

**CITY OF CENTER
STREET IMPROVEMENTS**

**FOR
Economic Development Corporation**

Street Evaluation Report

November 2016

Prepared For:

**City of Center
P.O. Box 1744
Center, Texas 75935**



Everett Griffith, Jr. & Associates Inc.
ENGINEERS • SURVEYORS

November 8, 2016

Mr. Buster Bounds, President and Corporation Members
City of Center Street Improvements for EDC
P.O. Box 1744
Center, TX 75935

Re: Street Evaluation Report
City of Center

Members,

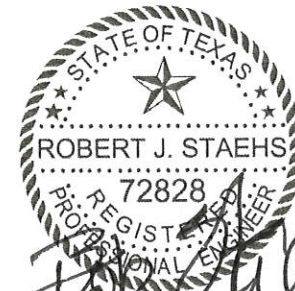
As authorized by you, this firm is pleased to present this report evaluating the streets within the City of Center. This report identifies, evaluates, prioritizes and will make recommendations on construction methods and associated costs.

The firm appreciates the opportunity to work with the Corporation and is available to provide further services regarding this report or any other Corporation projects in the future.

Sincerely,

Bob Staehs, P.E.
Project Manager

Cc: Chad Nehring, City Manager, City of Center



11/10/16

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- A. Street map
- B. Street List - Entire Street Evaluation Listing
- C. Street List - Proposed Improvements
- D. Itemized Construction Measures
- E. Construction Costs
- F. Future Thoroughfare Recommendations (Map and Estimated Construction Cost)

I. Introduction

Over the past twenty years, the City of Center has resurfaced or reconstructed all of the streets within the city limits. In August 2016, every street was driven and visually inspected. It is the focus of this report to evaluate all streets and to recommend the various streets that need some form of rehab in order to bring them to a condition considered standard for transportation.

II Purpose and Objectives

The purpose of this report is to identify, evaluate and prioritize those streets that are in need of basic rehab, reconstruction or overlay. This report will also recommend reconstruction methods, costs and scheduling for improvements.

The main objective of this report is to evaluate, prioritize and schedule recommended improvements for those streets currently in need of various forms of rehab. Costs for these improvements were also developed.

III Evaluation Criteria

The Evaluation Criteria utilized for this report was as follows:

- a. Poor
- b. Slightly Below Average
- c. Average
- d. Excellent - these streets are typically of concrete construction

An entire list of streets is attached in Appendix B with the indication of each streets evaluation.

IV Construction Measures

After a visual inspection of every street in this program, it is apparent that there are various forms of rehab that is needed. Some will actually need complete reconstruction which would include excavation, 6" subgrade preparation, six inch (6") flexible base to 2" hot mix asphaltic concrete (HMAC) surface. Included in this construction should be ditch cleaning, driveway and roadway culvert installation where required.

For the purposes of this report, we have targeted thirty-three streets that we feel need some form of rehab over the next three years. Of those thirty-three streets we have broken them down into the following categories of rehab:

- 1. RECONSTRUCTION**
- 2. SCARIFY, MIX, & RECOMPACT**
- 3. MILL & OVERLAY**
- 4. PATCH**
- 5. MISCELLANEOUS REPAIRS**

V Explanation of Costs

Over the two decades of doing this type rehab, we have experienced an annual increase in material and labor cost of approximately 3-5% (percent). We have utilized the following 2015 prices to determine our annual project costs. Typically, we have recommended an annual project cost of approximately \$600,000. Once this cost has been reached, we have moved the various streets to the next year's rehab program.

RECONSTRUCTION - ASPHALT

1. 8" Unclassified Excavation - \$25/CY
2. 6" Sub-grade Preparation - \$7/SY
3. 6" Flex Base - \$125/CY
4. 2" Hot Mix Asphaltic Concrete - \$150/Ton

RECONSTRUCTION - CONCRETE

1. Right of Way Preparation - \$3,000/Sta
2. 8" Lime Stabilized Subgrade - \$9/SY
3. 6" Concrete - \$85/SY

SCARIFY, MIX & RECOMPACT

2. 8" Scarify, Mix & Recompact with Cement - \$10/SY
3. 2" Excavation - \$25/CY
4. 2" Hot Mix Asphaltic Concrete - \$150/Ton

MILL & OVERLAY - ASPHALT

1. 2" Mill - \$9/SY
2. 2" Hot Mix Asphaltic Concrete (Overlay) - \$150/Ton

PATCH - ASPHALT

1. 6" Hot Mix Asphaltic Concrete - \$200/Ton

MISCELLANEOUS REPAIRS

May consist of drainage improvements (pipe replacement, inlet repair, slope protection, valley gutter repair), guard rail replacement, rip-rap, or curb & gutter repair.

VI Recommendations and Schedules

It is the intent of this report to recommend the necessary rehab over a period of four years (2016, 2017, 2018 & 2019). (See APPENDIX E for estimated construction costs)

2016 Street Improvements Listing

1. RECONSTRUCTION - Asphalt
 - a. Center St. - Pecan to Shelbyville
 - b. Riggs St. - Shelbyville to City Yard
2. RECONSTRUCTION - Concrete
 - a. Cass-Caid St. - Tenaha to Hwy 96

3. SCARIFY, MIX & RECOMPACT (SMR)
 - a. Garfield St. - Wiseman to near Holland
 - b. San Augustine St. - Hwy 7 to Terry
 - c. Wiseman St. - Bend to Garfield
4. MILL & OVERLAY
 - a. Nacogdoches St. - Austin to New Pavement

2017 Street Improvements Listing

1. RECONSTRUCTION
 - a. John Rogers St. - Entire Loop
 - b. Riggs St. - City Yard to Greer
2. SCARIFY, MIX & RECOMPACT
 - a. Church St. - College to Wheeler
 - b. College St. - bridge to Gladstone
 - c. Greer St. - Kindle to 719 Greer
 - d. Rainbow St. - Sardis to Catalpa
3. MISCELLANEOUS REPAIRS
 - a. Anderson St. - Guardrail Repair
 - b. McKee St. - Fox to Hwy 87 - Valley Gutter Repair

2018 Street Improvements Listing

1. RECONSTRUCTION
 - a. Collier St. - Hwy 87 to Fox
 - b. Watlington St. - Hwy 7 to end
2. SCARIFY, MIX & RECOMPACT
 - a. Anita St. - Sardis to Rainbow
 - b. Creswell St. - Logansport to Forest
 - c. Elliott St. - Hwy 87 to King
 - d. Margo St. - Pearl to Timpson
 - e. Netherly St. - Garrett to Hall
 - f. Schillings St. - Fox to Brown
 - g. Thomas St. - Baker to Hwy 87
 - h. Wheeler St. - Hwy 96 to New pavement

2019 Street Improvements Listing

1. RECONSTRUCTION
 - a. Airport St. - Hwy 87 to City Limit
2. SCARIFY, MIX & RECOMPACT
 - a. Crawford St. - Bridge to Ellington
 - b. Dadeland St. - F.M. 2974 to C.R. 138
 - c. Pearl St. - Hwy 87 to Margo
 - d. Epps St. - Hwy 87 to past driveway to Auto Zone
 - e. Nicholson St. - College to End
 - f. Bolton St. - Greer to Anderson
 - g. Ellington St. - Arcadia to Crawford
 - h. Matlock St. - Jennings to Lister

VII Future Street Extensions

As a part of this report, we were also asked by members to look at possible future thoroughfare streets which would enhance traffic movability at various locations within the City. After review of several areas, looking at existing traffic flow, businesses (existing and possible future), movability from one portion of the city to another, we would recommend the following future thoroughfare streets. Estimated construction costs for these projects can be found under APPENDIX F.

- A. Express Drive Extension from the existing street to Roughrider Dr. to the south. (Would require purchase of right of way)
- B. Hutcherson Dr. Extension from the existing street to the proposed Express Dr. Extension. (Would require purchase of right of way)
- C. Greer St. (Pine St. to Riggs St.) There is currently platted right of way for a major portion of this roadway. (Additional right of way would need to be purchased to complete the project)

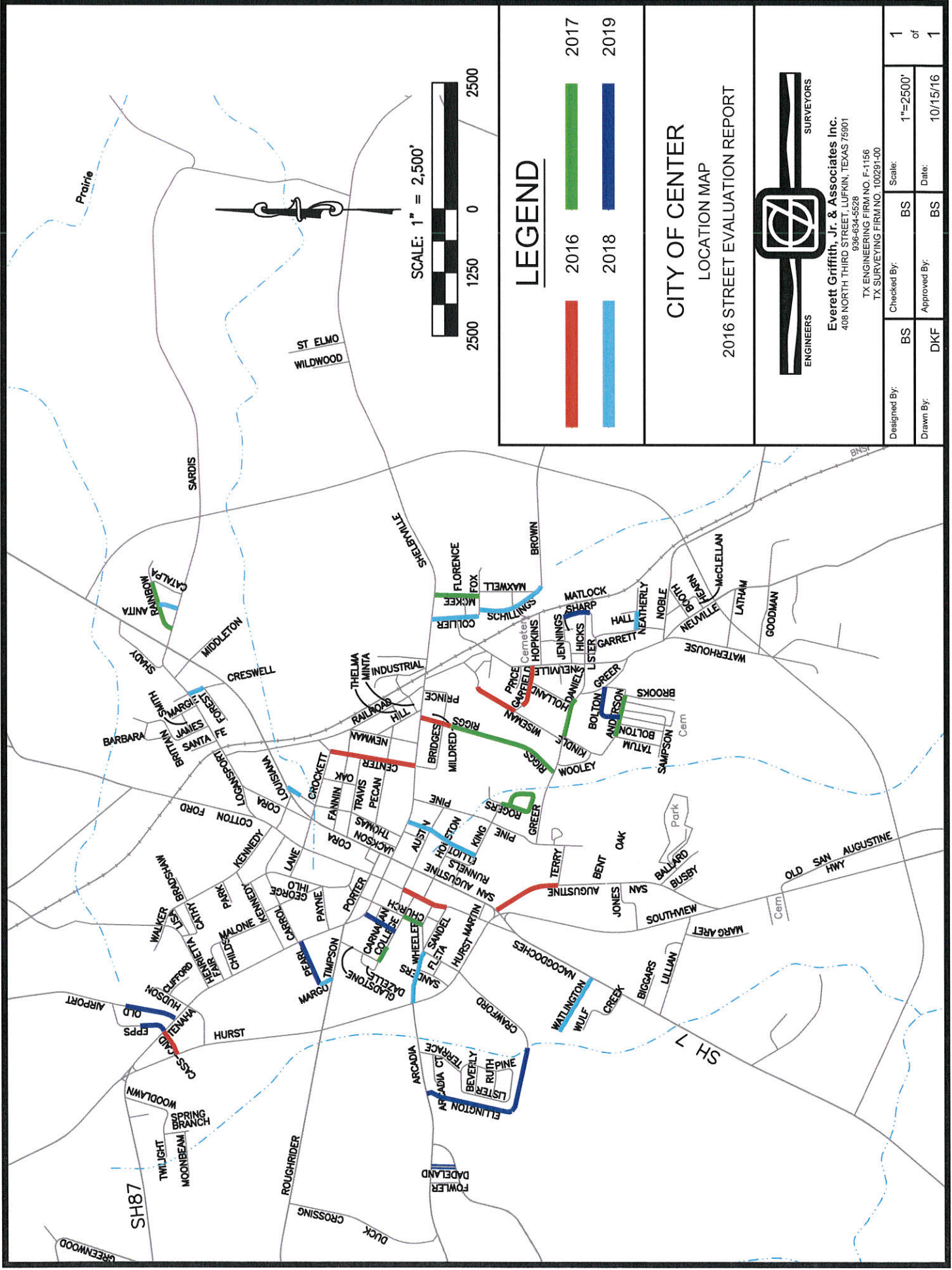
VIII Conclusion

In conclusion, the City of Center has thirty-three (33) streets in need of some form of improvement. As noted, some streets are in need of complete reconstruction while others require Scarify, Mix & Recompaction or Mill/Overlay.

The City has been spending approximately \$600,000 annually for the street program. For purposes of this report, we have utilized this approximate annual cost for each of the four years. Current assessment of costs will be reviewed prior to bidding each year due to projected increases in materials and labor. In utilizing the \$600,000 budget, should any year's estimated construction costs exceed that amount, a decision will be made of which streets to move to the next budget year.

Also included in this report are three future thoroughfare streets for the City's and the EDC's review.

APPENDIX A
STREET MAP



LEGEND

█	2016
█	2017
█	2018
█	2019

CITY OF CENTER
LOCATION MAP
2016 STREET EVALUATION REPORT

EVERETT GRIFFITH, JR. & ASSOCIATES INC.
SURVEYORS
408 NORTH THIRD STREET, LUFKIN, TEXAS 75901
936-634-6528
TX SURVEYING FIRM NO. F-1156
TX SURVEYING FIRM NO. 100291-00

Designed By:	BS	Checked By:	BS	Scale:	1"=2500'	1	of
Drawn By:	DKF	Approved By:	BS	Date:	10/15/16	1	

APPENDIX B

**STREET LIST - ENTIRE STREET
EVALUATION LISTING**

CITY OF CENTER
STREET EVALUATION PROGRAM
 DATE: OCTOBER, 2016

S.A.R. - SMALL AREA RECONSTRUCTION 2016 2018
 S.M.R. - SCARIFY, MILL, REMIX
 D.R. - DRAINAGE REPAIR 2017 2019
 V.G. - VALLEY GUTTER

STREET NAME	FROM	TO	GRID MAP LOC.	LENGTH	WIDTH	SY	TYPE OF PAVEMENT			TRAFFIC			TYPE ROADWAY			CONDITION			LATEST MAINTENANCE YEAR	PREVIOUS TYPE MAINTENANCE	COMMENTS
							ASPHALT	DIRT	CONCRETE	LIGHT	MEDIUM	HIGH	COM.	RES.	ARTERIAL	POOR	SL. BELOW AVG.	AVG.			
"A"																					
ABBY	Chelsea	End	L17	680	30	2,267	X			X				X							
ADAM	Chelsea	End	L17	318	30	1,060	X			X				X							
AIRPORT	State Hwy 87	City Limit	J11-13	2946		0	X			X										2010	2" HMA Overlay
ANDERSON	Bolton	Kindle	L18	752	16	1,337	X			X										2012	S.M.R.
ANITA	Sardis	Rainbow	M13	390	24	1,040	X			X										2008	2" HMA Overlay
ARCADIA	Pine Terrace	End	J16	689	20	1,531	X			X					X					2008	2" HMA Overlay
ASHLEY	Lillian	Sunset	J19, K18					X													
AUSTIN	Nacogdoches	Church	K16	450	26	1,300	X		X			X								2015	Patch
AUSTIN	State Hwy 7	Selma	K16	580	26	1,676				X				X						2014	Patch
AUSTIN	Selma	Pine	K16	770	24	2,053				X											
"B"																					
BAKER	Thomas	End	L15	195	16	347	X			X											
BALDWIN	King	Houston	K16	383	28	1,192	X			X				X							
BALLARD	San Augustine	End	K18	1400	22	3,422	X			X										2010	2" HMA Overlay
BARBARA	Brittian	End	L13	653	18	1,306	X			X											
BENT OAK	San Augustine	End	K18	684	30	2,280	X			X											
BEVERLY PLACE	Pine Terrace	Lister	J16	557	20	1,238	X			X										2009/2014	2" HMA Overlay/Patch
BIGGARS	State Hwy 7	End	J18	654	17	1,235	X			X										2007	2" HMA Overlay
BOLTON	Greer	Sampson	L18	1808	28	5,625	X			X					X					2014	Patch
BOOTH	Martin Luther King	Noble	M18	699	12	932		X		X											
BRADSHAW	Walker	Hutchins	K13	501	26	1,447	X			X										2015	S.A.R.
BRIDGES	Prince	Riggs	L16	584	10	649	X			X										2010	2" HMA Overlay
BRIDGES	Riggs	Center	L16	910	12	1,213	X			X											
BRITTAIN	Margie	James	L13	982	18	1,964	X			X										2010	2" HMA Overlay
BROADWAY	Schilling	Maxwell	M17	325	14	506	X			X										2008	2" HMA Overlay
BROOKS	Union	To end curb & gutter	L18	715	24	1,907	X			X										2011	2" HMA Overlay
BROOKS	End of curb & gutter	End	L18	354	18	708	X			X										2011	2" HMA Overlay
BROWN	Maxwell	City Limit	M17-18	2618	18	5,236	X			X				X						2011	2" HMA Overlay
BUSBY	San Augustine	End	K18	335	14	521	X			X										2011	2" HMA Overlay
BUSBY	San Augustine	End	K18	335	14	521	X			X										2008	2" HMA Overlay
"C"																					
CARNAHAN	Banks	Nicholson	K15	650	18	1,300	X			X										2012/2015	S.A.R.
CARROLL	State Hwy 87	Logansport	K14	2359	24	6,291	X			X				X							
CASS-CAID	Hurst	Tenaha	J14	510	30	1,700	X			X			X							2009/2012	2" HMA Overlay/S.M.R.
CATALPA	Sardis	Rainbow	M13	682	24	1,819	X			X										2012	S.A.R.
CATCO	State Hwy 7	End	M13	1017	30	3,390		X			X		X								
CATHY	Walker	End	K13	950	18	1,900	X			X										2011	2" HMA Overlay
CEMETARY	Florence	End	M16-17	150	16	267	X			X										2011	2" HMA Overlay
CENTER	Crockett	Railroad	L15-16	343	26	991			X					X							
CENTER	Crockett	Pecan	L15-16	1150	26	3,322			X					X							
CENTER	Pecan	Shelbyville	L15-16	550	26	1,589	X							X	X					2015	S.M.R.
CENTER	Shelbyville	Bridges	I15-16	397	26	1,147															
CHELSEA	Loop 500	End	I17	700	30	2,333	X			X											
CHILDS	State Hwy 87/Tenaha	Malone	J14,K14	712	26	2,057	X			X											
CHURCH	George Ihllo	Wheeler	K15-16	1712	20	3,804	X			X										2010	2" HMA Overlay
CHURCH	Wheeler	Sandel	K15-16	250	26	722	X			X										2011	2" HMA Overlay
CIVIC CENTER	Express	End	J14	1647	36	6,588			X												
CLIFFORD	Hudson	End	J13	526	18	1,052	X			X										2012/2014	S.A.R.
COLLEGE	Church	Nacogdoches	K15-16	439	24	1,171	X			X					X					2007/2015	2" HMA Overlay/Patch
COLLEGE	Dazelle	Church	K15-16	1212	24	3,232	X			X										2007/2014	2" HMA Overlay/Patch
COLLIER	State Hwy 87	Fox	M-16	924	24	2,464	X			X				X	X					2008/2012/2014	2" HMA Overlay/S.A.R.
CORA	Logansport	Louisiana	K15, L14	1486	24	3,963	X				X		X							2014	Patch
CORA	Crockett	Shelbyville	K15, L14	1701	40	7,560	X														
CRAWFORD	Ellington	End	J16-17	3348	24	8,928	X			X										2008/2012/2015	2" HMA Overlay/2015-Conc. Rep./slope protection/S.A.R.
CRAWFORD	US Hwy 96	Wheeler		802	20	1,782			X											2008/2014	2" HMA Overlay/Patch
CRESWELL	Logansport	State Hwy 7	L13-14	1285	18	2,570	X			X											
CROCKET	State Hwy 7	Center	L15	1398	18	2,796	X			X					X					2012	S.M.R.
CROCKET	State Hwy 7	Logansport	L15	548	30	1,827			X					X						2012	S.M.R.

APPENDIX C

STREET LIST - PROPOSED IMPROVEMENTS

2016 STREET LIST

Reconstruction
Center St.
Cass-Caid St.

Scarify, Mix & Recompact
Garfield St.
San Augustine St.
Wiseman St.

Mill / Overlay
Nacogdoches St.

2017 STREET LIST

Reconstruction
John Rogers St.
Riggs St.

Scarify, Mix & Recompact
Church St.
College St.
Greer St.
Rainbow St.

Miscellaneous Repairs
Anderson St.
McKee St.

2018 STREET LIST

Reconstruction
Collier St
Watlington St.

Scarify, Mix & Recompact
Anita St.
Creswell St.
Elliott St.
Margo St.
Netherly St.
Schillings St.
Thomas St.
Wheeler St.

2019 STREET LIST

Reconstruction
Airport St.

Scarify, Mix & Recompact
Bolton St.
Crawford St.
Dadeland St
Ellington St.
Epps St.
Matlock St.

Nicholson St.
Pearl St.

APPENDIX D

ITEMIZED CONSTRUCTION MEASURES

2016 STREET PROGRAM

CITY OF CENTER
2016 STREET PROGRAM
RECONSTRUCTION

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	8" UNCLASSIFIED EXCAVATION (CY)	6" SUBGRADE PREP (SY)	6" FLEX BASE (CY)	2" HMAC PVMT (TONS)
CENTER	Pecan	Shelbyville	572	22	1,398	311	1,398	233	154
RIGGS	Shelbyville	City Yard	625	20	1,389	309	1,389	232	153
TOTAL						620	2,787	464	307

CITY OF CENTER
2016 STREET PROGRAM
CONCRETE (RECONSTRUCTION)

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	RIGHT OF WAY PREP (STA)	8" LIME STABILIZATION (SY)	6" CONCRETE PAVEMENT (SY)
CASS-CAID	Tenaha	Hwy 96	484	31	1,667	4.84	1667	1667
TOTAL						4.84	1667	1667

CITY OF CENTER
2016 STREET PROGRAM
SCARIFY, MIX & RECOMPACT

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	8" SCARIFY, REMIX, RECOMPACT WITH CEMENT (SY)	2" EXCAVATION (CY)	2" HMAC PVMT (TONS)
GARFIELD	Wiseman	Near Holland	489	23	1,250	1,250	70	138
SAN AUGUSTINE	Hwy 7	Terry	1074	23	2,745	2,745	153	302
WISEMAN	Bend	Garfield	893	23	2,282	2,282	127	251
TOTAL						6,276	350	691

CITY OF CENTER
2016 STREET PROGRAM
MILL & OVERLAY

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	2" MILL (SY)	2" HMAC PVMT (TONS) OVERLAY
NACOGDOCHES	Austin	Sandel	659	37	2,709	2,709	298
NACOGDOCHES	Sandel	New Pavement	624	28	1,941	1,941	214
TOTAL						4,650	512

2017 STREET PROGRAM

CITY OF CENTER
STREET EVALUATION PROGRAM
2017 RECONSTRUCTION

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	UNCLASSIFIED EXCAVATION (CY)	6" SUBGRADE PREP (SY)	6" FLEX BASE (CY)	2" HMAC PVMT (TONS)
JOHN ROGERS	End	End	1527	23	3,902	872	3,902	650	429
RIGGS	City Yard	Greer	2276	20	5,058	1130	5,058	843	556
TOTAL						2001	8,960	464	986

CITY OF CENTER
STREET EVALUATION PROGRAM
2017 SCARIFY, MIX & RECOMPACT

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	8" SCARIFY, REMIX, RECOMPACT WITH CEMENT (SY)	2" EXCAVATION (CY)	2" HMAC PVMT (TONS)
CHURCH	College	Wheeler	432	23	1,104	1,104	7	121
COLLEGE	Bridge	Gladstone	162	25	450	450	3	50
GREER	Kindle	719 Greer	232	23	593	593	4	65
RAINBOW	Sardis	Catalpa	912	23	2,331	2,331	14	256
TOTAL						4,478	28	493

2018 STREET PROGRAM

CITY OF CENTER
STREET EVALUATION PROGRAM
2018 RECONSTRUCTION

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	8" UNCLASSIFIED EXCAVATION (CY)	6" SUBGRADE PREP (SY)	6" FLEX BASE (CY)	2" HMAC PVMT (TONS)
COLLIER	Hwy 87	Fox St.	863	24	2,301	514	2,301	384	253
WATLINGTON	Hwy 7	End	1126	20	2,502	559	2,502	417	275
TOTAL						1073	4,804	464	528

CITY OF CENTER
STREET EVALUATION PROGRAM
2018 SCARIFY, MIX & RECOMPACT

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	8" SCARIFY, REMIX, RECOMPACT WITH CEMENT (SY)	2" EXCAVATION (CY)	2" HMAC P/VM (TONS)
ANITA	Sardis	Rainbow	390	24	1,040	1,040	58	114
CRESWELL	Logansport	Forest	1285	18	2,570	2,570	143	283
ELLIOTT	Hwy 87	King	1498	17	2,830	2,830	158	311
MARGO	Pearl	Timpson	300	26	867	867	48	95
NETHERLY	Garrett	Hall	372	20	827	827	46	91
SCHILLINGS	Fox	Brown	659	16	1,172	1,172	65	129
THOMAS	Baker	Hwy 87	621	28	1,932	1,932	108	213
WHEELER	Hwy 96	New Pavement	1021	22	2,496	2,496	139	275
TOTAL						7,306	407	804

2019 STREET PROGRAM

CITY OF CENTER
STREET EVALUATION PROGRAM
2019 RECONSTRUCTION

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	UNCLASSIFIED EXCAVATION (CY)	6" SUBGRADE PREP (SY)	6" FLEX BASE (CY)	2" HMAC PVMT (TONS)
AIRPORT	Hwy 87	City Limit	1072	24	2,859	638	2,859	476	314
TOTAL						638	2,859	464	314

CITY OF CENTER
STREET EVALUATION PROGRAM
2019 SCARIFY, MIX & RECOMPACT

STREET NAME	FROM	TO	LENGTH	WIDTH	SY	8" SCARIFY, REMIX, RECOMPACT WITH CEMENT (SY)	2" EXCAVATION (CY)	2" HMAC PVMT (TONS)
BOLTON	Greer	Anderson	870	26	2,513	2,513	140	276
CRAWFORD	Bridge	Ellington	1700	24	4,533	4,533	252	499
DADELAND	F.M. 2974	C.R. 138	356	30	1,187	1,187	66	131
ELLINGTON	Arcadia	Crawford	1698	16	3,019	3,019	168	332
EPPS	Hwy 87	170' From Hwy 87	170	24	453	453	25	50
MATLOCK	Jennings	Lister	565	16	1,004	1,004	56	110
NICHOLSON	College	End	675	20	1,500	1,500	84	165
PEARL	Hwy 87	Margo	907	24	2,419	2,419	135	266
TOTAL						16,628	926	1829

APPENDIX E
CONSTRUCTION COSTS

CITY OF CENTER
CONSTRUCTION COSTS
2016 STREET PROGRAM

ITEM NO.	METHOD OF REHABILITATION	TOTAL COST
1	RECONSTRUCTION	
	CENTER ST.	\$69,826.00
	RIGGS	\$69,398.00
	TOTAL RECONSTRUCTION	\$139,224.00
2	SCARIFY, MIX & RECOMPACT	
	GARFIELD	\$34,950.00
	SAN AUGUSTINE	\$76,575.00
	WISEMAN	\$63,645.00
	TOTAL SCARIFY, MIX & RECOMPACT	\$175,170.00
3	MILL & OVERLAY	
	NACOGDOCHES ST.	\$118,650.00
	TOTAL MILL & OVERLAY	\$118,650.00
4	CONCRETE RECONSTRUCTION	
	CASS-CAID ST.	\$168,000.00
	TOTAL CONCRETE RECONSTRUCTION	\$168,000.00
	TOTAL	\$601,044.00

CITY OF CENTER
CONSTRUCTION COSTS
2017 STREET PROGRAM

ITEM NO.	METHOD OF REHABILITATION	TOTAL COST
1	RECONSTRUCTION	
	JOHN ROGERS ST.	\$194,792.00
	RIGGS ST.	\$252,467.00
	TOTAL RECONSTRUCTION	\$447,259.00
2	SCARIFY, MIX & RECOMPACT	
	CHURCH ST.	\$29,427.00
	COLLEGE ST.	\$11,995.00
	GREER ST.	\$15,803.00
	RAINBOW ST.	\$62,123.00
	TOTAL SCARIFY, MIX & RECOMPACT	\$119,348.00
3	MISCELLANEOUS	
	ANDERSON ST. - GUARD RAIL REPAIR	\$5,500.00
	McKEE ST. - VALLEY GUTTER REPAIR	\$1,900.00
	TOTAL MISCELLANEOUS	\$7,400.00
	TOTAL	\$574,007.00

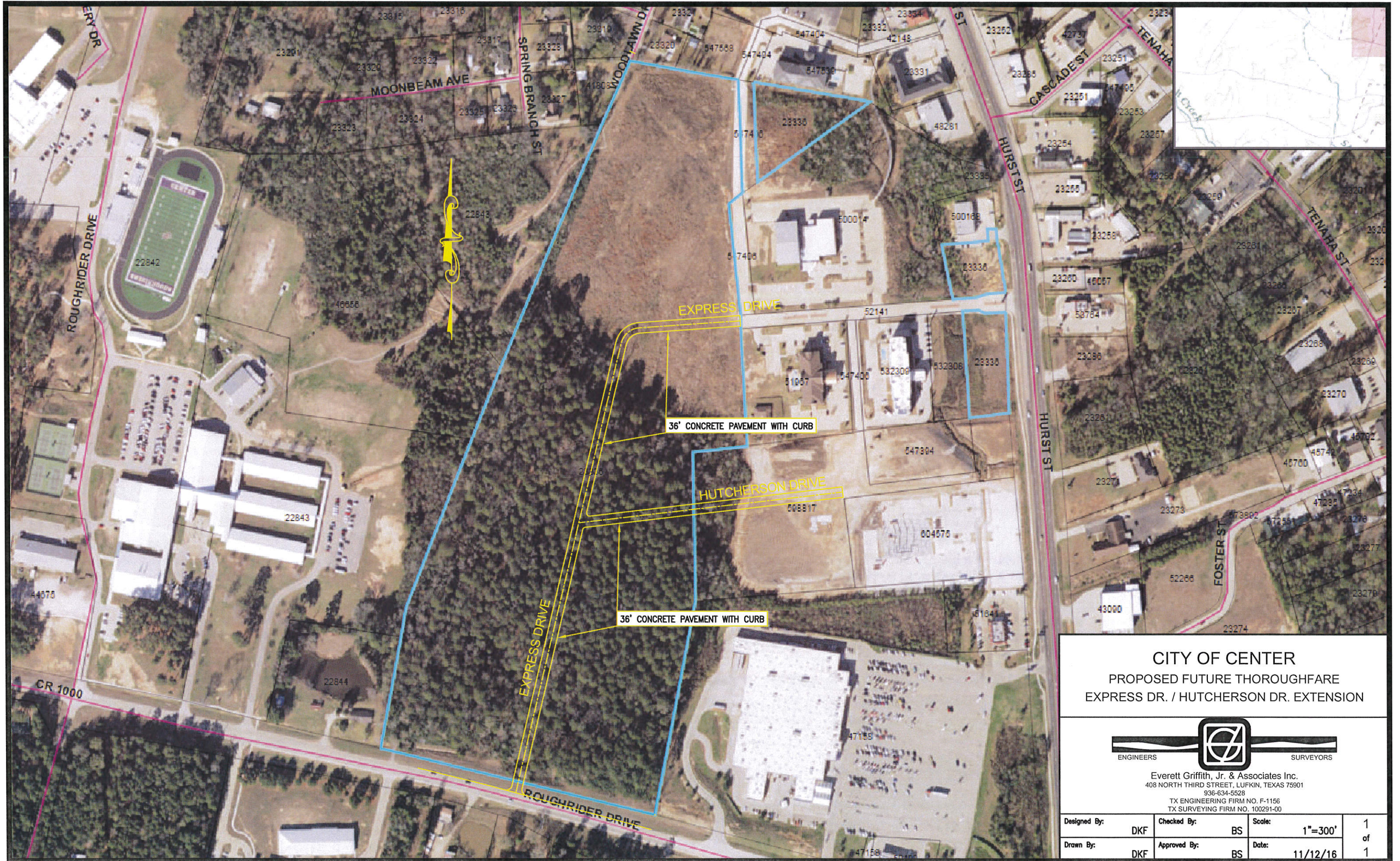
CITY OF CENTER
CONSTRUCTION COSTS
2018 STREET PROGRAM

ITEM NO.	METHOD OF REHABILITATION	TOTAL COST
1	RECONSTRUCTION	
	COLLIER ST.	\$114,875.00
	WATLINGTON ST.	\$124,903.00
	TOTAL RECONSTRUCTION	\$239,778.00
2	SCARIFY, MIX & RECOMPACT	
	ANITA ST.	\$29,007.00
	CRESWELL ST.	\$71,682.00
	ELLIOTT ST.	\$78,921.00
	MARGO ST.	\$24,173.00
	NETHERLY ST.	\$23,057.00
	SCHILLINGS ST.	\$32,677.00
	THOMAS ST.	\$53,887.00
	WHEELER ST.	\$69,611.00
	TOTAL SCARIFY, MIX & RECOMPACT	\$383,015.00
	TOTAL	\$622,793.00

CITY OF CENTER
CONSTRUCTION COSTS
2019 STREET PROGRAM

ITEM NO.	METHOD OF REHABILITATION	TOTAL COST
1	RECONSTRUCTION	
	AIRPORT ST.	\$142,695.00
	TOTAL RECONSTRUCTION	\$142,695.00
2	SCARIFY, MIX & RECOMPACT	
	BOLTON ST.	\$70,101.00
	CRAWFORD ST.	\$126,442.00
	DADELAND ST.	\$33,098.00
	ELLINGTON ST.	\$84,196.00
	EPPS ST.	\$12,644.00
	MATLOCK ST.	\$28,016.00
	NICHOLSON ST.	\$41,838.00
	PEARL ST.	\$67,461.00
	TOTAL SCARIFY, MIX & RECOMPACT	\$463,796.00
	TOTAL	\$606,491.00

APPENDIX F
FUTURE THOROUGHFARE
RECOMMENDATIONS



CITY OF CENTER
 PROPOSED FUTURE THOROUGHFARE
 EXPRESS DR. / HUTCHERSON DR. EXTENSION



Everett Griffith, Jr. & Associates Inc.
 408 NORTH THIRD STREET, LUFKIN, TEXAS 75901
 936-634-5528
 TX ENGINEERING FIRM NO. F-1156
 TX SURVEYING FIRM NO. 100291-00

Designed By:	DKF	Checked By:	BS	Scale:	1"=300'	1 of 1
Drawn By:	DKF	Approved By:	BS	Date:	11/12/16	



CITY OF CENTER
 PROPOSED FUTURE THOROUGHFARE
 GREER STREET EXTENSION



Everett Griffith, Jr. & Associates Inc.
 408 NORTH THIRD STREET, LUFKIN, TEXAS 75901
 936-634-5528
 TX ENGINEERING FIRM NO. F-1156
 TX SURVEYING FIRM NO. 100291-00

Designed By:	DKF	Checked By:	BS	Scale:	NOTED	1
Drawn By:	DKF	Approved By:	BS	Date:	09/27/16	of 1

