City of Sachse, Texas

Sachse CIty Hall
3815-B Sachse Road
Sachse, Texas 75048

Meeting Agenda

City Council Workshop

Monday, August 3, 2015 | **6:30 PM** | **Council Chambers**

The City Council of the City of Sachse will hold a Workshop Session on Monday, August 3, 2015, at 6:30 p.m. in the Council Chambers at Sachse City Hall, 3815 Sachse Road, Building B, Sachse, Texas to discuss the following items of business:

1. City Manager Update Report: Briefing on current activities of staff including engineering, economic development, parks, public works, fire and police departments.

Please note:These items are for discussion purposes only and no Council action will be taken. The workshop session is for City Council and staff discussion, citizen input is not permitted on this agenda.

2. Discussion Items.

15-2941 Hear and discuss the Fiscal Year 2015-2016 update to the Five Year Capital Improvement Plan (CIP).

Executive Summary
Each year during the budget process, the Capital Improvement Plan (CIP) is updated and adopted by the City Council along with the City's operating budget. This item is to discuss the update to the 5-year CIP.

Attachments: 2015-16 5 yr CIP Project List
2015-16 Street Maintenance Report
Presentation 2015-16 CIP Update

3. Discuss any City Council Meeting Agenda Items.

4. Adjournment.

State law prohibits the introduction or discussion of any item of business not posted at least seventy-two (72) hours prior to the meeting time.
Posted: July 31, 5:30 p.m.

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Michelle Lewis Sirianni, Interim City Secretary

City of Sachse, Texas

Sachse City Hall
3815-B Sachse Road
Sachse, Texas 75048

Legislation Details (With Text)

File #:	15-2941	**Version:**	1	**Name:**	2015-2016 5-yr CIP Update
Type:	Discussion Item			**Status:**	Agenda Ready
File created:	7/30/2015			**In control:**	City Council
On agenda:	8/3/2015			**Final action:**	
Title:	Hear and discuss the Fiscal Year 2015-2016 update to the Five Year Capital Improvement Plan (CIP). Executive Summary Each year during the budget process, the Capital Improvement Plan (CIP) is updated and adopted by the City Council along with the City's operating budget. This item is to discuss the update to the 5-year CIP.				
Sponsors:					
Indexes:					
Code sections:					
Attachments:	2015-16 5 yr CIP Project List 2015-16 Street Maintenance Report Presentation 2015-16 CIP Update				

Date	Ver.	Action By	Action	Result

Title
Hear and discuss the Fiscal Year 2015-2016 update to the Five Year Capital Improvement Plan (CIP).

Executive Summary
Each year during the budget process, the Capital Improvement Plan (CIP) is updated and adopted by the City Council along with the City's operating budget. This item is to discuss the update to the 5-year CIP.

Background
The City Council adopted the current Five Year Capital Improvement Plan as part of the 2014 -2015 fiscal year operating budget in September of 2014. This item give the public the opportunity to provide input for selected projects and/or improvements to be considered for inclusion in the CIP.

Policy Considerations
The update to the Five Year Capital Improvement Plan (CIP) is an annual occurrence. Once the CIP has been revised, it is typically adopted at the time the operating budget is approved and updated as necessary during the fiscal year as changes need to occur.

The projects listed in the CIP were evaluated to ensure the cost estimates are reasonable to take into account price increases due to scope change and inflation in construction costs.

The waterline and sanitary sewer projects were re-prioritized to reflect the continuing development activity in Sachse and rehabilitation needs. The roadway projects were re-prioritized to reflect public-private partnerships and funding from the Street Maintenance Tax. The updated CIP is shown in Attachment 1.

Budgetary Considerations
The projects listed in the 2015-2016 fiscal year will be funded using available fund balances in various accounts (water, sanitary sewer, and roadway impact fees, 2006 Transportation Bond, Capital Projects fund, Street Maintenance Tax fund).

Available Funding
The current available funds as of this meeting are shown below, with the remaining funds after the recommended projects shown in parentheses:

- Roadway Impact Fees:	$1,452,518.00	($1,314,518.00)
- Water Impact Fees:	$672,631.00	($382,631.00)
- Sanitary Sewer Impact Fees:	$728,671.00	($428,671.00)
- Capital Projects Fund:	$323,380.00	($28,380.00)
- 2006 Bond Fund:	$4,513,900	($3,014,213.00)
- RCC Fund:	$176,063.00*	($0.00)
- Street Maintenance Tax Fund:	$304,879**	($TBD)

*The RCC Fund is no longer receiving any new funds. Staff is recommending that the remaining funds in the RCC Fund be allocated to the SH 78 Street Lighting Project, and any remaining funds at the end of the project be moved to the Capital Projects Fund.

**The projected funds from the Street Maintenance Tax for FY14-15 amount to $304,879.00.

Once it was determined how much funding is available to fund CIP projects, the projects were prioritized and the highest priority projects were shown in the 2015-2016 CIP. The CIP includes the following recommended project funding for FY 2015-16:

Street Projects - City Funding = $904,304.00

Project #	Project Name	Budget	Fund
R-12-01a	SH 78 Street Lighting	$ 91,839.00	RCC*
R-12-04c	Maxwell Creek Road - North	$ 100,000.00	IF
R-12-08	5th/Sachse Road Widening	$1,500,000.00	BOND
R-13-08	Williford Road Asphalt	$ 10,000.00	SMT
R-14-02	Hudson Drive - Rosewood to Sewell	$ 120,000.00	DEV/CP/IF
R-14-03	Rosewood Circle - Ashwood to Hudson	$ 100,000.00	DEV
R-14-06	2016 CDBG Project	$ 76,173.00	CDBG
R-15-01	2015-16 Street Maint. Tax Projects	$ 304,879.00	SMT
R-15-03	Sachse HS Traffic Improvements	$ 75,000.00	CP

Note: IF = Impact Fees, CP = Capital Projects Funds, SMT = Street Maintenance Tax Funds, CDBG = Community Development Block Grant Funds, DEV = Developer to Construct, no funding from City

RCC = re-allocation of remaining RCC Funds*

Sanitary Sewer Projects - City Funding = $477,164.00

Project #	Project Name	Budget	Fund
SS-12-08	Southeast Lift Station	$ 300,000.00	IF
SS-13-01	8-inch main - Bonanza Ct. to Vicksburg	$ 177,164.00	UF

Note: IF = Impact Fees, UF = Utility Fund

Water Projects - City Funding = $399,200

Project #	Project Name	Budget	Fund
W-12-08	12-inch Main-Hudson to Westcreek	$ 241,310.00*	DEV
W-12-11	12-inch Main-Ranch Road North	$ 256,690.00*	DEV
W-12-15b	1.25 MG Elev. Water Storage	$ 250,000.00	IF
W-12-16	16-inch Main for Elev. Water Storage	$ 40,000.00	IF
W-14-05	8-inch WL Sachse Street to 2nd Street	$ 109,200.00	UF

Note: IF = Impact Fees, DEV = Developer to construct, no funding from City

Drainage Projects - City Funding = $150,000.00

D-15-01	Stormwater Utility Study	$ 150,000.00	UF

Note: UF = Utility Fund

Other Projects - City Funding = $200,000.00

Project #	Project Name	Budget	Fund
O-14-02	Digital Radio Conversion	$ 200,000.00	GF

Note: GF = General Fund, total cost for project is $950,000.00

There are several additional projects that were previously funded and are intended to be constructed and delivered in 2015-2016. These projects include the 5th Street and State Highway 78 Lighting projects, and the 30" Bunker Hill Sanitary Sewer Main.

Multiple important construction projects were completed in the 2014-2015 fiscal year, including the construction of Woodbridge Parkway from Cody Lane to Wylie, Maxwell Creek Road from Ranch Road to Keith Lane, and the re-construction of Williford Road and Big Valley Lane. In addition, the widening of Ranch Road from Harlan Drive to Clearmeadow Lane and the construction of improvements for the railroad quiet zone are underway. Looking forward to 2015-2016 and beyond, there are several major infrastructure projects on the horizon. The final design for the widening of 5th Street and Sachse Road will begin this fall. The design of the future southeast water tower will begin in FY 2015-2016. In addition, the engineering design for the 3rd sanitary sewer connection to Garland is complete, and construction is anticipated to begin in FY 2015-2016. The street lighting improvements for State Highway 78 and 5th Street are also anticipated to be constructed. The projects shown in the out years ending in 2015-2018 do not have funding available to implement. However,

the projects listed for these years are included in the CIP for planning purposes.

Staff Recommendations

No action is necessary for this item. Staff will solicit input from the City Council and the public on the proposed revisions to the 5-year CIP. Staff will also solicit input from the City Council and the public on the methodology for selecting street maintenance projects to be completed in the 2015-2016 fiscal year, using the Street Maintenance Tax funds. Staff will revise the CIP based upon the feedback received, and present a final draft at the August 17th meeting. The 5-year CIP will be adopted with the FY 2015-2016 operating budget.

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Streets CIP

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Updated	Funding Source	Notes
R-12-01a	SH 78 Lighting, from Murphy Road to 5th Street	541,839		450,000	91,839					2015	RCC	Construction 2015-16
R-12-01b	5th/Dewitt Lighting, from SH78 to Ranch Road	310,000		310,000						2015	2006 BOND	Construction 2015-16
R-12-04c	*Maxwell Creek Road - Canyon Crest North*	*1,500,000*	*588,000*		100,000	*1,400,000*				2015	*IF*	15-16 Design*, 16-17 Construction, Collin County fund $588,000*
R-12-08	5th Street/Sachse Road widening - SH 78 to Miles	6,000,000	3,000,000		1,500,000	1,500,000				2015	2006 BOND	Bond Funds and Dallas County MCIP Funding
R-12-09	*Sachse Road Widening - Miles to County Line*	*23,670,000*	*14,525,000*					*500,000*		2015	*TBD*	*Future Dallas County MCIP Funding*
R-12-13	*Sachse Road & Merritt Road Re-alignment*	*3,775,000*	*1,000,000*	*2,775,000**						*2015*	*2006 BOND*	*Project is On Hold, *funds re-allocated to R-12-08*
R-12-14	*Merritt Road - Pleasant Valley to Sachse Road*	*12,000,000*	*4,500,000*							*2015*	*TBD*	*Future Dallas County MCIP Funding*
R-13-03	*Pleasant Valley Road (Merritt Road to City Limit)*	*15,500,000*	*7,400,000*				*500,000*		*1,500,000*	*2015*	*TBD*	*Future Dallas County MCIP Project*
R-13-08	Williford Road Asphalt	210,000		200,000	10,000					2015	SMT	2014-15 & 2015-16 Street Maintenance Tax Project
R-13-11	*Blackburn/Ingram Road (Murphy Road to Dewitt)*	*8,200,000*								*2015*	*TBD*	*Future Widening Project*
R-14-02	Hudson Drive - Rosewood to Sewell	550,000			258,000					2015	DEV/CP/IF	Under Construction, City to fund $220k from CP, $38k from IF
R-14-03	Rosewood Cir. from Ashwood Lane to Hudson Drive	500,000								2015	DEV	Under Construction
R-14-06	2016 CDBG Project	76,173	76,173		76,173					2015	CDBG	2015-16 CDBG Project (Dallas County)
R-15-01	*2015-2016 Street Maintenance Tax Projects*	*304,879*			*304,879*					*2015*	*SMT*	*Staff to Recommend, Council to select projects*
R-15-02	*2018 CDBG Project*	*76,173*	*76,173*				*76,173*			*2015*	*CDBG*	*Future CDBG Projects (every other year per Dallas County)*
R-15-03	*Sachse HS Traffic Signal & Turn Lane Improvements*	*575,000*	*350,000*		*75,000*	*500,000*				*2015*	*CP, TBD*	*City to fund Design (CP), potential County & ISD funds*
R-16-01	*2016-17 Street Maintenance Tax Projects*	*305,000*				*305,000*				*2015*	*SMT*	*Future Street Maintenance Tax Projects*
R-17-01	*2017-18 Street Maintenance Tax Projects*	*305,000*					*305,000*			*2015*	*SMT*	*Future Street Maintenance Tax Projects*
	SUBTOTAL STREETS:	74,399,064	31,515,346	960,000	2,415,891	3,705,000	881,173	500,000	1,500,000			

Note: 2006 Bond = 2006 Bond Funds, IF = Impact Fees, SMT = Street Maintenance Tax, DEV = Developer Funded, RCC = RCC Funds, CP = Capital Project Funds, TBD = Future funding source not currently identifiec

LEGEND

	Project Complete, or Substantially Complete
	Project Underway
	Project with funding source defined
	Future Project, funding not currently available (italicized)

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Updated	Funding Source	Notes
W-12-03	*Additional 4.6 MGD Pump*	*595,000*				*595,000*				*2015*	*IF*	*Future pumps at Public Works*
W-12-04	Bunker Hill 12-inch waterline (North)	110,840	110,840			*110,840*				*2015*	DEV/IF	Remaining segment that has not yet been constructed
W-12-05	*Bunker Hill 12-inch waterline (South)*	*231,540*	*231,540*			*231,540*				*2015*	*DEV*	*Developer to construct*
W-12-08	12-inch WL from Hudson Drive to Westcreek Lane	241,310	241,310		241,310					2015	DEV	Constructed with Jackson Hills Phase 3B
W-12-11	12-inch WL from Ranch Road North 2500 LF	256,690	256,690		256,690					2015	DEV	Constructed with Woodbridge Development
W-12-12	*12-inch WL from Miles to Pleasant Valley (S of PGBT)*	*470,090*								*2015*	*IF*	*Future water system expansion*
W-12-13	*12-inch WL from Pleasant Val. to new Elev. Tank*	*1,083,460*					*60,000*	*1,023,460*		*2015*	*IF*	*Future water system expansion*
W-12-15a	Property for 1.25 MG Elevated Storage Tank	640,000		640,000						*2015*	IF	FY 14-15 funds for purchase of land
W-12-15b	*1.25 MG Elevated Storage Tank*	*3,000,000*			*250,000*	*2,750,000*				*2015*	*IF/UF*	*Elevated Water Storage to meet TCEQ requirements*
W-12-16	*16-inch WL from 1.25 MG Elev. Storage Tank to Merritt Road*	*222,480*			*40,000*	*182,480*				*2015*	*IF/UF*	*Future water main expansion*
W-13-02	*8-inch WL Pleasant Valley Place/Long Branch*	*186,200*				*186,200*				*2015*	*UF*	*Re-construction/upgrade project*
W-14-01	*Maxwell Creek Pump Station - Pump House*	*100,000*				*100,000*				*2015*	*UF*	*Future Upgrade of Pump House*
W-14-02	*12-inch WL Pleasant Valley from Eastview to Pleasant Valley Pl.*	*290,200*					*290,200*			*2015*	*UF*	*Future Reconstruction/upgrade project*
W-14-03	*12-inch WL Pleasant Valley from Pleasant Valley Pl. to Ben Road*	*453,000*					*453,000*			*2015*	*UF*	*Future Reconstruction/upgrade project*
W-14-04	*8-inch WL Ben Road*	*362,600*					*362,600*			*2015*	*UF*	*Future Reconstruction/upgrade project*
W-14-05	*8-inch WL Sachse Street and 2nd Street*	*109,200*			*109,200*					*2015*	*UF*	*Reconstruction/upgrade project*
W-14-06	*8-inch WL Williford Road from Bailey Road to SH 78*	*371,700*							*371,700*	*2015*	*UF*	*Future Reconstruction/upgrade project*
W-14-07	*8-inch WL 3rd Street from SH 78 to Ingram*	*286,200*						*286,200*		*2015*	*UF*	*Future Reconstruction/upgrade project*
W-14-08	*8-inch WL Cartwright from 3rd Street to Big Valley*	*196,800*						*196,800*		*2015*	*UF*	*Future Reconstruction/upgrade project*
W-14-09	*Sachse South Estates Water Main Replacement*	*722,554*							*722,554*	*2015*	*UF*	*Future Reconstruction/upgrade project*
W-14-10	*8-inch WL from Pecan Grove to Ponderosa*	*80,400*				*80,400*				*2015*	*UF*	*Future Reconstruction/upgrade project*
W-15-01	*Sachse Road 4" Water Main Abandonment*	*80,400*								*2015*	*UF*	*Future abandonment with Sachse Road widening*
	SUBTOTAL WATER:	10,090,664	840,380	640,000	897,200	4,236,460	1,165,800	1,506,460	1,094,254			

Note: 2006 Bond = 2006 Bond Funds, IF = Impact Fees, SMT = Street Maintenance Tax, DEV = Developer Funded, RCC = RCC Funds, CP = Capital Project Funds, TBD = Future funding source not currently identifie

LEGEND

	Project Complete, or Substantially Complete
	Project Underway
	Project with funding source defined
	Future Project, funding not currently available (italicized)

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Updated	Funding Source	Notes
SS-12-01	30-inch Sanitary Sewer Bunker Hill Road	775,000		775,000							IF	Design 95% Complete, 2015-2016 construction
SS-12-05	Line "G" - Construction of Aerial Crossing for 3rd conn. to Garland	900,000		900,000							EDC/TIF	Design 95% Complete, 2015-2016 construction
SS-12-06	Line "G" - Construction of 24-inch from aerial crossing to north of PGBT	1,200,000		1,200,000							EDC/TIF	Design 95% Complete, 2015-2016 construction
SS-12-07	Construction of 8-inch trunk line from Line "G" to Pleasant Valley Road	400,000		400,000							EDC/TIF	Design 95% Complete, 2015-2016 construction
SS-12-08	*Southeast Lift Station*	*1,685,000*		*125,000*	*300,000*	*940,000*		*210,000*	*210,000*		*GF, IF, UF*	*Preliminary design complete, IF to fund final design in 15-16*
SS-12-09	*Line "A" - Construction of 24-inch trunk line from Sachse Rd. to SELS*	*3,500,000*		*300,000*		*500,000*	*2,700,000*				*IF, UF*	*Preliminary design complete in 2014, final design in 15-16*
SS-12-10	*Force Main, Line "C"*	*2,989,000*		*164,000*		*925,000*	*1,900,000*				*IF, CP*	*Preliminary design complete, final design in 15-16*
SS-12-11	*Line "C" - 12-inch trunk line along north side PGBT*	*529,000*				*529,000*					*TIF, TBD*	*Preliminary Design with SS-12-10, final design in 15-16*
SS-12-12	*8-inch trunk line on south side of PGBT to Line "C"*	*290,000*				*90,000*	*200,000*				*TIF, TBD*	*Partial TIF funding elligible*
SS-12-13	*8-inch trunk line on north side of PGBT to Line "C"*	*260,000*				*80,000*	*180,000*				*TIF, TBD*	*Preliminary Design included with SS-12-10*
SS-12-14	*Line "D" - 10-inch trunk line from south of PGBT to MRLS*	*425,000*					*150,000*	*275,000*	*275,000*		*TIF, TBD*	*Partial TIF funding elligible*
SS-12-15	*8-inch mains (East-West) connecting to Line "D"*	*210,000*					*70,000*	*140,000*	*140,000*		*TIF, TBD*	*Partial TIF funding elligible*
SS-12-16	*8-inch branch line north of PGBT to Line "C"*	*145,000*					*40,000*	*105,000*	*105,000*		*TBD*	*Preliminary Design included with SS-12-10*
SS-12-17	*Infiltration-Inflow Study and Improvements for Sachse Estates Area*	*750,000*					*75,000*	*675,000*	*675,000*		*TBD*	*Sewer Study and Reconstruction*
SS-12-18	*Line "E" - 10-inch trunk line from Line "G" along south City Limits*	*350,000*						*350,000*	*350,000*		*TBD*	*Future project (> 5-yr) unless development driven*
SS-13-01	*8-inch main - easement from Bonanza Ct. to Vicksburg Drive*	*177,164*			*177,164*						*UF*	*Re-construction/upgrade project*
SS-13-03	*8-inch main - 3rd Street*	*113,000*		*113,000*							*CP*	*Reconstruction project*
SS-13-05	*8-inch main - easement north of Brookview Court*	*44,000*		*44,000*							*CP*	*Reconstruction project*
SS-14-01	*8-inch main from Old City Hall to Sachse Street*	*194,600*				*194,600*					*UF*	*Future Reconstruction/upgrade project*
SS-14-02	*8-inch main - Natchez from Jefferson to Cornwall*	*206,500*					*206,500*				*UF*	*Future Reconstruction/upgrade project*
SS-14-03	*8-inch main - Bryan Street from Williford to William*	*141,600*					*141,600*				*UF*	*Future Reconstruction/upgrade project*
SS-14-04	*8-inch main - Bailey Road*	*481,400*						*481,400*			*UF*	*Future Reconstruction/upgrade project*
SS-14-05	*Sachse Ranch Estates Sewer Replacement*	*921,564*							*921,564*		*UF*	*Future Reconstruction/upgrade project*
SS-14-06	*Industrial Park Sanitary Sewer*	*189,700*					*189,700*				*UF*	*Future Reconstruction/upgrade project*
SS-14-07	*8-inch main - Sachse Farms to Woodbridge West*	*124,000*				*124,000*					*UF*	*Future Reconstruction/upgrade project*
SS-14-08	*Sachse South Estates Sewer Main Replacement*	*715,906*							*715,906*		*UF*	*Future Reconstruction/upgrade project*
	SUBTOTAL SANITARY SEWER:	17,717,434	0	4,021,000	477,164	3,382,600	5,852,800	2,236,400	3,392,470			

Note: 2006 Bond = 2006 Bond Funds, IF = Impact Fees, SMT = Street Maintenance Tax, DEV = Developer Funded, RCC = RCC Funds, CP = Capital Project Funds, TBD = Future funding source not currently identified

LEGEND

	Project Complete, or Substantially Complete
	Project Underway
	Project with funding source defined
	Future Project, funding not currently available (italicized)

Drainage CIP

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Updated	Funding Source	Notes
D-15-01	*Stormwater Utility Study*	*150,000*			*150,000*					*2015*	*UF*	*Identify drainage obligations/funding*
	SUBTOTAL DRAINAGE:	150,000	0	0	150,000	0	0	0	0			

Note: 2006 Bond = 2006 Bond Funds, IF = Impact Fees, SMT = Street Maintenance Tax, DEV = Developer Funded, RCC = RCC Funds, CP = Capital Project Funds, TBD = Future funding source not currently identified

LEGEND

	Project Complete, or Substantially Complete
	Project Underway
	Project with funding source defined
	Future Project, funding not currently available (italicized)

Other CIP Projects

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	FY 16-17	FY 17-18	FY 18-19	FY 19-20	Updated	Funding Source	Notes
O-14-01	*Heritage Park - Parking Expansion*	*130,000*				*130,000*				*2015*	*TBD*	*City Council to identify future funding*
O-14-02	*Digital Radio Conversion*	*950,000*		*750,000*	*200,000*					*2015*	*GF*	*Convert system to meet State/Fed guidelines*
	SUBTOTAL OTHER PROJECTS:	1,080,000	0	750,000	200,000	130,000	0					

Note: 2006 Bond = 2006 Bond Funds, IF = Impact Fees, SMT = Street Maintenance Tax, DEV = Developer Funded, RCC = RCC Funds, CP = Capital Project Funds, TBD = Future funding source not currently identified

LEGEND

	Project Complete, or Substantially Complete
	Project Underway
	Project with funding source defined
	Future Project, funding not currently available (italicized)

City of Sachse

STREET MAINTENANCE REPORT

FY 2015-2016

Sachse is a tranquil community welcoming the future while offering a safe and enjoyable quality of life to all those who call Sachse home.

Overview

In an effort to better identify, quantify, and plan for the maintenance needs of public streets in the City of Sachse, City staff has prepared the 2015-2016 Street Maintenance Report. This report provides the findings of City staff regarding 43 streets within the City that are known to have current maintenance needs. Staff utilized the Pavement Surface Evaluation and Rating system (PASER) to evaluate and score the streets identified in the report.

The intent of this report is to become a living document that is updated annually. The document will grow over time to include all streets within the City which are identified to have maintenance needs. As streets are improved or re-constructed, they may be removed from the report. The City will continue to identify street maintenance needs, utilize the PASER system to score each street, and document the findings in future years.

PASER

The PASER system was developed by the University of Wisconsin-Madison in conjunction with the Federal Highway Administration, the State of Wisconsin, and transportation professionals. The system provides a simple method for public officials to review and score public streets of various paving types, based upon visual observations. The PASER system is commonly utilized throughout the United States, and the Dallas-Fort Worth region by many municipalities and public agencies.

Report Documents

Included in this report are the following items:

- PASER Concrete street scoring sheet
- PASER Asphalt street scoring sheet
- Spreadsheet of all identified streets and estimated maintenance costs
- Individual sheets for each of the 25 concrete streets and 18 asphalt streets included in the report

Contact Information

For questions or comments related to this document, please contact City Engineer Greg Peters, P.E., at 469-429-4792, or by email at gpeters@cityofsachse.com.

2015 - 2016 Potential Street Department Rehabilitation Projects

2015-16 Street Maintenance Tax:	$	305,000.00
FY 15-16 Street Department Budget:	$	200,000.00
Remaining FY Budget Available:	$	505,000.00

8-inch Concrete Replacement:	$115.00 per SY
6-inch Concrete Replacement:	$109.00 per SY
Asphalt Pavement Replacement:	$30.00 per SY

Prepared By: Greg Peters, P.E.
Date: July 24, 2015

Project #	Street Name	Intersections	Replacement Type	Pavement Type	Pavement Thickness	Replacement Width (ft)	Replacement Length (ft)	Replacement Area (SY)	Unit Price	Estimated Cost	Comments	PASER Rating	Priority
C1	Woodbridge Parkway	Intersection at Sachse Road	Panel	Concrete	8"	70	74	575.56	$ 115.00	$ 66,188.89	Structural failure with severe cracking	2	
C2	Parkview Drive	at Parkridge Drive	Panel	Concrete	6"	28	140	435.56	$ 109.00	$ 47,475.56	Severe cracking and heaving	3	
C3	Bryan Street	Sachse Road to Williford	Panel	Concrete	8"	31	600	2,066.67	$ 115.00	$ 237,666.67	Panel failure with asphalt patching that is failing	3	
C4	Annapolis Court	at Pomotmac Drive	Panel	Concrete	6"	31	90	310.00	$ 109.00	$ 33,790.00	Cracking and spalling, crack seal patching failing	4	
C5	Tina Street	Dewitt to Sachse	Panel	Concrete	6"	28	455	1,415.56	$ 109.00	$ 154,295.56	Significant spalling and cracking, asphalt patching is failing	3	
C6	Tina Street	Sachse to Kellie	Panel	Concrete	6"	28	245	762.22	$ 109.00	$ 83,082.22	Significant spalling and cracking, asphalt patching is failing	3	
C7	West Creek	Timber Creek to Dogwood Court	Panel	Concrete	8"	31	410	1,412.22	$ 115.00	$ 162,405.56	Failing asphalt patching, structural failure in some areas	3	
C8	Highridge Drive	Ben Davis to Ridgeview	Panel	Concrete	6"	31	230	792.22	$ 109.00	$ 86,352.22	Structural cracking, dropped panels holding water	4	
C9	Alley behind Armstrong	Ben Davis to Lee Hutson	Panel	Concrete	6"	-	-	-	N/A	$ 60,000.00	Drainage improvements - ponding water (6"+) in low spots	7	
C10	Park Lane	SH 78 to Industrial	Panel	Concrete	8"	31	180	620.00	$ 115.00	$ 71,300.00	Structural failure in some areas, asphalt patching failing	2	
C11	Industrial Drive	End to End	Panel	Concrete	8"	31	460	1,584.44	$ 115.00	$ 182,211.11	Multiple structural failures, patching failing, deep cracks and spalling	1	
C12	Hunters Ridge Drive	Miles Road to Emerson	Panel	Concrete	8"	31	540	1,860.00	$ 115.00	$ 213,900.00	Moderate to severe cracking and spalling, joints separating (>1/2")	4	
C13	Brookview Court Alley	N/A	Panel	Concrete	6"	15	410	683.33	$ 109.00	$ 74,483.33	Structural failure and drainage problems - CDBG eligible	2	
C14	Brookhollow Drive	Alexander to Brookview	Panel	Concrete	8"	28	160	497.78	$ 115.00	$ 57,244.44	Significant spalling, minor cracking, failing asphalt repairs	4	
C15	Brookview Drive	Brookhollow to Brookview Ct.	Panel	Concrete	8"	31	440	1,515.56	$ 115.00	$ 174,288.89	Failing asphalt patching, spalling and cracking, structural failure in some areas	4	
C16	Cedar Brook Ct.	West Creek to End	Panel	Concrete	8"	28	160	497.78	$ 115.00	$ 57,244.44	Moderate scaling and spalling, moderate cracking, settlement of panels	5	
C17	Park Lake Blvd.	Sachse Road to Brookglen Dr.	Panel	Concrete	8"	28	440	1,368.89	$ 115.00	$ 157,422.22	Failing asphalt patching, spalling and cracking, structural failure in some areas	4	
C18	Alexander St.	Sachse Road to Brookhollow Dr.	Panel	Concrete	8"	28	200	622.22	$ 115.00	$ 71,555.56	Moderate to severe cracking, asphalt patching failing	4	
C19	Salmon Street	3407 Salmon to Jewel St.	Panel	Concrete	8"	31	320	1,102.22	$ 115.00	$ 126,755.56	Moderate to severe cracking, asphalt patching failing	4	
C20	William Street	Jewel St. to Bryan St.	Panel	Concrete	8"	28	280	871.11	$ 115.00	$ 100,177.78	Moderate to severe cracking, extensive asphalt patching failing	3	
C21	7th Street	Boone Street to Salmon Street	Panel	Concrete	8"	28	360	1,120.00	$ 115.00	$ 128,800.00	Moderate to severe cracking, asphalt patching failing	4	
C22	Lillie Street	From 3714 to 32810 Lillie Street	Panel	Concrete	8"	28	160	497.78	$ 115.00	$ 57,244.44	Severe scaling and polishing, some cracking and failing asphalt patching	4	
C23	Kellie Street	3204 Kellie St. to Leasa Ct.	Panel	Concrete	8"	28	140	435.56	$ 115.00	$ 50,088.89	Moderate cracking, panel settlement	5	
C24	Leasa Ct.	Kellie St. to Tina St.	Panel	Concrete	8"	28	450	1,400.00	$ 115.00	$ 161,000.00	Major scaling and spalling, some cracking and failing asphalt patching	4	
C25	Angie Pl.	Leasa to end of cul-de-sac	Panel	Concrete	8"	28	220	684.44	$ 115.00	$ 78,711.11	Severe scaling and spalling	4	

Project #	Street Name	Intersections	Replacement Type	Pavement Type	Pavement Thickness	Replacement Width (ft)	Replacement Length (ft)	Replacement Area (SY)	Unit Price	Estimated Cost	Comments	PASER Rating	Priority
A1	Meadowcreek	Westcreek to End	Full Depth	Asphalt	5"	24	725	1933.33	$ 30.00	$ 58,000.00	Alligator cracking and severe rutting - two deep ruts (>3")	2	
A2	Bailey Road	Hooper to Sachse Road	Full Depth	Asphalt	5"	24	4700	12533.33	$ 30.00	$ 376,000.00	Moderate rutting, patches in poor condition, moderate cracking	3	
A3	Hooper Road	Bailey Road to SH 78	Full Depth	Asphalt	5"	24	790	2106.67	$ 30.00	$ 63,200.00	Moderate rutting, patches in poor condition, moderate cracking	3	
A4	Sachse Road	SH 78 to 5th Street	Full Depth	Asphalt	5"	24	1600	4266.67	$ 30.00	$ 128,000.00	Moderate rutting and cracking, several deeper ruts	3	
A5	Sachse Road	Public Works to City Limit	Full Depth	Asphalt	5"	24	1950	5200.00	$ 30.00	$ 156,000.00	Alligator cracking and low to moderate rutting	3	
A6	Sachse Street	5th to 6th	Full Depth	Asphalt	5"	24	250	666.67	$ 30.00	$ 20,000.00	Alligator cracking and severe rutting	2	
A7	West Creek	Sachse Road to Timber Creek	Full Depth	Asphalt	5"	24	1650	4400.00	$ 30.00	$ 132,000.00	Alligator cracking and severe rutting	2	
A8	Sachse Street	Ben Davis to 3rd	Full Depth	Asphalt	5"	24	1200	3200.00	$ 30.00	$ 96,000.00	Loss of surface integrity - asphalt is loose and worn away	1	
A9	2nd Street	Bonanza Dr. to Sachse St.	Full Depth	Asphalt	5"	24	1200	3200.00	$ 30.00	$ 96,000.00	Severe rutting and cracking, surface integrity is lost	1	
A10	Dewitt Street	Ponderosa Tr. To 3rd St.	Full Depth	Asphalt	5"	24	970	2586.67	$ 30.00	$ 77,600.00	Alligator cracking and severe rutting	2	
A11	Pleasant Valley Place	Pleasant Valley Road to End	Full Depth	Asphalt	5"	24	1060	2826.67	$ 30.00	$ 84,800.00	Alligator cracking and severe rutting	2	
A12	Longbranch Court	Pleasant Valley Pl. to End	Full Depth	Asphalt	5"	24	770	2053.33	$ 30.00	$ 61,600.00	Alligator cracking and severe rutting	2	
A13	Salmon Street	SH 78 to 3407 Salmon Street	Full Depth	Asphalt	5"	24	640	1706.67	$ 30.00	$ 51,200.00	Alligator cracking and severe rutting	2	
A14	Pecan Grove Dr.	Murphy Road to End	Full Depth	Asphalt	5"	24	1030	2746.67	$ 30.00	$ 82,400.00	Alligator cracking and severe rutting	2	
A15	Hilltop Tr. & Meadow Ln.	Murphy Rd. to Blackburn Rd.	Full Depth	Asphalt	5"	24	2260	6026.67	$ 30.00	$ 180,800.00	Alligator cracking and severe rutting	2	
A16	Anthony Ln.	Williford Rd. to Bailey Rd.	Full Depth	Asphalt	5"	24	2460	6560.00	$ 30.00	$ 196,800.00	Alligator cracking and low to moderate rutting	3	
A17	6th Street & Alexander	Boone St. to 5th	Full Depth	Asphalt	5"	24	660	1760.00	$ 30.00	$ 52,800.00	Alligator cracking and severe rutting	2	
A18	6th Street	Sachse St. to 5th	Full Depth	Asphalt	5"	24	540	1440.00	$ 30.00	$ 43,200.00	Loss of surface integrity - asphalt is loose and worn away	1	

Total Anticipated Maintenance Cost	$ 4,650,084.44

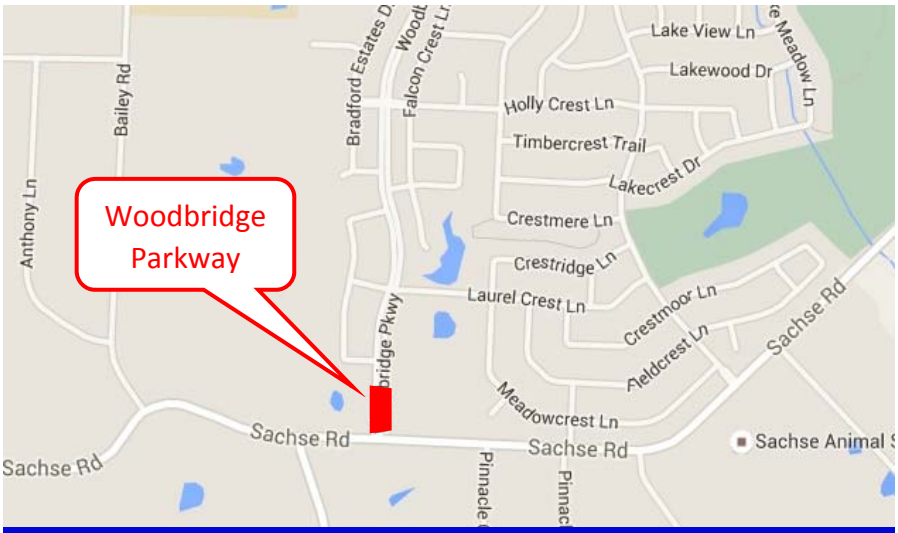
**Note: Concrete and asphalt construction costs are volatile. The estimatres provided are based upon recent cost data for Summer 2015.*

Concrete Streets

Rating system

Surface rating	*Visible distress**	*General condition/ treatment measures*
10 Excellent	None.	New pavement. No maintenance required.
9 Excellent	Traffic wear in wheelpath. Slight map cracking or pop-outs.	Recent concrete overlay or joint rehabilitation. Like new condition. No maintenance required.
8 Very Good	Pop-outs, map cracking, or minor surface defects. Slight surface scaling. Partial loss of joint sealant. Isolated meander cracks, tight or well sealed. Isolated cracks at manholes, tight or well sealed.	More surface wear or slight defects. Little or no maintenance required.
7 Good	More extensive surface scaling. Some open joints. Isolated transverse or longitudinal cracks, tight or well sealed. Some manhole displacement and cracking. First utility patch, in good condition. First noticeable settlement or heave area.	First sign of transverse cracks (all tight); first utility patch. More extensive surface scaling. Seal open joints and other routine maintenance.
6 Good	Moderate scaling in several locations. A few isolated surface spalls. Shallow reinforcement causing cracks. Several corner cracks, tight or well sealed. Open (1/4" wide) longitudinal or transverse joints and more frequent transverse cracks (some open 1/4").	First signs of shallow reinforcement or corner cracking. Needs general joint and crack sealing. Scaled areas could be overlaid.
5 Fair	Moderate to severe polishing or scaling over 25% of the surface. High reinforcing steel causing surface spalling. Some joints and cracks have begun spalling. First signs of joint or crack faulting (1/4"). Multiple corner cracks with broken pieces. Moderate settlement or frost heave areas. Patching showing distress.	First signs of joint or crack spalling or faulting. Grind to repair surface defects. Some partial depth patching or joint repairs needed.
4 Fair	Severe polishing, scaling, map cracking, or spalling over 50% of the area. Joints and cracks show moderate to severe spalling. Pumping and faulting of joints (1/2") with fair ride. Several slabs have multiple transverse or meander cracks with moderate spalling. Spalled area broken into several pieces. Corner cracks with missing pieces or patches. Pavement blowups.	Needs some full depth repairs, grinding, and/or asphalt overlay to correct surface defects.
3 Poor	Most joints and cracks are open, with multiple parallel cracks, severe spalling, or faulting. D-cracking is evident. Severe faulting (1") giving poor ride. Extensive patching in fair to poor condition. Many transverse and meander cracks, open and severely spalled.	Needs extensive full depth patching plus some full slab replacement.
2 Very Poor	Extensive slab cracking, severely spalled and patched. Joints failed. Patching in very poor condition. Severe and extensive settlements or frost heaves.	Recycle and/or rebuild pavement.
1 Failed	Restricted speed. Extensive potholes. Almost total loss of pavement integrity.	Total reconstruction.

** Individual pavements will not have all of the types of distress listed for any particular rating. They may have only one or two types.*



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

WOODBRIDGE PARKWAY

Location
From: Sachse Road
To: 75 feet north

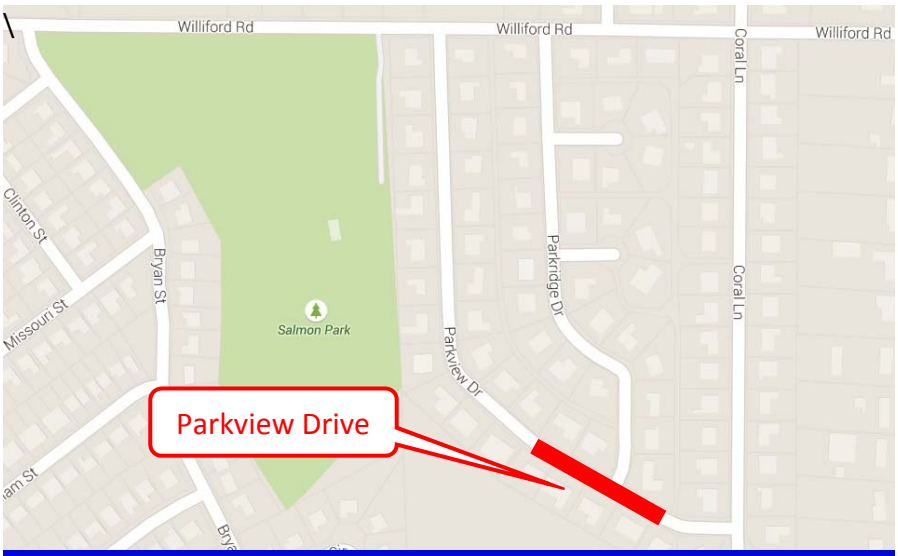
Street Details
Classification: Minor Arterial
Year Built: 1999
Street Width: 70-feet
Replacement Length: 75-feet
Material Type: Concrete
Material Details: 8”

Pavement Assessment
Failure Type: Structural failure
PASER Score: 2
Condition Overview: structural failure of concrete panels with deep open cracks

Utility Details
Water: 12” PVC (east side)
Sewer: 8” PVC (west side)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $67,000.00
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

PARKVIEW DRIVE

Location
At: Intersection of Parkridge Drive

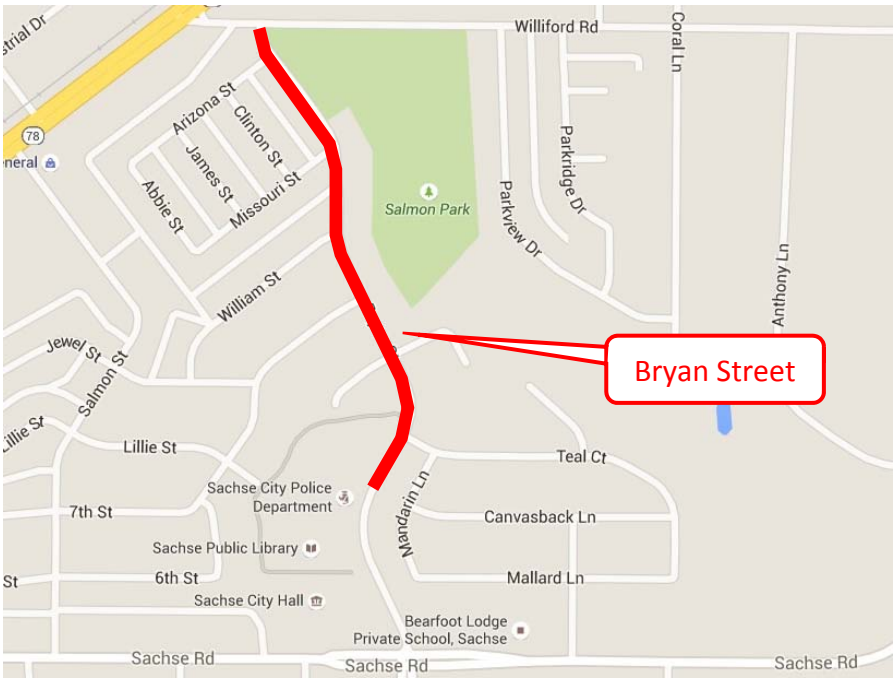
Street Details
Classification: Local
Year Built: 1984
Street Width: 28 ft
Replacement Length: 140 ft
Material Type: Concrete
Material Details: 6”

Pavement Assessment
Failure Type: Cracking and Heaving
PASER Score: 3
Condition Overview: Severe Cracking and Heaving

Utility Details
Water: 6” PVC (east side)
Sanitary Sewer: 6” PVC (center)
Storm: 24” (west side)

Recommendations
Action: Panel Replacement
Scope: Remove and Replace
Anticipated Cost: $47,500
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

BRYAN STREET

Location
From: Sachse Road
To: Williford Road

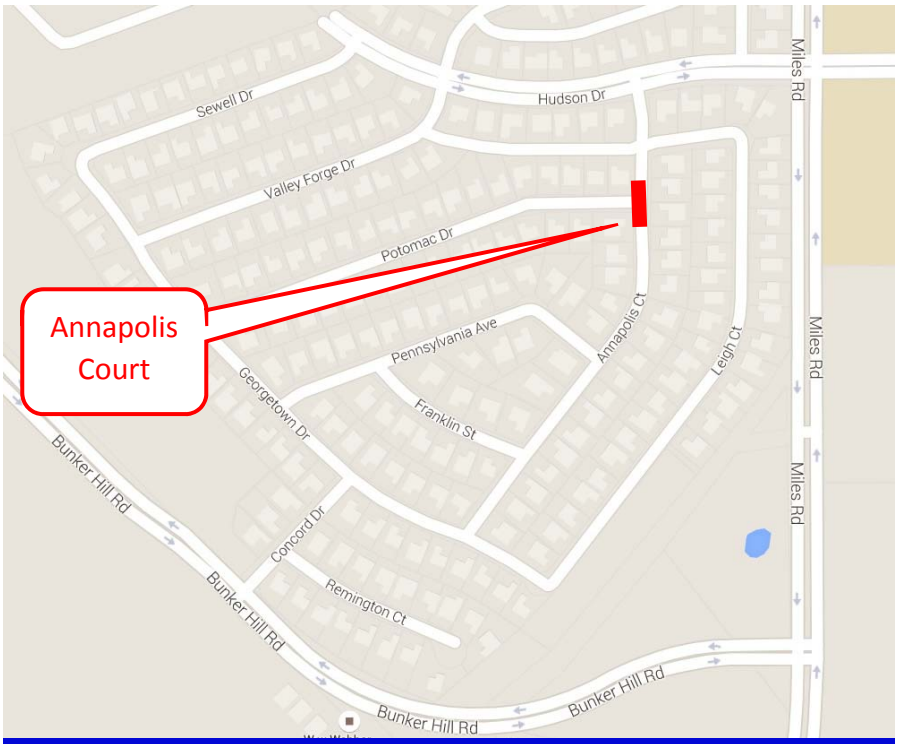
Street Details
Classification: Collector
Year Built: 1983
Street Width: 31 ft
Replacement Length: 600 ft
Material Type: Concrete
Material Details: 8”

Pavement Assessment
Failure Type: Cracking and Panel Failure
PASER Score: 3
Condition Overview: Panel failure with asphalt patching that is failing

Utility and Details
Water: 8” and 6” PVC (east side)
Sanitary Sewer: 6” PVC (center)
Storm: 36” (east side)

Recommendations
Action: Panel Replacement
Scope: Remove and replace
Anticipated Cost: $238,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

ANNAPOLIS COURT

Location
Intersection: Potomac Drive

Street Details
Classification: Local
Year Built: 1997
Street Width: 31 feet
Replacement Length: 90 feet
Material Type: Concrete
Material Details: 6”

Pavement Assessment
Failure Type: Cracking and Spalling
PASER Score: 4
Condition Overview: Cracking and spalling, crack seal patching failing

Utility Details
Water: 8” PVC (west side)
Sanitary Sewer: 6” PVC (east side)
Storm: N/A

Recommendations
Action: Panel Replacement
Scope: Remove and replace
Anticipated Cost: $34,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

TINA STREET

Location
From: Dewitt
To: Sachse Street

Street Details
Classification: Local Street
Year Built: 1984
Street Width: 28 ft
Replacement Length: 455 ft
Material Type: Concrete
Material Details: 6” Concrete

Pavement Assessment
Failure Type: Spalling and Cracking
PASER Score: 3
Condition Overview: Significant Spalling and cracking, asphalt patching is failing

Utility Details
Water: 8” PVC (south side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $155,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

TINA STREET

Location
From: Sachse Street
To: Kellie Street

Street Details
Classification: Local Street
Year Built: 1984
Street Width: 28 ft
Street Length: 245 ft
Material Type: Concrete
Material Details: 6” Concrete

Pavement Assessment
Failure Type: Spalling and Cracking
PASER Score: 3
Condition Overview: Significant Spalling and cracking, asphalt patching is failing

Utility Details
Water: 8” PVC (south and east side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $83,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

WEST CREEK

Location
From: Timber Creek
To: Dogwood Court

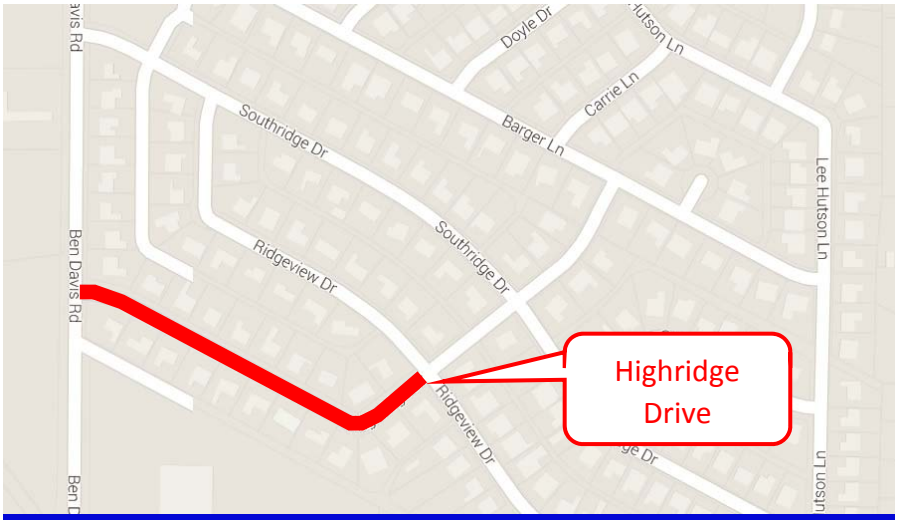
Street Details
Classification: Local Street
Year Built: 1985 & 1994
Street Width: 31 ft
Replacement Length: 410 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Structural failure
PASER Score: 3
Condition Overview: Failing asphalt patching, structural failure in some areas

Utility Details
Water: 8” PVC (east side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $163,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

HIGHRIDGE DRIVE

Location
From: Ben Davis
To: Ridgeview

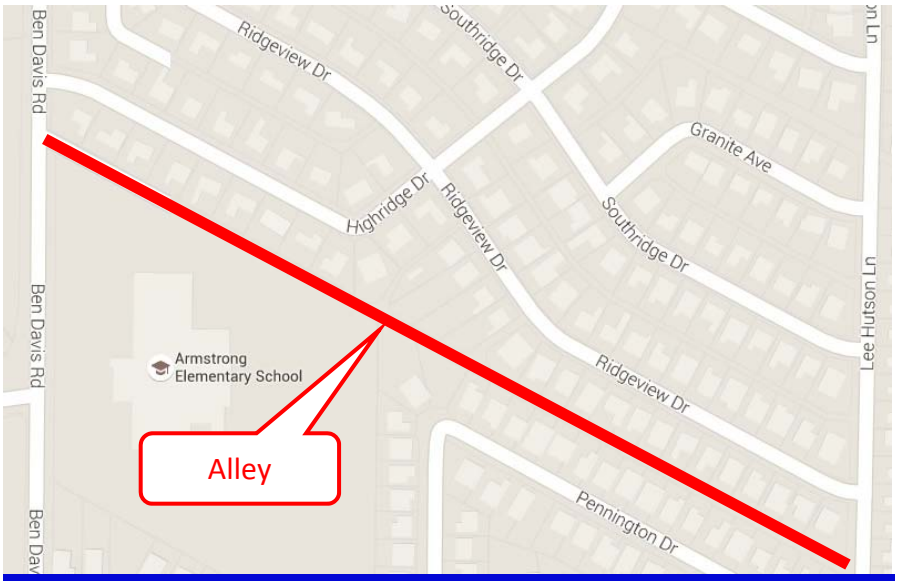
Street Details
Classification: Local Street
Year Built: 1984
Street Width: 31 ft
Replacement Length: 230 ft
Material Type: Concrete
Material Details: 6” Concrete

Pavement Assessment
Failure Type: Structural cracking
PASER Score: 4
Condition Overview: Structural cracking, dropped panels holding water

Utility Details
Water: 6” PVC (south and east sides)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $87,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

ALLEY BEHIND ARMSTONG ELEMENTARY

Location
From: Ben Davis
To: Lee Hutson

Street Details
Classification: Alley
Year Built: 1984
Street Width: 10 ft
Replacement Length: N/A
Material Type: Concrete
Material Details: 6” Concrete

Pavement Assessment
Failure Type: Drainage
PASER Score: 7
Condition Overview: ponding water (6”+) in some areas

Utility Details
Water: N/A
Sanitary Sewer: N/A
Storm: N/A

Recommendations
Action: Install grate inlets and storm pipe
Scope: Limited removal and replacement for storm
Anticipated Cost: $60,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

PARK LANE

Location
From: State Highway 78
To: Industrial

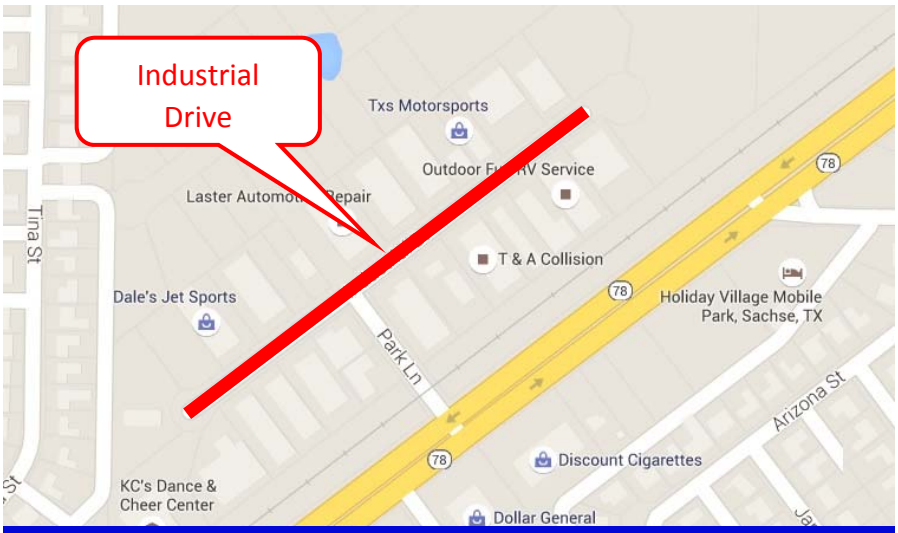
Street Details
Classification: Local Street
Year Built: 1983
Street Width: 31 ft
Replacement Length: 180 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Structural failure
PASER Score: 2
Condition Overview: Structural failure in some areas, asphalt patching failing

Utility Details
Water: N/A
Sanitary N/A
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $72,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

INDUSTRIAL DRIVE

Location
From: End
To: End

Street Details
Classification: Local Street
Year Built: 1983
Street Width: 31 ft
Replacement Length: 460 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Multiple Structural failures
PASER Score: 1
Condition Overview: Multiple structural failures, patching failing, deep cracks and spalling

Utility Details
Water: 6” PVC (south side)
Sanitary Sewer: 6” PVC (north side)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $183,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

HUNTERS RIDGE DRIVE

Location
From: Miles Road
To: Emerson

Street Details
Classification: Local Street
Year Built: 1990
Street Width: 31 ft
Replacement Length: 540 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Moderate to severe cracking and spalling
PASER Score: 4
Condition Overview: Moderate to severe cracking and spalling, joints separating (> ½”)

Utility Details
Water: 8” PVC (north side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $214,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

BROOKVIEW COURT ALLEY

Location
From: N/A
To: N/A

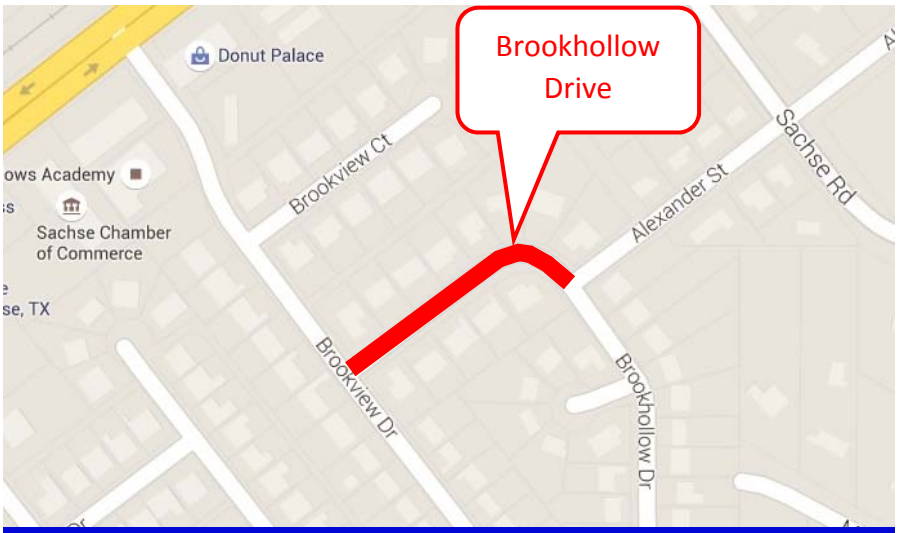
Street Details
Classification: Alley
Year Built: 1985
Street Width: 15 ft
Replacement Length: 410 ft
Material Type: Concrete
Material Details: 6” Concrete

Pavement Assessment
Failure Type: Structural failure and drainage
PASER Score: 2
Condition Overview: Structural failure and drainage problems - CDBG eligible

Utility Details
Water: N/A
Sanitary Sewer: N/A
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $75,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

BROOKHOLLOW DRIVE

Location
From: Alexander
To: Brookview

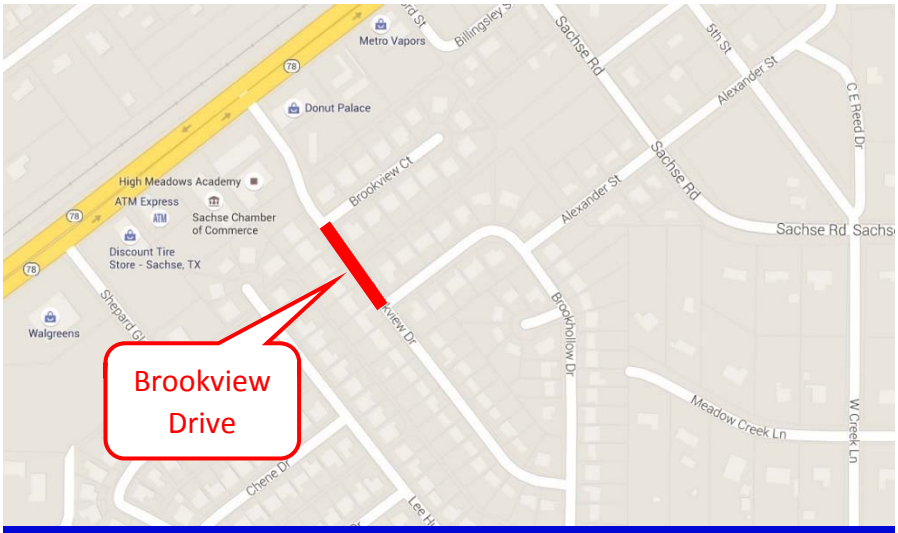
Street Details
Classification: Local Street
Year Built: 1982
Street Width: 28 ft
Replacement Length: 160 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Spalling and cracking
PASER Score: 4
Condition Overview: Significant spalling, minor cracking and failing asphalt repairs

Utility Details
Water: 6” PVC (south side)
Sanitary Sewer: 6” PVC (north side)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $58,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

BROOKVIEW DRIVE

Location
From: Brookhollow
To: Brookview Court

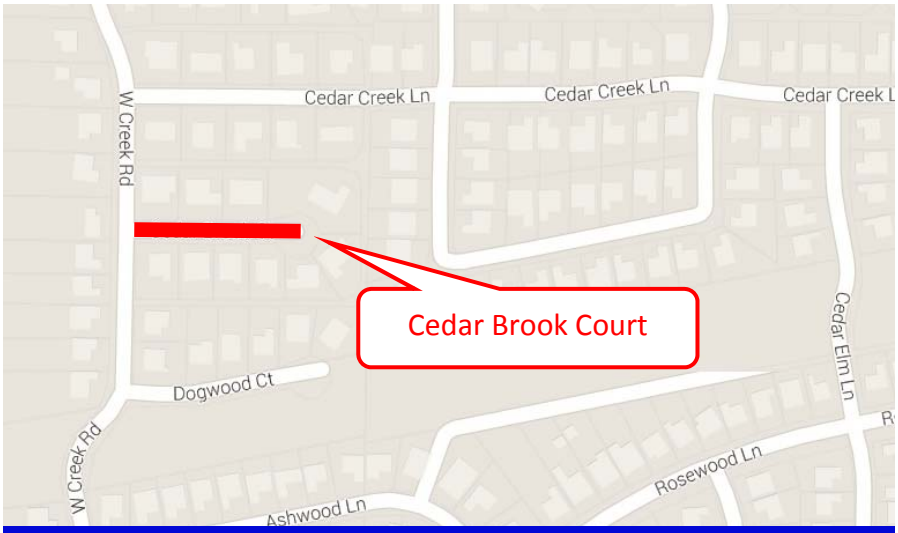
Street Details
Classification: Local Street
Year Built: 1983
Street Width: 31 ft
Replacement Length: 440 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Spalling and cracking
PASER Score: 4
Condition Overview: Failing asphalt patching, spalling, cracking and structural failure in some areas

Utility Details
Water: 6” PVC (north side)
Sanitary Sewer: 6” PVC (south side)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $175,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

CEDAR BROOK COURT

Location
From: West Creek
To: End

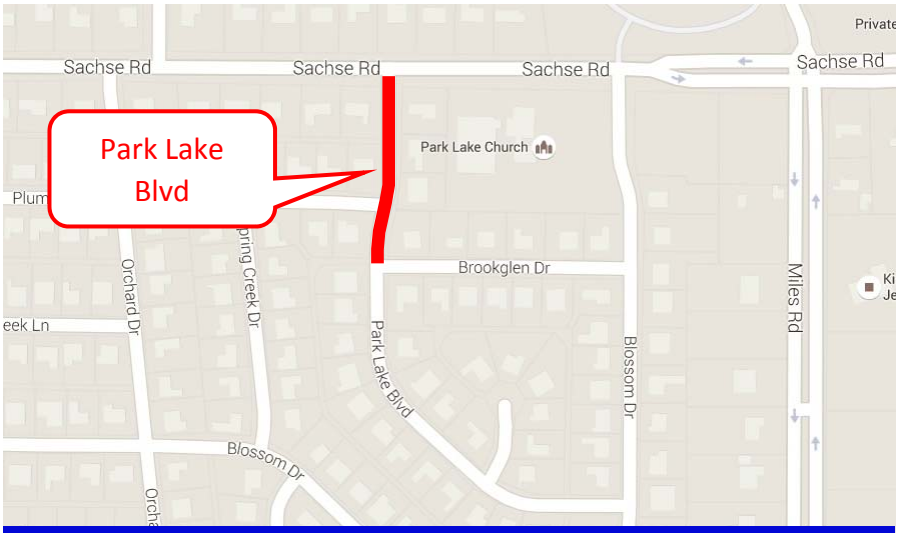
Street Details
Classification: Local Street
Year Built: 1985
Street Width: 28 ft
Replacement Length: 160 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Spalling and scaling
PASER Score: 5
Condition Overview: Moderate scaling and spalling, moderate cracking and settlement of panels

Utility Details
Water: 6” PVC (south side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $58,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

PARK LAKE BLVD

Location
From: Sachse Rd
To: Brookglen Dr

Street Details
Classification: Local Street
Year Built: 1984
Street Width: 28 ft
Replacement Length: 440 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Spalling and scaling
PASER Score: 4
Condition Overview: Failing asphalt patching, spalling, cracking, and structural failure in some areas

Utility Details
Water: 6” PVC (west side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $158,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

ALEXANDER STREET

Location
From: Sachse Rd
To: Brookhollow Dr

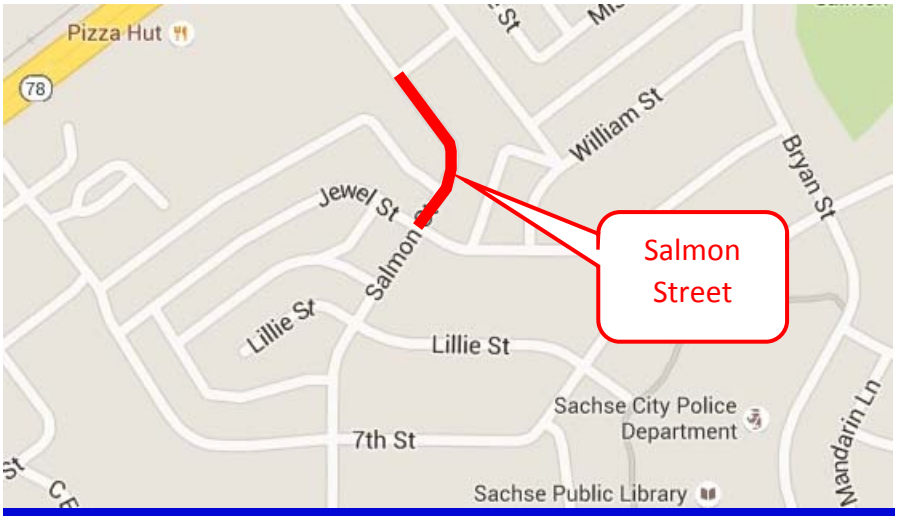
Street Details
Classification: Local Street
Year Built: 1980
Street Width: 28 ft
Replacement Length: 200 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Cracking
PASER Score: 4
Condition Overview: Moderate to severe cracking, asphalt patching failing

Utility Details
Water: 6” PVC (south side)
Sanitary Sewer: 6” PVC (north side)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $72,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

SALMON STREET

Location
From: Jewel St
To: 3407 Salmon St

Street Details
Classification: Local Street
Year Built: 1982
Street Width: 31 ft
Replacement Length: 320 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Cracking
PASER Score: 4
Condition Overview: Moderate to severe cracking, asphalt patching failing

Utility Details
Water: 6” PVC (south side)
Sanitary Sewer: 6” PVC (north side)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $127,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

WILLIAM STREET

Location
From: Jewel St
To: Bryan St

Street Details
Classification: Local Street
Year Built: 1983
Street Width: 28 ft
Replacement Length: 280 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Cracking
PASER Score: 3
Condition Overview: Moderate to severe cracking, extensive asphalt patching failing

Utility Details
Water: 6” PVC (north side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $101,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

7TH STREET

Location
From: Boone St
To: Salmon St

Street Details
Classification: Local Street
Year Built: 1984
Street Width: 28 ft
Replacement Length: 360 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Cracking
PASER Score: 3
Condition Overview: Moderate to severe cracking, asphalt patching failing

Utility Details
Water: 6” PVC (south side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $129,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

LILLIE STREET

Location
From: 3714 Lillie St
To: 3810 Lillie St

Street Details
Classification: Local Street
Year Built: 1984
Street Width: 28 ft
Replacement Length: 160 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Scaling and polishing
PASER Score: 4
Condition Overview: Severe scaling and polishing, some cracking and failing asphalt patching

Utility Details
Water: 6” PVC (north side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $58,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

KELLIE STREET

Location
From: 3402 Kellie St
To: Leasa Court

Street Details
Classification: Local Street
Year Built: 1985
Street Width: 28 ft
Replacement Length: 140 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Cracking
PASER Score: 5
Condition Overview: Moderate cracking and panel settlement

Utility Details
Water: 6” PVC (south side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $51,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

LEASA COURT

Location
From: Kellie St
To: Tina St

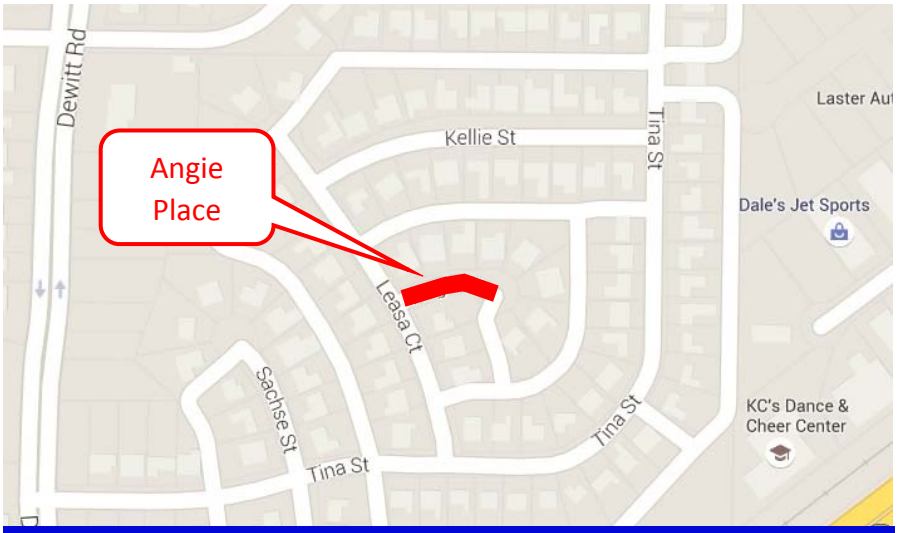
Street Details
Classification: Local Street
Year Built: 1984
Street Width: 28 ft
Replacement Length: 450 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Scaling and Spalling
PASER Score: 4
Condition Overview: Major scaling and spalling, some cracking and failing asphalt patching

Utility Details
Water: 6” PVC (east side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $161,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

ANGIE PLACE

Location
From: Leasa Court
To: End

Street Details
Classification: Local Street
Year Built: 1985
Street Width: 28 ft
Replacement Length: 220 ft
Material Type: Concrete
Material Details: 8” Concrete

Pavement Assessment
Failure Type: Scaling and Spaling
PASER Score: 4
Condition Overview: Severe scaling and spaling

Utility Details
Water: 6” PVC (north side)
Sanitary Sewer: 6” PVC (center)
Storm: N/A

Recommendations
Action: Panel replacement
Scope: Remove and replace
Anticipated Cost: $79,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

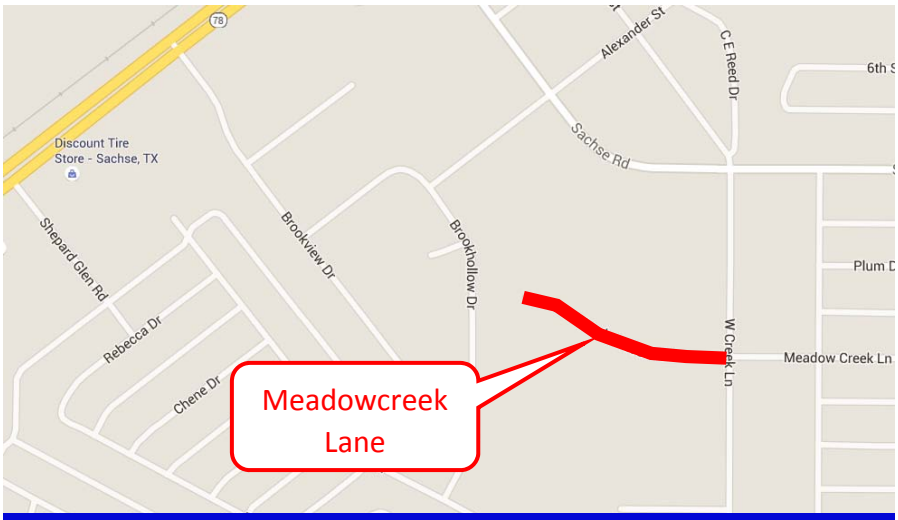
Last Update: 2015

Asphalt Streets

Rating system

Surface rating	*Visible distress**	*General condition/ treatment measures*
10 Excellent	None.	New construction.
9 Excellent	None.	Recent overlay. Like new.
8 Very Good	No longitudinal cracks except reflection of paving joints. Occasional transverse cracks, widely spaced (40′ or greater). All cracks sealed or tight (open less than ¼″).	Recent sealcoat or new cold mix. Little or no maintenance required.
7 Good	Very slight or no raveling, surface shows some traffic wear. Longitudinal cracks (open ¼″) due to reflection or paving joints. Transverse cracks (open ¼″) spaced 10′ or more apart, little or slight crack raveling. No patching or very few patches in excellent condition.	First signs of aging. Maintain with routine crack filling.
6 Good	Slight raveling (loss of fines) and traffic wear. Longitudinal cracks (open ¼″–½″), some spaced less than 10′. First sign of block cracking. Sight to moderate flushing or polishing. Occasional patching in good condition.	Shows signs of aging. Sound structural condition. Could extend life with sealcoat.
5 Fair	Moderate to severe raveling (loss of fine and coarse aggregate). Longitudinal and transverse cracks (open ½″) show first signs of slight raveling and secondary cracks. First signs of longitudinal cracks near pavement edge. Block cracking up to 50% of surface. Extensive to severe flushing or polishing. Some patching or edge wedging in good condition.	Surface aging. Sound structural condition. Needs sealcoat or thin non-structural overlay (less than 2″)
4 Fair	Severe surface raveling. Multiple longitudinal and transverse cracking with slight raveling. Longitudinal cracking in wheel path. Block cracking (over 50% of surface). Patching in fair condition. Slight rutting or distortions (½″ deep or less).	Significant aging and first signs of need for strengthening. Would benefit from a structural overlay (2″ or more).
3 Poor	Closely spaced longitudinal and transverse cracks often showing raveling and crack erosion. Severe block cracking. Some alligator cracking (less than 25% of surface). Patches in fair to poor condition. Moderate rutting or distortion (1″ or 2″ deep). Occasional potholes.	Needs patching and repair prior to major overlay. Milling and removal of deterioration extends the life of overlay.
2 Very Poor	Alligator cracking (over 25% of surface). Severe distortions (over 2″ deep) Extensive patching in poor condition. Potholes.	Severe deterioration. Needs reconstruction with extensive base repair. Pulverization of old pavement is effective.
1 Failed	Severe distress with extensive loss of surface integrity.	Failed. Needs total reconstruction.

** Individual pavements will not have all of the types of distress listed for any particular rating. They may have only one or two types.*



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

MEADOWCREEK LANE

Location
From: Westcreek Ln
To: End

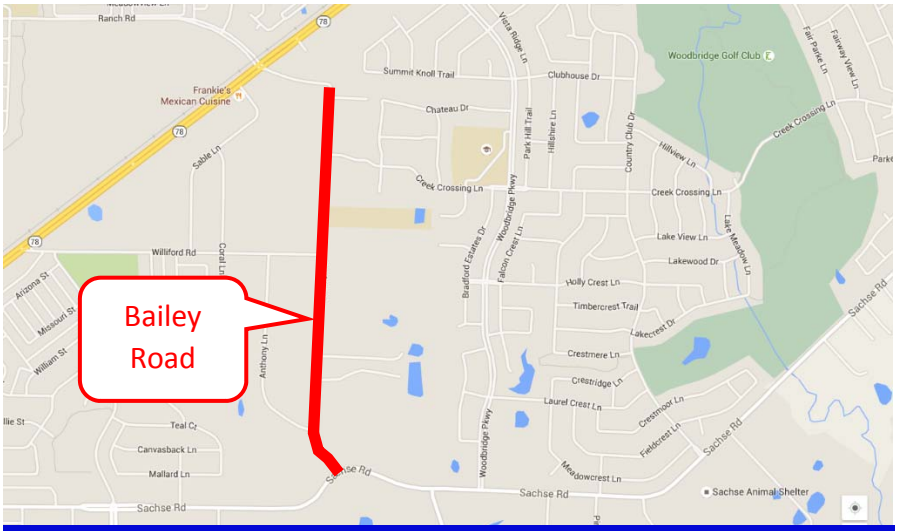
Street Details
Classification: Local Street
Year Built: 1980
Street Width: 24 ft
Street Length: 725 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Alliigator cracking and severe rutting
PASER Score: 2
Condition Overview: Alliigator cracking and severe rutting – two deep ruts (>3”)

Utility Details
Water: 6” PVC (north side)
Sanitary Sewer: 6” PVC (south side)
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $58,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

BAILEY ROAD

Location
From: Hooper Rd
To: Sachse Rd

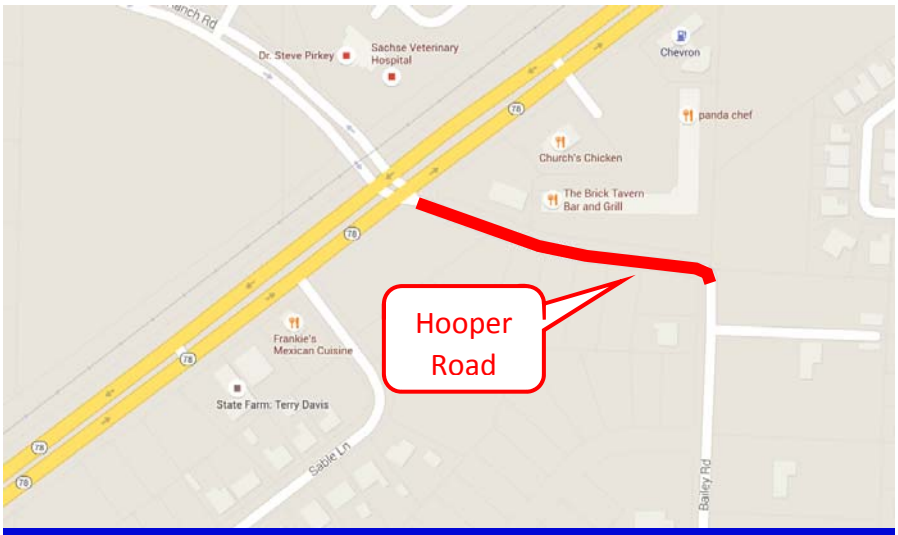
Street Details
Classification: Collector Road
Year Built: pre-1980
Street Width: 24 ft
Street Length: 4,700 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Moderate cracking and moderate rutting
PASER Score: 3
Condition Overview: Moderate cracking, patches in pour condition and moderate rutting

Utility Details
Water: Varies
Sanitary Sewer: Varies
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $376,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

HOOPER ROAD

Location
From: State Highway 78
To: Bailey Rd

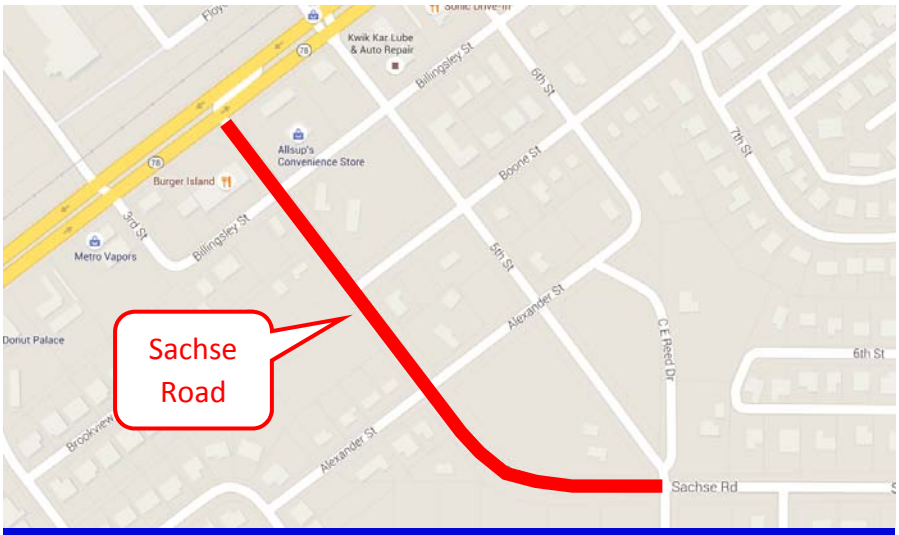
Street Details
Classification: Collector Road
Year Built: N/A
Street Width: 24 feet
Street Length: 790 feet
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Moderate cracking and moderate rutting
PASER Score: 3
Condition Overview: Moderate cracking, patches in pour condition and moderate rutting

Utility Details
Water: 16” PVC (south side)
Sanitary Sewer: N/A
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $64,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

SACHSE ROAD

Location
From: State Highway 78
To: 5th Street

Street Details
Classification: Minor Arterial
Year Built: N/A
Street Width: 24 feet
Street Length: 1,600 feet
Material Type: Asphalt
Material Details: 5" Asphalt

Pavement Assessment
Failure Type: Moderate cracking and moderate rutting
PASER Score: 3
Condition Overview: Moderate cracking and moderate rutting with several deep ruts

Utility Details
Water: Varies
Sanitary Sewer: Varies
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $128,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

SACHSE ROAD

Location
From: Public Works
To: City Limit

Street Details
Classification: Minor Artierial
Year Built: N/A
Street Width: 24 ft
Street Length: 1,950 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Cracking and rutting
PASER Score: 3
Condition Overview: Moderate cracking and low to moderate rutting

Utility Details
Water: Varies
Sanitary Sewer: Varies
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $156,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

SACHSE STREET

Location
From: 5th Street
To: 6th Street

Street Details
Classification: Local
Year Built: N/A
Street Width: 24 ft
Street Length: 250 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Cracking and rutting
PASER Score: 2
Condition Overview: Alligator cracking and severe rutting

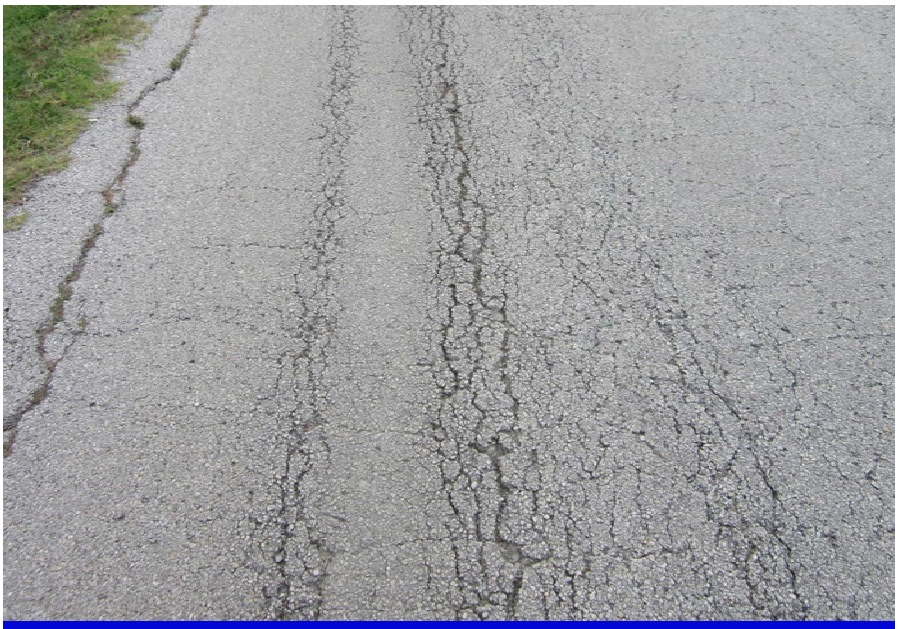
Utility Details
Water: 6” PVC (north side)
Sanitary Sewer: 6” PVC (varies)
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $20,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1



SITE PHOTO #2

WESTCREEK LANE

Location
From: Sachse Rd
To: Timber Creek Ct

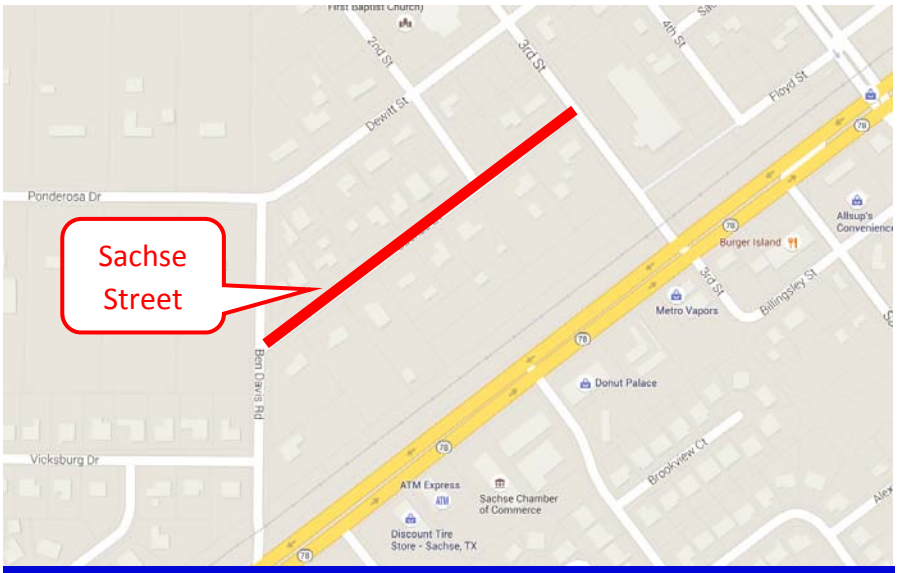
Street Details
Classification: Local
Year Built: 1980
Street Width: 24 ft
Street Length: 1,650 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Cracking and rutting
PASER Score: 2
Condition Overview: Alligator cracking and severe rutting

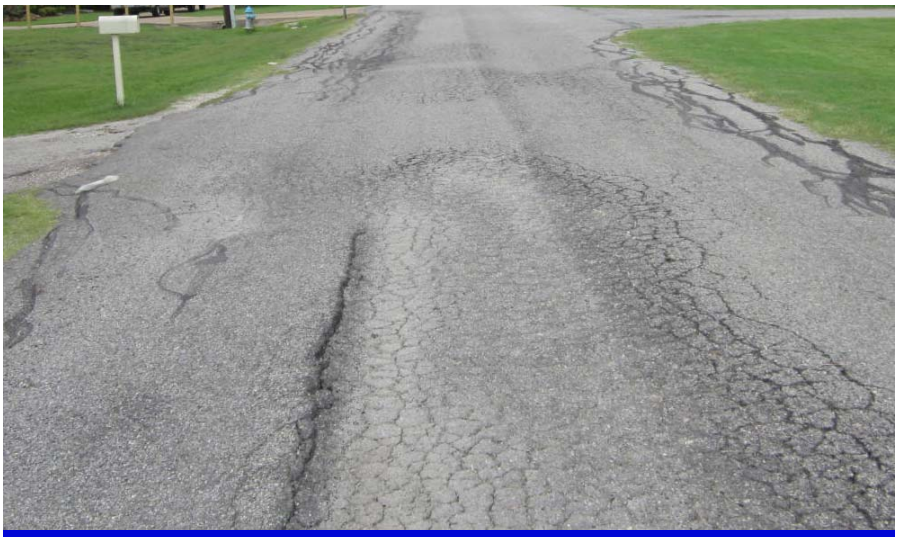
Utility Details
Water: 6” PVC (east side)
Sanitary Sewer: N/A
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $132,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP



SITE PHOTO #1

SITE PHOTO #2

SACHSE STREET

Location
From: Ben Davis
To: 3rd Street

Street Details
Classification: Local
Year Built: N/A
Street Width: 24 ft
Street Length: 1,200 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Loss of surface integrity
PASER Score: 1
Condition Overview: Loss of surface integrity – asphalt is loose and worn away

Utility Details
Water: 8” PVC (south side)
Sanitary Sewer: 6” PVC (north side)
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $96,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

2ND STREET

Location
From: Bonanza Drive
To: Sachse Street

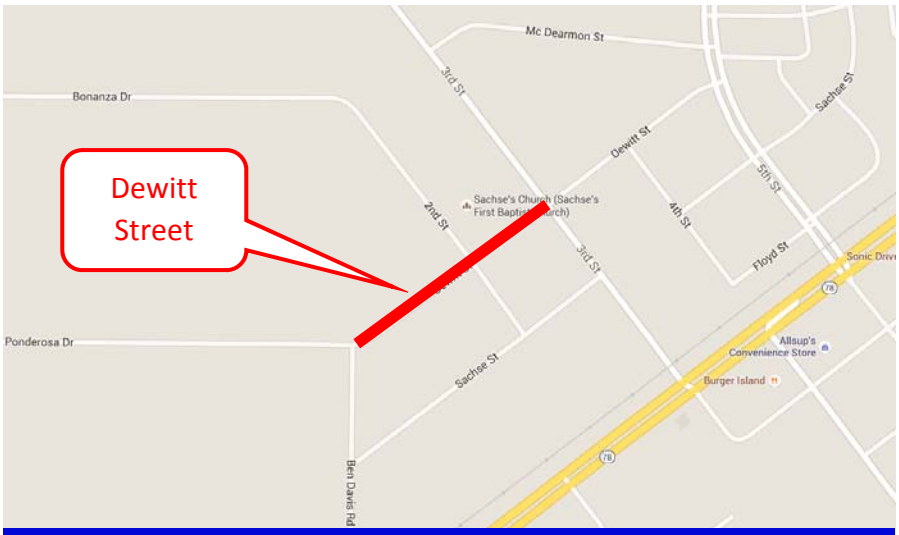
Street Details
Classification: Local
Year Built: N/A
Street Width: 24 ft
Street Length: 1,200 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Rutting and cracking
PASER Score: 1
Condition Overview: Severe rutting and cracking, surface integrity is lost

Utility Details
Water: 8” PVC (south side)
Sanitary Sewer: 6” PVC (north side)
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $96,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

DEWITT STREET

Location
From: Ponderosa Trail
To: 3rd Street

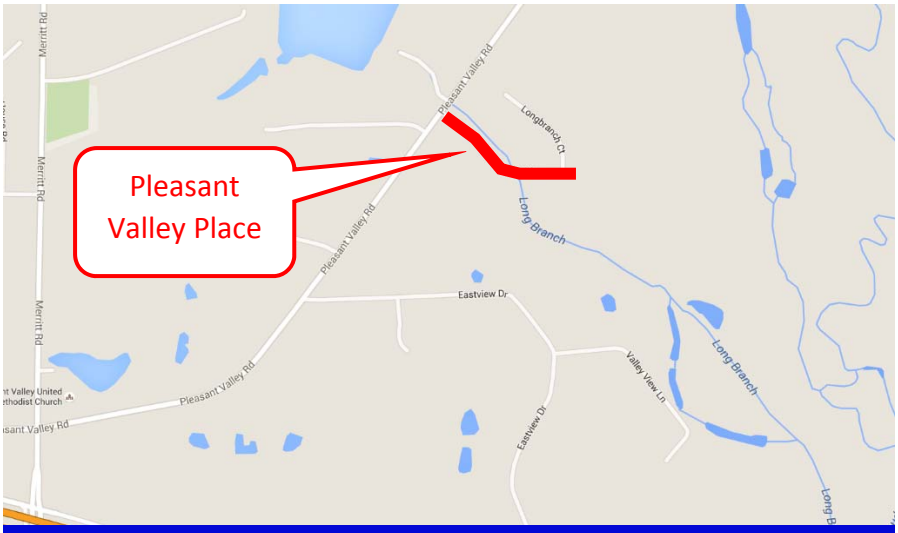
Street Details
Classification: Local
Year Built: N/A
Street Width: 24 ft
Street Length: 970 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Rutting and cracking
PASER Score: 2
Condition Overview: Alligator cracking and severe rutting

Utility Details
Water: 6” PVC (north side)
Sanitary N/A
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $78,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

PLEASANT VALLEY PLACE

Location
From: Pleasant Valley Rd
To: End

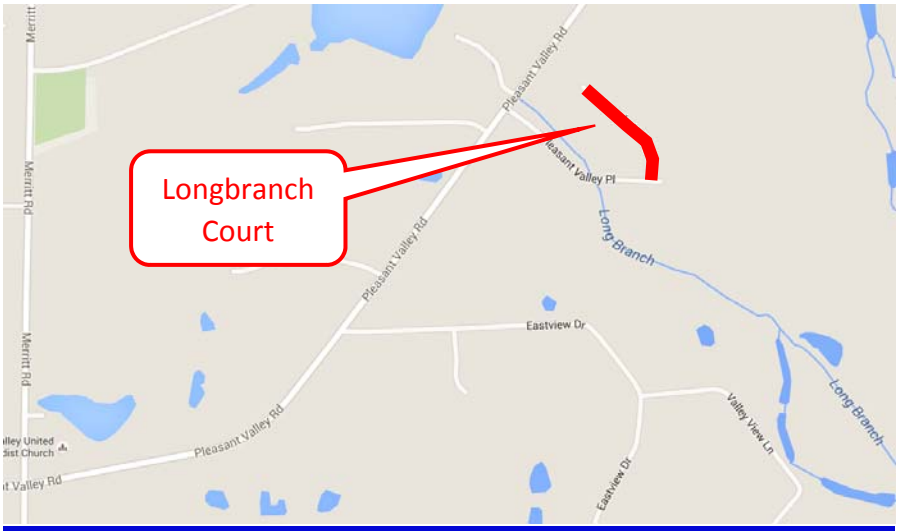
Street Details
Classification: Local
Year Built: 1980
Street Width: 24 ft
Street Length: 1,060 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Rutting and cracking
PASER Score: 2
Condition Overview: Alligator cracking and severe rutting

Utility Details
Water: N/A
Sanitary N/A
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $85,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

LONGBRANCH COURT

Location
From: Pleasant Valley Place
To: End

Street Details
Classification: Local
Year Built: 1980
Street Width: 24 ft
Street Length: 770 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Rutting and cracking
PASER Score: 2
Condition Overview: Alligator cracking and severe rutting

Utility Details
Water: N/A
Sanitary N/A
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $62,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

SALMON STREET

Location
From: State Highway 78
To: 3407 Salmon St

Street Details
Classification: Local
Year Built: N/A
Street Width: 24 ft
Street Length: 640 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Rutting and cracking
PASER Score: 2
Condition Overview: Alligator cracking and severe rutting

Utility Details
Water: Varies
Sanitary Varies
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $52,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

PECAN GROVE DRIVE

Location
From: Murphy Rd
To: End

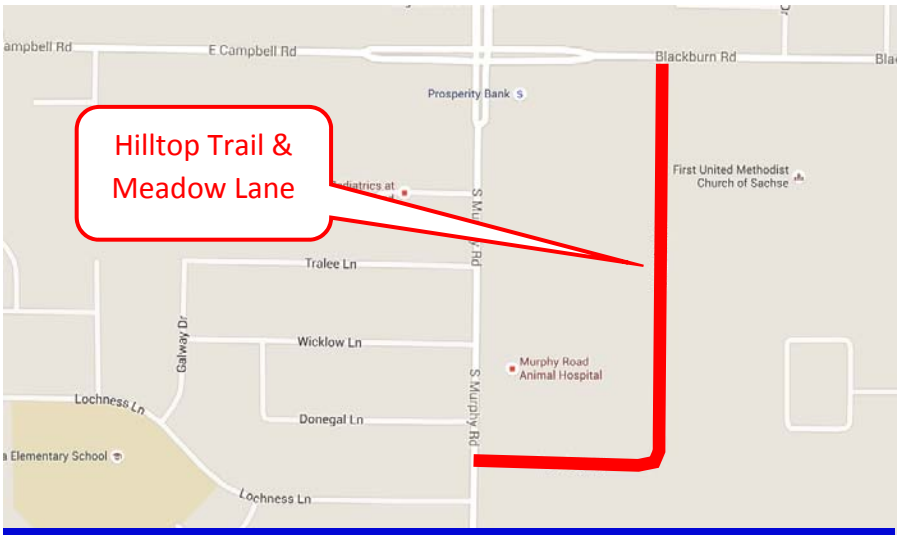
Street Details
Classification: Local
Year Built: 1968
Street Width: 24 ft
Street Length: 1,030 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Rutting and cracking
PASER Score: 2
Condition Overview: Alligator cracking and severe rutting

Utility Details
Water: 6” PVC (east side)
Sanitary : 6” PVC (west side)
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $83,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015



LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

HILLTOP TRAIL & MEADOW LANE

Location
From: Murphy Rd
To: Blackburn Rd

Street Details
Classification: Local
Year Built: 1977
Street Width: 24 ft
Street Length: 2,260 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Rutting and cracking
PASER Score: 2
Condition Overview: Alligator cracking and severe rutting

Utility Details
Water: 6” PVC (south and east sides)
Sanitary : 6” PVC (north and west sides)
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $181,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

ANTHONY LANE

Location
From: Williford Rd
To: Bailey Rd

Street Details
Classification: Local
Year Built: N/A
Street Width: 24 ft
Street Length: 2,460 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Rutting and cracking
PASER Score: 3
Condition Overview: Alligator cracking and low to moderate rutting

Utility Details
Water: 6” PVC (south and west sides)
Sanitary : 6” PVC (north and east sides)
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $197,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

6TH STREET & ALEXANDER

Location
From: Boone St
To: 5th Street

Street Details
Classification: Local
Year Built: N/A
Street Width: 24 ft
Street Length: 660 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Cracking and rutting
PASER Score: 2
Condition Overview: Alligator cracking and severe rutting

Utility Details
Water: 6” PVC (north side)
Sanitary : 6” PVC (south side)
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $53,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

LOCATION MAP

SITE PHOTO #1

SITE PHOTO #2

6TH STREET

Location
From: Sachse St
To: 5th Street

Street Details
Classification: Local
Year Built: N/A
Street Width: 24 ft
Street Length: 540 ft
Material Type: Asphalt
Material Details: 5” Asphalt

Pavement Assessment
Failure Type: Loss of surface integrity
PASER Score: 1
Condition Overview: Loss of surface integrity- asphalt is loose and worn away

Utility Details
Water: N/A
Sanitary : N/A
Storm: N/A

Recommendations
Action: Full depth replacement
Scope: Mill surface, cement treat subgrade and resurface road.
Anticipated Cost: $44,000
Funding Source: Street Maintenance Tax
Project Partners: N/A
Funds Available: TBD

Last Update: 2015

2015-2016 CIP Update

CITY COUNCIL

August 3, 2015

Overview

- Staff updates the Capital Improvement Plan on an annual basis for City Council review and approval as part of the Fiscal Year Budget
- The Capital Improvement Plan includes past funding, current funding, and estimated future funding for capital projects
- Capital Projects include:
  - Streets
  - Water
  - Sanitary Sewer
  - Public Drainage
  - Other Projects

Key 2014-2015 Capital Projects

- Maxwell Creek Road – Ranch to Keith Lane
  - Partnership with private Developer
  - Construction was completed this summer
- Ranch Road – Harlan to Clearmeadow
  - Partnership with Collin County
  - Currently under construction
- 3rd Sewer Connection to Garland
  - Construction agreement with Garland approved by City Council for both Sachse and Garland in May/June
  - Consulting Engineer is addressing Garland's final comments for the aerial crossing
  - Preparation of bid documents will follow Garland approval of the plans
- Water System Pump Improvements
  - Staff completed in-house engineering design, bid, and completed the construction of a pump upgrade to the water system pump house on Sachse Road

Key 2014-2015 Capital Projects (Continued)

- Street Maintenance Tax Projects (substantially complete)
  - Williford Road
  - Big Valley Road
- Industrial Park Lighting
  - Construction completed in late 2014
- SH 78 and 5th Street Lighting
  - Completed two rounds of engineering review with TxDOT
  - Currently finalizing existing and proposed conduit locations
- KCS Quiet Zones (under construction)
  - Partnership with private developer
  - Approved by the Federal Railroad Administration in February
  - Currently under construction

Current Fund Balances

- Available Funding Accounts include: Impact Fees (Water, Sanitary Sewer, and Roadway), 2006 Transportation Bond, Capital Projects fund, RCC Fund, and the Street Maintenance Tax fund
- Current available funds as of July 16th (remaining funds after recommended projects)
  - Roadway Impact Fees: $1,452,518.00 ($1,314,518.00)
  - Water Impact Fees: $672,631.00 ($382,631.00)
  - Sanitary Sewer Impact Fees: $728,671.00 ($428,671.00)
  - Capital Projects Fund: $323,380.00 ($28,380.00)
  - 2006 Bond Fund: $4,514,213 ($3,014,213.00)
  - RCC Fund: $91,839.00* ($0.00)
  - Street Maintenance Tax Fund: $304,879** (TBD)

*The RCC Fund is no longer receiving any new funds.

**The projected funds from the Street Maintenance Tax for FY15-16 amount to $304,879

FY 2015-16 Streets

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	Funding Source
R-12-01a	SH 78 Lighting, from Murphy Road to 5th Street	541,839		450,000	91,839	RCC
R-12-01b	5th/Dewitt Lighting, from SH78 to Ranch Road	310,000		310,000		2006 BOND
R-12-04c	*Maxwell Creek Road - Canyon Crest North*	*1,500,000*	*588,000*		100,000	*IF*
R-12-08	5th Street/Sachse Road widening - SH 78 to Miles	6,000,000	3,000,000		1,500,000	2006 BOND
R-13-08	Williford Road Asphalt	210,000		200,000	10,000	SMT
R-14-02	Hudson Drive - Rosewood to Sewell	550,000			258,000	DEV/CP/IF
R-14-03	Rosewood Circle - Ashwood Lane to Hudson Drive	500,000				DEV
R-14-06	2016 CDBG Project	76,173	76,173		76,173	CDBG
R-15-01	*2015-2016 Street Maintenance Tax Projects*	*304,879*			*304,879*	*SMT*
R-15-03	*Sachse HS Traffic Signal & Turn Lane Improvements*	*575,000*	*350,000*		*75,000*	*CP, TBD*

Note: IF = Impact Fees, CP = Capital Projects Funds, SMT = Street Maintenance Tax Funds
CDBG = Community Development Block Grant Funds, DEV = Developer to Construct, no funding from City
RCC = re-allocation of remaining funds from Industrial Park Lighting project
DEV/CP/IF = partnership with Developer for Construction

Projects highlighted in BLUE require feedback on project selection

2015-16 Streets – Key Projects

- Street Lighting – SH 78 and 5th Street
  - Bid/Construction following conduit determination & TxDOT approval
- Street Maintenance Tax Projects
  - Seeking project selection feedback from the Council
- Community Development Block Grant (CDBG) Project
  - Seeking project selection feedback from the Council
- Sachse Road Widening (Design)
  - Engineer beginning final design this year, construction to begin mid/late 2017
- Maxwell Creek Road North (Design)
  - Engineer to design this year, construction in FY 2016-2017

FY 2015-2016 Water

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	Funding Source
W-12-08	12-inch WL from Hudson Drive to Westcreek Lane	241,310	241,310		241,310	DEV
W-12-11	12-inch WL from Ranch Road North 2500 LF	256,690	256,690			DEV
W-12-15a	Property for 1.25 MG Elevated Storage Tank	640,000		640,000		IF
W-12-15b	*1.25 MG Elevated Storage Tank*	*3,000,000*			*250,000*	*IF/UF*
W-12-16	*16-inch WL from 1.25 MG Elev. Storage Tank to Merritt Road*	*222,480*			*40,000*	*IF/UF*
W-14-05	*8-inch WL Sachse Street and 2nd Street*	*109,200*			*109,200*	*UF*

Note: IF = Impact Fees, UF = Utility Fund, DEV = Developer to construct, no funding from City

2015-16 Water – Key Projects

- Southeast Water Tower
  - Design to begin in FY 2015-2016
  - Construction anticipated for FY 2016-2017
- 16-inch waterline from tower to Merritt Road
  - Design to begin in FY 2015-2016
  - Construction anticipated for FY 2016-2017
- 8-inch Water Main – Sachse Street & 2nd Street
  - Rehabilitation of water main in poor condition
  - Staff will provide in-house design

FY 2015-16 Sanitary Sewer

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	Funding Source
SS-12-01	30-inch Sanitary Sewer Bunker Hill Road	775,000		775,000		IF
SS-12-05	Line "G" - Construction of Aerial Crossing for 3rd conn. to Garland	900,000		900,000		EDC/TIF
SS-12-06	Line "G" - Construction of 24-inch from aerial crossing to north of PGBT	1,200,000		1,200,000		EDC/TIF
SS-12-07	Construction of 8-inch trunk line from Line "G" to Pleasant Valley Road	400,000		400,000		EDC/TIF
SS-12-08	*Southeast Lift Station*	*1,685,000*		*125,000*	*300,000*	*GF, IF, TBD*
SS-12-09	*Line "A" - Construction of 24-inch trunk line from Sachse Rd. to SELS*	*3,500,000*		*300,000*		*IF, TBD*
SS-12-10	*Force Main, Line "C"*	*2,989,000*		*164,000*		*IF, CP*
SS-13-01	*8-inch main - easement from Bonanza Ct. to Vicksburg Drive*	*177,164*			*177,164*	*UF*
SS-13-03	*8-inch main - 3rd Street*	*113,000*		*113,000*		*CP*
SS-13-05	*8-inch main - easement north of Brookview Court*	*44,000*		*44,000*		*CP*

Note: GF = General Fund, IF = Impact Fees, UF = Utility Fund,
DEV = Developer to construct, no funding from City

2015-16 Sanitary Sewer – Key Projects

- 3rd Sewer Connection to Garland
  - Bid and construct in FY 2015-2016
- 30-inch Sewer – Bunker Hill Road
  - Design is complete, negotiating easement
  - Bid and construct in FY 2015-2016
- Southeast Sewer Expansion (Design)
  - In FY 2015-2016, begin final design of the gravity and force mains, and the lift station
- 8-inch Sewer – Bonanza Ct. to Vicksburg
  - Rehabilitation of an existing sewer main in poor condition, in-house engineering design
- 8-inch Sewer – 3rd Street
  - Rehabilitation of an existing sewer main in poor condition, in-house engineering design
- 8-inch Sewer Main – north of Brookview Court
  - Rehabilitation of an existing sewer main in poor condition, in-house engineering design

FY 2015-16 Drainage & Other Projects

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	Funding Source
D-15-01	*Stormwater Utility Study*	*150,000*			*150,000*	*UF*

CIP No.	Project	Estimated Capital Project Cost	Estimated Outside Funding	Previous CIP Funds	FY 15-16	Funding Source
O-14-02	*Digital Radio Conversion*	*950,000*		*750,000*	*200,000*	*GF*

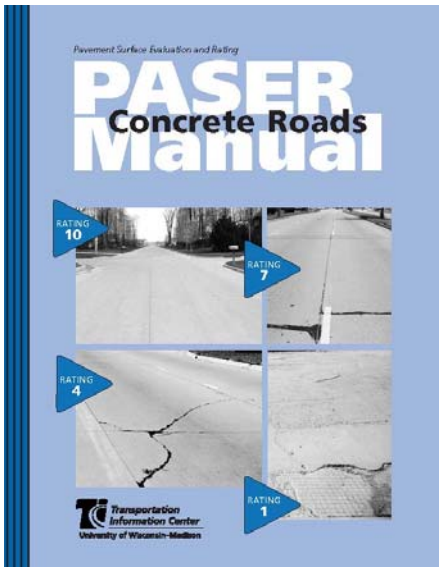
Note: GF = General Fund

Street Maintenance Tax Projects

- As part of the CIP Update process, staff reviews the conditions of existing streets and includes street rehabilitation needs in the CIP for Street Maintenance Tax (SMT) funding.
- For FY 2015-16, the anticipated available funding is $304,879.
- This year, staff completed a more thorough assessment of City streets utilizing the PASER system to rate street conditions.

PASER Manual

- Pavement Surface Evaluation and Rating (PASER) is a commonly used system for evaluating the conditions of streets
- It was established by the University of Wisconsin-Madison
- Allows for simple and consistent scoring of street conditions
- The staff PASER assessment was completed in known areas of concern. It does not yet include every street in the City.
- Staff will continue to utilize the PASER system and review street conditions on an annual basis.



Street Maintenance Tax Projects

- To date, Staff has completed an assessment of 25 concrete streets and 18 asphalt streets in need of maintenance
- Staff will continue to assess streets throughout the City, to develop a comprehensive list of streets that are in need of maintenance and identify both scope and cost

Asphalt Failure

Concrete Failure

Concrete Streets

Project #	Street Name	Intersections	Estimated Cost	Comments	PASER Rating
C1	Woodbridge Parkway	Intersection at Sachse Road	$ 66,188.89	Structural failure with severe cracking	2
C2	Parkview Drive	at Parkridge Drive	$ 47,475.56	Severe cracking and heaving	3
C3	Bryan Street	Sachse Road to Williford	$ 237,666.67	Panel failure with asphalt patching that is failing	3
C4	Annapolis Court	at Pomotmac Drive	$ 33,790.00	Cracking and spalling, crack seal patching failing	4
C5	Tina Street	Dewitt to Sachse	$ 154,295.56	Significant spalling and cracking, asphalt patching is failing	3
C6	Tina Street	Sachse to Kellie	$ 83,082.22	Significant spalling and cracking, asphalt patching is failing	3
C7	West Creek	Timber Creek to Dogwood Court	$ 162,405.56	Failing asphalt patching, structural failure in some areas	3
C8	Highridge Drive	Ben Davis to Ridgeview	$ 86,352.22	Structural cracking, dropped panels holding water	4
C9	Alley behind Armstrong	Ben Davis to Lee Hutson	$ 60,000.00	Drainage improvements - ponding water (6"+) in low spots	7
C10	Park Lane	SH 78 to Industrial	$ 71,300.00	Structural failure in some areas, asphalt patching failing	2
C11	Industrial Drive	End to End	$ 182,211.11	Multiple structural failures, patching failing, deep cracks and spalling	2
C12	Hunters Ridge Drive	Miles Road to Emerson	$ 213,900.00	Moderate to severe cracking and spalling, joints separating (>1 /2")	4
C13	Brookview Court Alley	N/A	$ 74,483.33	Structural failure and drainage problems - CDBG eligible	2
C14	Brookhollow Drive	Alexander to Brookview	$ 57,244.44	Significant spalling, minor cracking, failing asphalt repairs	4
C15	Brookview Drive	Brookhollow to Brookview Ct.	$ 174,288.89	Failing asphalt patching, spalling and cracking, structural failure in some areas	4
C16	Cedar Brook Ct.	West Creek to End	$ 57,244.44	Moderate scaling and spalling, moderate cracking, settlement of panels	5
C17	Park Lake Blvd.	Sachse Road to Brookglen Dr.	$ 157,422.22	Failing asphalt patching, spalling and cracking, structural failure in some areas	4
C18	Alexander St.	Sachse Road to Brookhollow Dr.	$ 71,555.56	Moderate to severe cracking, asphalt patching failing	4
C19	Salmon Street	3407 Salmon to Jewel St.	$ 126,755.56	Moderate to severe cracking, asphalt patching failing	4
C20	William Street	Jewel St. to Bryan St.	$ 100,177.78	Moderate to severe cracking, extensive asphalt patching failing	3
C21	7th Street	Boone Street to Salmon Street	$ 128,800.00	Moderate to severe cracking, asphalt patching failing	4
C22	Lillie Street	From 3714 to 32810 Lillie Street	$ 57,244.44	Severe scaling and polishing, some cracking and failing asphalt patching	4
C23	Kellie Street	3204 Kellie St. to Leasa Ct.	$ 50,088.89	Moderate cracking, panel settlement	5
C24	Leasa Ct.	Kellie St. to Tina St.	$ 161,000.00	Major scaling and spalling, some cracking and failing asphalt patching	4
C25	Angie Pl.	Leasa to end of cul-de-sac	$ 78,711.11	Severe scaling and spalling	4

Asphalt Streets

Project #	Street Name	Intersections	Estimated Cost	Comments	PASER Rating
A1	Meadowcreek	Westcreek to End	$ 58,000.00	Alligator cracking and severe rutting - two deep ruts (>3")	2
A2	Bailey Road	Hooper to Sachse Road	$ 376,000.00	Moderate rutting, patches in poor condition, moderate cracking	3
A3	Hooper Road	Bailey Road to SH 78	$ 63,200.00	Moderate rutting, patches in poor condition, moderate cracking	3
A4	Sachse Road	SH 78 to 5th Street	$ 128,000.00	Moderate rutting and cracking, several deeper ruts	3
A5	Sachse Road	Public Works to City Limit	$ 156,000.00	Alligator cracking and low to moderate rutting	3
A6	Sachse Street	5th to 6th	$ 20,000.00	Alligator cracking and severe rutting	2
A7	West Creek	Sachse Road to Timber Creek	$ 132,000.00	Alligator cracking and severe rutting	2
A8	Sachse Street	Ben Davis to 3rd	$ 96,000.00	Loss of surface integrity - asphalt is loose and worn away	1
A9	2nd Street	Bonanza Dr. to Sachse St.	$ 96,000.00	Severe rutting and cracking, surface integrity is lost	1
A10	Dewitt Street	Ponderosa Tr. To 3rd St.	$ 77,600.00	Alligator cracking and severe rutting	2
A11	Pleasant Valley Place	Pleasant Valley Road to End	$ 84,800.00	Alligator cracking and severe rutting	2
A12	Longbranch Court	Pleasant Valley Pl. to End	$ 61,600.00	Alligator cracking and severe rutting	2
A13	Salmon Street	SH 78 to 3407 Salmon Street	$ 51,200.00	Alligator cracking and severe rutting	2
A14	Pecan Grove Dr.	Murphy Road to End	$ 82,400.00	Alligator cracking and severe rutting	2
A15	Hilltop Tr. & Meadow Ln.	Murphy Rd. to Blackburn Rd.	$ 180,800.00	Alligator cracking and severe rutting	2
A16	Anthony Ln.	Williford Rd. to Bailey Rd.	$ 196,800.00	Alligator cracking and low to moderate rutting	3
A17	6th Street & Alexander	Boone St. to 5th	$ 52,800.00	Alligator cracking and severe rutting	2
A18	6th Street	Sachse St. to 5th	$ 43,200.00	Loss of surface integrity - asphalt is loose and worn away	1

Street Maintenance Budget & Project Selection

- The annual budget for street maintenance includes:
  - Street Maintenance Tax (FY 2015-16 estimate - $304,879)
  - Public Works Street Maintenance Budget (FY 2015-16 - $250,000*)

    **This budget item is also utilized for minor street repair, sidewalks, and alleys*
- Prioritizing the projects provides a clear path forward
- Priority methodology can be set based on many factors, including:
  - Pavement condition
  - Street classification (arterial, collector, local)
  - Traffic volume
  - Project size/cost

Discussion & Next Steps

- Street Maintenance Projects
  - Staff is seeking input from the City Council on the methodology for prioritizing maintenance projects
  - Staff will return to City Council on August 17th with recommendations based upon feedback and methodology
- CIP
  - Staff is seeking input from the City Council and the public regarding the proposed FY 2014-15 CIP
  - Staff will return to City Council on August 17th with revisions to the CIP based upon feedback
  - The final FY 2014-15 CIP will be adopted with the FY 2014-15 operating budget