

Memo

TO:

Committee of the Whole

FROM:

Ed Andrews, PE Public Works Director

Joanie Baxter, CPA Controller

DATE:

January 11, 2019

SUBJECT:

General Fund Capital Project Discussion

In keeping with the proposed FY19/20 budget schedule the following is a discussion of General Fund capital projects. A key item for this is the amount of General Funds available. A detailed breakdown of current budgeted FY18/19 general funds is attached with the following highlighted items:

- The initial surplus indicated as of 5/1/18 is the surplus based on the ACTUAL cash balance in the General Fund (excluding Telecommunication Tax) at the BEGINNING of the current fiscal year.
- The minimum standard balance is 25% of current year budgeted revenues.
- The initial surplus was adjusted by unbudgeted transactions including the net paydown on the Washington 223 loan and the proceeds from the sale of the Blumenshine property.
- The adjusted surplus assumes that the budgeted drawdown of the General Fund is realized in the amount of \$1,291,642 during FY 2018-19.
- All budgeted capital for FY 2018-19 is reflected in the calculation, such that if not spent in FY 2018-19 and instead re-budgeted for FY 2019-20 – there would be no net effect on surplus.

Essentially this translates to a minimum of \$3M available for one-time Capital Projects in FY19/20 from General Fund, summarized as follows:

North Lawndale Reconstruction – A detailed estimate is attached projecting a total expenditure of \$1.7M with approximately \$385k and \$168k being sewer and water components respectively. This project anticipates the use of General Funds, augmented with Sewer and Water funds.

West Holland Reconstruction – A detailed estimate is attached projecting a total expenditure of \$500k with approximately \$75k and \$50k being eligible from sewer and water respectively. This project anticipates the use of General Funds, augmented with Sewer and Water funds.

Freedom Parkway Extension / LSD Signal Construction — Approximately every 2 to 3 years, the local regional planning organization Tri-County Regional Planning under PPUATS has Federal Funds available in a competitive pool at 30/70 funding. The estimate for this project is \$3.5M, with \$1M as the Local General Funds and the balance of \$2.5M as PPUATS / STU funds.

Stratford Bridge Construction - The existing 1961 box culvert has been load restricted to 12T. The estimate for this is \$350k, all under Local Funds.

The other major item, the Public Works Truck Barn was projected under the current budget in FY20/21 for constriction and has not been included in the following summary.

Project		Total Estimate	Ge	CoW eneral Fund	PPUATS STU Funds	Se	CoW wer Fund	Wa	CoW ater Fund
North Lawndale West Holland Freedom Parkway Stratford Bridge	\$ \$	488,253	\$	1,155,172 361,653 1,000,000 350,000	\$ 2,500,000	\$	384,925 74,600	\$ \$	168,080 52,000
	\$	6,046,430	\$	3,086,905	\$ 2,500,000	\$	459,525	\$	220,080

A review of the Sewer fund (primarily due to the delayed start of Phase 2A due to the tornado) shows it can provide it's share of funding for the two roadway reconstruction projects. However, the Water fund currently does not. It would need to refund General Fund \$220k as the rate adjustment considerations allow.

cc: File

sch hala	nce 5/1/18 (Excluding Telecommunication Tax)	0.044.00
		9,944,865
	Standard Balance (25% of budgeted revenue)	(2,439,040
irpius ai	fter Minimum Standard Balance 5/1/18	7,505,825
	aluded in CID	
-	cluded in CIP	
	und Budget - FY 18-19	
Stre		
	Hot-Mix Asphalt Paving	750,000
	Street Reconstruction engineering	60,000
	Stratford Bridge replacement engineering	50,000
	Salt Storage Shed - truck loadout/paving	75,000
	Legion Rd. Facility - site prep, concrete apron	72,500
	Culverts/storm sewer	25,000
Fire	Station roof rehab.	15,000
Rec.	Trails local match	169,000
Nofs	inger Road Realingnment	750,000
	as Rd. Phase 2 Improvements	100,000
	m Water Management	200,000
	Washington Estates flood control	50,000
	School Street Basin local match	68,000
	zenosi street basii iotal materi	2,184,500
		2,184,300
	Marilla Control of the Control of th	
	Budgeted to spend down fund 4/30/19	(1,291,642
		(1,231,042
	Inhusband in an accept (do an accept to from d belower)	
	Unbudgeted increases/(decreases) to fund balance) Pay down Wash. 223 loan	(4,965,800
	Less: new loan from Busey Bank	1,000,000
	Add: sale of Blumenshine	1,225,872
		(2,739,928
-	Actual Surplus balance 5/1/18	7,505,825
ī	Drawdown of reserves - budgeted	(1,291,642
	Drawdown of reserves - unbudgeted	(2,739,928
	Remaining surplus from 5/1/18 balance as adjusted*	3,474,255
F	Remaining surplus from 5/1/18 balance as adjusted*	3,474,255

City of Washington Lawndale Concept Estimate of Cost Mohr & Kerr Engineer & Land Surveying, PC 8/1/2017, rev EEA 6-14-18

			Enginee	r's Estimate
Item	Unit	Quan.	Unit Price	Total
Earth Excavation	Cu. Yd.	1.562	\$10.00	\$15.620.00
Pay't Removal	Sq. Yd.	4,978	\$7.50	\$37,333.33
Undercutting Subbase	Cu. Yd.	118	\$34.10	\$4,023.80
Aggregate Base Course CA-6 for Subase Repair	Ton	242	\$29.70	
Geotechnical Fabric for Base Repair	Sq. Yd.	236	\$2.75	\$7,187.40
Furnishing & Placing Top Soil, 4"	Sq. Yd.		\$4.00	\$649.00 \$9,600.00
Sodding, Class 1A		2,420.00	\$20.00	\$48,400.00
Storm Sewer Structure Protection	Each	22	\$100.00	\$2,200.00
Inlet Protection / Beaver Dams	Each	3	\$250.00	\$750.00
Stone RipRap, RR-4	Sq. Yd.	40	\$110.00	
Geotechnical Fabric for Ground Stabilization	Sq. Yd.	4.735	\$2.75	\$4,400.00
Aggregate Base Course, TY B, 8"		4,735		\$13,021.25
Bituminous Materials (Prime Coat)	Sq. Yd. Gallon		\$16.50	\$78,127.50
Poly. Bituminous Materials (Prime Coat)		1,657	\$4.95	\$8,202.15
	Gallon	237	\$6.60	\$1,564.20
Hot-Mix Asphalt Bind. Cse., IL-19.0, N50 (2" Thick) Poly. Hot-Mix Asphalt Surf. Cse., Mix D, N50 (2" Thick)	Ton	637	\$126.50	\$80,580.50
	Ton	637	\$132.00	\$84,084.00
P.C.C. Sidewalk, 4"	Sq. Yd.	710	\$67.50	\$47,925.00
P.C.C. Driveway Pavement, 6"	Sq. Yd.	562	\$77.00	\$43,274.00
ADA Ramps Comb. Conc. Curb & Gutter, Type M-6,12	Each	12	\$3,500.00	\$42,000.00
Driveway Pavement Removal	Feet	3,014	\$45.00	\$135,630.00
	Sq. Yd.	562	\$16.50	\$9,273.00
Combination Curb & Gutter Removal	Feet	3,014	\$20.00	\$60,280.00
Connect to Existing Water Main	Each	5	\$750.00	\$3,750.00
Water Main - 8"	Feet	1,718	\$60.00	\$103,080.00
Fire Hydrant w/ 6" Gate Valve and Valve Box	Each	3	\$5,000.00	\$15,000.00
Fire Hydrant Removal	Each	3	\$500.00	\$1,500.00
Gate Valve and Valve Box	Each	6	\$1,000.00	\$6,000.00
Water Service - 3/4" (Complete)	Each	31	\$1,250.00	\$38,750.00
Trench Backfill (Storm)	Cu. Yd.	1,200	\$30.00	\$36,000.00
Storm Sewer Removal	Feet	1,146	\$49.50	\$56,727.00
Storm Sewers, Cl. A, Type 2, RCP, 12"	Feet	645	\$85.00	\$54,825.00
Storm Sewers, Cl. A, Type 2, RCP, 18"	Feet	1,000	\$100.00	\$100,000.00
Inlet Manhole, 4' Dia., Type G-1	Each	4	\$4,180.00	\$16,720.00
MH to be Adjusted w/ New Ty. 1 Fr. & Gr., C.L.	Each	3	\$1,650.00	\$4,950.00
Inlet, Type G-1	Each	18	\$4,500.00	\$81,000.00
P.R.C.F.E.S., 18"	Each	1	\$880.00	\$880.00
Removing End Sections	Each	2	\$400.00	\$800.00
Removing Inlets	Each	9	\$495.00	\$4,455.00
Removing Manholes	Each	9	\$1,210.00	\$10,890,00
Sump Drain Laterals (Complete)	Each	31	\$750.00	\$23,250.00
Sump Drain Lines - 6"	Feet	822	\$25.00	\$20,550.00
Trench Backfill (San, 10' deep x 5' wide)	Cu. Yd.	2,591	\$30.00	\$77,715.00
San. Manholes, 4' Dia., Ty. 1 Fr., C.L.	Each	7	\$4,250.00	\$29,750.00
Sanitary Sewer - 6" (10' to 15' Deep)	Feet	748	\$95.00	\$71,060.00
Sanitary Sewer - 8" (10' to 15' Deep)	Feet	979	\$100.00	\$97,900.00
Sanitary Lateral (Overhead)	Each	31	\$3,500.00	\$108,500.00
Traffic Control & Protection	L. Sum	1	\$10,000.00	\$10,000.00
	Subtotal	-		\$1,708,177.13
	Total			\$1,708,177.13

Roadway	Sewer	Storm	Water
Items	Items	Items	Items
645 620 00			
\$15,620.00 \$37,333.33			
\$4,023.80			
\$7,187.40			
\$649.00			
\$9,600.00			
\$48,400.00		¢0 000 00	
		\$2,200.00	
		\$750.00	
642 004 05		\$4,400.00	
\$13,021.25			
\$78,127.50			
\$8,202.15			
\$1,564.20			
\$80,580.50			
\$84,084.00			
\$47,925.00			
\$43,274.00			
\$42,000.00		\$135,630.00	
\$9,273.00		\$ 135,030.00	
ψ9,275.00		\$60,280.00	
		\$00,200.00	\$3,750.00
			\$103,080.00
			\$15,000.00
			\$1,500.00 \$6,000.00
			\$38,750.00
		\$36,000.00	Ψ50,750.00
		\$56,727.00	- 1 1
		\$54,825.00	
		\$100,000.00	7
		\$16,720.00	
		\$4,950.00	
		\$81,000.00	
		\$880.00	
		\$800.00	
		\$4,455.00	- 1 H J
		\$10,890.00	
		\$23,250.00	
	677.74F.00	\$20,550.00	
	\$77,715.00		
	\$29,750.00		
	\$71,060.00		
	\$97,900.00		
\$10,000.00	\$108,500.00		J 1
Ψ10,000.00			
\$540,865.13	\$384,925.00	\$614,307.00	\$168,080.00

Holland Street Reconstruction

from Market St. to S. Main St Approx Length = 525 LF

				Project
16				Total
Item	Unit	Quan.	Unit Price	
Sodding, Class 1A	SQ YD	585	\$20.00	\$11,700.00
Supplemental Watering	UNITS	25	\$50.00	, ,,,
Topsoil - Furnish & Place 4"	SQ YD	585	\$4.00	\$2,340.00
Earth Excavation	CY	525	\$10.00	\$5,250.00
Pav't Remv'l	SQ YD	1633	\$7.50	\$12,250.00
Brick Pavement Remv'l & Salvage	SQ YD	1556	\$10.00	\$15,555.56
Curb Remv'l	FOOT	1050	\$20.00	\$21,000.00
Sidewalk Remv'l	SQ FT	4200	\$2.50	\$10,500.00
Driveway Apron Remv'l	SQ YD	140	\$4.00	\$560.00
Inlet Demolition	EA	4	\$1,250.00	\$5,000.00
Agg Bse Cse - 8"	TON	850	\$35.00	\$29,762.96
HMA Bse Cse - 4"	TON	392	\$100.00	\$39,200.00
Brick Paver Installation	SQ FT	3528	\$8.00	\$28,224.00
PCC Sidewalk - 4"	SQ FT	4200	\$7.50	\$31,500.00
PCC Driveway Apron- 6"	EA	9	\$2,000.00	\$18,000.00
ADA Ramps	EA	6	\$3,500.00	\$21,000.00
PCC C&G B6.12 (Machine)	FOOT	1050	\$45.00	\$47,250.00
Storm Sewer - CL A, TY 1, 12"	LF	50	\$85.00	\$4,250.00
Trench Backfill (Storm)	CY	47	\$30.00	\$1,410.00
Inlets - Type G-1	EA	4	\$4,500.00	\$18,000.00
Inlet Protection	EA	4	\$225.00	\$900.00
Trench Backfill (San, 10' deep x 5' wide)	CY	345	\$30.00	\$10,350.00
Sanitary Sewer - 8" (10' to 15' Deep)	LF	230	\$100.00	\$23,000.00
Sanitary Lateral (Overhead)	EA	9	\$3,500.00	\$31,500.00
Sanitary MH 4' Dia.	EA	2	\$4,250.00	\$8,500.00
Remove Sanitary MH	EA	1	\$1,250.00	\$1,250.00
Connect to Existing Water Main	EA	2	\$750.00	\$1,500.00
Gate Valve & Box - 6"	EA	2	\$1,000.00	\$2,000.00
Fire Hydrant w/ 6" Gate Valve & Box	LF	2	\$5,000.00	\$10,000.00
Fire Hydrant Removal	EA	2	\$500.00	\$1,000.00
Water Main - 6"	LF	525	\$50.00	\$26,250.00
Water Service - 3/4" (Complete)	EA	9	\$1,250.00	\$11,250.00
Sump Drain Laterals (Complete)	EA	9	\$750.00	\$6,750.00
Sump Drain Line - 6"	LF	800	\$25.00	\$20,000.00
Traffic Control & Protection	LS	1	\$10,000.00	\$10,000.00
			, ,	Ţ. 1,000.00
				\$488,252.52

Roadway	Sewer	Storm	Water
Items	Items	Items	Items
\$11,700.00			
\$1,250.00			
\$2,340.00			
\$5,250.00			
\$12,250.00 \$15,555.56			
\$15,555.50		\$21,000.00	
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		\$18,000.00	
		\$900.00	
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	\$23,000.00		
	\$31,500.00		
	\$8,500.00		
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			\$1,000.00
			\$26,250.00
			\$11,250.00
		\$6,750.00	
\$10,000.00		\$20,000.00	
\$237,092.52	\$74,600.00	\$124,560.00	\$52,000.00
TTT. JOURIUE	ψ1 1 ,000.00	Ψ 12-7,000.00	ΨυΖ,000.00

Project Title:	Project Type:
Streets - Truck Barn(s)	Capital

Project Description/Location:

Consolidation of Public Works facilities is desirable from an operation standpoint and from simple space availability. Currently facilities are scattered between shops at Jefferson Street and Legion Road. The project would look to construct a new larger building at City owned properties at Legion Road, also targeting consolidation with the new saft shed.



Justification:	Project Prioritization:	
The City of Washington has grown over 40% in recent dedaces, finding Public Works operations split between multiple locations. The current Jefferson Street facility is an older shared facility with portions of the structures in the hundred year, Q(100) flood plain. While protection may be afforded by a possible US Corps Hazard Mitigation Grant for WTP#1, space will still be limited. Use of one of the buildings may be suitable for the Police Department if the current location of the Public Works Street Department is relocated. Relocation to Legion Road will improve efficiency and save wages and fuel cost.	Criteria Stewardship of Tax Dollars Service Delivery Quality of Life Legal/Contractual Oblig. Health/Safety	Score 11 14 3 3 3
	Project Score:	34

Cost Summary:		Schedule:		YVI S	FILS & CA	A Charles	State of the	diam'r.	16 History
Prior Yrs Cost						Fiscal Year	•		
19-20	\$15,000	Phase	Prior Yr.	19-20	20-21	21-22	22-23	23-24	Future
20-21	\$280,000	Arc. & Eng.		✓					
21-22	\$255,000	Acquisition		Ò					
22-23		Construction			Ø.	Ø			
23-24 Future		Comments:	City crews w	vill support t	he project si	milar to cons	struction of th	ne salt shed	in 2018.
TOTAL COST:\$	550,000								

Cost Detail	1.18		the suite with the Court with the profession of the profession of the court of the
Item		Cost	Notes/Assumptions
A. Feasibility Study (if applicable)			
B. Conceptual Design (if applicable)			
C. Engineering & Design	\$	25,000	Geotech and foundation engineering
D. Land Acquisition (sum D1, D2, D3)			
D1. Land Cost	\$		
D2. Engineering	\$		
D3. Legal	\$	-	
E. Utility Relocation	\$	15,000	Septic tank relocation or forcemain to CEFCU MH
F. Construction (sum F1 & F2)			
F1. Construction Cost	\$	500,000	
F2. Contingency	\$	10,000	
G. Construction Management/Inspection			
H. Equipment (tools, furnishings, etc.)			
I. Inflation (F+H X .03)/year			
J. Other - explain:			
Total Project Cost:		\$550,000	

Project Final	ncing:	
Source(s):	General Fund	Details:
Amount:	\$550,000	

Responsible Staff/Department:	Linux training transfer was the same
KS/EA Public Works - Streets	

Project Prioritization Matrix		
Each criterion listed below is rated on a scale of 0 to 3 based on the following rating key:		
	Priority	,
	Rating	Evolunation
	<u>Value</u> 0	Explanation Does not meet criteria
	1	Meets criterion poorly
	2	Meets criterion satisfactorily
	3	Meets criterion very well
Criteria Scoring		
Stewardship of Taxpayer Dollars	Rating	Comments
1. Will the improvement help conserve resources,		Yes, Preliminary estimates have saving upwards of
generate revenue, and/or provide a quick payback	3	\$35,000/YR. Depending on final bids, payback
on investment dollars?		could be 8.5 years.
O. Dona de la companya de la company		
Does the improvement preserve/protect other Town investments?	3	Yes, Indoor storage is desireable to protect
Does the improvement take advantage of one-		equipment investments.
time or unique opportunities (i.e. low interest rates,		Rates have risen and future increases are
grants, reduced pricing) that can result in overall	2	expected.
savings to taxpayers?		capecieu.
		The new location will improve emiciency between
4. Will the improvement not require additional		the street department and the distribution and
personnel, equipment, and/or significant ongoing	3	collections department as well as the City's
maintenance?		Mechanic. There are no immediate plans for adding
Total Stangardakin of Tangaran Bullan G	4.4	employees or equipment. Normal building
Total Stewardship of Taxpayer Dollars Score	11	
Service Delivery	Rating	Comments
Is the improvement needed to provide an	3	No, but the relocation to Legion road will improve efficiency in the services being provided to our
essential service?		residents now.
2. Will the improvement help achieve the expected		
level of service?	3	The improvement will improve the level of service.
Does the improvement address a need shared		
by a significant number of taxpayers?	3	Should help save tax dollars by being more efficient.
ey a digilliani di tarpayoro.		Yes, the two departments and mechanic will have
4. Will the improvement reduce inefficiencies or	_	better coordination and there will also be less time
improve operational efficiency?	3	spent traveling between the current location and the
		proposed location increasing productivity and
Does the improvement require quick		
implementation in order to assure its success or	2	No, however waiting to relocate will delay savings
maximize effectiveness?		that will be realized by improving efficiency now.
Total Service Delivery Score	44	
	14	
Amplified Criteria	والبيايات	
	Rating Yes = 3; No = 0	Comments
Legal Requirement/Contractual Obligation		The current location connet be assessed at a fit
Is the improvement necessary to meet legal	3	The current location cannot be expanded to fit current needs and would not be legal to do so.
requirements or contractual obligations?		
Health/Safety Is the improvement needed to protect the	2	Adequate space for equipment helps maintain
health/safety of the public or Town employees?	3	required life safety routes to exists and other
Quality of Life		potential conflicts during parking, etc.
Will the improvement positively impact resident	_	The towns image would improve by showing
quality of life, property values/local economy,	3	residents our commitment to being more efficient to
and/or Town appearance/image?		save tax payer dollars.
AUGU (400		