,340,000.00</b>



**City of Weatherford, Texas**  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**Western Loop From BB Fielder to I-20**  
**February-13**

Roadway Description:		Quantity	Unit	Project Limits:	
Roadway Length		1,000	FT	Western Loop	
Right-of-Way Width		100	FT	From: B.B. Fielder	
Roadway Width (One Side B-B)		34	FT	To: Existing RWMH	
Median Width (B-B)		13	FT	Classification: Type "A" Major Arterial	

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$31,300.00	\$31,300
2	Right of Way Preparation	3	ACRE	\$5,000.00	\$15,000
3	Unclassified Street Excavation	1,800	CY	\$6.00	\$10,800
4	8" Reinforced Concrete Pavement	7,600	SY	\$38.00	\$288,800
5	6" Stabilized Base	8,000	SY	\$3.00	\$24,000
6	Lime or Cement for Stabilization (27 lbs/SY)	110	TON	\$150.00	\$16,500
7	Monolithic Curb	4,000	LF	\$2.00	\$8,000
8	Sidewalks (5')	10,000	SF	\$3.50	\$35,000
9	Additional Pavement at Median Openings (per side)	2	EA	\$12,800.00	\$25,600
10	ADA Ramps	4	EA	\$1,000.00	\$4,000
11	Hydromulching	4,300	SY	\$1.00	\$4,300
12	Top Soil	4,300	SY	\$3.00	\$12,900
13	Pavement Markings & Signage	4,000	LF	\$2.00	\$8,000
14	Traffic Control	7	MON	\$2,000.00	\$14,000
15	Erosion Control	1	LS	\$5,000.00	\$5,000
Paving Subtotal:					\$504,000
<b>Drainage Improvements</b>					
1	10' Storm Sewer Inlets	5	EA	\$4,000.00	\$20,000
2	4' x 4' Manholes	2	EA	\$6,000.00	\$9,600
3	Storm Sewer Main (Class III RCP)(24")	800	LF	\$65.00	\$52,000
4	Storm Sewer Laterals (Class III RCP)(21")	180	LF	\$55.00	\$9,900
5	Culvert 36" RCP	100	LF	\$80.00	\$8,000
6	SET 36" Perpendicular Drainage	2	EA	\$5,000.00	\$10,000
Drainage :					\$109,500
<b>Misc. Improvements</b>					
1	Street Lights / Foundations / Conduit	8.00	EA	\$5,500.00	\$44,000
Misc. Subtotal:					\$44,000
<b>Subtotal Construction Cost Estimate</b>					<b>\$658,000.00</b>
<b>Contingency</b>		<b>20%</b>			<b>\$140,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$798,000.00</b>
<b>Right-of-Way Cost</b>		100,000	SF	\$1.00	<b>\$100,000.00</b>
<b>Permanent Drainage Easement</b>		-	SF	\$0.80	<b>\$0.00</b>
<b>Temporary Construction Easement</b>		20,000	SF	\$0.20	<b>\$4,000.00</b>
<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>		2	EA	\$6,000.00	<b>\$12,000.00</b>
<b>Engineering Services</b>		8.0%			<b>\$63,900.00</b>
<b>Surveying Services</b>		2.0%			<b>\$16,000.00</b>
<b>Geotechnical Services</b>		0.5%			<b>\$4,000.00</b>
<b>Construction Inspection Services</b>		6.0%			<b>\$47,900.00</b>
<b>Administrative and Legal</b>		1.0%			<b>\$8,000.00</b>
<b>Construction Materials Testing</b>		1.0%			<b>\$8,000.00</b>
<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>					<b>\$1,070,000.00</b>
<b>Total Capital Cost Per Foot</b>					<b>\$1,070.00</b>
<b>Notes:</b>					

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
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- Water Main
- City Limits
- Floodplain



CIP Project 8b

CIP Project 8a



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements	<b>PROJECT NO. 8a</b> <b>EB IH-20 Frontage Road (West)</b> From: RWMH To: Old Dennis Road Length: 4,100 <b>PRIORITY RANKING :</b>
--	--

**Existing Conditions:**  
 The RWMH Interchange Project will includes 1,500 LF of two-lane frontage road

**Proposed Conditions:**  
 This project would extend the eastbound frontage road to the east to connect to the existing frontage road at Old Dennis/Bowie Dr.

**Key Benefits:**  
 1.) Provides access to adjacent property to improve development potential

**Project Scope:**

- On System
- Local Letting
- Environmental Document (CE)
- CLOMR / LOMR
- TxDOT Review and Approval
- Union Pacific Railroad Coordination
- ROW Acquisition
- Conduct Traffic Signal Warrant Study
- TxDOT Access Permit

**Project Schedule:**

	<u>Duration (months)</u>
Design	12
Environmental Permitting (CE)	8
ROW acquisition	0
Utility Relocation	6
Construction	10
<b>Estimated Total (Years):</b>	<b>2.0</b>



**Financial Data:**

Right-of-Way Cost	\$0.00
Engineering Services	\$324,000.00
Major Utility Relocation	\$0.00
TxDOT Fee for Review and Letting	\$356,400.00
City Administrative and Legal	\$32,400.00
Construction Management	\$0.00
Construction	\$2,700,000.00
Contingency	\$540,000.00
<b>Total Project Cost</b>	<b>\$3,960,000.00</b>
Escalation	\$3,710,000.00
<b>Bond Program Cost</b>	<b>\$7,670,000.00</b>



City of Weatherford, Texas  
 Engineer's Opinion of Probable Construction Cost Estimate  
 EB Frontage Road  
 February-13

Roadway Description:	Quantity	Unit	Project Limits:	
Roadway Length each Frontage Road	4,100	FT		
Right-of-Way Width each Frontage Road	60	FT	From: S. Bowie Dr	
Roadway Width each Frontage Road	34	FT	To: RWMH	
			<u>Classification:</u> Frontage Road	

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$128,500.00	\$128,500
2	Right of Way Preparation	11	ACRE	\$5,000.00	\$55,000
3	Unclassified Street Excavation	11,000	CY	\$6.00	\$66,000
4	Embankment	4,000	CY	\$6.00	\$24,000
5	10" Reinforced Concrete Pavement	31,000	SY	\$45.00	\$1,395,000
6	8" Stabilized Base	31,000	SY	\$3.50	\$108,500
7	Lime or Cement for Stabilization (27 lbs/SY)	580	TON	\$150.00	\$87,000
8	Monolithic Curb	8,200	LF	\$2.00	\$16,400
9	Sidewalks	24,600	SF	\$5.00	\$123,000
10	Hydromulching	14,300	SY	\$1.00	\$14,300
11	Top Soil	14,300	SY	\$3.00	\$42,900
12	Guardrail	100	LF	\$30.00	\$3,000
13	Pavement Markings & Signage	24,600	LF	\$2.00	\$49,200
14	Traffic Control	10	MON	\$4,000.00	\$40,000
15	Erosion Control	1	LS	\$12,000.00	\$12,000
Paving Subtotal:					\$2,164,800
<b>Drainage Improvements</b>					
1	Curb Inlets (All Sizes)	20	EA	\$2,600.00	\$52,000
2	Lateral Storm Drain Pipe (21")	300	LF	\$65.00	\$19,500
3	Storm Sewer Main (Class III RCP)(24")	2,800	LF	\$80.00	\$224,000
6	Culvert (8'x6') (Cross Drainage)	60	LF	\$300.00	\$18,000
7	Headwalls	2	EA	\$10,000.00	\$20,000
Drainage Subtotal:					\$333,500
<b>Misc. Improvements</b>					
1	Traffic Signals	1	EA	\$200,000.00	\$200,000
Misc. Subtotal:					\$200,000
<b>Subtotal Construction Cost Estimate</b>					<b>\$2,700,000.00</b>
<b>Contingency</b>					<b>20%</b> <b>\$540,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$3,240,000.00</b>
	<b>Right-of-Way Cost</b>				N/A
	<b>Permanent Drainage Easement</b>				N/A
	<b>Temporary Construction Easement</b>				N/A
	<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>				N/A
	<b>Engineering Services</b>	8.0%			\$259,200.00
	<b>Surveying Services</b>	1.5%			\$48,600.00
	<b>Geotechnical Services</b>	0.5%			\$16,200.00
	<b>Construction Inspection Services</b>	10.0%			\$324,000.00
	<b>Administrative and Legal</b>	1.0%			\$32,400.00
	<b>Construction Materials Testing</b>	1.0%			\$32,400.00
	<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>				<b>\$3,960,000.00</b>
	<b>Total Capital Cost Per Foot</b>				<b>\$490.00</b>
<b>Notes:</b>					

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
- Water Main
- City Limits
- Floodplain



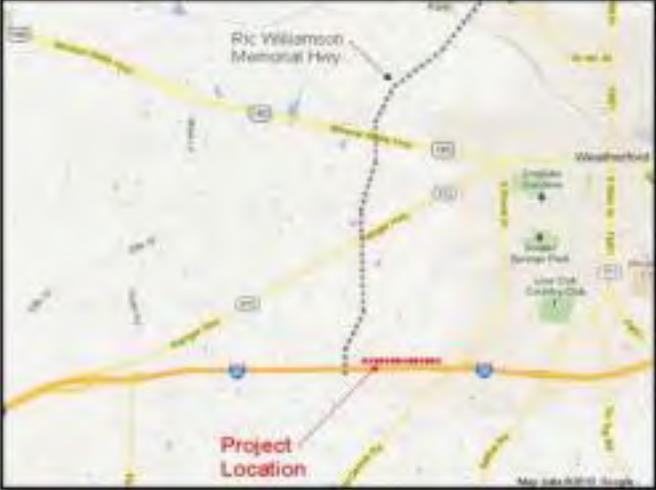
**CIP Project 8b**

**CIP Project 8a**



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input checked="" type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements		PROJECT NO. <b>8b</b> <b>WB IH-20 Frontage Road (West)</b> From: RWMH To: Old Dennis Road Length: 3,900 PRIORITY RANKING :																						
<b>Existing Conditions:</b> The RWMH Interchange Project will includes 1,600 LF of two-lane frontage road																								
<b>Proposed Conditions:</b> This project would extend the westbound frontage road to the east to connect to the existing frontage road at Old Dennis/Bowie Dr.																								
<b>Key Benefits:</b> 1.) Provides access to adjacent property to improve development potential																								
<b>Project Scope:</b> <input checked="" type="checkbox"/> On System <input type="checkbox"/> Local Letting <input checked="" type="checkbox"/> Environmental Document (CE) <input type="checkbox"/> CLOMR / LOMR <input checked="" type="checkbox"/> TxDOT Review and Approval <input type="checkbox"/> Union Pacific Railroad Coordination <input type="checkbox"/> ROW Acquisition <input checked="" type="checkbox"/> Conduct Traffic Signal Warrant Study <input type="checkbox"/> TxDOT Access Permit	<b>Project Schedule:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right; border-bottom: 1px solid black;"><u>Duration (months)</u></th> </tr> </thead> <tbody> <tr><td>Design</td><td style="text-align: right;">12</td></tr> <tr><td>Environmental Permitting (CE)</td><td style="text-align: right;">8</td></tr> <tr><td>ROW acquisition</td><td style="text-align: right;">0</td></tr> <tr><td>Utility Relocation</td><td style="text-align: right;">6</td></tr> <tr><td>Construction</td><td style="text-align: right;">10</td></tr> <tr><td colspan="2" style="text-align: right;"><b>Estimated Total (Years):</b></td></tr> <tr><td colspan="2" style="text-align: right;"><b>2.0</b></td></tr> </tbody> </table>			<u>Duration (months)</u>	Design	12	Environmental Permitting (CE)	8	ROW acquisition	0	Utility Relocation	6	Construction	10	<b>Estimated Total (Years):</b>		<b>2.0</b>							
	<u>Duration (months)</u>																							
Design	12																							
Environmental Permitting (CE)	8																							
ROW acquisition	0																							
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<b>2.0</b>																								
<b>Project Location Map:</b> 	<b>Financial Data:</b> <table style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>Right-of-Way Cost</td><td style="text-align: right;">\$0.00</td></tr> <tr><td>Engineering Services</td><td style="text-align: right;">\$306,000.00</td></tr> <tr><td>Major Utility Relocation</td><td style="text-align: right;">\$0.00</td></tr> <tr><td>TxDOT Fee for Review and Letting</td><td style="text-align: right;">\$336,600.00</td></tr> <tr><td>City Administrative and Legal</td><td style="text-align: right;">\$30,600.00</td></tr> <tr><td>Construction Management</td><td style="text-align: right;">\$0.00</td></tr> <tr><td>Construction</td><td style="text-align: right;">\$2,550,000.00</td></tr> <tr><td>Contingency</td><td style="text-align: right;">\$510,000.00</td></tr> <tr><td><b>Total Project Cost</b></td><td style="text-align: right;"><b>\$3,740,000.00</b></td></tr> <tr><td>Escalation</td><td style="text-align: right;">\$3,500,000.00</td></tr> <tr><td><b>Bond Program Cost</b></td><td style="text-align: right;"><b>\$7,240,000.00</b></td></tr> </tbody> </table>		Right-of-Way Cost	\$0.00	Engineering Services	\$306,000.00	Major Utility Relocation	\$0.00	TxDOT Fee for Review and Letting	\$336,600.00	City Administrative and Legal	\$30,600.00	Construction Management	\$0.00	Construction	\$2,550,000.00	Contingency	\$510,000.00	<b>Total Project Cost</b>	<b>\$3,740,000.00</b>	Escalation	\$3,500,000.00	<b>Bond Program Cost</b>	<b>\$7,240,000.00</b>
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City of Weatherford, Texas  
 Engineer's Opinion of Probable Construction Cost Estimate  
 WB Frontage Road  
 February-13

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Roadway Description:</b>		Quantity	Unit	<b>Project Limits:</b>	
	Roadway Length each Frontage Road	3,900	FT		
	Right-of-Way Width each Frontage Road	60	FT		From: S. Bowie Dr
	Roadway Width each Frontage Road	34	FT		To: Western Loop
			FT	<b>Classification:</b>	
				Frontage Road	
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$121,500.00	\$121,500
2	Right of Way Preparation	10	ACRE	\$5,000.00	\$50,000
3	Unclassified Street Excavation	10,000	CY	\$6.00	\$60,000
4	Embankment	4,000	CY	\$6.00	\$24,000
5	10" Reinforced Concrete Pavement	29,500	SY	\$44.00	\$1,298,000
6	8" Stabilized Base	29,500	SY	\$3.50	\$103,250
7	Lime or Cement for Stabilization (27 lbs/SY)	550	TON	\$150.00	\$82,500
8	Sidewalk	23,400	SF	\$5.00	\$117,000
9	Monolithic Curb	7,800	LF	\$2.00	\$15,600
10	Hydromulching	13,600	SY	\$1.00	\$13,600
11	Top Soil	13,600	SY	\$3.00	\$40,800
12	Guardrail	100	LF	\$30.00	\$3,000
13	Pavement Markings & Signage	23,400	LF	\$2.00	\$46,800
14	Traffic Control	7	MON	\$4,000.00	\$28,000
15	Erosion Control	1	LS	\$12,000.00	\$12,000
Paving Subtotal:					\$2,016,050
<b>Drainage Improvements</b>					
1	Curb Inlets (All Sizes)	20	EA	\$2,600.00	\$52,000
3	Lateral Storm Drain Pipe (21")	300	LF	\$65.00	\$19,500
4	Storm Sewer Main (Class III RCP)(24")	2,800	LF	\$80.00	\$224,000
5	Culvert (8'x6') (Cross Drainage)	60	LF	\$300.00	\$18,000
7	Headwalls	2	EA	\$10,000.00	\$20,000
Drainage Subtotal:					\$333,500
<b>Misc. Improvements</b>					
1	Traffic Signals	1	EA	\$200,000.00	\$200,000
Misc. Subtotal:					\$200,000
<b>Subtotal Construction Cost Estimate</b>					<b>\$2,550,000.00</b>
<b>Contingency</b>					<b>20%</b> <b>\$510,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$3,060,000.00</b>
	<b>Right-of-Way Cost</b>	N/A			
	<b>Permanent Drainage Easement</b>	N/A			
	<b>Temporary Construction Easement</b>	N/A			
	<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>	N/A			
	<b>Engineering Services</b>	8.0%			\$244,800.00
	<b>Surveying Services</b>	1.5%			\$45,900.00
	<b>Geotechnical Services</b>	0.5%			\$15,300.00
	<b>Construction Inspection Services</b>	10.0%			\$306,000.00
	<b>Administrative and Legal</b>	1.0%			\$30,600.00
	<b>Construction Materials Testing</b>	1.0%			\$30,600.00
	<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>				<b>\$3,740,000.00</b>
	<b>Total Capital Cost Per Foot</b>				<b>\$480.00</b>
<b>Notes:</b>					

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
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**CIP Project #9 - Downtown Square  
Thoroughfare Plan Update**

February 2013

0 150 300 Feet



City of Weatherford, Texas  
 Engineer's Opinion of Probable Construction Cost Estimate  
 Downtown Square Area Improvements  
 April-13

<b>Roadway Description:</b>	Quantity	Unit	Project Limits:
Project Length	2,250	FT	Downtown Square Area
Right-of-Way Width	Varies	FT	From: NA
Roadway Width (B-B)	41	FT	To: NA
			<u>Classification:</u>
			Access & Ped. Improvments

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
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Paving Improvements					
1	Mobilization (5% of Construction Cost)	1	LS	\$66,300.00	\$66,300
2	Remove Existing Pavement	12,750	SY	\$4.00	\$51,000
3	7" Reinforced Concrete Pavement	10,250	SY	\$36.00	\$369,000
4	6" Stabilized Base	11,275	SY	\$3.00	\$33,825
5	Lime or Cement for Stabilization (27 lbs/SY)	160	TON	\$150.00	\$24,000
6	Stamped and Stained Crosswalks	300	SY	\$90.00	\$27,000
7	Monolithic Curb	4,500	LF	\$2.00	\$9,000
8	Sidewalks (5')	22,500	SF	\$3.50	\$78,750
9	Decorative Pavers	4,000	SF	\$11.50	\$46,000
10	ADA Ramps	40	EA	\$1,000.00	\$40,000
11	Landscaping Pots	48	SY	\$500.00	\$24,000
12	TreeWells	56	EA	\$1,200.00	\$67,200
13	Pavement Markings & Signage	2,250	LF	\$2.00	\$4,500
14	Traffic Control	10	MON	\$3,000.00	\$30,000
15	Erosion Control	1	LS	\$15,000.00	\$15,000
Paving Subtotal:					\$886,000

Drainage Improvements					
1	Drainage Improvements (15%)	1	LS	\$130,000.00	\$130,000
Drainage :					\$130,000

Misc. Improvements					
1	Landscaping and Irrigation	1	LS	\$100,000.00	\$100,000
2	Decorative Street Lights	46	EA	\$6,000.00	\$276,000
Misc. Subtotal:					\$376,000

<b>Subtotal Construction Cost Estimate</b>		<b>\$1,392,000.00</b>			
<b>Contingency</b>		<b>20%</b>		<b>\$280,000.00</b>	
<b>Total Construction Cost Estimate</b>		<b>\$1,672,000.00</b>			

	Right-of-Way Cost	N/A		
	Permanent Drainage Easement	N/A		
	Temporary Construction Easement	N/A		
	Cost Per Parcel (Land Agent / Survey / Legal)	N/A		
	Engineering Services	8.0%		\$133,800.00
	Surveying Services	2.0%		\$33,500.00
	Geotechnical Services	0.5%		\$8,400.00
	Construction Inspection Services	6.0%		\$100,400.00
	Administrative and Legal	1.0%		\$16,800.00
	Construction Materials Testing	1.0%		\$16,800.00
	<b>Total Capital Cost (Based on Unit Prices for April 2013)</b>			<b>\$1,990,000.00</b>
	<b>Total Capital Cost Per Foot</b>			<b>\$890.00</b>

Notes:



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements		<b>PROJECT NO. 9</b> <b>Downtown Improvements</b> From: Varies To: Varies Length: 2,250 <b>PRIORITY RANKING :</b>																						
<b>Existing Conditions:</b> Asphalt road with concrete sidewalks with no existing pedestrian ramps.																								
<b>Proposed Conditions:</b> This project includes downtown paving improvements with modifications to traffic flow and pedestrian improvements																								
<b>Key Benefits:</b> 1.) Improves traffic flow through the downtown area 2.) Pedestrian Improvements																								
<b>Project Scope:</b> <input type="checkbox"/> On System <input checked="" type="checkbox"/> Local Letting <input checked="" type="checkbox"/> Environmental Document (THC) <input type="checkbox"/> CLOMR / LOMR <input type="checkbox"/> TxDOT Review and Approval <input type="checkbox"/> Union Pacific Railroad Coordination <input type="checkbox"/> ROW Acquisition <input type="checkbox"/> Conduct Traffic Signal Warrant Study <input type="checkbox"/> TxDOT Access Permit	<b>Project Schedule:</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 80%;"></th> <th style="text-align: right; border-bottom: 1px solid black;">Duration (months)</th> </tr> </thead> <tbody> <tr> <td>Design</td> <td style="text-align: right;">8</td> </tr> <tr> <td>Environmental Permitting (THC)</td> <td style="text-align: right;">6</td> </tr> <tr> <td>ROW acquisition</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Utility Relocation</td> <td style="text-align: right;">0</td> </tr> <tr> <td>Construction</td> <td style="text-align: right;">10</td> </tr> <tr> <td style="text-align: right;"><b>Estimated Total (Years):</b></td> <td style="text-align: right;"><b>1.3</b></td> </tr> </tbody> </table>			Duration (months)	Design	8	Environmental Permitting (THC)	6	ROW acquisition	0	Utility Relocation	0	Construction	10	<b>Estimated Total (Years):</b>	<b>1.3</b>								
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Escalation	\$490,000.00																							
<b>Bond Program Cost</b>	<b>\$2,480,000.00</b>																							



City of Weatherford, Texas  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**Downtown Loop - Sante Fe Dr / US 180 to Main St / Bridge St**  
**April-13**

Roadway Description:		Quantity	Unit	Project Limits:	
Project Length		1,700	FT	Downtown Square Area	
Right-of-Way Width		Varies	FT	From: NA	
Roadway Width (B-B)		49	FT	To: NA	
				<u>Classification:</u>	
				Access & Ped. Improvements	
Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$69,200.00	\$69,200
2	Remove Existing Concrete	13,690	SY	\$5.00	\$68,450
3	8" Reinforced Concrete Pavement	11,800	SY	\$38.00	\$448,400
4	6" Stabilized Base	12,980	SY	\$3.00	\$38,940
5	Lime or Cement for Stabilization (27 lbs/SY)	180	TON	\$150.00	\$27,000
6	Stamped and Stained Crosswalks	300	SY	\$90.00	\$27,000
7	Monolithic Curb	3,400	LF	\$2.00	\$6,800
8	Sidewalks (5')	17,000	SF	\$3.50	\$59,500
9	Decorative Pavers	500	SF	\$12.00	\$6,000
10	ADA Ramps	20	EA	\$1,000.00	\$20,000
11	Pavement Markings & Signage	1,700	LF	\$2.00	\$3,400
12	Traffic Control	10	MON	\$4,000.00	\$40,000
13	Erosion Control	1	LS	\$4,000.00	\$4,000
Paving Subtotal:					\$819,000
<b>Drainage Improvements</b>					
1	Drainage Improvements (15%)	1	LS	\$130,000.00	\$130,000
Drainage :					\$130,000
<b>Misc. Improvements</b>					
1	Landscaping and Irrigation	1	LS	\$100,000.00	\$100,000
2	Traffic Signal	1	EA	\$200,000.00	\$200,000
3	Decorative Streetlights	34	EA	\$6,000.00	\$204,000
Misc. Subtotal:					\$504,000
<b>Subtotal Construction Cost Estimate</b>					<b>\$1,453,000.00</b>
<b>Contingency</b>		<b>20%</b>			<b>\$300,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$1,753,000.00</b>
	<b>Right-of-Way Cost</b>	111,000	SF	\$3.00	\$333,000.00
	<b>Relocation</b>	4		\$200,000.00	\$800,000.00
	<b>Permanent Drainage Easement</b>	-	SF	\$0.80	\$0.00
	<b>Temporary Construction Easement</b>	-	SF	\$0.20	\$0.00
	<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>	4	EA	\$10,000.00	\$40,000.00
	<b>Engineering Services</b>	10.0%			\$175,300.00
	<b>Surveying Services</b>	2.0%			\$35,100.00
	<b>Geotechnical Services</b>	0.5%			\$8,800.00
	<b>Construction Inspection Services</b>	6.0%			\$105,200.00
	<b>Administrative and Legal</b>	1.0%			\$17,600.00
	<b>Construction Materials Testing</b>	1.0%			\$17,600.00
	<b>Total Capital Cost (Based on Unit Prices for April 2013)</b>				<b>\$3,290,000.00</b>
	<b>Total Capital Cost Per Foot</b>				<b>\$1,940.00</b>
<i>Notes:</i>					



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements		<b>PROJECT NO. 9</b> <b>Downtown Loop Sante Fe / US 180 to Main St / Bridge St</b> From: Varies To: Varies Length: 2,250 <b>PRIORITY RANKING :</b>																						
<b>Existing Conditions:</b> Existing 4 lane road along Sante Fe Dr, existing 2 lane road along Bridge St.																								
<b>Proposed Conditions:</b> This project includes 4 lane concrete road with sidewalks, street trees and other pedestrian amenities. ROW acquisition will be needed to complete proposed loop.																								
<b>Key Benefits:</b> 1.) Improves traffic flow through the downtown area 2.) Pedestrains Improvements																								
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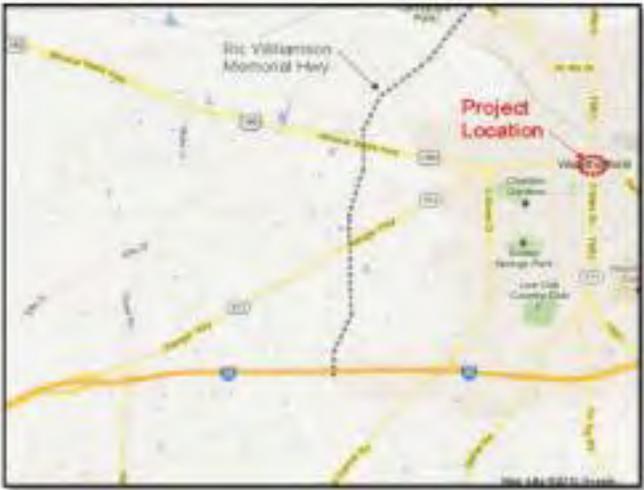
**City of Weatherford, Texas**  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**Downtown Loop - Main St / Bridge St to Alamo / US 180**  
**April-13**

Roadway Description:		Quantity	Unit	Project Limits:	
Project Length		1,700	FT	Downtown Square Area	
Right-of-Way Width		Varies	FT	From: NA	
Roadway Width (B-B)		49	FT	To: NA	
				<u>Classification:</u>	
				Access & Ped. Improvements	
Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$73,800.00	\$73,800
2	Remove Existing Concrete	15,590	SY	\$5.00	\$77,950
3	8" Reinforced Concrete Pavement	13,700	SY	\$38.00	\$520,600
4	6" Stabilized Base	15,070	SY	\$3.00	\$45,210
5	Lime or Cement for Stabilization (27 lbs/SY)	210	TON	\$150.00	\$31,500
6	Stamped and Stained Crosswalks	300	SY	\$90.00	\$27,000
7	Monolithic Curb	3,400	LF	\$2.00	\$6,800
8	Sidewalks (5')	17,000	SF	\$3.50	\$59,500
9	Decorative Pavers	500	SF	\$12.00	\$6,000
10	ADA Ramps	20	EA	\$1,000.00	\$20,000
11	Pavement Markings & Signage	1,700	LF	\$2.00	\$3,400
12	Traffic Control	10	MON	\$4,000.00	\$40,000
13	Erosion Control	1	LS	\$4,000.00	\$4,000
Paving Subtotal:					\$916,000
<b>Drainage Improvements</b>					
1	Drainage Improvements (15%)	1	LS	\$130,000.00	\$130,000
Drainage :					\$130,000
<b>Misc. Improvements</b>					
1	Landscaping and Irrigation	1	LS	\$100,000.00	\$100,000
2	Traffic Signal	1	EA	\$200,000.00	\$200,000
3	Decorative Streetlights	34	EA	\$6,000.00	\$204,000
Misc. Subtotal:					\$504,000
<b>Subtotal Construction Cost Estimate</b>					<b>\$1,550,000.00</b>
<b>Contingency</b>		<b>20%</b>			<b>\$310,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$1,860,000.00</b>
<b>Right-of-Way Cost</b>		75,000	SF	\$3.00	\$225,000.00
<b>Relocation</b>		8		\$200,000.00	\$1,600,000.00
<b>Permanent Drainage Easement</b>		-	SF	\$0.80	\$0.00
<b>Temporary Construction Easement</b>		-	SF	\$0.20	\$0.00
<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>		8	EA	\$10,000.00	\$80,000.00
<b>Engineering Services</b>		10.0%			\$186,000.00
<b>Surveying Services</b>		2.0%			\$37,200.00
<b>Geotechnical Services</b>		0.5%			\$9,300.00
<b>Construction Inspection Services</b>		6.0%			\$111,600.00
<b>Administrative and Legal</b>		1.0%			\$18,600.00
<b>Construction Materials Testing</b>		1.0%			\$18,600.00
<b>Total Capital Cost (Based on Unit Prices for April 2013)</b>					<b>\$4,150,000.00</b>
<b>Total Capital Cost Per Foot</b>					<b>\$2,450.00</b>
<b>Notes:</b>					



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements		<b>PROJECT NO. 9</b> <b>Downtown Loop Main St / Bridge St to Alamo St / US 180</b> From: Varies To: Varies Length: 2,250 <b>PRIORITY RANKING :</b>																						
<b>Existing Conditions:</b> Existing 2 lane road along Alamo St, existing 2 lane road along Bridge St.																								
<b>Proposed Conditions:</b> This project includes 4 lane concrete road with sidewalks, street trees and other pedestrian amenities. ROW acquisition will be needed to complete proposed loop.																								
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**City of Weatherford, Texas**  
**Engineer's Opinion of Probable Construction Cost Estimate**  
**Downtown Parking**  
**April-13**

Roadway Description:		Quantity	Unit	Project Limits:	
Project Length		1,000	FT	Downtown Square Area	
Right-of-Way Width		Varies	FT	From: NA	
Roadway Width (B-B)		50	FT	To: NA	
				<u>Classification:</u>	
				Access & Ped. Improvements	
Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$24,100.00	\$24,100
2	Remove Existing Concrete	500	SY	\$5.00	\$2,500
3	8" Reinforced Concrete Pavement	500	SY	\$38.00	\$19,000
4	6" Stabilized Base	500	SY	\$3.00	\$1,500
5	Lime or Cement for Stabilization (27 lbs/SY)	10	TON	\$150.00	\$1,500
6	Stamped and Stained Crosswalks	300	SY	\$90.00	\$27,000
7	Monolithic Curb	500	LF	\$2.00	\$1,000
8	Sidewalks (5')	300	SF	\$3.50	\$1,050
9	Decorative Pavers	600	SF	\$12.00	\$7,200
10	ADA Ramps	26	EA	\$1,000.00	\$26,000
11	Pavement Markings & Signage	1,000	LF	\$2.00	\$2,000
12	Traffic Control	10	MON	\$4,000.00	\$40,000
13	Erosion Control	1	LS	\$2,000.00	\$2,000
Paving Subtotal:					\$155,000
<b>Drainage Improvements</b>					
1	Drainage Improvements (15%)	1	LS	\$130,000.00	\$130,000
Drainage :					\$130,000
<b>Misc. Improvements</b>					
1	Landscaping and Irrigation	1	LS	\$100,000.00	\$100,000
2	Decorative Streetlights	20	EA	\$6,000.00	\$120,000
Misc. Subtotal:					\$220,000
<b>Subtotal Construction Cost Estimate</b>					<b>\$505,000.00</b>
<b>Contingency</b>		<b>20%</b>			<b>\$110,000.00</b>
<b>Total Construction Cost Estimate</b>					<b>\$615,000.00</b>
<b>Right-of-Way Cost</b>		-	SF	\$3.00	\$0.00
<b>Relocation</b>		-	EA	\$150,000.00	\$0.00
<b>Permanent Drainage Easement</b>		-	SF	\$0.80	\$0.00
<b>Temporary Construction Easement</b>		-	SF	\$0.20	\$0.00
<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>		-	EA	\$10,000.00	\$0.00
<b>Engineering Services</b>		8.0%			\$49,200.00
<b>Surveying Services</b>		2.0%			\$12,300.00
<b>Geotechnical Services</b>		0.5%			\$3,100.00
<b>Construction Inspection Services</b>		6.0%			\$36,900.00
<b>Administrative and Legal</b>		1.0%			\$6,200.00
<b>Construction Materials Testing</b>		1.0%			\$6,200.00
<b>Total Capital Cost (Based on Unit Prices for April 2013)</b>					<b>\$730,000.00</b>
<b>Total Capital Cost Per Foot</b>					<b>\$730.00</b>
<b>Notes:</b>					



# City of Weatherford

## Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input type="checkbox"/> Proximity to Schools <input type="checkbox"/> Economic Development <input checked="" type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements	<b>PROJECT NO. 9</b> <b>Downtown Parking</b> From: Varies To: Varies Length: 1,000 <b>PRIORITY RANKING :</b>
--	---

**Existing Conditions:**  
 Existing 4 Lane Road, concrete median, limited parallel parking.

**Proposed Conditions:**  
 This project includes 2 Lane Concrete Road 45 degree angle parking with a 10' grass median with trees.

- Key Benefits:**
- 1.) Provides Downtown On Street Parking
  - 2.) Provides trees to downtown square

**Project Scope:**

- On System
- Local Letting
- Environmental Document (THC)
- CLOMR / LOMR
- TxDOT Review and Approval
- Union Pacific Railroad Coordination
- ROW Acquisition
- Conduct Traffic Signal Warrant Study
- TxDOT Access Permit

**Project Schedule:**

	Duration (months)
Design	6
Environmental Permitting (THC)	0
ROW acquisition	0
Utility Relocation	0
Construction	6
<b>Estimated Total (Years):</b>	<b>0.5</b>



**Financial Data:**

Right-of-Way Cost	\$0.00
Engineering Services	\$64,600.00
Major Utility Relocation	\$0.00
TxDOT Fee for Review and Letting	\$0.00
City Administrative and Legal	\$6,200.00
Construction Management	\$43,100.00
Construction	\$505,000.00
Contingency	\$110,000.00
<b>Total Project Cost</b>	<b>\$730,000.00</b>
Escalation	\$490,000.00
<b>Bond Program Cost</b>	<b>\$1,220,000.00</b>

**Legend**

- CIP Project - Roadways
- AA -- Major Arterial 120' R.O.W.
- A -- Major Arterial 100' R.O.W.
- B -- Minor Arterial 90' R.O.W.
- C/D -- Major/Minor Collector 80'-60' R.O.W.
- Eastern Outer Loop
- Rail Line
- Water Main
- City Limits
- Floodplain





## City of Weatherford Capital Improvement Program

<b>Program Objectives</b> <input checked="" type="checkbox"/> Congestion Mitigation <input checked="" type="checkbox"/> Proximity to Schools <input type="checkbox"/> Economic Development <input type="checkbox"/> Safety Improvements <input type="checkbox"/> Significant Alternate Route <input type="checkbox"/> Air Quality Improvements	<b>PROJECT NO. 10</b> <b>Tremont St.</b> From: Narrow Street To: Existing Tremont St. Length: 650 <b>PRIORITY RANKING :</b>
--	--

**Existing Conditions:**  
 Approximately 350 feet of Tremont Street is constructed from Upper Denton Road to serve a new subdivision. The existing road is a local collector

**Proposed Conditions:**  
 This project would extend Tremont an additional 650 feet to Narrow Street

**Key Benefits:**  
 1.) Improves north/south traffic flow to US 180 and further south to Sante Fe Drive

**Project Scope:**

- On System
- Local Letting
- Environmental Document
- CLOMR / LOMR
- TxDOT Review and Approval
- Union Pacific Railroad Coordination
- ROW Acquisition
- Conduct Traffic Signal Warrant Study
- TxDOT Access Permit

**Project Schedule:**

	<u>Duration (months)</u>
Design	6
Environmental Permitting	0
ROW acquisition	0
Utility Relocation	0
Construction	6
<b>Estimated Total (Years):</b>	<b>1</b>



**Financial Data:**

Right-of-Way Cost	\$59,000.00
Engineering Services	\$52,000.00
Major Utility Relocation	\$0.00
TxDOT Fee for Review and Letting	\$0.00
City Administrative and Legal	\$4,800.00
Construction Management	\$33,100.00
Construction	\$391,000.00
Contingency	\$80,000.00
<b>Total Project Cost</b>	<b>\$620,000.00</b>
Escalation	\$160,000.00
<b>Bond Program Cost</b>	<b>\$780,000.00</b>



City of Weatherford, Texas  
 Engineer's Opinion of Probable Construction Cost Estimate  
 Tremont Street  
 February-13

Item No.	Item Description	Quantity	Unit	Unit Cost	Total Cost
<b>Roadway Description:</b>					
	Roadway Length	650	FT		
	Right-of-Way Width	90	FT		
	Roadway Width (One Side B-B)	27	FT		
	Median Width (B-B)	13	FT		
				<u>Project Limits:</u>	
				Tremont Street	
				From: Narrow St	
				To: Existing Tremont	
				<u>Classification:</u>	
				Type "B" Minor Arterial	
<b>Paving Improvements</b>					
1	Mobilization (5% of Construction Cost)	1	LS	\$18,600.00	\$18,600
2	Right of Way Preparation	2	ACRE	\$5,000.00	\$10,000
3	Unclassified Street Excavation	1,200	CY	\$6.00	\$7,200
4	8" Reinforced Concrete Pavement	3,900	SY	\$38.00	\$148,200
5	6" Stabilized Base	5,000	SY	\$3.00	\$15,000
6	Lime or Cement for Stabilization (27 lbs/SY)	70	TON	\$150.00	\$10,500
7	Monolithic Curb	2,600	LF	\$2.00	\$5,200
8	Sidewalks (5')	6,500	SF	\$5.00	\$32,500
9	Additional Pavement at Median Openings (per side)	1	EA	\$12,800.00	\$12,800
10	ADA Ramps	2	EA	\$1,000.00	\$2,000
11	Hydromulching	3,200	SY	\$1.00	\$3,200
12	Top Soil	3,200	SY	\$3.00	\$9,600
13	Pavement Markings & Signage	2,600	LF	\$2.00	\$5,200
14	Traffic Control	6	MON	\$2,000.00	\$12,000
15	Erosion Control	1	LS	\$4,000.00	\$4,000
<b>Paving Subtotal:</b>					<b>\$296,000</b>
<b>Drainage Improvements</b>					
1	10' Storm Sewer Inlets	3	EA	\$4,000.00	\$13,000
2	4' x 4' Manholes	1	EA	\$6,000.00	\$4,800
3	Storm Sewer Main (Class III RCP)(24")	400	LF	\$65.00	\$26,000
4	Storm Sewer Laterals (Class III RCP)(21")	117	LF	\$55.00	\$6,435
<b>Drainage :</b>					<b>\$50,235</b>
<b>Misc. Improvements</b>					
1	Street Lights / Foundations / Conduit	8	EA	\$5,500.00	\$44,000
<b>Misc. Subtotal:</b>					<b>\$44,000</b>
<b>Subtotal Construction Cost Estimate</b>					
					<b>\$391,000.00</b>
<b>Contingency</b>					
<b>20%</b>					<b>\$80,000.00</b>
<b>Total Construction Cost Estimate</b>					
					<b>\$471,000.00</b>
	<b>Right-of-Way Cost</b>	53,000	SF	\$1.00	\$53,000.00
	<b>Permanent Drainage Easement</b>	-	SF	\$0.80	\$0.00
	<b>Temporary Construction Easement</b>	-	SF	\$0.20	\$0.00
	<b>Cost Per Parcel (Land Agent / Survey / Legal)</b>	1	EA	\$6,000.00	\$6,000.00
	<b>Engineering Services</b>	8.0%			\$37,700.00
	<b>Surveying Services</b>	2.0%			\$9,500.00
	<b>Geotechnical Services</b>	1.0%			\$4,800.00
	<b>Construction Inspection Services</b>	6.0%			\$28,300.00
	<b>Administrative and Legal</b>	1.0%			\$4,800.00
	<b>Construction Materials Testing</b>	1.0%			\$4,800.00
	<b>Total Capital Cost (Based on Unit Prices for Feb. 2013)</b>				<b>\$620,000.00</b>
	<b>Total Capital Cost Per Foot</b>				<b>\$960.00</b>
<b>Notes:</b>					
1	<i>The Existing segment of Tremont is built as a Collector section</i>				

**Legend**

-  CIP Project - Traffic Signal
-  AA -- Major Arterial 120' R.O.W.
-  A -- Major Arterial 100' R.O.W.
-  B -- Minor Arterial 90' R.O.W.
-  C/D -- Major/Minor Collector 80'-60' R.O.W.
-  Eastern Outer Loop
-  Rail Line
-  Water Main
-  City Limits
-  Floodplain



**Legend**

-  CIP Project - Traffic Signal
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-  A -- Major Arterial 100' R.O.W.
-  B -- Minor Arterial 90' R.O.W.
-  C/D -- Major/Minor Collector 80'-60' R.O.W.
-  Eastern Outer Loop
-  Rail Line
-  Water Main
-  City Limits
-  Floodplain



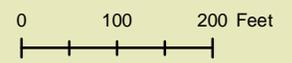
**Legend**

-  CIP Project - Traffic Signal
-  AA -- Major Arterial 120' R.O.W.
-  A -- Major Arterial 100' R.O.W.
-  B -- Minor Arterial 90' R.O.W.
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