



Shelton City Council
Meeting Agenda
July 16, 2024 at 6:00 p.m.
Civic Center & Virtual Platform

A. Call to Order

- Pledge of Allegiance
- Roll Call
- Late Changes to the Agenda

B. Council Reports

C. Consent Agenda (Action)

1. Vouchers numbered 111066 through 111094 and EFT payment numbers 466 through 480 in the total amount of \$160,277.59
2. Vouchers numbered 111101 through 111129 and EFT payment numbers 481 through 497 in the total amount of \$134,224.12

D. General Public Comment (3-minute time limit)

The Council invites members of the public to provide comments on any City-related topic. To make comments in person, please sign in on the public comment sheet and keep an instruction card. If you would like to comment on an Action item, please write the agenda item number on the list. To comment virtually using Zoom, please use the "Raise Hand" feature to alert the City Clerk. If you have joined Zoom on your telephone, dial *9 to use the "Raise Hand" feature. City Councilmembers and City Staff will not enter into a dialogue during public comment. If the Council feels an issue requires follow up, Staff will be directed to respond at an appropriate time.

E. Presentations

1. May Financial Status Report – Presented by Finance Director Mike Githens

F. Business Agenda (Study/No Action)

1. Resolution No. 1341-0724 Grant Acceptance for Wallace Kneeland Blvd/Shelton Springs Rd – Presented by Capital Projects Manager Aaron Nix

G. Action Agenda (Action/Public Comment Taken)

No action items

H. Administration Reports

1. City Manager Report

I. New Items for Discussion

J. Announcement of Next Meeting – August 6, 2024 at 6:00 p.m.

K. Adjourn

Special Note for Virtual Public Participation

The meeting can be viewed at: <https://www.youtube.com/user/cityofshelton>

The public can provide comments virtually by:

Email: donna.nault@sheltonwa.gov (before 5:00pm the day of the meeting)

Telephone: (360) 432-5103 (before 5:00pm the day of the meeting)

Join the Zoom meeting by clicking on the link posted on the City Council's webpage

Your comments will be relayed directly to the Council.



2024 Looking Ahead

(Items and dates are subject to change)

Tues. 7/23 6:00 p.m.	Study Session	Study Agenda <ul style="list-style-type: none"> • Troy Nichols – Annual Report 	Packet Items Due: 7/19 @ noon
Tues. 8/6 6:00 p.m.	Regular Meeting	Consent Agenda <ul style="list-style-type: none"> • Vouchers/Payroll Warrants/Meeting Minutes • Resolution No. 1341-0724 Acceptance of Grant Funds for Wallace Kneeland/Shelton Springs Rd. Intersection Improvements Presentations <ul style="list-style-type: none"> • Shelton-Mason County Chamber Q1 LTAC Report Business Agenda <ul style="list-style-type: none"> • Resolution No. 1340-0624 AMI Project Award Action Agenda <ul style="list-style-type: none"> • Administration Report <ul style="list-style-type: none"> • 	Packet Items Due: 7/26 @ 5:00 p.m.
Tues. 8/13 6:00 p.m.	Study Session	Study Agenda <ul style="list-style-type: none"> • Shopping Cart Regulations 	Packet Items Due: 8/9 @ noon
Tues. 8/20 6:00 p.m.	Regular Meeting	Consent Agenda <ul style="list-style-type: none"> • Vouchers/Payroll Warrants/Meeting Minutes Presentations <ul style="list-style-type: none"> • Forest Festival LTAC Report • June Financial Status Report Business Agenda <ul style="list-style-type: none"> • Action Agenda <ul style="list-style-type: none"> • Resolution No. 1340-0624 AMI Project Award • Civic Center Rotating Art Gallery Administration Report <ul style="list-style-type: none"> • 	Packet Items Due: 8/9 @ 5:00 p.m.
Tues. 8/27 6:00 p.m.	Study Session	Study Agenda	Packet Items Due: 8/23 @ noon
Tues. 9/3 6:00 p.m.	Regular Meeting	Consent Agenda <ul style="list-style-type: none"> • Vouchers/Payroll Warrants/Meeting Minutes Presentations <ul style="list-style-type: none"> • Business Agenda <ul style="list-style-type: none"> • Action Agenda <ul style="list-style-type: none"> • Administration Report <ul style="list-style-type: none"> • 	Packet Items Due: 8/23 @ 5:00 p.m.
Tues. 9/10 6:00 p.m.	Study Session	Study Agenda	Packet Items Due: 9/6 @ noon

Tues. 9/17 6:00 p.m.	Regular Meeting	Consent Agenda <ul style="list-style-type: none"> • Vouchers/Payroll Warrants/Meeting Minutes Presentations <ul style="list-style-type: none"> • July Financial Status Report Business Agenda <ul style="list-style-type: none"> • Action Agenda <ul style="list-style-type: none"> • Administration Report <ul style="list-style-type: none"> • 	Packet Items Due: 9/6 @ 5:00 p.m.
Tues. 9/24 6:00 p.m.	Study Session	Study Agenda	Packet Items Due: 9/20 @ noon

Other – TBD

- Project and Funding Authorization for Wallace Kneeland/Shelton Springs Intersection Improvements
- Height Limit Ordinance
- Resolution No. 1316-0124 ILA with Mason County for Reimbursable Work, Supplies and Services
- International Property Maintenance Code

DRAFT

VOUCHER APPROVAL

I, the undersigned, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered, or the labor performed as described herein vouchers number 111066 through number 111094 and EFT payment numbers 466 through 480 in the total amount of \$160,277.59 that the claims are just, due and unpaid obligations against the City of Shelton, and that I am authorized to authenticate and certify said claims.

Signed this 28th of June, 2024.


Finance Director

We, the undersigned members of the City Council of Shelton, Washington, do hereby certify that the vouchers contained herein are approved for payment.

Signed this _____ of _____, 2024.

Mayor Eric Onisko

Deputy Mayor Sharon Schirman

Councilmember George Blush

Councilmember Tom Gilmore

Councilmember Miguel Gutierrez

Councilmember Lyndsey Sapp

Councilmember Melissa Stearns



Shelton, WA

Check Register

Packet: APPKT03180 - JUNE 28,2024 AP PAYMENTS

By Check Number

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: APBNK-Main-APBNK-Main						
VEN02001	ADVANCED BACKFLOW & CROSS CC	06/28/2024	EFT	0.00	900.00	466
008300	CODE PUBLISHING COMPANY	06/28/2024	EFT	0.00	533.12	467
009351	DELAGÉ LANDEN FINANCIAL SVCS	06/28/2024	EFT	0.00	866.08	468
VEN02319	DENALI WATER SOLUTIONS LLC	06/28/2024	EFT	0.00	6,808.62	469
020010	EVERGREEN RURAL WATER	06/28/2024	EFT	0.00	480.00	470
023078	FASTENAL COMPANY	06/28/2024	EFT	0.00	480.49	471
023500	FERGUSON ENTERPRISES, INC.	06/28/2024	EFT	0.00	713.05	472
040960	GRAINGER	06/28/2024	EFT	0.00	757.02	473
045000	H.D. FOWLER COMPANY	06/28/2024	EFT	0.00	1,691.31	474
079581	KCDA PURCHASING COOPERATIVE	06/28/2024	EFT	0.00	223.63	475
VEN02489	MOTORS & CONTROLS CORP	06/28/2024	EFT	0.00	569.02	476
151000	P. U. D. # 3	06/28/2024	EFT	0.00	5,651.30	477
189670	THE SHOPPER	06/28/2024	EFT	0.00	1,218.00	478
204069	WESTERN STEEL & SUPPLY, INC.	06/28/2024	EFT	0.00	76.21	479
204123	WHISLER COMMUNICATIONS	06/28/2024	EFT	0.00	1,700.70	480
001039	AIRGAS, INC	06/28/2024	Regular	0.00	411.66	111066
VEN01748	ALLEGIANCE COMPRESSOR SERVICE	06/28/2024	Regular	0.00	299.20	111067
002982	APP	06/28/2024	Regular	0.00	6,777.25	111068
VEN02338	BHC CONSULTANTS LLC	06/28/2024	Regular	0.00	15,751.96	111069
VEN02340	BLT SHELTON PONY, LLC	06/28/2024	Regular	0.00	5,467.86	111070
098000	BUILDERS FIRSTSOURCE	06/28/2024	Regular	0.00	85.89	111071
VEN01214	CINTAS CORPORATION	06/28/2024	Regular	0.00	157.64	111072
VEN01281	CITY OF SHELTON - UTILITY-BILLS/PE	06/28/2024	Regular	0.00	19,604.65	111073
VEN02290	CLARY LONGVIEW LLC	06/28/2024	Regular	0.00	60,737.60	111074
009591	DEPT OF LABOR & INDUSTRIES	06/28/2024	Regular	0.00	29.90	111075
VEN02425	HUMANE SOCIETY OF MASON COUN	06/28/2024	Regular	0.00	220.85	111076
VEN02572	LEONOR GAVIOLA	06/28/2024	Regular	0.00	200.00	111077
VEN01755	MASON COUNTY GARBAGE	06/28/2024	Regular	0.00	1,628.19	111078
VEN02312	ODP BUSINESS SOLUTIONS LLC	06/28/2024	Regular	0.00	37.31	111079
VEN02070	PAPE MACHINERY	06/28/2024	Regular	0.00	113.51	111080
159300	POLYDYNE, INC.	06/28/2024	Regular	0.00	12,711.87	111081
VEN02362	RADIA INC PS	06/28/2024	Regular	0.00	206.16	111082
166927	RAINIER LIGHTING & ELECTRICAL	06/28/2024	Regular	0.00	228.48	111083
VEN02573	REVO2 SOLUTIONS LLC	06/28/2024	Regular	0.00	5,755.52	111084
180900	SETINA MFG. CO., INC.	06/28/2024	Regular	0.00	598.67	111085
186242	SHELTON HIGH SCHOOL ASB	06/28/2024	Regular	0.00	1,144.00	111086
192800	SOUTHGATE FENCING, INC.	06/28/2024	Regular	0.00	269.56	111087
VEN02534	SUMMIT TOWING INC	06/28/2024	Regular	0.00	192.15	111088
VEN02006	THOMAS FAMILY ENTERPRISES LLC	06/28/2024	Regular	0.00	566.85	111089
201300	TOZIER BROS INC.	06/28/2024	Regular	0.00	211.52	111090
145325	VALVOLINE LLC	06/28/2024	Regular	0.00	98.92	111091
VEN02408	VEOLIA WATER TECHNOLOGIES TRE	06/28/2024	Regular	0.00	3,945.30	111092
VEN02544	VESTIS GROUP INC	06/28/2024	Regular	0.00	91.21	111093

Check Register

Vendor Number
053987

Vendor Name
WESTBAY NAPA AUTO PARTS

Payment Date
06/28/2024

Payment Type
Regular

Discount Amount Payment Amount Number
0.00 65.36 111094

Bank Code APBNK-Main Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	47	29	0.00	137,609.04
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	30	15	0.00	22,668.55
Virtual Payments	0	0	0.00	0.00
	77	44	0.00	160,277.59

Virtual Payments	0	0	0.00	0.00
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Fund Summary

Fund	Name	Period	Amount
999	Pooled Cash	6/2024	160,277.59
			<u>160,277.59</u>



Shelton, WA

Check Register

Packet: APPKT03180 - JUNE 28,2024 AP PAYMENTS

By Check Number

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
VEN02001	ADVANCED BACKFLOW & CROSS CC	06/28/2024	EFT	0.00	900.00	466
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
455	Invoice	06/13/2024	ANNUAL BACKFLOW ASSEMBLY TESTING F	0.00	550.00	
<u>001-119-000-52250-4100</u>		FIRE FACIL - Professional		ANNUAL BACKFLOW ASSE	110.00	
<u>001-140-000-55430-4100</u>		CD AN CTRL - Professional		ANNUAL BACKFLOW ASSE	110.00	
<u>001-142-000-51890-4115</u>		FACIL CIVIC - Professional		ANNUAL BACKFLOW ASSE	110.00	
<u>001-142-000-57250-4100</u>		FACIL LIB - Professional Se		ANNUAL BACKFLOW ASSE	110.00	
<u>001-142-000-57530-4100</u>		FACIL MUSM - Profession		ANNUAL BACKFLOW ASSE	110.00	
456	Invoice	06/13/2024	ANNUAL BACKFLOW TEST FOR PARKS	0.00	250.00	
<u>001-141-000-57680-4100</u>		PARKS - Professional Servi		ANNUAL BACKFLOW TEST	250.00	
457	Invoice	06/13/2024	ANNUAL BACKFLOW TEST FOR ROADSIDE	0.00	100.00	
<u>101-000-000-54270-4100</u>		ST RD PRK - Prof Svcs/Adv		ANNUAL BACKFLOW TEST	100.00	
008300	CODE PUBLISHING COMPANY	06/28/2024	EFT	0.00	533.12	467
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>GCI0014241</u>	Invoice	05/29/2024	CUST# SH4639 MUNICIPAL CODE WEB UP	0.00	533.12	
<u>001-121-000-51130-4100</u>		CLK CD REV - Prof Service		CUST# SH4639 MUNICIPAL	533.12	
009351	DELAGE LANDEN FINANCIAL SVCS	06/28/2024	EFT	0.00	866.08	468
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
82786963	Invoice	06/22/2024	CONTRACT#500-50265514	0.00	162.12	
<u>402-700-000-59135-7001</u>		SEW DEBT - Long Term Le		CONTRACT#500-50265514	162.12	
82786965	Invoice	06/22/2024	CONTRACT# 500-50499914	0.00	162.12	
<u>401-250-000-59134-7001</u>		WAT DEBT - Long Term Le		CONTRACT# 500-5049991	162.12	
82789330	Invoice	06/22/2024	CONTRACT# 500-50492834	0.00	270.92	
<u>001-111-000-59114-7001</u>		FIN - Long Term Lease		CONTRACT# 500-5049283	162.55	
<u>001-130-000-59117-7001</u>		HR - Long Term Lease		CONTRACT# 500-5049283	108.37	
82789332	Invoice	06/22/2024	CONTRACT# 500-50499916	0.00	270.92	
<u>001-115-000-59148-7001</u>		PW ADM - Long Term Lea		CONTRACT# 500-5049991	127.33	
<u>001-120-000-59113-7001</u>		C MGR - Long Term Lease		CONTRACT# 500-5049991	13.55	
<u>001-140-000-59158-7001</u>		CD - Long Term Lease		CONTRACT# 500-5049991	130.04	
VEN02319	DENALI WATER SOLUTIONS LLC	06/28/2024	EFT	0.00	6,808.62	469
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>INV843829</u>	Invoice	06/21/2024	CUST#599121378 TRANSPORTATION	0.00	6,808.62	
<u>402-400-000-53580-4100</u>		SEW SV MN - Professional		CUST#599121378 TRANSP	6,808.62	
020010	EVERGREEN RURAL WATER	06/28/2024	EFT	0.00	480.00	470
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
49911	Invoice	06/13/2024	CLASS REGISTRATION.MOODY,ARMSTRON	0.00	480.00	
<u>402-400-000-53580-4307</u>		SEW SV MN - Travel-Traini		CLASS REGISTRATION.MO	480.00	
023078	FASTENAL COMPANY	06/28/2024	EFT	0.00	480.49	471
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>WATUM225319</u>	Invoice	06/18/2024	CUST# WATUM1039- FIRST AID SUPPLIES	0.00	355.23	
<u>402-400-000-53580-3100</u>		SEW SV MN - Office and		CUST# WATUM1039- FIRST	355.23	

Check Register

Packet: APPKT03180-JUNE 28,2024 AP PAYMENTS

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
<u>WATUM225322</u> 401-000-000-53480-3100	Invoice WAT - Office and Operati	06/18/2024	CUST#WATUM1147- MISC SUPPLIES	0.00	74.80	
<u>WATUM225415</u> 503-000-000-54865-3100	Invoice EMR - Office and Operati	06/21/2024	CUST#WATUM1147- MISC SUPPLIES	0.00	50.46	
023500	FERGUSON ENTERPRISES, INC.	06/28/2024	EFT	0.00	713.05	472
Payable # Account Number <u>0043734</u> 402-640-000-53580-3100	Payable Type Invoice	Payable Date 06/10/2024	Payable Description CUST#2543 BUTTERFLY VALVE	Discount Amount 0.00	Payable Amount 713.05	
		Account Name SEW SV SAT - Office and	Project Account Key CUST#2543 BUTTERFLY VA	Item Description	Dist Amount 713.05	
040960	GRAINGER	06/28/2024	EFT	0.00	757.02	473
Payable # Account Number <u>9144759413</u> 001-142-000-51890-3110	Payable Type Invoice	Payable Date 06/07/2024	Payable Description ACCT#839177342 2 PK GRAY DOOR	Discount Amount 0.00	Payable Amount 278.92	
		Account Name FACIL CIVIC - Office & Op	Project Account Key ACCT#839177342 2 PK GR	Item Description	Dist Amount 278.92	
<u>9149592447</u> 402-400-000-53580-3100	Invoice	06/12/2024	ACCT#839177342 MISC SUPPLIES	0.00	478.10	
		SEW SV MN - Office and	ACCT#839177342 MISC SU		478.10	
045000	H.D. FOWLER COMPANY	06/28/2024	EFT	0.00	1,691.31	474
Payable # Account Number <u>16730533</u> 402-400-000-53580-3100	Payable Type Invoice	Payable Date 06/13/2024	Payable Description ACCT#194680 GASKETS, COUPLINGS	Discount Amount 0.00	Payable Amount 1,691.31	
		Account Name SEW SV MN - Office and	Project Account Key ACCT#194680 GASKETS, C	Item Description	Dist Amount 845.65	
<u>404-000-000-53180-3100</u>		STRM - Office and Operati	ACCT#194680 GASKETS, C		845.66	
079581	KCDA PURCHASING COOPERATIVE	06/28/2024	EFT	0.00	223.63	475
Payable # Account Number <u>300790488</u> 001-141-000-57680-3100	Payable Type Invoice	Payable Date 06/11/2024	Payable Description CUST# 101367 CAN LINERS	Discount Amount 0.00	Payable Amount 223.63	
		Account Name PARKS - Office and Opera	Project Account Key CUST# 101367 CAN LINERS	Item Description	Dist Amount 223.63	
VENO2489	MOTORS & CONTROLS CORP	06/28/2024	EFT	0.00	569.02	476
Payable # Account Number <u>109395</u> 402-640-000-53580-3100	Payable Type Invoice	Payable Date 06/14/2024	Payable Description CUST#0002906- PURE WHITE 120V LED B	Discount Amount 0.00	Payable Amount 569.02	
		Account Name SEW SV SAT - Office and	Project Account Key CUST#0002906- PURE WHI	Item Description	Dist Amount 569.02	
151000	P. U. D. #3	06/28/2024	EFT	0.00	5,651.30	477
Payable # Account Number <u>101002JUNE2024</u> 101-000-000-54264-4700	Payable Type Invoice	Payable Date 06/20/2024	Payable Description 101002JUNE2024	Discount Amount 0.00	Payable Amount 92.67	
		Account Name ST TR CTL - Utility Service	Project Account Key 101002JUNE2024	Item Description	Dist Amount 92.67	
<u>101149001JUNE2</u> 401-000-000-53480-4700	Invoice	06/20/2024	101149001JUNE2024	0.00	63.17	
		WAT - Utility Services	101149001JUNE2024		63.17	
<u>113939001 JUNE</u> 401-000-000-53480-4700	Invoice	06/17/2024	113939001 JUNE2024	0.00	66.41	
		WAT - Utility Services	113939001 JUNE2024		66.41	
<u>252689001JUNE2</u> 402-640-000-53580-4700	Invoice	06/20/2024	252689001JUNE2024	0.00	5,200.06	
		SEW SV SAT - Utility Servi	252689001JUNE2024		5,200.06	
<u>82241001JUNE20</u> 001-141-000-57680-4700	Invoice	06/17/2024	82241001JUNE2024	0.00	93.96	
		PARKS - Utility Services	82241001JUNE2024		93.96	
<u>85079001 JUNE2</u> 402-300-000-53580-4700	Invoice	06/17/2024	85079001 JUNE2024	0.00	70.32	
		SEW CL MN - Utility Servi	85079001 JUNE2024		70.32	
<u>85183001JUNE20</u> 404-000-000-53180-4700	Invoice	06/17/2024	85183001JUNE2024	0.00	64.71	
		STRM - Utility Services	85183001JUNE2024		64.71	
189670	THE SHOPPER	06/28/2024	EFT	0.00	1,218.00	478

Check Register

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
61734	Invoice	06/20/2024	2024 WATER QUALITY REPORTS	0.00	1,218.00	
401-000-000-53480-4100	WAT - Professional Servic		2024 WATER QUALITY REP		1,218.00	
204069	WESTERN STEEL & SUPPLY, INC.	06/28/2024	EFT	0.00	76.21	479
211332	Invoice	06/14/2024	FITTINGS	0.00	76.21	
503-000-000-54865-3105	EMR - Oper Supp-Parts-S		FITTINGS		76.21	
204123	WHISLER COMMUNICATIONS	06/28/2024	EFT	0.00	1,700.70	480
16705	Invoice	06/21/2024	ACCT#101376- MOBILE RADIO,ANTENNA,	0.00	1,453.46	
302-000-000-59421-6000	CAP IMP - Police Capital P	24-NEWEQUIP-POLICE	ACCT#101376- MOBILE RA		1,453.46	
16706	Invoice	06/21/2024	ACCT#101376 MICROPHONE,ANTENNA,C	0.00	247.24	
001-118-000-52122-3110	PD PAT - Office & Operati		ACCT#101376 MICROPHO		247.24	
001039	AIRGAS, INC	06/28/2024	Regular	0.00	411.66	111066
9150760272	Invoice	06/11/2024	ACCT#2346039- MISC SUPPLIES	0.00	411.66	
402-400-000-53580-3100	SEW SV MN - Office and		ACCT#2346039- MISC SUP		411.66	
VEN01748	ALLEGIANCE COMPRESSOR SERVICE	06/28/2024	Regular	0.00	299.20	111067
2083	Invoice	06/19/2024	BI-ANNUAL SERVICE	0.00	299.20	
503-000-000-54865-4801	EMR - Repairs and Mainte		BI-ANNUAL SERVICE		299.20	
002982	APP	06/28/2024	Regular	0.00	6,777.25	111068
24-115171	Invoice	06/12/2024	ACCT#AP7500158- FUEL	0.00	2,567.99	
503-250-000-58900-0001	EMR - Inventory-Gas		ACCT#AP7500158- FUEL		2,567.99	
24-121253	Invoice	06/19/2024	ACCT#AP7500158- FUEL	0.00	4,209.26	
503-250-000-58900-0001	EMR - Inventory-Gas		ACCT#AP7500158- FUEL		4,209.26	
VEN02338	BHC CONSULTANTS LLC	06/28/2024	Regular	0.00	15,751.96	111069
20504	Invoice	06/19/2024	ANGLESIDE PZ IMPROVEMENTS DESIGN &	0.00	15,751.96	
411-000-000-59434-4101	WAT CAP - Exp-Prof Svcs-	23-UPPERANGLESIDEP	ANGLESIDE PZ IMPROVEM		15,751.96	
VEN02340	BLT SHELTON PONY, LLC	06/28/2024	Regular	0.00	5,467.86	111070
523856	Invoice	06/18/2024	UNIT 91/WHEEL COVER	0.00	110.11	
001-118-000-52122-3110	PD PAT - Office & Operati		UNIT 91/WHEEL COVER		110.11	
523899	Invoice	06/20/2024	NEW POLICE CAR/WHEEL COVERS	0.00	440.42	
302-000-000-59421-6000	CAP IMP - Police Capital P	24-NEWEQUIP-POLICE	NEW POLICE CAR/WHEEL		440.42	
651988	Invoice	05/06/2024	65851D/ENGINE COOLING SYSTEM LABO	0.00	4,227.11	
001-118-000-52122-4805	PD PAT - Repairs and Mai		65851D/ENGINE COOLING		4,227.11	
653159	Invoice	06/17/2024	VIN0376/BRAKE PADS/MAINTENANCE	0.00	690.22	
001-118-000-52122-4805	PD PAT - Repairs and Mai		VIN0376/BRAKE PADS/MAI		690.22	
098000	BUILDERS FIRSTSOURCE	06/28/2024	Regular	0.00	85.89	111071

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Packet: APPKT03180-JUNE 28,2024 AP PAYMENTS

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>89232870</u>	Invoice	06/20/2024	ACCT#671668- C-CLAMPS, SCREWDRIVER	0.00	85.89	
<u>402-400-000-53580-3100</u>	SEW SV MN - Office and		ACCT#671668- C-CLAMPS,		85.89	
VEN01214	CINTAS CORPORATION	06/28/2024	Regular	0.00	157.64	111072
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>5217241168</u>	Invoice	06/21/2024	CUST#10690213- FIRST AID SERVICE	0.00	157.64	
<u>001-118-000-52122-3100</u>	PD PAT - Office and Opera		CUST#10690213- FIRST AI		157.64	
VEN01281	CITY OF SHELTON - UTILITY BILLS/PE	06/28/2024	Regular	0.00	19,604.65	111073

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Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
JUNE 2024/CITY	Invoice	06/21/2024	JUNE 2024/CITY BILL	0.00	19,604.65	
001-119-000-52250-4700	FIRE FACIL - Utility Service		JUNE 2024/CITY BILL		294.66	
001-140-000-55430-4700	CD AN CTRL - Utility Servi		JUNE 2024/CITY BILL		303.81	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		90.56	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		530.63	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		390.28	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		102.67	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		84.70	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		13.32	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		166.21	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		3,050.04	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		345.76	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		1,726.35	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		18.65	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		563.38	
001-141-000-57680-4700	PARKS - Utility Services		JUNE 2024/CITY BILL		18.05	
001-142-000-51890-4715	FACIL CIVIC - Utility Servic		JUNE 2024/CITY BILL		169.88	
001-142-000-51890-4715	FACIL CIVIC - Utility Servic		JUNE 2024/CITY BILL		748.54	
001-142-000-51890-4715	FACIL CIVIC - Utility Servic		JUNE 2024/CITY BILL		1,152.87	
001-142-000-51890-4715	FACIL CIVIC - Utility Servic		JUNE 2024/CITY BILL		151.78	
001-142-000-51890-4715	FACIL CIVIC - Utility Servic		JUNE 2024/CITY BILL		55.37	
001-142-000-57250-4700	FACIL LIB - Utility Services		JUNE 2024/CITY BILL		1,335.65	
001-142-000-57530-4700	FACIL MUSM - Utility Serv		JUNE 2024/CITY BILL		210.27	
101-000-000-54265-4700	ST PRK FAC - Utility Servic		JUNE 2024/CITY BILL		159.50	
101-000-000-54270-4700	ST RD PRK - Utility Service		JUNE 2024/CITY BILL		166.46	
101-000-000-54270-4700	ST RD PRK - Utility Service		JUNE 2024/CITY BILL		84.70	
401-000-000-53480-4700	WAT - Utility Services		JUNE 2024/CITY BILL		23.56	
401-000-000-53480-4700	WAT - Utility Services		JUNE 2024/CITY BILL		19.16	
401-000-000-53480-4700	WAT - Utility Services		JUNE 2024/CITY BILL		43.96	
401-000-000-53480-4700	WAT - Utility Services		JUNE 2024/CITY BILL		18.01	
401-000-000-53480-4700	WAT - Utility Services		JUNE 2024/CITY BILL		51.37	
401-000-000-53480-4700	WAT - Utility Services		JUNE 2024/CITY BILL		18.21	
401-000-000-53480-4701	WAT - Utility Services - Sh		JUNE 2024/CITY BILL		119.06	
401-000-000-53480-4701	WAT - Utility Services - Sh		JUNE 2024/CITY BILL		121.49	
401-000-000-53480-4701	WAT - Utility Services - Sh		JUNE 2024/CITY BILL		639.15	
401-000-000-53480-4701	WAT - Utility Services - Sh		JUNE 2024/CITY BILL		104.14	
401-000-000-53480-4701	WAT - Utility Services - Sh		JUNE 2024/CITY BILL		207.23	
402-300-000-53580-4700	SEW CL MN - Utility Servi		JUNE 2024/CITY BILL		17.85	
402-400-000-53580-4700	SEW SV MN - Utility Servi		JUNE 2024/CITY BILL		22.14	
402-400-000-53580-4700	SEW SV MN - Utility Servi		JUNE 2024/CITY BILL		29.59	
402-400-000-53580-4700	SEW SV MN - Utility Servi		JUNE 2024/CITY BILL		74.56	
402-400-000-53580-4700	SEW SV MN - Utility Servi		JUNE 2024/CITY BILL		2,681.63	
402-400-000-53580-4700	SEW SV MN - Utility Servi		JUNE 2024/CITY BILL		29.59	
402-400-000-53580-4700	SEW SV MN - Utility Servi		JUNE 2024/CITY BILL		608.63	
402-500-000-53580-4700	SEW OT MN - Utility Servi		JUNE 2024/CITY BILL		47.20	
402-640-000-53580-4700	SEW SV SAT - Utility Servi		JUNE 2024/CITY BILL		20.64	
402-640-000-53580-4700	SEW SV SAT - Utility Servi		JUNE 2024/CITY BILL		598.23	
402-640-000-53580-4700	SEW SV SAT - Utility Servi		JUNE 2024/CITY BILL		18.01	
402-640-000-53580-4700	SEW SV SAT - Utility Servi		JUNE 2024/CITY BILL		2,102.51	
404-000-000-53180-4700	STRM - Utility Services		JUNE 2024/CITY BILL		54.64	

VENO2290	CLARY LONGVIEW LLC	06/28/2024	Regular	0.00	60,737.60	111074
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
3RU244 U244	Invoice	06/18/2024	CUST PO# 24-NEWEQ-PD3/13	0.00	60,737.60	
302-000-000-59421-6000	CAP IMP - Police Capital P	24-NEWEQUIP-POLICE	CUST PO# 24-NEWEQ-PD3		60,737.60	

009591	DEPT OF LABOR & INDUSTRIES	06/28/2024	Regular	0.00	29.90	111075
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Check Register

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
376154	Invoice	06/12/2024	ID# 40926-14W CERT FEE	0.00	29.90	
<u>001-142-000-57250-4100</u>	FACIL LIB - Professional Se		ID# 40926-14W CERT FEE		29.90	
VEN02425	HUMANE SOCIETY OF MASON COU	06/28/2024	Regular	0.00	220.85	111076
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
2181027	Invoice	06/21/2024	BUBBA HUSKY 24-1971 NEUTER, VACCINE	0.00	220.85	
<u>001-140-000-55430-4100</u>	CD AN CTRL - Professional		BUBBA HUSKY 24-1971 NE		220.85	
VEN02572	LEONOR GAVIOLA	06/28/2024	Regular	0.00	200.00	111077
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
DAMAGEDEPOSIT	Invoice	06/28/2024	DAMAGEDEPOSITREFUNDJUNE2024	0.00	200.00	
<u>657-000-000-386000002</u>	Community Cntr Damage		DAMAGEDEPOSITREFUNDJ		200.00	
VEN01755	MASON COUNTY GARBAGE	06/28/2024	Regular	0.00	1,628.19	111078
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
APRIL/2024	Invoice	06/26/2024	APRIL 2024 DEBIT COLLECTION	0.00	1,628.19	
<u>657-000-000-58940-0000</u>	Mason County Garbage C		APRIL 2024 DEBIT COLLECT		1,628.19	
VEN02312	ODP BUSINESS SOLUTIONS LLC	06/28/2024	Regular	0.00	37.31	111079
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
367368221001	Credit Memo	06/14/2024	ACCT#28972108 INV 369253680001	0.00	-26.10	
<u>001-111-000-51423-3100</u>	FIN AC - Office and Opera		ACCT#28972108 INV 3692		-26.10	
369248868001	Invoice	06/07/2024	ACCT#28972108- MANILA LETTER FILE	0.00	37.31	
<u>001-111-000-51423-3100</u>	FIN AC - Office and Opera		ACCT#28972108- MANILA		37.31	
369253680001	Invoice	06/07/2024	ACCT#28972108- ERASABLE PLANNER	0.00	26.10	
<u>001-111-000-51423-3100</u>	FIN AC - Office and Opera		ACCT#28972108- ERASABL		26.10	
VEN02070	PAPE MACHINERY	06/28/2024	Regular	0.00	113.51	111080
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
15373303	Invoice	06/14/2024	CUST#6128936 IGNITION	0.00	104.51	
<u>401-000-000-53480-3100</u>	WAT - Office and Operati		CUST#6128936 IGNITION		104.51	
15397779	Invoice	06/20/2024	CUST# 6128936- PLUG	0.00	9.00	
<u>401-000-000-53480-3100</u>	WAT - Office and Operati		CUST# 6128936- PLUG		9.00	
159300	POLYDYNE, INC.	06/28/2024	Regular	0.00	12,711.87	111081
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
1840568	Invoice	06/11/2024	CUST#100860 CLARIFLOC	0.00	12,711.87	
<u>402-400-000-53580-3100</u>	SEW SV MN - Office and		CUST#100860 CLARIFLOC		12,711.87	
VEN02362	RADIA INC PS	06/28/2024	Regular	0.00	206.16	111082
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
612725598	Invoice	06/11/2024	612725598	0.00	206.16	
<u>001-123-000-52360-4100</u>	DET & COR - Prof Services		612725598		206.16	
166927	RAINIER LIGHTING & ELECTRICAL	06/28/2024	Regular	0.00	228.48	111083
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
590829-1	Invoice	06/12/2024	ACCT#1001006- LIGHT BULBS	0.00	228.48	
<u>001-119-000-52250-3100</u>	FIRE FACIL - Office and Op		ACCT#1001006- LIGHT BU		114.24	
<u>401-000-000-53480-3100</u>	WAT - Office and Operati		ACCT#1001006- LIGHT BU		114.24	

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Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
VENO2573	REVO2 SOLUTIONS LLC	06/28/2024	Regular	0.00	5,755.52	111084
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
5747	Invoice	06/06/2024	MIXER MOTOR	0.00	5,755.52	
402-400-000-53580-4800	SEW SV MN - Repairs and		MIXER MOTOR		5,755.52	
180900	SETINA MFG. CO., INC.	06/28/2024	Regular	0.00	598.67	111085
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
287867	Invoice	06/20/2024	#WAWSSHE00-UNIT 18/SEAT BELT RETRA	0.00	213.51	
001-118-000-52122-3110	PD PAT - Office & Operati		UNIT 18/CENTER PULL SEA		213.51	
287868	Invoice	06/20/2024	LOCKING RADIO BOX FOR NEW POLICE CA	0.00	385.16	
302-000-000-59421-6000	CAP IMP - Police Capital P	24-NEWEQUIP-POLICE	LOCKING RADIO BOX FOR		385.16	
186242	SHELTON HIGH SCHOOL ASB	06/28/2024	Regular	0.00	1,144.00	111086
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
VOLLEYBALL SKIL	Invoice	06/24/2024	VOLLEYBALL SKILLS CAMP INSTRUCTOR J	0.00	1,144.00	
001-141-000-57120-4100	REC - Professional Service		VOLLEYBALL SKILLS CAMP I		1,144.00	
192800	SOUTHGATE FENCING, INC.	06/28/2024	Regular	0.00	269.56	111087
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
33804	Invoice	05/21/2024	ANIMAL SHELTER/FENCING	0.00	269.56	
001-140-000-55430-3100	CD AN CTRL - Office and		ANIMAL SHELTER/FENCIN		269.56	
VENO2534	SUMMIT TOWING INC	06/28/2024	Regular	0.00	192.15	111088
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
20644	Invoice	06/17/2024	BVP5036 - TOW	0.00	192.15	
001-118-000-52122-3100	PD PAT - Office and Opera		BVP5036 - TOW		192.15	
VENO2006	THOMAS FAMILY ENTERPRISES LLC	06/28/2024	Regular	0.00	566.85	111089
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
0624244592	Invoice	06/24/2024	LNG S/G LCK RAT, 4PC PNCH SET	0.00	566.85	
503-000-000-54865-3100	EMR - Office and Operati		LNG S/G LCK RAT, 4PC PNC		566.85	
201300	TOZIER BROS INC.	06/28/2024	Regular	0.00	211.52	111090
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
469752	Invoice	05/07/2024	CUST#20090- BRASS CAPS	0.00	23.29	
401-000-000-53480-3100	WAT - Office and Operati		CUST#20090- BRASS CAPS		23.29	
470302	Invoice	06/04/2024	CUST#20090- CABLE WHIP	0.00	22.97	
402-400-000-53580-3100	SEW SV MN - Office and		CUST#20090- CABLE WHIP		22.97	
470443	Invoice	06/12/2024	CUST#20090- NIPPLE GLV	0.00	4.22	
402-400-000-53580-3100	SEW SV MN - Office and		CUST#20090- NIPPLE GLV		4.22	
470459	Invoice	06/13/2024	CUST#20090 POCKET HOSE	0.00	93.55	
001-142-000-51890-3115	FACIL CIVIC - Office and O		CUST#20090 POCKET HOS		93.55	
470460	Invoice	06/13/2024	CUST#20090- NUTS AND BOLTS	0.00	6.09	
402-400-000-53580-3100	SEW SV MN - Office and		CUST#20090- NUTS AND B		6.09	
470477	Invoice	06/13/2024	CUST#20090- TAP CARDED, TAP PIPE	0.00	24.68	
402-400-000-53580-3100	SEW SV MN - Office and		CUST#20090- TAP CARDED		24.68	
470531	Invoice	06/18/2024	CUST#20090 NUTS AND BOLTS	0.00	3.10	
001-140-000-55430-3100	CD AN CTRL - Office and		CUST#20090 NUTS AND B		3.10	
470586	Invoice	06/21/2024	CUST#20090- RSTP SPRY	0.00	6.54	
401-000-000-53480-3100	WAT - Office and Operati		CUST#20090- RSTP SPRY		6.54	
470620	Invoice	06/24/2024	CUST#20090- PVC PIPES	0.00	27.08	

Check Register

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
402-400-000-53580-3100	SEW SV MN - Office and		CUST#20090- PVC PIPES		27.08	
145325	VALVOLINE LLC	06/28/2024	Regular	0.00	98.92	111091
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
321089	Invoice	06/05/2024	ACCT#684808- 59481D/MAINTENANCE	0.00	98.92	
001-118-000-52122-4805	PD PAT - Repairs and Mai		ACCT#684808- 59481D/M		98.92	
VEN02408	VEOLIA WATER TECHNOLOGIES TRE	06/28/2024	Regular	0.00	3,945.30	111092
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
902732888	Invoice	06/13/2024	UV DISINFECTION SYSTEM PARTS	0.00	3,945.30	
402-400-000-53580-4800	SEW SV MN - Repairs and		UV DISINFECTION SYSTEM		3,945.30	
VEN02544	VESTIS GROUP INC	06/28/2024	Regular	0.00	91.21	111093
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
5120482930	Invoice	06/12/2024	ACCT#792105973- COVERALL, MAT, TOW	0.00	48.28	
402-400-000-53580-4900	SEW SV MN - Miscellaneo		ACCT#792105973- COVER		48.28	
5120487129	Invoice	06/19/2024	ACCT#792105972 COVERALLS, TOWEL, M	0.00	42.93	
401-000-000-53480-4901	WAT - Miscellaneous - Sh		ACCT#792105972 COVERA		42.93	
053987	WESTBAY NAPA AUTO PARTS	06/28/2024	Regular	0.00	65.36	111094
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
088602	Invoice	06/19/2024	ACCT#4296 SURFACE CLEANERUnit 977	0.00	44.11	
001-118-000-52122-3110	PD PAT - Office & Operati		ACCT#4296 SURFACE CLEA		44.11	
089208	Invoice	06/24/2024	ACCT#4296 RIGHT STUFF/SHOP STOCK	0.00	21.25	
503-000-000-54865-3100	EMR - Office and Operati		ACCT#4296 RIGHT STUFF/		21.25	

Bank Code APBNK-Main Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	47	29	0.00	137,609.04
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	30	15	0.00	22,668.55
Virtual Payments	0	0	0.00	0.00
	77	44	0.00	160,277.59

Virtual Payments 0 0 0.00 0.00

Fund Summary

Fund	Name	Period	Amount
999	Pooled Cash	6/2024	160,277.59
			<u>160,277.59</u>

VOUCHER APPROVAL

I, the undersigned, do hereby certify under penalty of perjury that the materials have been furnished, the services rendered, or the labor performed as described herein vouchers number 111101 through number 111129 and EFT payment numbers 481 through 497 in the total amount of \$134,224.12 that the claims are just, due and unpaid obligations against the City of Shelton, and that I am authorized to authenticate and certify said claims.

Signed this 3rd of July, 2024.


Finance Director

We, the undersigned members of the City Council of Shelton, Washington, do hereby certify that the vouchers contained herein are approved for payment.

Signed this _____ of _____, 2024.

Mayor Eric Onisko

Deputy Mayor Sharon Schirman

Councilmember George Blush

Councilmember Tom Gilmore

Councilmember Miguel Gutierrez

Councilmember Lyndsey Sapp

Councilmember Melissa Stearns



Shelton, WA

Check Register

Packet: APPKT03185 - JULY 3, 2024 AP PAYMENTS

By Check Number

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: APBNK-Main-APBNK-Main						
003655	BATTERIES PLUS	07/03/2024	EFT	0.00	899.56	481
004914	BRADY TRUCKING	07/03/2024	EFT	0.00	24.00	482
009351	DELAGE LANDEN FINANCIAL SVCS	07/03/2024	EFT	0.00	170.23	483
023078	FASTENAL COMPANY	07/03/2024	EFT	0.00	1,760.21	484
VENO1406	FERGUSON WATERWORKS	07/03/2024	EFT	0.00	6,467.07	485
044700	GUARDIAN SECURITY SYSTEM	07/03/2024	EFT	0.00	62.29	486
VENO2140	HAGGARD & GANSON LLP	07/03/2024	EFT	0.00	3,960.00	487
194000	LEROY T. VALLEY	07/03/2024	EFT	0.00	162.34	488
132235	MOUNTAIN MIST WATER	07/03/2024	EFT	0.00	111.37	489
142952	NORTH CENTRAL LABORATORIES	07/03/2024	EFT	0.00	442.09	490
172008	ROGNLIN'S, INC.	07/03/2024	EFT	0.00	80,022.40	491
183400	SCJ ALLIANCE- SHEA, CARR & JEWEL	07/03/2024	EFT	0.00	3,916.75	492
VENO1578	SUMMIT LAW GROUP	07/03/2024	EFT	0.00	654.50	493
VENO2458	THOMAS GARVEY	07/03/2024	EFT	0.00	1,005.00	494
202392	VERIZON WIRELESS	07/03/2024	EFT	0.00	3,470.37	495
	Void	07/03/2024	EFT	0.00	0.00	496
203900	WESMAR COMPANY, INC	07/03/2024	EFT	0.00	813.25	497
000050	AAA SEPTIC LLC	07/03/2024	Regular	0.00	100.00	111101
001039	AIRGAS, INC	07/03/2024	Regular	0.00	250.22	111102
VENO2297	ALDO WAYKAN	07/03/2024	Regular	0.00	2,100.00	111103
VENO2340	BLT SHELTON PONY, LLC	07/03/2024	Regular	0.00	3,267.35	111104
098000	BUILDERS FIRSTSOURCE	07/03/2024	Regular	0.00	27.81	111105
VENO2063	CARL TANNE	07/03/2024	Regular	0.00	150.00	111106
VENO1281	CITY OF SHELTON - UTILITY BILLS/PE	07/03/2024	Regular	0.00	42.58	111107
008778	CUMMINS NORTHWEST, LLC.	07/03/2024	Regular	0.00	860.85	111108
009595	DEPT. OF LICENSING	07/03/2024	Regular	0.00	18.00	111109
VENO2162	GABE REYNA	07/03/2024	Regular	0.00	175.00	111110
VENO2505	GUNDERSON LAW OFFICE, PLLC	07/03/2024	Regular	0.00	10,000.00	111111
053992	HOOD CANAL COMMUNICATIONS	07/03/2024	Regular	0.00	5,155.77	111112
070966	JOHN HANCOCK LIFE INS CO	07/03/2024	Regular	0.00	1,749.06	111113
114350	MASON GENERAL HOSPITAL	07/03/2024	Regular	0.00	147.00	111114
VENO2312	ODP BUSINESS SOLUTIONS LLC	07/03/2024	Regular	0.00	31.28	111115
VENO2362	RADIA INC PS	07/03/2024	Regular	0.00	237.17	111116
903584	RIGHT SYSTEMS	07/03/2024	Regular	0.00	3,366.47	111117
172077	RODGAR GARRICK	07/03/2024	Regular	0.00	175.00	111118
186242	SHELTON HIGH SCHOOL ASB	07/03/2024	Regular	0.00	708.00	111119
200235	TACOMA SCREW PRODUCTS INC	07/03/2024	Regular	0.00	203.68	111120
188500	THE SHERWIN-WILLIAMS CO.	07/03/2024	Regular	0.00	215.65	111121
201300	TOZIER BROS INC.	07/03/2024	Regular	0.00	168.16	111122
VENO2499	TRANSUNION RISK AND ALTERNATI	07/03/2024	Regular	0.00	130.56	111123
201875	TYLER TECHNOLOGIES	07/03/2024	Regular	0.00	160.00	111124
202340	UTILITIES UNDERGROUND LOCATIO	07/03/2024	Regular	0.00	182.16	111125
VENO2544	VESTIS GROUP INC	07/03/2024	Regular	0.00	42.93	111126
203780	WATER MGMNT LABORATORIES INC	07/03/2024	Regular	0.00	482.00	111127
053987	WESTBAY NAPA AUTO PARTS	07/03/2024	Regular	0.00	102.91	111128

Check Register

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
VEN02576	WILL GANO	07/03/2024	Regular	0.00	33.08	111129

Bank Code APBNK-Main Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	39	29	0.00	30,282.69
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	26	17	0.00	103,941.43
Virtual Payments	0	0	0.00	0.00
	65	46	0.00	134,224.12

Virtual Payments 0 0 0.00 0.00

Fund Summary

Fund	Name	Period	Amount
999	Pooled Cash	7/2024	134,224.12
			<u>134,224.12</u>



Shelton, WA

Check Register

Packet: APPKT03185 - JULY 3, 2024 AP PAYMENTS

By Check Number

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
003655	BATTERIES PLUS	07/03/2024	EFT	0.00	899.56	481
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
P73903559	Invoice	06/25/2024	BATTERIES 6V 12AH LEAD	0.00	899.56	
402-400-000-53580-3100	SEW SV MN - Office and		BATTERIES 6V 12AH LEAD		899.56	
004914	BRADY TRUCKING	07/03/2024	EFT	0.00	24.00	482
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
20405	Invoice	06/05/2024	YARD DEBRIS	0.00	24.00	
101-000-000-54230-3100	ST RD WAY - Office and O		YARD DEBRIS		24.00	
009351	DELAGE LANDEN FINANCIAL SVCS	07/03/2024	EFT	0.00	170.23	483
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
82783847	Invoice	06/22/2024	CONTRACT#500-50493254	0.00	170.23	
401-250-000-59134-7001	WAT DEBT - Long Term Le		CONTRACT#500-50493254		170.23	
023078	FASTENAL COMPANY	07/03/2024	EFT	0.00	1,760.21	484
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
WATUM225321	Invoice	06/28/2024	CUST#WATUM1962- MISC SUPPLIES	0.00	523.32	
402-400-000-53580-3100	SEW SV MN - Office and		CUST#WATUM1962- MISC		523.32	
WATUM225440	Invoice	06/24/2024	CUST#WATUM1961- MISC SUPPLIES	0.00	243.43	
401-000-000-53480-3100	WAT - Office and Operati		CUST#WATUM1961- MISC		243.43	
WATUM225463	Invoice	06/24/2024	CUST#WATUM1869 CAUTN BLU MARKIN	0.00	47.20	
401-000-000-53480-3100	WAT - Office and Operati		CUST#WATUM1869 CAUT		47.20	
WATUM225528	Invoice	06/26/2024	CUST#WATUM1962- MISC SUPPLIES	0.00	804.67	
402-400-000-53580-1001	SEW SV MN - Regular Pay		CUST#WATUM1962- MISC		804.67	
WATUM225552	Invoice	06/27/2024	CUST#WATUM1869- CAUTN BLU MARKIN	0.00	141.59	
401-000-000-53480-3100	WAT - Office and Operati		CUST#WATUM1869- CAUT		141.59	
VEN01406	FERGUSON WATERWORKS	07/03/2024	EFT	0.00	6,467.07	485
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
0038251-1	Invoice	06/27/2024	CUST#2543 BRASS COUPLINGS	0.00	466.75	
401-000-000-53480-3100	WAT - Office and Operati		CUST#2543 BRASS COUPLI		466.75	
0045020	Invoice	06/27/2024	CUST#2543 STORM INFRASTRUCT E "I" U	0.00	6,000.32	
404-000-000-53180-3100	STRM - Office and Operati		CUST#2543 STORM INFRA		6,000.32	
044700	GUARDIAN SECURITY SYSTEM	07/03/2024	EFT	0.00	62.29	486
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
1506494	Invoice	07/01/2024	CUST#313901 FIRE SYSTEM SHELTON LIBR	0.00	62.29	
001-142-000-57250-4100	FACIL LIB - Professional Se		CUST#313901 FIRE SYSTE		62.29	
VEN02140	HAGGARD & GANSON LLP	07/03/2024	EFT	0.00	3,960.00	487
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
541	Invoice	07/01/2024	SHELT.001E GENERAL COUNSEL/LEGAL	0.00	3,960.00	
001-122-000-51541-4100	LEGAL - Professional Servi		SHELT.001E GENERAL COU		3,960.00	

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Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
194000	LEROY T. VALLEY	07/03/2024	EFT	0.00	162.34	488
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>98032</u>	Invoice	06/26/2024	REPAIR/19960D	0.00	162.34	
<u>503-000-000-54865-3104</u>		EMR - Oper Supp-Parts-E		REPAIR/19960D	162.34	
132235	MOUNTAIN MIST WATER	07/03/2024	EFT	0.00	111.37	489
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>006032428</u>	Invoice	06/03/2024	ACCT#050147 WWTP	0.00	37.69	
<u>402-400-000-53580-3100</u>		SEW SV MN - Office and		ACCT#050147 WWTP	28.99	
<u>402-400-000-53580-4500</u>		SEW SV MN - Operating R		ACCT#050147 WWTP	8.70	
<u>006053190</u>	Invoice	06/17/2024	ACCT#050147 WWTP	0.00	28.98	
<u>402-400-000-53580-3100</u>		SEW SV MN - Office and		ACCT#050147 WWTP	28.98	
<u>006053194</u>	Invoice	06/17/2024	ACCT#088436 ADMIN	0.00	27.35	
<u>001-130-000-51810-3100</u>		HR - Office and Operating		ACCT#088436 ADMIN	27.35	
<u>006053204</u>	Invoice	06/17/2024	ACCT#088436 ANIMAL CONTROL	0.00	13.75	
<u>001-140-000-55430-3100</u>		CD AN CTRL - Office and		ACCT#088436 ANIMAL CO	13.75	
<u>006076680</u>	Invoice	06/27/2024	ACCT#050147 WWTP LATE FEE	0.00	3.60	
<u>402-400-000-53580-3100</u>		SEW SV MN - Office and		ACCT#050147 WWTP LATE	3.60	
142952	NORTH CENTRAL LABORATORIES	07/03/2024	EFT	0.00	442.09	490
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>505381</u>	Invoice	06/20/2024	ACCT#42251- SUPPLIES	0.00	442.09	
<u>402-400-000-53580-3100</u>		SEW SV MN - Office and		ACCT#42251- SUPPLIES	442.09	
172008	ROGNLIN'S, INC.	07/03/2024	EFT	0.00	80,022.40	491
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>PAY ESTIMATE #6</u>	Invoice	07/01/2024	WELL 1 PIPELINE PRESSURIZATION PROJE	0.00	80,022.40	
<u>411-000-000-59434-6300</u>		WAT CAP - Construction	18-WELL1REHAB	WELL 1 PIPELINE PRESSURI	80,022.40	
183400	SCJ ALLIANCE- SHEA, CARR & JEWEL	07/03/2024	EFT	0.00	3,916.75	492
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>76999</u>	Invoice	06/17/2024	2025 COMP PLAN & EIS	0.00	3,916.75	
<u>001-140-000-55870-4100</u>		CD ECON DEV - EDC-Profe		2025 COMP PLAN & EIS	3,916.75	
VEN01578	SUMMIT LAW GROUP	07/03/2024	EFT	0.00	654.50	493
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>153399</u>	Invoice	04/17/2024	CLIENT NO 20161-10 JXL PROFESSIONAL S	0.00	654.50	
<u>001-130-000-51810-4100</u>		HR - Professional Services		CLIENT NO 20161-10 JXL P	654.50	
VEN02458	THOMAS GARVEY	07/03/2024	EFT	0.00	1,005.00	494
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>1031</u>	Invoice	06/09/2024	CONFLICT ATTORNEY JUNE 2024	0.00	1,005.00	
<u>001-122-000-51593-4101</u>		LEGAL - OPD Grant Public		CONFLICT ATTORNEY JUNE	1,005.00	
202392	VERIZON WIRELESS	07/03/2024	EFT	0.00	3,470.37	495

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Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
9967147795	Invoice	06/20/2024	ACCT# 972465947	0.00	3,097.11	
<u>001-115-000-51895-4200</u>	PW ADM - Communicatio		ACCT# 972465947		337.60	
<u>001-118-000-52122-4200</u>	PD PAT - Communication		ACCT# 972465947		1,759.85	
<u>001-130-000-51810-4200</u>	HR - Communication		ACCT# 972465947		42.20	
<u>001-132-000-51888-4200</u>	IT - Communication		ACCT# 972465947		82.21	
<u>001-140-000-55850-4200</u>	CD BLDG - Communicatio		ACCT# 972465947		42.20	
<u>001-140-000-55860-4200</u>	CD PLAN - Communicatio		ACCT# 972465947		40.01	
<u>001-141-000-57680-4200</u>	PARKS - Communication		ACCT# 972465947		42.20	
<u>101-000-000-54264-4200</u>	ST TR CTL - Communicati		ACCT# 972465947		42.20	
<u>401-000-000-53480-4200</u>	WAT - Communication		ACCT# 972465947		253.20	
<u>402-400-000-53580-4200</u>	SEW SV MN - Communica		ACCT# 972465947		253.20	
<u>404-000-000-53180-4200</u>	STRM - Communication		ACCT# 972465947		160.04	
<u>503-000-000-54865-4200</u>	EMR - Communication		ACCT# 972465947		42.20	
9967338183	Invoice	06/23/2024	ACCT#342078219	0.00	373.26	
<u>001-115-000-51895-4200</u>	PW ADM - Communicatio		ACCT#342078219		147.76	
<u>001-140-000-55430-4200</u>	CD AN CTRL - Communica		ACCT#342078219		42.73	
<u>001-140-000-55850-4200</u>	CD BLDG - Communicatio		ACCT#342078219		42.73	
<u>401-000-000-53480-4200</u>	WAT - Communication		ACCT#342078219		70.02	
<u>402-400-000-53580-4200</u>	SEW SV MN - Communica		ACCT#342078219		70.02	
	Void	07/03/2024	EFT	0.00	0.00	496
203900	WESMAR COMPANY, INC	07/03/2024	EFT	0.00	813.25	497
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
323234	Invoice	06/25/2024	CUST#31175 SODIUM HYPOCHLORITE	0.00	813.25	
<u>401-000-000-53480-3104</u>	WAT - Office and Operati		CUST#31175 SODIUM HYP		813.25	
000050	AAA SEPTIC LLC	07/03/2024	Regular	0.00	100.00	111101
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
129524	Invoice	07/01/2024	CUST# 2936 SHELTON SPRINGS COURSE	0.00	100.00	
<u>001-141-000-57680-4500</u>	PARKS - Operating Rental		CUST# 2936 SHELTON SPRI		100.00	
001039	AIRGAS, INC	07/03/2024	Regular	0.00	250.22	111102
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
9150849626	Invoice	06/13/2024	ACCT#2346039 MISC SUPPLIES	0.00	250.22	
<u>402-400-000-53580-3100</u>	SEW SV MN - Office and		ACCT#2346039 MISC SUPP		250.22	
VENO2297	ALDO WAYKAN	07/03/2024	Regular	0.00	2,100.00	111103
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
INTERPRETATION	Invoice	06/30/2024	INTERPRETATION 8/23-5/24	0.00	2,100.00	
<u>001-112-000-51251-4106</u>	MUNI CT - Interpreter Ex	23-ITC	INTERPRETATION 8/23-5/2		2,100.00	
VENO2340	BLT SHELTON PONY, LLC	07/03/2024	Regular	0.00	3,267.35	111104
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
653211	Invoice	06/24/2024	VIN 3775/ENGINE COOLING SYSTEM REPA	0.00	3,188.10	
<u>001-118-000-52122-4805</u>	PD PAT - Repairs and Mai		VIN 3775/ENGINE COOLIN		3,188.10	
653307	Invoice	06/24/2024	VIN 3818/MAINTENANCE	0.00	79.25	
<u>001-118-000-52122-4805</u>	PD PAT - Repairs and Mai		VIN 3818/MAINTENANCE		79.25	
098000	BUILDERS FIRSTSOURCE	07/03/2024	Regular	0.00	27.81	111105

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Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
89227837	Invoice	06/19/2024	ACCT#671668 SS FAUCET RISER	0.00	27.81	
001-142-000-51890-3115	FACIL CIVIC - Office and O		ACCT#671668 SS FAUCET R		27.81	
VEN02063	CARL TANNE	07/03/2024	Regular	0.00	150.00	111106
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
0625-2024-SHELT	Invoice	06/28/2024	INTERPRETATIONJUNE2024	0.00	150.00	
001-112-000-51251-4106	MUNI CT - Interpreter Ex		INTERPRETATIONJUNE202		150.00	
VEN01281	CITY OF SHELTON - UTILITY BILLS/PE	07/03/2024	Regular	0.00	42.58	111107
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
CITY BILL/JUNE 2	Invoice	06/27/2024	CITY BILL/JUNE 2024	0.00	42.58	
101-000-000-54270-4700	ST RD PRK - Utility Service		CITY BILL/JUNE 2024		42.58	
008778	CUMMINS NORTHWEST, LLC.	07/03/2024	Regular	0.00	860.85	111108
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
01-21963	Invoice	06/23/2024	CUST#267561 YEARLY INSPECTION DEISEL	0.00	860.85	
001-142-000-51890-4115	FACIL CIVIC - Professional		CUST#267561 YEARLY INSP		860.85	
009595	DEPT. OF LICENSING	07/03/2024	Regular	0.00	18.00	111109
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
SHP240030	Invoice	06/26/2024	SHP240030	0.00	18.00	
657-000-000-58600-0001	State Bldg Code Fee		SHP240030		18.00	
VEN02162	GABE REYNA	07/03/2024	Regular	0.00	175.00	111110
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
CDLREIMBURSE	Invoice	06/27/2024	CDLREIMBURSEMENTJULY2024	0.00	175.00	
401-000-000-53480-3100	WAT - Office and Operati		CDLREIMBURSEMENTJULY		175.00	
VEN02505	GUNDERSON LAW OFFICE, PLLC	07/03/2024	Regular	0.00	10,000.00	111111
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
1389	Invoice	07/01/2024	PROSECUTION SERVICES JUNE 2024	0.00	10,000.00	
001-122-000-51545-4101	LEGAL - Prof Serv - Prosec		PROSECUTION SERVICES J		10,000.00	
053992	HOOD CANAL COMMUNICATIONS	07/03/2024	Regular	0.00	5,155.77	111112
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
10950178	Invoice	07/01/2024	ACCT#00017664-7	0.00	4,088.30	
001-132-000-51888-4200	IT - Communication		ACCT#00017664-7		252.80	
001-132-000-51888-4801	IT - Repairs and Maintena		ACCT#00017664-7		405.50	
401-000-000-53480-4201	WAT - Communication - S		ACCT#00017664-7		1,575.00	
402-400-000-53580-4200	SEW SV MN - Communica		ACCT#00017664-7		1,855.00	
10952780	Invoice	07/01/2024	ACCT# 00003840-2	0.00	1,067.47	
001-119-000-52250-4200	FIRE FACIL - Communicati		ACCT# 00003840-2		101.28	
001-120-000-51310-4200	C MGR - Communication		ACCT# 00003840-2		0.12	
001-130-000-51810-4200	HR - Communication		ACCT# 00003840-2		40.65	
001-140-000-55430-4200	CD AN CTRL - Communica		ACCT# 00003840-2		32.17	
001-142-000-51890-4215	FACIL CIVIC - Communica		ACCT# 00003840-2		791.73	
401-000-000-53480-4201	WAT - Communication - S		ACCT# 00003840-2		101.40	
402-400-000-53580-4200	SEW SV MN - Communica		ACCT# 00003840-2		0.12	
070966	JOHN HANCOCK LIFE INS CO	07/03/2024	Regular	0.00	1,749.06	111113

Check Register

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
4005249919	Invoice	07/01/2024	GROUP #03080	0.00	1,749.06	
<u>502-000-000-51725-2032</u>	PR BEN - Ins-LongTrmCar		GROUP #03080		362.93	
<u>611-000-000-51725-2032</u>	FF PEN - Ins-LongTrmCare		GROUP #03080		1,386.13	
114350	MASON GENERAL HOSPITAL	07/03/2024	Regular	0.00	147.00	111114
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>4003912887</u>	Invoice	06/08/2024	ROUTINE VENIPUNCTURE	0.00	49.00	
<u>001-123-000-52360-4100</u>	DET & COR - Prof Services		ROUTINE VENIPUNCTURE		49.00	
<u>4003917462</u>	Invoice	06/09/2024	ROUTINE VENIPUNCTURE	0.00	49.00	
<u>001-123-000-52360-4100</u>	DET & COR - Prof Services		ROUTINE VENIPUNCTURE		49.00	
<u>4003926408</u>	Invoice	06/17/2024	ROUTINE VENIPUNCTURE	0.00	49.00	
<u>001-123-000-52360-4100</u>	DET & COR - Prof Services		ROUTINE VENIPUNCTURE		49.00	
VEN02312	ODP BUSINESS SOLUTIONS LLC	07/03/2024	Regular	0.00	31.28	111115
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>367279019001</u>	Invoice	06/03/2024	ACCT#28972108 PENCILS	0.00	18.25	
<u>001-115-000-51895-3100</u>	PW ADM - Office and Ope		ACCT#28972108 PENCILS		18.25	
<u>367283318001</u>	Invoice	06/04/2024	ACCT# 28972108 STAPLE REMOVER	0.00	13.03	
<u>001-115-000-51895-3100</u>	PW ADM - Office and Ope		ACCT# 28972108 STAPLE R		13.03	
VEN02362	RADIA INC PS	07/03/2024	Regular	0.00	237.17	111116
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>ZC6BYEZ JUNE 20</u>	Invoice	06/07/2024	ZC6BYEZ JUNE 2024	0.00	237.17	
<u>001-123-000-52360-4100</u>	DET & COR - Prof Services		ZC6BYEZ JUNE 2024		237.17	
903584	RIGHT SYSTEMS	07/03/2024	Regular	0.00	3,366.47	111117
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>SI-187113</u>	Invoice	06/19/2024	CUST#COS006 MSFT MONTHLY BILLING	0.00	3,366.47	
<u>001-132-000-51888-4100</u>	IT - Data Processing-Prof		CUST#COS006 MSFT MON		3,366.47	
172077	RODGAR GARRICK	07/03/2024	Regular	0.00	175.00	111118
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>CDLREIMBURSE</u>	Invoice	06/28/2024	CDLREIMBURSEMENTJULY2024	0.00	175.00	
<u>401-000-000-53480-3100</u>	WAT - Office and Operati		CDLREIMBURSEMENTJULY		175.00	
186242	SHELTON HIGH SCHOOL ASB	07/03/2024	Regular	0.00	708.00	111119
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>SOCCER CAMP JU</u>	Invoice	07/01/2024	SOCCER CAMP JULY 2024	0.00	708.00	
<u>001-141-000-57120-4100</u>	REC - Professional Service		SOCCER CAMP JULY 2024		708.00	
200235	TACOMA SCREW PRODUCTS INC	07/03/2024	Regular	0.00	203.68	111120
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>170109867-00</u>	Invoice	06/18/2024	CUST#103300 MISC SUPPLIES	0.00	203.68	
<u>402-400-000-53580-3100</u>	SEW SV MN - Office and		CUST#103300 MISC SUPP		203.68	
188500	THE SHERWIN-WILLIAMS CO.	07/03/2024	Regular	0.00	215.65	111121
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>0018-8</u>	Invoice	06/20/2024	ACCT#2312-7948-0 PAINT	0.00	215.65	
<u>101-000-000-54230-3100</u>	ST RD WAY - Office and O		ACCT#2312-7948-0 PAINT		215.65	

Check Register

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
201300	TOZIER BROS INC.	07/03/2024	Regular	0.00	168.16	111122
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>470635</u>	Invoice	06/25/2024	CUST#20090-PROPANE TANK	0.00	51.78	
<u>503-000-000-54865-3200</u>		EMR - Gas & Oil Fleet		CUST#20090-PROPANE TA	51.78	
<u>470648</u>	Invoice	06/26/2024	CUST#20090 U BOLT	0.00	34.77	
<u>101-000-000-54264-3100</u>		ST TR CTL - Office and Op		CUST#20090 U BOLT	34.77	
<u>470656</u>	Invoice	06/26/2024	CUST#20090 HEAT SHRINK TUBE, PRIMAR	0.00	21.53	
<u>101-000-000-54264-3100</u>		ST TR CTL - Office and Op		CUST#20090 HEAT SHRINK	21.53	
<u>470736</u>	Invoice	07/01/2024	CUST#20090 LEVEL, STEP DRILL BITS	0.00	60.08	
<u>402-400-000-53580-3100</u>		SEW SV MN - Office and		CUST#20090 LEVEL, STEP	60.08	
VEN02499	TRANSUNION RISK AND ALTERNATI	07/03/2024	Regular	0.00	130.56	111123
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>6563122-202406-</u>	Invoice	07/01/2024	ACCT# 6563122 JUNE 2024	0.00	130.56	
<u>001-118-000-52122-4100</u>		PD PAT - Professional Serv		ACCT# 6563122 JUNE 202	130.56	
201875	TYLER TECHNOLOGIES	07/03/2024	Regular	0.00	160.00	111124
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>025-469887</u>	Invoice	07/01/2024	CUST#48155 UTILITY BILLING ONLINE MO	0.00	160.00	
<u>001-111-000-51421-4100</u>		FIN UB - Professional Serv		CUST#48155 UTILITY BILLI	160.00	
202340	UTILITIES UNDERGROUND LOCATIO	07/03/2024	Regular	0.00	182.16	111125
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>4060227</u>	Invoice	06/30/2024	ACCT#100100 EXCAVATION NOTIFICATION	0.00	182.16	
<u>401-000-000-53480-4100</u>		WAT - Professional Serv		ACCT#100100 EXCAVATIO	60.71	
<u>402-400-000-53580-4100</u>		SEW SV MN - Professional		ACCT#100100 EXCAVATIO	60.71	
<u>404-000-000-53180-4105</u>		STRM - Professional Servi		ACCT#100100 EXCAVATIO	60.74	
VEN02544	VESTIS GROUP INC	07/03/2024	Regular	0.00	42.93	111126
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>5120491299</u>	Invoice	06/26/2024	ACCT#792105972 COVERALL, MAT, TOWE	0.00	42.93	
<u>401-000-000-53480-4901</u>		WAT - Miscellaneous - Sh		ACCT#792105972 COVERA	42.93	
203780	WATER MGMNT LABORATORIES INC	07/03/2024	Regular	0.00	482.00	111127
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>221059</u>	Invoice	06/25/2024	ACCT# AS201R TESTS	0.00	482.00	
<u>402-400-000-53580-4100</u>		SEW SV MN - Professional		ACCT# AS201R TESTS	482.00	
053987	WESTBAY NAPA AUTO PARTS	07/03/2024	Regular	0.00	102.91	111128
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number		Account Name	Project Account Key	Item Description	Dist Amount	
<u>089611</u>	Invoice	06/27/2024	ACCT#4296 ELECTRONIC FLASHERS	0.00	40.93	
<u>503-000-000-54865-3102</u>		EMR - Oper Supplies-Part		ACCT#4296 ELECTRONIC F	40.93	
<u>089615</u>	Invoice	06/27/2024	ACCT#4296 MISC PARTS/UNIT 44	0.00	54.18	
<u>302-000-000-59421-6000</u>		CAP IMP - Police Capital P	24-NEWEQUIP-POLICE	ACCT#4296 MISC PARTS/U	54.18	
<u>089626</u>	Invoice	06/27/2024	CUST#4296 AIR FRESHENER	0.00	7.80	
<u>402-400-000-53580-3100</u>		SEW SV MN - Office and		CUST#4296 AIR FRESHENE	7.80	
VEN02576	WILL GANO	07/03/2024	Regular	0.00	33.08	111129

Check Register

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Payable #	Payable Type	Payable Date	Payable Description	Discount Amount	Payable Amount	
Account Number	Account Name	Project Account Key	Item Description	Dist Amount		
<u>REIMBURSEMEN</u>	Invoice	06/03/2024	REIMBURSEMENTJUNE2024	0.00	33.08	
<u>001-140-000-52460-3100</u>	CD CODE - Office and Ope		REIMBURSEMENTJUNE202		33.08	

Bank Code APBNK-Main Summary

Payment Type	Payable Count	Payment Count	Discount	Payment
Regular Checks	39	29	0.00	30,282.69
Manual Checks	0	0	0.00	0.00
Voided Checks	0	0	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	26	17	0.00	103,941.43
Virtual Payments	0	0	0.00	0.00
	65	46	0.00	134,224.12

Virtual Payments	0	0	0.00	0.00
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Fund Summary

Fund	Name	Period	Amount
999	Pooled Cash	7/2024	134,224.12
			<u>134,224.12</u>

May 2024 Monthly Financial Report

City of Shelton, Washington

General Fund Overview

	2024 Budget	2024 thru May	2024 Est Actual	Variance Favorable (Unfavorable)	% Variance Favorable (Unfavorable)
Revenues	15,437,793	7,082,241	15,760,569	322,776	2.1%
Expenditures	15,565,271	6,010,767	15,397,356	167,915	1.1%
Net Revenues Less Expenditures	(127,478)	1,071,474	363,213	490,691	
Beginning Fund Balance	5,376,171		5,376,171		
Ending Fund Balance	5,248,693		5,739,384		
	33.7%		36.9%		
Ending Fund Balance Breakdown:					
Reserved - 20% of Budget	3,113,054		3,113,054		
Unreserved Fund Balance	2,135,639		2,626,330		
Total Fund Balance	5,248,693		5,739,384		

Summary

2024 estimated actuals are based on historical data, YTD activity, known adjustments and are not year-end actuals. 2022 and 2023 amounts included in this report are unaudited.

Analysis through May shows an overall Positive budget variance of \$491 thousand.

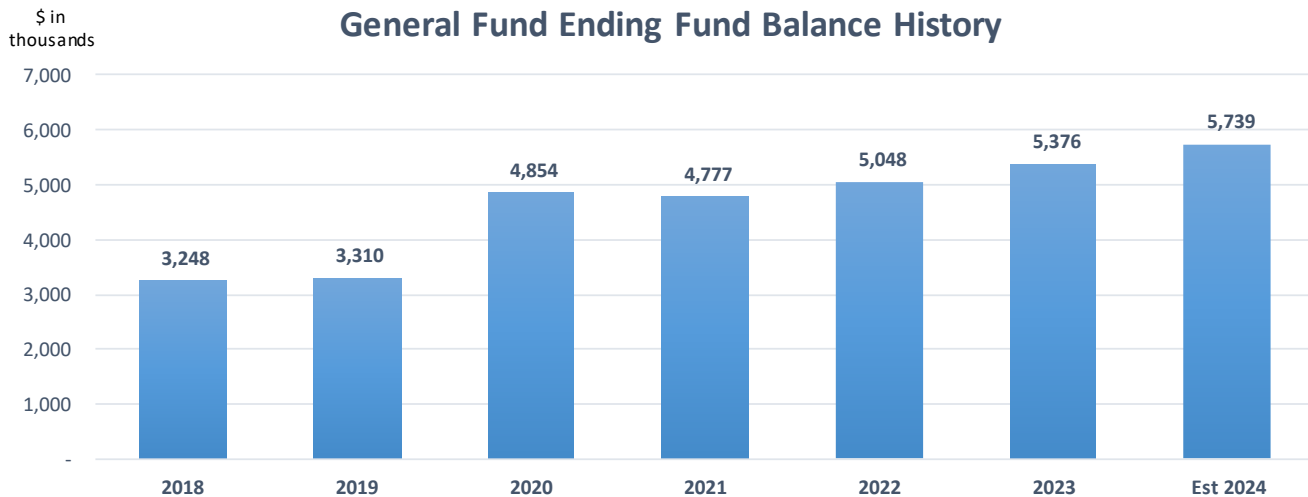
General Fund Reserves are estimated to end the year at \$5.7 million, or 36.9% of 2024 budgeted expenditures.

Revenue Overview

Revenues are currently estimated to end the year approximately \$323 thousand, or 2.1% more than budgeted.

Expenditure Overview

Expenditures are currently estimated to end the year approximately \$168 thousand, or 1.1% less than budgeted.



May 2024 Monthly Financial Report City of Shelton, Washington

General Fund Overview - Revenues

Revenue Categories	2024 Budget	2024 thru May	2024 Est Actual*	Variance Favorable (Unfavorable)	% Variance Favorable (Unfavorable)
Taxes:					
Property	2,997,899	1,556,030	2,997,899	-	0.0%
Sales & Use	3,525,360	1,493,080	3,537,400	12,040	0.3%
City Utility	1,448,082	663,490	1,521,078	72,996	5.0%
Non-City Utility	1,341,400	633,092	1,339,177	(2,223)	-0.2%
Business & Occupation	1,308,110	541,960	1,290,000	(18,110)	-1.4%
Other	53,930	32,604	60,000	6,070	11.3%
Licenses & Permits	295,050	117,835	277,773	(17,277)	-5.9%
Intergovernmental Revenue	669,070	380,373	741,197	72,127	10.8%
Charges for Goods/Services	3,527,342	1,395,093	3,585,828	58,486	1.7%
Fines and Penalties	92,550	34,077	56,478	(36,072)	-39.0%
Miscellaneous Revenue	132,000	234,609	306,738	174,738	132.4%
Transfers In	47,000	-	47,000	-	0.0%
Total Revenues	15,437,793	7,082,241	15,760,569	322,776	2.1%

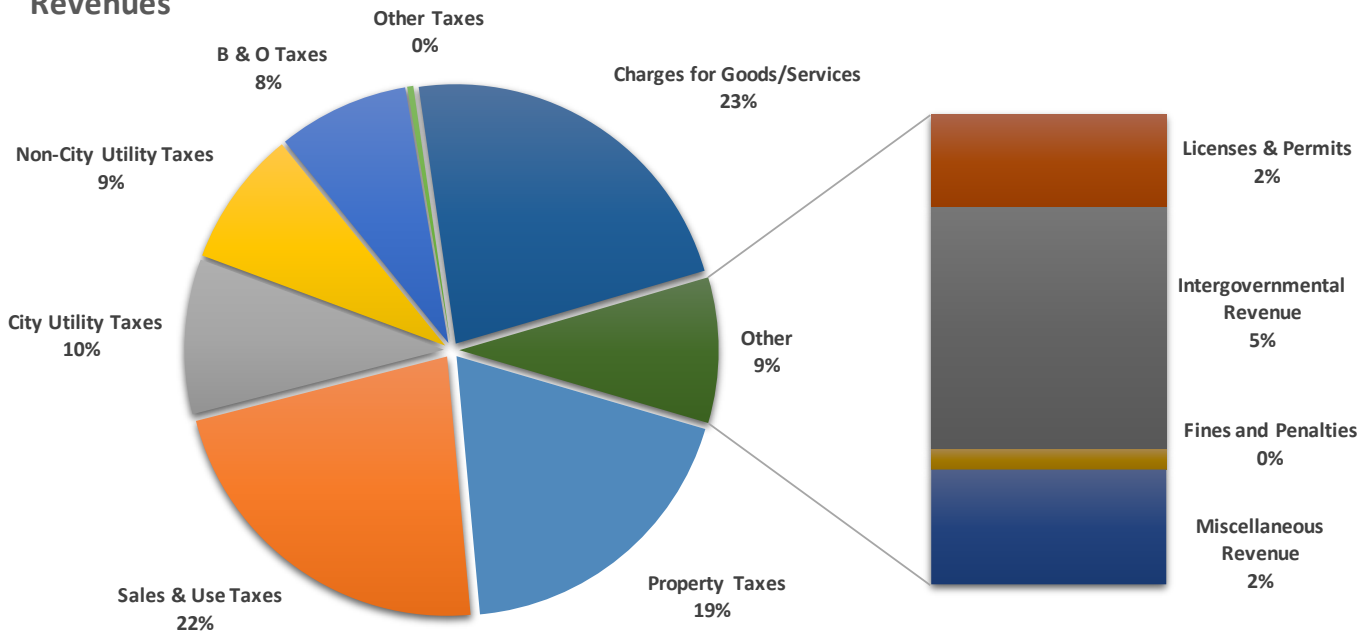
*2024 estimated actuals are based on historical data, YTD activity, known adjustments and are not year-end actuals.

Variance analysis for revenues is provided for particular line items or those in which the estimated actual amount differs from the budgeted amount by at least 10% and \$75,000.

Variance Notes

Miscellaneous: Over budget due to abatement lein of \$36k and opioid settlement of \$58k.

2024 Estimated General Fund Revenues



May 2024 Monthly Financial Report

City of Shelton, Washington

General Fund Overview - Expenditures

Department	2024 Budget	2024 thru May	2024 Est Actual*	Variance Favorable (Unfavorable)	% Variance Favorable (Unfavorable)
City Clerk	261,013	91,230	249,771	11,242	4.3%
City Council	75,963	32,374	75,396	567	0.7%
City Manager					
City Manager	450,094	195,892	455,081	(4,987)	-1.1%
Legal	375,170	141,032	370,180	4,990	1.3%
Detentions/Corrections-Contract	504,390	66,005	479,000	25,390	5.0%
Human Resources	161,119	57,143	164,283	(3,164)	-2.0%
Risk Management	124,367	97,836	142,652	(18,285)	-14.7%
Community & Economic Development					
Animal Control	174,435	102,068	247,726	(73,291)	-42.0%
Code Enforcement	157,780	81,983	195,767	(37,987)	-24.1%
Community Development	757,066	260,315	760,777	(3,711)	-0.5%
Parks & Facilities					
Civic Center Activities	59,588	22,084	58,307	1,281	2.1%
Facility Services	747,243	287,758	758,728	(11,485)	-1.5%
Parks & Recreation	666,958	254,820	667,253	(295)	0.0%
Finance					
Finance	1,421,224	570,349	1,402,933	18,291	1.3%
Information Technology	418,643	159,404	396,493	22,150	5.3%
Fire & Emergency Services	2,583,353	1,054,349	2,555,373	27,980	1.1%
Municipal Court	730,375	333,686	745,830	(15,455)	-2.1%
Non-Departmental	826,530	135,111	750,529	76,001	9.2%
Police	4,127,310	1,783,635	4,065,409	61,901	1.5%
Public Works	942,650	283,695	855,867	86,783	9.2%
Total Expenditures	15,565,271	6,010,767	15,397,356	167,915	1.1%

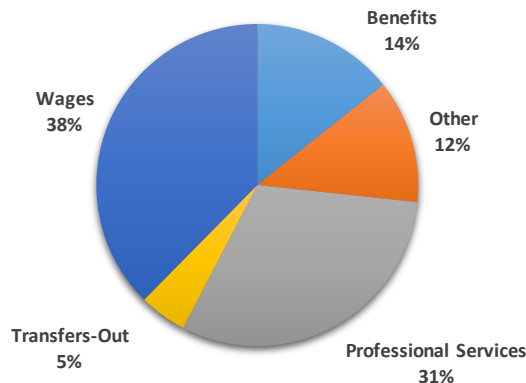
*2024 estimated actuals are based on historical data, YTD activity, known adjustments and are not year-end actuals.

Variance analysis for expenditures is provided for particular departments which have an estimated actual amount that differs from the budgeted amount by at least 10% and \$75,000.

Variance Notes

None

2024 Estimated General Fund Expenditures



May 2024 Monthly Financial Report

City of Shelton, Washington

General Fund Year-to-Year

	2022 Actual	2023 Actual	2024 Budget	2024 thru May	2024 Est Actual
Beginning Fund Balance	4,777,607	5,047,799	5,376,171	5,376,171	5,376,171
Revenues					
Taxes:					
Property	2,546,998	2,788,309	2,997,899	1,556,030	2,997,899
Sales & Use	3,436,648	3,595,781	3,525,360	1,493,080	3,537,400
City Utility	1,474,584	1,528,927	1,448,082	663,490	1,521,078
Non-City Utility	1,205,659	1,290,740	1,341,400	633,092	1,339,177
Business & Occupation	985,461	802,272	1,308,110	541,960	1,290,000
Other	60,421	76,386	53,930	32,604	60,000
Licenses & Permits	306,329	306,906	295,050	117,835	277,773
Intergovernmental Revenue	2,147,469	592,006	669,070	380,373	741,197
Charges for Goods/Services	3,060,577	3,423,381	3,527,342	1,395,093	3,585,828
Fines and Penalties	51,581	49,639	92,550	34,077	56,478
Miscellaneous Revenue	260,291	397,855	132,000	234,609	306,738
Transfers In	128	87,712	47,000	-	47,000
Total Revenues	15,536,147	14,939,914	15,437,793	7,082,241	15,760,569
Expenditures					
City Clerk	238,028	226,373	261,013	91,230	249,771
City Council	77,768	63,480	75,963	32,374	75,396
City Manager					
City Manager	344,279	408,587	450,094	195,892	455,081
Legal	277,979	343,008	375,170	141,032	370,180
Detentions/Corrections-Contract	339,327	203,718	504,390	66,005	479,000
Human Resources	327,848	274,902	161,119	57,143	164,283
Risk Management	136,360	143,699	124,367	97,836	142,652
Community & Economic Development					
Animal Control	83,700	104,441	174,435	102,068	247,726
Code Enforcement	81,285	175,504	157,780	81,983	195,767
Community Development	563,250	707,010	757,066	260,315	760,777
Parks & Facilities					
Civic Center Activities	51,915	56,058	59,588	22,084	58,307
Facility Services	652,720	676,755	747,243	287,758	758,728
Parks & Recreation	575,245	620,303	666,958	254,820	667,253
Finance					
Finance	1,079,083	1,124,192	1,421,224	570,349	1,402,933
Information Technology	374,562	449,597	418,643	159,404	396,493
Fire & Emergency Services	1,690,846	2,491,434	2,583,353	1,054,349	2,555,373
Municipal Court	666,977	744,467	730,375	333,686	745,830
Non-Departmental	3,194,929	1,338,292	826,530	135,111	750,529
Police	3,613,017	3,736,337	4,127,310	1,783,635	4,065,409
Public Works	896,836	723,386	942,650	283,695	855,867
Total Expenditures	15,265,955	14,611,542	15,565,271	6,010,767	15,397,356
Net Revenues less Expenditures	270,192	328,372	(127,478)	1,071,474	363,213
Ending Fund Balance	5,047,799	5,376,171	5,248,693	6,447,645	5,739,384
General Fund Reserves	5,047,799	5,376,171	5,248,693		5,739,384
based on same year actuals/budget	33.1%	36.8%	33.7%		37.3%

May 2024 Monthly Financial Report

City of Shelton, Washington

General Fund Month-to-Month

	2022 thru May	2023 thru May	2024 thru May	2024 - 2023 Variance		% of Budget
Revenues						
Taxes:						
Property	1,386,137	1,508,264	1,556,030	47,766	3.2%	51.9%
Sales & Use	1,367,147	1,428,173	1,493,080	64,908	4.5%	42.4%
City Utility	626,736	615,110	663,490	48,380	7.9%	45.8%
Non-City Utility	596,906	644,938	633,092	(11,847)	-1.8%	47.2%
Business & Occupation	536,293	400,063	541,960	141,896	35.5%	41.4%
Other	24,640	25,380	32,604	7,224	28.5%	60.5%
Licenses & Permits	142,503	137,328	117,835	(19,494)	-14.2%	39.9%
Intergovernmental Revenue	287,197	311,874	380,373	68,499	22.0%	56.9%
Charges for Goods/Services	1,235,285	1,574,869	1,395,093	(179,775)	-11.4%	39.6%
Fines and Penalties	23,787	22,218	34,077	11,858	53.4%	36.8%
Miscellaneous Revenue	99,450	146,130	234,609	88,479	60.5%	177.7%
Transfers In	-	-	-	-		0.0%
Total Revenues	6,326,081	6,814,347	7,082,241	267,894	3.9%	45.9%
Expenditures						
City Clerk	108,850	103,856	91,230	(12,625)	-12.2%	35.0%
City Council	36,609	26,441	32,374	5,933	22.4%	42.6%
City Manager						
City Manager	167,056	198,561	195,892	(2,670)	-1.3%	43.5%
Legal	96,970	119,150	141,032	21,881	18.4%	37.6%
Detentions/Corrections-Contrac	148,095	50,167	66,005	15,838	31.6%	13.1%
Human Resources	154,875	158,173	57,143	(101,031)	-63.9%	35.5%
Risk Management	77,829	92,651	97,836	5,185	5.6%	78.7%
Community & Economic Development						
Animal Control	31,887	33,966	102,068	68,102	200.5%	58.5%
Code Enforcement	34,347	87,733	81,983	(5,751)	-6.6%	52.0%
Community Development	219,466	281,892	260,315	(21,577)	-7.7%	34.4%
Parks & Facilities						
Civic Center Activities	20,669	27,501	22,084	(5,416)	-19.7%	37.1%
Facility Services	256,148	277,643	287,758	10,115	3.6%	38.5%
Parks & Recreation	198,702	261,337	254,820	(6,517)	-2.5%	38.2%
Finance						
Finance	399,976	523,671	570,349	46,678	8.9%	40.1%
Information Technology	118,237	174,523	159,404	(15,119)	-8.7%	38.1%
Fire & Emergency Services	706,587	1,043,252	1,054,349	11,096	1.1%	40.8%
Municipal Court	273,241	341,745	333,686	(8,059)	-2.4%	45.7%
Non-Departmental	55,850	56,129	135,111	78,983	140.7%	16.3%
Police	1,552,221	1,611,045	1,783,635	172,591	10.7%	43.2%
Public Works	370,348	298,281	283,695	(14,586)	-4.9%	30.1%
Total Expenditures	5,027,964	5,767,715	6,010,767	243,052	4.2%	38.6%

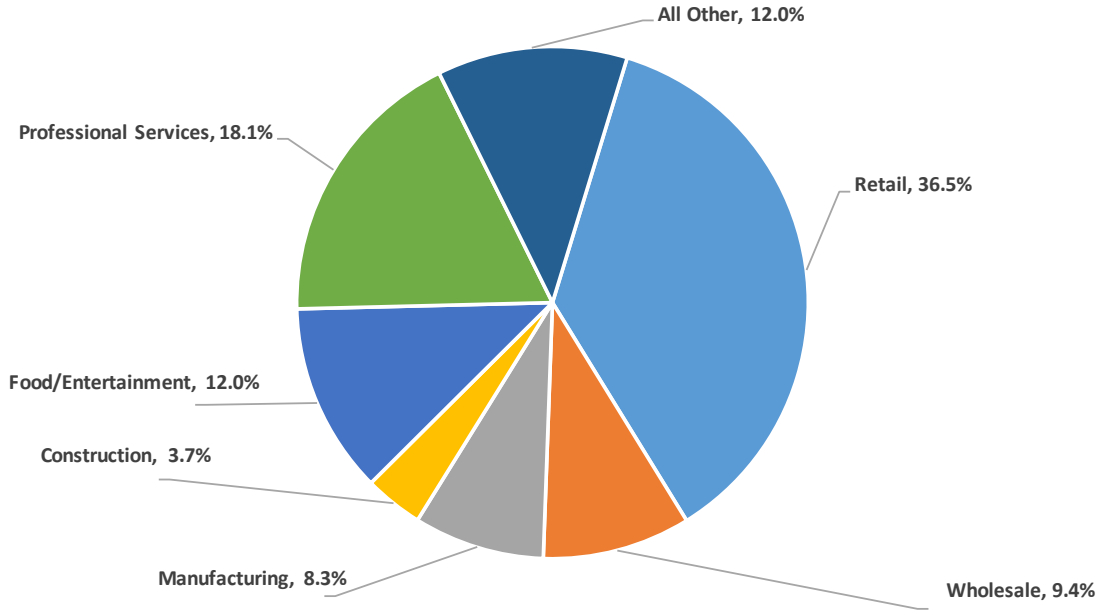
This Month-to-Month presentation does not include variance notes. Common variances are due to timing of receipts and expenditures. Totals reported are year-to-date through May which is 41.7% of the year.

May 2024 Monthly Financial Report

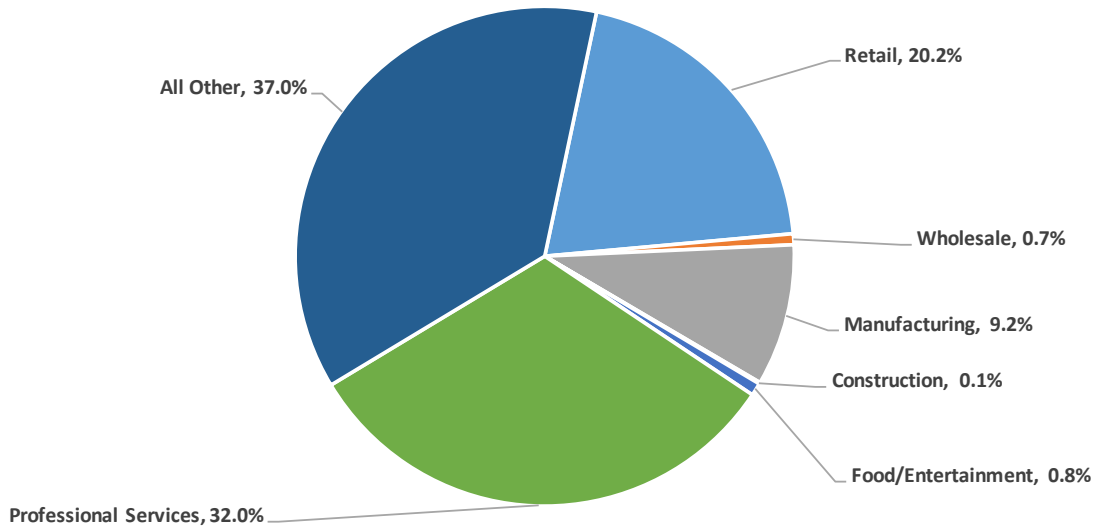
City of Shelton, Washington

Sales Tax Breakdown by Type

2024 thru May



May 2024



May 2024 Monthly Financial Report

City of Shelton, Washington

Fund Balances

Fund	2024					
	Beginning Fund Balance	2024 Estimated Revenue	2024 Estimated Expenditure	2024 Estimated Fund Balance	\$ Change	% Change
City-wide Fund Balances						
General Fund	5,376,171	15,760,569	15,397,356	5,739,384	363,213	6.8%
Street Fund	697,708	1,815,569	1,917,493	595,784	(101,924)	-14.6%
Capital Resource Funds						
Real Estate Excise Tax -1	564,950	109,474	102,570	571,854	6,904	1.2%
Real Estate Excise Tax -2	785,498	114,912	90,000	810,410	24,912	3.2%
Transport Benefit District	1,527,227	24,000	832,000	719,227	(808,000)	-52.9%
Traffic Impact Fees	786,725	51,582	-	838,307	51,582	6.6%
General Resources	1,181,350	28,969	23,000	1,187,319	5,969	0.5%
Tourism Fund	81,739	50,100	97,248	34,591	(47,148)	-57.7%
Bond Fund	7,592	180,100	180,100	7,592	-	0.0%
Capital Improvement Fund	663,979	1,906,135	1,797,500	772,614	108,635	16.4%
Water Fund	2,485,233	3,317,680	4,417,083	1,385,830	(1,099,403)	-44.2%
Water Capital Fund	1,092,787	2,859,010	2,143,160	1,808,637	715,850	65.5%
Sewer Fund	4,439,434	7,027,452	7,942,463	3,524,423	(915,011)	-20.6%
Sewer Capital Fund	662,153	4,205,950	3,710,380	1,157,723	495,570	74.8%
Solid Waste Fund	294,543	130,788	161,959	263,371	(31,172)	-10.6%
Storm Drainage Fund	1,278,325	1,781,572	2,161,193	898,704	(379,621)	-29.7%
Storm Drainage Capital Fund	10,854	395,000	395,000	10,854	-	0.0%
Payroll Benefits Fund	220,708	142,730	106,548	256,891	36,183	16.4%
Equipment Rental Fund	411,211	772,590	583,383	600,418	189,207	46.0%
Firefighters Pension Fund	387,414	16,000	74,128	329,286	(58,128)	-15.0%
Library Endowment Fund	128,936	1,500	24,000	106,436	(22,500)	-17.5%
City-wide Fund Totals	23,084,537	40,691,682	42,156,564	21,619,655	(1,464,882)	-6.3%

City-Wide FTE by Fund

General Fund	2023 Revised	2024 Budget	May 31 Vacancies
City Council	7.00	7.00	-
Municipal Court	4.50	5.03	-
City Clerk*	2.00	1.50	-
City Manager	2.00	2.00	-
Human Resources	2.85	1.00	-
Information Technology	1.15	1.00	-
Finance	7.00	9.50	0.50
Public Works	5.10	4.60	1.00
Police	21.00	21.00	3.00
Community Development	5.85	5.85	1.00
Parks, Rec & Facilities	8.00	7.00	-
Total General Fund	66.45	65.48	5.50

Other City Funds	2023 Revised	2024 Budget	May 31 Vacancies
Street Operating	4.65	4.65	1.00
Water Utility	8.80	8.80	0.40
Sewer Utility	11.70	11.70	1.20
Storm Drainage Utility	7.60	7.60	0.30
Equip. Maint. & Rental	1.30	1.30	0.10
Total Other Funds	34.05	34.05	3.00
Total City	100.50	99.53	8.50

May 2024 Monthly Financial Report

City of Shelton, Washington

City-Wide Overview - Revenues & Expenditures

Fund	2024 Budget	2024 thru May	2024 Est Actual*	Variance Favorable (Unfavorable)	% Variance Favorable (Unfavorable)
General Fund					
Taxes	10,674,781	4,920,255	10,745,555	70,774	0.7%
Licenses & Permits	295,050	117,835	277,773	(17,277)	-5.9%
Intergovernmental Revenue	669,070	380,373	741,197	72,127	10.8%
Charges for Goods/Services	3,527,342	1,395,093	3,585,828	58,486	1.7%
Fines and Penalties	92,550	34,077	56,478	(36,072)	-39.0%
Miscellaneous Revenue	132,000	234,609	306,738	174,738	132.4%
Transfers In	47,000	-	47,000	-	0.0%
Total Revenues	15,437,793	7,082,241	15,760,569	322,776	2.1%
Wages	5,854,052	2,347,024	5,789,830	64,222	1.1%
Benefits	2,369,590	913,852	2,200,350	169,240	7.1%
Professional Services	4,664,168	1,613,660	4,761,674	(97,506)	-2.1%
Transfers-Out	818,530	127,363	734,780	83,750	10.2%
Other	1,858,931	1,008,868	1,910,722	(51,791)	-2.8%
Total Expenditures	15,565,271	6,010,767	15,397,356	167,915	1.1%
Net Revenues Less Expenditures	(127,478)	1,071,474	363,213	490,691	
Street Fund					
Taxes	675,000	304,547	675,000	-	0.0%
Licenses & Permits	10,000	3,905	20,000	10,000	100.0%
Intergovernmental Revenue	199,000	73,617	198,543	(457)	-0.2%
Charges for Goods/Services	106,120	45,930	110,230	4,110	3.9%
Miscellaneous Revenue	1,500	19,153	21,797	20,297	1353.1%
Transfers In	790,000	-	790,000	-	0.0%
Total Revenues	1,781,620	447,153	1,815,569	33,949	1.9%
Wages	387,638	176,787	412,510	(24,872)	-6.4%
Benefits	180,622	80,584	193,380	(12,758)	-7.1%
Professional Services	397,440	9,546	396,930	510	0.1%
Other	921,058	441,349	914,673	6,385	0.7%
Total Expenditures	1,886,758	708,266	1,917,493	(30,735)	-1.6%
Net Revenues Less Expenditures	(105,138)	(261,113)	(101,924)	3,214	
Capital Resources - Real Estate Excise Tax - 1 (REET-1)					
Taxes	52,500	72,457	90,000	37,500	71.4%
Miscellaneous Revenue	-	10,674	19,474	19,474	
Total Revenues	52,500	83,131	109,474	56,974	108.5%
Transfers-Out	102,570	-	102,570	-	0.0%
Total Expenditures	102,570	-	102,570	-	0.0%
Net Revenues Less Expenditures	(50,070)	83,131	6,904	56,974	

*2024 estimated actuals are based on historical data, YTD activity, known adjustments and are not year-end actuals.

May 2024 Monthly Financial Report

City of Shelton, Washington

City-Wide Overview - Revenues & Expenditures

Fund	2024 Budget	2024 thru May	2024 Est Actual*	Variance Favorable (Unfavorable)	% Variance Favorable (Unfavorable)
Capital Resources - Real Estate Excise Tax - 2 (REET-2)					
Taxes	52,500	72,457	90,000	37,500	71.4%
Miscellaneous Revenue	-	13,829	24,912	24,912	
Total Revenues	52,500	86,286	114,912	62,412	118.9%
Transfers-Out	90,000	45,000	90,000	-	0.0%
Total Expenditures	90,000	45,000	90,000	-	0.0%
Net Revenues Less Expenditures	(37,500)	41,286	24,912	62,412	
Capital Resources -Transportation Benefit District (TBD)					
Miscellaneous Revenue	-	17,707	24,000	24,000	
Transfers In	-	-	-	-	
Total Revenues	-	17,707	24,000	24,000	
Transfers-Out	832,000	542,000	832,000	-	0.0%
Total Expenditures	832,000	542,000	832,000	-	0.0%
Net Revenues Less Expenditures	(832,000)	(524,293)	(808,000)	24,000	
Capital Resources - Traffic Impact Fees (TIF)					
Charges for Goods/Services	80,000	-	25,000	(55,000)	-68.8%
Miscellaneous Revenue	-	14,140	26,582	26,582	
Total Revenues	80,000	14,140	51,582	(28,418)	-35.5%
Transfers-Out	-	-	-	-	
Total Expenditures	-	-	-	-	
Net Revenues Less Expenditures	80,000	14,140	51,582	(28,418)	
Capital Resources - General					
Intergovernmental Revenue	-	-	-	-	
Miscellaneous Revenue	-	23,020	28,969	28,969	
Total Revenues	-	23,020	28,969	28,969	
Transfers-Out	23,000	-	23,000	-	0.0%
Total Expenditures	23,000	-	23,000	-	0.0%
Net Revenues Less Expenditures	(23,000)	23,020	5,969	28,969	
Tourism Fund					
Taxes	48,000	21,685	48,000	-	0.0%
Miscellaneous Revenue	100	1,810	2,100	2,000	2000.0%
Total Revenues	48,100	23,495	50,100	2,000	4.2%
Professional Services	97,248	22,750	97,248	-	0.0%
Total Expenditures	97,248	22,750	97,248	-	0.0%
Net Revenues Less Expenditures	(49,148)	745	(47,148)	2,000	

*2024 estimated actuals are based on historical data, YTD activity, known adjustments and are not year-end actuals.

May 2024 Monthly Financial Report

City of Shelton, Washington

City-Wide Overview - Revenues & Expenditures

Fund	2024 Budget	2024 thru May	2024 Est Actual*	Variance Favorable (Unfavorable)	% Variance Favorable (Unfavorable)
Bond Fund					
Taxes	-	-	-	-	
Transfers In	180,100	-	180,100	-	0.0%
Total Revenues	180,100	-	180,100	-	0.0%
Other	180,100	-	180,100	-	0.0%
Total Expenditures	180,100	-	180,100	-	0.0%
Net Revenues Less Expenditures	-	-	-	-	

Capital Improvement Fund					
Intergovernmental Revenue	1,074,500	8,132	1,074,500	-	0.0%
Charges for Goods/Services	20,000	128,635	128,635	108,635	543.2%
Transfers In	703,000	703,000	703,000	-	0.0%
Total Revenues	1,797,500	839,767	1,906,135	108,635	6.0%
Professional Services	-	31,542	75,700	(75,700)	
Other	1,797,500	270,475	1,721,800	75,700	1.3%
Total Expenditures	1,797,500	302,017	1,797,500	-	0.0%
Net Revenues Less Expenditures	-	537,750	108,635	108,635	

Water Fund					
Charges for Goods/Services	3,206,210	1,364,014	3,203,354	(2,856)	-0.1%
Miscellaneous Revenue	46,100	56,618	114,326	68,226	148.0%
Total Revenues	3,252,310	1,420,632	3,317,680	65,370	2.0%
Wages	741,496	305,191	732,460	9,036	1.2%
Benefits	303,167	134,243	322,180	(19,013)	-6.3%
Professional Services	251,667	85,689	248,116	3,551	1.4%
Transfers-Out	1,031,000	1,031,000	1,031,000	-	0.0%
Other	2,017,752	781,914	2,083,327	(65,575)	-3.2%
Total Expenditures	4,345,082	2,338,036	4,417,083	(72,001)	-1.7%
Net Revenues Less Expenditures	(1,092,772)	(917,404)	(1,099,403)	(6,631)	

Water Capital Fund					
Intergovernmental Revenue	48,500	1,589,821	1,828,010	1,779,510	3669.1%
Transfers In	1,031,000	1,031,000	1,031,000	-	0.0%
Total Revenues	1,079,500	2,620,821	2,859,010	1,779,510	164.8%
Other	1,079,500	1,525,377	2,143,160	(1,063,660)	-98.5%
Total Expenditures	1,079,500	1,525,377	2,143,160	(1,063,660)	-98.5%
Net Revenues Less Expenditures	-	1,095,445	715,850	715,850	

*2024 estimated actuals are based on historical data, YTD activity, known adjustments and are not year-end actuals.

May 2024 Monthly Financial Report

City of Shelton, Washington

City-Wide Overview - Revenues & Expenditures

Fund	2024 Budget	2024 thru May	2024 Est Actual*	Variance Favorable (Unfavorable)	% Variance Favorable (Unfavorable)
Sewer Fund					
Charges for Goods/Services	6,757,539	2,925,405	6,904,853	147,314	2.2%
Miscellaneous Revenue	18,000	97,093	122,599	104,599	581.1%
Total Revenues	6,775,539	3,022,498	7,027,452	251,913	3.7%
Wages	967,051	398,468	956,320	10,731	1.1%
Benefits	437,406	172,149	413,120	24,286	5.6%
Professional Services	422,085	194,379	466,510	(44,425)	-10.5%
Transfers-Out	1,294,000	1,294,000	1,294,000	-	0.0%
Other	4,815,614	2,463,450	4,812,513	3,101	0.1%
Total Expenditures	7,936,156	4,522,446	7,942,463	(6,307)	-0.1%
Net Revenues Less Expenditures	(1,160,617)	(1,499,948)	(915,011)	245,606	
Sewer Capital Fund					
Intergovernmental Revenue	5,216,500	26,437	2,911,950	(2,304,550)	-44.2%
Transfers In	1,294,000	1,294,000	1,294,000	-	0.0%
Total Revenues	6,510,500	1,320,437	4,205,950	-	0.0%
Other	6,510,500	49,788	3,710,380	2,800,120	43.0%
Total Expenditures	6,510,500	49,788	3,710,380	2,800,120	43.0%
Net Revenues Less Expenditures	-	1,270,649	495,570	495,570	
Solid Waste Fund					
Intergovernmental Revenue	124,500	111,715	124,500	-	0.0%
Miscellaneous Revenue	-	4,566	6,288	6,288	
Total Revenues	124,500	116,281	130,788	6,288	5.1%
Professional Services	42,000	9,633	42,000	-	0.0%
Other	134,438	119,944	119,959	14,479	10.8%
Total Expenditures	176,438	129,578	161,959	14,479	8.2%
Net Revenues Less Expenditures	(51,938)	(13,296)	(31,172)	20,766	
Storm Drainage Fund					
Intergovernmental Revenue	175,000	14,309	75,000	(100,000)	-57.1%
Charges for Goods/Services	1,583,130	702,562	1,668,948	85,818	5.4%
Miscellaneous Revenue	500	26,944	37,624	37,124	7424.7%
Total Revenues	1,758,630	743,815	1,781,572	22,942	1.3%
Wages	595,164	234,650	589,626	5,538	0.9%
Benefits	256,842	96,054	243,843	12,999	5.1%
Professional Services	123,090	29,841	121,380	1,710	1.4%
Transfers-Out	395,000	395,000	395,000	-	0.0%
Other	784,111	328,749	811,344	(27,233)	-3.5%
Total Expenditures	2,154,207	1,084,294	2,161,193	(6,986)	-0.3%
Net Revenues Less Expenditures	(395,577)	(340,479)	(379,621)	15,956	
Storm Drainage Capital Fund					
Intergovernmental Revenue	-	-	-	-	
Transfers In	395,000	395,000	395,000	-	0.0%
Total Revenues	395,000	395,000	395,000	-	0.0%
Other	395,000	18,984	395,000	-	0.0%
Total Expenditures	395,000	18,984	395,000	-	0.0%
Net Revenues Less Expenditures	-	376,016	-	-	

*2024 estimated actuals are based on historical data, YTD activity, known adjustments and are not year-end actuals.

May 2024 Monthly Financial Report

City of Shelton, Washington

City-Wide Overview - Revenues & Expenditures

Fund	2024 Budget	2024 thru May	2024 Est Actual*	Variance Favorable (Unfavorable)	% Variance Favorable (Unfavorable)
Payroll Benefits Fund					
Charges for Goods/Services	40,000	21,660	51,980	11,980	30.0%
Miscellaneous Revenue	350	3,552	4,500	4,150	1185.7%
Transfers In	120,000	11,363	86,250	(33,750)	-28.1%
Total Revenues	160,350	36,575	142,730	(17,620)	-11.0%
Benefits	160,350	20,995	106,548	53,803	33.6%
Total Expenditures	160,350	20,995	106,548	53,803	33.6%
Net Revenues Less Expenditures	-	15,580	36,183	36,183	

Equipment Maint & Rental Fund					
Charges for Goods/Services	578,000	330,086	762,170	184,170	31.9%
Miscellaneous Revenue	5,000	9,221	10,420	5,420	108.4%
Total Revenues	583,000	339,308	772,590	189,590	32.5%
Wages	111,323	49,715	119,320	(7,997)	-7.2%
Benefits	53,852	24,001	57,600	(3,748)	-7.0%
Professional Services	22,308	297	22,198	110	0.5%
Other	384,998	153,786	384,265	733	0.2%
Total Expenditures	572,481	227,799	583,383	(10,902)	-1.9%
Net Revenues Less Expenditures	10,519	111,509	189,207	178,688	

Firefighter's Pension Fund					
Taxes	100	-	-	(100)	-100.0%
Miscellaneous Revenue	9,000	6,723	16,000	7,000	77.8%
Transfers In	50,000	-	-	(50,000)	-100.0%
Total Revenues	59,100	6,723	16,000	(43,100)	-72.9%
Benefits	80,600	22,772	74,128	6,472	8.0%
Total Expenditures	80,600	22,772	74,128	6,472	8.0%
Net Revenues Less Expenditures	(21,500)	(16,049)	(58,128)	(36,628)	

Firefighters Pension Fund Notes

Revenues: Current estimate does not include a transfer-in from general fund in 2024.

Library Endowment Fund					
Miscellaneous Revenue	1,600	777	1,500	(100)	-6.3%
Total Revenues	1,600	777	1,500	(100)	-6.3%
Transfers-Out	24,000	-	24,000	-	0.0%
Total Expenditures	24,000	-	24,000	-	0.0%
Net Revenues Less Expenditures	(22,400)	777	(22,500)	(100)	

*2024 estimated actuals are based on historical data, YTD activity, known adjustments and are not year-end actuals.



CITY OF SHELTON COUNCIL BRIEFING REQUEST (Agenda Item F1)

Touch Date: 06/27/2024
Brief Date: 07/16/2024
Action Date: 08/06/2024

Department: Public Works
Presented By: Aaron Nix, Capital Projects Manager

APPROVED FOR COUNCIL PACKET:

Action Requested:

ROUTE TO:

REVIEWED:

PROGRAM/PROJECT TITLE:

Grant Acceptance for Wallace
Kneeland Blvd/Shelton Springs Rd
Intersection Improvements

Ordinance

Resolution

Motion

Other

Dept. Head

J.O.H

Finance Director

Attorney

City Clerk

City Manager

ATTACHMENTS:

1. Briefing
2. Resolution No. 1341-0724
3. Attachments

DESCRIPTION OF THE PROGRAM/PROJECT AND BACKGROUND INFORMATION:

The City was awarded a direct appropriation by the Washington State Legislature in 2019 in the amount of \$650,000 in order to design and construct improvements at the intersection of Wallace Kneeland Boulevard and Shelton Springs Road. The existing signal needs to be improved in order to increase the level of service that currently exists at this intersection (Level D). Right turn lanes, a new signal controller and other improvements will be required in order to maintain this level of service in the future. Otherwise, the signal will continue to move towards failure and an unacceptable level of service within this intersection. Currently, especially with school in session, east bound traffic on Shelton Springs Road is heavily congested when school is released in the afternoon.

ANALYSIS/OPTIONS/ALTERNATIVES:

This money is older grant funds that the City received in 2019. Originally, Staff and Council envisioned a roundabout in this area, but cost increases have placed a roundabout out of reach financially. The Council could elect to continue pursuing a roundabout, but it has been estimated that signal improvements (\$1.6 million dollars) can be accomplished much cheaper than a roundabout (\$4-\$5 million), while still maintaining a level of service D, as adopted by the Shelton City Council previously.

BUDGET/FISCAL INFORMATION:

We currently have a \$650,000 legislative appropriation (2019) that is available and will be utilized towards design and construction of the proposed signal improvements, estimated to be approximately 1.6 million dollars (See attached intersection analysis conducted by SCJ Alliance). The project is slated to go to construction in 2025, with the remainder of the monies needed being budgeted to complete the construction within the 2025 capital budget. The project will be designed and permitted in 2024.

PUBLIC INFORMATION REQUIREMENTS:

Materials, as it relates to this project, are in the process of being developed. Any information relevant to this project is available through the Public Works Department.

STAFF RECOMMENDATION/MOTION:

"I move to place Resolution No. 1341-0724 onto the consent agenda for the August 6, 2024 Council meeting."

RESOLUTION NO. 1341-0724

**A RESOLUTION OF THE COUNCIL OF THE CITY OF SHELTON, WASHINGTON
AUTHORIZING THE CITY MANAGER TO ACCEPT GRANT FUNDS IN THE AMOUNT OF \$650,000 FOR
PROPOSED IMPROVEMENTS TO THE INTERSECTION OF WALLACE KNEELAND BOULEVARD AND
SHELTON SPRINGS ROAD**

WHEREAS, the City was awarded funds by a Washington State Legislative appropriation in 2019 in order to begin improvements to the traffic flows at this intersection; and

WHEREAS, several concepts have been discussed in the past, including a roundabout in this area; and

WHEREAS, It makes the most sense for the City to utilize this appropriation in the design and improvements associated with upgrading the signal in this area, alleviating current back-up delays and ensuring the functioning of this intersection in the future, as the City grows and expands in accordance with the Washington State Growth Management Act; and

WHEREAS, SCJ Alliance conducted an analysis of this intersection and has concluded that improvements to the existing signal will allow the City to meet future demand of within this intersection, meeting the Council's adopted level of service (D), at a much lower cost than would be required to construct a roundabout.

THEREFORE, BE IT RESOLVED by the City Council of the City of Shelton, Washington, as follows:

1. The City Manager is authorized to accept grant funds in the amount of \$650,000 for the design and construction of improvements to the intersection at Wallace Kneeland Boulevard and Shelton Springs Road.

INTRODUCED on the 16th of July 2024 and **PASSED** by the City Council at its regular meeting on the 6th of August 2024.

ATTEST:

Mayor Onisko

City Clerk Nault



Washington State
Department of Transportation

Transportation Building
310 Maple Park Avenue S.E.
P.O. Box 47300
Olympia, WA 98504-7300
360-705-7000
TTY: 1-800-833-6388
www.wsdot.wa.gov

June 14, 2019

Mr. Craig Gregory
Public Works Director
City of Shelton
525 West Cota Street
Shelton, Washington 98584

**Wallace Kneeland and Shelton Springs Road Intersection
2019-21 Transportation Budget
State Funding**

Dear Mr. Gregory: *Craig*

WSDOT is pleased to advise you that the above mentioned project was selected to receive funding through the 2019-21 Transportation Budget. The state funding is limited as shown below:

Wallace Kneeland and Shelton Springs Road Intersection **\$650,000**
Scope: Completion of Access Shelton Phase 3B at Wallace Kneeland Boulevard and North Shelton Springs Road.

In order to meet state requirements, the following are required:

- Project expenditures incurred before receiving notice from Local Programs of state fund authorization are not eligible for reimbursement.
- Please refer to the Local Programs web page for detailed authorization information, including: (<http://www.wsdot.wa.gov/localprograms/>)
 - ✓ Local Agency Guidelines (LAG) manual for detailed requirements;
 - ✓ Transportation Improvement Program (TIP) and Statewide Transportation Improvement Program (STIP) amendments, as applicable;
 - ✓ Funding and billing forms;
 - ✓ Quarterly Project Report required to be completed by the end of March, June, September and December each year. To access the database you will need an account name and password. Your account name is ??? and your password is ???. The password is case sensitive.

As a reminder, Local Programs encourages all agencies to submit monthly progress billings to ensure timely reimbursement of eligible expenditures.

For assistance please contact Brian Dias, your Region Local Programs Engineer, at 360.357.2631.

Sincerely,

Kathleen B. Davis
Director
Local Programs

Attachment
KBD:st:sas

cc: Brian Dias, Olympic Region Local Programs Engineer, MS 47440

April 22, 2024

Mr. Jay Harris, PE
Public Works Director
City of Shelton
525 West Cota Street
Shelton, WA 98584

**RE: Wallace Kneeland and Shelton Springs Rd Intersection
2024 Supplemental Transportation Budget
State Funding**

Dear Mr. Harris:

WSDOT is pleased to advise you that the 2024 Supplemental Transportation Budget has updated the above-mentioned project funding. The state funding is limited as shown below:

Wallace Kneeland and Shelton Springs Rd Intersection	\$650,000
<i>Prior Expenditures:</i>	\$ 0
2023-25 Available Funding:	\$650,000

Scope: Completion of Access Shelton Phase 3B at Wallace Kneeland Boulevard and North Shelton Springs Road.

In the event the 2023-25 funding is not all reimbursed, WSDOT will need to request the remaining funding through the 2025-27 budget development. Until the funding is provided by the legislature, WSDOT can only reimburse your agency for the approved work completed each biennium, as reflected above. Therefore, it is critical that the city update the Local Project Report detailing the project's delivery, so that the funding aligns with your schedule.

In order to meet the state requirements, the following are required:

- Project expenditures incurred before receiving notice from Local Programs of state fund authorization are not eligible for reimbursement.
- Please refer to the Local Programs webpage for detailed authorization information including: (<https://wsdot.wa.gov/business-wsdot/support-local-programs>)
 - ✓ Local Agency Guidelines (LAG) manual for detailed requirements;
 - ✓ Transportation Improvement Program (TIP) and Statewide Transportation Improvement Program (STIP) amendments, as applicable;
 - ✓ Funding and billing forms;

Mr. Jay Harris, PE
City of Shelton
April 22, 2024

- ✓ Local Project Report is required to be completed by the end of June and December each year. To access the database you will need an account name and password. Your account name is **Shelton** and your password is **Shelt396**. The password is case sensitive.

Local Programs encourages all agencies to submit monthly progress billings to ensure timely reimbursement of eligible expenditures.

For assistance, please contact your Region Local Programs Engineer, John Ho, at 564.669.1018 or John.Ho@wsdot.wa.gov.

Sincerely,



Jay Drye, PE
Director
Local Programs

JD:st:cdm

cc: John Ho, Olympic Region Local Programs Engineer

Technical Memo

TO: Aaron Nix, City of Shelton

FROM: Ryan Shea, PTP, Senior Transportation Planner

DATE: March 13, 2024

PROJECT: Wallace Kneeland Blvd and Shelton Springs Rd Intersection

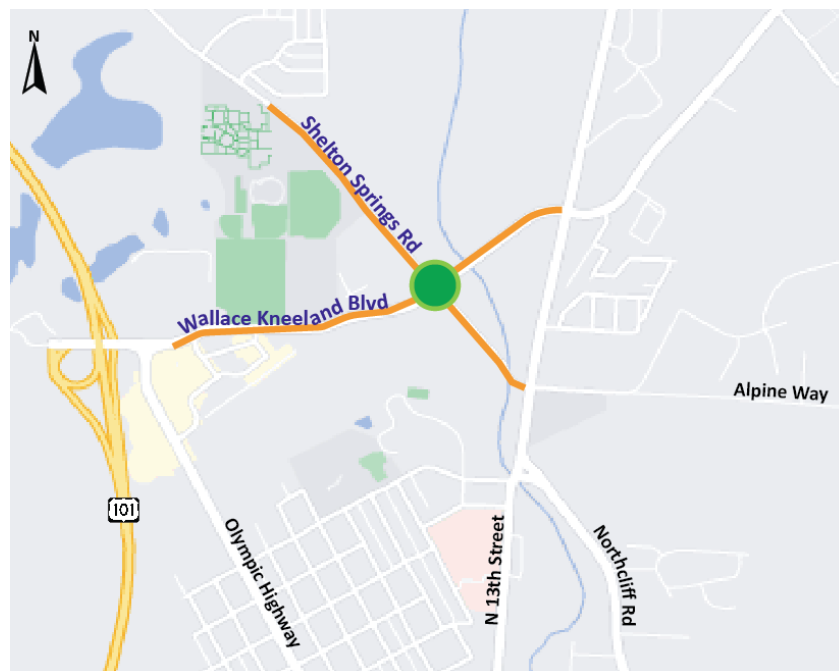
SUBJECT: Intersection Operational Analysis

Introduction

The City of Shelton was awarded Transportation Improvement Board (TIB) grant money to implement intersection improvements at the Wallace Kneeland Boulevard and Shelton Springs Road intersection. Prior analysis, conducted in July of 2019, recommended the construction of a roundabout at this location. The city has requested this intersection be re-evaluated to potentially shift to implementing traffic signal improvements in lieu of roundabout control. This memo describes the existing safety and operational conditions, traffic volume forecasting process and future operational analysis results.

The analysis study area is shown in **Figure 1**.

Figure 1 – Project Vicinity Map





Project Context

Background Information

A Traffic Volume Forecast and Intersection Operational Analysis was performed for the Wallace Kneeland Boulevard/N 13th Street and Wallace Kneeland Boulevard/Shelton Springs Road intersections in July of 2019. This analysis was conducted in support of the city pursuing Transportation Improvement Board (TIB) grant money to implement intersection improvements. The Study provided a recommendation of roundabout control for both intersections.

The City of Shelton was awarded the TIB grant money, however the money awarded will not cover the cost of constructing a roundabout at the Wallace Kneeland Boulevard/Shelton Springs Road intersection and therefore the city is pursuing implementing traffic signal improvements in lieu of roundabout control.

Analysis Parameters

In support of the City's effort to implement traffic signal improvements at Wallace Kneeland Boulevard/Shelton Springs Road intersection, 2044 design year and 2025 opening year volumes were prepared and analyzed to identify appropriate improvements.

Existing Conditions

Wallace Kneeland Boulevard

Wallace Kneeland Boulevard is classified as a principal arterial between US 101 and Shelton Springs Road, with two travel lanes in each direction for the majority of the section and a posted speed of 30 mph. This portion of Wallace Kneeland Blvd serves commercial properties and provides access to US 101. Wallace Kneeland Boulevard east of Shelton Springs Road is classified as a minor arterial, with a single travel lane in each direction and a posted speed of 30 mph..

Shelton Springs Road

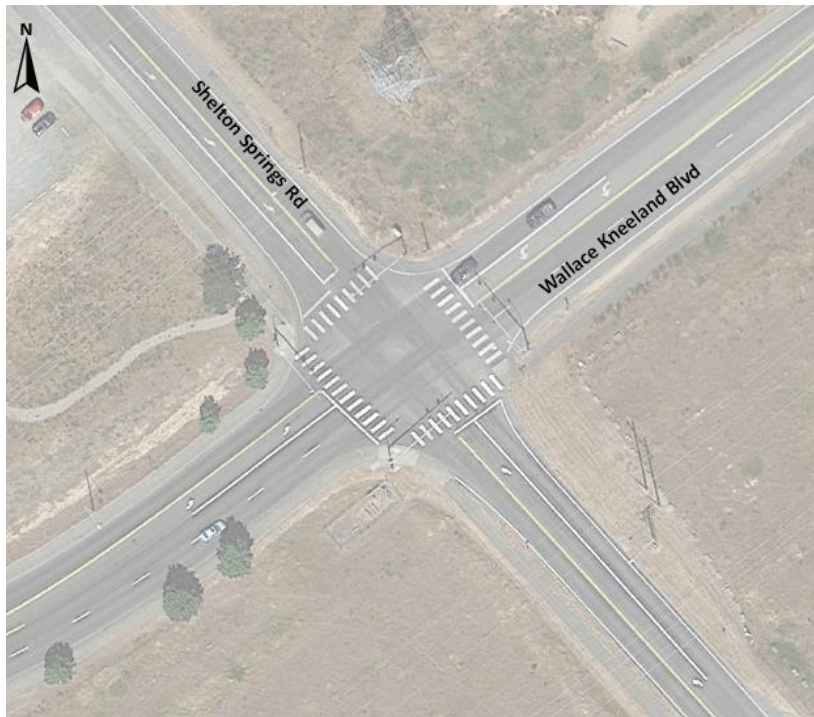
Shelton Springs Road is classified as a major collector, with a single travel lane in each direction and a posted travel speed of 30 mph. Oakland Bay Junior High School and Shelton High School are both located along Shelton Springs Road, and a two-way left-turn lane (TWLTL) is provided along the school frontage.

Wallace Kneeland Boulevard/Shelton Springs Road Intersection

This intersection currently operates under traffic signal control, with Wallace Kneeland traveling east/west and Shelton Springs Road traveling north/south. The signal currently operates with two phases, using permissive control for all left-turn movements. The northbound and southbound approaches of Shelton Springs Rd and the westbound approach of Wallace Kneeland Blvd provide a left-turn lane and a shared through-right lane. The eastbound approach of Wallace Kneeland Blvd provides a left-turn lane, a through lane and a shared through-right lane. movements. This intersection is shown in **Figure 2**.



Figure 2. Wallace Kneeland Blvd/Shelton Springs Rd Intersection



Traffic Volumes

Traffic Count Consultants, TC2, a transportation data collection service, provided morning peak, and evening peak period turning movement counts. The counts were conducted on January 09, 2024 between 7:00 and 9:00 AM for the AM peak period and 2:00 and 6:00 PM for the PM peak period. The PM peak hour counts were collected over a four-hour period to capture the school traffic peak as well as the surrounding roadway network peak. The highest hour in the PM peak period occurred during the school peak and has been used for the intersection analysis.

The existing AM peak hour 2024 traffic volumes are presented in **Figure 3**. The existing PM peak hour 2024 traffic volumes are presented in **Figure 4**. Given that the PM peak hour volumes are higher overall and higher for most of the individual movements, the operational analysis is focused on the PM peak hour.

The turning movement count diagrams are attached.



Figure 3. Existing 2024 AM Peak Hour Traffic Volumes

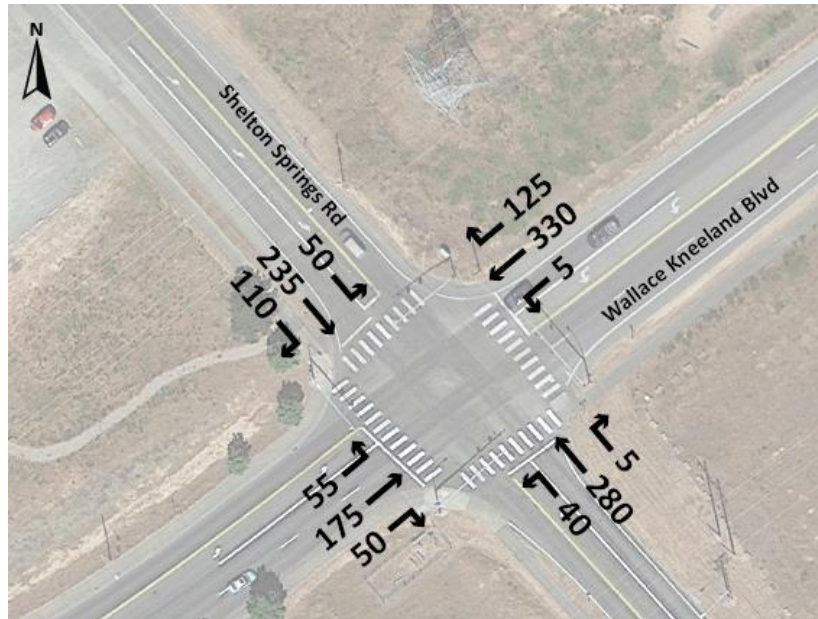
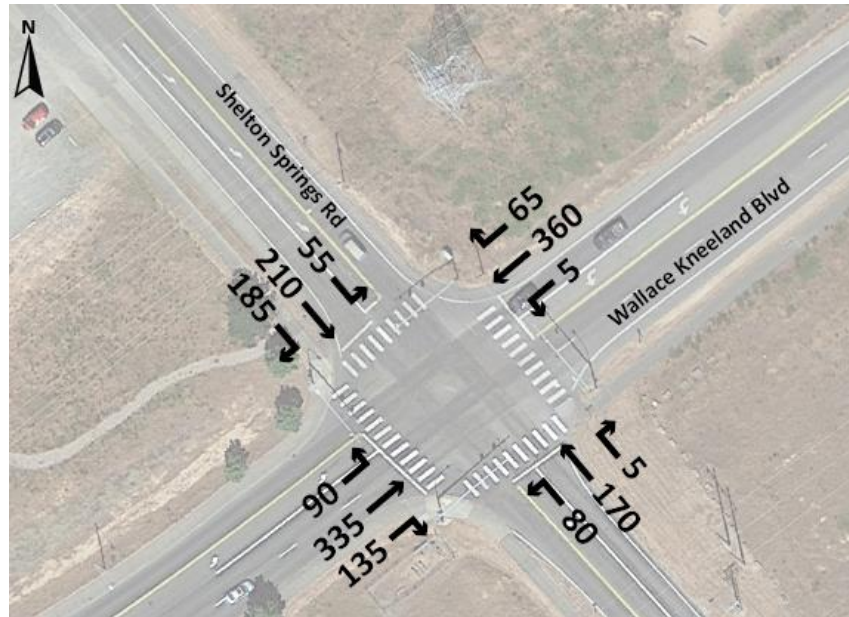


Figure 4. Existing 2024 PM Peak Hour Traffic Volumes





Crash History

The Washington Department of Transportation provides crash data for study area roadways. The data was collected over the five-year span between January 1, 2019 and December 31, 2023 and reviewed for the study area intersections. The total crashes by severity are provided in Table 1.

Table 1. Existing Crash Severity

	Serious	Minor	Possible	Property	
Fatal	Injury	Injury	Injury	Damage	Total
				Only	
0	0	3	7	14	24

There were no serious injury or fatal crashes reported at the study area intersections. Overall, approximately 60 percent of all the reported crashes were classified as property damage only (with no apparent injury).

Roadway Improvements

The City of Shelton Comprehensive Plan (2017) identifies, in the twenty-year transportation plan, providing a second westbound through lane and eastbound right-turn lane at the Wallace Kneeland Blvd/Shelton Springs Rd intersection.

Future Traffic Volumes

Traffic volume forecasts were prepared for PM peak hour conditions for the 2025 opening year and 2044 design year. The future traffic volume forecast includes non-specific background traffic growth pipeline development traffic.

For the non-specific background traffic growth, a 3.0 percent annual growth rate (non-compounded) was assumed, which is consistent with the prior analysis.

The pipeline development projects identified within the vicinity of the study intersection include the following:

- Proposed 54-unit single-family housing across from the YMCA on Shelton Springs Road
- Proposed Olympic Heights Phase 1 - 199- unit single-family housing
- Potential Full Build of Olympic Heights – 1,715 housing units and a new elementary school - use for sensitivity analysis

The projected opening year(2025) traffic volumes are shown in **Figure 5** and the projected design year (2044) traffic volumes are shown in **Figure 6**. Projected design year (2044) sensitivity traffic volumes are shown in **Figure 7**. The traffic volume calculations are attached.



Figure 5. Projected Opening Year (2025) Traffic Volumes

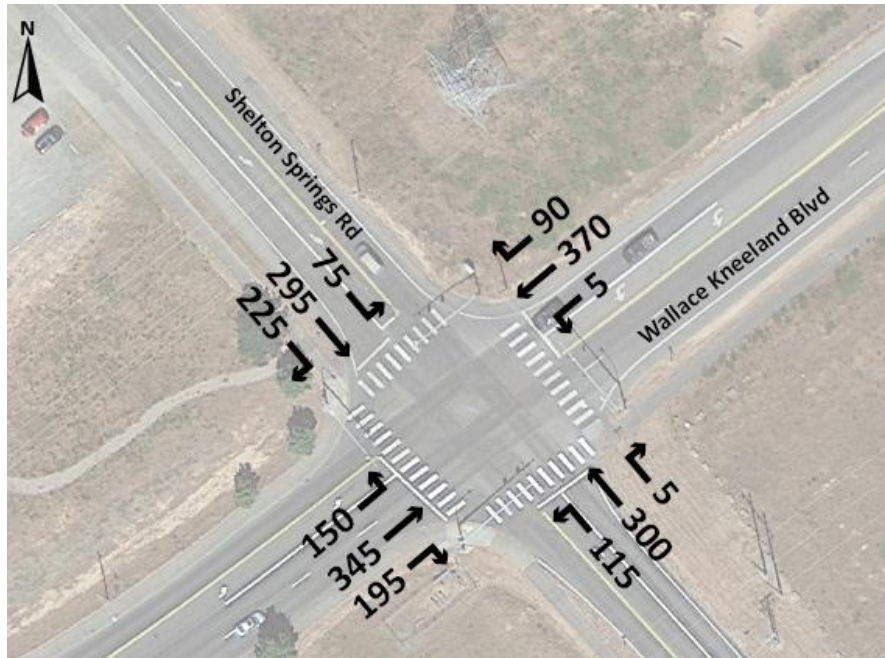


Figure 6. Projected Design Year (2044) Traffic Volumes

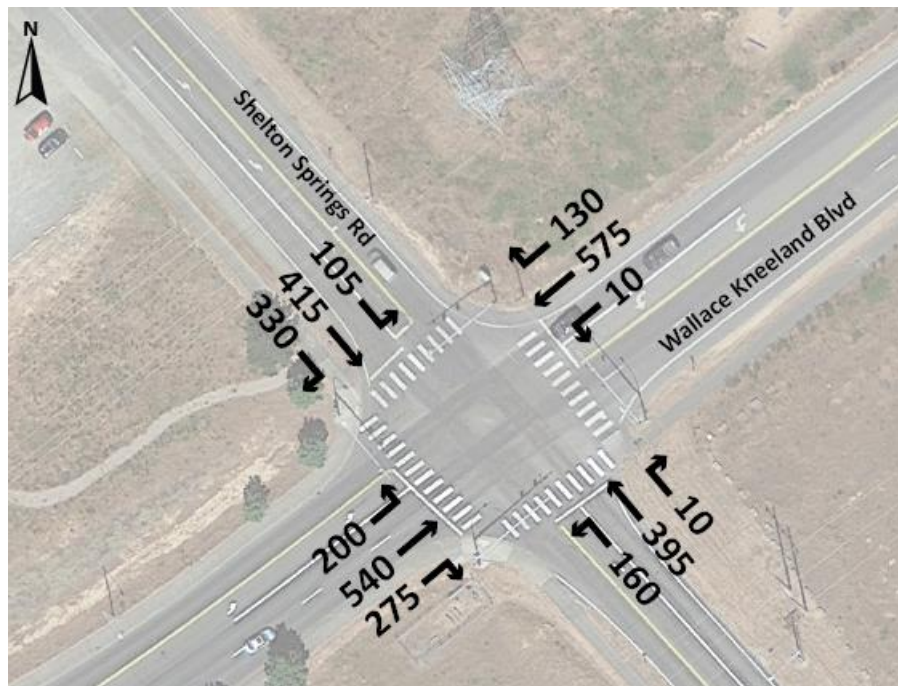
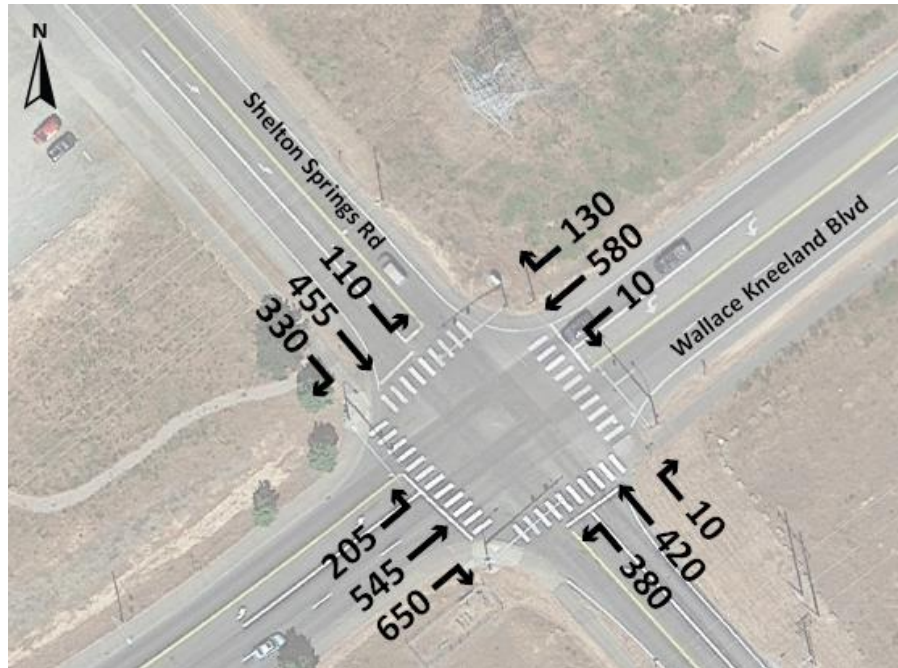




Figure 7. Projected Design Year (2044) Sensitivity Traffic Volumes



Traffic Operations Analysis

Traffic analyses were conducted to identify any deficiencies for the PM peak hour in the 2024 base year, 2025 opening year, and 2044 design year.

Level of Service

The acknowledged source for determining operating performance for arterial segments and independent intersections is the current edition of the Highway Capacity Manual (HCM) published by the Transportation Research Board (TRB).

Intersection analysis was performed using the Synchro/SimTraffic software package (version 12). This software implements the methods of the 7th Edition HCM. Operations analysis results are described in terms of Level of Service (LOS). LOS is a qualitative term describing operating conditions a driver will experience while traveling on a street or highway during a specific time interval. LOS ranges from A (very little delay) to F (long delays and congestion). The City of Shelton has adopted a minimum LOS D standard for this intersection.

Volume to Capacity Ratio

Another measure of the performance of an intersection is the “degree of saturation” which is typically presented as the “volume to capacity” (v/c) ratio. Many factors affect the volume of traffic an intersection can accommodate during a specific time interval. These factors include the number of lanes, lane widths, the type of signal phasing, the number of parking maneuvers on the adjacent street, etc. Based on these factors, the intersection (or individual lane group) is determined to have a total theoretical vehicle carrying capacity “c” for the analysis period. The analysis period volume “v” is compared to the calculated carrying capacity and presented as a ratio. If the v/c ratio is below 1.0, the



demand volume is less than the maximum capacity. If the v/c ratio is over 1.0, the demand volume exceeds the available capacity.

Vehicle Queues

A vehicle queue analysis was conducted using the SimTraffic simulation tool included in the Synchro software package. The analysis shows the average of five simulations, providing the 95th percentile queue, which is the peak typical queue experienced, excluding the highest five percent of occurrences. The 95th percentile queue is a useful parameter for determining the appropriate length of turn pockets but is not typical of what the average driver would experience.

Intersection Operational Analysis

For intersections under minor street stop-control, the LOS of the most difficult movement (typically the minor street left-turn) represents the intersection Level of Service for purposes of assessing potential impacts. For traffic signals and roundabouts, the intersection average delay is used to assess potential impacts. The following table shows the Level of Service criteria for stop-controlled and roundabout intersections and for signalized intersections.

Table 2. Level of Service Criteria for Intersections

Level of Service	Signalized Intersection Average Control Delay (seconds/vehicle)	Stop-Controlled Intersection Average Control Delay (seconds/vehicle)
A	≤ 10	≤ 10
B	> 10-20	> 10-15
C	> 20-35	> 15-25
D	> 35-55	> 25-35
E	> 55-80	> 35-50
F	> 80	> 50

The existing 2024, 2025 opening year and 2044 design year operational analysis results with existing signal timings and channelization are provided in **Table 3**. The operational analysis capacity worksheets are attached.

Table 3. Existing Intersection Conditions Operational Analysis Summary

Approach	Existing 2024		Opening Year (2025)		Design Year (2044)	
	LOS (delay)	Worst 95th Percentile Queue (movement)	LOS (delay)	Worst 95th Percentile Queue (movement)	LOS (delay)	Worst 95th Percentile Queue (movement)
EB	B (10.4)	121' (thru)	B (19.2)	252' (thru)	F (92.9)	500' (thru)
WB	B (11.2)	192' (thru)	B (19.2)	254' (thru)	D (37.4)	720' (thru)
NB	B (12.5)	105' (thru)	C (20.8)	517' (thru)	F (187.2)	685' (thru)
SB	B (13.0)	221' (thru)	C (22.7)	412' (thru)	E (73.4)	775' (thru)
Intersection	B (11.6)		C (20.5)		F (91.8)	



Wallace Kneeland Blvd/Shelton Springs Rd intersection currently operates at LOS B. With the addition of background growth and pipeline development traffic, the intersection is projected to operate at LOS C during the 2025 opening year which is within the City of Shelton standards. During the 2044 design year, this intersection is projected to operate at LOS F and is projected to generate multiple 95th percentile queues in excess of 650 feet.

An initial evaluation of the intersection was done using the existing channelization and changing the signal timings to provide protection for the left-turn movements. This change does not result in a meaningful improvement. The minimum improvements needed to accommodate the projected 2044 PM peak hour volumes are, in addition to the left turn timing adjustments, a 2nd westbound through lane and a 100-foot southbound to westbound right-turn pocket were added. The 2nd westbound through lane was assumed to pick up where the current 2nd eastbound through lane tapers down to one, approximately 200 feet east of Shelton Springs Road. In summary, the improvement package includes the following elements:

- Change from permissive to protected for each left turn movement
- Construction of a second westbound through lane
- Construction of a southbound right turn pocket

With this package of improvements, the intersection is projected to operate at a LOS D, which is within the city’s standard. However, there are still significant vehicle queues projected for the southbound approach of Shelton Springs Road.

An additional improvement alternative was assessed that includes all of the improvements described above and the additional improvement of a 2nd southbound through lane. This lane is assumed to form approximately 200 feet before the intersection. The terminus of the lane was not determined and would warrant further study.

The operational results are provided in **Table 4**.

Table 4. 2044 Operational Analysis Summary

Approach	Existing Channelization		With Improvements		With Improvements and 2 nd SB Through Lane	
	LOS (delay)	Worst 95th Percentile Queue (movement)	LOS (delay)	Worst 95th Percentile Queue (movement)	LOS (delay)	Worst 95th Percentile Queue (movement)
EB	F (92.9)	500' (thru)	C (30.9)	275' (thru)	C (28.2)	238' (thru)
WB	D (37.4)	720' (thru)	D (43.0)	260' (thru)	D (38.7)	267' (thru)
NB	F (187.2)	685' (thru)	D (39.1)	380' (thru)	D (38.3)	368' (thru)
SB	E (73.4)	775' (thru)	D (43.9)	875' (thru)	D (37.3)	271' (thru)
Intersection	F (91.8)		D (38.6)		C (34.9)	



Sensitivity Analysis

In addition to assessing the existing control at each intersection for the existing year and long term 2044 horizon, a sensitivity analysis was performed to determine what additional improvements may be needed upon full build out of the adjacent Olympic Heights project. In total this project intends to construct:

- 1,255 single family dwelling units
- 460 apartment units
- New elementary school

Based on the trip generation provided by the development as part of an evaluation of the Shelton Springs Rd/Alpine Way at 13th St intersection, the full build out traffic volumes for the project have been added to the 2044 volume forecast. With the addition of these trips the improvement package described above will fall to LOS F, with multiple approaches experiences significant vehicle queues. To mitigate the intersection two additional improvements were identified:

- Construction of an eastbound right turn pocket
- Construction of a 2nd northbound left turn pocket

Both of these improvements specifically accommodate the volumes associated with the project. With these additional improvements the intersection is projected to operate at LOS D. However, there are still significant vehicle queues projected for the southbound approach of Shelton Springs Road. Similar to the baseline 2044 volume forecast, an additional alternative was evaluated that includes a second southbound lane on Shelton Springs Road. This lane is assumed to form approximately 200 feet before the intersection. The terminus of the lane was not determined and would warrant further study.

The operational results are provided in **Table 5**.

Table 5. 2044 Sensitivity Operational Analysis Summary

Approach	With Initial Improvements		With Additional Improvements		With Additional Improvements and 2 nd SB Through Lane	
	LOS (delay)	Worst 95th Percentile Queue (movement)	LOS (delay)	Worst 95th Percentile Queue (movement)	LOS (delay)	Worst 95th Percentile Queue (movement)
EB	F (108.6)	450' (thru)	C (30.9)	428' (thru)	C (24.5)	301' (thru)
WB	E (70.6)	343' (thru)	D (52.1)	281' (thru)	D (37.4)	262' (thru)
NB	E (62.3)	807' (thru)	D (43.7)	411' (thru)	D (39.3)	375' (thru)
SB	E (77.4)	727' (thru)	D (50.2)	835' (thru)	C (31.5)	297' (thru)
Intersection	F (84.3)		D (42.6)		C (32.3)	



Operations Analysis Summary

Based on the forecasted 2044 PM peak hour volumes multiple intersection improvements will be needed to maintain an acceptable performance level at the intersection. The identified package of improvements includes:

- Change from permissive to protected for each left turn movement
- Construction of a second westbound through lane
- Construction of a southbound right turn pocket

Additional improvements to improve the projected vehicle queues on southbound Shelton Springs Road should be further evaluated as traffic volume increase.

The implications of full build out of the nearby Olympic Heights project was also evaluated. Based on the current 2044 volume forecasts two additional improvements have been identified:

- Construction of an eastbound right turn pocket
- Construction of a 2nd northbound left turn pocket

As additional phases of the Olympic Heights project advance the development will be responsible for providing operational analysis of the immediate area, including this intersection. Those future studies will identify if and when additional improvements are needed at the intersection.

Cost Estimate

To support the city's efforts to proceed with intersection improvements an updated cost estimate has been prepared. The cost estimate includes the three intersection improvements described above, which are:

- Change from permissive to protected for each left turn movement
- Construction of a second westbound through lane
- Construction of a southbound right turn pocket

The cost estimate for these improvements is approximately \$1,530,000. A detailed breakdown of the cost estimate calculations is attached.



Recommendation

The City of Shelton was awarded Transportation Improvement Board (TIB) grant money to implement intersection improvements at the Wallace Kneeland Boulevard and Shelton Springs Road intersection. This intersection currently operates under traffic signal control. In the 2044 design year this control is projected to operate at LOS F during the afternoon peak hour. A set of improvements has been identified to maintain an acceptable performance level, which includes:

- Change from permissive to protected for each left turn movement
- Construction of a second westbound through lane
- Construction of a southbound right turn pocket

These improvements should be advanced to design. Additional improvements have been evaluated to further improve the projected vehicle queues and to accommodate the full build out of the nearby Olympic Heights development. These additional improvements should be studied further as traffic volume growth occurs.

SCJ Alliance

Prepared by Ryan Shea, PTP, Senior Transportation Planner

Attachments:

Existing Traffic Counts

PM Volume Calculations

Operation Analysis Worksheets

Cost Estimate Calculations



Prepared for: **SCJ Alliance**

Traffic Count Consultants, Inc.

Phone: (253) 770-1407 FAX: (253) 770-1411 E-Mail: Team@TC2inc.com

WBE/DBE

Intersection: N Shelton Springs Rd & Wallace-Kneeland Blvd

Date of Count: Tue 01/09/2024

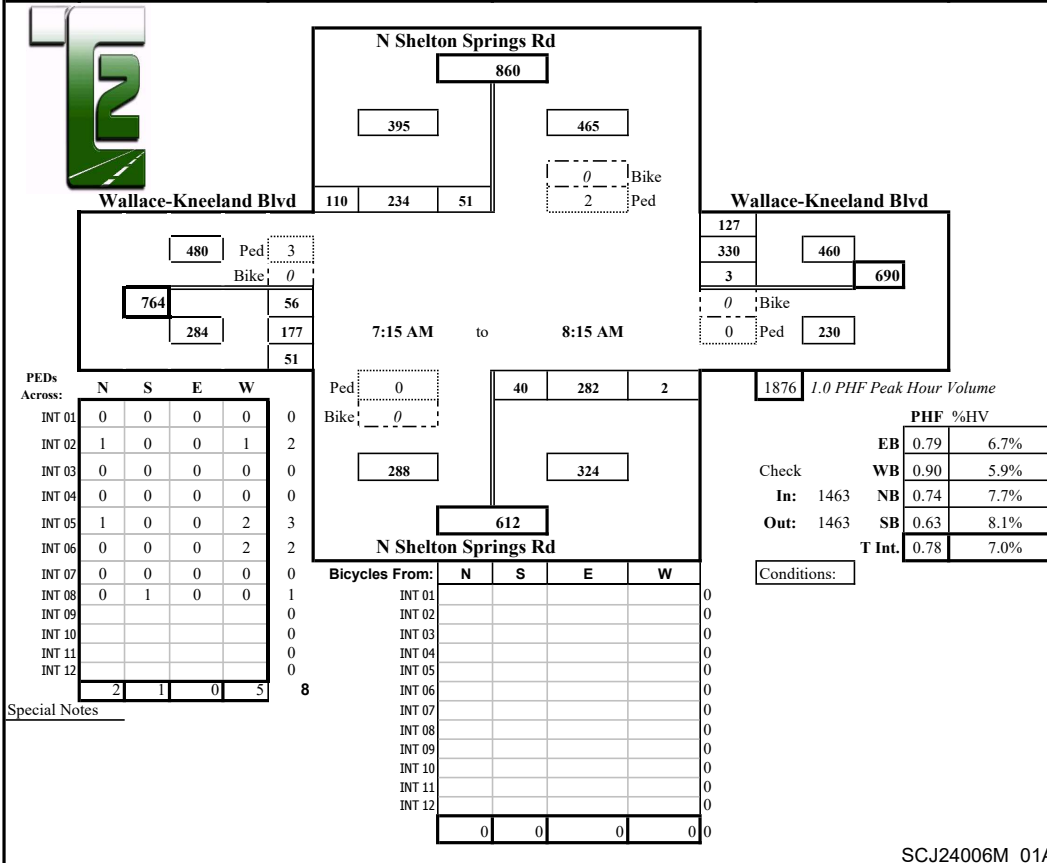
Location: Shelton, Washington

Checked By: Jen

Time Interval	From North on (SB) N Shelton Springs Rd				From South on (NB) N Shelton Springs Rd				From East on (WB) Wallace-Kneeland Blvd				From West on (EB) Wallace-Kneeland Blvd				Interval Total
	T	L	S	R	T	L	S	R	T	L	S	R	T	L	S	R	
7:15 A	4	6	25	17	2	2	36	0	12	0	80	27	1	17	19	12	241
7:30 A	5	7	35	33	13	9	91	0	5	0	86	42	4	13	31	8	355
7:45 A	18	26	96	36	4	11	98	0	7	2	77	47	7	18	49	9	469
8:00 A	2	12	72	25	7	9	61	0	6	0	79	25	5	14	55	21	373
8:15 A	7	6	31	16	1	11	32	2	9	1	88	13	3	11	42	13	266
8:30 A	2	5	18	10	0	10	16	0	2	0	72	10	2	9	31	11	192
8:45 A	1	4	33	19	6	8	28	1	6	1	75	17	2	11	48	17	262
9:00 A	3	10	42	16	12	7	39	0	6	0	71	14	6	14	39	11	263
9:15 A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:30 A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:45 A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10:00 A	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Survey	42	76	352	172	45	67	401	3	53	4	628	195	30	107	314	102	2421
Peak Hour: 7:15 AM to 8:15 AM																	

Total	32	51	234	110	25	40	282	2	27	3	330	127	19	56	177	51	1463
Approach	395				324				460				284				1463
%HV	8.1%				7.7%				5.9%				6.7%				7.0%
PHF	0.63				0.74				0.90				0.79				0.78



PEDs Across:	N	S	E	W	Total
INT 01	0	0	0	0	0
INT 02	1	0	0	1	2
INT 03	0	0	0	0	0
INT 04	0	0	0	0	0
INT 05	1	0	0	2	3
INT 06	0	0	0	2	2
INT 07	0	0	0	0	0
INT 08	0	1	0	0	1
INT 09					0
INT 10					0
INT 11					0
INT 12					0
Total	2	1	0	5	8

Special Notes

Bicycles From:	N	S	E	W	Total
INT 01					0
INT 02					0
INT 03					0
INT 04					0
INT 05					0
INT 06					0
INT 07					0
INT 08					0
INT 09					0
INT 10					0
INT 11					0
INT 12					0
Total	0	0	0	0	0



Prepared for: **SCJ Alliance**

Traffic Count Consultants, Inc.

Phone: (253) 770-1407 FAX: (253) 770-1411 E-Mail: Team@TC2inc.com

WBE/DBE

Intersection: N Shelton Springs Rd & Wallace-Kneeland Blvd

Date of Count: Tue 01/09/2024

Location: Shelton, Washington

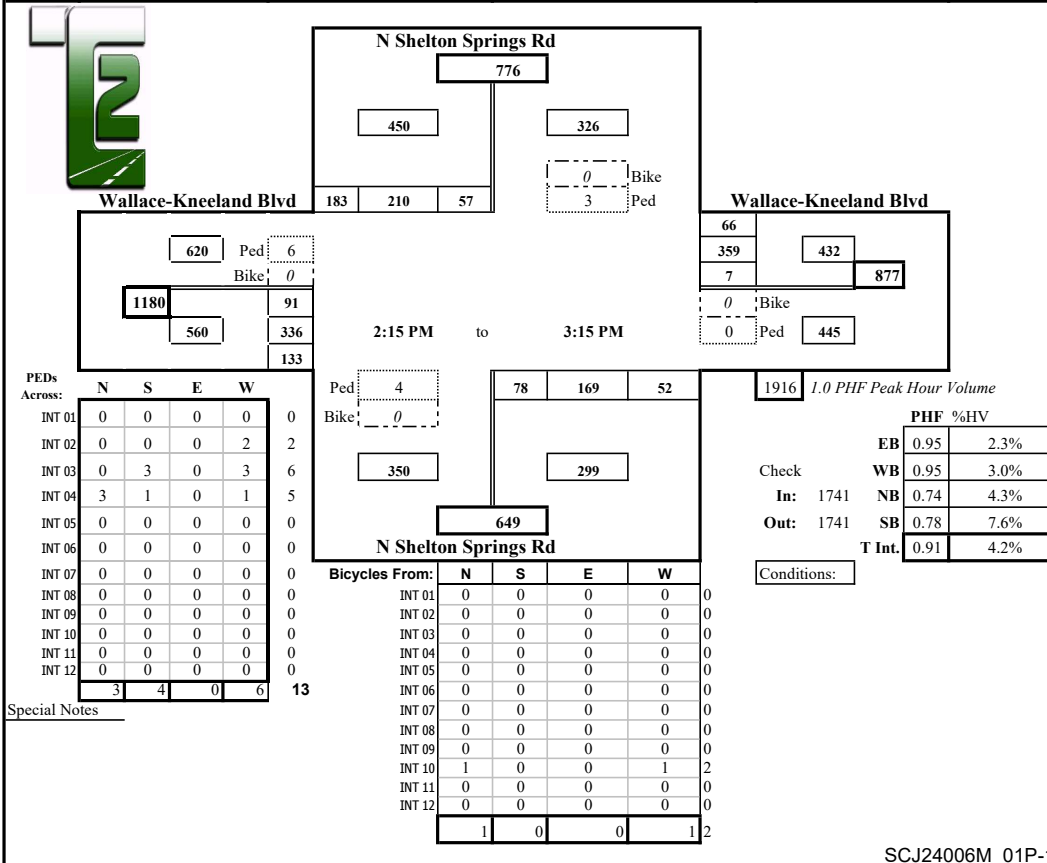
Checked By: Jen

Time Interval	From North on (SB) N Shelton Springs Rd				From South on (NB) N Shelton Springs Rd				From East on (WB) Wallace-Kneeland Blvd				From West on (EB) Wallace-Kneeland Blvd				Interval Total
	T	L	S	R	T	L	S	R	T	L	S	R	T	L	S	R	
2:15 P	5	15	21	16	5	22	37	1	3	0	64	14	2	24	73	37	324
2:30 P	3	10	59	38	6	20	65	3	6	2	83	26	6	28	79	29	442
2:45 P	24	20	77	47	1	16	46	4	2	1	96	17	1	31	74	38	467
3:00 P	2	15	41	61	6	28	35	38	2	2	98	13	4	16	96	36	479
3:15 P	5	12	33	37	0	14	23	7	3	2	82	10	2	16	87	30	353
3:30 P	8	13	38	32	3	18	31	34	4	4	75	15	2	28	84	42	414
3:45 P	4	15	32	28	2	22	28	38	3	2	91	8	2	32	104	27	427
4:00 P	1	9	29	20	1	25	47	1	4	0	88	18	3	21	110	34	402
4:15 P	1	8	31	26	2	29	28	0	4	2	79	19	0	26	101	21	370
4:30 P	2	8	31	27	3	20	37	1	10	0	97	17	1	31	117	40	426
4:45 P	1	9	33	27	2	23	35	2	6	0	83	14	5	33	89	31	379
5:00 P	1	11	21	31	2	26	31	0	3	0	77	11	3	39	94	25	366

Total Survey	57	145	446	390	33	263	443	129	50	15	1013	182	31	325	1108	390	4849
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Peak Hour: 2:15 PM to 3:15 PM																	
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Total	34	57	210	183	13	78	169	52	13	7	359	66	13	91	336	133	1741
Approach	450				299				432				560				1741
%HV	7.6%				4.3%				3.0%				2.3%				4.2%
PHF	0.78				0.74				0.95				0.95				0.91



PEDs Across:

	N	S	E	W	
INT 01	0	0	0	0	0
INT 02	0	0	0	2	2
INT 03	0	3	0	3	6
INT 04	3	1	0	1	5
INT 05	0	0	0	0	0
INT 06	0	0	0	0	0
INT 07	0	0	0	0	0
INT 08	0	0	0	0	0
INT 09	0	0	0	0	0
INT 10	0	0	0	0	0
INT 11	0	0	0	0	0
INT 12	0	0	0	0	0
	3	4	0	6	13

Bicycles From:

	N	S	E	W	
INT 01	0	0	0	0	0
INT 02	0	0	0	0	0
INT 03	0	0	0	0	0
INT 04	0	0	0	0	0
INT 05	0	0	0	0	0
INT 06	0	0	0	0	0
INT 07	0	0	0	0	0
INT 08	0	0	0	0	0
INT 09	0	0	0	0	0
INT 10	1	0	0	1	2
INT 11	0	0	0	0	0
INT 12	0	0	0	0	0
	1	0	0	1	2



Prepared for: **SCJ Alliance**

Traffic Count Consultants, Inc.

Phone: (253) 770-1407 FAX: (253) 770-1411 E-Mail: Team@TC2inc.com

WBE/DBE

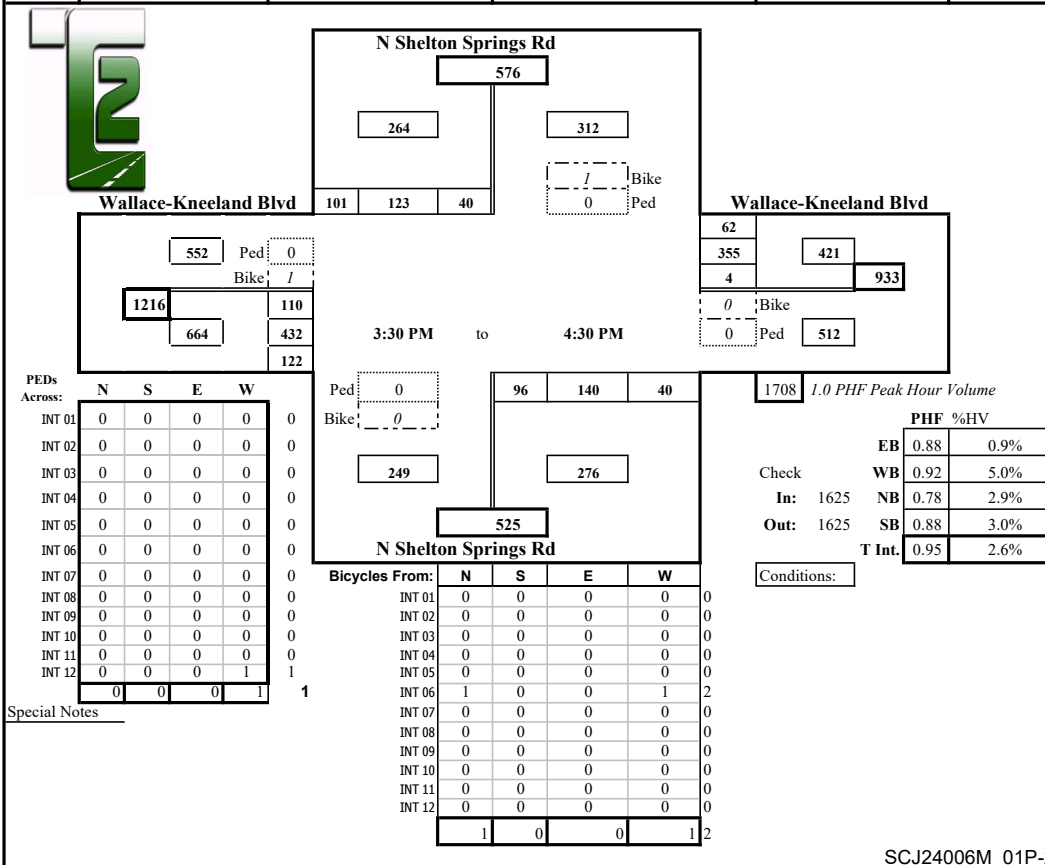
Intersection: N Shelton Springs Rd & Wallace-Kneeland Blvd

Date of Count: Tue 01/09/2024

Location: Shelton, Washington

Checked By: Jen

Time Interval	From North on (SB) N Shelton Springs Rd				From South on (NB) N Shelton Springs Rd				From East on (WB) Wallace-Kneeland Blvd				From West on (EB) Wallace-Kneeland Blvd				Interval Total
	T	L	S	R	T	L	S	R	T	L	S	R	T	L	S	R	
3:15 P	5	12	33	37	0	14	23	7	3	2	82	10	2	16	87	30	353
3:30 P	8	13	38	32	3	18	31	34	4	4	75	15	2	28	84	42	414
3:45 P	4	15	32	28	2	22	28	38	3	2	91	8	2	32	104	27	427
4:00 P	1	9	29	20	1	25	47	1	4	0	88	18	3	21	110	34	402
4:15 P	1	8	31	26	2	29	28	0	4	2	79	19	0	26	101	21	370
4:30 P	2	8	31	27	3	20	37	1	10	0	97	17	1	31	117	40	426
4:45 P	1	9	33	27	2	23	35	2	6	0	83	14	5	33	89	31	379
5:00 P	1	11	21	31	2	26	31	0	3	0	77	11	3	39	94	25	366
5:15 P	3	20	27	33	2	28	33	0	1	1	88	10	4	25	113	28	406
5:30 P	2	9	34	23	0	23	31	1	0	2	70	11	2	26	102	27	359
5:45 P	1	7	27	25	0	14	33	0	3	0	84	12	3	33	100	21	356
6:00 P	0	4	27	21	1	16	33	0	1	1	79	7	1	29	87	36	340
Total Survey	29	125	363	330	18	258	390	84	42	14	993	152	28	339	1188	362	4598
Peak Hour: 3:30 PM to 4:30 PM																	
Total	8	40	123	101	8	96	140	40	21	4	355	62	6	110	432	122	1625
Approach	264				276				421				664				1625
%HV	3.0%				2.9%				5.0%				0.9%				2.6%
PHF	0.88				0.78				0.92				0.88				0.95





Traffic Volume Calculation Worksheet

Wallace Kneeland Boulevard/Shelton Springs RD Intersection Study

PM Peak Hour Volumes

Growth Rate: 3.00%

Full Build Adjustment Rate: 16%

Intersection	Movement		Pipeline Volumes									
			Existing	Proposed	Olympic	Total	Background	Opening	Background	Future	Sensitivity	Sensitivity
			2024	Housing	Heights	Development	2025	2025	2044	2044		2044
			Volumes	Trips	Trips	Volumes	Growth	Volumes	Growth	Volumes	Pipeline	Volumes
1 Wallace Kneeland Blvd Shelton Springs Road TMC Date: 01/09/2024 Peak Hour: 2:15 - 3:15 PHF: 0.91	L	91	56	0	56	3	150	53	203	0	203	
	EB T	336	0	0	0	10	346	197	543	0	543	
	R	133	0	60	60	4	197	78	275	375	650	
	L	7	0	0	0	0	7	4	11	0	11	
	WB T	359	0	0	0	11	370	211	581	0	581	
	R	66	24	0	24	2	92	39	131	0	131	
	L	78	0	35	35	2	115	46	161	219	380	
	NB T	169	120	4	124	5	298	99	397	25	422	
	R	5	0	0	0	0	5	3	8	0	8	
	L	57	16	0	16	2	75	33	108	0	108	
SB T	210	72	6	78	6	294	123	418	38	455		
R	185	32	0	32	6	223	109	331	0	331		
		1,696		105	425	51	2,172	996	3,168	656	3,824	

Project Name: Wallace-Kneeland Blvd & Shelton Springs Rd Traffic Signal

Client Name: SCJ Alliance

SCJ Project No.: 23-001192

Estimate Level: Concept

Date: 3/12/2024



BID ITEM NO.	WSDOT STD ITEM NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	TOTAL QUANTITY	Schedule A Roadway	TOTAL
PREPARATION							
1	0001	MOBILIZATION	L.S.	\$ 100,000.00	1.0	1.0	\$ 100,000
2	0035	CLEARING AND GRUBBING	L.S.	\$ 10,000.00	1.0	1.0	\$ 10,000
3	0050	REMOVAL OF STRUCTURES AND OBSTRUCTIONS	L.S.	\$ 5,000.00	1.0	1.0	\$ 5,000
4	0215	REMOVING MISCELLANEOUS TRAFFIC ITEM	L.S.	\$ 2,500.00	1.0	1.0	\$ 2,500
Subtotal:						\$117,500	\$ 117,500
GRADING							
5	0310	ROADWAY EXCAVATION INCL. HAUL	C.Y.	\$ 40.00	760.0	760.0	\$ 30,400
6	0470	EMBANKMENT COMPACTION	C.Y.	\$ 20.00	190.0	190.0	\$ 3,800
7	NS-150	POND EXCAVATION	C.Y.	\$ 35.00	315.0	315.0	\$ 11,025
Subtotal:						\$45,225	\$ 45,225
STORM SEWER							
8	3091	CATCH BASIN TYPE 1	EACH	\$ 2,000.00	6.0	6.0	\$ 12,000
9	3105	CATCH BASIN TYPE 2 48 IN. DIAM.	EACH	\$ 5,000.00	1.0	1.0	\$ 5,000
10	3541	SCHEDULE A STORM SEWER PIPE 12 IN. DIAM.	L.F.	\$ 75.00	850.0	850.0	\$ 63,750
Subtotal:						\$80,750	\$ 80,750
SURFACING							
11	5100	CRUSHED SURFACING BASE COURSE	TON	\$ 35.00	830.0	830.0	\$ 29,050
Subtotal:						\$29,050	\$ 29,050
HOT MIX ASPHALT							
12	5767	HMA CL. 1/2 IN. PG 58H-22	TON	\$ 150.00	750.0	750.0	\$ 112,500
Subtotal:						\$112,500	\$ 112,500
EROSION CONTROL AND ROADSIDE PLANTING							
13	6488	EROSION CONTROL AND WATER POLLUTION PREVENTION	L.S.	\$ 20,000.00	1.0	1.0	\$ 20,000
14	6391	TOPSOIL TYPE A	S.Y.	\$ 30.00	230.0	230.0	\$ 6,900
Subtotal:						\$26,900	\$ 26,900
TRAFFIC							
15	6807	PLASTIC LINE	L.F.	\$ 5.00	1500.0	1500.0	\$ 7,500
16	6857	PLASTIC CROSSWALK LINE	S.F.	\$ 11.00	440.0	440.0	\$ 4,840
17	6859	PLASTIC STOP LINE	L.F.	\$ 22.00	60.0	60.0	\$ 1,320
18	6833	PLASTIC TRAFFIC ARROW	EACH	\$ 500.00	2.0	2.0	\$ 1,000
19	6890	PERMANENT SIGNING	L.S.	\$ 3,000.00	1.0	1.0	\$ 3,000
20	6904	ILLUMINATION SYSTEM	L.S.	\$ 105,000.00	1.0	1.0	\$ 105,000
21	6912	TRAFFIC SIGNAL SYSTEM	L.S.	\$ 300,000.00	1.0	1.0	\$ 300,000
22	6971	PROJECT TEMPORARY TRAFFIC CONTROL	L.S.	\$ 100,000.00	1.0	1.0	\$ 100,000
Subtotal:						\$522,660	\$ 522,660
OTHER ITEMS							
23	7055	CEMENT CONC. SIDEWALK	S.Y.	\$ 105.00	640.0	640.0	\$ 67,200
24	7058	CEMENT CONC. CURB RAMP TYPE PARALLEL A	EACH	\$ 2,500.00	8.0	8.0	\$ 20,000
25	NS-892	ADA FEATURES SURVEYING	L.S.	\$ 5,000.00	1.0	1.0	\$ 5,000
Subtotal:						\$92,200	\$ 92,200

Subtotal Construction:	\$1,026,785	\$	1,026,785
Contingency @ 20%	\$205,357	\$	205,357
TOTAL CONSTRUCTION:	\$1,232,142	\$	1,232,142
Preliminary Engineering (PE) @ 12%	\$147,857	\$	147,857
Construction Management (CM) @ 12%	\$147,857	\$	147,857
SCHEDULE COST TOTALS:	\$1,527,856	\$	1,527,856
TOTAL PROJECT COST:	\$	\$	1,527,856

Lanes, Volumes, Timings
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Existing 2024
 Timing Plan: PM Peak Hour

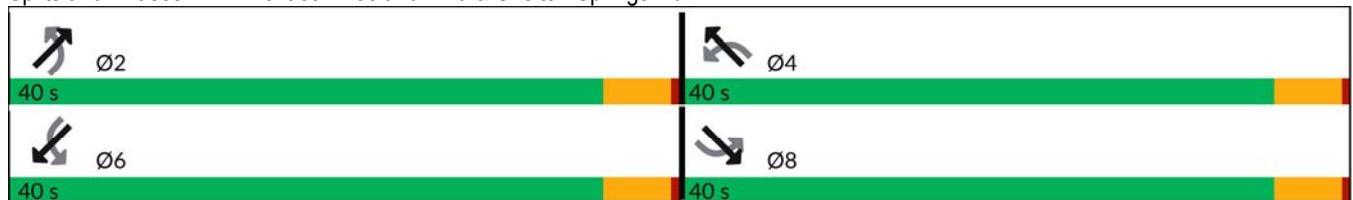


Lane Group	SEL	SET	NWL	NWT	NEL	NET	SWL	SWT
Lane Configurations								
Traffic Volume (vph)	55	210	80	170	90	335	5	360
Future Volume (vph)	55	210	80	170	90	335	5	360
Turn Type	Perm	NA	Perm	NA	Perm	NA	Perm	NA
Protected Phases		8		4		2		6
Permitted Phases	8		4		2		6	
Detector Phase	8	8	4	4	2	2	6	6
Switch Phase								
Minimum Initial (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Minimum Split (s)	27.5	27.5	27.5	27.5	24.5	24.5	24.5	24.5
Total Split (s)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Total Split (%)	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
Maximum Green (s)	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
Yellow Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
All-Red Time (s)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag								
Lead-Lag Optimize?								
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Minimum Gap (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Time Before Reduce (s)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Time To Reduce (s)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Recall Mode	None	None	None	None	Min	Min	Min	Min
Walk Time (s)	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Flash Dont Walk (s)	15.0	15.0	15.0	15.0	12.0	12.0	12.0	12.0
Pedestrian Calls (#/hr)	0	0	0	0	0	0	0	0

Intersection Summary

Cycle Length: 80
 Actuated Cycle Length: 44.2
 Natural Cycle: 55
 Control Type: Actuated-Uncoordinated

Splits and Phases: 1: Wallace Kneeland Blvd & Shelton Springs Rd



HCM 7th Signalized Intersection Summary
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Existing 2024
 Timing Plan: PM Peak Hour



Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (veh/h)	55	210	185	80	170	5	90	335	135	5	360	65
Future Volume (veh/h)	55	210	185	80	170	5	90	335	135	5	360	65
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1781	1781	1781	1841	1841	1841	1870	1870	1870	1856	1856	1856
Adj Flow Rate, veh/h	60	231	203	88	187	5	99	368	148	5	396	71
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	8	8	8	4	4	4	2	2	2	3	3	3
Cap, veh/h	510	335	295	309	684	18	359	1044	414	436	643	115
Arrive On Green	0.38	0.38	0.38	0.38	0.38	0.38	0.42	0.42	0.42	0.42	0.42	0.42
Sat Flow, veh/h	1134	875	769	939	1784	48	926	2485	985	878	1532	275
Grp Volume(v), veh/h	60	0	434	88	0	192	99	262	254	5	0	467
Grp Sat Flow(s),veh/h/ln	1134	0	1643	939	0	1832	926	1777	1693	878	0	1806
Q Serve(g_s), s	1.8	0.0	10.1	4.0	0.0	3.3	4.3	4.6	4.7	0.2	0.0	9.3
Cycle Q Clear(g_c), s	5.1	0.0	10.1	14.1	0.0	3.3	13.5	4.6	4.7	4.9	0.0	9.3
Prop In Lane	1.00		0.47	1.00		0.03	1.00		0.58	1.00		0.15
Lane Grp Cap(c), veh/h	510	0	630	309	0	702	359	746	711	436	0	759
V/C Ratio(X)	0.12	0.00	0.69	0.28	0.00	0.27	0.28	0.35	0.36	0.01	0.00	0.62
Avail Cap(c_a), veh/h	955	0	1274	678	0	1421	688	1378	1313	748	0	1401
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	11.5	0.0	11.8	17.7	0.0	9.7	15.7	9.0	9.1	10.7	0.0	10.4
Incr Delay (d2), s/veh	0.1	0.0	1.4	0.5	0.0	0.2	0.4	0.3	0.3	0.0	0.0	0.8
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.4	0.0	3.2	0.8	0.0	1.1	0.8	1.4	1.4	0.0	0.0	3.0
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	11.6	0.0	13.2	18.2	0.0	9.9	16.1	9.3	9.4	10.7	0.0	11.2
LnGrp LOS	B		B	B		A	B	A	A	B		B
Approach Vol, veh/h		494			280			615			472	
Approach Delay, s/veh		13.0			12.5			10.4			11.2	
Approach LOS		B			B			B			B	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		23.7		22.0		23.7		22.0				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		35.5		35.5		35.5		35.5				
Max Q Clear Time (g_c+I1), s		15.5		16.1		11.3		12.1				
Green Ext Time (p_c), s		3.7		1.4		3.2		3.2				
Intersection Summary												
HCM 7th Control Delay, s/veh			11.6									
HCM 7th LOS			B									

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SE	SE	NW	NW	NE	NE	NE	SW	SW
Directions Served	L	TR	L	TR	L	T	TR	L	TR
Maximum Queue (ft)	100	258	120	126	107	136	112	27	222
Average Queue (ft)	36	124	47	60	46	71	46	2	110
95th Queue (ft)	86	221	92	105	84	121	90	13	192
Link Distance (ft)		689		646		391	391		622
Upstream Blk Time (%)									
Queuing Penalty (veh)									
Storage Bay Dist (ft)	75		225		175		150		
Storage Blk Time (%)	1	17				0		2	
Queuing Penalty (veh)	2	9				0		0	

Network Summary

Network wide Queuing Penalty: 11

Lanes, Volumes, Timings
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Projected 2025
 Timing Plan: PM Peak Hour

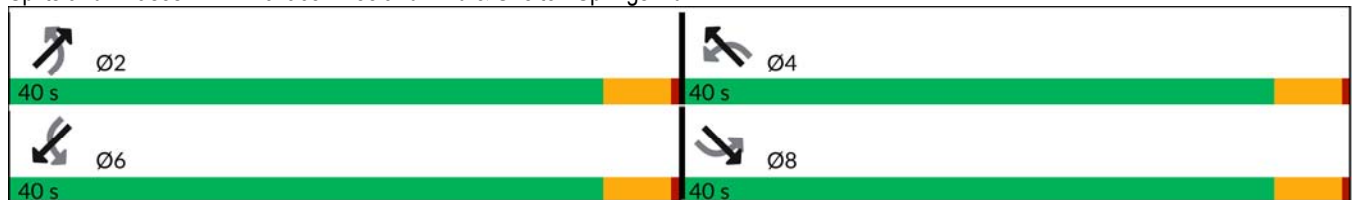


Lane Group	SEL	SET	NWL	NWT	NEL	NET	SWL	SWT
Lane Configurations								
Traffic Volume (vph)	75	295	115	300	150	345	5	370
Future Volume (vph)	75	295	115	300	150	345	5	370
Turn Type	Perm	NA	Perm	NA	Perm	NA	Perm	NA
Protected Phases		8		4		2		6
Permitted Phases	8		4		2		6	
Detector Phase	8	8	4	4	2	2	6	6
Switch Phase								
Minimum Initial (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Minimum Split (s)	27.5	27.5	27.5	27.5	24.5	24.5	24.5	24.5
Total Split (s)	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
Total Split (%)	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%	50.0%
Maximum Green (s)	35.5	35.5	35.5	35.5	35.5	35.5	35.5	35.5
Yellow Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
All-Red Time (s)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag								
Lead-Lag Optimize?								
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Minimum Gap (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Time Before Reduce (s)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Time To Reduce (s)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Recall Mode	None	None	None	None	Min	Min	Min	Min
Walk Time (s)	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Flash Dont Walk (s)	15.0	15.0	15.0	15.0	12.0	12.0	12.0	12.0
Pedestrian Calls (#/hr)	0	0	0	0	0	0	0	0

Intersection Summary

Cycle Length: 80
 Actuated Cycle Length: 58.5
 Natural Cycle: 55
 Control Type: Actuated-Uncoordinated

Splits and Phases: 1: Wallace Kneeland Blvd & Shelton Springs Rd



HCM 7th Signalized Intersection Summary
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Projected 2025
 Timing Plan: PM Peak Hour



Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (veh/h)	75	295	225	115	300	5	150	345	195	5	370	90
Future Volume (veh/h)	75	295	225	115	300	5	150	345	195	5	370	90
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1781	1781	1781	1841	1841	1841	1870	1870	1870	1856	1856	1856
Adj Flow Rate, veh/h	82	324	247	126	330	5	165	379	214	5	407	99
Peak Hour Factor	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91	0.91
Percent Heavy Veh, %	8	8	8	4	4	4	2	2	2	3	3	3
Cap, veh/h	416	422	321	223	813	12	283	961	535	351	629	153
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.44	0.44	0.44	0.44	0.44	0.44
Sat Flow, veh/h	996	938	715	828	1808	27	893	2202	1225	818	1442	351
Grp Volume(v), veh/h	82	0	571	126	0	335	165	305	288	5	0	506
Grp Sat Flow(s),veh/h/ln	996	0	1653	828	0	1836	893	1777	1650	818	0	1792
Q Serve(g_s), s	4.8	0.0	22.9	11.9	0.0	9.7	14.1	9.2	9.4	0.3	0.0	17.5
Cycle Q Clear(g_c), s	14.5	0.0	22.9	34.9	0.0	9.7	31.6	9.2	9.4	9.8	0.0	17.5
Prop In Lane	1.00		0.43	1.00		0.01	1.00		0.74	1.00		0.20
Lane Grp Cap(c), veh/h	416	0	743	223	0	825	283	776	720	351	0	782
V/C Ratio(X)	0.20	0.00	0.77	0.57	0.00	0.41	0.58	0.39	0.40	0.01	0.00	0.65
Avail Cap(c_a), veh/h	416	0	743	223	0	825	295	799	742	361	0	806
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	19.5	0.0	18.3	32.9	0.0	14.6	29.9	15.1	15.2	18.5	0.0	17.5
Incr Delay (d2), s/veh	0.2	0.0	4.9	3.3	0.0	0.3	2.7	0.3	0.4	0.0	0.0	1.7
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	1.1	0.0	9.0	2.5	0.0	3.8	3.1	3.5	3.4	0.1	0.0	7.1
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	19.7	0.0	23.2	36.3	0.0	15.0	32.6	15.5	15.6	18.5	0.0	19.2
LnGrp LOS	B		C	D		B	C	B	B	B		B
Approach Vol, veh/h		653			461			758			511	
Approach Delay, s/veh		22.7			20.8			19.2			19.2	
Approach LOS		C			C			B			B	
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		39.0		40.0		39.0		40.0				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		35.5		35.5		35.5		35.5				
Max Q Clear Time (g_c+I1), s		33.6		36.9		19.5		24.9				
Green Ext Time (p_c), s		0.9		0.0		3.1		3.2				
Intersection Summary												
HCM 7th Control Delay, s/veh			20.5									
HCM 7th LOS			C									

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SE	SE	NW	NW	NE	NE	NE	SW	SW
Directions Served	L	TR	L	TR	L	T	TR	L	TR
Maximum Queue (ft)	100	454	233	397	185	266	269	27	312
Average Queue (ft)	47	230	133	198	111	115	90	3	156
95th Queue (ft)	105	412	263	517	196	252	198	16	254
Link Distance (ft)		689		646		391	391		622
Upstream Blk Time (%)		0		7		1	0		
Queuing Penalty (veh)		0		0		0	0		
Storage Bay Dist (ft)	75		225		175		150		
Storage Blk Time (%)	4	36	20	1	11	0			8
Queuing Penalty (veh)	20	27	60	1	19	0			0

Network Summary

Network wide Queuing Penalty: 127

Lanes, Volumes, Timings
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Projected 2044
 Timing Plan: PM Peak Hour

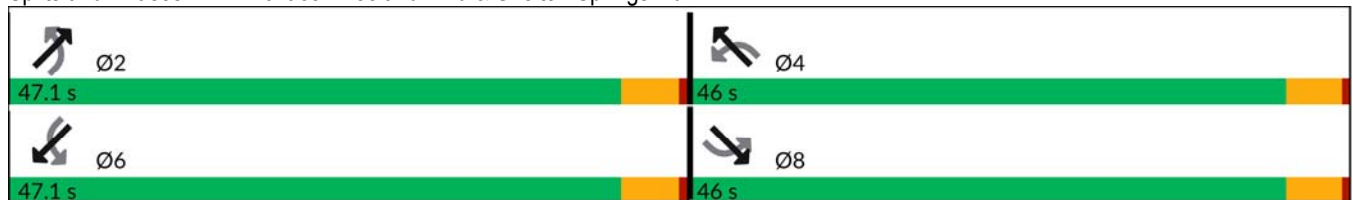


Lane Group	SEL	SET	NWL	NWT	NEL	NET	SWL	SWT
Lane Configurations								
Traffic Volume (vph)	110	420	160	395	205	545	10	580
Future Volume (vph)	110	420	160	395	205	545	10	580
Turn Type	Perm	NA	Perm	NA	Perm	NA	Perm	NA
Protected Phases		8		4		2		6
Permitted Phases	8		4		2		6	
Detector Phase	8	8	4	4	2	2	6	6
Switch Phase								
Minimum Initial (s)	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
Minimum Split (s)	27.5	27.5	27.5	27.5	24.5	24.5	24.5	24.5
Total Split (s)	46.0	46.0	46.0	46.0	47.1	47.1	47.1	47.1
Total Split (%)	49.4%	49.4%	49.4%	49.4%	50.6%	50.6%	50.6%	50.6%
Maximum Green (s)	41.5	41.5	41.5	41.5	42.6	42.6	42.6	42.6
Yellow Time (s)	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
All-Red Time (s)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag								
Lead-Lag Optimize?								
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Minimum Gap (s)	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Time Before Reduce (s)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Time To Reduce (s)	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Recall Mode	None	None	None	None	Min	Min	Min	Min
Walk Time (s)	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
Flash Dont Walk (s)	15.0	15.0	15.0	15.0	12.0	12.0	12.0	12.0
Pedestrian Calls (#/hr)	0	0	0	0	0	0	0	0

Intersection Summary

Cycle Length: 93.1
 Actuated Cycle Length: 93.1
 Natural Cycle: 55
 Control Type: Actuated-Uncoordinated

Splits and Phases: 1: Wallace Kneeland Blvd & Shelton Springs Rd



HCM 7th Signalized Intersection Summary
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Projected 2044
 Timing Plan: PM Peak Hour



Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (veh/h)	110	420	330	160	395	10	205	545	275	10	580	130
Future Volume (veh/h)	110	420	330	160	395	10	205	545	275	10	580	130
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1781	1781	1781	1841	1841	1841	1870	1870	1870	1856	1856	1856
Adj Flow Rate, veh/h	116	442	347	168	416	11	216	574	289	11	611	137
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	8	8	8	4	4	4	2	2	2	3	3	3
Cap, veh/h	331	412	324	77	796	21	128	1047	527	253	671	151
Arrive On Green	0.45	0.45	0.45	0.45	0.45	0.45	0.46	0.46	0.46	0.46	0.46	0.46
Sat Flow, veh/h	915	925	726	676	1785	47	713	2289	1151	636	1467	329
Grp Volume(v), veh/h	116	0	789	168	0	427	216	445	418	11	0	748
Grp Sat Flow(s),veh/h/ln	915	0	1651	676	0	1832	713	1777	1663	636	0	1796
Q Serve(g_s), s	9.8	0.0	41.5	0.0	0.0	15.7	6.6	16.9	16.9	1.2	0.0	36.0
Cycle Q Clear(g_c), s	25.4	0.0	41.5	41.5	0.0	15.7	42.6	16.9	16.9	18.1	0.0	36.0
Prop In Lane	1.00		0.44	1.00		0.03	1.00		0.69	1.00		0.18
Lane Grp Cap(c), veh/h	331	0	736	77	0	817	128	813	761	253	0	822
V/C Ratio(X)	0.35	0.00	1.07	2.17	0.00	0.52	1.69	0.55	0.55	0.04	0.00	0.91
Avail Cap(c_a), veh/h	331	0	736	77	0	817	128	813	761	253	0	822
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	27.8	0.0	25.8	46.5	0.0	18.6	45.3	18.3	18.3	24.8	0.0	23.5
Incr Delay (d2), s/veh	0.6	0.0	54.3	567.6	0.0	0.6	342.7	0.8	0.8	0.1	0.0	14.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.2	0.0	26.3	14.0	0.0	6.5	15.1	6.8	6.4	0.2	0.0	17.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	28.5	0.0	80.1	614.2	0.0	19.3	387.9	19.1	19.1	24.9	0.0	37.6
LnGrp LOS	C		F	F		B	F	B	B	C		D
Approach Vol, veh/h		905			595			1079				759
Approach Delay, s/veh		73.4			187.2			92.9				37.4
Approach LOS		E			F			F				D
Timer - Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		47.1		46.0		47.1		46.0				
Change Period (Y+Rc), s		4.5		4.5		4.5		4.5				
Max Green Setting (Gmax), s		42.6		41.5		42.6		41.5				
Max Q Clear Time (g_c+I1), s		44.6		43.5		38.0		43.5				
Green Ext Time (p_c), s		0.0		0.0		2.2		0.0				
Intersection Summary												
HCM 7th Control Delay, s/veh			91.8									
HCM 7th LOS			F									

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SE	SE	NW	NW	NE	NE	NE	SW	SW
Directions Served	L	TR	L	TR	L	T	TR	L	TR
Maximum Queue (ft)	100	750	250	694	200	418	420	144	625
Average Queue (ft)	61	717	246	662	196	403	223	10	441
95th Queue (ft)	128	773	259	684	205	418	498	67	718
Link Distance (ft)		689		646		391	391		622
Upstream Blk Time (%)		70		97		99	2		15
Queuing Penalty (veh)		0		0		0	0		0
Storage Bay Dist (ft)	75		225		175			150	
Storage Blk Time (%)	5	57	97	7	100	0			45
Queuing Penalty (veh)	35	63	393	12	272	1			5

Network Summary

Network wide Queuing Penalty: 780

Lanes, Volumes, Timings
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Projected 2044 with Improvements
 Timing Plan: PM Peak Hour

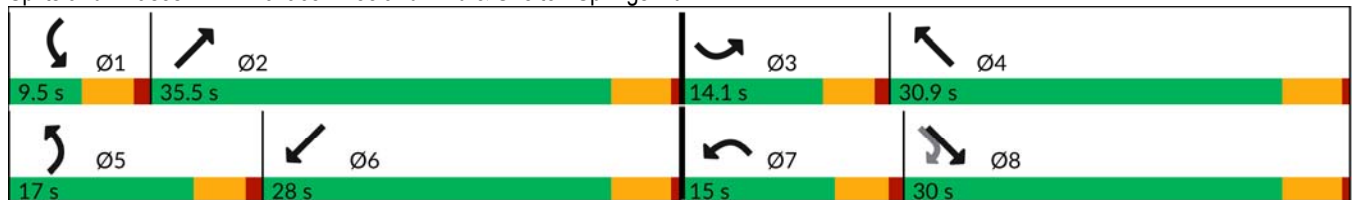


Lane Group	SEL	SET	SER	NWL	NWT	NEL	NET	SWL	SWT
Lane Configurations									
Traffic Volume (vph)	110	420	330	160	395	205	545	10	580
Future Volume (vph)	110	420	330	160	395	205	545	10	580
Turn Type	Prot	NA	Perm	Prot	NA	Prot	NA	Prot	NA
Protected Phases	3	8		7	4	5	2	1	6
Permitted Phases			8						
Detector Phase	3	8	8	7	4	5	2	1	6
Switch Phase									
Minimum Initial (s)	5.0	6.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0
Minimum Split (s)	9.5	27.5	27.5	9.5	27.5	9.5	24.5	9.5	24.5
Total Split (s)	14.1	30.0	30.0	15.0	30.9	17.0	35.5	9.5	28.0
Total Split (%)	15.7%	33.3%	33.3%	16.7%	34.3%	18.9%	39.4%	10.6%	31.1%
Maximum Green (s)	9.6	25.5	25.5	10.5	26.4	12.5	31.0	5.0	23.5
Yellow Time (s)	3.5	4.0	4.0	3.5	4.0	3.5	4.0	3.5	4.0
All-Red Time (s)	1.0	0.5	0.5	1.0	0.5	1.0	0.5	1.0	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Minimum Gap (s)	3.0	2.0	2.0	3.0	2.0	3.0	2.0	3.0	2.0
Time Before Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0
Time To Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0
Recall Mode	None	None	None	None	None	None	Min	None	Min
Walk Time (s)		8.0	8.0		8.0		8.0		8.0
Flash Dont Walk (s)		15.0	15.0		15.0		12.0		12.0
Pedestrian Calls (#/hr)		0	0		0		0		0

Intersection Summary

Cycle Length: 90
 Actuated Cycle Length: 86.9
 Natural Cycle: 90
 Control Type: Actuated-Uncoordinated

Splits and Phases: 1: Wallace Kneeland Blvd & Shelton Springs Rd



HCM 7th Signalized Intersection Summary
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Projected 2044 with Improvements
 Timing Plan: PM Peak Hour



Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (veh/h)	110	420	330	160	395	10	205	545	275	10	580	130
Future Volume (veh/h)	110	420	330	160	395	10	205	545	275	10	580	130
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1781	1781	1781	1841	1841	1841	1870	1870	1870	1856	1856	1856
Adj Flow Rate, veh/h	116	442	347	168	416	11	216	574	289	11	611	137
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	8	8	8	4	4	4	2	2	2	3	3	3
Cap, veh/h	145	496	421	203	551	15	252	866	435	24	715	160
Arrive On Green	0.09	0.28	0.28	0.12	0.31	0.31	0.14	0.38	0.38	0.01	0.25	0.25
Sat Flow, veh/h	1697	1781	1510	1753	1785	47	1781	2289	1151	1767	2862	641
Grp Volume(v), veh/h	116	442	347	168	0	427	216	445	418	11	376	372
Grp Sat Flow(s),veh/h/ln	1697	1781	1510	1753	0	1832	1781	1777	1663	1767	1763	1740
Q Serve(g_s), s	5.6	20.0	18.1	7.9	0.0	17.7	10.0	17.5	17.5	0.5	17.1	17.2
Cycle Q Clear(g_c), s	5.6	20.0	18.1	7.9	0.0	17.7	10.0	17.5	17.5	0.5	17.1	17.2
Prop In Lane	1.00		1.00	1.00		0.03	1.00		0.69	1.00		0.37
Lane Grp Cap(c), veh/h	145	496	421	203	0	566	252	672	629	24	441	435
V/C Ratio(X)	0.80	0.89	0.82	0.83	0.00	0.75	0.86	0.66	0.66	0.46	0.85	0.86
Avail Cap(c_a), veh/h	194	540	458	219	0	575	265	672	629	105	493	486
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	37.7	29.1	28.4	36.4	0.0	26.2	35.2	21.7	21.7	41.2	30.1	30.1
Incr Delay (d2), s/veh	15.8	15.9	11.0	21.5	0.0	5.5	22.3	2.4	2.6	13.3	12.5	12.9
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	10.4	7.6	4.5	0.0	8.3	5.8	7.4	6.9	0.3	8.5	8.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	53.5	45.0	39.4	57.8	0.0	31.7	57.6	24.1	24.3	54.5	42.6	43.0
LnGrp LOS	D	D	D	E		C	E	C	C	D	D	D
Approach Vol, veh/h		905			595			1079			759	
Approach Delay, s/veh		43.9			39.1			30.9			43.0	
Approach LOS		D			D			C			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	5.6	36.3	11.7	30.5	16.4	25.5	14.2	27.9				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	5.0	31.0	9.6	26.4	12.5	23.5	10.5	25.5				
Max Q Clear Time (g_c+I1), s	2.5	19.5	7.6	19.7	12.0	19.2	9.9	22.0				
Green Ext Time (p_c), s	0.0	4.4	0.0	1.5	0.0	1.9	0.0	1.4				
Intersection Summary												
HCM 7th Control Delay, s/veh			38.6									
HCM 7th LOS			D									

Queuing and Blocking Report
 Projected 2044 with Improvements

02/28/2024

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SE	SE	SE	NW	NW	NE	NE	NE	SW	SW	SW
Directions Served	L	T	R	L	TR	L	T	TR	L	T	TR
Maximum Queue (ft)	100	737	175	249	442	199	328	341	174	274	248
Average Queue (ft)	81	641	164	122	218	131	152	153	19	191	148
95th Queue (ft)	120	875	215	230	378	213	271	274	87	261	230
Link Distance (ft)		676			646		378	378		622	622
Upstream Blk Time (%)		46					0	0			
Queuing Penalty (veh)		0					0	0			
Storage Bay Dist (ft)	75		150	225		175			150		
Storage Blk Time (%)	26	55	4	1	8	8	2			20	
Queuing Penalty (veh)	192	242	22	2	13	22	3			2	

Network Summary

Network wide Queuing Penalty: 498



Lane Group	SEL	SET	SER	NWL	NWT	NEL	NET	SWL	SWT
Lane Configurations									
Traffic Volume (vph)	110	420	330	160	395	205	545	10	580
Future Volume (vph)	110	420	330	160	395	205	545	10	580
Turn Type	Prot	NA	Perm	Prot	NA	Prot	NA	Prot	NA
Protected Phases	3	8		7	4	5	2	1	6
Permitted Phases			8						
Detector Phase	3	8	8	7	4	5	2	1	6
Switch Phase									
Minimum Initial (s)	5.0	6.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0
Minimum Split (s)	9.5	27.5	27.5	9.5	27.5	9.5	24.5	9.5	24.5
Total Split (s)	13.0	27.5	27.5	16.0	30.5	18.0	37.0	9.5	28.5
Total Split (%)	14.4%	30.6%	30.6%	17.8%	33.9%	20.0%	41.1%	10.6%	31.7%
Maximum Green (s)	8.5	23.0	23.0	11.5	26.0	13.5	32.5	5.0	24.0
Yellow Time (s)	3.5	4.0	4.0	3.5	4.0	3.5	4.0	3.5	4.0
All-Red Time (s)	1.0	0.5	0.5	1.0	0.5	1.0	0.5	1.0	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Minimum Gap (s)	3.0	2.0	2.0	3.0	2.0	3.0	2.0	3.0	2.0
Time Before Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0
Time To Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0
Recall Mode	None	None	None	None	None	None	Min	None	Min
Walk Time (s)		8.0	8.0		8.0		8.0		8.0
Flash Dont Walk (s)		15.0	15.0		15.0		12.0		12.0
Pedestrian Calls (#/hr)		0	0		0		0		0

Intersection Summary

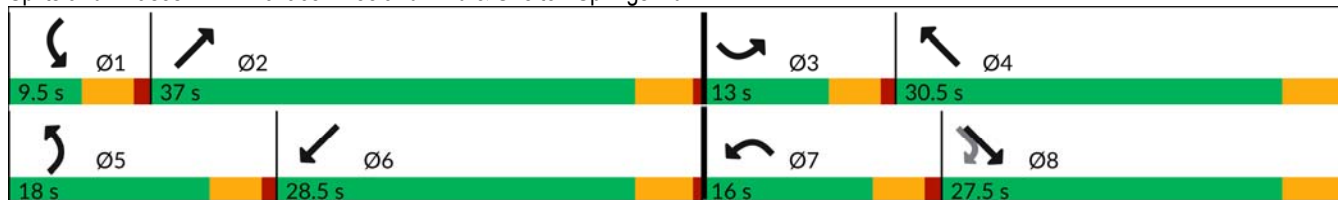
Cycle Length: 90

Actuated Cycle Length: 84.3

Natural Cycle: 90

Control Type: Actuated-Uncoordinated























Splits and Phases: 1: Wallace Kneeland Blvd & Shelton Springs Rd



HCM 7th Signalized Intersection Summary
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Projected 2044 with Additional Improvements

Timing Plan: PM Peak Hour

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (veh/h)	110	420	330	160	395	10	205	545	275	10	580	130
Future Volume (veh/h)	110	420	330	160	395	10	205	545	275	10	580	130
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1781	1781	1781	1841	1841	1841	1870	1870	1870	1856	1856	1856
Adj Flow Rate, veh/h	116	442	347	168	416	11	216	574	289	11	611	137
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	8	8	8	4	4	4	2	2	2	3	3	3
Cap, veh/h	145	886	395	204	523	14	255	882	444	24	731	164
Arrive On Green	0.09	0.26	0.26	0.12	0.29	0.29	0.14	0.39	0.39	0.01	0.26	0.26
Sat Flow, veh/h	1697	3385	1510	1753	1785	47	1781	2289	1151	1767	2862	641
Grp Volume(v), veh/h	116	442	347	168	0	427	216	445	418	11	376	372
Grp Sat Flow(s),veh/h/ln	1697	1692	1510	1753	0	1832	1781	1777	1663	1767	1763	1740
Q Serve(g_s), s	5.4	9.0	17.8	7.6	0.0	17.4	9.6	16.6	16.6	0.5	16.3	16.4
Cycle Q Clear(g_c), s	5.4	9.0	17.8	7.6	0.0	17.4	9.6	16.6	16.6	0.5	16.3	16.4
Prop In Lane	1.00		1.00	1.00		0.03	1.00		0.69	1.00		0.37
Lane Grp Cap(c), veh/h	145	886	395	204	0	537	255	685	641	24	450	445
V/C Ratio(X)	0.80	0.50	0.88	0.82	0.00	0.80	0.85	0.65	0.65	0.46	0.83	0.84
Avail Cap(c_a), veh/h	179	964	430	250	0	590	298	715	669	109	524	517
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	36.3	25.3	28.6	34.9	0.0	26.3	33.7	20.4	20.4	39.6	28.5	28.5
Incr Delay (d2), s/veh	18.6	0.4	17.4	16.4	0.0	6.9	17.6	2.0	2.1	13.1	9.9	10.2
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.9	3.5	8.1	4.1	0.0	8.3	5.3	6.9	6.5	0.3	7.8	7.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	54.9	25.8	46.0	51.3	0.0	33.2	51.3	22.4	22.5	52.7	38.4	38.7
LnGrp LOS	D	C	D	D		C	D	C	C	D	D	D
Approach Vol, veh/h		905			595			1079			759	
Approach Delay, s/veh		37.3			38.3			28.2			38.7	
Approach LOS		D			D			C			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	5.6	35.6	11.4	28.2	16.1	25.1	13.9	25.6				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	5.0	32.5	8.5	26.0	13.5	24.0	11.5	23.0				
Max Q Clear Time (g_c+I1), s	2.5	18.6	7.4	19.4	11.6	18.4	9.6	19.8				
Green Ext Time (p_c), s	0.0	4.9	0.0	1.4	0.1	2.3	0.1	1.3				
Intersection Summary												
HCM 7th Control Delay, s/veh			34.9									
HCM 7th LOS			C									

Queuing and Blocking Report
 Projected 2044 with Additional Improvements

02/28/2024

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SE	SE	SE	SE	NW	NW	NE	NE	NE	SW	SW	SW
Directions Served	L	T	T	R	L	TR	L	T	TR	L	T	TR
Maximum Queue (ft)	100	295	236	169	250	421	197	290	272	94	300	255
Average Queue (ft)	80	170	110	88	120	215	123	132	137	12	183	145
95th Queue (ft)	120	271	223	147	222	368	193	238	237	56	267	229
Link Distance (ft)		674	674			646		366	366		622	622
Upstream Blk Time (%)								0				
Queuing Penalty (veh)								0				
Storage Bay Dist (ft)	75			150	225		175			150		
Storage Blk Time (%)	22	30	1	1	0	9	4	1			16	
Queuing Penalty (veh)	45	33	2	2	1	14	11	2			2	

Network Summary

Network wide Queuing Penalty: 112

Lanes, Volumes, Timings
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Projected 2044 - Sensitivity
 Timing Plan: PM Peak Hour

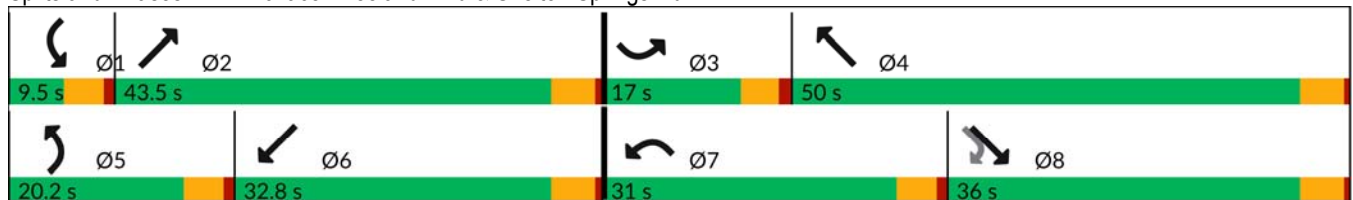


Lane Group	SEL	SET	SER	NWL	NWT	NEL	NET	SWL	SWT
Lane Configurations	↩	↑	↪	↩	↑	↪	↕	↩	↕
Traffic Volume (vph)	110	455	330	380	420	205	545	10	580
Future Volume (vph)	110	455	330	380	420	205	545	10	580
Turn Type	Prot	NA	Perm	Prot	NA	Prot	NA	Prot	NA
Protected Phases	3	8		7	4	5	2	1	6
Permitted Phases			8						
Detector Phase	3	8	8	7	4	5	2	1	6
Switch Phase									
Minimum Initial (s)	5.0	6.0	6.0	5.0	6.0	5.0	6.0	5.0	6.0
Minimum Split (s)	9.5	27.5	27.5	9.5	27.5	9.5	24.5	9.5	24.5
Total Split (s)	17.0	36.0	36.0	31.0	50.0	20.2	43.5	9.5	32.8
Total Split (%)	14.2%	30.0%	30.0%	25.8%	41.7%	16.8%	36.3%	7.9%	27.3%
Maximum Green (s)	12.5	31.5	31.5	26.5	45.5	15.7	39.0	5.0	28.3
Yellow Time (s)	3.5	4.0	4.0	3.5	4.0	3.5	4.0	3.5	4.0
All-Red Time (s)	1.0	0.5	0.5	1.0	0.5	1.0	0.5	1.0	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Minimum Gap (s)	3.0	2.0	2.0	3.0	2.0	3.0	2.0	3.0	2.0
Time Before Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0
Time To Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	0.0	10.0
Recall Mode	None	None	None	None	None	None	Min	None	Min
Walk Time (s)		8.0	8.0		8.0		8.0		8.0
Flash Dont Walk (s)		15.0	15.0		15.0		12.0		12.0
Pedestrian Calls (#/hr)		0	0		0		0		0

Intersection Summary

Cycle Length: 120
 Actuated Cycle Length: 119.3
 Natural Cycle: 120
 Control Type: Actuated-Uncoordinated

Splits and Phases: 1: Wallace Kneeland Blvd & Shelton Springs Rd



HCM 7th Signalized Intersection Summary
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Projected 2044 - Sensitivity
 Timing Plan: PM Peak Hour



Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (veh/h)	110	455	330	380	420	10	205	545	650	10	580	130
Future Volume (veh/h)	110	455	330	380	420	10	205	545	650	10	580	130
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1781	1781	1781	1841	1841	1841	1870	1870	1870	1856	1856	1856
Adj Flow Rate, veh/h	116	479	347	400	442	11	216	574	684	11	611	137
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	8	8	8	4	4	4	2	2	2	3	3	3
Cap, veh/h	140	470	399	389	721	18	234	622	555	23	662	148
Arrive On Green	0.08	0.26	0.26	0.22	0.40	0.40	0.13	0.35	0.35	0.01	0.23	0.23
Sat Flow, veh/h	1697	1781	1510	1753	1788	45	1781	1777	1585	1767	2862	641
Grp Volume(v), veh/h	116	479	347	400	0	453	216	574	684	11	376	372
Grp Sat Flow(s),veh/h/ln	1697	1781	1510	1753	0	1833	1781	1777	1585	1767	1763	1740
Q Serve(g_s), s	8.0	31.5	26.2	26.5	0.0	23.4	14.3	37.0	41.8	0.7	24.8	25.0
Cycle Q Clear(g_c), s	8.0	31.5	26.2	26.5	0.0	23.4	14.3	37.0	41.8	0.7	24.8	25.0
Prop In Lane	1.00		1.00	1.00		0.02	1.00		1.00	1.00		0.37
Lane Grp Cap(c), veh/h	140	470	399	389	0	739	234	622	555	23	408	403
V/C Ratio(X)	0.83	1.02	0.87	1.03	0.00	0.61	0.92	0.92	1.23	0.49	0.92	0.92
Avail Cap(c_a), veh/h	178	470	399	389	0	739	234	622	555	74	418	413
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	53.9	43.9	42.0	46.4	0.0	28.2	51.2	37.2	38.8	58.5	44.8	44.8
Incr Delay (d2), s/veh	21.7	46.2	18.4	52.8	0.0	1.5	38.0	19.4	119.6	15.3	25.3	26.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	4.3	19.8	11.7	17.2	0.0	10.5	8.8	19.2	34.4	0.4	13.7	13.6
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	75.6	90.1	60.3	99.2	0.0	29.7	89.2	56.6	158.3	73.8	70.1	71.0
LnGrp LOS	E	F	E	F		C	F	E	F	E	E	E
Approach Vol, veh/h		942			853			1474			759	
Approach Delay, s/veh		77.4			62.3			108.6			70.6	
Approach LOS		E			E			F			E	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	6.0	46.3	14.4	52.6	20.2	32.1	31.0	36.0				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	5.0	39.0	12.5	45.5	15.7	28.3	26.5	31.5				
Max Q Clear Time (g_c+I1), s	2.7	43.8	10.0	25.4	16.3	27.0	28.5	33.5				
Green Ext Time (p_c), s	0.0	0.0	0.1	2.8	0.0	0.7	0.0	0.0				
Intersection Summary												
HCM 7th Control Delay, s/veh			84.3									
HCM 7th LOS			F									

Queuing and Blocking Report
 Projected 2044 - Sensitivity

03/01/2024

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SE	SE	SE	NW	NW	NE	NE	NE	SW	SW	SW
Directions Served	L	T	R	L	TR	L	T	TR	L	T	TR
Maximum Queue (ft)	100	737	175	250	703	200	406	425	124	378	347
Average Queue (ft)	75	703	151	247	579	168	378	393	14	244	211
95th Queue (ft)	125	727	229	265	807	235	450	431	64	343	312
Link Distance (ft)		676			646		378	378		622	622
Upstream Blk Time (%)		67			35		23	61			
Queuing Penalty (veh)		0			0		0	0			
Storage Bay Dist (ft)	75		150	225		175			150		
Storage Blk Time (%)	21	60	3	47	12	25	20			35	
Queuing Penalty (veh)	166	264	15	202	46	67	42			3	

Network Summary

Network wide Queuing Penalty: 807



Lane Group	SEL	SET	SER	NWL	NWT	NEL	NET	NER	SWL	SWT
Lane Configurations	↩	↑	↪	↩↪	↪	↩	↕	↪	↩	↕↪
Traffic Volume (vph)	110	455	330	380	420	205	545	650	10	580
Future Volume (vph)	110	455	330	380	420	205	545	650	10	580
Turn Type	Prot	NA	Perm	Prot	NA	Prot	NA	Perm	Prot	NA
Protected Phases	3	8		7	4	5	2		1	6
Permitted Phases			8					2		
Detector Phase	3	8	8	7	4	5	2	2	1	6
Switch Phase										
Minimum Initial (s)	5.0	6.0	6.0	5.0	6.0	5.0	6.0	6.0	5.0	6.0
Minimum Split (s)	9.5	27.5	27.5	9.5	27.5	9.5	24.5	24.5	9.5	24.5
Total Split (s)	14.2	30.0	30.0	16.2	32.0	17.0	34.3	34.3	9.5	26.8
Total Split (%)	15.8%	33.3%	33.3%	18.0%	35.6%	18.9%	38.1%	38.1%	10.6%	29.8%
Maximum Green (s)	9.7	25.5	25.5	11.7	27.5	12.5	29.8	29.8	5.0	22.3
Yellow Time (s)	3.5	4.0	4.0	3.5	4.0	3.5	4.0	4.0	3.5	4.0
All-Red Time (s)	1.0	0.5	0.5	1.0	0.5	1.0	0.5	0.5	1.0	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag	Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Minimum Gap (s)	3.0	2.0	2.0	3.0	2.0	3.0	2.0	2.0	3.0	2.0
Time Before Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	10.0	0.0	10.0
Time To Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	10.0	0.0	10.0
Recall Mode	None	None	None	None	None	None	Min	Min	None	Min
Walk Time (s)		8.0	8.0		8.0		8.0	8.0		8.0
Flash Dont Walk (s)		15.0	15.0		15.0		12.0	12.0		12.0
Pedestrian Calls (#/hr)		0	0		0		0	0		0

Intersection Summary

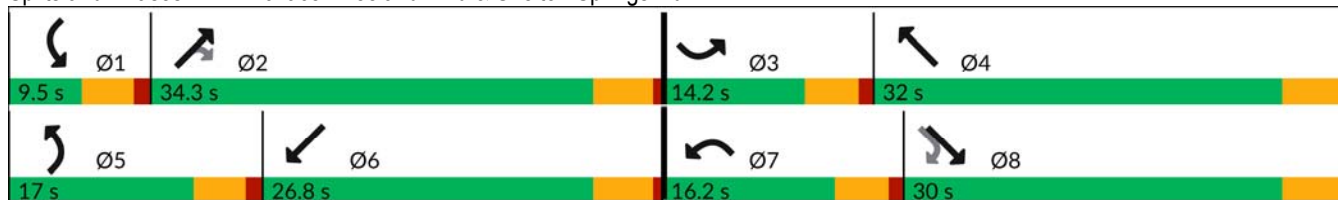
Cycle Length: 90

Actuated Cycle Length: 89

Natural Cycle: 90
























Control Type: Actuated-Uncoordinated

Splits and Phases: 1: Wallace Kneeland Blvd & Shelton Springs Rd



HCM 7th Signalized Intersection Summary Projected 2044 Sensitivity with Improvements Alt 1
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Timing Plan: PM Peak Hour

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations												
Traffic Volume (veh/h)	110	455	330	380	420	10	205	545	650	10	580	130
Future Volume (veh/h)	110	455	330	380	420	10	205	545	650	10	580	130
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1781	1781	1781	1841	1841	1841	1870	1870	1870	1856	1856	1856
Adj Flow Rate, veh/h	116	479	163	400	442	11	216	574	400	11	611	137
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	8	8	8	4	4	4	2	2	2	3	3	3
Cap, veh/h	144	509	432	448	595	15	250	1303	581	24	686	153
Arrive On Green	0.08	0.29	0.29	0.13	0.33	0.33	0.14	0.37	0.37	0.01	0.24	0.24
Sat Flow, veh/h	1697	1781	1510	3401	1788	45	1781	3554	1585	1767	2862	641
Grp Volume(v), veh/h	116	479	163	400	0	453	216	574	400	11	376	372
Grp Sat Flow(s),veh/h/ln	1697	1781	1510	1700	0	1833	1781	1777	1585	1767	1763	1740
Q Serve(g_s), s	6.0	23.3	7.7	10.3	0.0	19.5	10.5	10.8	19.0	0.5	18.3	18.4
Cycle Q Clear(g_c), s	6.0	23.3	7.7	10.3	0.0	19.5	10.5	10.8	19.0	0.5	18.3	18.4
Prop In Lane	1.00		1.00	1.00		0.02	1.00		1.00	1.00		0.37
Lane Grp Cap(c), veh/h	144	509	432	448	0	609	250	1303	581	24	422	417
V/C Ratio(X)	0.80	0.94	0.38	0.89	0.00	0.74	0.86	0.44	0.69	0.47	0.89	0.89
Avail Cap(c_a), veh/h	185	511	433	448	0	609	250	1303	581	99	442	437
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	39.9	31.0	25.4	38.0	0.0	26.3	37.4	21.3	23.8	43.5	32.7	32.7
Incr Delay (d2), s/veh	17.7	25.7	0.5	19.9	0.0	4.9	25.3	0.2	3.4	13.5	19.0	19.6
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	3.2	13.3	2.8	5.4	0.0	9.0	6.3	4.4	7.4	0.3	9.8	9.8
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	57.7	56.7	26.0	57.9	0.0	31.2	62.6	21.5	27.3	57.1	51.7	52.3
LnGrp LOS	E	E	C	E		C	E	C	C	E	D	D
Approach Vol, veh/h		758			853			1190			759	
Approach Delay, s/veh		50.2			43.7			30.9			52.1	
Approach LOS		D			D			C			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	5.7	37.1	12.1	34.1	17.0	25.8	16.2	29.9				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	5.0	29.8	9.7	27.5	12.5	22.3	11.7	25.5				
Max Q Clear Time (g_c+I1), s	2.5	21.0	8.0	21.5	12.5	20.4	12.3	25.3				
Green Ext Time (p_c), s	0.0	3.6	0.0	1.4	0.0	0.9	0.0	0.1				
Intersection Summary												
HCM 7th Control Delay, s/veh			42.6									
HCM 7th LOS			D									

Queuing and Blocking Report
 Projected 2044 Sensitivity with Improvements Alt 1

02/28/2024

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SE	SE	SE	NW	NW	NW	NE	NE	NE	NE	SW	SW
Directions Served	L	T	R	L	L	TR	L	T	T	R	L	T
Maximum Queue (ft)	100	734	175	237	250	473	199	326	399	175	145	296
Average Queue (ft)	79	680	168	157	209	230	134	165	222	156	16	201
95th Queue (ft)	122	835	208	256	280	411	210	285	428	211	81	281
Link Distance (ft)		675				640		372	372			616
Upstream Blk Time (%)		60				0		0	4			
Queuing Penalty (veh)		0				0		0	0			
Storage Bay Dist (ft)	75		150	225	225		175			150	150	
Storage Blk Time (%)	24	59	3	0	7	6	6	3	1	21		23
Queuing Penalty (veh)	187	258	17	1	30	21	16	5	5	57		2

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SW
Directions Served	TR
Maximum Queue (ft)	278
Average Queue (ft)	165
95th Queue (ft)	255
Link Distance (ft)	616
Upstream Blk Time (%)	
Queuing Penalty (veh)	
Storage Bay Dist (ft)	
Storage Blk Time (%)	
Queuing Penalty (veh)	

Network Summary

Network wide Queuing Penalty: 600



Lane Group	SEL	SET	SER	NWL	NWT	NEL	NET	NER	SWL	SWT
Lane Configurations										
Traffic Volume (vph)	110	455	330	380	420	205	545	650	10	580
Future Volume (vph)	110	455	330	380	420	205	545	650	10	580
Turn Type	Prot	NA	Perm	Prot	NA	Prot	NA	Perm	Prot	NA
Protected Phases	3	8		7	4	5	2		1	6
Permitted Phases			8					2		
Detector Phase	3	8	8	7	4	5	2	2	1	6
Switch Phase										
Minimum Initial (s)	5.0	6.0	6.0	5.0	6.0	5.0	6.0	6.0	5.0	6.0
Minimum Split (s)	9.5	27.5	27.5	9.5	27.5	9.5	24.5	24.5	9.5	24.5
Total Split (s)	13.0	27.5	27.5	17.0	31.5	18.0	36.0	36.0	9.5	27.5
Total Split (%)	14.4%	30.6%	30.6%	18.9%	35.0%	20.0%	40.0%	40.0%	10.6%	30.6%
Maximum Green (s)	8.5	23.0	23.0	12.5	27.0	13.5	31.5	31.5	5.0	23.0
Yellow Time (s)	3.5	4.0	4.0	3.5	4.0	3.5	4.0	4.0	3.5	4.0
All-Red Time (s)	1.0	0.5	0.5	1.0	0.5	1.0	0.5	0.5	1.0	0.5
Lost Time Adjust (s)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total Lost Time (s)	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Lead/Lag	Lead	Lag	Lag	Lead	Lag	Lead	Lag	Lag	Lead	Lag
Lead-Lag Optimize?	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vehicle Extension (s)	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Minimum Gap (s)	3.0	2.0	2.0	3.0	2.0	3.0	2.0	2.0	3.0	2.0
Time Before Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	10.0	0.0	10.0
Time To Reduce (s)	0.0	10.0	10.0	0.0	10.0	0.0	10.0	10.0	0.0	10.0
Recall Mode	None	None	None	None	None	None	Min	Min	None	Min
Walk Time (s)		8.0	8.0		8.0		8.0	8.0		8.0
Flash Dont Walk (s)		15.0	15.0		15.0		12.0	12.0		12.0
Pedestrian Calls (#/hr)		0	0		0		0	0		0

Intersection Summary

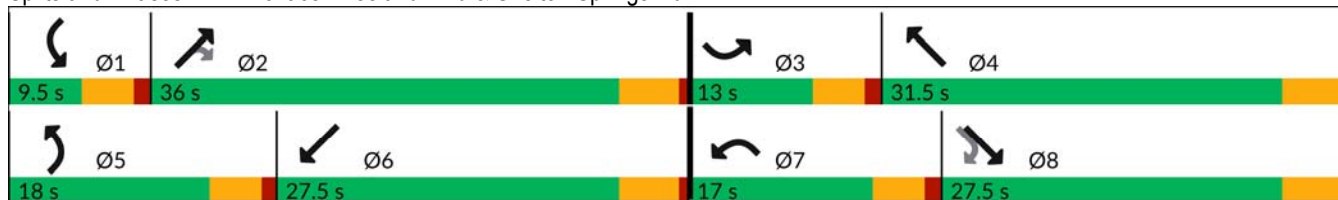
Cycle Length: 90

Actuated Cycle Length: 85

Natural Cycle: 90




























Control Type: Actuated-Uncoordinated

Splits and Phases: 1: Wallace Kneeland Blvd & Shelton Springs Rd



HCM 7th Signalized Intersection Summary Projected 2044 Sensitivity with Improvements Alt 2
 1: Wallace Kneeland Blvd & Shelton Springs Rd

Timing Plan: PM Peak Hour

												
Movement	SEL	SET	SER	NWL	NWT	NWR	NEL	NET	NER	SWL	SWT	SWR
Lane Configurations		 		 				 			 	
Traffic Volume (veh/h)	110	455	330	380	420	10	205	545	650	10	580	130
Future Volume (veh/h)	110	455	330	380	420	10	205	545	650	10	580	130
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Lane Width Adj.	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Work Zone On Approach		No			No			No			No	
Adj Sat Flow, veh/h/ln	1781	1781	1781	1841	1841	1841	1870	1870	1870	1856	1856	1856
Adj Flow Rate, veh/h	116	479	163	400	442	11	216	574	400	11	611	137
Peak Hour Factor	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95	0.95
Percent Heavy Veh, %	8	8	8	4	4	4	2	2	2	3	3	3
Cap, veh/h	145	758	338	488	504	13	257	1375	613	24	733	164
Arrive On Green	0.09	0.22	0.22	0.14	0.28	0.28	0.14	0.39	0.39	0.01	0.26	0.26
Sat Flow, veh/h	1697	3385	1510	3401	1788	45	1781	3554	1585	1767	2862	641
Grp Volume(v), veh/h	116	479	163	400	0	453	216	574	400	11	376	372
Grp Sat Flow(s),veh/h/ln	1697	1692	1510	1700	0	1833	1781	1777	1585	1767	1763	1740
Q Serve(g_s), s	5.2	9.9	7.3	8.9	0.0	18.3	9.2	9.2	16.0	0.5	15.6	15.7
Cycle Q Clear(g_c), s	5.2	9.9	7.3	8.9	0.0	18.3	9.2	9.2	16.0	0.5	15.6	15.7
Prop In Lane	1.00		1.00	1.00		0.02	1.00		1.00	1.00		0.37
Lane Grp Cap(c), veh/h	145	758	338	488	0	516	257	1375	613	24	452	446
V/C Ratio(X)	0.80	0.63	0.48	0.82	0.00	0.88	0.84	0.42	0.65	0.46	0.83	0.83
Avail Cap(c_a), veh/h	186	1004	448	548	0	638	310	1444	644	114	523	516
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	1.00	1.00	1.00	0.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Uniform Delay (d), s/veh	34.8	27.2	26.2	32.2	0.0	26.6	32.3	17.4	19.5	38.0	27.3	27.3
Incr Delay (d2), s/veh	16.9	0.9	1.1	8.7	0.0	11.3	15.8	0.2	2.2	13.0	9.8	10.1
Initial Q Delay(d3), s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	2.8	4.0	2.6	4.1	0.0	9.2	5.0	3.6	5.9	0.3	7.5	7.5
Unsig. Movement Delay, s/veh												
LnGrp Delay(d), s/veh	51.7	28.1	27.2	41.0	0.0	37.9	48.1	17.6	21.7	50.9	37.0	37.4
LnGrp LOS	D	C	C	D		D	D	B	C	D	D	D
Approach Vol, veh/h		758			853			1190			759	
Approach Delay, s/veh		31.5			39.3			24.5			37.4	
Approach LOS		C			D			C			D	
Timer - Assigned Phs	1	2	3	4	5	6	7	8				
Phs Duration (G+Y+Rc), s	5.6	34.5	11.1	26.3	15.7	24.4	15.6	21.9				
Change Period (Y+Rc), s	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5				
Max Green Setting (Gmax), s	5.0	31.5	8.5	27.0	13.5	23.0	12.5	23.0				
Max Q Clear Time (g_c+I1), s	2.5	18.0	7.2	20.3	11.2	17.7	10.9	11.9				
Green Ext Time (p_c), s	0.0	4.6	0.0	1.6	0.1	2.2	0.3	2.9				
Intersection Summary												
HCM 7th Control Delay, s/veh			32.3									
HCM 7th LOS			C									

Queuing and Blocking Report
 Projected 2044 Sensitivity with Improvements Alt 2

02/28/2024

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SE	SE	SE	SE	NW	NW	NW	NE	NE	NE	NE	SW
Directions Served	L	T	T	R	L	L	TR	L	T	T	R	L
Maximum Queue (ft)	100	349	309	174	236	250	483	199	299	350	175	149
Average Queue (ft)	83	183	140	107	140	197	215	131	149	132	132	12
95th Queue (ft)	124	297	261	178	244	269	375	209	256	301	201	60
Link Distance (ft)		674	674				642		360	360		
Upstream Blk Time (%)							0		0	1		
Queuing Penalty (veh)							0		0	0		
Storage Bay Dist (ft)	75			150	225	225		175			150	150
Storage Blk Time (%)	24	36	2	2	0	3	5	4	2	0	10	
Queuing Penalty (veh)	54	40	8	5	1	15	21	11	5	1	26	

Intersection: 1: Wallace Kneeland Blvd & Shelton Springs Rd

Movement	SW	SW
Directions Served	T	TR
Maximum Queue (ft)	288	257
Average Queue (ft)	193	157
95th Queue (ft)	262	236
Link Distance (ft)	616	616
Upstream Blk Time (%)		
Queuing Penalty (veh)		
Storage Bay Dist (ft)		
Storage Blk Time (%)	21	
Queuing Penalty (veh)	2	

Network Summary

Network wide Queuing Penalty: 189