CITY OF MARSHALL

COMMISSION AGENDA INFORMATION SHEET:

MEETING DATE: November 12, 2015

PROJECT: Receive a report and respond regarding a Proposed Draft of the 2016 Street Improvement Program. (Director of Public Services)

DESCRIPTION: Attached is an excel spreadsheet presenting our staff proposed 2016 Street Improvement Program which estimates $1,657,770 in revenue and $1,687,902 in expenditures; we are not trying to balance expenditures to the revenue at this point because we are using estimated values for expenditures based on our best estimate available. This will be formally bid early in 2016 and changing oil prices will affect the final pricing.

In this process, we are asking you to review the proposed list of streets and let us know if there are streets you feel need to be deleted and replaced by another street. Streets are proposed based on a combination of their condition and traffic amounts; we have been paying particular attention to streets that are major and minor arteries, those near schools, and those that can be conditioned until further improvements can be completed. Caveat - if you have streets you prefer added to the program in your area, please propose others of equal dollar value for removal.

The first section on Page 1 of the spreadsheet serves as a "quick review" Summary of all proposed streets and the type of activity, followed by a detail of work elements and estimated costs. The bottom of Page 4 and Page 5 provide a list of alternate streets possibly available for future addition (titled "2016 Alternate Street Considerations – and – Preliminary 2017 Streets"), if bid prices next year come in lower than our current cost estimates. Otherwise, the Alternate Street Considerations serve as the beginning list for the street program in 2017. If bid prices come in higher than estimated, staff will come back to the City Commission with a revised street list at the time of final bid award in 2016.

The revenue estimate currently does not include funds from the Community Development Block Grant because we have not received our CDBG allocation notice; we will come back to the City Commission regarding streets scheduled for CDBG funding, once we have our budgeted allocation.

The 2016 Street Improvement Program, as proposed, dedicates an estimated $543,200 in expenses for street maintenance projects funded through the Street Maintenance Sales Tax, which is included in the total proposed expenditures on the spreadsheet for 2016. The Street Maintenance Sales Tax accounts for approximately 32.2% of the currently proposed street improvement expenditures in 2016.

Our graded street condition for the proposed streets is also noted on the attached spreadsheet; abbreviated and shown as "COND" in a column next to the street and based on the following criteria:

1 – Excellent 2 – Very Good 3 – Fair 4 – Poor 5 – Very Poor

Estimated costs shown on the attached Proposed 2016 Street Improvement Program spreadsheet are based on current market conditions; actual bid amounts may increase or reduce allocations in each work element category. Cost estimates include engineering costs, bid preparation, construction inspection, asphalt and base testing, and restriping; the final scope of work for each major improvement element will be determined through actual formal bid prices received and will be presented afterwards for approval by the City Commission.

Included in the attached 2016 Street Improvement Program is the cost estimate of $100,000 for engineering and inspection related activities for the major contracted work elements in this year's proposed program. We will present a formal Work Order for Professional Services by Hayes Engineering, Inc. to provide design, bidding, and construction inspections of all street improvement projects; the proposed work order cost of $100,000 allocates $30,000 to the preliminary design stage, $30,000 for the final design stage, $5,000 for bidding, geotechnical, progress reports and meetings, and $35,000 for field data and project construction and oversight. The proposed engineering work order is approximately 6.6% of the $1,523,902 "construction related" portion of the proposed 2016 Street Improvement Budget, which requires outside engineering and inspection services.

COST:
To be determined – major bid packages will be brought back for City Commission approval in 2016.

FUNDING:	**Acct. Name & No**	**Original Budget**
General Fund & Street Maint Sales Tax		$1,687,902

RECOMMENDED ACTION:
Receive a report and respond regarding a Proposed Draft of the 2016 Street Improvement Program. (Director of Public Services)

CITY CONTACT: J. C. Hughes, Director of Public Services 903-503-4503

ATTACHMENTS:
2016 Proposed Street Improvement Program - Spreadsheet - Dated 11-12-2015

CITY OF MARSHALL
2015 STREET IMPROVEMENT PROGRAM - DRAFT V1 11-12-15

CITY COMMISSION
DRAFT 11-12-2015

J. C. Hughes
903-503-4503 (cell)
903-395-4489 (office direct)

REVENUE	2016 Revenue Estimates	COST SUMMARY:	Estm'd Costs	Summary Total
General Fund - 2016	$1,035,270.00	2016 Micro-Resurfacing	$0.00	
Misc Funds	$0.00	2016 Railroad Crossing Removal	$40,000.00	
Misc Funds	$0.00	2016 New Overlay Programs	$881,302.00	
Misc Funds	$0.00	2016 Reconstruction Asphalt	$59,400.00	
Misc Funds	$0.00	2016 Reconstruction Concrete	$0.00	
Misc Funds	$0.00	Misc GF In-House Projects	$164,000.00	
2016 Interlocal Projects	$0.00	2016 Interlocal Projects	$0.00	
2015 Reprogramed Funds	$80,000.00			
Sub-Total GF Projects	$1,115,270.00	Sub-Total GF Projects	$1,144,702.00	-$29,432.00
CDBG Projects	Funds have not been allocated	CDBG Projects	$0.00	
Sub-Total CDBG Projects	$0.00	Sub-Total CDBG Projects	$0.00	$0.00
2016 Sales Tax Receipts	$517,500.00	Street Maint. Sales Tax - Overlay	$543,200.00	
2015 Reprogramed Funds	$25,000.00	St. Maint. Tax - Reconstruct	$0.00	
Sub-Total Street Maint. Tax	$542,500.00	Sub-Total Street Maint. Tax	$543,200.00	-$700.00
2015 Road Projects	$1,657,770.00	2014 Road Projects	$1,687,902.00	-$30,132.00

General Notes:
1) General Fund - assumes revenue of $1,115,270 and expense of $1,144,702 and represents 100.3% of the GF revenue budget
2) CDBG - funds have not been allocated for 2016; budget expense will be determined after we are notified of the 2016 funding level
3) Street Sales Tax Revenue is budgeted at $542,500 for 2016 budget year and expense of $543,200 or 100.001% of revenue budge

ALPHA LISTING OF 2016 PROPOSED BASE STREET IMPROVEMENTS AND TYPE IMPROVEMENT - Does not include Alternate Streets

STREET	COND	FROM	TO	Micro	Oil Remix/Roll	Overlay	Reconstruct	In-House	City/County	CDBG	Notes
Arkansas Street	3\4	Portland	Eastward to deadend			X					General Fund 2016
Barry Street	3\4	Eastmoor Drive	Westard to Harper Drive			X					General Fund 2016
Bomar & Grove St. Ph. 2	3	University Ave.	Southward to Pinecrest Dr.			X					2016 Street Maint. Sales Tax
Carter Street - Phase 1	3	University Ave.	Northward to Wiley/Moore			X					General Fund 2016
Eastmoor Street	3\4	Highway 80 (Victory Dr.)	South & Westward to Harper			X					General Fund 2016
Emory Street	3\4	Rosborough Springs	Westward to Sanford			X					General Fund 2016
Indian Springs (Dip)	4	Intersection	Renovate Intersection			X					General Fund 2016
Memorial Drive (Huge Dip)	4	Memorial Drive	Near Country Club Dr.			X					General Fund 2016
Merritt Street	3\4	South Washington Ave.	Westward to Bomar			X					General Fund 2016
Miller Street	3\4	Highway 80 (Victory Dr.)	Eastmoor Drive			X					General Fund 2016
Moore Street	3\4	Wiley Ave.	Norhward to Carter Street			X					General Fund 2016
Portland Avenue	3\4	Travis Street	Southward to deadend			X					General Fund 2016
Spring Street	3\4	Smith Park	Westward to Sanford				X				General Fund 2016
Starr Circle - Travis	3\4	Starr Circle	Starr Circle			X					2016 Street Maint. Sales Tax
Travis Street (Mill/OL) Ph. 2	3\4	South Washington	Eastward to Alamo Blvd			X					2016 Street Maint. Sales Tax
Travis Street (Mill/OL) Ph. 3	3\4	Starr Circle	South Washington			X					2016 Street Maint. Sales Tax
Travis Street (RR)	3\4	Remove RR Crossing	Elevate Curb/Road Overlay			X	X				General Fund 2016
Virginia Street (Mill/OL)	3\4	Bridge approach	Westward to RR Bridge			X					General Fund 2016
University Ave. (Mill/Overlay	3	Washington South	Bomar Street			X					General Fund 2016
University Ave. (Mill/Overlay	3	Bomar Street	Hugh Street			X					General Fund 2016
Warren Drive (Mill/OL) Ph. 3	3\4	Highway 80 (Victory Dr.)	Southward to Wildwood Tr.			X					2016 Street Maint. Sales Tax
Wiley Ave.	3	University Ave.	Northward to James Farmer			X					General Fund 2016
Wellington Street - So.	4	Square	Southward Travis			X					General Fund 2016

2016 MICRO-RESURFACE STREETS - Average cost of Micro $3.30 sq. yd. - City does patching and level up road prep.

STREET	COND	FROM	TO	Micro	$3.30 Sq. Yd	Patching	$1.50 SY	Level Up	$.50 SY	Budgeted	Notes
											None in 2016
			Total Micro-Resurface	0	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	

CITY OF MARSHALL
2015 STREET IMPROVEMENT PROGRAM - DRAFT V1 11-12-15

CITY COMMISSION
DRAFT 11-12-2015

J. C. Hughes
903-503-4503 (cell)
903-395-4489 (office direct)

REVENUE	2016 Revenue Estimates	COST SUMMARY:	Estm'd Costs	Summary Total
General Fund - 2016	$1,035,270.00	2016 Micro-Resurfacing	$0.00	
Misc Funds	$0.00	2016 Railroad Crossing Removal	$40,000.00	
Misc Funds	$0.00	2016 New Overlay Programs	$881,302.00	
Misc Funds	$0.00	2016 Reconstruction Asphalt	$59,400.00	
Misc Funds	$0.00	2016 Reconstruction Concrete	$0.00	
Misc Funds	$0.00	Misc GF In-House Projects	$164,000.00	
2016 Interlocal Projects	$0.00	2016 Interlocal Projects	$0.00	
2015 Reprogramed Funds	$80,000.00			
Sub-Total GF Projects	$1,115,270.00	Sub-Total GF Projects	$1,144,702.00	-$29,432.00
CDBG Projects	Funds have not been allocated	CDBG Projects	$0.00	
Sub-Total CDBG Projects	$0.00	Sub-Total CDBG Projects	$0.00	$0.00
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2015 Reprogramed Funds	$25,000.00	St. Maint. Tax - Reconstruct	$0.00	
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2015 Road Projects	$1,657,770.00	2014 Road Projects	$1,687,902.00	-$30,132.00

General Notes:
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2016 STREET RECONSTRUCTION - Removal and leveling of old abandonded rail crossings

STREET	COND	FROM	TO			Patching		Level up		Budgeted	Notes
Travis Street (RR)	3\4	Remove RR Crossing	Elevate Curb/Road Overlay			$35,000.00		$5,000.00		$40,000.00	**Level up bridge and crossing**
			Total Railroad Crossings			$35,000.00		$5,000.00		$40,000.00	

2016 STREET OVERLAY PROGRAM - Average cost of Street Overlay is $14.00 sq. yd. after patching and level up road prep costs (1-1/2" Asphalt Overlay).

STREET	COND	FROM	TO	(S. Y.)	$12.00	Patching	$1.50 SY	Level Up	$.50 SY	Budgeted	Notes
Arkansas Street	4-Mar	Portland	Eastward to deadend	667	$8,004.00		$1,000.50		$333.50	$9,338.00	
Barry Street	3\4	Eastmoor Drive	Westard to Harper Drive	2489	$29,868.00		$3,733.50		$1,244.50	$34,846.00	
Carter Street - Phase 1	3	University Ave.	Northward to Wiley/Moore	1556	$18,672.00		$2,334.00		$778.00	$21,784.00	
Eastmoor Street	3\4	Highway 80 (Victory Dr.)	South & Westward to Harper	6222	$74,664.00		$9,333.00		$3,111.00	$87,108.00	
Emory Street	3\4	Rosborough Springs	Westward to Sanford	4767	$57,204.00		$7,150.50		$2,383.50	$66,738.00	
Indian Springs (Dip)	4	Intersection	Renovate Intersection			$30,000.00		$5,000.00		$35,000.00	
Memorial Drive (Huge Dip)	4	Memorial Drive	Near Country Club Dr.			$35,000.00		$5,000.00		$40,000.00	
Merritt Street	3\4	South Washington Ave.	Westward to Bomar	3110	$37,320.00		$4,665.00		$1,555.00	$43,540.00	
Miller Street	3\4	Highway 80 (Victory Dr.)	Eastmoor Drive	4444	$53,328.00		$6,666.00		$2,222.00	$62,216.00	
Moore Street	3\4	Wiley Ave.	Norhward to Carter Street	2222	$26,664.00		$3,333.00		$1,111.00	$31,108.00	
Portland Avenue	3\4	Travis Street	Southward to deadend	1500	$18,000.00		$2,250.00		$750.00	$21,000.00	
Virginia Street (Mill/OL)	3\4	Bridge approach	Westward to RR Bridge	400	$4,800.00		$600.00		$200.00	$5,600.00	
University Ave. - Phase 1	3	Washington South	Bomar Street	4033	$48,396.00		$6,049.50		$2,016.50	$56,462.00	
University Ave. - Phase 2	3	Bomar Street	Hugh Street	17167	$206,004.00		$25,750.50		$8,583.50	$240,338.00	
Wiley Ave.	3	University Ave.	Northward to James Farmer	3556	$42,672.00		$5,334.00		$1,778.00	$49,784.00	
Wellington Street - So.	4	Square	Southward Travis	5460	$65,520.00		$8,190.00		$2,730.00	$76,440.00	
			Total Asphalt Overlay	57,593	$691,116.00	$65,000.00	$86,389.50	$10,000.00	$28,796.50	$881,302.00	

2016 STREET RECONSTRUCTION (Pulva-Mix and 1-1/2" Overlay) - Average cost of Asphalt Street Reconstruction $26.00 sq. yd. - no patching or level up road prep costs allocated in reconstructions.

STREET	COND	FROM	TO	(S. Y.)	$23.877 - $26.77	Patching	SY	Level Up	SY	Budgeted	Notes
Spring Street	3\4	Smith Park	Westward to Sanford	2200	$59,400.00					$59,400.00	Reconstruct after line replaced
			Total GF Reconstruct	2200	$59,400.00	$0.00	$0.00	$0.00	$0.00	$59,400.00	

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Misc Funds	$0.00	2016 Reconstruction Asphalt	$59,400.00	
Misc Funds	$0.00	2016 Reconstruction Concrete	$0.00	
Misc Funds	$0.00	Misc GF In-House Projects	$164,000.00	
2016 Interlocal Projects	$0.00	2016 Interlocal Projects	$0.00	
2015 Reprogramed Funds	$80,000.00			
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2016 STREET RECONSTRUCTION (CONCRETE) - Average cost of Concrete Street Reconstruction $92.50 sq. yd. - no patching or level up road prep costs.

STREET	COND	FROM	TO	(S. Y.)	$92.50 SY	Patching	$0 SY	Level Up	$0 SY	Budgeted	Notes
					$0.00		$0.00		$0.00	$0.00	None in 2016
			Total GF Concrete	0	$0.00					$0.00	

2016 CITY-COUNTY INTERLOCAL STREET PROJECTS - OIL RECLAMATION RECONSTRUCTION

STREET	COND	FROM	TO	Square Yards	$10.00 SY					Budgeted	Notes
											None in 2016
			Total County Interlocal	0						$0.00	
									INTERLOCAL STREET ESTIMATE:		$0.00

2016 MISC GENERAL FUND IN-HOUSE STREET PROJECTS & ENGINEERING, INSPECTION, AND TESTING SERVICES

STREET	COND	FROM	TO							Budgeted	Notes
Asphalt Density Tests		2014 Street Projects								$12,000.00	Tests to verify asphalt density
Bus Shelters (5)		Five New Shelters	Misc Locations							$10,000.00	Slab & Installation Work
Convert to Stops		Downtown Signals	Stop Stencil - Stop Signs							$12,000.00	Convert signals to Stops
General Striping		New Street OL/Micro								$20,000.00	And Install Traffic Stencils
Misc Projects		Bumps/Curbs/Etc.								$10,000.00	Misc Projects
Project Eng & Inspection		All Street Projects								$100,000.00	2016 Project Engineering
			Total Misc Gen Fund							$164,000.00	
									MISC. GENERAL FUND STREET ESTIMATE:		$1,144,702.00

2016 CDBG FUNDED STREET RECONSTRUCTION PROJECTS - Average cost of Street Overlay is $14.00 sq. yd. after patching and level up road prep costs (1-1/2" Asphalt Overlay).

STREET	COND	FROM	TO	(S. Y.)	$12.00	Patching	$1.50 SY	Level Up	$.50 SY	Overlay	Notes
		2016 CDBG Projects									
					$0.00		$0.00		$0.00	$0.00	
			Total 2016 CDBG	0	$0.00		$0.00		$0.00	$0.00	
									CDBG FUND STREET ESTIMATE:		$0.00

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CITY COMMISSION
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Misc Funds	$0.00	2016 New Overlay Programs	$881,302.00	
Misc Funds	$0.00	2016 Reconstruction Asphalt	$59,400.00	
Misc Funds	$0.00	2016 Reconstruction Concrete	$0.00	
Misc Funds	$0.00	Misc GF In-House Projects	$164,000.00	
2016 Interlocal Projects	$0.00	2016 Interlocal Projects	$0.00	
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Sub-Total GF Projects	$1,115,270.00	Sub-Total GF Projects	$1,144,702.00	-$29,432.00
CDBG Projects	Funds have not been allocated	CDBG Projects	$0.00	
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2016 STREET MAINTENANCE SALES TAX - OVERLAY PROGRAM - Average cost of Street Overlay is $14.00 sq. yd. after patching and level up road prep costs (1-1/2" Asphalt Overlay).

STREET	COND	FROM	TO	(S. Y.)	$12.00	Patching	$1.50 SY	Level Up	$.50 SY	Overlay	Notes
Bomar & Grove St. Ph. 2	3	University Ave.	Southward to Pinecrest Dr.	12500	$150,000.00		$18,750.00		$6,250.00	$175,000.00	2016 Street Maintenance Tax
Starr Circle - Travis	3\4	Starr Circle	Starr Circle	900	$10,800.00		$1,350.00		$450.00	$12,600.00	2016 Street Maintenance Tax
Travis Street (Mill/OL) Ph. 2	3\4	South Washington	Eastward to Alamo Blvd	6000	$72,000.00		$9,000.00		$3,000.00	$84,000.00	2016 Street Maintenance Tax
Travis Street (Mill/OL) Ph. 3	3\4	Starr Circle	South Washington	5400	$64,800.00		$8,100.00		$2,700.00	$75,600.00	2016 Street Maintenance Tax
Warren Drive (Mill/OL) Ph. 3	3\4	Highway 80 (Victory Dr.)	Southward to Wildwood Tr.	14000	$168,000.00		$21,000.00		$7,000.00	$196,000.00	2016 Street Maintenance Tax
			Total Street Sales Tax	38800	$ 465,600.00		$ 58,200.00		$ 19,400.00	$543,200.00	

2016 STREET RECONSTRUCTION (Pulva-Mix and 1-1/2" Overlay) - Average cost of Asphalt Street Reconstruction $26.00 sq. yd. - no patching or level up road prep costs allocated in reconstructions.

STREET	COND	FROM	TO	(S. Y.)	$23.877 - $26.77					Overlay	Notes
			Total GF Reconstruct	0	$0.00					$0.00	

STREET SALES TAX FUND ESTIMATE: $543,200.00

TOTAL 2016 STREET PROGRAM ESTIMATE: $1,687,902.00

2016 ALTERNATE STREET CONSIDERATIONS - AND - PRELIMINARY 2017 STREETS

ALTERNATE 2016 or 2017 OVERLAY STREETS - Average cost of Street Overlay is $14.00 sq. yd. after patching and level up road prep costs (1-1/2" Asphalt Overlay).

STREET	COND	FROM	TO	(S. Y.)	12.00 Sq Yd	Patching	$1.50 SY	Level Up	$.50 SY	Overlay	Notes
Allen Street	3	University Ave.	Highway 80 (Grand Ave.)	20067	$240,804.00		$30,100.50		$10,033.50	$280,938.00	Alternate 2016 - Prelim 2017
Alvin Street	3\4	Carter Street	Westward to Sanford St.	4375	$52,500.00		$6,562.50		$2,187.50	$61,250.00	Alternate 2016 - Prelim 2017
Arlington Road	4	400 ft north of Albermarle	Guimon Road and Hwy. 43	4500	$54,000.00		$6,750.00		$2,250.00	$63,000.00	Alternate 2016 - Prelim 2017
Bausley (Arena Road)	3\4	Poplar Street	Southward to Arena	3567	$42,804.00		$5,350.50		$1,783.50	$49,938.00	Alternate 2016 - Prelim 2017
Bishop Street - Phase 1	4	West Grand Ave.	Southward to West Houston	4100	$49,200.00		$6,150.00		$2,050.00	$57,400.00	Alternate 2016 - Prelim 2017
Carlisle Drive	3\4	Cox Road	350 northward to entry	1600	$19,200.00		$2,400.00		$800.00	$22,400.00	Alternate 2016 - Prelim 2017
Carter Street - Phase 2	3	Wiley/Moore	Northward to College Street	8556	$102,672.00		$12,834.00		$4,278.00	$119,784.00	Alternate 2016 - Prelim 2017
Cherrywood Circle	3\4	Garrett Street	Eastward to deadend	7000	$84,000.00		$10,500.00		$3,500.00	$98,000.00	Alternate 2016 - Prelim 2017
Cox Road - Phase 2	3\4	Eastward 1,630 feet	City Limits (near Five Notch)	3800	$45,600.00		$5,700.00		$1,900.00	$53,200.00	Alternate 2016 - Prelim 2017
Enola Mae	4	Highway 59 - North	Westward - looped back	10978	$131,736.00		$16,467.00		$5,489.00	$153,692.00	Alternate 2016 - Prelim 2017
Herndon Street	4\5	Tiger One	Speed Street	3100	$37,200.00		$4,650.00		$1,550.00	$43,400.00	Alternate 2016 - Prelim 2017

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Misc Funds	$0.00	Misc GF In-House Projects	$164,000.00	
2016 Interlocal Projects	$0.00	2016 Interlocal Projects	$0.00	
2015 Reprogramed Funds	$80,000.00			
Sub-Total GF Projects	$1,115,270.00	Sub-Total GF Projects	$1,144,702.00	-$29,432.00
CDBG Projects	Funds have not been allocated	CDBG Projects	$0.00	
Sub-Total CDBG Projects	$0.00	Sub-Total CDBG Projects	$0.00	$0.00
2016 Sales Tax Receipts	$517,500.00	Street Maint. Sales Tax - Overlay	$543,200.00	
2015 Reprogramed Funds	$25,000.00	St. Maint. Tax - Reconstruct	$0.00	
Sub-Total Street Maint. Tax	$542,500.00	Sub-Total Street Maint. Tax	$543,200.00	-$700.00
2015 Road Projects	$1,657,770.00	2014 Road Projects	$1,687,902.00	-$30,132.00

General Notes:
1) General Fund - assumes revenue of $1,115,270 and expense of $1,144,702 and represents 100.3% of the GF revenue budget
2) CDBG - funds have not been allocated for 2016; budget expense will be determined after we are notified of the 2016 funding level
3) Street Sales Tax Revenue is budgeted at $542,500 for 2016 budget year and expense of $543,200 or 100.001% of revenue budge

Holmes Road	4	Highway 59 North	Eastward to dead-end	8400	$100,800.00		$12,600.00		$4,200.00	$117,600.00	Alternate 2016 - Prelim 2017
Hulane Street	3	Henley Perry	Wingwood Drive	933	$11,196.00		$1,399.50		$466.50	$13,062.00	Alternate 2016 - Prelim 2018
Jasper Drive	3	Highway 80 (Victory Dr.)	Northward to dead-end	19000	$228,000.00		$28,500.00		$9,500.00	$266,000.00	Alternate 2016 - Prelim 2017
Lona Lane	4	Highway 59 - North	Westward dead-end	5000	$60,000.00		$7,500.00		$2,500.00	$70,000.00	Alternate 2016 - Prelim 2017
Lucille Street	4	Highway 80 - East	Northward to dead-end	2400	$28,800.00		$3,600.00		$1,200.00	$33,600.00	Alternate 2016 - Prelim 2017
North Drive	4\5	Hynson Springs Road	Northward to Goforth Road	3200	$38,400.00		$4,800.00		$1,600.00	$44,800.00	Alternate 2016 - Prelim 2017
Norwood Street	3\4	High Bridge	Van Vandt	18388	$220,656.00		$27,582.00		$9,194.00	$257,432.00	Alternate 2016 - Prelim 2017
Parker Street	3\4	Highway 80 - West	Northward to High Bridge	2130	$25,560.00		$3,195.00		$1,065.00	$29,820.00	Alternate 2016 - Prelim 2017
Poplar Street - Phase 1	4\5	Highway 59 - North	Jefferson Avenue	10478	$125,736.00		$15,717.00		$5,239.00	$146,692.00	Alternate 2016 - Prelim 2017
Poplar Street - Phase 1A	4\6	Jefferson Ave.	Westward to Bolivar	11378	$136,536.00		$17,067.00		$5,689.00	$159,292.00	Alternate 2016 - Prelim 2017
Poplar Street - Phase 2	4\5	Highway 59 - North	Eastward to Myrtlewood	16622	$199,464.00		$24,933.00		$8,311.00	$232,708.00	Alternate 2016 - Prelim 2017
Poplar Street - Phase 3	4\5	Myrtlewood	Eastward to Bell Cut-Off	12850	$154,200.00		$19,275.00		$6,425.00	$179,900.00	Alternate 2016 - Prelim 2017
Poplar Street - Phase 4	4\5	Bell Cut-off	Eastward to Loop 390	13600	$163,200.00		$20,400.00		$6,800.00	$190,400.00	Alternate 2016 - Prelim 2017
Rosborough Sprs - Ph. 1	3	Pinecrest Drive	Northward to Emory Street	6970	$83,640.00		$10,455.00		$3,485.00	$97,580.00	Alternate 2016 - Prelim 2017
Rosb. Sprs/Wiley - Ph. 2	3	Emory Street	University Ave.	9111	$109,332.00		$13,666.50		$4,555.50	$127,554.00	Alternate 2016 - Prelim 2017
Sanford Street	3	Houston West	Sounthward to Emory Street	18611	$223,332.00		$27,916.50		$9,305.50	$260,554.00	Alternate 2016 - Prelim 2017
Speed Street - Phase 1	4\5	Van Zandt	South to 300 ft S. of Randle	3200	$38,400.00		$4,800.00		$1,600.00	$44,800.00	Alternate 2016 - Prelim 2017
Speed Street - Phase 2	3\4	300 ft S. of Randle	Southward to Herndon	2930	$35,160.00		$4,395.00		$1,465.00	$41,020.00	Alternate 2016 - Prelim 2017
Van Zandt	3\4	Loop 390	Eastward to Grove Street	30978	$371,736.00		$46,467.00		$15,489.00	$433,692.00	Alternate 2016 - Prelim 2017
University Ave. - Phase 3	3	Hugh Street	Westward to MLK Jr. Blvd.	16400	$196,800.00		$24,600.00		$8,200.00	$229,600.00	Alternate 2016 - Prelim 2017
Yates Street	3	Fitzgerald/Indian Springs	Northward to deadend	3556	$42,672.00		$5,334.00		$1,778.00	$49,784.00	Alternate 2016 - Prelim 2017
Young Street	3	Houston Street - West	Northward to Rusk Street	2889	$34,668.00		$4,333.50		$1,444.50	$40,446.00	Alternate 2016 - Prelim 2017
			Total Alternate Overlay	290667	$3,488,004.00	$0.00	$436,000.50	$0.00	$145,333.50	$3,788,400.00	

ALTERNATE 2016 or 2017 STREET RECONSTRUCTION (Pulva-Mix and 1-1/2" Overlay) - Average cost of Asphalt Street Reconstruction $26.00 sq. yd. - no patching or level up road prep costs allocated in reconstructions

STREET	COND	FROM	TO	Square Yards	$26.00					Reconstruct	Notes
Angelo Street	4\5	Buck Sherrod	Westward to dead-end	1200	$31,200.00					$31,200.00	Alternate 2016 - Prelim 2017
Aubrey Street	5	Five Notch Road	Northward to dead-end	1300	$33,800.00					$33,800.00	Alternate 2016 - Prelim 2017
Wingwood Terrace	4\5	Henley Perry	Northward to Hulane	6733	$175,058.00					$175,058.00	Alternate 2016 - Prelim 2017
			Total GF Reconstruct	9,233	$240,084.00					$240,058.00	

TOTAL 2016 STREET PROGRAM ESTIMATE: $4,028,458.00