City Council Meeting AMENDMENT NO. 1 Agenda

Dated March 4, 2022



MARCH 8. 2022 6:00 p.m. City of Turlock Yosemite Room 156 S. Broadway, Turlock, California

Mayor **Amy Bublak**

Council Members

Nicole Larson Andrew Nosrati Rebecka Monez **Pam Franco** Vice Mayor

City Manager Reagan M. Wilson Interim City Clerk Kellie E. Weaver City Attornev George A. Petrulakis

SPEAKER CARDS: To accommodate those wishing to address the Council and allow for staff follow-up, speaker cards are available for any agendized topic or any other topic delivered under Public Comment. Please fill out and provide the Comment Card to the City Clerk or Police Officer.

NOTICE REGARDING NON-ENGLISH SPEAKERS: The Turlock City Council meetings are conducted in English and translation to other languages is not provided. Please make arrangements for an interpreter if necessary.

EQUAL ACCESS POLICY: If you have a disability which affects your access to public facilities or services, please contact the City Clerk's Office at (209) 668-5540. The City is committed to taking all reasonable measures to provide access to its facilities and services. Please allow sufficient time for the City to process and respond to your request.

NOTICE: Pursuant to California Government Code Section 54954.3, any member of the public may directly address the City Council on any item appearing on the agenda, including Consent Calendar and Public Hearing items, before or during the City Council's consideration of the item. Members of the public will be allowed five (5) minutes for comments.

AGENDA PACKETS: Prior to the City Council meeting, a complete Agenda Packet is available for review on the City's website at www.cityofturlock.org and in the City Clerk's Office at 156 S. Broadway, Suite 230, Turlock, during normal business hours. Materials related to an item on this Agenda submitted to the Council after distribution of the Agenda Packet are also available for public inspection in the City Clerk's Office. Such documents may be available on the City's website subject to staff's ability to post the documents before the meeting.

0. Α. CALL TO ORDER

- Β. SALUTE TO THE FLAG
- C. **ROLL CALL**
- **DECLARATION OF CONFLICTS** D.

1. **CLOSED SESSION:**

The Closed Session item(s) for this meeting have been agendized and will be heard toward the latter part of the meeting.

2. APPROVAL OF AGENDA AS POSTED OR AMENDED

This is the time for the City Council to remove items from the agenda or to change the order of the agenda. Matters may be taken up out of order of the established agenda by a four-fifths vote of the City Council.

3. PROCLAMATIONS, RECOGNITIONS, APPOINTMENTS, ANNOUNCEMENTS, PRESENTATIONS, AND BRIEFINGS:

- 1. <u>Proclamation</u>: Go Green Week 3/14/22 3/18/22
- 2. <u>Presentation</u>: Stanislaus 2030 Economic Development/Job Creation Strategy
- 3. <u>Presentation</u>: Housing Stanislaus Community-Wide Planning to Support Strategies for the Development of Affordable and Market-Rate Housing

4. PUBLIC PARTICIPATION

Pursuant to California Government Code Section 54954.3(a), this is the time set aside for members of the public to directly address the City Council on any item of interest to the public that is within the subject matter jurisdiction of the City Council and to address the Council on any item on tonight's agenda, including Consent Calendar items. You will be allowed five (5) minutes for your comments. If you wish to speak regarding an item on the agenda, you may be asked to defer your remarks until the Council addresses the matter.

Pursuant to California Government Code Section 54954.2(a)(3), no action or discussion may be undertaken on any item not appearing on the posted agenda, except that the City Council, or its staff, may briefly respond to comments or questions from members of the public, provide a reference to staff or other resources for factual information, or direct staff to place the issue on a future agenda.

5. MOTION WAIVING READING OF ALL ORDINANCES ON THE AGENDA, EXCEPT BY TITLE

6. CONSENT CALENDAR:

Information concerning the consent items listed hereinbelow has been forwarded to each Councilmember prior to this meeting for study. Unless the Mayor, a Councilmember or member of the audience has questions concerning the Consent Calendar, the items are approved at one time by the Council. The action taken by the Council in approving the consent items is set forth in the explanation of the individual items.

- A. <u>Resolution</u>: Accepting Weekly Demands of 1/28/22 in the amount of \$520,695.28; Weekly Demands of 2/4/22 in the amount of \$4,090,960.73
- B. <u>Motion</u>: Accepting Minutes of the Regular Meeting of February 22, 2022
- C. <u>Resolution</u>: Appropriating \$36,834.95 to account number 215-40-420.51210 "Federal Street Projects" to be funded from Fund 218 "Measure L" unallocated reserves to provide necessary funding for City Project No. 16-56 "Intersection Improvements at Lander Ave and F St" <u>Motion</u>: Approving Contract Change Order No. 2 (Final) in the increased amount of

<u>\$53,451.50</u> (Non-General Fund – Fund 215) for City Project No. 16-56 "Intersection Improvements at Lander Ave and F St." bringing the contract total to \$530,774.50 <u>Motion</u>: Accepting improvements for City Project No. 16-56 "Intersection Improvements

at Lander Ave and F St." and authorizing the City Engineer to file a Notice of Completion *Motion*: Approving Contract Change Order No. 3 (Final) in the decreased amount of

D. <u>Motion</u>: Approving Contract Change Order No. 3 (Final) in the decreased amount of \$26,819.30 (Non-General Fund – Fund 215) for City Project No. 18-53 "Intersection Improvements at Monte Vista Ave and Fosberg Rd" bringing the contract total to \$622,106.66 Motion: Accepting improvements for City Project No. 18-53 "Intersection Improvements

<u>Motion</u>: Accepting improvements for City Project No. 18-53 "Intersection Improvements at Monte Vista Ave and Fosberg Rd" and authorizing the City Engineer to file a Notice of Completion

- E. <u>Motion</u>: Approving a Surface Water Pipeline Easement on the City of Turlock terminal tank site located at 3500 North Quincy Road to the Stanislaus Regional Water Authority necessary for construction of the Turlock finish water pipeline, to be constructed as part of the Stanislaus Regional Water Authority Regional Surface Water Supply Project
- F. <u>Resolution</u>: Appropriating \$900,000 to account number 410-51-534.51418 "S. Walnut/W. Main Sewer Line Repair" to be funded from Fund 410 "Water Quality Control (WQC)" unallocated reserves to provide necessary funding for City Project No. 21-040 "W. Main and Walnut Emergency Repair"

<u>Motion</u>: Accepting the improvements for City Project No. 21-040, "W. Main and Walnut Emergency Repair" and authorizing the City Engineer to file a Notice of Completion

- G. <u>Motion</u> Authorizing the City Manager to begin the implementation of recommendations from the Geographic Information System (GIS) Strategic Plan performed in 2019 by VESTRA resources Inc. <u>Resolution</u>: Approving a new job description for the new position of GIS Coordinator. <u>Resolution</u>: Authorizing the hiring of one Full Time Employee (FTE) position of GIS Coordinator <u>Motion</u>: Authorizing staff to solicit a Request for Proposal from qualified firms to provide GIS support services
- H. <u>Resolution</u>: Appropriating \$150,000 to account number 110-10-109.43010 "Contract Attorney" from Fund 110 "General Fund" unassigned reserves for anticipated fees through June 30, 2022 related to services performed by Atkinson, Andelson, Loya, Ruud & Romo
- I. <u>Resolution</u>: Approving revisions to the job description for Fire Marshal

7. FINAL READINGS: None

8. **PUBLIC HEARINGS:** None

9. ACTION ITEMS:

A. Request to declare that certain real property owned by the City located at 513 North Palm Avenue, in the City of Turlock is exempt surplus land, and taking related actions AND approve the repayment of HOME funds in the amount of \$291,951.49 to credit the Turlock/ Stanislaus County HOME Consortium local HOME account (Fund 256) AND approve the sale agreement, loan agreement and joint escrow instructions for the sale of the property located at 513 North Palm Avenue, Turlock (APN #061-023-041) (Exhibit A), to be sold to Housing Authority of Stanislaus County, a California public housing authority, in the amount of \$292,000, and authorize the City Manager to sign all necessary documents to effectuate the transaction. (*Ramos*)

Recommended Action:

<u>Resolution</u>: A Resolution of the City Council of the City of Turlock declaring that certain real property owned by the City located at 513 North Palm Avenue, in the City of Turlock is exempt surplus land, and taking related actions

<u>Motion</u>: Approving the repayment of HOME funds in the amount of \$291,951.49 to credit the Turlock/ Stanislaus County HOME Consortium local HOME account (Fund 256)

<u>Motion</u>: Approving the sale agreement, Ioan agreement and joint escrow instructions for the sale of the property located at 513 North Palm Avenue, Turlock (APN #061-023-041) (Exhibit A), to be sold to Housing Authority of Stanislaus County, a California public housing authority, in the amount of \$292,000, and authorize the City Manager to sign all necessary documents to effectuate the transaction

10. CITY MANAGER REPORTS/UPDATES

City Manager reports/updates are provided for informational purposes only and no action or discussion may be undertaken. The City Manager may direct department heads to provide reports/updates at the City Manager's request.

A. Housing (*Ramos*)

11. COUNCIL ITEMS FOR FUTURE CONSIDERATION

12. COUNCILMEMBER QUESTIONS, COMMENTS, AND ANNOUNCEMENTS

Councilmembers may ask questions, provide comments, and make brief announcements on notable topics of interest. The Brown Act does not allow discussion or action by the legislative body.

13. CLOSED SESSION:

A. Conference with Real Property Negotiators, Cal. Gov't Code §54956.8

"Notwithstanding any other provisions of this chapter, a legislative body of a local agency may hold a closed session with its negotiator prior to the purchase, sale, exchange, or lease of real property by or for the local agency to grant authority to its negotiator regarding the price and terms of payment for the purchase, sale, exchange, or lease." Property: 3500 North Quincy Road, Denair, CA (APN No. 073-009-014) Agency Negotiator: Principal Civil Engineer, Stephen Fremming, P.E. Negotiating Parties: Curt Starkey & Christina King, City of Turlock

Under Negotiation: Price and terms of payment for the sale of property in fee

- B. <u>Conference with Legal Counsel Anticipated Litigation</u>, Cal. Gov't Code §54956.9(d)(2) "For the purposes of this section, litigation shall be considered pending when any of the following circumstances exist... A point has been reached where, in the opinion of the legislative body of the local agency on the advice of its legal counsel, based on existing facts and circumstances, there is a significant exposure to litigation against the local agency." Potential Case(s): (1 case)
- C. <u>Liability Claims</u>, Cal. Gov't Code §54956.95 "For the purposes of [Section 54956.9], 'existing facts and circumstances' shall consist only of one of the following: The receipt of a claim pursuant to the Government Claims Act (Division 3.6 (commencing with Section 810) of Title 1 of the Government Code) or some other written communication from a potential plaintiff threatening litigation, which claim or communication shall be available for public inspection pursuant to Section 54957.5." Claimant: Jeff Sousa Agency Claimed Against: City of Turlock
- D. <u>Liability Claims</u>, Cal. Gov't Code §54956.95 "For the purposes of [Section 54956.9], 'existing facts and circumstances' shall consist only of one of the following: The receipt of a claim pursuant to the Government Claims Act (Division 3.6 (commencing with Section 810) of Title 1 of the Government Code) or some other written communication from a potential plaintiff threatening litigation, which claim or communication shall be available for public inspection pursuant to Section 54957.5." Claimant: Alisa Marie Hendon Agency Claimed Against: City of Turlock

14. REPORTS FROM CLOSED SESSION

15. ADJOURNMENT



BEFORE THE CITY COUNCIL OF THE CITY OF TURLOCK

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IN THE MATTER OF ACCEPTING WEEKLY DEMANDS OF 2/11/22 IN THE AMOUNT OF \$818,066.47; WEEKLY DEMANDS OF 2/18/22 IN THE AMOUNT OF \$2,463,236.08 **RESOLUTION NO. 2022-**

WHEREAS, the City has received demands for ratification and approval.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Turlock does hereby accept Demands as follows:

Demands of:	In the Amount of:
2/11/22	\$818,066.47
2/18/22	\$2,463,236.08

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Turlock this 8th day of March, 2022, by the following vote:

AYES: NOES: NOT PARTICIPATING: ABSENT:

ATTEST:

Lisa Schimmelfennig, Deputy City Clerk, City of Turlock, County of Stanislaus, State of California

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	9	Transaction Amount	Reconciled Amount	Difference
AP - Accoun							-	/	/	
<u>Check</u>	,									
132981	02/11/2022	Open			Accounts Payable	ABS DIREC	T INC	\$23,096.84		
	Invoice		Date	Description	·		Amoun	t		
	92670		02/10/2022	UT STATEMEI	NT - NOV 4 2021 NE		\$3,078.40)		
	92697		02/10/2022	UT DELINQ - N	NOV 5 2021 NE		\$125.04	1		
	92720		02/10/2022	UT STATEMEI	NT - NOV 10 2021 SE		\$2,520.04	ļ.		
	92737		02/10/2022	UT DELINQ - N	NOV 12 2021 SE		\$126.01			
	92834		02/10/2022	UT STATEMEI	NT - NOV 18 2021 SW		\$2,612.50)		
	92850		02/10/2022	UT DELINQ - N	NOV 18 2021 SW		\$149.35	5		
	92873		02/10/2022	UT STATEMEI	NT - NOV 24 2021 NW		\$2,896.84	1		
	92902		02/10/2022	UT DELINQ - N	NOV 29 2021 NW		\$108.36	3		
	93018		02/10/2022	UT STATEMEI	NT - DEC 3 2021 NE		\$3,077.68	3		
	93085		02/10/2022	UT DELINQ - [DEC 6 2021 NE		\$114.82			
	93094		02/10/2022	UT STATEMEI	NT - DEC 10 2021 SE		\$2,528.37	7		
	93102		02/10/2022	UT DELINQ - [DEC 13 2021 SE		\$117.88	3		
	93191		02/10/2022	UT STATEMEI	NT - DEC 17 2021 SW		\$2,608.69)		
	93214		02/10/2022	UT DELINQ - [DEC 20 2021 SW		\$110.99)		
	93235		02/10/2022		NT - DEC 23 2021 NW		\$2,921.87	7		
	Paying Fund			Cash Account			Amoun			
	110 - General	Fund		110.11000 (Ca	ish)		\$7,698.97	7		
		QUALITY CONTROL	(WQC)	410.11000 (Ca	ish)		\$7,698.95	5		
	420 - WATER			420.11000 (Ca	ish)		\$7,698.92	2		
132982	02/14/2022	Open			Utility Management	FAIRBANKS	RANCH I LLC	\$121.57		
	A		A	Description	Refund	Dete	The second second second			
	Account Type Single Family	Dee Meterad	Account Number 001310-001	Description MOVE OUT CI		saction Date	Transaction Type Refund			
		Res Melered	001310-001		REDIT 02/14	/2022				
	Paying Fund 420 - WATER			Cash Account 420.11000 (Ca	(ab)		Amoun \$121.57			
				420.11000 (Ca	,					
132983	02/14/2022	Open			Utility Management Refund	GREGG, KE	LSEY	\$56.36		
	Account Type		Account Number	Description		saction Date	Transaction Type			
	Single Family	Res Metered	000031-004	MOVE OUT CI	REDIT 02/14	/2022	Refund			
	Paying Fund			Cash Account			Amoun	t		
	420 - WATER			420.11000 (Ca	ish)		\$56.36	3		
132984	02/14/2022	Open		·	Utility Management	LAI, MARTIN	NA	\$131.61		
			A second blood	Description	Refund	Dete	Tana and the Tan			
	Account Type	Dee Material	Account Number	Description		saction Date	Transaction Type			
	Single Family	Res Metered	106313-006	MOVE OUT CI	REDIT 02/14	/2022	Refund			
	Paying Fund			Cash Account	ab)		Amoun			
	420 - WATER			420.11000 (Ca	isn)		\$131.61			
132985	02/17/2022	Open			Accounts Payable	ABS DIREC	T INC	\$11,753.13		
	Invoice		Date	Description	-		Amoun			
	92461		02/11/2022	Winter Waterin	g Schedule 2021		\$875.13	3		
	93749		02/14/2022	POSTAGE AD	VANCE FOR FEB/MA	R 2022	\$5,700.00)		
	92812		02/16/2022	UT ENVELOPI	E PRINTING #9 AND #	10 60,000 EACH	H \$5,178.00)		
	Paying Fund			Cash Account			Amoun			
	110 - General			110.11000 (Ca			\$7,426.00			
	410 - WATER	QUALITY CONTROL	(WQC)	410.11000 (Ca	ish)		\$1,726.00)		

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	Transaction Amount	Reconciled Amount	Difference
	420 - WATER			420.11000 (Ca	ash)	\$2,60	1.13		
132986	02/17/2022	Open			Accounts Payable	American Association for Laborato	bry \$2,747.15		
	Invoice		Date	Description		Am	iount_		
	T00032507		02/11/2022		editation for Lab	\$2,74			
	Paying Fund			Cash Account			iount		
		QUALITY CONT	ROL (WQC)	410.11000 (Ca		\$1,37			
	420 - WATER			420.11000 (Ca	ash)	\$1,37	3.58		
132987	02/17/2022	Open			Accounts Payable	AMERICAN CANCER SOCIETY	\$206.00		
	Invoice		Date	Description			ount		
	JULY - DEC 2	021	02/09/2022		 American Cancer Cha 		6.00		
	Paying Fund			Cash Account			iount		
	104 - Payroll (Clearing Fund		104.11000 (Ca	ash)	\$20	6.00		
132988	02/17/2022	Open			Accounts Payable	AMERICAN RED CROSS	\$86.00		
	Invoice		Date	Description			ount		
	JULY - DEC 2	.021	02/09/2022		- Red Cross Charitable		6.00		
	Paying Fund			Cash Account			ount		
	104 - Payroll (Jearing Fund		104.11000 (Ca	ash)	\$8	6.00		
132989	02/17/2022	Open			Accounts Payable	AT&T/SBC	\$33.78		
	Invoice		Date	Description			iount		
	PD 2/7/22		02/14/2022		-3447 543 0/ Police Dep		3.78		
	Paying Fund	Found		Cash Account			iount		
	110 - General			110.11000 (Ca	,		3.78		
132990	02/17/2022	Open	_		Accounts Payable	BERLA CORPORATION	\$2,800.00		
	Invoice		Date	Description			ount		
	21-j05-1216		02/09/2022		1327960139 RENEWAL	• • • • • • • • • • • • • • • • • • • •			
	Paying Fund 110 - General	Fund		Cash Account 110.11000 (Ca		\$2,80	iount		
				110.11000 (Ca					
132991	02/17/2022	Open	Data	Description	Accounts Payable	BURTON'S FIRE, INC	\$1,289.95		
	Invoice W 80230		Date 02/10/2022	Description	R - AIR DRYER	Am \$1,28	iount		
	Paying Fund		02/10/2022	Cash Account			iount		
	110 - General	Fund		110.11000 (Ca		\$1,28			
400000				110.11000 (00	,				
132992	02/17/2022 Invoice	Open	Data	Description	Accounts Payable				
	PP32RET/CP	15-300	Date 02/14/2022	Description	Retention for 15-39C C		iount		
	TT SZILE I/OI	10-000	02/14/2022	Retention					
	Paying Fund			Cash Account		Am	ount		
		apital Expansion F	Reserve	413.11000 (Ca	ash)	\$4,89	8.74		
132993	02/17/2022	Open			Accounts Payable	CHAMPION INDUSTRIAL	\$1,396.28		
102000	Invoice	opon	Date	Description	/ locounte r ayabie		iount		
	70651		02/14/2022		TY HALL - HEAT PUMI		5.00		
	70781		02/14/2022		SF - COMPUTER ROOI	M AC NOT \$19	0.00		
	70812		02/14/2022	REPAIRS@CI CONTROL BC	TY HALL - REPLACE F)ARD	IR HEATER \$73	1.28		

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
	70537		02/14/2022		R - INSTALL USSC AC		\$190.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera			110.11000 (Ca	ash)		\$1,206.28			
	426 - Transit			426.11000 (Ca	ash)		\$190.00			
132994	02/17/2022	Open			Accounts Payable	CHILDREN'S CRISIS CEN	TFR	\$314.00		
102004	Invoice	Open	Date	Description	/ looodinto / ayabic		Amount	ψ014.00		
	JULY - DEC	2021	02/09/2022		Children Crisis Charitat	le Cont*	\$314.00			
	Paying Fund		02/00/2022	Cash Account			Amount			
		Clearing Fund		104.11000 (Ca	ash)		\$314.00			
132995	02/17/2022	Open		,	Accounts Payable	CHRISTMAS FUND	·	\$510.00		
132995	Invoice	Open	Date	Description	Accounts Payable	CHRISTIMAS FUND	Amount	\$510.00		
	JULY - DEC	2021	02/09/2022		Christmas Family Chari	table Cont*	\$510.00			
	Paying Fund		02/09/2022	Cash Account			Amount			
		Clearing Fund		104.11000 (Ca			\$510.00			
	-	•		104.11000 (08				* ****		
132996	02/17/2022	Open	_		Accounts Payable	Covenant Care at Home an Covenant Care Hospice		\$292.00		
	Invoice		Date	Description			Amount			
	JULY - DEC	-	02/09/2022		ospice Charitable Contr	ibution*	\$292.00			
	Paying Fund			Cash Account			Amount			
	104 - Payroll	Clearing Fund		104.11000 (Ca	ash)		\$292.00			
132997	02/17/2022	Open			Accounts Payable	COVID CLINIC INC		\$1,980.00		
	Invoice		Date	Description			Amount			
	83EEFAC8-0		02/09/2022	20 RAPID TES	STS - POLICE		\$1,980.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	al Fund		110.11000 (Ca	ash)		\$1,980.00			
132998	02/17/2022	Open			Accounts Payable	CRIMETEK SECURITY, IN	IC.	\$3,265.92		
	Invoice		Date	Description			Amount			
	65138		02/08/2022	Unarmed Secu 2/6/22	urity Services for Transi	t Center 1/31/22-	\$3,265.92			
	Paying Fund			Cash Account			Amount			
	426 - Transit			426.11000 (Ca	ash)		\$3,265.92			
132999	02/17/2022 Invoice	Open	Date	Description	Accounts Payable	CYCLE SPECIALTIES INC	; Amount	\$1,600.25		
	52034		02/09/2022	starter issues			\$816.00			
	52390		02/09/2022	34090 BIKE W	/ORK		\$227.85			
	52391		02/09/2022	34089 BIKE W			\$170.00			
	52479		02/09/2022	34089 REAR			\$386.40			
	Paying Fund			Cash Account			Amount			
	110 - Genera			110.11000 (Ca	ash)		\$1,600.25			
133000	02/17/2022	Open		(Accounts Payable	DAILY BREAD		\$432.00		
133000	Invoice	Open	Date	Description	ACCOUNTS Fayable	DAILT DREAD	Amount	φ 4 32.00		
	JULY - DEC	2021	02/09/2022		Bread Charitable Contr	but*	\$432.00			
	Paying Fund		02/03/2022	Cash Account		but	Amount			
		Clearing Fund		104.11000 (Ca			\$432.00			
				10-11000 (08			ψ-52.00			

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
133001	02/17/2022	Open			Accounts Payable	DELL MARKETING LP		\$23,701.63		
	Invoice		Date	Description	-		Amount			
	10556216632		02/14/2022	REPLACEME XCTO	NT ORDER 2 - OPTIPL	EX 3090 ULTRA \$	21,816.32			
	10559202203		02/14/2022	LAPTOP FOR	RECREATION		\$1,885.31			
	Paying Fund			Cash Account			Amount			
		er Replacement		242.11000 (Ca			21,816.32			
	270 - Recreati	on Grants		270.11000 (Ca	ash)		\$1,885.31			
133002	02/17/2022	Open			Accounts Payable	DOCUSCRIPT, LLC		\$546.92		
	Invoice		Date	Description	-		Amount			
	1816		02/09/2022	JANUARY 202			\$546.92			
	Paying Fund			Cash Account			Amount			
	110 - General	Fund		110.11000 (Ca	ash)		\$546.92			
133003	02/17/2022	Open			Accounts Payable	EMPLOYEE COMMUNITY	CRISIS	\$688.00		
	Invoice		Date	Description	-		Amount			
	JULY - DEC 2	021	02/09/2022		 Community Charity Ch 	aritable Con*	\$688.00			
	Paying Fund			Cash Account			Amount			
	104 - Payroll C	Clearing Fund		104.11000 (Ca	ash)		\$688.00			
133004	02/17/2022	Open			Accounts Payable	ENGINEERED FIRE SYST	NC	\$3,012.50		
	Invoice		Date	Description			Amount			
	18170		02/04/2022		V SERVICES - DECEM	-	\$750.00			
	18088		02/04/2022		V SERVICES - NOVEM		\$450.00			
	18264		02/04/2022		V SERVICES - JANUAR	RY 2022	\$1,812.50			
	Paying Fund	<u> </u>		Cash Account			Amount			
	110 - General	Fund		110.11000 (Ca	,		\$3,012.50			
133005	02/17/2022	Open	_		Accounts Payable	ENTERPRISE HOLDINGS I	-	\$3,964.94		
	Invoice		Date	Description			Amount			
	28975687		02/09/2022	SIU RENTALS			\$3,964.94			
	Paying Fund 110 - General	Fund		Cash Account 110.11000 (Ca			Amount \$3.964.94			
				110.11000 (Ca			+ - /			
133006	02/17/2022	Open			Accounts Payable	ENVIRONMENTAL RESOU ASSOCIATES	RCE	\$1,621.04		
	Invoice		Date	Description			Amount			
	996485		02/11/2022	LAB SUPPLIE			\$1,621.04			
	Paying Fund			Cash Account			Amount			
	420 - WATER			420.11000 (Ca	,		\$1,621.04			
133007	02/17/2022	Open			Accounts Payable	EQUIFAX		\$10.00		
	Invoice		Date	Description			Amount			
	6688406		02/10/2022		EDIT CHECK SERVICE	S	\$10.00			
	Paying Fund			Cash Account			Amount			
	255 - CDBG			255.11000 (Ca	asn)		\$10.00			
133008	02/17/2022	Open			Accounts Payable	FEDERAL EXPRESS		\$60.67		
	Invoice		Date	Description			Amount			
	7-658-46756		02/14/2022		IARGES 2/11/22		\$60.67			
	Paying Fund	Final		Cash Account			Amount			
	110 - General	Fund QUALITY CONTRO		110.11000 (Ca 410.11000 (Ca	asn)		\$35.51 \$25.16			

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	Transaction Amount	Reconciled Amount	Difference
133009	02/17/2022	Open			Accounts Payable	GEOANALYTICAL LAB INC	\$2,918.24		
	Invoice		Date	Description	-	Amo			
	I2B0107		02/11/2022	MONTHLY W	ASTEWATER SAMPLES	\$\$212	.10		
	I2B0109		02/11/2022	MONTHLY W	ASTEWATER SAMPLES	\$\$168	.94		
	I2B0301		02/11/2022	WASTEWATE	R SAMPLES	\$54	.50		
	I2B0102		02/11/2022	WASTEWATE	R SAMPLES	\$54	.50		
	I2B0201		02/11/2022	WASTEWATE	R SAMPLES	\$54	.50		
	I2A2504		02/11/2022	FOG STUDY		\$866	.10		
	I2A1806		02/11/2022	FOG STUDY		\$1,438	.50		
	I2B0106		02/11/2022	MONTHLY LA	BORATORY DILUTION	\$38	.15		
	I2B0105		02/11/2022	DRINKING W	ATER WELL ANALYSIS	\$30	.95		
	Paying Fund			Cash Account		Amo	unt		
		R QUALITY CONTR	OL (WQC)	410.11000 (Ca	ash)	\$2,849	.14		
	420 - WATEF			420.11000 (Ca	ash)	\$69	.10		
133010	02/17/2022	Open			Accounts Payable	GOMES PROPANE	\$342.18		
	Invoice		Date	Description		Amo			
	12076		02/11/2022		DPANE FOR STREETS	\$57			
	12078		02/11/2022		OPANE FOR STREETS	\$83	-		
	12082		02/11/2022		OPANE FOR STREETS	\$61			
	12087		02/11/2022		OPANE FOR STREETS	\$54			
	12092		02/11/2022		OPANE FOR STREETS	\$85			
	Paying Fund			Cash Account		Amo			
		ad Maint & Rehab	Account	219.11000 (Ca	,	\$342			
133011	02/17/2022	Open	Data	Description	Accounts Payable	Granberg & Associates	\$21,913.01		
	Invoice 45		Date	Description	et Conorel Manager fan f	Amo			
	45		02/14/2022	2022	ct General Manager for 2	2021-22 for Jan \$21,913	.01		
	Paying Fund			Cash Account		Amo	unt		
	950 - SRWA			950.11000 (Ca	ash)	\$21,913	.01		
133012	02/17/2022	Open			Accounts Payable	HCI SYSTEMS INC	\$541.50		
155012	Invoice	Open	Date	Description	Accounts Fayable	Amo			
	206308		02/14/2022		CE (1) 120V 10' BELL	\$541			
	Paying Fund		02/14/2022	Cash Account	SE (1) 1200 10 BEEE	Amo			
	110 - Genera	l Fund		110.11000 (Ca	ash)	\$541			
				110.11000 (08	,				
133013	02/17/2022	Open			Accounts Payable	HD SUPPLY FACILITIES MAINTENANCE LTD	\$251.25		
	Invoice		Date	Description		Amo			
	815699		02/11/2022	SEAL FOR SA	MPLE VIAL	\$251	.25		
	Paying Fund			Cash Account		Amo			
	410 - WATEF	R QUALITY CONTR	OL (WQC)	410.11000 (Ca	ash)	\$251	.25		
133014	02/17/2022	Open			Accounts Payable	HELIXSTORM, INC	\$39,779.52		
	Invoice		Date	Description		Amo			
	12068		02/14/2022	PRODUCTION	N SUPPORT COVERAG	E 1YR \$39,779	.52		
	Paying Fund			Cash Account		Amo	<u>unt</u>		
	501 - Informa	tion Technology		501.11000 (Ca	ash)	\$39,779	.52		
133015	02/17/2022	Open			Accounts Payable	INTERSTATE SALES INC	\$2,429.58		
	Invoice		Date	Description		Amo			
	9536		02/11/2022	INTERSTATE	SALES - THERMODRO	P \$2,429	.58		

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	Transaction Amount	Reconciled Amount	Difference
	Paying Fund			Cash Account		Amount			
	219 - SB1 Ro	ad Maint & R	ehab Account	219.11000 (Ca	ash)	\$2,429.58			
133016	02/17/2022 Invoice	Open	Date	Description	Accounts Payable	LANGUAGE LINE SERVICES Amount	\$10.75		
	10454981		02/14/2022		104 - Translation servic				
	10101001		0_,, _ 0	Department		\$10110 \$1000			
	Paying Fund			Cash Account		Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)	\$10.75			
133017	02/17/2022	Open			Accounts Payable	LEHIGH HANSON INC	\$168.24		
100011	Invoice	opon	Date	Description		Amount	¢.001⊒.1		
	2331260		02/11/2022		PHALT FOR STREETS	\$85.54			
	2331699		02/11/2022	LEHIGH - ASF	PHALT FOR STREETS	\$82.70			
	Paying Fund			Cash Account		Amount			
	219 - SB1 Ro	ad Maint & R	ehab Account	219.11000 (Ca	ash)	\$168.24			
133018	02/17/2022	Open			Accounts Payable	MEDWASTE MANAGEMENT, LLC.	\$132.00		
	Invoice	·	Date	Description	-	Amount			
	MW53112		02/09/2022	QUARTERLY	SERVICE	\$132.00			
	Paying Fund			Cash Account		Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)	\$132.00			
133019	02/17/2022	Open			Accounts Payable	MOTOROLA INC	\$338,311.46		
	Invoice	•	Date	Description	•	Amount			
	30915		02/14/2022		OROLA LEASE PMNT				
	Paying Fund			Cash Account		Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)	\$338,311.46			
133020	02/17/2022	Open			Accounts Payable	NATIONAL CONSTRUCTION RENTALS INC	\$3,190.20		
	Invoice		Date	Description		Amount			
	6417664		02/11/2022	1001 MONTAN		\$3,190.20			
	Paying Fund			Cash Account		Amount			
	110 - Genera	IFund		110.11000 (Ca	ash)	\$3,190.20			
133021	02/17/2022	Open			Accounts Payable	NITRO SOFTWARE, INC	\$115.92		
	Invoice		Date	Description		Amount			
	INV-0738		02/14/2022		TIVITY - 1 YR (2) ADD'I				
	INV-1280		02/14/2022		TIVITY - 1 ADD'L LICE				
	Paying Fund 110 - Genera	LEund		Cash Account 110.11000 (Ca		Amount \$115.92			
				110.11000 (Ca	,				
133022	02/17/2022	Open			Accounts Payable	NORTH AMERICAN YOUTH ACTIVITIES LLC, KIDZ LOVE SOCCER	\$5,616.80		
	Invoice		Date	Description		Amount			
	2021SEP105	530065	02/11/2022	September 20	21 Class	\$5,616.80			
	Paying Fund			Cash Account		Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)	\$5,616.80			
133023	02/17/2022	Open			Accounts Payable	Operation Blue Santa	\$228.00		
	Invoice		Date	Description		Amount	<i> </i>		
	JULY - DEC	2021	02/09/2022		- Operation Blue Santa*				
	Paying Fund			Cash Account		Amount			
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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
	104 - Payroll	Clearing Fund		104.11000 (Ca	ish)		\$228.00			
133024	02/17/2022 Invoice	Open	Date	Description	Accounts Payable	OTIS ELEVATOR CO INC	Amount	\$8,872.20		
	10040061892	8	02/09/2022		E FROM 1/1/22-12/31/	22	\$8,872.20			
	Paying Fund	.0	02,00,2022	Cash Account			Amount			
	110 - General	l Fund		110.11000 (Ca	ish)		\$8,872.20			
133025	02/17/2022	Open		,	Accounts Payable	PG&E		\$14,833.96		
155025	Invoice	Open	Date	Description	Accounts Fayable	FG&E	Amount	φ14,033.90		
	FIRE#3 2/3/2	2	02/14/2022		/ 501 E Monte Vista Av		\$333.16			
	CITY HALL 2		02/14/2022		/ 156 S Broadway	c	\$1,137.40			
	FIRE#1 2/6/2		02/14/2022		/ 540 Marshall St		\$707.81			
	SENIOR 2/6/2		02/14/2022		/ 1191 Cahill St		\$616.43			
	FIRE#2 2/8/2		02/14/2022		/ 791 S Walnut Rd		\$57.09			
	AC 2/8/22		02/14/2022	6266210492-6	/ 801 S Walnut Rd		\$318.55			
	WLNT#E 2/8/	22	02/14/2022	6141210500-1	/ 701 S Walnut Rd E		\$8.65			
	WQC 2/8/22		02/14/2022	6349543820-0	/ 901 S Walnut Rd		\$622.27			
	WQC - 2/8/22	2	02/14/2022	6307877156-3	/ 901 S Walnut Rd		\$11,032.60			
	Paying Fund			Cash Account			Amount			
	110 - Genera			110.11000 (Ca			\$3,170.44			
	217 - Streets			217.11000 (Ca	,		\$8.65			
	410 - WATER	QUALITY CO	NTROL (WQC)	410.11000 (Ca	ish)		\$11,654.87			
133026	02/17/2022	Open			Accounts Payable	PAL		\$344.00		
	Invoice		Date	Description			Amount			
	JULY - DEC 2	2021	02/09/2022	PAL - PAL Cha	aritable Contribution*		\$344.00			
	Paying Fund			Cash Account			Amount			
	104 - Payroll	Clearing Fund		104.11000 (Ca	ish)		\$344.00			
133027	02/17/2022	Open			Accounts Payable	PALITTO CONSULTING S	ERVICES,	\$6,300.00		
	Invoice		Date	Description			Amount			
	51482		02/14/2022	REMAINDER (FY 21/22 I.V.R	OF 50% PAYMENT-BL	OCK OF HOURS	\$6,300.00			
	Paying Fund			Cash Account			Amount			
			NTROL (WQC)	410.11000 (Ca			\$3,150.00			
	420 - WATER	l		420.11000 (Ca	ish)		\$3,150.00			
133028	02/17/2022	Open			Accounts Payable	Platt Electric Supply		\$241.47		
	Invoice	-	Date	Description			Amount			
	2K81298		02/11/2022	SUPPLIES			\$81.51			
	2K59279		02/11/2022	SUPPLIES			\$159.96			
	Paying Fund			Cash Account			Amount			
	410 - WATER	QUALITY CO	NTROL (WQC)	410.11000 (Ca	ish)		\$241.47			
133029	02/17/2022	Open			Accounts Payable	PROTECH SECURITY/ELE	EC INC	\$198.00		
	Invoice	-	Date	Description			Amount			
	14671		02/14/2022	REPAIR - CIT DETECTOR R	Y HALL ZONE 166 HVA ESET	AC 6 DUCT	\$198.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	Fund		110.11000 (Ca	ush)		\$198.00			

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	Transaction Amount	Reconciled Amount	Difference
133030	02/17/2022	Open			Accounts Payable	PROVOST AND PRITCHARD ENGINEERING GROUP	\$126,642.72		
	Invoice		Date	Description		Amount			
	89167		02/10/2022	November 202	21	\$74,616.62			
	89544		02/10/2022	December 202	21	\$52,026.10			
	Paying Fund			Cash Account		Amount			
	420 - WATEF	R		420.11000 (Ca	ash)	\$126,642.72			
133031	02/17/2022	Open			Accounts Payable	R3 Consulting Group, Inc.	\$723.75		
	Invoice		Date	Description		Amount	* ·- • ·· •		
	117048		02/09/2022		ate Study - JAN 2022	\$723.75			
	Paying Fund			Cash Account		Amount			
		Integrated Waste M	/gmt	204.11000 (Ca		\$723.75			
133032	02/17/2022	Open	-		Accounts Payable	RECREATION SCHOLARSHIP	\$38.00		
	Invoice	2004	Date	Description		Amount			
	JULY - DEC	2021	02/09/2022		Rec Scholarship Charita				
	Paying Fund			Cash Account		Amount Amount			
	104 - Payroll	Clearing Fund		104.11000 (Ca	ash)	\$38.00			
133033	02/17/2022	Open			Accounts Payable	REED INC, GEORGE	\$472.77		
	Invoice		Date	Description		Amount			
	100260237		02/11/2022	GEORGE REE		\$88.10			
	100260346		02/11/2022	GEORGE REE		\$87.28			
	100260458		02/11/2022	GEORGE REE		\$87.28			
	100260907		02/11/2022	GEORGE REE		\$210.11			
	Paying Fund			Cash Account		Amount			
	219 - SB1 Ro	ad Maint & Rehab A	Account	219.11000 (Ca	ash)	\$472.77			
133034	02/17/2022	Open		Accounts Payable		ROEN, CW CONSTRUCTION CO	\$93,076.12		
	Invoice	•	Date	Description	,	Amount			
	PP32/CP15-3	39C	02/14/2022	15-39C RWQ0 Denitrification	CF Secondary Clarifier N - Final	No 5 & \$93,076.12			
	Paying Fund			Cash Account		Amount			
	413 - WQC-C	apital Expansion Re	eserve	413.11000 (Ca	ash)	\$93,076.12			
133035	02/17/2022	Open		,	Accounts Payable	ROLAND PHD, JOCELYN E	\$3,800.00		
	Invoice		Date	Description		Amount			
	19921		02/09/2022		MENT SCREENING	\$225.00			
	19964		02/09/2022	FEBRUARY 2		\$1,000.00			
	19798		02/04/2022		MENT SCREENING	\$475.00			
	19948		02/10/2022	POST OFFER		\$300.00			
	19949		02/10/2022	POST OFFER	SCREENING	\$300.00			
	19965		02/10/2022	POST OFFER		\$300.00			
	19969		02/10/2022	POST OFFER		\$300.00			
	19975		02/10/2022	POST OFFER		\$300.00			
	20003		02/14/2022	POST OFFER		\$300.00			
	20011		02/14/2022	POST OFFER		\$300.00			
	Paying Fund			Cash Account		Amount			
	110 - Genera	I Fund		110.11000 (Ca	ash)	\$3,800.00			

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	Transaction Amount	Reconciled Amount	Difference
133036	02/17/2022	Open			Accounts Payable	S3DVBE DBA: WESTERN FIRE SUPPLY	\$1,183.30		
	Invoice		Date	Description		Amount			
	931		02/14/2022	THERMAL CA	MERA KIT	\$1,183.30			
	Paying Fund			Cash Account		Amount			
	116 - Special	Public Safety		116.11000 (Ca	ash)	\$1,183.30			
133037	02/17/2022	Open			Accounts Payable	SAFARILAND LLC	\$709.86		
	Invoice	- 1 -	Date	Description	···· ·	Amount	,		
	1010-411357		02/09/2022	FAJARDO VE	ST	\$709.86			
	Paying Fund			Cash Account		Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)	\$709.86			
133038	02/17/2022	Open			Accounts Payable	SALVATION ARMY	\$54.00		
100000	Invoice	opon	Date	Description	/ looburile r uyubio	Amount	φ01.00		
	JULY - DEC	2021	02/09/2022		Salvation Army Charita				
	Paying Fund			Cash Account		Amount			
		Clearing Fund		104.11000 (Ca		\$54.00			
133039	02/17/2022	Open		,	Accounts Payable	SAN JOAQUIN VALLEY TEEN CHALLENGE	\$12.00		
	Invoice		Date	Description		Amount			
	JULY - DEC	2021	02/09/2022		- Teen Challenge*	\$12.00			
	Paying Fund			Cash Account		Amount			
	104 - Payroll	Clearing Fund		104.11000 (Ca	ash)	\$12.00			
133040	02/17/2022	Open			Accounts Payable	SCOTTS PPE RECON	\$7,286.31		
100010	Invoice	opon	Date	Description	/ looburile r uyubio	Amount	ψ1,200.01		
	37512		02/04/2022		EAR REPAIR - JANUAF				
	Paying Fund			Cash Account		Ámount			
	110 - Genera	l Fund		110.11000 (Ca	ash)	\$7,286.31			
133041	02/17/2022	Open			Accounts Payable	SEEGERS PRINTING INC	\$439.93		
100041	Invoice	open	Date	Description		Amount	φ-00.00		
	0138012-IN		02/14/2022		ds - MQuintero, RDavis,				
	0137226-IN		02/15/2022		ls Rebecka Monez	\$146.64			
	0138344-IN		02/15/2022	Business Card	ds- Reagan Wilson	\$76.04			
	Paying Fund			Cash Account		Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)	\$222.68			
	502 - Enginee	ering		502.11000 (Ca	ash)	\$217.25			
133042	02/17/2022	Open			Accounts Payable	STALKER RADAR, APPLIED CONCEPTS INC	\$131.44		
	Invoice		Date	Description		Amount			
	396365		02/09/2022		AL INTERFACE BOAR				
	Paying Fund			Cash Account		Amount			
	206 - Traffic S	Safety		206.11000 (Ca	ash)	\$131.44			
133043	02/17/2022	Open			Accounts Payable	STANISLAUS CO SHERIFF'S	\$16,830.00		
	Invoice	· .	Date	Description		Amount			
	2122-EVOC2		02/09/2022	16 Participant	s on 9/29/21	\$3,680.00			
	2122-EVOC1	7	02/09/2022		7, 19 PART-9/21, 11 PA				
	1819-119		02/09/2022		FILING COURSE 2019	\$1,650.00			
	Paying Fund			Cash Account		Amount			

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
	110 - Genera	I Fund		110.11000 (Ca	ash)	_	\$16,830.00			
133044	02/17/2022 Invoice	Open	Date	Description	Accounts Payable	STANISLAUS WILDLI	Amount	\$24.00		
	JULY - DEC 2 Paying Fund	2021 Clearing Fund	02/09/2022	WILD CARE - Cash Account 104.11000 (Ca	Wildlife Care Charitable	e Contrib*	\$24.00 <u>Amount</u> \$24.00			
	-	•		104.11000 (Ca			•			
133045	02/17/2022	Open	Date	Description	Accounts Payable	STATE OF CALIFORN		\$814.00		
	Invoice 553653		02/09/2022	Description	021 FINGERPRINTING	<u>}</u>	Amount \$814.00			
	Paying Fund		02/03/2022	Cash Account		2	Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$814.00			
133046	02/17/2022	Open			Accounts Payable	STERICYCLE INC	•••••••	\$36.75		
133040	Invoice	Open	Date	Description	Accounts Fayable	STERICICEE INC	Amount	φ 30.7 5		
	3005880753		02/10/2022		AFE MONTHLY TREA	TMENT	\$36.75			
	Paying Fund		01, 10, 2022	Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$36.75			
133047	02/17/2022	Open			Accounts Payable	TID		\$1,344.00		
1000 11	Invoice	opon	Date	Description		110	Amount	ψ1,011.00		
	27978		02/11/2022	COMMUNICA	TIONS CABLE POLE A ND HALF OF 2021	TTACHMENT	\$1,344.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera			110.11000 (Ca	,		\$448.00			
	410 - WATEF 420 - WATEF	R QUALITY CON R	TROL (WQC)	410.11000 (Ca 420.11000 (Ca	,		\$448.00 \$448.00			
133048	02/17/2022	Open	_		Accounts Payable	THE MCCLATCHY CO		\$13,117.73		
	Invoice		Date	Description	TO 40 4 04 40 00 04		Amount			
	89313 96233		02/10/2022 02/10/2022		ITS 12.1.21-12.29.21 ITS 12.29.21-1.16.22		\$3,354.67			
	96233 73764		02/10/2022		ITS 12.29.21-1.10.22		\$3,192.68 \$6,570.38			
	Paying Fund		02/10/2022	Cash Account	10 9.29.21-10.0.21		Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$2,136.47			
	410 - WATEF	R QUALITY CON	TROL (WQC)	410.11000 (Ca			\$5,061.28			
	420 - WATEF			420.11000 (Ca			\$4,508.68			
	502 - Enginee	ering		502.11000 (Ca	ash)		\$1,411.30			
133049	02/17/2022 Invoice	Open	Date	Description	Accounts Payable	THORSEN'S-NORQU	ST, INC. Amount	\$257.25		
	1117774		02/10/2022	Service for sev	ver plug - 901 High St.	Ran snake &	\$257.25			
				clear blockage						
	Paying Fund			Cash Account			Amount			
	255 - CDBG			255.11000 (Ca			\$257.25			
133050	02/17/2022	Open	Data	Description	Accounts Payable	TURLOCK ANIMAL SI		\$420.00		
	Invoice JULY - DEC 2	2024	Date 02/09/2022	Description	Animal Control Charital	bla Cantr*	Amount \$420.00			
	Paying Fund	2021	02/09/2022	Cash Account	Animal Control Charita		\$420.00 Amount			
		Clearing Fund		104.11000 (Ca	ash)		\$420.00			
		e.earing i and					÷.20.00			

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	Transaction Amount	Reconciled Amount	Difference
133051	02/17/2022	Open			Accounts Payable	TURLOCK CITY TOW INC	\$130.00		
	Invoice		Date	Description		Amount			
	123483		02/14/2022	TOWING SEF	VICES FOR TPD ON 1/	3/22 \$30.00			
	122998		02/14/2022	TOWING SEF	VICE FOR TPD ON 1/14	4/22 \$35.00			
	124903		02/14/2022	TOWING SEF	VICE FOR TPD ON 1/24	4/22 \$30.00			
	123367		02/14/2022		VICE FOR PD EVIDEN	CE TOW \$35.00			
				12/28/21					
	Paying Fund			Cash Account		Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)	\$130.00			
133052	02/17/2022	Open			Accounts Payable	TURLOCK FIRE DEPT INC TOY ACCOUNT	\$352.00		
	Invoice		Date	Description		Amount			
	JULY - DEC	2021	02/09/2022		Toys for Tots Charitable	Contrib* \$352.00			
	Paying Fund			Cash Account		Amount			
	104 - Payroll	Clearing Fund		104.11000 (Ca	ash)	\$352.00			
133053	02/17/2022	Open			Accounts Payable	TURLOCK JOURNAL	\$700.00		
	Invoice		Date	Description		Amount	+		
	300095		02/11/2022		nter Watering Dec. 2021	\$350.00			
	303713		02/11/2022		nter Watering Feb. 2022				
	Paying Fund			Cash Account		Amount			
	420 - WATEF	र		420.11000 (Ca	ash)	\$700.00			
133054	02/17/2022	Open			Accounts Payable	TURLOCK POLICE CHAPLAINCY	\$420.00		
100004	Invoice	open	Date	Description		Amount	φ-20.00		
	JULY - DEC	2021	02/09/2022		aplin Program*	\$420.00			
	Paying Fund			Cash Account		Amount			
	104 - Payroll	Clearing Fund		104.11000 (Ca	ash)	\$420.00			
133055	02/17/2022	Open			Accounts Payable	TURLOCK POLICE WIDOWS & ORPHANS	\$1,313.00		
	Invoice		Date	Description		Amount			
	JULY - DEC	2021	02/09/2022	PD WIDOW -	Police Widows & Orphar	ns Charitab* \$1,313.00			
	Paying Fund			Cash Account		Amount			
	104 - Payroll	Clearing Fund		104.11000 (Ca	ash)	\$1,313.00			
133056	02/17/2022	Open			Accounts Payable	TURLOCK SPAY & NEUTER CLINIC	\$1.893.86		
	Invoice	opon	Date	Description		Amount	¢ 1,000100		
	1959537		02/09/2022	DECEMBER 2	2021	\$1,893.86			
	Paying Fund			Cash Account		Amount			
	203 - Animal	Fee Forfeiture		203.11000 (Ca	ash)	\$1,378.86			
		Services Grants		266.11000 (Ca	ash)	\$515.00			
133057	02/17/2022	Open			Accounts Payable	TURLOCK TOGETHER	\$80.00		
100007	Invoice	open	Date	Description		Amount	φ00.00		
	JULY - DEC	2021	02/09/2022		urlock Together Charitab				
	Paying Fund		02/00/2022	Cash Account	5	Amount			
		Clearing Fund		104.11000 (Ca		\$80.00			
100050		•			,		¢0 047 50		
133058	02/17/2022 Invoice	Open	Date	Description	Accounts Payable	UNDERWRITERS LAB INC	\$2,317.50		
	72020412473	3	02/10/2022	LADDER TES	TING	Amount \$2,317.50			
	Paying Fund	J	02/10/2022	Cash Account		Amount			
	raying runu			Cash Account		Amount			

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$2,317.50			
133059	02/17/2022 Invoice JULY - DEC 2	Open	Date 02/09/2022	Description	Accounts Payable		SLAUS Amount \$60.00	\$60.00		
	Paying Fund		02,00,2022	Cash Account			Amount			
	104 - Payroll	Clearing Fund		104.11000 (Ca	ash)		\$60.00			
133060	02/17/2022 Invoice	Open	Date	Description	Accounts Payable	US BANK OFFICE EQUIF	MENT Amount	\$66.44		
	465205342		02/14/2022	Lease Agreem	ent for Payroll Copier 0	2/09/22-03/08/22	\$66.44			
	Paying Fund			Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$66.44			
133061	02/17/2022 Invoice	Open	Date	Description	Accounts Payable	V & V MFG INC	Amount	\$515.80		
	54387		02/09/2022	POLICE BADO	SES		\$515.80			
	Paying Fund			Cash Account			Amount			
	110 - Genera	lFund		110.11000 (Ca	ash)		\$515.80			
133062	02/17/2022 Invoice	Open	Date	Description	Accounts Payable	VALLEY PETCARE	Amount	\$2,670.67		
	1960270		02/09/2022	DECEMBER 2	.021		\$2,670.67			
	Paying Fund			Cash Account			Amount			
		Fee Forfeiture		203.11000 (Ca			\$2,236.67			
		Services Grants		266.11000 (Ca	,		\$434.00			
133063	02/17/2022	Open	_		Accounts Payable	VERIZON WIRELESS		\$391.81		
	Invoice		Date	Description			Amount			
	9898772826 Paying Fund		02/10/2022	Cash Account	- FEB 03, 2022		\$391.81 Amount			
	110 - Genera	l Fund		110.11000 (Ca	ach)		\$212.52			
		quipment Replacement		240.11000 (Ca			\$179.29			
133064	02/17/2022	Open		, , , , , , , , , , , , , , , , , , ,	Accounts Payable	Viking Shred, LLC		\$140.00		
	Invoice 51113383		Date	Description	- FIRE/NEIGHBORHOC		Amount \$50.00			
	51113382		02/14/2022	2022	- TPD FEB 2022	D 3VC3 - FEB	\$50.00 \$90.00			
	Paying Fund		02/14/2022	Cash Account	_		Amount			
	110 - Genera	l Fund		110.11000 (Ca			\$140.00			
133065	02/17/2022				,	WESTSIDE MINISTRIES	\$110100	\$24.00		
133065	Invoice	Open	Date	Description	Accounts Payable	WESTSIDE MINISTRIES	Amount	\$ 24.00		
	JULY - DEC 2	2021	02/09/2022		Nestside Ministry Charit	able Con*	\$24.00			
	Paying Fund	2021	02/03/2022	Cash Account			Amount			
		Clearing Fund		104.11000 (Ca	ash)		\$24.00			
133066	02/17/2022	Open			Accounts Payable	BERNARDI, CATHIE		\$106.21		
	Invoice	-	Date	Description	-		Amount			
	1/29/22		02/11/2022		OSIT SPECIAL EVENT		\$106.21			
	Paying Fund			Cash Account			Amount			
	110 - Genera	I Fund		110.11000 (Ca	asn)		\$106.21			

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Pavee Name		Transaction Amount	Reconciled Amount	Difference
133067	02/17/2022	Open			Accounts Payable	CITY OF ROSEVILLE		\$495.00	/	
	Invoice		Date	Description			Amount	• • • • • •		
	TR 4642 TU	TION	12/08/2021	REALISTIC D	E-ESCALATION INSTR	- 1/24 TO 1/25 -	\$495.00			
	Device of Friend			P. INDERBITZ			A			
	Paying Fund 110 - Genera			Cash Account			Amount \$495.00			
				110.11000 (Ca	,		\$495.00			
133068	02/17/2022	Open	_		Accounts Payable	CITY OF ROSEVILLE		\$495.00		
	Invoice		Date	Description			Amount			
	TR 4642 TU	TION	12/08/2021	REALISTIC D C. LAWRENC	E-ESCALATION INSTR E	- 1/24 TO 1/25 -	\$495.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	ll Fund		110.11000 (Ca	ash)		\$495.00			
133069	02/17/2022	Open			Accounts Payable	CWKK CRIMEDEX		\$79.00		
	Invoice		Date	Description			Amount			
	5C7B590E-0	003	02/09/2022	LE SUBSCRIF	PTION JANUARY 2022-	2023	\$79.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	ll Fund		110.11000 (Ca	ash)		\$79.00			
133070	02/17/2022	Open		,	Accounts Payable	Dale, Rachel		\$30.00		
	Invoice		Date	Description			Amount			
	TR 4651 Per		02/07/2022		ner Academy - San Jose	e - 1/24-2/11/22	\$30.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	ll Fund		110.11000 (Ca	ash)		\$30.00			
133071	02/17/2022	Open			Accounts Payable	Garcia, Raul		\$640.00		
	Invoice		Date	Description			Amount			
	TR 4636 Per	Diem	11/22/2021	ICI Homicide -	Monterey - 2/28 to 3/11		\$640.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	ll Fund		110.11000 (Ca	ash)		\$640.00			
133072	02/17/2022	Open			Accounts Payable	GUTIERREZ, RENE		\$102.00		
	Invoice	-	Date	Description			Amount			
	TR 4660 Per	Diem	02/16/2022	MISER Syster 3/2/22	n Training - San Leandr	o, CA - 2/27-	\$102.00			
	Paying Fund			Cash Account			Amount			
	410 - WATER	R QUALITY CON	TROL (WQC)	410.11000 (Ca	ash)		\$102.00			
133073	02/17/2022	Open			Accounts Payable	Hall, David		\$64.00		
	Invoice		Date	Description		,	Amount			
	TR 4632 Per	Diem	02/07/2022	Simunition Sc	enario Instructor - Fresn	o - 1/11-1/13/22	\$64.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	ll Fund		110.11000 (Ca	ash)		\$64.00			
133074	02/17/2022	Open			Accounts Payable	LUGO, MATTHEW		\$132.00		
	Invoice		Date	Description	,		Amount			
	TR 4661 Per	Diem	02/16/2022	RTU Technicia 3/2/22	an Training - San Leand	ro, CA - 2/27-	\$132.00			
	Paying Fund			Cash Account			Amount			
		R QUALITY CON	TROL (WQC)	410.11000 (Ca			\$132.00			
133075	02/17/2022	Open		,	Accounts Payable	LUNSFORD. GARY		\$78.69		
100010	Invoice	Opon	Date	Description	, loounto r ayabio		Amount	φ/ 0.00		
	REIMB 2.1.2	n	02/07/2022		MENT LUNSFORD LUN		\$78.69			

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
	Paying Fund			Cash Account			Amount			
	110 - Gener	al Fund		110.11000 (Ca	sh)		\$78.69			
Type Check AP - Accour	Totals: hts Payable Tota	als			95 Transaction	าร	_	\$818,066.47		
				Checks	Status	Count	Transaction Amount	Re	conciled Amount	
					Open	95	\$818,066.47		\$0.00	
					Reconciled	0	\$0.00		\$0.00	
					Voided	0	\$0.00		\$0.00	
					Stopped	0	\$0.00		\$0.00	
					Total	95	\$818,066.47		\$0.00	
				All	Status	Count	Transaction Amount	Re	conciled Amount	
					Open	95	\$818,066.47		\$0.00	
					Reconciled	0	\$0.00		\$0.00	
					Voided	0	\$0.00		\$0.00	
					Stopped	0	\$0.00		\$0.00	
Grand Tota					Total	95	\$818,066.47		\$0.00	
Granu Tota	13.			Checks	Status	Count	Transaction Amount	Reco	onciled Amount	
					Open	95	\$818,066.47		\$0.00	
					Reconciled	0	\$0.00		\$0.00	
					Voided	0	\$0.00		\$0.00	
					Stopped	0	\$0.00		\$0.00	
					Total	95	\$818,066.47		\$0.00	
				All	Status	Count	Transaction Amount	Reco	onciled Amount	
					Open	95	\$818,066.47		\$0.00	
					Reconciled	0	\$0.00		\$0.00	
					Voided	0	\$0.00		\$0.00	
					Stopped	0	\$0.00		\$0.00	
					Total	95	\$818,066.47		\$0.00	

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Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	Transaction Amount	Reconciled Amount	Difference
AP - Accoun	nts Payable	·							
<u>Check</u>							* ****		
133076	02/22/2022	Open	Data	Description	Accounts Payable	DOWNTOWN FORD SALES INC	\$262,941.60		
	Invoice 319944		Date 02/17/2022	Description	D CAR VIN 44750	Amount \$43.823.60			
	319939		02/17/2022		D UNIT VIN 42609	\$43,823.60 \$43,823.60			
	319943		02/17/2022		D UNIT VIN 38580	\$43,823.60			
	319942		02/17/2022		D UNIT VIN 38467	\$43,823.60			
	319946		02/17/2022	2021 MARKEI		\$43,823.60			
	319945		02/17/2022		KED UNIT VIN 43195	\$43,823.60			
	Paying Fund		02/11/2022	Cash Account		Amount			
		ervices Grants		266.11000 (Ca		\$87,647.20			
		Equipment Replac	cement	506.11000 (Ca	,	\$175,294.40			
133077	02/24/2022	Open		,	Accounts Payable	A-Z BUS SALES INC	\$1,718.95		
155077	Invoice	Open	Date	Description	Accounts r ayable	Amount	ψ1,710.35		
	02P489774		02/16/2022	TRA15-1042P	PP	\$1,718.95			
	Paying Fund		02/10/2022	Cash Account		Amount			
	426 - Transit			426.11000 (Ca		\$1,718.95			
133078	02/24/2022	Open		(Accounts Payable	ABS DIRECT INC	\$11,624.27		
133076	Invoice	Open	Date	Description	Accounts Fayable	ABS DIRECT INC Amount	φ11,024.2 <i>1</i>		
	93236		02/17/2022		DEC 28 2021 NW	\$105.32			
	93355		02/17/2022		NT - JAN 4 2022 NE	\$3,117.64			
	93362		02/17/2022		JAN 5 2022 NE	\$95.57			
	93412		02/17/2022		NT - JAN 11 2022	\$2,526.48			
	93498		02/17/2022		NT - JAN 17 2022	\$2,611.53			
	93415		02/17/2022		JAN 11 2022 SE	\$130.17			
	93499		02/17/2022		JAN 18 2022 SW	\$117.49			
	93577		02/17/2022		NT - JAN 24 2022 NW	\$2,920.07			
	Paying Fund			Cash Account		Amount			
	110 - General			110.11000 (Ca	ash)	\$3,874.73			
	410 - WATER	QUALITY CONTR	ROL (WQC)	410.11000 (Ca	ash)	\$3,874.76			
	420 - WATER			420.11000 (Ca	ash)	\$3,874.78			
133079	02/24/2022	Open			Accounts Payable	AFLAC	\$3,839.98		
100010	Invoice	opon	Date	Description		Amount	<i>\</i> \\\\\\\\\\\\\		
	014358		02/17/2022		EBRUARY 2022	\$3,839.98			
	Paying Fund			Cash Account		Amount			
	104 - Payroll (Clearing Fund		104.11000 (Ca		\$3,839.98			
133080	02/24/2022	Open			Accounts Payable	AFLAC GROUP INSURANCE	\$1,034.43		
100000	Invoice	open	Date	Description	Accounts 1 ayabic	Amount	ψ1,004.40		
	A176314400		02/22/2022	GROUP FEBF	2UARY 2022	\$1,034.43			
	Paying Fund			Cash Account		Amount			
	104 - Payroll (Clearing Fund		104.11000 (Ca		\$1,034.43			
133081	02/24/2022	Open		(Accounts Payable	AIRGAS NCN	\$1,176.51		
133061	Invoice	Open	Date	Description	Accounts Fayable	AIRGAS NCN Amount	φ 1,170.51		
	9986180540		02/22/2022	Cylinder Renta	al Invoice	\$41.69			
	9986180540		02/22/2022	Cylinder Renta		\$1,134.82			
	Paying Fund			Cash Account		Amount			
		QUALITY CONT		410.11000 (Ca		\$1,176.51			

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133082	02/24/2022	Open			Accounts Payable	ALL VALLEY SMOG INC		\$443.25		
	Invoice		Date	Description	,		Amount			
	000110384		02/16/2022	AD08-0439			\$36.75			
	000109642		02/16/2022	POL11-1115			\$36.75			
	000109653		02/16/2022	POL06-1242			\$36.75			
	000109657		02/16/2022	POL08-1282			\$45.00			
	000110452		02/16/2022		00 - INSTALL CATAL	YIC	\$288.00			
	000110402		02/10/2022	CONVERTER			φ200.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera			110.11000 (Ca			\$118.50			
		ape Assessment		246.11000 (Ca			\$36.75			
	426 - Transit			426.11000 (Ca	,		\$288.00			
				420.11000 (Ca	,		φ200.00			
133083	02/24/2022	Open			Accounts Payable	Aramark Uniform Services		\$3,369.24		
	Invoice		Date	Description			Amount			
	1/31/22		02/22/2022	UNIFORM RE	NTAL & LAUNDRY SE	RVICES - JAN	\$3,369.24			
				2022						
	Paying Fund			Cash Account			Amount			
	110 - Genera			110.11000 (Ca			\$1,034.94			
	205 - Sports	Facilities		205.11000 (Ca	ash)		\$126.10			
	217 - Streets			217.11000 (Ca			\$191.40			
	246 - Landsc	ape Assessment		246.11000 (Ca	ash)		\$164.19			
		R QUALITY CONTRO	DL (WQC)	410.11000 (Ca			\$1,226.11			
	420 - WATER			420.11000 (Ca			\$197.65			
	426 - Transit			426.11000 (Ca	/		\$121.60			
	505 - Fleet			505.11000 (Ca	/		\$307.25			
400004		•			,			A O 40 404 07		
133084	02/24/2022	Open	5.	D	Accounts Payable	ARROW CONSTRUCTIO	-	\$243,401.07		
	Invoice		Date	Description			Amount			
	PP1/CP2001	1	02/23/2022		ility Trench Repair - 20	20 (7/01/21-	\$243,401.07			
				12/31/21)						
	Paying Fund			Cash Account			Amount			
		R QUALITY CONTRO	DL (WQC)	410.11000 (Ca			\$121,700.53			
	420 - WATEF	र		420.11000 (Ca	ash)	:	\$121,700.54			
133085	02/24/2022	Open			Accounts Payable	AT&T / CALNET 3		\$5,312.98		
	Invoice	opon	Date	Description			Amount	\$0,01 <u>2</u> .00		
	0000177657	73	02/22/2022		4901 (T1 LINE - 4-way	split) (1/13/22-	\$166.16			
	00001110011	0	01/11/1011	2/12/22)		opiny (1/10/22	<i>Q</i>100.10			
	00001776562	77	02/22/2022		4842 / PSF Phones 209	06323265	\$485.70			
	00001110000		01/11/1011	(1/13/22-2/12/		0020200	φ100.10			
	MULTI 2/24/2	22	02/22/2022		accounts paid on 2/24/2	2 (JAN - FEB	\$3,963.68			
			02/22/2022	2022)			φ0,000.00			
	00001776563	31	02/22/2022		4847 /City-wide system	2096682612957	\$697.44			
	00001110000		02/22/2022	(1/13-2/12/22)		200002012001	φ007.44			
	Paying Fund			Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca			\$4,509.43			
	205 - Sports			205.11000 (Ca	/		\$38.45			
	203 - Sports 217 - Streets			203.11000 (Ca	,		\$30.43 \$4.44			
		ape Assessment		246.11000 (Ca			\$4.44 \$4.44			
	255 - CDBG	ape Assessment		255.11000 (Ca			\$4.44 \$12.46			
	405 - Building	n		405.11000 (Ca			\$38.39			
	400 - Duliulino	J		403.11000 (Ca	2011		400.08			

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		QUALITY CONTRO	DL (WQC)	410.11000 (C	,		\$226.04	·		
	420 - WATER	R		420.11000 (C			\$119.37			
	426 - Transit	tion Toolan alam.		426.11000 (C	,		\$154.39			
		tion Technology		501.11000 (C 502.11000 (C			\$142.34 \$24.59			
	502 - Enginee 505 - Fleet	ling		505.11000 (C			\$24.59 \$38.64			
100000		0		303.11000 (0	,		φ00.0 4	¢ 40 70		
133086	02/24/2022	Open	Dete	Description	Accounts Payable	AT&T MOBILITY	Amount	\$40.73		
	Invoice 7796X021620	199	Date 02/22/2022	Description 992507796 / F	D_IT Line		Amount \$40.73			
	Paying Fund)22	02/22/2022	Cash Account			Amount			
	110 - General	l Fund		110.11000 (C			\$40.73			
133087	02/24/2022	Open			Accounts Payable	BALSWICK'S TIRE SHC	P INC	\$166.94		
	Invoice	opon	Date	Description			Amount	<i><i>ϕ</i>¹<i>ccic</i>¹</i>		
	01-200427		02/15/2022	E-31 - FLAR F	REPAIR		\$166.94			
	Paying Fund			Cash Account	t		Amount			
	110 - Genera	l Fund		110.11000 (C	ash)		\$166.94			
133088	02/24/2022	Open			Accounts Payable	BARTKIEWICZ KRONIC SHANAHAN	K &	\$1,668.10		
	Invoice		Date	Description			Amount			
	1/31/2022		02/22/2022	0	I Services for 2021-22 f	or Jan 2022	\$1,668.10			
	Paying Fund			Cash Account			Amount			
	950 - SRWA			950.11000 (C	,		\$1,668.10			
133089	02/24/2022	Open			Accounts Payable	BONANDER TRUCKS		\$258.87		
	Invoice		Date	Description			Amount			
	256509 256392		02/16/2022 02/16/2022	V #1042PPP V #729			\$128.70 \$87.71			
	256375		02/16/2022	POL12-1121			\$42.46			
	Paying Fund		02/10/2022	Cash Account	t		Amount			
	110 - General	l Fund		110.11000 (C			\$42.46			
	217 - Streets	- Gas Tax		217.11000 (C	ash)		\$87.71			
	426 - Transit			426.11000 (C	ash)		\$128.70			
133090	02/24/2022	Open			Accounts Payable	BUREAU VERITAS NO	AMERICA	\$36,003.75		
	Invoice		Date	Description			Amount			
	21006106		02/16/2022		SERVICES AGREEME		\$10,395.00			
	21006437		02/16/2022		SERVICES AGREEME		\$255.00			
	21016374 22014248		02/16/2022 02/16/2022		SERVICES AGREEME		\$11,497.50 \$10,552.50			
	21006885		02/16/2022		SERVICES FOR BP#		\$1,181.25			
	21016267		02/16/2022		SERVICES FOR BP#		\$1,305.00			
	22010011		02/16/2022		SERVICES FOR BP#		\$817.50			
	Paying Fund			Cash Account	t		Amount			
	405 - Building	1		405.11000 (C	ash)		\$36,003.75			
133091	02/24/2022	Open			Accounts Payable	BURTON'S FIRE, INC		\$4,397.96		
	Invoice W 80232		Date	Description			Amount \$1,104.70			
	W 80232 W 80072		02/17/2022 02/17/2022		TANT AIR LEAK EPLACE ENGINE WIR		\$1,104.70 \$3,293.26			
	Paying Fund		02/11/2022	Cash Account		ING HAINEGO	۵3,293.26 Amount			
							Anount			

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$4,397.96			
133092	02/24/2022 Invoice	Open	Date	Description	Accounts Payable	CALIFORNIA BUILDING OF	FICIALS Amount	\$1,890.00		
	14856		02/16/2022	TRAINING (H/			\$70.00			
	14343		02/16/2022		ALLAWAY, SMITH)		\$780.00			
	14344		02/16/2022	TRAINING			\$1,040.00			
	Device of Fried				UENTES,SCULLY,NID	DEY,DELGADILLO	A			
	Paying Fund 405 - Building			Cash Account 405.11000 (Ca			Amount \$1,890.00			
				405.11000 (Ca	,					
133093	02/24/2022	Open			Accounts Payable	CALIFORNIA DEPT OF TA FEE ADMIN		\$285.10		
	Invoice		Date	Description			Amount			
	02152022VA	LADEZ	02/17/2022	036551	OLL ATTACHMENT F	OR ACCT#100-	\$285.10			
	Paying Fund	Clearing Fund		Cash Account 104.11000 (Ca			Amount \$285.10			
	-	•		104.11000 (Ca			φ205.TU			
133094	02/24/2022	Open			Accounts Payable	CAROLLO ENGINEERS		\$12,995.10		
	Invoice FB18374		Date	Description	NDARY CLARIFIER 5		Amount \$12,995.10			
			02/18/2022	CONST MGM	T -thru 12/31/21	& DENITRI S				
	Paying Fund	apital Expansion Re	0.0 0	Cash Account			Amount			
			serve	413.11000 (Ca			\$12,995.10			
133095	02/24/2022	Open	_		Accounts Payable	CHAMPION INDUSTRIAL		\$5,011.00		
	Invoice		Date	Description			Amount			
	70866 Davies Fred		02/22/2022	2021	intenance & Filter Cha	nge-out - OCT	\$5,011.00			
	Paying Fund 110 - Genera	Eurod		Cash Account 110.11000 (Ca			Amount \$2.645.00			
		R QUALITY CONTRO		410.11000 (Ca			\$2,845.00 \$1,925.00			
	420 - WATER			420.11000 (Ca	,		\$56.00			
	426 - Transit	·		426.11000 (Ca	,		\$50.00			
		tion Technology		501.11000 (Ca			\$285.00			
	505 - Fleet	6,		505.11000 (Ca			\$50.00			
133096	02/24/2022 Invoice	Open	Date	Description	Accounts Payable	CHARTER COMMUNICATI	ONS Amount	\$610.55		
	00000510211	22	02/22/2022		000051 / City Hall (TV	service)	\$540.55			
	07033800216		02/22/2022		703380 / IT Internet 14		\$70.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$46.71			
	410 - WATEF	QUALITY CONTRO	OL (WQC)	410.11000 (Ca	ash)		\$32.10			
	420 - WATEF	ł		420.11000 (Ca	ash)		\$32.10			
	501 - Informa	tion Technology		501.11000 (Ca	ash)		\$499.64			
133097	02/24/2022 Invoice	Open	Date	Description	Accounts Payable	CONDOR EARTH TECH IN	C Amount	\$2,794.75		
	86386		02/22/2022		2021 - January 23, 202	22	\$229.50			
	86383		02/22/2022		nuary 23, 2022		\$2,565.25			
	Paying Fund			Cash Account			Amount			

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
	410 - WATER	QUALITY CONTRO	L (WQC)	410.11000 (Ca	ash)		\$2,794.75			
133098	02/24/2022 Invoice	Open	Date	Description	Accounts Payable	CRIMETEK SECURITY, IN	C. Amount	\$3,265.92		
	65189		02/22/2022	Unarmed Sect 2/13/22	urity Services for Transi	t Center 2/7/22-	\$3,265.92			
	Paying Fund 426 - Transit			Cash Account 426.11000 (Ca			Amount \$3,265.92			
133099	02/24/2022 Invoice	Open	Date	Description	Accounts Payable	CULLIGAN INC	Amount	\$262.00		
	1/25/2022		02/22/2022	FEB 2022	DE-IONIZED WATER	FOR WQC LAB -	\$262.00			
	Paying Fund 420 - WATER			Cash Account 420.11000 (Ca	ash)		Amount \$262.00			
133100	02/24/2022	Open			Accounts Payable	CUMMINS PACIFIC LLC	+	\$1,781.37		
	Invoice Y9-14130		Date 02/16/2022	Description V #1058PP	-		Amount \$786.15			
	Y9-14130 Y9-14732		02/16/2022	OXYGEN SEN	ISOR		\$786.15 \$925.44			
	Y9-15259		02/16/2022	TRA19-1064P	Р		\$69.78			
	Paying Fund 426 - Transit			Cash Account 426.11000 (Ca			Amount \$1,781.37			
133101	420 - Transit 02/24/2022	Open		420.11000 (Ca	Accounts Payable	EDGES ELECTRICAL GRO		\$1,814.59		
133101	Invoice	Open	Date	Description	Accounts Payable	EDGES ELECTRICAL GRO	Amount	φ1,014.39		
	S5443760.00		02/22/2022	LED supplies			\$814.70			
	S5471224.00		02/22/2022	Electrical supp			\$429.76			
	S5442958.00 S5454851.00		02/22/2022 02/22/2022	Electrical supp Electrical supp	blies		\$179.55 \$216.08			
	S5458130.00		02/22/2022	Electrical supp			\$216.08 \$174.50			
	Paying Fund	1	02/22/2022	Cash Account	JIIES		Amount			
	110 - General	Fund		110.11000 (Ca	ash)		\$814.70			
		QUALITY CONTRO	L (WQC)	410.11000 (Ca	,		\$999.89			
133102	02/24/2022	Open			Accounts Payable	FAST TRACK CAR WASH, MADRUGA BROS ENT INC		\$304.50		
	Invoice		Date	Description			Amount			
	27550 Paying Fund		02/22/2022	CAR WASH S Cash Account	ERVICES - JAN 2022		\$304.50 Amount			
	110 - General	Fund		110.11000 (Ca	ash)		\$259.00			
	255 - CDBG			255.11000 (Ca	,		\$3.50			
	405 - Building			405.11000 (Ca	,		\$10.50			
	410 - WATER	QUALITY CONTRO	L (WQC)	410.11000 (Ca	ash)		\$17.50			
	420 - WATER		. ,	420.11000 (Ca	ash)		\$3.50			
	426 - Transit			426.11000 (Ca			\$7.00			
	502 - Enginee	ering		502.11000 (Ca	ash)		\$3.50			
133103	02/24/2022	Open	Dete	Description	Accounts Payable	FASTENAL COMPANY INC		\$156.29		
	Invoice CATUR17870	10	Date 02/16/2022	Description TRA19-1064P	D		Amount \$156.29			
	Paying Fund		02/10/2022	Cash Account	F		Amount			
	426 - Transit			426.11000 (Ca	ash)		\$156.29			

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	Transaction Amount	Reconciled Amount	Difference
133104	02/24/2022	Open			Accounts Payable	FEDERAL EXPRESS	\$169.28		
	Invoice	•	Date	Description		Amount			
	7-665-45581		02/22/2022		IARGES 2/18/22	\$169.28			
	Paying Fund			Cash Account		Amount			
	110 - General	Fund		110.11000 (Ca	ash)	\$157.92			
	420 - WATER			420.11000 (Ca	ash)	\$11.36			
133105	02/24/2022	Open		X	Accounts Payable	FIRST CHOICE INDUSTRIAL SUPPLY INC, DBA NORCAL SUPPLY CO	\$1,534.34		
	Invoice		Date	Description		Amount			
	081525		02/16/2022	JANITORIAL S	SUPPLIES	\$200.96			
	082549		02/16/2022	JANITORIAL S	SUPPLIES	\$803.83			
	082617		02/16/2022	JANITORIAL S	SUPPLIES	\$529.55			
	Paying Fund			Cash Account		Amount			
		QUALITY CON	ITROL (WQC)	410.11000 (Ca		\$1,534.34			
133106	02/24/2022	Open		(Accounts Payable	FISHER SCIENTIFIC PRO INC	\$263.98		
155100	Invoice	Open	Date	Description	Accounts Fayable	Amount	φ203.90		
	9520673		02/18/2022	LAB SUPPLIE	<u>c</u>	\$153.29			
	9572174		02/18/2022	LAB SUPPLIE		\$48.21			
	9406957		02/18/2022	LAB SUPPLIE		\$40.21 \$62.48			
			02/18/2022						
	Paying Fund 410 - WATER	QUALITY CON		Cash Account 410.11000 (Ca	ash)	Amount \$263.98			
400407				110.11000 (00			¢0.400.07		
133107	02/24/2022	Open	Date	Description	Accounts Payable	GCR TIRES & SERVICE	\$2,123.87		
	Invoice 858-47679		02/16/2022	Description EL06-602		Amount \$524.49			
	858-48124		02/16/2022	4 TIRES		\$324.49			
	858-48159			CL20-860		\$420.00			
	858-48182		02/16/2022 02/16/2022	8 TIRES		\$131.54 \$1,040.98			
			02/16/2022						
	Paying Fund	E		Cash Account		Amount			
	110 - General	QUALITY CON		110.11000 (Ca 410.11000 (Ca		\$1,040.98 \$1,082.89			
133108	02/24/2022			410.11000 (00	Accounts Payable	GEOANALYTICAL LAB INC	\$759.38		
133100	Invoice	Open	Date	Description	Accounts Payable	GEOANALT TICAL LAB INC Amount	\$709.30		
	I2B0108		02/18/2022	WASTEWATE		\$677.64			
	I2A0601		02/18/2022	-	ASTEWATER SAMPLES				
	Paying Fund		02/10/2022	Cash Account		Amount			
			ITROL (WQC)	410.11000 (Ca		\$759.38			
133109	02/24/2022	Open			Accounts Payable	GILLIG LLC	\$313.02		
133109	Invoice	Open	Date	Description	Accounts Fayable	Amount	\$313.0Z		
	40890900		02/16/2022	TRA19-1064P	D	\$313.02			
	Paying Fund		02/10/2022	Cash Account	F	Amount			
	426 - Transit			426.11000 (Ca	ash)	\$313.02			
400440	02/24/2022	0		420.11000 (00			¢500.05		
133110		Open	Data	Description	Accounts Payable	GRAINGER INC, W W	\$502.95		
	Invoice		Date	Description		Amount			
	9198726250		02/16/2022	JANITORIAL S		\$384.81			
	9207851537		02/16/2022	JANITORIAL S		\$67.78			
	9205475305		02/16/2022	JANITORIAL S		\$50.36			
	Paying Fund			Cash Account		Amount			

Payment Register

410 WATER QUALITY CONTROL (WQC) 410:1100 (Cash) SS2:25 13111 0224/022 Open Date Description Anount S14.337.97 1motice Date Description Anount S14.337.97 133112 0224/022 Open Anount Anount 133112 0224/022 Open Accounts Payable HD SUPPLY FACILITES S8.711.58 133112 0224/022 Open Accounts Payable HD SUPPLY FACILITES S8.711.58 133113 0224/022 Open Accounts Payable HLMAR LUMBERINC Anount 133113 0224/022 Open Date Description Anount Anount 133113 0224/022 Open Date Description Accounts Payable HLMAR LUMBERINC Maint Faculation S963.79 133114 0218/022 SUPPLIES S407.76 S407.76 S407.76 133114 0224/022 Open Date Accounts Payable HSQ INC Anount 14011000 (Cash) <th>Number</th> <th>Date</th> <th>Status</th> <th>Void Reason</th> <th>Reconciled/ Voided Date</th> <th>Source</th> <th>Payee Name</th> <th></th> <th>Transaction Amount</th> <th>Reconciled Amount</th> <th>Difference</th>	Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
Invoice Date Description Amount 1434544 0222202 Cash Account Amount 13112 02242022 Open Accounts Payable HD SUPPLY FACILITIES \$8,711.58 13312 02242022 Open Accounts Payable HD SUPPLY FACILITIES \$8,711.58 13313 02242022 Open Accounts Payable HD SUPPLY FACILITIES \$8,711.58 13313 02242022 Open Accounts Payable HILMAR LUMBER INC Amount 410<-WATER QUALITY CONTROL (WQC)		410 - WATER	QUALITY CONTRO		410.11000 (Ca	ish)		\$502.95			
Invoice Date Description Amount 1434544 0222202 Cash Account Amount 13112 02242022 Open Accounts Payable HD SUPPLY FACILITIES \$8,711.58 13312 02242022 Open Accounts Payable HD SUPPLY FACILITIES \$8,711.58 13313 02242022 Open Accounts Payable HD SUPPLY FACILITIES \$8,711.58 13313 02242022 Open Accounts Payable HILMAR LUMBER INC Amount 410<-WATER QUALITY CONTROL (WQC)	133111	02/24/2022	Open			Accounts Pavable	HACH COMPANY		\$14.337.97		
Paying Fund Cash Account Amount 13112 2024/2022 Open Accounts Payable HD SUPPLY FACILITES \$8,711.58 13112 2024/2022 Open Accounts Payable HD SUPPLY FACILITES \$8,711.58 13113 142662 Open Accounts Payable HILMAR LUMBER INC Amount 13113 0224/2022 Open Cash Account Amount Set0 75 13114 021/82/022 SUPPLIES Set0 76 Set0 76 13114 0224/2022 Open Cash Account Amount 13114 0224/2022 Open Cash Account Amount 13114 0224/2022 Open Cash Account Amount 13116 0224/0222 Open Accounts Payable <t< td=""><td></td><td>Invoice</td><td></td><td>Date</td><td>Description</td><td>, ,</td><td></td><td>Amount</td><td>· · · · ·</td><td></td><td></td></t<>		Invoice		Date	Description	, ,		Amount	· · · · ·		
410-WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$14.337.97 133112 0224/2022 Open Accounts Payable HD SUPPLY FACILITIES \$8.711.58 MAINTENANCE LTD Accounts Payable HD SUPPLY FACILITIES \$8.711.58 Paying Fund Cash Account Amount Amount 410-WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$8.711.58 133113 0224/2022 Open Accounts Payable HILMAR LUMBER INC. \$969.79 Invoice Date Description Accounts Payable HILMAR LUMBER INC. \$969.79 13313 0224/2022 Open Accounts Payable HILMAR LUMBER INC. \$969.79 110/05ce Date Description Accounts Payable HILMAR LUMBER INC. \$969.79 110/100 O218/2022 SUPPLIES \$407.75 \$407.75 \$407.75 110/100 O218/2022 SUPPLIES \$407.75 \$3.801.88 \$3.801.88 13114 02/074/202 Open Accounts Payable HSQ INC \$3.801.88 13114		12845344		02/22/2022	GSM Bundle			\$14,337.97			
13112 02/24/2022 Open Accounts Payable HD SUPPLY FACILITIES MAINTENANCE LTD MAINTENANCE LTD MAINTEN					Cash Account						
Invoice Date Description Amount 442662 0/18/2022 Sampler (LAB) \$8,711.56 4410 WATER QUALTY CONTROL (WOC) 410.1100 (Cash) \$8,711.56 133113 0/224/2022 Open Accounts Payable HILMAR LUMBER INC \$969.79 Invoice Date Description Annount \$100 (Cash) \$8,711.55 52/767 0/18/2022 CREDIT MEMO STORM #14 PARTS \$101.000 (Cash) \$87.75 52/768 0/18/2022 SUPPLIES \$407.76 \$40.000 (Cash) \$87.75 1010 0/18/2022 SUPPLIES \$87.75 \$30.01.88 \$40.000 (Cash) \$87.76 1101 0/18/2022 Open Cash Account Annount \$30.01.88 1100 Open Accounts Payable HSO INC \$3.801.88 \$3.801.88 1100 Open Accounts Payable JCS PROPERTIES LLC \$3.801.88 1100 Open Account Annount Annount 11000 Date Description <t< td=""><td></td><td>410 - WATER</td><td>QUALITY CONTRO</td><td>DL (WQC)</td><td>410.11000 (Ca</td><td>ish)</td><td></td><td>\$14,337.97</td><td></td><td></td><td></td></t<>		410 - WATER	QUALITY CONTRO	DL (WQC)	410.11000 (Ca	ish)		\$14,337.97			
Bazegez 02/18/2022 Sampler (LAB) \$8,711.58 410 WATER GUALITY CONTROL (WCC) 410.1000 (Cash) \$8,711.58 133113 02/24/2022 Open Accounts Payable HILMAR LUMBER INC \$969.79 Invoice Date Description Accounts Payable HILMAR LUMBER INC \$969.79 133113 02/24/2022 SUPPLIES \$407.76 \$407.76 521767 02/18/2022 SUPPLIES \$666.81 521768 02/18/2022 SUPPLIES \$666.81 110 Cash Account Annount Annount 110 Otreated Fund 110.11000 \$38.201.88 133114 02/24/2022 Open Accounts Payable HSQ INC \$3.801.88 133115 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC Annount 133116 </td <td>133112</td> <td>02/24/2022</td> <td>Open</td> <td></td> <td></td> <td>Accounts Payable</td> <td></td> <td></td> <td>\$8,711.58</td> <td></td> <td></td>	133112	02/24/2022	Open			Accounts Payable			\$8,711.58		
Paying Fund Cash Account Amount 140 WATER ROUALTIY CONTROL (WOC) 410.1000 (Cash) \$8,711:58 13113 02/24/2022 Open Accounts Payable HILMAR LUMBER INC \$969.79 13113 02/24/2022 Open CREDIT MEMO STORM #14 PARTS \$1000 (Cash) \$8,711:58 521756 02/18/2022 SUPPLIES \$4700 /T6 \$869.81 521767 02/18/2022 SUPPLIES \$877.5 76180 02/18/2022 SUPPLIES \$877.5 71010 1000 (Cash) \$877.75 \$882.04 13114 02/24/2022 Open Accounts Payable HSQ INC \$3,801.88 113114 02/24/2022 Open Accounts Payable JCS PROPERTIES LC \$1,471.66 113116 02/24/2022 Open Accounts Payable JCS PROPERTIES LC \$1,471.66 113116 02/24/2022 Open Accounts Payable JCS PROPERTIES LC \$1,471.66 13116 02/24/2022 Open Accounts Payable JOAQUIN ROSE, INC, B & B FLUD <td></td>											
410 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$8,711.58 133113 02/24/2022 Open Accounts Payable HILMAR LUMBER INC \$969.79 1rvoice Date Description Accounts Payable HILMAR LUMBER INC \$969.79 521756 02/16/2022 SUPPLIES \$407.76 \$195.53 516490 02/16/2022 SUPPLIES \$407.76 110 - General Fund Cash Account Anount 110 - General Fund 110.1000 (Cash) \$57.75 133114 02/24/2022 Open Accounts Payable HSQ INC \$3,801.88 133114 02/24/2022 Open Accounts Payable HSQ INC \$3,801.88 133115 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1,471.66 1rvoice Date Description Amount Amount \$1,471.66 1rvoice Date Description Amount \$1,471.66 \$1,471.66 1rvoice Date Description Amount \$1,471.66 \$1,471.6				02/18/2022							
133113 02/24/2022 Open Accounts Payable HILMAR LUMBER INC \$969,79 133113 1/wolce Ozt #2/022 CREDIT MEMO STORM #14 PARTS \$(195,53) \$400/76 521768 02/18/2022 SUPPLIES \$460,0776 \$568,981 516400 02/18/2022 SUPPLIES \$576,000 \$5775 Paying Fund Cash Account Anount Anount 110 - General Fund 10.1000 (Cash) \$\$8775 410 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$\$8775 133114 02/24/2022 Open Accounts Payable HSQ INC \$3.801.88 133115 02/24/2022 Open Account Payable HSQ INC \$3.801.88 133116 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1.471.66 133116 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1.471.66 133116 02/24/2022 Open Account SPayable JOAQUIN ROSE, INC, B & B FLIID \$1.471.66 133116 02/24/2022 Open Accounts Payable JOAQUIN ROSE, INC, B & B FLIID \$1.125											
Invoice Date Description Amount 521767 02/18/2022 SUPPLIES \$407.76 521758 02/18/2022 SUPPLIES \$669.81 F16490 02/18/2022 SUPPLIES \$67.76 Paying Fund Cash Account Amount 110 - General Fund 110.11000 (Cash) \$87.75 410 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$87.76 13114 02/24/2022 Open Accounts Payable HSQ INC \$3.801.88 Invoice Date Description Amount Amount 140 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$87.76 \$3.801.88 Invoice Date Description Amount Amount 1410 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$3.801.88 \$1.471.66 Invoice Date Description Amount Amount 133115 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1.471.66 Invoice Date Description Amount <td></td> <td>410 - WATER</td> <td>QUALITY CONTRO</td> <td>DL (WQC)</td> <td>410.11000 (Ca</td> <td>ish)</td> <td></td> <td>\$8,711.58</td> <td></td> <td></td> <td></td>		410 - WATER	QUALITY CONTRO	DL (WQC)	410.11000 (Ca	ish)		\$8,711.58			
Invoice Date Description Amount 521767 02/18/2022 SUPPLIES \$407.76 521758 02/18/2022 SUPPLIES \$669.81 F16490 02/18/2022 SUPPLIES \$67.76 Paying Fund Cash Account Amount 110 - General Fund 110.11000 (Cash) \$87.75 410 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$87.76 13114 02/24/2022 Open Accounts Payable HSQ INC \$3.801.88 Invoice Date Description Amount Amount 140 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$87.76 \$3.801.88 Invoice Date Description Amount Amount 1410 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$3.801.88 \$1.471.66 Invoice Date Description Amount Amount 133115 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1.471.66 Invoice Date Description Amount <td>133113</td> <td>02/24/2022</td> <td>Open</td> <td></td> <td></td> <td>Accounts Payable</td> <td>HILMAR LUMBER INC</td> <td></td> <td>\$969.79</td> <td></td> <td></td>	133113	02/24/2022	Open			Accounts Payable	HILMAR LUMBER INC		\$969.79		
521758 02/18/2022 SUPPLIES \$407.76 516490 02/18/2022 SUPPLIES \$669.81 Paying Fund Cash Account Amount 110 - General Fund 110.11000 (Cash) \$87.75 110 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$882.04 133114 02/24/2022 Open Accounts Payable HSQ INC \$3,801.88 133115 02/24/2022 Open Accounts Payable HSQ INC \$3,801.88 133115 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1,471.66 110voice Date Description Amount Amount 133115 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1,471.66 11voice Date Description Amount Amount 133116 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1,471.66 133116 02/24/2022 Open Accounts Payable JOAQUIN ROSE, INC, B & B E LUID \$11.25 133116		Invoice		Date	Description						
516490 02/18/2022 SUPPLIES \$669.81 K19812 02/18/2022 SUPPLIES \$37.75 Paying Fund Cash Account Amount 110 - General Fund 110 1000 (Cash) \$387.75 410 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$882.04 133114 02/24/2022 Open Accounts Payable HSQ INC \$3.801.88 1avioice Date Description Amount Amount 210754 02/22/2022 Logic Processor \$3.801.88 133115 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1.471.66 Invoice Date Description Amount Amount Amount 625 - Successor Agency - LMI Cash Account Amount \$1.471.66 \$1.471.66 Invoice Date Description Amount \$1.471.66 \$1.471.66 133116 02/24/2022 Open Accounts Payable JOAQUIN ROSE, INC, B & B FLUID \$11.25 133116 02/24/2022 Open Accoun		521767			CREDIT MEM	O STORM #14 PARTS		(\$195.53)			
K19812 02/18/2022 SUPPLIES \$\$7.75 Paying Fund Cash Account Amount 110 - General Fund 110.11000 (Cash) \$\$87.75 410 - WATER QUALITY CONTROL (WQC) 410.11000 (Cash) \$\$87.75 133114 02/24/2022 Open Accounts Payable HSQ INC \$3,801.88 133115 02/22/2022 Open Accounts Payable JCS PROPERTIES LLC \$1,471.66 133116 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1,471.66 133116 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1,471.66 133116 02/24/2022 Open Accounts Payable JCS PROPERTIES LLC \$1,471.66 133116 02/24/2022 Open Accounts Payable JOAQUIN ROSE, INC, B & B FLUID \$11.25 133116 02/24/2022 Open Accounts Payable JOAQUIN ROSE, INC, B & B FLUID \$11.25 133116 02/24/2022 Open Accounts Payable JOAQUIN ROSE, INC, B & B FLUID \$11.25 133116 <		521758		02/18/2022	SUPPLIES			\$407.76			
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12/6-1/2/22 Amount Paying Fund Cash Account					11/8-12/5/21						
Paying Fund Cash Account Amount		001361540		02/18/2022		RIVIQUE Chemical Syst	ems upgrade	\$2,600.40			
		Paying Fund						Amount			
			QUALITY CONTRO	DL (WQC)		ish)					

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
133118	02/24/2022	Open			Accounts Payable	Life-Assist, Inc		\$594.32		
	Invoice		Date	Description			Amount			
	1178418		02/15/2022	RUSSEL CHE			\$389.69			
	1178883		02/17/2022	Conterra Pro-2	2 Caddy		\$204.63			
	Paying Fund			Cash Account			Amount			
	110 - Genera	ll Fund		110.11000 (Ca	ash)		\$594.32			
133119	02/24/2022	Open			Accounts Payable	MAGIC SANDS MOBILE H	OME	\$499.28		
	Invoice		Date	Description			Amount			
	March 2022		02/16/2022	MOBILE HOM MARCH 2022	E RENT SUBSIDY PRO	DGRAM -	\$499.28			
	Paying Fund			Cash Account			Amount			
	625 - Succes	sor Agency - LMI		625.11000 (Ca	ash)		\$499.28			
133120	02/24/2022	Open			Accounts Payable	MME		\$781.57		
	Invoice	opon	Date	Description			Amount	φr σ ποτ		
	0166893-IN		02/16/2022	CL20-860			\$781.57			
	Paying Fund			Cash Account			Amount			
		R QUALITY CONTR	OL (WQC)	410.11000 (Ca	ash)		\$781.57			
133121	02/24/2022	Open			Accounts Payable	Mountain Cascade, Inc.		\$1,535,094.55		
100121	Invoice	open	Date	Description	Accounts r ayabic	Mouritain Oascade, inc.	Amount	ψ1,000,004.00		
	PP3/CP1869		02/18/2022		Water Dist. System Imp 2	provements \$1,5	535,094.55			
	Paying Fund			Cash Account	-		Amount			
	420 - WATEF	र		420.11000 (Ca	ash)	\$1,5	535,094.55			
133122	02/24/2022	Open			Accounts Payable	NAPA AUTO PARTS		\$350.22		
	Invoice		Date	Description			Amount			
	778598		02/16/2022	TAPE			\$178.60			
	778508		02/16/2022	ST13-7120			\$92.42			
	778831 778845		02/16/2022	EL03-678	П		\$13.38 \$65.82			
	Paying Fund		02/16/2022	TRA19-1064P Cash Account	F		aoo.o∠ Amount			
	217 - Streets			217.11000 (Ca	vch)		\$92.42			
	420 - WATER			420.11000 (Ca			\$13.38			
	426 - Transit			426.11000 (Ca			\$244.42			
133123	02/24/2022	Open	_		Accounts Payable	NEXT LEVEL PARTS INC		\$3,041.84		
	Invoice		Date	Description			Amount			
	8577-372080		02/16/2022	PARTS			\$48.19			
	8577-372101		02/16/2022	EL17-625			\$4.67			
	8577-372186		02/16/2022	OP03-690			\$175.88			
	8577-371878		02/16/2022	ST13-7120			\$178.51			
	8577-371791		02/16/2022	PARTS			\$41.04 \$55.70			
	8577-371807 8577-371603		02/16/2022 02/16/2022	PARTS EL05-611			\$55.72 \$56.24			
	8577-371603		02/16/2022	PARTS			\$3.41			
	8577-371734		02/16/2022	PARTS			\$3.41 \$51.27			
	8577-371732		02/16/2022	PARTS			\$10.25			
	8577-371739		02/16/2022	TRA19-1064P	P		\$87.99			
	8577-371738		02/16/2022	PARTS	•		\$5.70			
	5577 577750	•		. /			ψ0.70			

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
	8577-369709		02/16/2022	PARTS			\$12.98			
	8577-370278		02/16/2022	PARTS			\$17.00			
	8577-372143		02/16/2022	ST13-7120			\$97.29			
	8577-371789		02/16/2022	PARTS			\$97.33			
	8577-371573		02/16/2022	CL15-854			\$62.31			
	8577-368585		02/16/2022	PARTS			\$1,740.19			
	8577-372374		02/16/2022	HG03-350			\$166.19			
	8577-372321		02/16/2022	PK08-4319			\$21.23			
	8577-372361		02/16/2022	PARTS			\$424.73			
	8577-372009		02/16/2022	PARTS			\$76.66			
	8577-372622		02/16/2022	PARTS			\$34.23			
	8577-372661		02/16/2022	WT18-524			\$188.65			
	8577-372581		02/16/2022	PARTS			\$50.18			
	8577-372637		02/16/2022	SC19-961			\$3.99			
	8577-372692		02/16/2022	PK03-4341			\$7.68			
	8577-372582		02/16/2022	PARTS			\$51.27			
	8577-372588		02/16/2022	SP06-4286			\$98.13			
	8577-372604		02/16/2022	PK02-4216			\$24.92			
	8577-372548		02/16/2022	PK02-4216			\$7.65			
	8577-372570		02/16/2022	PK02-4216			\$5.94			
	8577-372390		02/16/2022	REC99-1163			\$279.32			
	8577-371747		02/16/2022	PARTS			\$15.22			
	8577-369295		02/16/2022	Credit for inv #	368585		(\$1,160.12)			
	Paying Fund			Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca	ish)		\$1,040.68			
	205 - Sports I			205.11000 (Ca			\$3.99			
	217 - Streets	- Gas Tax		217.11000 (Ca			\$275.80			
	255 - CDBG			255.11000 (Ca	ish)		\$166.19			
	410 - WATER	QUALITY CONTRO	L (WQC)	410.11000 (Ca			\$397.23			
	420 - WATER	R		420.11000 (Ca			\$239.92			
	426 - Transit			426.11000 (Ca	ish)		\$918.03			
133124	02/24/2022	Open			Accounts Payable	NORMAC INC		\$5,997.73		
100121	Invoice	opon	Date	Description			Amount	\$0,001.10		
	0005469724-	001	02/22/2022	Hoses for WQ	0		\$5,997.73			
	Paying Fund		02,22,2022	Cash Account	•		Amount			
	410 - WATER	QUALITY CONTRO	L (WQC)	410.11000 (Ca	ash)		\$5,997.73			
133125	02/24/2022	Open			Accounts Payable	OREILLY AUTO PARTS		\$219.00		
	Invoice		Date	Description			Amount			
	2800-181541		02/16/2022	PF08-4335			\$19.50			
	2800-182805		02/16/2022	PK02-4216			\$102.95			
	2800-182788		02/16/2022	EL03-678			\$40.82			
	2800-179525		02/16/2022	POL20-1352			\$6.83			
	2800-180620		02/16/2022	BLD01-325			\$48.90			
	Paying Fund			Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca			\$129.28			
	410 - WATER	QUALITY CONTRO	L (WQC)	410.11000 (Ca			\$48.90			
	420 - WATER	R		420.11000 (Ca	ash)		\$40.82			

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
133126	02/24/2022	Open			Accounts Payable	PG&E		\$23,675.10		
	Invoice		Date	Description	,		Amount			
	701 WLNT 2/	10/22	02/22/2022	6224543828-8	3 / 701 S Walnut Rd		\$1,163.83			
	CNG 2/10/22		02/22/2022	8466606707-3	3 / 901 S Walnut Rd CN	G	\$2,433.54			
	WLNT#A 2/1	0/22	02/22/2022	3794250242-0 Fill Station) / 701 S Walnut Rd Ste	A / CNG Slow	\$7,670.94			
	FIRE#4 2/11/	22	02/22/2022	7556584382-0) / 2820 N Walnut-Fire #	ŧ4	\$186.94			
	PSF 2/10/22		02/22/2022	8391988340-1	/ 244 N Broadway-PS	=	\$11,542.85			
	TRANSIT2 2/	10/22	02/22/2022	9448303839-7	/ 1418 N Golden State	Blvd Ste 2	\$454.81			
	TRANSIT1 2/	10/22	02/22/2022	0913752739-7	/ 1418 N Golden State	Blvd Ste 1	\$222.19			
	Paying Fund			Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$11,729.79			
	426 - Transit			426.11000 (Ca	ash)		\$8,347.94			
	505 - Fleet			505.11000 (Ca	ash)		\$3,597.37			
133127	02/24/2022	Open			Accounts Payable	PAXIN PACIFIC EX TIM	CAVATION INC,	\$23,390.05		
	Invoice		Date	Description			Amount			
	RET/CP18-54	4	02/18/2022		provements at Tully &	Tuolumne -	\$23,390.05			
	Paying Fund			Cash Account			Amount			
		- Grant Funded I	Projects	215.11000 (Ca	ash)		\$23,390.05			
133128	02/24/2022	Open			Accounts Payable	Platt Electric Supply		\$2,582.75		
	Invoice		Date	Description			Amount			
	2L37127		02/18/2022	TOOLS FOR			\$138.59			
	2L21263		02/18/2022	LAMPS FOR			\$68.13			
	2L04062		02/18/2022		DUCING BUSHING FO	RHEADWORKS	\$19.32			
	2L04070		02/18/2022		T FOR TRUCK 678		\$36.93			
	2L37192		02/18/2022		R OPTIC LOST COMMI		\$204.76			
	2L70547		02/18/2022		POWER SUP REPLACI	EMENI	\$44.36			
	2M01936		02/18/2022		ITS RESTOCK		\$302.08			
	2L77991		02/18/2022	SUPPLIES			\$135.00			
	2L93985		02/18/2022	TOOLS FOR			\$882.14			
	2L10300		02/18/2022	RESTOCK		-	\$427.15			
	2L34927		02/18/2022	RESTOCK	T MATERIAL FOR INV	ENTORY	\$324.29			
	Paying Fund	•		Cash Account			Amount			
		ape Assessment R QUALITY CON		246.11000 (Ca 410.11000 (Ca			\$1,053.52 \$1,529.23			
133129	02/24/2022	Open			Accounts Payable	PROVOST AND PF ENGINEERING GR	-	\$89,097.57		
	Invoice		Date	Description			Amount			
	89783		02/18/2022	SR01, 20-027	Drinking Water Chlorin	ation - Dec 2021	\$368.30			
	90405		02/22/2022	January 2022	J I		\$48,713.10			
	90366		02/22/2022	January 2022			\$31,792.67			
	90367		02/22/2022	January 2022			\$8,223.50			
	Paying Fund			Cash Account			Amount			
	420 - WATEF	2		420.11000 (Ca	ash)		\$89,097.57			

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name	Transaction Amount	Reconciled Amount	Differenc
133130	02/24/2022	Open			Accounts Payable	SEEGERS PRINTING INC	\$108.64		
	Invoice		Date	Description		Amount			
	0138043-IN		02/16/2022	Business Card	ds - Ethan Johnson	\$54.32			
	0138339-IN		02/22/2022		ds - Juan Gutierrez	\$54.32			
	Paying Fund			Cash Account		Amount			
	405 - Building			405.11000 (Ca		\$54.32			
	426 - Transit			426.11000 (Ca	ash)	\$54.32			
133131	02/24/2022	Open			Accounts Payable	SOFTWAREONE INC	\$71,337.42		
	Invoice		Date	Description		Amount			
	US-PSI-11571	19	02/22/2022	MICROSOFT	LICENSING 2/1/22-1/31	1/23 \$71,337.42			
	Paying Fund			Cash Account		Amount			
	501 - Informat	ion Technology		501.11000 (Ca	ash)	\$71,337.42			
133132	02/24/2022	Open			Accounts Payable	STANISLAUS COUNTY OFFICE OF EDUCATION	\$25.00		
	Invoice		Date	Description		Amount			
	221241		02/24/2022	Conference fe	е	\$25.00			
	Paying Fund			Cash Account		Amount			
	255 - CDBG			255.11000 (Ca		\$25.00			
133133	02/24/2022	Open		,	Accounts Payable	SUPPORT PAYMENT CLEARING	\$439.13		
133133	Invoice	Open	Date	Description	ACCOUNTS F ayable	Amount	φ 4 59.15		
	02152022BEC	CHETT	02/17/2022		ROLL ATTACHMENT	\$439.13			
	Paying Fund		02/11/2022	Cash Account		Amount			
	104 - Payroll C	Clearing Fund		104.11000 (Ca		\$439.13			
133134	02/24/2022	Open			Accounts Payable	TARGET SOLUTIONS INC	\$4,080.00		
	Invoice		Date	Description	MBERSHIP PLATFORM	Amount (1,000,00			
	INV4262		02/17/2022			· · · · · · · · · · · · · · · · · · ·			
	Paying Fund	artment Grants		Cash Account 265.11000 (Ca		Amount \$4,080.00			
				205.11000 (Ca	,				
133135	02/24/2022	Open			Accounts Payable	TURLOCK SCAVENGER/SWEEPING	\$25,078.00		
	Invoice		Date	Description		Amount			
	01-2022		02/22/2022	January 2022		\$25,078.00			
	Paying Fund			Cash Account		Amount			
		pe Assessment		246.11000 (Ca		\$10,031.20			
		QUALITY CONTR		410.11000 (Ca	,	\$15,046.80			
133136	02/24/2022	Open	_		Accounts Payable	US DIGITAL DESIGNS, INC.	\$15,382.06		
	Invoice		Date	Description		Amount			
	22098		02/17/2022		VICES AGREEMENT	\$15,382.06			
	Paying Fund	Freed		Cash Account		Amount			
	110 - General	Fund		110.11000 (Ca	asn)	\$15,382.06			
133137	02/24/2022	Open			Accounts Payable	VWR INTERNATIONAL INC	\$899.84		
	Invoice		Date	Description		Amount			
	8807561818		02/18/2022	Laboratory Su		\$252.12			
	8807556296		02/18/2022	Laboratory Su		\$173.89			
	8807517302		02/18/2022	Laboratory Su		\$456.66			
	8807552252		02/18/2022	Laboratory Su		\$17.17			
	Paying Fund	QUALITY CONTR		Cash Account 410.11000 (Ca		Amount \$882.67			

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Pavee Name		Transaction Amount	Reconciled Amount	Difference
	420 - WATER		- Tolu Roudon	420.11000 (Ca		r ujoo numo	\$17.17	, and and	, and and	Difference
133138	02/24/2022	Open			Accounts Payable	WESTERN VIEW MO	BILE RANCH	\$1,088.51		
	Invoice		Date	Description			Amount			
	March 2022		02/16/2022		E RENT SUBSIDY PRO	OGRAM -	\$1,088.51			
				MARCH 2022						
	Paying Fund			Cash Account			Amount			
	625 - Succes	sor Agency - LMI		625.11000 (Ca	ash)		\$1,088.51			
133139	02/24/2022	Open			Accounts Payable	ZERO NOX INC		\$10,192.29		
	Invoice		Date	Description			Amount			
	JE-1380-VEH	IICLE	02/23/2022		021 TUATARA E1000	ELECTRIC UTV	\$10,192.29			
					NG BALANCE					
	Paying Fund			Cash Account			Amount			
	506 - Vehicle	Equipment Replacer	ment	506.11000 (Ca	ash)		\$10,192.29			
133140	02/24/2022	Open			Accounts Payable	CPCA		\$650.00		
	Invoice		Date	Description			Amount			
	TR 4598 Tuiti	on	11/22/2021		/E Exec. Assist Napa	, CA - 3/7 to 3/9	\$650.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$650.00			
133141	02/24/2022	Open			Accounts Payable	FasTrak Invoice Proce Department	essing	\$6.00		
	Invoice		Date	Description			Amount			
	17122688975	07	02/23/2022		#1317 LP #1523109		\$6.00			
	Paying Fund			Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$6.00			
133142	02/24/2022	Open			Accounts Payable	MORENO, ISAAC		\$147.42		
	Invoice		Date	Description			Amount			
	1/27-1/28/22	MEET	02/04/2022	Mileage to/fror 1/27-1/28/2022	n CSJVRMA Executive 2	Committee Meet	\$147.42			
	Paying Fund			Cash Account			Amount			
	110 - Genera	l Fund		110.11000 (Ca	ash)		\$147.42			
133143	02/24/2022	Open			Accounts Payable	Ruiz, Maria		\$130.00		
	Invoice	- 1	Date	Description		,	Amount	÷••••••		
	TR 4598 Per	Diem	11/22/2021		/E Exec. Assist Napa	, CA - 3/7 to 3/9	\$130.00			
	Paying Fund			Cash Account			Amount			

Payment Register

Number	Date	Status	Void Reason	Reconciled/ Voided Date	Source	Payee Name		Transaction Amount	Reconciled Amount	Difference
	110 - Gene	eral Fund		110.11000 (Ca	ish)		\$130.00			
Type Check AP - Accour	Totals: hts Payable To	tals			68 Transaction	าร	-	\$2,463,236.08		
				Checks	Status	Count	Transaction Amount	Re	conciled Amount	
					Open	68	\$2,463,236.08		\$0.00	
					Reconciled	0	\$0.00		\$0.00	
					Voided	0	\$0.00		\$0.00	
					Stopped	0	\$0.00		\$0.00	
					Total	68	\$2,463,236.08		\$0.00	
				All	Status	Count	Transaction Amount	Re	conciled Amount	
					Open	68	\$2,463,236.08		\$0.00	
					Reconciled	0	\$0.00		\$0.00	
					Voided	0	\$0.00		\$0.00	
					Stopped	0	\$0.00		\$0.00	
Grand Tota	le.				Total	68	\$2,463,236.08		\$0.00	
				Checks	Status	Count	Transaction Amount	Reco	nciled Amount	
					Open	68	\$2,463,236.08		\$0.00	
					Reconciled	0	\$0.00		\$0.00	
					Voided	0	\$0.00		\$0.00	
					Stopped	0	\$0.00		\$0.00	
					Total	68	\$2,463,236.08		\$0.00	
				All	Status	Count	Transaction Amount	Reco	nciled Amount	
					Open	68	\$2,463,236.08		\$0.00	
					Reconciled	0	\$0.00		\$0.00	
					Voided	0	\$0.00		\$0.00	
					Stopped	0	\$0.00		\$0.00	
					Total	68	\$2,463,236.08		\$0.00	

A. CALL TO ORDER - Mayor Bublak called the meeting to order at 6:00 p.m.

B. SALUTE TO THE FLAG

C. ROLL CALL:

Councilmember	Councilmember	Councilmember	Councilmember	Mayor
Larson	Nosrati	Franco	Monez	Bublak
Yes	Yes	Yes	Yes	

PRESENT:Councilmembers Nicole Larson, Andrew Nosrati, Pam Franco, Rebecka
Monez and Mayor Amy BublakABSENT:None

D. DECLARATION OF CONFLICTS: None

1. CLOSED SESSION:

The Closed Session item(s) for this meeting have been agendized and will be heard toward the latter part of the meeting.

2. APPROVAL OF AGENDA AS POSTED OR AMENDED

This is the time for the City Council to remove items from the agenda or to change the order of the agenda. Matters may be taken up out of order of the established agenda by a four-fifths vote of the City Council.

Councilmember Monez requested that Action Items 9C, 9A, and 9F are moved to the front of the agenda, and that Public Participation Item 4 be moved to the end of the agenda.

Action: Motion by Councilmember Monez, seconded by Councilmember Franco, approving the amended agenda. Motion carried 3/2 by the following vote:

Councilmember	Councilmember	Councilmember	Councilmember	Mayor
Larson	Nosrati	Franco	Monez	Bublak
No	No	Yes	Yes	Yes

3. PROCLAMATIONS, RECOGNITIONS, APPOINTMENTS, ANNOUNCEMENTS, PRESENTATIONS, AND BRIEFINGS:

- A. <u>Employee of the Month</u>: Maria Ruiz, Staff Services Assistant, Police Department November 2021
- **B.** <u>Employee of the Month</u>: Sam Silveira, Info. Tech. Analyst II, IT Department December 2021.

C. <u>Proclamation</u>: In Honor of Retiring Fire Marshal Mark Gomez.

Mayor Bublak read a Proclamation honoring Mark Gomez's "27 Years of Service" to the City of Turlock.

D. <u>*Proclamation*</u>: In Honor of Retiring Police Captain Steve Williams.

Mayor Bublak read a Proclamation honoring Captain Steve Williams for his 33 years of service.

E. <u>Presentation</u>: Self-Help Enterprises presented an update regarding Montana Estates and affordable home ownership in Turlock in 2022. Mayor Bublak suggested that he follow up with Maria Ramos and Reagan Wilson regarding this project.

Action Item 9C was heard out of order prior to the Consent Calendar.

9C. Request to authorize the Turlock Downtown Property Owners Association to change the color of the planter pots throughout the Downtown District in accordance with the adopted Downtown Design Guidelines.

Director Van Guilder presented the item and Downtown Property Owner's Association representative, Lori Smith, said that all of the downtown property owners as well as the Property Owner's Association unanimously supports this project.

Mayor Bublak opened public comment.

The following members of the public spoke:

Ron Bridegroom

Mayor Bublak closed public comment.

Additional Council discussion included acknowledging and thanking all of the volunteers for all their hard work and dedication to keeping Turlock beautiful. Councilmember Franco said that she would like to help when it comes time to stain the pots.

Action: <u>Resolution No. 2022-031</u>: Motion by Councilmember Franco, seconded by Councilmember Monez, authorize the Turlock Downtown Property Owners Association to change the color of the planter pots throughout the Downtown District in accordance with the adopted Downtown Design Guidelines. Motion carried 5/0 by the following vote:

Councilmember	Councilmember	Councilmember	Councilmember	Mayor
Larson	Nosrati	Franco	Monez	Bublak
Yes	Yes	Yes	Yes	Yes

Action Item 9A was heard out of order prior to the Consent Calendar.

9A. Request to accept the report of the Ad Hoc Committee on the Homeless and direct City Manager to return to the City Council with proposed expenditures for Council action.

Councilmember Monez presented a staff report outlining a strategic multifaceted approach to combat the homelessness challenge that Turlock faces. Mr. Lewis addressed the issues regarding homeless families and that they are harder to find throughout the city.

Council and staff discussion included concerns regarding mental and behavioral health, job placement programs, and substance abuse help for the homeless.

Mayor Bublak opened public comment.

The following members of the public spoke:

Amber Young Shirley Mellard Miguel Donodo Milt Treiweiler Ron Bridegroom Cheryl Robert Puffer

Mayor Bublak closed public comment.

Councilmember Monez addressed the various concerns that the public had in regards to their concerns on mental health and substance abuse help programs.

Councilmember Larson said that Stanislaus State University has emergency funds for students for food and housing and that the City should keep that in mind.

Councilmember Nosrati addressed the public saying that the Council and all City Staff has compassion for the homeless and that the City is trying to provide a path to help those find shelter.

Action: <u>Motion</u>: Motion by Councilmember Larson, seconded by Councilmember Nosrati, to accept the report of the Ad Hoc Committee on the homeless and direct City Manager to return to the City Council with proposed expenditures for Council action. Motion carried 5/0 by the following vote:

Councilmember	Councilmember	Councilmember	Councilmember	Mayor
Larson	Nosrati	Franco	Monez	Bublak
Yes	Yes	Yes	Yes	Yes

Action Item 9F was heard out of order prior to the Consent Calendar.

9F. Request to adopt amendments to the Fiscal Year 2021-2022 Budget as a result of the mid-year budget review.

Finance Director, Isaac Moreno presented the presentation on the Mid-Year Budget review.

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Councilmember Larson asked about anticipating additional overtime costs for public safety. Isaac Moreno said that the numbers have been forecasted to the end of the year.

Mayor Bublak opened public comment.

The following members of the public spoke:

Robert Puffer Ron Bridegroom

Mayor Bublak closed public comment.

Isaac Moreno addressed the public comments.

Council voted for each augmentation and provided a yes or no vote, and indicated their funding choice.

The votes for amendments to the Fiscal Year 2021-2022 Budget Unfunded Augmentation Request Summary are as follows:

		Councilmember Larson	Councilmember Nosrati	Councilmember Franco	Councilmember Monez	Mayor Bublak
EX	PENSES		I	<u> </u>	<u> </u>	
GE	NERAL GOVERNMENT					
1	Office Equipment & Furniture: Scanner	Y / GF	Y / GF	Y / GF	Y / GF	Y / GF
2	Succession Planning & Leadership Academy: To establish the standards and procedures of succession planning to meet the future workforce needs of the City.	Y / GF	Y / GF	Y / GF	Y / GF	Y / GF
3	Transfers Out to Fund 502 Engineering from Fund 110-Fee Subsidy: Augment Engineering for Fee subsidy from the General Fund.	Y / GF	Y / GF	Y / GF	Y / GF	Y / GF
PO	LICE SERVICES					
4	Full Time Salaries – Unfreeze two Community Service Officers (Salary & Benefits): <i>Positions frozen in FY 20-21</i> .	Y / Measure A	Y / Measure A	Y / Measure A	Y / Measure A	Y / Measure A
5	Overtime Standard: Historically underbudgeted.	Y / GF	Y / Measure A	Y / Measure A	Y / Measure A	Y / Measure A
6	Overtime Community Assistance Response Engagement: Increase response to issues related to program.	Y / GF	Y / Measure A	Y / Measure A	Y / Measure A	Y / Measure A
7	Overtime Collateral Duty Training: Tracked separately from regular patrol overtime.	Y / GF	Y / GF	Y / Measure A	Y / Measure A	Y / Measure A
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8 9	Transfers Out for Vehicle Replacement: Amount required each year to sustain	Y / Measure A	Y / GF	Y / GF	Y / GF	Y / GF
9	equipment replacement.					
	Transfers Out to Fund 240 for Police Equipment: Amount required each year to sustain equipment replacement.	Y / Measure A	Y / GF	Y / GF	Y / GF	Y / GF
FIR	E SERVICES			I		
10	Overtime Standard (Salary & Benefits): Needed to staff all four fire stations	Y / Measure A				
	/ENUE ID 502 ENGINEERING					
12	Transfers in from Fund 110 to Fund 502 Engineering-Fee Subsidy: Augmentation to Engineering for Fee subsidy from the General Fund.	Y	Y	Y	Y	Y
	PENSES ND 502 ENGINEERING					
13	Full Time Salaries-Unfreeze Traffic Technician (Salary & Benefits 4/1/22 - 6/30/22): Frozen in FY20-21. Address traffic complaints, infrastructure, and respond to inquiries on traffic related concerns. This position will minimize risk associated with the transportation network and will generate a small portion of revenue to help offset its costs.	Y / GF				
14	Full Time Salaries - Reclassify Staff Services Assistant to Staff Services Technician: The Engineering allocated positions are flat in the Administrative area which prohibits personal growth and makes it harder for the Division to retain qualified staff. This reclassification will allow for better retention of a trained workforce. The Staff Services Technician will be assigned more complex duties including financial and reporting responsibilities.	Y / GF				
15	Full Time Salaries – Staff Services Analyst - NEW (Salary & Benefits): Responsible for the Assessment District program. This would create a single point of contact to oversee the activities and formation of new Assessment districts, manage the annual reporting process, and mitigate risk.	Y / GF				
16	Full Time Salaries – Unfreeze Land Surveyor (Salary & Benefits): Frozen in FY20 - 21. Position will work primarily with capital projects and will generate sufficient revenue to offset the costs.	Y / GF				
17	Full Time Salaries – Unfreeze Engineering Tech Sr (Salary & Benefits 1/1/22 - 6/30/22): Frozen in FY 20-21. Works on capital projects and permits and will generate sufficient revenue to offset the costs.	Y / GF				

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	/ENUE NERAL FUND REQUESTS					
1	Sales Tax Current	Y	Y	Y	Y	Y
2	Sales Tax – Measure A	Y	Y	Y	Y	Y
	PENSES Y MANAGER			I	I	1
3	Reclassify one Office Assistant I (Range 14.3) to Executive Assistant to City Manager/City Clerk Trainee. This position is warranted for the purpose of cross training and to have backup staff. There are no additional funds needed due to salary saves.	Y	Y	Y	Y	Y
HUI	MAN RESOURCES		1		I	1
7	Reclassify one Human Resources Technician (Confidential salary range 21.2) to a Human Resources Analyst (Confidential salary range 28.0) to reflect the scope of responsibilities and duties being performed by the incumbent. There is no additional funds needed due to salary saves.	Y	Y	Y	Y	Y
FIR	E SERVICES		•			•
8	Augmentation due to retirement of Fire Marshal, contract will need be executed to meet state requirements for annual fire inspections.	Y / GF	Y / GF	Y / Measure A	Y / Measure A	Y / Measure A
PAF	RKS-MAINTENANCE				I	I
9	Equipment Rental	Y / GF	Y / GF	Y / GF	Y / GF	Y / GF
	/ENUE ID 257 – STATE HOME FUNDS					1
10	HOME-ARP reimbursement funds (account to be created)	Y	Y	Y	Y	Y
	PENSES ID 257 – STATE HOME FUNDS					
11	Salary Charges from Other Departments	Y	Y	Y	Y	Y
	ND 410 – WATER QUALITY NTROL		1		1	1
12	Reinstate the position of Regulatory Affairs Division Manager	Y	Y	Y	Y	Y
FUN	ND 420 – WATER ENTERPRISE			I	1	
13	Reinstate the position of Regulatory Affairs Division Manager	Y	Y	Y	Y	Y
14	PCE Monitoring & Remediation	Y	Y	Y	Y	Y

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Action: <u>Resolution No. 2022-033</u>: Motion by Councilmember Franco, seconded by Councilmember Larson, adopting amendments to the Fiscal Year 2021-2022 Budget as a result of the mid-year budget review. Motion carried 5/0 by the following vote:

Councilmember	Councilmember	Councilmember	Councilmember	Mayor
Larson	Nosrati	Franco	Monez	Bublak
Yes	Yes	Yes	Yes	Yes

5. MOTION WAIVING READING OF ALL ORDINANCES ON THE AGENDA, EXCEPT BY TITLE

Action: Motion by Councilmember Larson, seconded by Councilmember Monez, to waive the reading of all ordinances on the agenda, except by title. Motion carried 5/0 by the following vote:

Councilmember	Councilmember	Councilmember	Councilmember	Mayor
Larson	Nosrati	Franco	Monez	Bublak
Yes	Yes	Yes	Yes	Yes

6. CONSENT CALENDAR:

Information concerning the consent items listed hereinbelow has been forwarded to each Councilmember prior to this meeting for study. Unless the Mayor, a Councilmember or member of the audience has questions concerning the Consent Calendar, the items are approved at one time by the Council. The action taken by the Council in approving the consent items is set forth in the explanation of the individual items.

- A. <u>**Resolution No. 2022-023**</u>: Accepting Weekly Demands of 1/28/22 in the amount of \$520,695.28; Weekly Demands of 2/4/22 in the amount of \$4,090,960.73
- B. <u>Motion</u>: Accepting Minutes of the Regular Meeting of February 8, 2022
- C. <u>Motion</u>: Approval of Contract Change Order No. 3 in the amount of \$42,850.64 (Fund 420) with Clark Bros., Inc., of Fresno, California, for City Project No. 20-027 "City Wide Chlorination" bringing the contract total to \$4,417,732.15
- D. <u>Motion</u>: Approving Contract Change Order No. 2 in the amount of \$3,648 (Non-General Fund Fund 410) with Arrow Construction, Inc., of Sacramento, California, for City Project No. 20-011 "City Utility Trench Repair 2020" bringing the contract total to \$288,387.65 <u>Resolution No. 2022-024</u>: Appropriating \$158,000 to account number 410-51-531.43145 "Pave Trenches" from Fund 410 "Water Quality Control (WQC)" unassigned reserves and \$158,000 to account number 420-52-550.43145 "Pave Trenches" from Fund 420 "Water" unassigned reserves to provide necessary funding for City Project No. 20-011 "City Utility Trench Repair 2020"
- E. <u>Motion</u>: Approving Amendment No. 7 to an Agreement with Carollo Engineers of Walnut Creek, California, in the amount of \$142,508 (Non-General Fund Fund 420) for SCADA programming of Well No. 8 as part of City Project No. 18-69 "Surface Water Distribution System Improvements"
- F. <u>Motion</u>: Authorizing staff to proceed with the procurement of professional engineering services and a construction contract for the repair of Washington Road bridge railing in the amount of \$250,000 to be funded from Fund 218 "Measure L" account number 218-40-461.51270 "Construction Project"

- G. <u>Motion</u>: Approving the Final Map and Subdivision Improvement Agreement with Modesto Roselle, LLC, conditioned upon construction of improvements for the McCoon subdivision (VTSM 2006-09, Development Project No. 0673), developed by Modesto Roselle, LLC
- H. <u>**Resolution No. 2022-025**</u>: Declaring the Intention to Order Annexation No. 33 for the property located at 4510 Crowell Road (Stanislaus County Assessor's Parcel 071-002-012) to Existing Community Facilities District No. 2 (Services Mitigation)
- I. <u>Motion</u>: Authorizing issuance of a Request for Proposal (RFP) for a Sewer Rate and Fee Study
- J. <u>Motion</u>: Approving an Agreement with Shape, Inc. for purchasing of Flygt brand submersible pumps and associated parts in an amount not to exceed \$150,000 (nongeneral fund) for the period February 22, 2022 through June 30, 2022, and an annual amount not to exceed \$250,000, over the remaining five (5) year term of the Agreement, for a total compensation not to exceed of \$1,150,00 if all renewal periods are exercised
- K. <u>Motion</u>: Approving Amendment No. 1 to Agreement No. 2020-0059 between the City of Turlock and Provost & Pritchard Consulting Group for the Downtown Turlock Perchloroethylene (PCE) Project Proposition 1 Groundwater Cleanup Grant to include Environmental Services Related to Indoor Air Sampling and to increase compensation by \$49,750, plus a 10% contingency of \$4,975 for a total amount not to exceed \$1,545,230 (non-general fund) over the 6-year term of the Agreement, if all renewal periods are exercised

<u>Resolution No. 2022-026</u>: Appropriating \$54,725 to account number 420-52-550.43504 "PCE Monitoring & Remediation" from Fund 420 "Water" from unassigned reserves for Environmental Services Related to PCE

- L. <u>**Resolution No. 2022-027**</u>: Approving the revision to the Regulations for Alternate Work Schedules Pursuant to Personnel System Rules and Regulations 19.10
- M. <u>**Resolution No. 2022-028**</u>: Approving revisions to the job description for Executive Assistant to the City Manager/City Clerk
- N. <u>**Resolution No. 2022-029</u>**: Reaffirming the Director of Emergency Services Proclamation of Existence</u>
 - of a Local Emergency in response to COVID-19
- O. <u>**Resolution No. 2022-030**</u>: Authorizing the submittal of a Notification of Intent to Comply to CalRecycle and authorizing the City Manager or his/her designee to sign any and all necessary documents
 - Action: Motion by Councilmember Larson, seconded by Councilmember Monez, adopting the consent calendar. Motion carried 5/0 by the following vote:

(Councilmember	Councilmember	Councilmember	Councilmember	Mayor
	Larson	Nosrati	Franco	Monez	Bublak
	Yes	Yes	Yes	Yes	Yes

7. FINAL READINGS:

A. Request to accept the results of the Proposition 218 process for the consideration of increasing the monthly solid waste fees/charges effective April 1, 2022 AND amend Turlock Municipal Code Title 6, Chapter 3, Article 1, Section 01 titled Garbage, Rubbish, and Organic Refuse to implement updated fees/charges for property related to solid waste services. (*Madden*)

Deputy City Clerk Lisa Schimmelfennig read the Ordinance title into the record.

Mayor Bublak opened public comment. Nobody from the public spoke and Mayor Bublak closed public comment.

Action: <u>Ordinance No. 1289-CS</u>: Motion by Councilmember Franco, seconded by Councilmember Monez, amending Turlock Municipal Code Title 6, Chapter 3, Article 1, Section 01 titled Garbage, Rubbish, and Organic Refuse to implement updated fees/charges for property related to solid waste services. Motion carried 3/2 by the following vote:

Councilmember	Councilmember	Councilmember	Councilmember	Mayor
Larson	Nosrati	Franco	Monez	Bublak
No	No	Yes	Yes	Yes

8. **PUBLIC HEARINGS:** None

9. ACTION ITEMS:

- A. Action Item 9A was heard before Consent Calendar Item 6.
- B. Request authorize the City Manager to begin the implementation of recommendations from the Geographic Information System (GIS) Strategic Plan performed in 2019 by VESTRA resources Inc., AND approve the creation and funding for one Full Time Employee (FTE) position of GIS Coordinator, funded by effected Departments and Permit fees, AND authorize staff to solicit a Request for Proposal from qualified firms to provide GIS support services

Action Item 9B was been continued to the March 8, 2022 City Council Meeting.

- C. Action Item 9C was heard before Consent Calendar Item 6.
- D. Request to direct staff to proceed with preparation of plans, specifications, and advertising for City Project 21-044 "Pedretti Park Lighting Improvements", AND accept a grant award from Turlock Irrigation District for \$150,482 for lighting upgrades at Pedretti Park, AND appropriate \$25,000 to account 120-10-120.51270 "Pedretti Park Lighting Improvements" from Fund 120 Tourism unassigned reserve for preliminary engineering on City project 21-044.

Parks & Recreation Public Facilities Supervisor, Mark Crivelli, presented the staff report and PowerPoint presentation.

Council and Staff discussed the expenses and the associated cost savings of upgrading the lighting at Pedretti Park.

Mayor Bublak opened public comment.

The following members of the public spoke:

Robert Puffer Cheryl Mayor Bublak closed public comment.

Councilmember Monez asked if the funds from Prop 68 were still available. Parks & Recreation Director Allison Van Guilder said no.

Councilmember Larson mentioned how much Pedretti Park needs these upgrades.

Councilmember Nosrati said that he would like to see the maintenance costs. He said that he wants to invest in the parks.

Councilmember Franco said that soon, the city won't have the option to buy the existing bulbs that are currently being used. She suggested that Parks & Recreation adds a line item in the future CIP budget for the cost of the bulbs.

Action: <u>Motion</u>: Motion by Councilmember Monez, seconded by Councilmember Franco, to directing staff to proceed with preparation of plans, specifications, and advertising for City Project 21-044 "Pedretti Park Lighting Improvements".

<u>Motion</u>: Accepting a grant award from Turlock Irrigation District for \$150,482 for lighting upgrades at Pedretti Park

<u>Resolution No. 2022-032</u>: Appropriating \$25,000 to account 120-10-120.51270 "Pedretti Park Lighting Improvements" from Fund 120 Tourism unassigned reserve for preliminary engineering on City project 21-044

Councilmember	Councilmember	Councilmember	Councilmember	Mayor
Larson	Nosrati	Franco	Monez	Bublak
Yes	Yes	Yes	Yes	Yes

E. Request to approve a Master Lease-Purchase Agreement with PNC Equipment Finance for the lease of two (2) Pierce Velocity Pumpers without compliance to the formal bid procedure pursuant to Turlock Municipal Code Section 2-7-08(b)(2), for a period of fifteen (15) with an annual compensation amount not to exceed \$152,712.88 and a total amount for all fifteen (15) years not to exceed \$2,290,693.20.

Council and Staff discussion included that the funding source will be Measure A, the new trucks will be energy efficient, the length of time for the RPF process, and that the first lease payment would be March 2023 with delivery of the new trucks by July 2023.

Mayor Bublak opened public comment.

The following members of the public spoke:

Ron Bridegroom Robert Puffer

Mayor Bublak closed public comment.

Fire Chief Ernst and Fire Chief Wise responded to the questions asked by the public.

Action: <u>Motion</u>: Motion by Councilmember Monez and seconded by Councilmember Franco to approve a Master Lease-Purchase Agreement with PNC Equipment Finance for the lease of two (2) Pierce Velocity Pumpers without compliance to the formal bid procedure pursuant to Turlock Municipal Code Section 2-7-08(b)(2), for a period of fifteen (15) with an annual compensation amount not to exceed \$152,712.88 and a total amount for all fifteen (15) years not to exceed \$2,290,693.20. Motion carried 4/1 by the following vote:

Councilmember	Councilmember	Councilmember	Councilmember	Mayor
Larson	Nosrati	Franco	Monez	Bublak
No	Yes	Yes	Yes	Yes

10. CITY MANAGER REPORTS/UPDATES:

Fire Chief Wise gave the City Council an update regarding Turlock Fire transitioning over to Modesto Fire, he spoke about multiple personnel updates, including promotions and departures, and that the Fire Master Plan should be completed by the end of the month.

4. **PUBLIC PARTICIPATION:** Moved to the end of the agenda by Councilmember Monez.

Pursuant to California Government Code Section 54954.3(a), this is the time set aside for members of the public to directly address the City Council on any item of interest to the public that is within the subject matter jurisdiction of the City Council and to address the Council on any item on tonight's agenda, including Consent Calendar items. You will be allowed five (5) minutes for your comments. If you wish to speak regarding an item on the agenda, you may be asked to defer your remarks until the Council addresses the matter.

Pursuant to California Government Code Section 54954.2(a)(3), no action or discussion may be undertaken on any item not appearing on the posted agenda, except that the City Council, or its staff, may briefly respond to comments or questions from members of the public, provide a reference to staff or other resources for factual information, or direct staff to place the issue on a future agenda.

Milt Treiweiler Ron Bridegroom Robert Puffer

Mayor Bublak closed Public Participation.

11. COUNCIL ITEMS FOR FUTURE CONSIDERATION:

Councilmember Larson reminded Staff about her desire to speak about the possibility of updating the City Council Zoom policy.

Mayor Bublak said that after all of the Councilmembers have hosted the ARPA forums in their districts, the City Council will have a workshop to brainstorm and discuss the results.

12. COUNCILMEMBER QUESTIONS, COMMENTS, AND ANNOUNCEMENTS

Councilmembers may ask questions, provide comments, and make brief announcements on notable topics of interest. The Brown Act does not allow discussion or action by the legislative body.

Councilmember Nosrati spoke about not moving the Public Participation to the end of the agenda. would like to improve community gardens, and traffic signal timing.

Councilmember Larson said that staff should keep an eye on federal grants like the Investment and Jobs Act. She said she would love to get additional federal funding. She also talked about recent violence in the Downtown area and that Council should continue the discussion about having a dedicated officer in the Downtown area.

Councilmember Franco said that she hosted three ARPA meetings in her district and not very many people have been showing up. There were 7 people that came to her first meeting, 5 people at the 2nd meeting, and 1 person at the 3rd meeting.

Councilmember Monez addressed the public's concern regarding moving Item 4, Public Participation to the end of the agenda.

Mayor Bublak said that Staff can follow up with anyone who has comments or concerns during Public Participation by either contacting them directly or posting responses online.

13. **CLOSED SESSION:**

City Attorney George Petrulakis said that the Closed Session item listed on the agenda was not ready for discussion at this time.

Α.

<u>Liability Claims</u>, Cal. Gov't Code §54956.95 "For the purposes of [Section 54956.9], 'existing facts and circumstances' shall consist only of one of the following: The receipt of a claim pursuant to the Government Claims Act (Division 3.6 (commencing with Section 810) of Title 1 of the Government Code) or some other written communication from a potential plaintiff threatening litigation, which claim or communication shall be available for public inspection pursuant to Section 54957.5." Claimant: James and Cynthia Zontek Agency Claimed Against: City of Turlock

14. **REPORTS FROM CLOSED SESSION: None**

15. ADJOURNMENT

Mayor Bublak adjourned the regular meeting at 10:19 p.m. Motion carried unanimously.

RESPECTFULLY SUBMITTED



From:Katie Quintero
Deputy Director of Development Services / Planning ManagerPrepared by:Randall Jones, Associate Engineer

Agendized by: Reagan M. Wilson, City Manager

1. ACTION RECOMMENDED:

- Resolution: Appropriating \$36,834.95 to account number 215-40-420.51210 "Federal Street Projects" to be funded from Fund 218 "Measure L" unallocated reserves to provide necessary funding for City Project No. 16-56 "Intersection Improvements at Lander Ave and F St"
- Motion: Approving Contract Change Order No. 2 (Final) in the increased amount of \$53,451.50 (Non-General Fund Fund 215) for City Project No. 16-56 "Intersection Improvements at Lander Ave and F St." bringing the contract total to \$530,774.50
- Motion: Accepting improvements for City Project No. 16-56 "Intersection Improvements at Lander Ave and F St." and authorizing the City Engineer to file a Notice of Completion

2. SYNOPSIS:

This action approves Contract Change Order No. 2 (Final), accepts the project improvements, and authorizes the City Engineer to file a Notice of Completion.

3. DISCUSSION OF ISSUE:

On May 12, 2020, City Council approved an agreement with Sinclair General Engineering Construction of Oakdale, California, for the construction of City Project No. 16-56 "Intersection Improvements at Lander Ave and F St." Construction has been completed in accordance with the approved plans and specifications.

Change Order History:

	Amount	City Council Meeting
Original Contract	\$468,703.00	May 12, 2020
Change Order No. 1	\$ 8,620.00	January 8, 2021*
Change Order No. 2 (Final)	\$ 53,451.50	March 8, 2022
Total Contract	\$530,774.50	

* Approved by the City Engineer in accordance with Resolution 2009-246.

Change Order No. 2 (Final) includes the following items of work:

• Additional Demo and Asphalt Prep – \$9,030

Project plans included paving 85 feet of F Street for installation of new traffic loops. During construction, staff directed the contractor to perform additional paving work on F Street. Contractor paved F Street from Lander Avenue to 9th Street. This item is for the demolition and road preparation. The asphalt work is included in the final quantities adjustment.

• Additional Traffic Control for Storm Installation – \$9,482

Project plans showed an existing storm drain in a straight line between existing manholes. The storm drain was shown adjacent to the curb and gutter. During construction, the actual storm drain line had an arc shape between the two manholes and was in the center of the travel lane. The contractor had to rent K rails and message boards to safely perform the work. The K rails provided a concrete barrier between the work zone and traffic. The message boards were to alert traffic to merge lanes and follow the detour.

• Landscape Grading – \$2,956

The project included installing the traffic signal controller on new sidewalk. The existing landscaping was two feet above the new sidewalk. Staff directed the contractor to regrade the yard to tie into the new sidewalk.

• Remove and Replace 5 Signal Boxes - \$9,300

The project included installing standard electrical wire pull boxes. After construction, staff learned multiple boxes had been vandalized or damaged by vehicles driving over them on the sidewalk. Broken lids have a risk to damage the wires causing more maintenance and further potential damage. Therefore, staff directed the contractor to replace these standard boxes with upgraded traffic-rated boxes which can withstand vehicles driving over them.

• Final Quantities Adjustment - \$22,683.50

The original contract price is based on quantities estimated from project plans. The final adjustment occurs at the end of the project when actual quantities measured in the field are reconciled with the estimated bid quantities. The final Change Order No. 2 is for the adjustment of quantities and results in an increased contract amount.

Change Order No. 2 includes the additional asphalt costs from the expanded paving work. F St. from Lander Avenue to 9th Street was paved with the project. the original scope was only to pave the area for new signal loops.

Construction has been completed per the approved project plans and specifications. Staff requests City Council approval to authorize the City Engineer to file a Notice of Completion. The Notice of Completion will establish March 9, 2022, as the official date of project completion and effectively limit the contractor's statutory time to file a claim on the project.

4. BASIS FOR RECOMMENDATION:

- A. Resolution 2009-246 authorizes the City Engineer to approve change orders up to 2% of the original contract price; the City Manager is authorized to approve change orders up to 5% of the original contract price; and all other change orders greater than 5% of the original contract price require City Council approval.
- B. Contract Change Order No. 2 (Final) is necessary to install the required improvements, and reconcile estimated quantities with actual quantities placed during construction.
- C. California City Code Section 9204 allows the City Council to authorize the City Engineer to sign the Notice of Completion.

5. FISCAL IMPACT / BUDGET AMENDMENT:

NOTE: No General Fund money was used for this project.

Account number 215-40-420.51210 "Federal Street Projects" is the designated account to provide capital outlay for all project expenses. The actual project costs are displayed below:

	PROJECT COSTS
Preliminary Engineering	\$51,519.05
Professional Right of Way Services	\$17,602.50
Contractor Cost	\$530,774.50
Construction Engineering	\$ 62,000.00
Construction Staking	\$2,291.08
Miscellaneous Project Fees	\$3,037.32
TOTAL:	\$667,224.45

This project is funded in part from a Congestion Mitigation and Air Quality Program (CMAQ) grant which is a federal-aid program for the purpose of providing infrastructure to reduce congestion and traffic on public roads and increase air quality. There is a funding shortfall for project costs that are non-reimbursable by the CMAQ grant. Staff requests the remaining project costs to be paid by an appropriation from Measure L funds.

Total Project Costs	\$ 667,224.45	A
CMAQ Reimbursable Expenses	\$ 628,389.50	В
Measure L Local Match	\$ 36,834.95	C = A-B

6. STAFF RECOMMENDATION:

Staff recommends approving the appropriation, accepting the improvements, and authorizing the City Engineer to file the Notice of Completion.

7. CITY MANAGER'S COMMENTS:

Recommend approval.

8. ENVIRONMENTAL DETERMINATION:

On May 12, 2020, the City Council determined this project is exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15301 (Existing Facilities) of the CEQA Guidelines. This action does not modify that determination.

9. ALTERNATIVES:

A. Council could choose not to approve Contract Change Order No. 2 (Final). Staff does not recommend this alternative, as part of the scope of the change order includes improvements that were necessary to complete the project and to reconcile estimated quantities with actual quantities placed during construction.

- B. Council could choose to not appropriate the funding. Staff does not recommend this alternative as the work has been performed and the contractor is waiting for payment.
- C. Council could choose to deny authorizing the City Engineer to file the Notice of Completion. Staff does not recommend this alternative as all work has been completed in accordance with the contract documents.

Agenda Staff Report 3/08/22 Page 6

Project Location Map City Project No. 16-56 "Intersection of Lander Ave and F St"



BEFORE THE CITY COUNCIL OF THE CITY OF TURLOCK

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RESOLUTION NO. 2022-

IN THE MATTER OF APPROPRIATING \$36,834.95 TO ACCOUNT NUMBER 215-40-420.51210 "FEDERAL STREET PROJECTS" TO BE FUNDED FROM FUND 218 "MEASURE L" UNALLOCATED RESERVES TO PROVIDE NECESSARY FUNDING FOR CITY PROJECT NO. 16-56 "INTERSECTION IMPROVEMENTS AT LANDER AVE AND F ST"

WHEREAS, Fund 218 "Measure L" is used to provide funding for road maintenance, traffic safety enhancements, pedestrian, and bicycles improvements; and

WHEREAS, City Project 16-56 "Intersection Improvements at Lander Ave and F St" included traffic safety enhancements by installing a traffic signal, traffic striping, and curb, gutter, sidewalk, and access ramps; and

WHEREAS, the total project costs are \$667,224.45; and

WHEREAS, the Congestion Mitigation and Air Quality (CMAQ) reimbursable amount for the project is for \$628,389.50; and

WHEREAS, \$36,834.95 is needed to pay for project cost that are non-reimbursable by the CMAQ grant; and

WHEREAS, the project is complete and by separate action on March 8, 2022, the City Council is requested to authorize the City Engineer to file the Notice of Completion; and

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Turlock does hereby appropriate \$36,834.95 to account number 215-40-420.51210 "Federal Street Projects" to be funded from Fund 218 "Measure L" unallocated reserves for City Project No. 16-56 "Intersection Improvements at Lander Ave and F St."

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Turlock this 8th day of March 2022, by the following vote.

AYES: NOES: NOT PARTICIPATING: ABSENT:

ATTEST:

Kellie E. Weaver, Interim City Clerk City of Turlock, County of Stanislaus, State of California

CITY OF TURLOCK

FINAL QUANTITIES

Intersection Improvements at Lander Avenue and F Street

Project No. 16-56

ltem		Unit of	Contractor's	Final Actual	Final Actual	Bid	Bid	Total
No.	Item Description	Measure	Unit Price	Quantities	Amount	Quantities	Amount	Difference
1	Mobilization	LS	\$5,000.00	1.00	\$5,000.00	1.00	\$5,000.00	\$0.00
2	Remove Existing Improvements	LS	\$10,800.00	1.00	\$10,800.00	1.00	\$10,800.00	\$0.00
3	Temporary Traffic Control	LS	\$7,800.00	1.00	\$7,800.00	1.00	\$7,800.00	\$0.00
4	Construction Project Sign	EA	\$1,300.00	1.00	\$1,300.00	2.00	\$2,600.00	(\$1,300.00)
5	Erosion and Sediment Control	LS	\$2,500.00	1.00	\$2,500.00	1.00	\$2,500.00	\$0.00
6	Earthwork and Grading / Clearing and Grubbing	LS	\$27,300.00	1.00	\$27,300.00	1.00	\$27,300.00	\$0.00
7	Minor Concrete (Curb and Gutter)	LF	\$50.00	81.00	\$4,050.00	81.00	\$4,050.00	\$0.00
8	Minor Concrete (Sidewalk/Flatwork)	SF	\$9.00	863.00	\$7,767.00	625.00	\$5,625.00	\$2,142.00
9	Access Ramp (Labor Only)	EA	\$2,100.00	3.00	\$6,300.00	3.00	\$6,300.00	\$0.00
10	Aggregate Base	CY	\$119.00	135.00	\$16,065.00	80.00	\$9,520.00	\$6,545.00
11	Hot Mix Asphalt	TN	\$138.00	295.00	\$40,710.00	162.00	\$22,356.00	\$18,354.00
12	Adjust Water Valves to Grade	EA	\$200.00	3.00	\$600.00	3.00	\$600.00	\$0.00
13	Adjust Manhole Cover to Grade	EA	\$300.00	1.00	\$300.00	1.00	\$300.00	\$0.00
14	Storm Drain Improvements	LS	\$12,300.00	1.00	\$12,300.00	1.00	\$12,300.00	\$0.00
15	Shoring and Sheeting	LS	\$1,500.00	1.00	\$1,500.00	1.00	\$1,500.00	\$0.00
16	Water Service and Box Relocation	EA	\$4,100.00	0.00	\$0.00	1.00	\$4,100.00	(\$4,100.00)
17	Thermoplastic Pavement Markings	SF	\$7.00	95.00	\$665.00	70.00	\$490.00	\$175.00
18	Thermoplastic Pavement Striping (Detail 22)	LF	\$2.50	673.00	\$1,682.50	506.00	\$1,265.00	\$417.50
19	Thermoplastic Pavement Striping (Detail 38A)	LF	\$3.00	175.00	\$525.00	167.00	\$501.00	\$24.00
20	Thermoplastic Pavement Striping (Crosswalk)	SF	\$6.00	1209.00	\$7,254.00	1,142.00	\$6,852.00	\$402.00
21	Thermoplastic Pavement Striping (12" Stop Bar)	LF	\$6.00	103.00	\$618.00	99.00	\$594.00	\$24.00
22	Roadside Sign (R14-1 and M6-1) and Post	EA	\$400.00	2.00	\$800.00	2.00	\$800.00	\$0.00
23	Roadside Sign (R5-2) and Post	1	\$400.00	1.00	\$400.00	1.00	\$400.00	\$0.00
24	Roadside Sign (R9-11A) and Barricade	EA	\$700.00	2.00	\$1,400.00	2.00	\$1,400.00	\$0.00
25	Traffic Signal, Lighting, and Electrical Systems	LS	\$297,000.00	1.00	\$297,000.00	1.00	\$297,000.00	\$0.00
26	Traffic Signal Detection Loops	EA	\$1,050.00	35.00	\$36,750.00	35.00	\$36,750.00	\$0.00
	SUB-TOTAL CONTRACT ITEMS =				\$491,386.50		\$468,703.00	\$22,683.50
C.O. #	CHANGE ORDERS							
1.1	Traffic Signal Pole Modifications and Luminaire Arms	LS	\$5,428.00	1	\$5,428.00			\$5,428.00
1.2	Change to Traffic Rated Boxes	LS	\$3,192.00	1	\$3,192.00			\$3,192.00
2.1	Additional demo for extending asphalt limits	LS	\$9,030.00	1	\$9,030.00			\$9,030.00
2.2	Additional Traffic Control for Storm Installation	LS	\$9,482.00	1	\$9,482.00			\$9,482.00
2.3	Landscape Grading	LS	\$2,956.00	1	\$2,956.00			\$2,956.00
2.4	Remove and Replace 5 Signal Boxes	LS	\$9,300.00	1	\$9,300.00			\$9,300.00
	SUB-TOTAL CHANGE ORDER ITEMS =				\$39,388.00		\$0.00	\$39,388.00
	TOTAL PROJECT =				\$530.774.50		\$468.703.00	\$62,071.50



CONTRACT CHANGE ORDER

 Date issued:
 8-Mar-22
 Change Order No.:
 2 (FINAL)

 Project Name:
 Intersection Improvements at Lander Avenue and F Street
 2 (FINAL)

Sinclair General Engineering Construction, Inc.

P.O. Box 1453

Oakdale, California 95361

Project No.: 16-56 Contract For: \$468,703.00 Contract Award Date: March 24, 2020

You are directed to make the following changes in this contract as requested by The City of Turlock:

 erence LS LS LS LS LS	 1 1 1 1	 \$9,030.00 \$9,482.00 \$2,956.00	\$491,386.5 \$468,703.0 \$22,683.5 \$9,030.00 \$9,482.00
erence LS LS LS		\$9,030.00 \$9,482.00	\$468,703.0 \$22,683.5 \$9,030.00
erence LS LS LS	 1 1 1	\$9,030.00 \$9,482.00	\$22,683.5 \$9,030.00
LS LS LS	1 1 1	\$9,482.00	\$9,030.00
LS LS	1 1 1	\$9,482.00	
LS	1 1		\$9,482.00
	1	\$2,056,00	
LS		φ <u>z</u> ,900.00	\$2,956.00
	1	\$9,300.00	\$9,300.00
	Total this C	CO=	\$53,451.5
<u> </u>			\$468,703.0
			\$8,620.0
			\$53,451.5
			\$530,774.5
			Total this CCO=

 Accepted:
 Date:

 Sinclair General Engineering Construction, Inc., Contractor
 Date:

 Recommended:
 Date:

 Gary L. Taylor, P.E., Acting City Engineer
 Date:

 Approved:
 Date:

Reagan M. Wilson, City Manager

RECORDED AT THE REQUEST OF: CITY OF TURLOCK

WHEN RECORDED MAIL TO:

CITY OF TURLOCK Office of the City Clerk 156 S. Broadway, Suite 230 TURLOCK, CA 95380-5454

NOTICE OF COMPLETION CITY PROJECT NO. 16-56 INTERSECTION IMPROVEMENTS AT LANDER AVE AND F STREET

Notice is hereby given that work on the above-referenced project located at intersection of Lander Avenue and F Street in Turlock, California, was completed by the undersigned agency on March 8, 2022. The contractor of work is Sinclair General Engineering Construction, P.O. Box 1453, Oakdale, California, 95361 and the owner is the City of Turlock, 156 South Broadway, Suite 150, Turlock, California, 95380. Kindly refer to said Project Number on all communications relating to this work.

Date:

(Signature- Gary L. Taylor, P.E., Acting City Engineer, Owner's Agent), City of Turlock

VERIFICATION

I, the undersigned, Development Services Director/City Engineer of the owner of the aforesaid interest, have read this notice; I know and understand the contents thereof; and the facts stated therein are true of my own knowledge.

I declare under penalty of perjury that the foregoing is true and correct.

CITY OF TURLOCK

GARY L. TAYLOR, P.E. ACTING CITY ENGINEER OWNER'S AGENT

Executed on March 9, 2022 at Turlock, California, Stanislaus County



From: Katie Quintero, Deputy Director of Development Services / Planning Manager

Prepared by: Randall Jones, Associate Engineer

Agendized by: Reagan M. Wilson, City Manager

1. ACTION RECOMMENDED:

- Motion: Approving Contract Change Order No. 3 (Final) in the decreased amount of \$26,819.30 (Non-General Fund – Fund 215) for City Project No. 18-53 "Intersection Improvements at Monte Vista Ave and Fosberg Rd" bringing the contract total to \$622,106.66
- Motion: Accepting improvements for City Project No. 18-53 "Intersection Improvements at Monte Vista Ave and Fosberg Rd" and authorizing the City Engineer to file a Notice of Completion

2. SYNOPSIS:

This action approves Contract Change Order No. 3 (Final), accepts the improvements, and authorizes the City Engineer to file a Notice of Completion.

3. DISCUSSION OF ISSUE:

On February 9, 2021, the City Council approved an agreement with American Paving Co. of Fresno, California, for the construction of City Project No. 18-53 "Intersection Improvements at Monte Vista Avenue and Fosberg Road." Construction has been completed in accordance with the approved plans and specifications.

Change Order History:

	Amount	City Council Meeting
Original Contract	\$634,187.80	February 9, 2021
Change Order No. 1	\$ 5,237.89	August 18, 2021
Change Order No. 2	\$ 9,500.27	November 9, 2021
Change Order No. 3 (Final)	\$(26,819.30)	March 8, 2022
Total Contract	\$622,106.66	

Change Order No. 3 (Final) includes the following items of work:

• Final Quantities Adjustment - \$(26,819.30)

The original contract price is based on quantities estimated from project plans. Actual quantities measured in the field at the end of the project are reconciled with the estimated bid quantities. The final Change Order is for the adjustment of quantities and results in a decreased contract amount.

The original scope included microsurfacing over the project area. The small area led to a higher bid price to perform the work. The work was to be completed at the end of the project. However, the project ended in winter weather conditions when microsurfacing treatment should not be applied. It was determined that the microsurfacing would need to be postponed until spring 2022. Staff decided to remove the microsurfacing from the project scope due to the combination of project delays and an increased bid cost. The microsurfacing work will be added to a future larger pavement maintenance project where the bid costs will be lower.

Construction has been completed per the approved project plans and specifications. Staff requests City Council approval to authorize the City Engineer to file a Notice of Completion. The Notice of Completion will establish March 8, 2022, as the official date of project completion and effectively limit the contractor's statutory time to file a claim on the project.

4. BASIS FOR RECOMMENDATION:

- A. Contract Change Order No. 3 (Final) is necessary to reconcile estimated quantities with actual quantities placed during construction.
- B. California City Code Section 9204 allows the City Council to authorize the City Engineer to sign the Notice of Completion.

5. FISCAL IMPACT / BUDGET AMENDMENT:

NOTE: No General Fund money was used for this project.

Account number 215-40-420.51210 "Federal Street Projects" is the designated account to provide capital outlay for all project expenses. The actual project costs are displayed below:

	PROJECT COSTS
Preliminary Engineering	\$17,733.78
Environmental	\$4,200.00
Contractor Cost	\$622,106.66
Construction Engineering	\$45,621.43
Construction Staking	\$16,000.00
Materials Testing	\$1,509.00
Miscellaneous Project Fees	\$3,000.00
TOTAL:	\$710,170.87

This project is funded in part from a Congestion Mitigation and Air Quality Program (CMAQ) grant which is a federal-aid program for the purpose of providing infrastructure to reduce congestion and traffic on public roads and increase air quality. The CMAQ grant funded all federally reimbursable costs while Measure L paid the non-reimbursable portion. At the time of the award of bid, City Council approved the appropriation of Measure L funds to the designated project account number for the non-reimbursable costs. No further appropriation is necessary. The project funding sources are below:

Federal aid (CMAQ)	\$608,873.45
Measure L – Local Funds	\$101,297.4 <u>2</u>
TOTAL	\$710,170.87

6. STAFF RECOMMENDATION:

Staff recommends approving Change Order No. 3, accepting the improvements, and authorizing the City Engineer to file Notice of Completion.

7. CITY MANAGER'S COMMENTS:

Recommend approval.

8. ENVIRONMENTAL DETERMINATION:

On February 9, 2021, the City Council determined this project is exempt from the provisions of the California Environmental Quality Act (CEQA) pursuant to Section 15301 (Existing Facilities) of the CEQA Guidelines. This action does not modify that determination; therefore, no additional determination is needed.

9. ALTERNATIVES:

A. Council could choose not to approve Contract Change Order No. 3 (Final). Staff does not recommend this alternative as the scope of the change order includes reconciliation of estimated quantities with actual quantities placed during construction.

B. Council could choose to deny authorizing the City Engineer to file the Notice of Completion. Staff does not recommend this alternative as all work has been completed in accordance with the contract documents.

Project Location Map City Project No. 18-53 "Intersection Improvements at Monte Vista Ave and Fosberg Rd"



CITY OF TURLOCK

FINAL QUANTITIES

Intersection Improvements at Monte Vista Ave. and Fosberg Road CML-5165 (093) Project No.

ltem		Unit of	Contractor's	Final Actual	Final Actual	Bid	Bid	Total
No.	Item Description	Measure	Unit Price	Quantities	Amount	Quantities	Amount	Difference
1	Mobilization and Demobilization	LS	\$25,000.00	1.00	\$25,000.00	1.00	\$25,000.00	\$0.00
2	Project Signs	EA	\$1,500.00	2.00	\$3,000.00	2.00	\$3,000.00	\$0.00
3	Temporary Traffic Control	LS	\$30,000.00	1.00	\$30,000.00	1.00	\$30,000.00	\$0.00
4	Remove Existing Improvements	LS	\$17,000.00	1.00	\$17,000.00	1.00	\$17,000.00	\$0.00
5	Earthwork and Grading	LS	\$23,000.00	1.00	\$23,000.00	1.00	\$23,000.00	\$0.00
6	Minor Concrete (Vertical Curb)	LF	\$30.00	1374.00	\$41,220.00	1,374.00	\$41,220.00	\$0.00
7	Minor Concrete (Exposed Aggregate/Flatwork)	SF	\$39.00	274.00	\$10,686.00	274.00	\$10,686.00	\$0.00
8	Aggregate Base	CY	\$120.00	143.00	\$17,160.00	143.00	\$17,160.00	\$0.00
9	Hot Mix Asphalt (1/2" Type-A, PG64-16)	TON	\$180.00	205.00	\$36,900.00	193.00	\$34,740.00	\$2,160.00
10	Microsurfacing (Type 2)	SY	\$7.70	0.00	\$0.00	3,784.00	\$29,136.80	(\$29,136.80)
11	Adjust Manhole to Grade	EA	\$1,600.00	3.00	\$4,800.00	3.00	\$4,800.00	\$0.00
12	Landscape Improvements	LS	\$5,000.00	1.00	\$5,000.00	1.00	\$5,000.00	\$0.00
13	Irrigation Installation	EA	\$1,500.00	2.00	\$3,000.00	2.00	\$3,000.00	\$0.00
14	Roadside Sign (R4-7C with K-1 (CA) and Post	EA	\$350.00	4.00	\$1,400.00	4.00	\$1,400.00	\$0.00
15	Roadside Sign (R6-1) and Post	EA	\$300.00	2.00	\$600.00	2.00	\$600.00	\$0.00
16	Roadside Sign (R3-18) and Post	EA	\$300.00	1.00	\$300.00	1.00	\$300.00	\$0.00
17	Roadside Sign (R3-4)	EA	\$100.00	2.00	\$200.00	2.00	\$200.00	\$0.00
18	Roadside Sign (R9-3 and R9-3BP)	EA	\$100.00	2.00	\$200.00	2.00	\$200.00	\$0.00
19	Pavement Striping (Detail 9)	LF	\$1.50	985.00	\$1,477.50	946.00	\$1,419.00	\$58.50
20	Pavement Striping (Detail 26)	LF	\$0.50	1350.00	\$675.00	1,350.00	\$675.00	\$0.00
21	Pavement Striping (Detail 38)	LF	\$3.50	140.00	\$490.00	136.00	\$476.00	\$14.00
22	Pavement Striping (Detail 39)	LF	\$2.50	940.00	\$2,350.00	946.00	\$2,365.00	(\$15.00)
23	Pavement Striping (12" White Thermo)	LF	\$10.00	75.00	\$750.00	72.00	\$720.00	\$30.00
24	Red Curb	LF	\$2.50	284.00	\$710.00	284.00	\$710.00	\$0.00
25	Pavement Markings (White Thermo)	SF	\$10.00	45.00	\$450.00	38.00	\$380.00	\$70.00
26	Adjust Monument Well to Grade	EA	\$1,000.00	2.00	\$2,000.00	2.00	\$2,000.00	\$0.00
27	Traffic Signal Improvements	LS	\$277,000.00	1.00	\$277,000.00	1.00	\$277,000.00	\$0.00
28	Additional Construction Items not included in items 1-27	LS	\$102,000.00	1.00	\$102,000.00	1.00	\$102,000.00	\$0.00
	SUB-TOTAL CONTRACT ITEMS =				\$607,368.50		\$634,187.80	(\$26,819.30)
C.O. #	CHANGE ORDERS							
1.1	Adjust Pole and Electrolier	LS	\$4,108.09	1	\$4,108.09			\$4,108.09
1.2	Additional Pull Box	LS	\$679.80	1	\$679.80			\$679.80
1.3	Additional Detector Handhole	LS	\$450.00	1	\$450.00			\$450.00
2.1	Additional Pedestrian Push Button Posts	EA	\$2,050.00	2	\$4,100.00			\$4,100.00
2.2	Landscape Bark Color Change	LS	\$5,400.27	1	\$5,400.27			\$5,400.27
	SUB-TOTAL CHANGE ORDER ITEMS =				\$14,738.16		\$0.00	\$14,738.16
	TOTAL PROJECT =				\$622,106.66		\$634,187.80	(\$12,081.14)

18-53



CONTRACT CHANGE ORDER

Date issued:8-Mar-22Change Order No.:Project Name:Intersection Improvements at Monte Vista Ave and Fosberg Rd.

American Paving Co.

P.O. Box 4348 Fresno, California 93744 (559) 268-9886 Project No.:18-53Original Contract Amount:\$634,187.80Contract Award Date:February 9, 2021

3 (FINAL)

You are directed to make the following changes in this contract as requested by The City of Turlock:

ITEM	U	Jnit:	Quantity:	Unit Price:	Total:
1. Actual Amount Paid to Contractor for Bid Ite	ms (See Attached)				\$607,368.50
Contractor's Bid Amount for Bid Items	Subtotal of Difference				\$634,187.80 (\$26,819.30)
			Total this CCO=		(\$26,819.30)
The original contract sum =					\$634,187.80
Net change by previous change ord	ers =				\$14,738.16
The contract amount will be increased by the amount of =					(\$26,819.30)
	The new contract sum including this change order will be =				\$622,106.66
No days are added to the contract ti		ditio	nal items of work.		,
Accepted: American Paving Co.				Date:	
American Paving Co.				Date:	
Gary L. Taylor, P.E., Act	ing City Engineer			Date.	
Approved: Reagan M. Wilson, City	Manager			Date:	

RECORDED AT THE REQUEST OF: CITY OF TURLOCK

WHEN RECORDED MAIL TO:

CITY OF TURLOCK Office of the City Clerk 156 S. Broadway, Suite 230 TURLOCK, CA 95380-5454

NOTICE OF COMPLETION CITY PROJECT NO. 18-53 INTERSECTION IMPROVEMENTS AT MONTE VISTA AVE AND FOSBERG RD

Notice is hereby given that work on the above-referenced project located at intersection of Monte Vista Avenue and Fosberg Road in Turlock, California, was completed by the undersigned agency on March 8, 2022. The contractor of work is American Paving Company, P.O. Box 4348, Fresno, California 93744, and the owner is the City of Turlock, 156 South Broadway, Suite 150, Turlock, California, 95380. Kindly refer to said Project Number on all communications relating to this work.

Date:

(Signature- Gary L. Taylor, P.E., Acting City Engineer, Owner's Agent), City of Turlock

VERIFICATION

I, the undersigned, Development Services Director/City Engineer of the owner of the aforesaid interest, have read this notice; I know and understand the contents thereof; and the facts stated therein are true of my own knowledge.

I declare under penalty of perjury that the foregoing is true and correct.

CITY OF TURLOCK

GARY L. TAYLOR, P.E. ACTING CITY ENGINEER OWNER'S AGENT

Executed on March 9, 2022, at Turlock, California, Stanislaus County



From:	Katie Quintero, Deputy Director of Development Services / Planning Manager
Prepared by:	Stephen Fremming, P.E., Principal Civil Engineer
Agendized by:	Reagan M. Wilson, City Manager

1. ACTION RECOMMENDED:

Motion: Approving a Surface Water Pipeline Easement on the City of Turlock terminal tank site located at 3500 North Quincy Road to the Stanislaus Regional Water Authority necessary for construction of the Turlock finish water pipeline, to be constructed as part of the Stanislaus Regional Water Authority Regional Surface Water Supply Project

2. SYNOPSIS:

This action will approve a Surface Water Pipeline Easement to the Stanislaus Regional Water Authority at 3500 North Quincy Road necessary for construction of the Turlock finish water pipeline, to be constructed as part of the SRWA Regional Surface Water Supply Project.

3. DISCUSSION OF ISSUE:

The Stanislaus Regional Water Authority (SRWA) continues to make progress in advancing the Regional Surface Water Supply Project (RWSP). The concrete for the clear well storage tank has been poured at the treatment plant site. Underground electrical work is taking place at the maintenance and administration buildings. Concrete wall pours are occurring for the flocculation/sedimentation facility. Construction of the backwash equalization basins and solids drying beds are nearing completion. Site preparation and initial construction activities for the chemical building, ozone generator building, outfall structure, and raw water pump station have begun. Finish water pipeline construction continues on Hatch Road to Ceres and on Berkeley Road to Turlock.

The majority of the Turlock finished water pipeline is located within the existing public right of way owned by the County. However, a pipeline easement is needed to be granted by the City to SRWA for the finish water pipeline that SRWA will eventually install at the City's terminal tank site to complete connection of the two-system. The proposed pipeline easement will allow SRWA to access, construct, operate, and maintain the SRWA finish water pipeline on the City's terminal tank site.

4. BASIS FOR RECOMMENDATION:

- A. Granting an easement requires City Council approval.
- B. Granting the easement is necessary for SRWA to access, construct, operate, and maintain the SRWA finish water pipeline on the City's terminal tank site.

5. FISCAL IMPACT / BUDGET AMENDMENT:

There is no fiscal impact associated with this action.

No General Fund Monies will be used for this project.

6. STAFF RECOMMENTATION:

Staff recommends approval of the easement.

7. CITY MANAGER'S COMMENTS:

Recommend approval.

8. ENVIRONMENTAL DETERMINATION:

A final Environmental Impact Report has been completed by SRWA in accordance with CEQA requirements for the RWSP that includes the Turlock finish water pipeline. Transfer of property rights do not require an environmental determination.

9. ALTERNATIVES:

A. Council could choose to deny approval of the Surface Water Pipeline Easement. Staff does not recommend this alternative because the easement is necessary for SRWA to access, construct, operate, and maintain the SRWA finish water pipeline on the City's terminal tank site.







RECORDING INFORMATION: Recorded at request of:

City of Turlock

When recorded, return to: **CITY OF TURLOCK** CITY CLERK **156 S BROADWAY STE 230** TURLOCK, CA 95380-5454

> ESCROW NO. N/A DOCUMENTARY TRANSFER TAX: -0- / Government Entity

Address: 3500 North Quincy Road, Denair, CA 95316 APN: 073-009-014 SURFACE WATER PIPELINE

EASEMENT AGREEMENT

This Surface Water Pipeline Easement Agreement ("Easement Agreement") is made and entered into on March 8, 2022 by and between the City of Turlock, a municipal corporation, and the Stanislaus Regional Water Authority, a Joint Powers Authority ("SRWA" herein).

RECITALS

WHEREAS, the City of Turlock is a member of the SRWA; and

WHEREAS; the SRWA is engaged in the development of the Regional Surface Water Supply Project which, when completed, will produce treated surface water for use by the City of Turlock; and

WHEREAS; the Regional Surface Water Supply Project includes construction of a finished water pipeline conveying treated surface water to the City of Turlock; and

WHEREAS; the proposed alignment of the Turlock finish water pipeline coincides with the subject parcel of land owned by the City of Turlock; and

WHEREAS, the City of Turlock desires to grant a water pipeline easement to the SRWA for the construction and maintenance of the surface water pipeline water on the subject project.

NOW, THEREFORE, Turlock and SRWA agree as follows:

- 1. **GRANT OF EASEMENT.** The City of Turlock, being the present title owner of record of the herein described parcel of land ("Grantor") hereby GRANTs to the SRWA, and its successors or assigns ("Grantee"), a water pipeline easement as described below:
 - 1.1. Through, in, on, over, above, under, and across the real property situated in the County of Stanislaus, State of California, more particularly described in Exhibit "A" and illustrated in Exhibit "B", an area of approximately 0.88 acres, attached hereto and made a part hereof by this reference ("Easement").
 - 1.2. For the construction, installation, use, operation, inspection, maintenance, repair and replacement of a

water pipeline and appurtenant facilities, including, but not limited to, manholes, valves, cathodic protection facilities, underground power and communication lines, air valves, and blow offs, which facilities may extend above the surface of the ground; together with the rights to (a) reasonable ingress to, and egress from, the Easement area over and across Grantor's lands for such purposes, (b) temporarily use Grantor's lands contiguous to the Easement area as may be necessary or appropriate during construction-related activities, and (c) mark the location of underground pipelines by suitable markers set and maintained on the land surface above the pipeline.

- 2. FEE. None.
- 3. WORK IN TURLOCK'S RIGHT OF WAY. All work completed within the Easement shall be performed under an encroachment permit issued by the City of Turlock. All construction, re-construction, and installation shall be done in compliance with the plans and specifications for the facilities that are approved as part of the encroachment permit issuance.

IN WITNESS WHEREOF, the City of Turlock and SRWA have caused this Easement to be executed through their respective officers thereunto duly authorized.

Reagan M. Wilson, City Manager
City of Turlock, County of Stanislaus
State of California

Robert Granberg, General Manager Stanislaus Regional Water Authority

Date:

Date: _____

Signatures of Signers Above Must be Notarized Please Attach Notarization Acknowledgment Form(s)

List of Exhibits:

Exhibit A – Legal Description Exhibit B – Plat Map

EXHIBIT "A" Legal Description of Pipeline Easement Portion of A.P.N. 073-009-014 (City of Turlock Property)

The north 70.00 feet of the west 580.00 feet of Lot 57 of The Elmwood Colony filed in Volume 2 of Maps, Page 13, Stanislaus County Records, lying in the southeast quarter of Section 1, Township 5 South, Range 10 East, Mount Diablo Meridian, situate in the County of Stanislaus, State of California.

Excepting therefrom the west 30.00 feet.

Containing 38,500 square feet, more or less.

This real property description was prepared by me or under my direction, in conformance with the Professional Land Surveyors' Act.



Starp	12/3/2021
Sean Harp, L.S. 7823 ⁽	Date



City Council Staff Report March 8, 2022



From:	Dan Madden Interim Director of Municipal Services
Prepared by:	Randall Jones, Associate Engineer

Agendized by: Reagan M. Wilson, City Manager

1. ACTION RECOMMENDED:

- Resolution: Appropriating \$900,000 to account number 410-51-534.51418 "S. Walnut/W. Main Sewer Line Repair" to be funded from Fund 410 "Water Quality Control (WQC)" unallocated reserves to provide necessary funding for City Project No. 21-040 "W. Main and Walnut Emergency Repair"
- Motion: Accepting the improvements for City Project No. 21-040, "W. Main and Walnut Emergency Repair" and authorizing the City Engineer to file a Notice of Completion

2. SYNOPSIS:

This item accepts the improvements and authorizes the City Engineer to file a notice of completion for the emergency project created by the sinkhole in the intersection of W. Main and Walnut as a result of the collapse of a sanitary sewer trunk line.

3. DISCUSSION OF ISSUE:

In accordance with the Turlock Municipal Code Section 2-9-6 and Section 8558 of the State Government Code, Section 22050 of the Public Contract Code, and City of Turlock Resolution No. 2010-028, the Acting City Manager declared City Project No. 21-040 an emergency and ordered repair of the affected facilities.

On October 29, 2021, Dan Madden the Acting City Manager declared an emergency and ordered repairs to the sewer and road facilities affected by the sinkhole in the intersection of W. Main and Walnut. At the November 9, 2021 City Council meeting, the City Council determined there was a need to continue the emergency action in accordance with Resolution No. 2010-028.

The Public Contract Code and Turlock Municipal Code require the City Council to determine there is a need to continue the emergency action unless the City Manager terminates the action. On January 06, 2022, Interim City Manager, Sarah Eddy terminated the emergency declaration and the project was deemed complete. The emergency work has been completed and the road is open to traffic. All items of work have been completed in a manner that is acceptable to the City Engineer.

While the exact cause for the sinkhole has not been determined, it was most likely due to aging infrastructure combined with the localized chemical composition of the sewage. As the sewage breaks down, microbes emit hydrogen sulfide, which is the same gas that is also responsible for raw sewage's unpleasant smell. Different bacteria then convert the hydrogen sulfide into sulfuric acid which dissolves the concrete sewer pipes. This type of failure is consistent with the field observations of the pipe that was removed. Approximately 230 linear feet of pipe was replaced along with associated manholes, paving, and striping. Staff will conduct future investigations to determine if there are facilities that need to be replaced to avoid instances like these from occurring again.

4. BASIS FOR RECOMMENDATION:

- A. Per Council Resolution No. 2010-028, the City Manager is delegated the authority to declare an emergency and order repair of or replacement of public facilities forgoing the formal bid process.
- B. City Municipal Code requires that the City Council authorize the City Engineer to sign the Notice of Completion.

5. FISCAL IMPACT / BUDGET AMENDMENT:

*NOTE - No General Fund money will be used for this project.

Staff requests an appropriation of \$900,000 to the project account number 410-51-534.51418 "S. Walnut/W. Main Sewer Line Repair" from Fund 410 "Water Quality Control (WQC)" unallocated reserves.

6. STAFF'S COMMENTS:

Appropriate the funds and authorize the City Engineer to file the Notice of Completion.

7. CITY MANAGER'S COMMENTS:

Recommend approval.

8. ENVIRONMENTAL DETERMINATION:

This action by Council does not modify the CEQA finding that the Council made on November 9, 2021, and therefore no determination is needed.

9. ALTERNATIVES:

A. Council could reject authorizing the City Engineer to file a Notice of Completion. Staff does not recommend this alternative as filing a Notice of Completion statutorily reduces the time frame in which a contractor may submit claim.
BEFORE THE CITY COUNCIL OF THE CITY OF TURLOCK

RESOLUTION NO. 2022-

IN THE MATTER OF APPROPRIATING } \$900,000 TO ACCOUNT NUMBER } 410-51-534.51418 "S. WALNUT/W. MAIN } SEWER LINE REPAIR" TO BE FUNDED FROM FUND 410 "WATER QUALITY CONTROL } (WQC)" UNALLOCATED RESERVES TO } PROVIDE NECESSARY FUNDING FOR CITY } PROJECT NO. 21-040 "W. MAIN AND } WALNUT EMERGENCY REPAIR" }

WHEREAS, Fund 410 "Water Quality Control (WQC)" is used to operate and maintain the City's sanitary sewer system in a reliable, safe, productive and cost-effective manner; and

WHEREAS, On October 29, 2021, the City Manager declared an emergency in accordance with the Public Contract Code and Turlock Municipal Code; and

WHEREAS, on November 18, 2021, the City entered into a public works agreement with George Reed, Inc. for payment to be determined via force account; and

WHEREAS, City Project No. 21-040 "W. Main and Walnut Emergency Repair" replaced collapsed sewer lines and adjacent facilities damaged; and

WHEREAS, the costs for City Project No. 21-040 "W. Main and Walnut Emergency Repair" have been finalized and amount to \$900,000; and

WHEREAS, by separate action on March 8, 2022, the City Council is requested to authorize the City Engineer to file the Notice of Completion; and

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Turlock does hereby appropriate \$900,000 to account number 410-51-534.51418 "S. Walnut/W. Main Sewer Line Repair" to be funded from Fund 410 "Water Quality Control (WQC)" unallocated reserves to provide necessary funding for City Project No. 21-040 "W. Main and Walnut Emergency Repair."

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Turlock this 8th day of March 2022, by the following vote.

AYES: NOES: NOT PARTICIPATING: ABSENT:

ATTEST:

Kellie E. Weaver, Interim City Clerk City of Turlock, County of Stanislaus, State of California



From: Dan Madden, Interim Municipal Services Director

Prepared by: Dan Madden, Interim Municipal Services Director

Agendized by: Reagan M. Wilson, City Manager

1. ACTION RECOMMENDED:

- Motion: Authorizing the City Manager to begin the implementation of recommendations from the Geographic Information System (GIS) Strategic Plan performed in 2019 by VESTRA resources Inc
- Resolution: Approving a new job description for the new position of GIS Coordinator
- Resolution: Authorizing the hiring of one Full Time Employee (FTE) position of GIS Coordinator
- Motion: Authorizing staff to solicit a Request for Proposal from qualified firms to provide GIS support services

2. SYNOPSIS:

Move forward with specific recommendations related to the staffing, updating and implementation of the City's GIS program.

3. DISCUSSION OF ISSUE:

Although developed in 2004, the City's GIS has fallen to a level that has rendered portions of the program out of date and in need of significant overhaul. Seeing this problem, the City in 2019 retained VESTRA Resources Inc., to develop a five-year strategic plan to revive the GIS program. The goal of which, is to provide staffing, infrastructure, up to date data and related information City wide for utilization across all Departments and allow access to the Public for certain components.

Additionally, based upon recommendations from the VESTRA strategic plan, the City acquired and implemented in 2020 the industry leading software, ESRI ArcGIS Enterprise.

During the course of the VESTRA strategic plan development each City department was evaluated for their GIS needs as well as individual Department interviews. By doing so a very detailed picture of each Departments needs was developed.

Based upon a recent survey of City Departments current conditions of the GIS as noted below reveal the status of our current system;

Advantages:

- ESRI is an industry standard software system with great functionalities
- Ability to integrate it with existing City software including Public Safety CAD, permitting, inspection, utilities, land management, and document retention software
- Aerial imagery is clear, maps are easier to read
- Link to County Assessor Maps is helpful
- Can search for an address that may not have an exact match in GIS

Deficiencies:

- Lack of training on functionality of the new system
- Lack of a GIS coordinator
- Lack of timely updates and workflow for getting regular updates to GIS data
- Lack of workflow for creating new layers
- Link for Zoning/GIS designations in GIS to New World not currently available
- All layers of information are not located in one map as an option
- Lack of ability to easily create and print basic maps and other reports
- Lack of public-facing GIS-based public information search
- Lag between Country Assessor and GIS property owner information
- Printing mailing labels for required notifications is not straightforward
- No option to print property owner info and map on the same page
- Maps are only legible to inspectors if printed in color
- Addresses and/or suites are not displayed over each parcel
- Link to OnBase needs updating
- Link to New World needs more detail
- No Property Owner by last name look up
- Historical aerial imagery is missing
- County Islands not easily queried
- Public Safety layers are not on the general City GIS site
- Option to see coverage outside City limits for Public Safety mutual aid missing
- No option to report utility owner info
- Lag between Country Assessor and GIS property owner information
- Printing mailing labels for required notifications is not straightforward
- No option to print property owner info and map on the same page

- Maps are only legible to inspectors if printed in color
- Addresses and/or suites are not displayed over each parcel
- Link to OnBase needs updating
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- Historical aerial imagery is missing
- County Islands not easily queried
- New developments are not being updated in GIS or on the CAD map in a timely manner
- Public Safety layers are not on the general City GIS site
- Option to see coverage outside City limits for Public Safety mutual aid missing

As can be seen, the GIS services currently provided by our system is not able to provide the level of service needed to take advantage of its full potential.

Although developed for a 5-year implementation, the item before City Council is a request to implement a number of the recommendations for the 1st phase of the program. These being the most important to the long-term success of the GIS program. Listed below are those items needing approval;

Staffing:

VESTRA provided 3 options for the staffing needs of the GIS program;

Option A – Hire Consulting firm to provide a GIS team. Approximate annual cost \$120,000*

Option B – Hire 1 Full Time Employee (FTE) as GIS Coordinator and retain GIS consultant for additional support. Approximate annual cost \$262,200*

Option C – Hire 1 FTE as GIS Coordinator, 1 FTE GIS Tech. and hire a GIS Consultant for additional support. Approximate annual cost \$366,000*

Each of these options has pros and cons relative to quality and control of the work required as well as the fiscal impact of each option.

* Costs adjusted upward 20% due to passage of time since report was completed in 2019

Based upon the Options provided, input from the various Departments and those Staff that would work with the GIS, Option B is the preferred and most beneficial to the organization. Although this requires the hiring of one FTE, having a person on staff to assist with daily GIS needs and availability for personal contact with GIS issues that will arise, the benefit justifies the additional cost. See pages 14-16 of the VESTRA report for more detail.

Organizationally the GIS Coordinator will work as a parallel work group within IT under the supervision of the IT Division Manager. This will allow for additional GIS support from IT should the need arise and available IT staff are knowledgeable enough to assist with the issue. Additionally, primary GIS support will be provided by offsite the GIS consulting firm as directed by the GIS Coordinator.

Should the recommended Option B be approved, the GIS Coordinator FTE position would not be filled until FY 22/23. In the interim, the GIS Consultant would be retained during FY 21/22. Budgeted Funds currently area available for this service.

Funding:

Funds area available this Fiscal Year (21/22) to pay for a GIS Consultant.

As stated in the staff report, funding for the FTE GIS Coordinator would not be needed until Fiscal Year 22/23.

As with the funding mechanism for our existing IT Division, primary funding will come from Departmental users of the GIS, based upon the number of users. Similarly, fees will be collected from the issuance of various Development fees, entitlements, permits and plans submitted by outside businesses and citizens. In most cases this is already being done, however, these fees may need to be adjusted to fully cover the cost of service for that submittal and implemented for those services not already being assessed the GIS fee. See pages 19-23 of the VESTRA report for further detail.

GIS Program Reimplementation:

With dedicated Staff and Consultants available to reimplement the GIS, first and fore-most will be the establishment of GIS User Group. This Group, will be comprised of Department representatives, with the GIS Coordinator serving as the Chair of the User Group. This will provide Departments the opportunity to share similar information so as not to duplicate efforts by the GIS implementation staff, as well as establish priorities for the GIS Coordinator.

4. BASIS FOR RECOMMENDATION:

Approval of this item is recommended based upon the "Discussion of the Issue" above, in conjunction with the recommendations within the VESTRA Strategic Plan and input from City Departments.

Additionally, in order for the City to be compatible with other agencies and organizations the need for a fully functional GIS platform is vital to our ability to provide the needed customer service to attract and retain Economic growth and quality service to our citizenry.

5. FISCAL IMPACT / BUDGET AMENDMENT:

Fiscal Impact

The requested FTE and GIS consultant contract has an approximate annual cost of \$262,000. The FTE position is proposed to be within salary Range 34.2 (\$8776-10668.) This position will be contained within Fund 501.

The cost of a GIS consultant is estimated to be \$70,000. However, this is estimated as the service provided will need to be solicited through a formal Request for Proposal. Currently \$50,000 are available during the current Fiscal Year.

Both General Fund and Non-General Fund monies will be used to fund these activities.

6. STAFF RECOMMENDATION:

Approve the item as proposed within the Staff report.

7. CITY MANAGER'S COMMENTS:

Recommend Approval.

8. ENVIRONMENTAL DETERMINATION:

N/A

9. ALTERNATIVES:

- A. Select Option A or Option C as described above. These Options are not recommended due to either the lower level of service provided or the additional expense is not justified at this time.
- B. Continue to operate at the current level of service being provided by Staff. This is not recommended due to the inability of Staff to provide the full level of service needed.

BEFORE THE CITY COUNCIL OF THE CITY OF TURLOCK

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IN THE MATTER OF APPROVING A NEW JOB DESCRIPTION FOR THE POSITION OF GIS COOORDINATOR

RESOLUTION NO. 2022-

WHEREAS, staff has identified a need to add the job description of GIS Coordinator identified in Attachment A; and

WHEREAS, the addition of the classification of GIS Coordinator is due to the need to advance the City's GIS platform; and

NOW, THEREFORE, BE IT RESOLVED the City Council of the City of Turlock does hereby approve a new job description for the position of GIS Coordinator.

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Turlock this 8th day of March, 2022, by the following vote:

AYES: NOES: NOT PARTICIPATING: ABSENT:

ATTEST:

Kellie E. Weaver, City Clerk, City of Turlock, County of Stanislaus, State of California



GIS Coordinator

DEFINITION

Under limited supervision, provides Geographic Information Systems (GIS) leadership by coordinating activities and providing oversight for GIS activities for all City departments. The GIS Coordinator role is responsible for providing technical expertise and supervision of day-to-day implementation and operation of the GIS in alignment with organizational objectives. The GIS Coordinator is responsible for coordinating GIS activities, working with and coordinating the work of GIS vendors, planning and organizing system development, and other GIS management activities.

This classification is assigned to the Turlock City Employees Association bargaining unit for labor relations purposes.

SUPERVISION RECEIVED AND EXERCISED

General supervision is provided by Information Technology Division Manager.

ESSENTIAL FUNCTIONS: Duties may include, but are not limited to, the following:

- Manage resources of GIS and confer and coordinate with user organizations and GIS personnel to determine user needs.
- Serve as Chairperson of the GIS Users Group.
- Oversee and provide technical guidance regarding activity associated with implementation, operation, and enhancement of the GIS program.
- Assist in the design, development, maintenance and implementation of the organization's GIS web mapping applications.
- Automate manual GIS processes using geoprocessing models, Model Builder, and Python scripting.
- Consult with City departments regarding departmental GIS needs and requirements; including identifying, designing, and developing GIS applications.
- Develop, edit and maintain geospatial datasets and databases.

- Design data extraction, transformation and loading (ETL) automation workflows using a variety of tools and programming languages.
- Administer Enterprise GIS System infrastructure and databases.
- Develop new GIS databases, maintain and update current data, generate maps, tables, and queries and maintain base maps.
- Coordinate GIS development with outside agencies.
- Design and develop computer GIS applications in support of City and departmental goals; consult with department managers in utilizing specialized functions in the GIS program to achieve departmental goals.
- Assure that GIS projects meet objectives by planning all project phases; work with user departments to develop project objectives and scope of work; analyze progress of GIS projects; recommend and coordinate corrective actions; report on performance and status of GIS projects.
- Coordinate GIS efforts throughout the City in conjunction with City departments; integrate GIS data development processes between departments; develop and manage programs to provide GIS resources to departments; manage central GIS data repository including organization, maintenance, and quality control.
- Represent the City at various meetings of technical organizations, and interagency projects and organizations as needed in conjunction with GIS.
- Serve as a technical resource to City departments, including providing assistance and training in the use of GIS data and systems, troubleshooting, and providing support for GIS software, databases, and other related applications.
- Monitor trends in GIS technology and recommend planning and operating improvements. Attend and participate in professional group meetings, seminars and trainings in order to stay abreast of new trends and innovations in the field of geographic information systems technology.
- Maintains confidential information in accordance with legal standards and/or City regulations.
- Perform related duties as assigned.

MINIMUM QUALIFICATIONS

Knowledge of:

- General principles and practices pertaining to GIG and desktop applications
- Mapping and geographic information processing systems
- ESRI software suite/spatial awareness
- Automated mapping and spatial information processing methods and techniques
- Effective public presentation techniques
- Methodologies for project management including project tracking and project control

- Database analysis and design
- Complex GIS analysis techniques
- Principles and methods of technical problem solving
- Local, County, State, and Federal statues, laws, ordinances, and rules as they apply to mapping requirements

Ability to:

- Translate technical concepts and terminology in terms understandable to elected officials and other department heads
- Make decisions based on factual data, and to evaluate progress or success of computerized projects and systems
- Compute rates, ratios, and percentages
- Analyze, identify, and interpret technical and numerical information
- Proficiently use ESRI software suite (version 10 and newer), including ArcGIS Desktop, ArcGIS Online, ArcGIS Enterprise and Portal, and implementing GIS web applications.
- Proficiently use common GIS analysis tools, including Model Builder or Python scripting
- Handle multiple projects and responsibilities simultaneously while meeting deadlines
- Work independently and efficiently with minimal supervision.
- Pay close attention to detail and carry tasks to completion.
- Communicate clearly and concisely, orally and in writing.
- Establish and maintain effective working relationships with those contacted in the course of work.

EDUCATION AND EXPERIENCE

Any combination of training and experience that would provide the knowledge, skills and abilities is qualifying. A typical way to obtain the knowledge and skill and abilities is:

Education:

Bachelor's degree in Geography, Information Management, Computer Science or a related field, with emphasis in GIS. A Master's degree is preferred.

Experience:

Two (2) years of experience operating, implementing, and maintaining automated mapping and/or Geographic Information Systems..

LICENSE AND/OR CERTIFICATE

License:

Possession of an appropriate, valid California Driver's License at the time of appointment, to be maintained as a condition of continued employment.

PHYSICAL REQUIREMENTS

Maintain the following physical abilities: See well enough to read instructions, read fine print, view computer screen, operate vehicle and related equipment; hear well enough to converse on the telephone and in person, assist the public and other staff; use hands and fingers for use of computer keyboard, copy machine, filing, writing, drive vehicles and answer telephone.

Reviewed and Approved:

Personnel Officer

Date

Class Established March 2022

BEFORE THE CITY COUNCIL OF THE CITY OF TURLOCK

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IN THE MATTER OF AUTHORIZING THE HIRING OF ONE FULL TIME EMPLOYEE POSITION OF GIS COORDINATOR

RESOLUTION NO. 2022-

WHEREAS, The City of Turlock retained VESTRA Resources to develop a Strategic Plan for the City's Geospatial Information System (GIS); and

WHEREAS, VESTRA Resources recommend three (3) staffing options relative to Staffing for the GIS; and

WHEREAS, of the Options provided, City Staff recommend Option B to fulfill the need for a GIS Coordinator position; and

WHEREAS, funding for this position will be obtained through user fees collected from effected Departments and permit fees collected from external City Customers; and

WHEREAS, the recruitment and filling of the GIS Coordinator will not be performed until Fiscal Year 22/23; and

NOW, THEREFORE, BE IT RESOLVED the City Council of the City of Turlock does hereby authorize the hiring of one (1) GIS Coordinator to fill a newly created position in the Information Technology Division through an in-house recruitment of full-time, part-time and volunteer/intern staff (with no priority given), and outside recruitment.

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Turlock this 8th day of March, 2022, by the following vote:

AYES: NOES: NOT PARTICIPATING: ABSENT:

ATTEST:

Kellie E. Weaver, City Clerk, City of Turlock, County of Stanislaus, State of California





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SECTION I: EXECUTIVE SUMMARY



Introduction

The City of Turlock's (City) GIS Program began in 2004. Over the years, the GIS program has fallen behind in both technology and resources. The current GIS software implemented at the City is considered legacy software and is no longer supported. There currently are no in-house staff that can serve the GIS needs of the various departments which constantly demand good GIS data and solutions. There are no data maintenance workflows to keep the much needed GIS data updated. The City has implemented more modern enterprise business systems in the areas of billing, permits, and work-order management that the existing GIS cannot integrate seamlessly with.

Internal City departments are increasingly in need of a modern GIS system with reliable and accurate data that is consistently maintained and updated. More recently, the City's Police Department has begun working toward the implementation of a new CAD Dispatch System. The new system's requirements include a modern GIS system at the City that can regularly supply accurate GIS data. This necessitated the City looking into upgrading the GIS. However, the City wanted to approach this in a planned manner.

As a result, the City embarked on creating a Strategic Plan for the GIS that would help the City modernize and build a robust GIS that serves the needs of internal staff, seamlessly integrate with various other business systems and ultimately improve the City's service to the public.

The purpose of the GIS Strategic Plan is to develop a five-year roadmap that will help the City to realize the following goals:

- To improve the accuracy, reliability and availability of GIS data
- To build a modern GIS that integrates with other enterprise business systems and transforms business workflows that leads to a boost in productivity
- To reform the current GIS program into a manageable, robust and sustainable program

The process began with a Needs Assessment that included gathering information via surveys and on-site interviews with GIS stakeholders in various City departments. The information gathered was analyzed and needs, gaps, and issues were identified in two primary areas: a) GIS at the Enterprise Level (discussed in Section II), and b) GIS at the Department Level (discussed in Section III).

A review of GIS at the Enterprise Level (Section II) included:

- A. Organization and Structure
- B. Technology
- C. Data and Workflows
- D. Maps and Apps





A review of GIS at the Departmental Level (Section III) included:

- A. Data Needs
- B. GIS App and Solution Needs

Based on the needs, gaps, and issues identified in the key areas above, recommendations that are essential for improvement and strategic growth were developed for each of these areas. Recommended apps and solutions were identified at both the organizational level, and departmental level.

Section IV includes an Implementation Timeline which lays out a five-year roadmap for the City to implement the recommendations made and to work towards achieving the identified goals. This also includes estimated annual costs for software and implementing projects recommended in Sections II and III.

The following table shows a high level summary of recommendations made, why they were made, and priority of implementation.

The columns in this table and their value definitions are as follows:

- **Recommendation:** Recommended action or project for improvement or advancement
- **Finding or Basis**: Reason for recommendation based on key issues or gaps identified or observed during the needs assessment
- Priority:
 - Very High Schedule for implementation in Strategic Plan Year 1
 - **High** Schedule for implementation in Strategic Plan Year 2
 - **Medium** Schedule for implementation in Strategic Plan Year 3
 - Low Schedule for implementation in Strategic Plan Year 4
 - Very Low Schedule for implementation in Strategic Plan Year 5

Summary of Findings and Recommendations

TABLE 1: HIGH LEVEL SUMMARY OF FINDINGS AND RECOMMENDATIONS

#	Recommendation	Finding or Basis (Key Issue/Gap)	Priority	Reference
GV-A	Form a GIS Advisory Committee	Lack of formal governance has led to ad-hoc GIS maintenance	Very High	Page 9
GV-B	Establish a Standard GIS Project Methodology	Recommended projects must be carefully planned and implemented in an organized fashion	Very High	Page 10
GV-C	Create a GIS User Group	Users must share knowledge and communicate regularly on	Medium	Page 12





#	Recommendation	Finding or Basis (Key Issue/Gap)	Priority	Reference
		needs and capabilities to avoid duplicative efforts and inefficient workflows		
ST-A	Add GIS Resources	Due to a lack of GIS resources, the City's GIS data and apps have become unused and unreliable	Very High	Page 13
ST-B	Centralize GIS Under IT	GIS, like any other enterprise level technology and service must be streamlined under overall IT governance	Very High	Page 15
FN-A	Develop a GIS Funding Plan	A modern GIS implementation which includes people and technology will need proper funding to be sustainable.	Very High	Page 18
FN-B	Establish GIS Service Fees	Untapped revenue sources can help contribute towards funding the GIS	High	Page 20
IT-A	Procure the ArcGIS Enterprise Platform	Current legacy GIS system cannot meet growing demands	Very High	Page 25
IT-B	Implement the ArcGIS Enterprise Platform	A modern GIS that has a broad range of capabilities is needed	Very High	Page 26
IT-C	Perform GIS Integrations	Integrating GIS with other business systems saves valuable staff time and effort	Varies	Page 31
DA-A	Create Authoritative GIS Datasets	One of the key issues related to GIS at the City is the lack of updated and reliable data staff can use with confidence	Varies	Page 37
DA-B	Establish Standard Basemap Layer Update Workflows	Existing basemap update processes will need to be re- designed to use modern systems and methods	Very High	Page 45
DA-C	Establish Standard Operational Layer Update Workflows	Standardized update processes reduces staff time and effort in data maintenance	Varies	Page 48
MA-A	Deploy Internal GIS Viewer	The current legacy GIS viewer will need to be replaced with a modern cross functional version	Very High	Page 51





#	Recommendation	Finding or Basis (Key Issue/Gap)	Priority	Reference
MA-B	Deploy Public Maps and Apps	Several departments have the need to share data publically to better disseminate information	High	Page 52
МА-С	Deploy Open Data Portal	A central hub for engaging the community using GIS is a valuable tool for sharing as well as gathering information	Medium	Page 54
MA-D	Deploy Department Focused Maps and Apps	Departments are seeking to be empowered with GIS tools that meet unique needs and specific workflows	Varies	Section III

Executive Summary Conclusion

The set of recommendations made and the order of priority established, provides a planned roadmap for the City to implement a modern Enterprise GIS Platform that will create a new, core business capability that can elevate staff efficiency and effectiveness in conducting daily business workflows. In the long term, this is of great value and benefit to the City and its residents.

The following three sections of the report expand on the recommendations summarized herein and provide more details on strategy and methods to follow.





SECTION II: GIS AT THE ENTERPRISE LEVEL



Organization and Structure

Overview

The idea that GIS is software that helps municipal governments use maps to get their job done is valid, but dated. The paradigm has shifted and is now much broader than that. A significant amount of City workflows and third party business systems use location at the most basic level. Whether it is responding to an emergency event, maintaining public safety, or engineering City infrastructure, GIS is a core data component providing both physical location and feature attribute information. However, the usefulness of GIS is not in just being able to map this information. The value is in the science, analysis and insights that can be gained once spatial data is tied with information from other business domains at the City. Combining the mapping and analysis aspects of GIS together provide what is known as location intelligence. This is where the actual power and business benefits of GIS lie which will truly allow the City to extract maximum benefit out of its GIS investment.

GIS is a critical component for City business functions and the City has much to gain from making their workflows more GIS-centric. The City needs to realize that by committing to an Enterprise GIS Implementation, they are actually embarking on building an entirely new business capability centered on the science of location. But building a location-centric business capability should be approached with careful planning, thoughtful intentions, and within a good overall organization and structure. The following section provides guidance on three areas -a) Governance, b) Staffing, and c) Funding, that together are intended to provide a good organizational and operational framework for the City's GIS.

Governance

Good GIS Governance is critical within any organization. GIS Governance allows the city to set proper direction and execute a set of policies and processes that drive key business outcomes, which in turn, allow the city to extract the desired value out of GIS for the benefit of stakeholders. Governance provides the accountability and control needed by the City to make better decisions to manage GIS growth and demand, set expectations, and nurture the development of GIS in alignment with overall City direction and goals.

GIS governance includes a broad set of practices in the areas below:

First, GIS governance is about setting direction¹. As part of this, the City will need to have a structure that defines what kind of decisions will need to be made to guide the direction of GIS as a location capability and how and by whom these decisions will be made.

¹ <u>https://resources.esri.ca/news-and-updates/governance-for-gis-decisions-and-decision-making</u>





Second, GIS governance includes the framing of certain policies and procedures for guiding and managing GIS growth and direction. These form the framework within which the GIS will operate. These policies and procedures will need to include:

- **Infrastructure** GIS architecture and technology stack, application portfolio, security, and performance
- Data Data standards, QA/QC processes, data stewardship and data access controls
- Staffing and Training GIS staff sizing, GIS staff skill levels needed, and skill development
- Service Delivery Communications, coordination, business needs assessment, GIS service request resolution, GIS project management and solution delivery.
- **Funding** Budget allocation

A typical GIS Governance Structure is shown below, followed by a brief description of each functional level. While it would be ideal for all the levels shown to be setup, only the GIS Advisory Committee (highlighted by a dotted line) is being provided as a recommendation in this report, to keep the effort simple and realistic. However, there may be a need to expand the structure and introduce other levels as the GIS matures within the organization, at which point, this section can be a handy reference. Note that the GIS User Group is not part of the governance structure but is included to illustrate who the governance structure serves.





Executive Sponsor(s) - The role of the Executive Sponsor is to act more as an influencer for the GIS vision and direction at the City. It is important that the city have an individual or group of people who recognize the value of GIS over the long term, capture the GIS vision for the city, and motivate the organization to remain focused in achieving its goals and objectives for the





GIS. Building location as a business capability requires commitment, leadership, and a deep understanding of the benefits of GIS centric business practices at the top levels of the organization. The executive sponsor can participate in actual decision making as a member in the lower levels of the governance structure such as the Technology Steering Committee or the GIS Advisory Committee.

Technology Steering Committee – The role of the technology steering committee would be to act as an IT review board that provides formal approval of operational and capital funding of technology related requests. The benefit of a technology steering committee is that it gives the city a formal process for technology initiatives and creates a group with funding related decision making authority for GIS governance.

GIS Advisory Committee – The GIS advisory committee is the heart of the governance structure and is included as a recommendation for the City. The role of this committee is to make strategic business and investment decisions related to GIS technology. An important source of information for the groups decisions are recommendations from working groups (if present) based on actual needs from the GIS user group. If working groups as mentioned below are not present, this committee also performs the role of the working groups.

Working Group(s) – The role of the GIS working groups is to direct and monitor activities based on decisions made by the advisory committee. There can be one or more working groups for specific areas of governance such as technology or GIS operations. Typical working groups include: technology working groups and the operations working groups. The technology working group would ensure policies related to technical aspects of GIS (e.g. platform performance metrics, mobile deployment strategy, etc.) are being met. The operations working group would ensure policies related to operational goals (e.g. service delivery standards, GIS help desk request resolution times, project budgets, etc.) are being met. A key contribution of this group is to provide recommendations to the GIS advisory committee in alignment with overall GIS vision and based on end user needs and priorities.

GIS User Group – This is comprised of the GIS user base in the City and is the ultimate benefactor of GIS governance. Forming a GIS User Group is included as a recommendation in this report. The members of this group are stakeholders from various departments who use the technology as part of daily workflows. An important function of a GIS User Group is to interact with each other periodically to share knowledge and issues and provide feedback to the GIS advisory committee (directly or via working groups, if present) to ensure their needs remain at the forefront as the technology matures within the organization. This improves overall communication and information sharing among departments and the GIS user base which is something the City currently lacks.





Recommendations

The following table summarizes recommendations related to GIS governance that include guidance on aspects such as GIS related decision making, advisory and policy framework, project execution patterns, and communications. Each of the recommendations is elaborated with more details further below.

#	Recommendation	Priority
GV-A	Form a GIS Advisory Committee	Very High
GV-B	Establish a Standard GIS Project Methodology	Very High
GV-C	Create a GIS User Group	Medium

TABLE 2: SUMMARY OF RECOMMENDATIONS RELATED TO GIS GOVERNANCE

The GIS Advisory Committee should include the various department heads, along with a GIS Coordinator (see staffing recommendations, Page 13) as staff. This encourages representation, participation, and ownership of GIS governance at the highest levels of management.

It is recommended the City create a Committee Charter that clearly defines the Committees' mission, roles and responsibilities. This helps set expectations and minimizes conflict. The following are typical topics to be decided and enshrined in a charter.

- Scope and mission who/what are they in charge of? (E.g. funding, projects, etc.)
- Extent of decision making authority are they advisors, or final decision makers?
- **Decision making process** how will decisions be made and approvals formalized?
- **Deliverables** What will they produce? (E.g. agreements, policies, reports, etc.)
- **Funding** How will funds be allocated or funding decisions made?
- **Meeting schedule** How often will the committee meet

The following tasks outline a high level process the City can perform to form a GIS Advisory Committee.

Task	Description
1	Identify GIS Advisory Committee members.
2	Set up working meetings with proposed GIS Advisory Committee to discuss and finalize
	Committee Charter components
3	Finalize Committee Charter and present to City Council for formal approval
4	Begin meeting per agreed upon schedule and conduct business per Charter
5	Adopt policies as applicable (see below) and provide guidance and direction

TABLE 3: GIS ADVISORY COMMITTEE FORMATION PROCESS

Once formed, the GIS Advisory Committee is anticipated to adopt a number of policies. These include but are not limited to:





GIS project methodology	See Page 10
Help desk policies	See Page 19
Software and licensing purchases	See Page 25
Mobile deployment strategies and policies	See Page 30
Standardized data maintenance workflow policies for basemaps and operational	See Page 45
data	
Metadata policies for data layers and web services	See Page 49
Data update communication and notification policies	See Page 49
Open data policies	See Page 54
Job descriptions and qualifications of GIS FTE's	Appendix A

GV-B. Establish a Standard GIS Project Methodology	Priority: Very High

Recommended projects in this Strategic Plan must be carefully planned and implemented in an organized fashion. A key factor for success will be the establishment of a proper methodology to execute GIS projects. This methodology must be folded into the larger IT governance policies, as applicable. Some key aspects of the GIS project methodology are listed below. It is anticipated that all projects recommended in this strategic plan will follow the below methodology, to the applicable extent.

- GIS projects should begin with requirements gatherings session(s) between IT/GIS and departmental stakeholders
- GIS projects should include a clear list of deliverables and estimated schedule of completion provided to departmental stakeholders
- GIS projects should establish roles and responsibilities of IT/GIS and departmental stakeholders
- Continuous data or app maintenance activities must include regularly scheduled communications with end users and obtain frequent feedback on usage and satisfaction levels.

In addition, it is recommended that all GIS projects follow the following pattern of tasks, as applicable. Note that not all projects will include every task described below but the pattern is included to act as a broad guide for executing GIS projects.





FIGURE 2: GIS PROJECT TASK PATTERN



Descriptions of each task are as follows:

- 1. **Requirements/JAD Sessions**: Conduct detailed requirements gathering and/or joint application design sessions. This includes:
 - Identify GIS datasets that need to be available in the application or workflow solution (see Data Needs table)
 - Identify departmental data stewards who will be in charge of communicating source data updates to a GIS resource
 - Design GIS data maintenance workflows to ensure GIS datasets stay up to date. This includes:
 - GIS data update procedures using manual editing and/or automated methods
 - Communication and notification protocols between data stewards, GIS resources, and end users, including status/error reporting of automated processes
 - Define requirements and method of integration of GIS with other business systems (e.g. New World, OnBase, Mobile MMS, CCTV, etc.)
 - Identify user functionality requirements including tools needed such as print, buffer, search, query, filter, etc.
- 2. Data: Prepare data to be used by the application or workflow solution. This includes:
 - Create, update, prepare datasets via manual data editing





- Data conversion
- Establish automated data updates, manipulation and conversion (e.g. via Python scripts)
- Establish integration between GIS and other business systems
- 3. **Design and Publish Services**: This includes establishing layer order and grouping, layer display scales, fields to display, symbology, labeling, definition queries, etc. Published GIS web layers must be optimized for performance using settings such as pooling, antialiasing, security, maximum records returned, etc., per design
- 4. **Author Web Maps**: Authoring web maps includes choosing appropriate basemaps, configuring popups, setting the initial extent, bookmarks, layer filters, labeling, etc., per design
- 5. **Configure or Customize Apps**: Configure web applications including tools and widgets, per design. If out-of-the-box widgets do not meet requirements, the widgets must be extended or custom ones built, as-needed. The City may use outside consultants to assist in this effort. GIS Integrations with other business systems may require custom development as well.
- 6. **Deploy:** This task includes deploying the app after proper testing and user feedback. Training must be provided after the app or workflow solution goes live.

GV-C. Create a GIS User Group Priority: Medium
--

One of the priorities mentioned by various departments was the importance of better internal communication and coordination between departments, when it comes to GIS. If departments don't share knowledge and communicate regularly on needs, capabilities, data, etc., there will be duplicative efforts and inefficient workflows.

It is recommended that the City setup a quarterly GIS user group, chaired by the GIS Coordinator and with the proposed GIS Technician as the note taker. User groups act as a great forum for expressing GIS needs and letting the GIS team know what priorities are. Typical discussions in user group meetings may include but are not limited to:

- Issues that GIS Advisory Committee should be aware of to prioritize direction in policy and technology
- Technology or training topics
- Technical issues related to apps, solutions and software
- Project / data help needed
- How to's
- Latest topics in the GIS industry

The following tasks outline a high level process the City can perform setup a GIS User Group





Task	Description
1	Create a mailing list of all GIS users in the City
2	Create agenda for first user group meeting
3	Send invites for first user group meeting
4	Conduct meeting with topics such as GIS Strategic Plan, projects, data priorities, etc.
5	Obtain feedback and report noteworthy topics to GIS Advisory Committee

Staffing

The City's GIS is not currently staffed. If the City wants to provide efficient GIS services internally as well as to the public, it has to add dedicated staff resources to GIS. The City previously had a staff member that played a GIS coordination role to ensure GIS data was updated on a regular basis and another staff member who performed GIS data updates. Currently, the City lacks both these positions which has led to the GIS data not being up to date and with no maintenance to the level of data accuracy. Due to a lack of GIS resources the City's GIS data is, in general, unreliable. Data is core to a GIS and it is crucial that an Enterprise GIS has accurate and up to date data, in order to accomplish this and maintain its data, the City needs sufficient staffing.

Previous GIS support staff were present within individual departments (e.g. Engineering) that bore responsibility of maintaining the GIS out of department need. Since GIS is an enterprise system and technical service that is used by multiple departments, GIS staffing should also be centralized similar to Information Technology. A centralization of GIS staffing will allow the City to streamline funding and better manage maintenance costs.

Key Issues and Gaps related to GIS Staffing include:

- Lack of a GIS coordination role that would be in charge of managing and maintaining the GIS while maintaining a high level of communication with internal stakeholders
- Lack of a GIS resource that will provide support on day-to-day GIS data maintenance, handling GIS requests, and execute GIS projects on a timely basis

Recommendations

The following table summarizes recommendations related to staffing that include guidance on staffing levels, roles and staff organization. Each of the recommendations is elaborated with more details further below.

#	Recommendation	Priority Rank
ST-A	Add GIS Resources	Very High
ST-B	Centralize GIS under IT	Very High

Staffing Levels, Roles, and Costs

ST-A. Add GIS Resources	Priority: Very High
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The City needs a minimum number of two GIS roles to meet day-to-day, ongoing, and long term GIS demands from staff. These roles include one (1) GIS Coordinator and one (1) GIS Technician. In addition, GIS resources that can perform system architecture design and maintenance, data analysis, and application development, will be needed based on projects and tasks at hand.

Three recommended options are being provided to the City for adding GIS resources. The option chosen will depend on the City's budget considerations. These options are presented and discussed below.

Resource Option A	Resource Option B	Resource Option C
Hire a Consultant-provided GIS Team	Hire a GIS Coordinator (1 FTE), Hire a GIS Consultant for additional support	Hire a GIS Coordinator (1 FTE), Hire a GIS Technician (1 FTE), Hire a GIS Consultant for additional support
Consultant team includes: • GIS Coordinator • GIS Analyst(s) • GIS Technician(s) • GIS Systems Architect • GIS Programmer(s)	Consultant team includes: - - GIS Technician(s) GIS Systems Architect GIS Programmer(s)	Consultant team includes: - - - - - GIS Systems Architect - GIS Programmer(s)
 Pros: Flexible, as-needed and on-demand support Manage cost based on available budget Highly experienced and well trained team available from the get go Cons: Limited amount of support hours in a year 	 Pros: Coordination/analyst services provided all year round Cons: FTE costs can be high FTE's may need additional training in certain support areas Cost management is less flexible than Option A 	 Pros: Coordination/analyst and technician services provided all year round Cons: FTE costs can be high FTE's may need additional training in certain support areas Cost management is less flexible than Option A or B
Estimated Costs: \$100,000/yr [OR] \$500,000 over 5 years	Estimated Costs: \$218,500/yr (FTE: \$168,500/yr + Consultant: \$50,000/yr) [OR] \$1,092,500 over 5 years	Estimated Costs: \$305,000/yr (FTE's: \$285,000/yr + Consultant: \$20,000/yr) [OR] \$1,525,000 over 5 years

TABLE 6: RESOURCE OPTIONS





Estimated FTE costs were derived as follows:

- GIS Coordinator (Salary + Benefits) = \$168,500 (based on City's IT Coordinator FTE costs)
- GIS Technician (Salary + Benefits) = \$116,500 (based on City's IT Technician FTE costs)

The following is a summary of primary responsibilities of proposed GIS staff, if Option B or C above, are chosen.

Role	Primary Responsibilities	
GIS Coordinator	 GIS Project Recommendations to Advisory Committee, Department GIS Liaison GIS Project Management, GIS Staff Supervision, GIS Resource Allocation, Operational Oversight, GIS Contractor Management. Configuration and deployment of internal and public maps and apps GIS Needs Assessments, GIS Solution Design Enterprise GIS System Administration (GIS Servers, Databases and Applications) 	
GIS Technician	 Departmental GIS mapping and data support (day-to-day and project based), Perform work as assigned by GIS Coordinator 	

TABLE 7: SUMMARY OF GIS STAFF RESPONSIBILITIES

Appendix A provides examples of job descriptions for the above positions.

In consideration of existing GIS resource needs identified, pros and cons mentioned above, and the City's current financial situation, it is recommended the City consider **Resource Option A**.

Staffing Organization

ST-B. Centralize GIS with IT	Priority: Very High	
If either Resource Option B or C from Table 6 is chosen, it is recon	mmended the City adopt a	
centralized GIS organizational structure, where GIS operates as part of the IT department. Under		
this model GIS becomes an enterprise level technology service	with proposed GIS staff	

this model, GIS becomes an enterprise level technology service with proposed GIS staff becoming a part of IT staff, and operating as the central GIS team for the City. Instead of individual departments hiring GIS resources to get projects done, GIS service delivery becomes an enterprise function provided by the central IT/GIS team. This helps alleviate the current situation where departments are experiencing both time and resource constraints making them unable to have their own GIS staff. By centralizing the GIS team, better lines of communication





regarding GIS data and workflows can be established. In addition, it must be understood that GIS is an enterprise level technology and service which like IT, should be under the purview of the Administrative Services department.

As part of this centralized organizational structure, the proposed GIS coordinator will report directly to the Administrative Services Director whose purview includes IT (and with this proposal, "IT/GIS"). By establishing proper lines of authority, the City can avoid the risk of the GIS being simply seen as just a "mapping software installation", instead of its true role as an enterprise-wide location intelligence platform. The proposed GIS Technician will report to the GIS Coordinator. IT staff will work closely with GIS staff and provide assistance related to any system infrastructure and administration needs. The GIS Coordinator will also play an active role in the GIS Governance structure and will act as the GIS liaison between departments and the GIS advisory committee.

The figure below illustrates the proposed staffing organization and structure.





Funding

The City's Police Department is providing funding for the implementation of a new GIS system, laying a foundation, and some initial maintenance. However, the City still needs to be able to fund the GIS staff and maintenance in the future. As part of determining a funding model that





might fit the City, several local government agencies were interviewed. The following is a summary of their GIS funding models.

City of Elk Grove, CA: The City considers GIS as an enterprise wide technology service provided by the IT department. The City maintains a GIS help desk that is used to track requests from departments. This is used to determine how much departments are charged for IT and GIS services (including, staff, software licenses and support services). Additionally, the City charges departments a per user fee. Department contribution for GIS services is proportionate to the size of the department. The City also charges a technology fee when permits are issued. However, this becomes part of the enterprise fund and is not specific to compensating GIS staff, software or services. Departments pay for GIS services just like IT services out of their annual budget.

City of Berkeley, CA: Historically, the City's Public Works paid for most of the GIS costs. A few departments had their own GIS power users that were paid for out of department budgets. However, that all changed three years ago when the City developed a Cost Allocation Model and centralized GIS under IT as just another IT service. This was done to streamline funding and management of technology, software and services at the City. This also ensured equitable GIS services for all internal departments. Departments are charged for GIS services based on a per user fee as well as per workstation that has GIS software license installed. The per-user-fee is used to fund software licensing while the per-GIS-workstation fee is used to fund hardware upgrades and changes. Departments pay for GIS services just like IT services out of their annual budget.

City of Medford, OR: The City is structured similar to Elk Grove and Berkeley. The City is currently considering charging fees based on GIS user type in the software licensing structure (Viewer, Field Editor, Creator, Professional, etc.). Departments pay for IT/GIS services out of their annual budget.

City of Mountain View, CA: The City is structured similar to the cities above. The City maintains a detailed cost allocation model where GIS service requests are broken down into subcategories such as map request, data request, app request, project, and so on. Departments are charged based on requests made annually. Departments pay for GIS services just like IT services out of their annual budget. While all GIS staff are under IT supervision and management, certain portions of staff salaries do come from specific departments that are heavier users or have a higher volume of requests. For example, the water department pays 50% of an IT/GIS staff member's salary while the other 50% comes out of the general fund. Additionally, the City uses CIP funds from longer term projects to pay for GIS costs such as GIS consulting services, utility layer conversions, and purchasing hardware.

As can be seen from the examples of other Cities, every City does things a bit differently. Some of the common factors are:





- GIS is considered an enterprise service, similar to IT, and department contribution is determined similar to IT service usage calculations.
- Some revenue such as a "Technology Fee" is collected out of permits, utility fees, etc., that can offset GIS service costs.
- Some cities utilize large funds such as CIP funds to pay for certain GIS expenses outside of the core expenses of licensing and staff.
- Some cities use an internal GIS service request tracking system to determine departmental contributions to the enterprise service.

Based on the above, there is no one size fits all solution. For the City, the best approach might be to use a combination of models to derive GIS funding.

Recommendations

The following table summarizes recommendations related to funding that include guidance on revenue sources that could be leveraged to fund the GIS system and staff resources. Each of the recommendations is elaborated with more details further below.

TABLE 8: GIS PROGRAM FUNDING RECOMMENDATIONS

#	Recommendation	Priority Rank
FN-A	Develop a GIS Funding Plan	Very High
FN-B	Establish GIS Service Fees	High

FN-A. Develop a GIS Funding PlanPriority: Very HighA modern GIS implementation which includes people and technology will need proper funding
to be sustainable. From the examples of other Cities above, the City may benefit from a
combination of funding sources for GIS, as it could allow the City to draw from a larger pool of
financial resources. The two main sources of funding are A) Enterprise GIS Service Fund and B)
General Fund.

A. Enterprise GIS Service Fund

GIS is a true enterprise level technology service that once implemented is available for all departments to leverage. As a result, an Enterprise Service Fund could be setup that departments pay towards GIS services. The following are two ways the City may determine proportion of departmental contribution toward an Enterprise GIS Service Fund.

- i. Cost Allocation Based on Department Size
- ii. Cost Allocation Based on GIS Service Requests

i. Cost Allocation Based on Department Size





Different cities approach this differently and methods range from simple to complex. Simpler methods include formulas such as:

 $Department Cost = \frac{Annual GIS Program Cost}{Dept.Staff Count}$

Based on department staff size alone, the funding proportion per department would be as follows.

Department	Staff Count	% GIS Budget Contribution
Development Services	34	10%
(Planning, Building,		
Engineering, Transit, Housing)		
Fire and Neighborhood	57	16%
Services		
Police	116	33%
Parks, Recreation and	30	9%
Facilities		
Municipal Services	73	21%
Administrative Services ²	39	11%

TABLE 9: GIS FUNDING PROPORTION PER DEPARTMENT

The City may choose to further refine the allocation by determining actual GIS usage within the departments to arrive at a more "realistic" proportion for each department, at least after the first year of the implementation, and based on preliminary usage numbers.

ii. Cost Allocation Based on GIS Service Requests

A common method used by various municipal organizations to determine GIS funding allocation is the use of a GIS help desk. This allows tracking of GIS system and staff time usage, which in turn helps derive a more accurate annual GIS cost allocation for each department. In addition, the GIS help desk system can help the City become more proactive in addressing GIS needs and improve communication between GIS users and IT/GIS.

It is therefore recommended the City implement a GIS Help Desk system, and also establish policies for GIS support requests to be made via the Help Desk system. The City can use the existing IT Help Desk system and add the ability to take GIS Service Requests to it. The proposed City GIS staff within IT/GIS will be the main request takers. The types of GIS service requests the City should consider include:

² Does not include IT staff




- **Map requests** Maps for reports, displays, discussions, public hearings, as part of projects, etc. These maybe printed or digital maps that may be working maps for discussion or planning purposes, or official City generated displays for internal use or for the public
- **Data requests** Improvements to existing GIS layers in shapefile or feature class format such as schema changes, and feature and attribute edits. This includes requests for creating brand new layers.
- **Application requests** Improvements to existing GIS web mapping applications, story maps, etc., including tool enhancements, user interface (UI)/ user experience (UX) changes, map symbology, labeling, data display changes, etc.

At the end of the first year of the strategic plan implementation, the City can use the GIS help desk request statistics and combine it with Enterprise Service Fund allocation to further refine the annual departmental cost allocation.

B. General Fund

Since GIS is an enterprise wide technology service, the City may be obligated to pay for a portion of the operating costs out of the City's General Fund. This approach can be used, after determining a more accurate departmental contribution proportion towards Enterprise Service Funds and if there is any funding gap to fill. It is anticipated that the City will get a clearer cost picture after at least the first year of the implementation plan.

FN-B. Establish GIS Service Fees	Priority: High
To contribute toward the Enterprise GIS Service Fund, it is recom	mended the City tap into
potential revenue sources for each department/division.	

The following table shows potential revenue sources, along with estimated annual revenues.





TABLE 10: SUMMARY OF POTENTIAL REVENUE SOURCES AND ESTIMATED ANNUAL REVENUES					
Department or Division	Existing GIS Fee Source (if any)	Average Annual Fee Based Revenue	Proposed GIS Fee Source	Estimated Annual Fee Based Revenue ³	Total Estimated Annual Fee Based Dept. Revenue
Planning					\$15,000
	Land Use Entitlements	\$15,000.00			
Building					\$45,000
			Building Permit GIS Fee	\$45,000	
Development Engineering					\$54,500
	Development Fees ⁴	\$8,000.00			
			Subdivision Map Update Fee	\$500	
			Utility Infrastructure Map Update Fee	\$45,000	
			Lot Line Adjustment Map Update Fee	\$250	
			Roadway Dedication Map Update Fee	\$500	
			Easement Map Update Fee	\$250	
CIP					\$12,500
			Encroachment Permit GIS Fee	\$12,500	
Finance					\$7,500
			Business License GIS	\$7,500	

³ Estimates are preliminary and were derived by multiplying the average number of times fees are charged in a year, with an estimate of GIS staff time needed to update the GIS. The City may consider conducting a user fee study to determine a more precise fee cost.

⁴ Includes GIS development charges for residential and non-residential developments





Department or Division	Existing GIS Fee Source (if any)	Average Annual Fee Based Revenue	Proposed GIS Fee Source	Estimated Annual Fee Based Revenue ³	Total Estimated Annual Fee Based Dept. Revenue
			Fee		
Fire					\$2,000
			Sprinklers, Alarms and Hood System Permit GIS Fee	\$2,000	
Transit and Traffic					NA
Neighborhood Services					NA
Police					NA
Parks and Facilities					NA
Municipal Services					NA
ALL TOTALS					\$136,500

Organization and Structure Conclusion

With proper Governance, Staffing and Funding, the City will be able to lay a solid foundation for a GIS system that will be able to handle the demands of the modern enterprise. This foundation can help the GIS scale as needed and experience meaningful growth while remaining at a manageable and predictable maintenance cost.





Technology

Overview

The Information Technology Department (IT) is responsible for providing services related to managing and maintaining the City's technology and business system infrastructure, telecommunications, networking, etc. IT also provides support for general maintenance and support of the GIS system infrastructure. The GIS system was assessed in the areas of a) Software and Architecture, b) Enterprise Data and Workflows, c) Integrations, d) GIS applications, and e) Security and Identity

The primary and most urgent issues and gaps for IT/GIS infrastructure are summarized below followed by details of the assessment. This is then followed by technology recommendations aimed at addressing the issues, needs, and gaps identified.

Key Issues and Gaps:

- Legacy GIS System that is outdated
- Lack of authoritative central GIS database
- Limited and ad-hoc data update processes
- Limited to no capabilities for integrations with other enterprise business systems
- GIS applications are limited and built on old technology
- No infrastructure in place to facilitate secure or public apps and web services

Software and Architecture: The City has been using MapGuide software for its GIS. This is a legacy system that is built on outdated technology. The current MapGuide based GIS system is presented in the figure below.







The architecture includes development and production environments which is a recommended practice for any enterprise system.

Enterprise GIS Data and Workflows: There are approximately 100 datasets in shapefile format and within SQL server that together can be considered to be the City's central GIS database. These shapefiles and datasets are predominantly static. Basemap data (parcels, roads and addresses) and certain utility datasets are among the few that are updated on an as-needed and ad-hoc basis. A few data update processes are automated (e.g. basemap updates and Zoning updates out of the New World system), and can also be run manually on an as-needed basis.

Integrations: There are several modern third party enterprise business systems that if integrated with GIS will benefit the business processes of several departments. The current GIS system does not have sufficient workflows or capabilities in place to facilitate modern methods of





integrations with the City's third party systems (e.g. using web services). This has led to delays in data updates and overall system inefficiencies. Some of the key business systems that could be integrated with GIS include:

- New World Systems (Billing, Permitting)
- OnBase (Records Management)
- Mobile MMS (Work Order Management)
- TriTech CAD/RMS (Dispatch)
- Zoll RMS (Fire Records)
- Park Reservations
- CCTV (future)
- AVL (future)

GIS applications: The City currently has one Citywide Mapguide based GIS viewer that runs only on the Internet Explorer browser. A common complaint has been that data on this viewer is outdated. In addition, the tools and user experience is not the most user friendly. Internet Explorer has limitations of its own and modern browsers such as Chrome provide a much better experience. While a Citywide viewer has its place, it can become overwhelming for the user when there are datasets from all departments presented. A better solution would be to create focused GIS apps for individual departments in addition to a Citywide viewer. Departments have expressed the need for lighter weight but focused apps for their unique needs.

Security and Identity: In terms of security, the entire GIS system is internal facing only. While this has worked so far, several departments have expressed the need to publish public facing web applications. As such, the necessary infrastructure and security mechanisms need to be in place to facilitate public access to maps and apps. Moving forward, the City will need to be prepared to adopt identity based access to various GIS maps and apps which has become a core feature of modern GIS platforms.

Recommendations

Perform GIS Integrations

The following table summarizes recommendations for the City which provided in the areas of Software Platform and Licensing, Architecture, and GIS System Integrations. Each of the recommendations is elaborated with more details further below.

GIS SYSTEMS INTEGRATIONS				
#	Recommendation	Priority Rank		
IT-A	Procure the ArcGIS Enterprise Platform	Very High		
IT-B	Implement the ArcGIS Enterprise Platform	Very High		

 TABLE 11: RECOMMENDATIONS FOR SOFTWARE PLATFORM AND LICENSING, ARCHITECTURE AND

 GIS Systems Integrations



IT-C

Varies



Software Platform and Licensing

IT-A. Procure the ArcGIS Enterprise PlatformPriority: Very HighArcGIS is the world's leading mapping and analytics software used by thousands of local
governments in the nation and across the world. From a more local context to Turlock; Stanislaus
County, City of Modesto, Merced County, and City of Merced, all use ArcGIS software. The
notable features of the ArcGIS platform with respect to Turlock's GIS needs include:

- ArcGIS Online Cloud GIS platform for publishing Open Data and public maps and apps, content creation, and mobile app based GIS data editing and capture in the field.
- ArcGIS Enterprise Core Enterprise GIS platform that lays the foundation for a centralized authoritative database, automated workflows, integrations with other systems, and internal maps, apps, and services
- ArcGIS Pro Professional, modern GIS desktop software for data editing and publishing maps, apps and services

Esri, the maker of ArcGIS software, offers two licensing models for software purchases that affects pricing. These licensing models are explained below.

- **Perpetual Licensing (PL)**: Under this licensing model, the City will purchase a recommended number of software licenses for desktop and server software, and pay a one-time purchase price, and yearly recurring maintenance fees.
- Small Government Enterprise Agreement (SGEA or simply EA): Under this licensing model, the City will be provided unlimited licenses for a fixed yearly cost, payable up front, for a three-year term. The pricing is based on City population.

Three recommended software licensing options are being provided to the City. The option chosen will depend on the City's budget considerations. These options are presented and discussed below.

Software Option A (ArcGIS Online)	Software Option B (ArcGIS Enterprise and ArcGIS Online using Perpetual Licensing)	Software Option C (ArcGIS Enterprise and ArcGIS Online using SGEA)
Fully cloud based. Uses ArcGIS Online for hosting all apps and services	Hybrid architecture. Uses on- premise servers for hosting internal apps and services. Uses ArcGIS Online for hosting public apps and services	Hybrid architecture. Uses on- premise servers for hosting internal apps and services. Uses ArcGIS Online for hosting public apps and services
 Number of Software Licenses: ArcGIS Online (5 Creators, and 45 	Number of Software Licenses: • ArcGIS Online (5 Creators)	Number of Software Licenses:ArcGIS Online (250)ArcGIS Pro Advanced

TABLE 12: SOFTWARE OPTIONS





Software Option A (ArcGIS Online)	Software Option B (ArcGIS Enterprise and ArcGIS Online using Perpetual Licensing)	Software Option C (ArcGIS Enterprise and ArcGIS Online using SGEA)
Viewers)ArcGIS Pro Advanced (1)	 ArcGIS Pro Advanced (1) ArcGIS Enterprise Standard (1) 	(Unlimited)ArcGIS Enterprise Standard (Unlimited)
 Pros: Cloud based. No installation or maintenance costs Cons: Accessible only to a limited set of City staff Limited capabilities for integration with other City business systems 	 Pros: Accessible to all City staff GIS can integrate with other business systems Cons: Some installation and maintenance costs incurred 	 Pros: Accessible to all City staff GIS can integrate with other business systems Best practices based GIS architecture based on industry standards Unlimited licenses offer flexibility and future proof scalability Cons: Higher installation and maintenance costs incurred
Estimated Costs: \$12,200/yr [OR] \$61,000 over 5 years	Estimated Costs: \$15,700/yr [OR] \$78,500 over 5 years	Estimated Costs: \$41,000/yr [OR] \$205,000 ⁵ over 5 years

In consideration of existing software needs identified, pros and cons mentioned above, and the City's current financial situation, it is recommended the City consider **Software Option B**.

Architecture

IT-B. Implement the ArcGIS Enterprise Platform	Priority: Very High			
A recommended GIS architecture has been developed for the Ci	ty which incorporates the			
Software Options mentioned above. The GIS architecture includes the following capabilities:				

• Flexible Application Implementation: Most apps needed by the City and recommended in this strategic plan can leverage COTS solutions from Esri (the software vendor behind the ArcGIS Platform). This configure-first approach leads to cost savings due to reduced

⁵ The normal EA pricing is \$50,000/yr for a three year term. However, Esri is offering "ramp-up" pricing for the City of Turlock's benefit, which amounts to a total of only \$205,000 over five years. After the first three year term, the City will be charged at the rate of \$50,000/yr for subsequent three year terms, payable up front.





dependence on custom app development services. As needs expand to meet unique workflows and functionality not met by COTS apps, the platform supports extending and customizing the solutions thus providing the City flexibility in solution deployment.

- Automation: Repetitive workflows can be automated to improve efficiency, consistency and productivity, using scripting and windows task scheduler.
- **Application Integration:** The architecture supports combining data and tools from other enterprise business systems via integrations. This improves cross-functional business processes and provides integrated views of information across the organization.
- **Environment Isolation:** Unintentional system changes can cause system failure reducing system reliability. Environment isolation insulates different computing environments from the risk of unmanaged change, helping the City better maintain functionality, stability, and performance. The architecture uses both production and staging environments to facilitate proper isolation.
- Security and Identity: Users can securely access maps, apps, data, and analysis tools. Identities allow management of access based on user types and needs to deliver the right content and capabilities to the right users. The architecture includes a built-in identity store but also supports enterprise identity stores such as Windows Active Directory.

The following diagram shows the proposed Enterprise GIS architecture based on recommended options that would help the City meet its overall GIS needs over the next 5 years. The architecture components and technical specifications are detailed further below.

FIGURE 5: PROPOSED ENTERPRISE GIS ARCHITECTURE





City of Turlock Enterprise GIS Architecture (Recommended Options)



Under Software Option A, the City will only install one license of ArcGIS Pro on a City GIS workstation. The following are recommended specifications for this machine.

- OS: Windows 10 Professional
- RAM: 16 GB or higher
- Dedicated Graphics: 4GB or higher

ArcGIS Online will be used for hosting apps, maps and services.

Software Option B includes the addition of an ArcGIS Server.

ArcGIS Server 1 – This functions as the primary ArcGIS Server that will be used to publish a) public facing GIS web services, and b) internal GIS services that allow integrations with enterprise business systems such as New World and OnBase. A ArcGIS Web Adaptor (not shown in the architecture diagram), a component of ArcGIS Enterprise that forwards requests to the ArcGIS Server, will be installed on this machine. The following are recommended specifications for this machine.

- OS: Windows Server 2016 or higher
- RAM: 32 GB or higher





• HDD: 250 GB

This will configured as what is called the ArcGIS Enterprise Base Deployment, where a GIS web portal is setup as a primary way for staff to access internal (departmental and organization-wide) maps and apps. An example of an internal GIS web portal is shown below.



FIGURE 6: EXAMPLE INTERNAL GIS WEB PORTAL

Software Option C includes additional servers to build an architecture based on industry best practices such as high availability, environment isolation, redundancy, and scalability.

ArcGIS Server 2 – This server allows clean separation of public and internal services. The following are recommended specifications for this machine.

- OS: Windows Server 2016 or higher
- RAM: 16 GB or higher
- HDD: 100 GB

Note – The proposed architecture diagram shows ArcGIS Server 1 as a single machine deployment where the Portal and ArcGIS Server are installed on the same machine. However, these components can potentially be deployed on separate machines. This determination is dependent on a) authentication mode used for the system, and/or b) amount of management overhead the City is comfortable with.





ArcGIS Server 4 and 5: These are servers that will have staging versions of the software installed and are used for staging services, maps and apps before they are pushed to production. These are meant to be as close in state (including data, services, and apps) as possible to the production servers ArcGIS Server 1 and 2, and share the same specifications as their production counterparts.

Central GIS Data Repository: The central GIS data repository consists of one or more file geodatabases (Software Option A) that reside on a shared network drive, or optionally, enterprise geodatabases based on SQL Server (for Software Options B or C). These will include the City's core and authoritative GIS datasets that are edited and updated on a consistent basis both manually and via automated processes. Both production and development versions of the central repository will need to be created to ensure proper testing and quality checking before data goes live into apps and services. The data in the central geodatabases will be edited using the City's proposed ArcGIS Desktop software.

GIS Integrations: Integrating the GIS with other business systems provides very high value to any Enterprise GIS Implementation. To function as a platform, robust integrations of the GIS with other business systems are necessary. Three types of integration methods are common in the industry – RDBMS based integration, SDK/API based integration and file export and scripted workflow based integration, as shown below.

FIGURE 7: GIS INTEGRATION METHODS



In the City's case, integrations with New World, Mobile MMS, and OnBase are anticipated to be API or RDBMS based. Integrations with all other systems are anticipated to be scripted (automated) workflow based.

Security: In addition to using identity based authentication, the entire architecture uses https and SSL certificates for all servers shown. These are indicated by yellow certificate icons in the diagram. An additional web server in the DMZ, with an external ArcGIS web adaptor, will also be configured to use these protocols.

Mobile Deployment: The architecture will allow the deployment of mobile apps that can be utilized by field workers outside the fire wall. Secure feature services can be added as items in ArcGIS Online with stored credentials. This allows capabilities such as real-time update of enterprise data layers with edits made in the field, or access to internal data and documents from the field.





It is recommended that the City adopt a mobile strategy for deploying apps for field workers. Esri mobile apps are available on a variety of platforms. Since most users use iOS or Android, the City may choose to standardize on one of the two. Both platforms are on par with each other as far as GIS apps are concerned and a final mobile platform decision should be made at the City's discretion and in consideration of current IT policies.

Other recommended features include:

Enterprise GIS Monitoring: Monitoring enterprise systems is an industry best practice. In the IT world, all kinds of performance monitors are deployed to ensure the infrastructure and technology stack is running smoothly. It is recommended the City incorporate Enterprise GIS monitoring as part of their administrative workflows, and setup notifications that allow them to quickly respond to service downtimes. Enterprise GIS monitoring software is available from both Esri and third party vendors⁶. The monitoring system (not shown in the architecture diagram) consumes low resources and can be installed on any existing IIS based web server within the City's infrastructure.

It is recommended that an architecture review be performed in Year 4 of the strategic plan to assess any needs such as potential expansion of the system to ensure it continues to perform optimally and is capable of handling any additional load and usage.

GIS Integrations

IT-C. Perform GIS Integrations

Priority: Varies

Integrating the GIS with other business systems provides very high value to any Enterprise GIS Implementation because it reduces data maintenance and processing time, and automates workflows saving staff time and effort, and saving costs for the City. Various systems for integration were listed on Page 24. The following provides details on suggested implementation patterns.

GIS Integration with CAD Dispatch System

It is recommended that the City establish a workflow where, GIS basemap updates (parcels, addresses, and roads) are converted to CAD System format at a regular schedule (e.g. Weekly). A scheduled sync process should then be established so CAD and GIS data are in sync with an output (e.g. email) that reports success or failure with issues to Police staff and the GIS resource. In addition to basemap data, Police Department specific datasets (see Data Needs table) may also be sent at this time. The CAD System may require additional information such as commonplace names. This data must be ready prior to establishing this workflow. An important part of the workflow is for PD to send feedback and source layer changes back to GIS in a timely manner. For e.g., if Response Areas boundaries change or if an officer visits a location and finds

⁶ Disclaimer – VESTRA actively markets and sells a product called GeoSystems Monitor that fills the enterprise GIS monitoring need in the industry.





discrepancies in the GIS data (wrong address, misspelled street name, missing business, etc.), this information must be reported back so GIS is corrected. The process is illustrated below.



FIGURE 8: ILLUSTRATION OF GIS INTEGRATION WITH CAD DISPATCH SYSTEM

GIS Integration with New World

It is recommended that once the GIS system has been implemented, the City either establish workflows that sync data between New World and GIS at the RDBMS level, or leverage API's of both GIS and New World systems to tie data and functionality together to meet end user needs. If leveraging API's, most of the effort is anticipated to be performed during individual app deployment projects (e.g. Planning Department Viewer) in Section III.

The primary pieces of information from New World that can be tied to GIS include: parcel information, addresses, permit information, business licenses, and code enforcement cases.

GIS Integration with OnBase

It is recommended that once the GIS system has been implemented, the City either establish workflows that sync data between OnBase and GIS at the RDBMS level, or leverage API's of both systems to tie data and functionality together to meet end user needs. If leveraging API's, most of the effort is anticipated to be performed during individual app deployment projects (e.g. Planning Department Viewer) in Section III.

One of the most important things for the success of this integration is for the City to be highly consistent with their records retention policies and document scanning workflows.





Primary documents that will need to be made available in the OnBase system to be tied to GIS features include but are not limited to:

- As-Builts
- Record Drawings
- Improvement Drawings
- Development Plans and Building Layouts
- Permits
- Inspections (code enforcement, maintenance, etc.)
- Pre-fire Plans
- Other documents, plans, reports, and exhibits (e.g. Land Use Documents, Specific Plans, etc.)

GIS Integration with Mobile MMS

It is recommended that once the GIS system has been implemented, the City either establish workflows that sync data between Mobile MMS and GIS, or leverage API's of both systems to tie data and functionality together to meet end user needs. If leveraging API's, most of the effort is anticipated to be performed during individual app deployment projects (e.g. Municipal Services Viewer) in Section III.

Most of the integration is anticipated to draw information out of Mobile MMS and display it in GIS applications that have other authoritative City data available on them. This is useful for project planning, budgeting, collaboration and performance management.

GIS Integration with CCTV System

It is recommended that once the GIS system has been implemented, the City either establish workflows that sync data between the new CCTV System and GIS, or leverage API's of both systems to tie data and functionality together to meet end user needs. If leveraging API's, most of the effort is anticipated to be performed during individual app deployment projects (e.g. Municipal Services Viewer) in Section III.

GIS Integration with Park Reservations

It is recommended that once the GIS system has been implemented, the City either establish workflows that sync data between the Parks Reservation System and GIS, or leverage API's of both systems to tie data and functionality together to meet end user needs.

With this integration, users will be able to use an intuitive map based interface to understand ongoing events or available facilities for rent, which greatly enhances how data is presented and shared on the City's website.





GIS Integration with AVL System

AVL systems are valuable for optimizing utilization of fleet vehicles, and reducing fuel, labor and capital costs. Some of the advantages include: reduced vehicle maintenance costs, accuracy in monitoring and scheduling, reduced need for manual data entry and supervisor time, improved communications between drivers and supervisors, and many more. Implementing AVL systems for transit, garbage pickup, street sweeping, etc., can improve the overall image of the City. With the proposed GIS system as part of this Strategic Plan, integrating the GIS with the AVL can further increase the effectiveness of the AVL system by providing supervisors a real-time map based interface of current fleet vehicle locations.

It is therefore recommended that the City deploy GIS viewer(s) for AVL purposes that is accessible to designated fleet supervisors within the Engineering department.

Preliminary requirements include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - Integration with AVL systems that allows viewing real-time locations of fleet vehicles such as street sweepers, garbage pickup trucks, transit vehicles, etc.
 - View various AVL metrics such as route times, stop intervals, plow activity, etc.
- Ability to print and share notes

The following figure shows an example of an interactive GIS based web application with AVL integration.

FIGURE 9: EXAMPLE INTERACTIVE GIS BASED WEB APPLICATION WITH AVL INTEGRATION







GIS Integration with Zoll RMS

Turlock Fire Department is implementing Zoll RMS to streamline and track routine inspections. Currently this process is manual and time consuming. Inspection addresses are provided by Planning out of New World and once inspections are complete, the information is sent to business licensing for their record keeping. With implementation of newer technology such as Zoll, only the inspection portion will become more streamlined. GIS can be used to fully streamline the workflow and improve overall efficiency that saves staff time and effort.

It is therefore recommended that the City establish a standard workflow that integrates Zoll, New World and GIS. In this workflow, inspection addresses are sent out of New World and provided as an input into Zoll. Zoll is used to schedule, manage, and track inspections. The list of addresses is also made available in a GIS viewer accessible to TFD and business licensing. Integration between Zoll and GIS allows inspection updates to be viewable in GIS by business licensing to allow staff to proceed with their portion of the workflow. A nightly sync process should then be established to ensure Zoll updates and GIS are in sync with an output (e.g. email) that reports success or failure with issues to TFD and Business License staff, along with a GIS resource. The process is illustrated below.





Technology Conclusion

The current legacy GIS system at the City is no longer a viable option and is not capable of meeting the City's growing GIS demands. With the above software and technology recommendations, the City will be able to build a modern GIS system that will not only meet current needs but is scalable for future growth. The architecture supports processes that provide authoritative data for end users, allows integrations with other business systems, enables publishing secure and public facing apps that provide a convenient and easy way to search, view, and analyze GIS information, with minimal time and effort spent.





Data and Workflows

Overview

GIS data is core to an Enterprise GIS. Without good GIS data, any investment in an Enterprise GIS System is guaranteed to be ineffective. It is equally important to have workflows for regular maintenance of that data. The City's GIS information was assessed in the areas of a) GIS Datasets, and b) Workflows.

The primary and most urgent issues and gaps for Data and Workflows are summarized below followed by details of the assessment. This is then followed by recommendations aimed at addressing the issues, needs, and gaps identified.

Key Issues and Gaps related to Data and Workflows include:

- Existing GIS data in general is outdated
- A central GIS database is needed that holds authoritative data
- There is a significant lag in basemap updates in the GIS (e.g. parcels, addresses, etc.), which needs to be streamlined and expedited
- A general workflow standard needs to be established for maintenance of GIS information

GIS Datasets

The City has a collection of approximately 100 datasets in shapefile format and within SQL server that together can be considered to be the City's central GIS database. Core basemap datasets (parcels, streets, and addresses) have standard update processes via FME routines.

The current GIS system also relies on shapefiles for the underlying GIS data. Shapefiles are a legacy GIS data format with limited capabilities. The City will need to move toward a modern GIS storage format such as file geodatabases that allow advanced analytical functions. Standard data maintenance workflows must be created that include automation and scheduled updates that reduce human input and keep data updated and accurate in a timely manner.

In short, the replacement of the GIS system as being proposed in this strategic plan will mean replacing the current central database and re-designing update processes.

Workflows

A common complaint about the GIS is that it usually has out of date data and updates are seen two or three months later. The New World system currently has better address and parcel attribute information compared to GIS. Basemap GIS edits are done by a contractor but there is no set schedule or standard process to have these updates made in a timely manner.

For parcel / basemap updates in the GIS, once final drawings are approved, Engineering updates a spreadsheet with recorded map information. Planning logs this information in New World. When there is enough backlog of edits to be made (and here is where there is an issue with GIS





updates), the edits are sent to Cal CAD, the City's GIS contractor, to make changes to the GIS. It can sometimes be months before Cal CAD is contacted for the updates which results in an outdated GIS. The process is illustrated below.



Similarly, for addresses, new addresses are assigned during the tentative map process within New World and are eventually updated in the GIS viewer, after undergoing a similar process as illustrated above. Sometimes, there may be a significant lag in getting basemap updates made to the GIS viewer because there is no standard process with a designated data steward that is in charge of the coordination and communication.

Recommendations

The following table summarizes recommendations related to Data and Workflows that include guidance on priority data updates over 5 years and standard data maintenance workflows that streamline data updates (using automated and manual processes) to improve overall accuracy and efficiency of GIS data. Each of the recommendations is elaborated with more details further below.

#	Recommendation	Priority Rank
DA-A	Create Authoritative GIS Datasets	Varies
DA-B	Establish Standard Basemap Layer Update Workflows	Very High
DA-C	Establish Standard Operational Layer Update Workflows	Varies

TABLE 13: SUMMARY OF RECOMMENDATIONS RELATED TO DATA AND WORKFLOWS

Datasets

One of the key issues related to GIS at the City is the lack of updated data. The GIS viewer does not have all the layers staff need and the ones that it does show are often outdated. To mitigate this issue, the City needs to embark on multiple data update projects that; a) updates existing datasets to the required level of accuracy, completeness and being current, and b) creates new datasets that departments desire to have.

Based on the needs assessment, a comprehensive master list of GIS datasets needed at the City has been collected and is presented in the table below. The list has also been organized by





priority based on feedback received. The implementation timeline includes projects for developing these datasets over the next 5 years.

The columns in this table and their value definitions are as follows:

- Dataset Name: Existing or proposed dataset for update or development
- **Data Steward**: Suggested department in charge of communicating source data changes to a GIS resource for updating the GIS data
- **Priority**:
 - Very High Schedule for updates in Strategic Plan Year 1
 - High Schedule for updates in Strategic Plan Year 2
 - Medium Schedule for updates in Strategic Plan Year 3
 - Low Schedule for updates in Strategic Plan Year 4
 - Very Low Schedule for updates in Strategic Plan Year 5
- Notes: Comments on status and condition. A "Does not exist", only implies that the data does not exist in GIS format. It may exist in other formats and require conversion to GIS format so it can be viewed on a map and be used for spatial analysis.

Dataset Name	Data Steward	Priority	Notes
Retention Basins	Municipal Services	Very High	Needs updates
Sewer Main (incl. size and material)	Municipal Services	Very High	Needs updates
Sewer Manhole	Municipal Services	Very High	Needs updates
Sewer Pump	Municipal Services	Very High	Needs updates
Storm Control Valve	Municipal Services	Very High	Does not exist. Needs to be created
Storm Detention	Municipal Services	Very High	Does not exist. Needs to be created
Storm Discharge Point	Municipal Services	Very High	Does not exist. Needs to be created
Storm Drain Catch Basins	Municipal Services	Very High	Needs updates
Storm Manhole	Municipal Services	Very High	Needs updates
Storm Water Tributary Areas	Municipal Services	Very High	Does not exist. Needs to be created
TID Canals	Municipal Services	Very High	Does not exist. Needs to be created
Water Backflow Devices	Municipal Services	Very High	Does not exist. Needs to be created
Water Meter	Municipal Services	Very High	Does not exist. Needs to be created
Water System Blow-Offs	Municipal Services	Very High	Needs updates
Well Site	Municipal Services	Very High	Needs updates

TABLE 14: COMPREHENSIVE MASTER LIST OF GIS DATASETS





Dataset Name	Data Steward	Priority	Notes
Homelessness (Inventory - Sightings,	Neighborhood	Very High	Does not exist.
Health Facilities, Shelters)	Services		Needs to be created
HistoricalAVLData	Police	Very High	Does not exist.
			Needs to be created
PerformanceIndicators (Public	Police	Very High	Does not exist.
Safety)	ר 1'	X7 TT' 1	Needs to be created
PoliceBeats	Police	Very High	Does not exist. Needs to be created
ResponseAreas	Police	Very High	Does not exist.
			Needs to be created
MeasureLRoads	Engineering	Very High	Needs updates
Current and Past Project Locations	CIP	High	Does not exist.
with Project Numbers			Needs to be created
Investable Properties	Economic	High	Does not exist,
	Development		needs to be created
Public Benefit Improvement District	Planning	High	Does not exist,
			needs to be created
SB2 District Overlay	Planning	High	Does not exist,
		TT' 1	needs to be created
CIPProjects	Engineering	High	Does not exist.
Construction Activity	Enginopring	Lich	Needs to be created Does not exist.
ConstructionActivity	Engineering	High	Needs to be created
CurrentProjects	Engineering	High	Does not exist.
	Lingineering	Ingn	Needs to be created
EncroachmentPermits	Engineering	High	Does not exist.
	0 0 0	6	Needs to be created
GradingPermits	Engineering	High	Does not exist.
			Needs to be created
InfrastructureProjects	Engineering	High	Does not exist.
			Needs to be created
PavementMoratoriums	Engineering	High	Does not exist.
			Needs to be created
PlannedProjects	Engineering	High	Does not exist.
	Engineening	TI: -1	Needs to be created
ProjectBoundaries (linked to plans	Engineering	High	Does not exist. Needs to be created
or drawings) PailroadCrossings	Engineering	High	Does not exist.
RailroadCrossings	Engineering	High	Needs to be created
ROWPermits	Engineering	High	Does not exist.
	Lingineering	Ingli	Needs to be created
ExternalAgencyProjects	External Agency	High	Does not exist.
			Needs to be created





Dataset Name	Data Steward	Priority	Notes
BusinessLicenses	Finance	High	Does not exist. Needs to be created
Detailed Pre-Incident Facility Maps	Fire	High	Needs updates
Facility Assets	Fire	High	Needs updates
Facility Entry/Exits	Fire	High	Does not exist, needs to be created
CensusTracts	GIS/IT	High	Does not exist. Needs to be created
CouncilDistricts	GIS/IT	High	Does not exist. Needs to be created
DemographicData	GIS/IT	High	Does not exist. Needs to be created
Fire Hydrants	Municipal Services	High	Needs updates
Sewer Clean Out	Municipal Services	High	Needs updates
Sewer Manhole Inverts	Municipal Services	High	Does not exist. Needs to be created
Storm Drain Manhole Inverts	Municipal Services	High	Does not exist. Needs to be created
Storm Inlet	Municipal Services	High	Does not exist. Needs to be created
Storm Open Drain	Municipal Services	High	Does not exist. Needs to be created
Storm Pipe (incl. size and material)	Municipal Services	High	Needs updates
Water Lateral Line (incl. size)	Municipal Services	High	Does not exist. Needs to be created
Annexations	Planning	High	Needs updates
AssessmentDistricts	Planning	High	Needs updates
CFD	Planning	High	Needs updates
DevelopmentSites	Planning	High	Does not exist. Needs to be created
General Plan Land Use (Proposed)	Planning	High	To be provided by General Plan Consultant
LandUseCurrent	Planning	High	Needs updates
Address locations of parolees	Police	High	Does not exist. Needs to be created
Address locations of probationers	Police	High	Does not exist. Needs to be created
Address locations of sex offenders	Police	High	Does not exist. Needs to be created
FrequentCalls	Police	High	Does not exist. Needs to be created





Dataset Name	Data Steward	Priority	Notes
HotSpots	Police	High	Does not exist. Needs to be created
TacticalOperationPlans	Police	High	Does not exist. Needs to be created
RoadClosures	Traffic	High	Does not exist. Needs to be created
TrafficCrashes	Traffic	High	Does not exist. Needs to be created
TripPlanning	Transit	High	Does not exist. Needs to be created
BusRoutes	Transit	High	Needs updates
BusSchedule	Transit	High	Needs updates
BusStops	Transit	High	Needs updates
GTFS Feed Data to GIS	Transit	High	Does not exist. Needs to be created
TransitProjects	Transit	High	Does not exist. Needs to be created
TruckRoute	Transit	High	Does not exist. Needs to be created
ParkRecreationFacilities	Parks and Rec	High	Does not exist. Needs to be created
ParkAmenities	Parks and Rec	High	Does not exist. Needs to be created
Trails	Parks and Rec	High	Does not exist. Needs to be created
Trees	Parks and Rec	High	Does not exist. Needs to be created
ParkMaintenanceHistory	Parks and Rec	High	Does not exist. Needs to be created
Backflows	Parks and Rec	High	Does not exist. Needs to be created
Controllers	Parks and Rec	High	Does not exist. Needs to be created
ParkBoundary	Parks and Rec	High	Does not exist. Needs to be created
Building Details (hvac, alarm, AED, Fire Ext, etc)	Parks and Rec	High	Does not exist. Needs to be created
ADA Transition Plan DATA	Engineering	Medium	Does not exist. Needs to be created
Antennas in ROW	Engineering	Medium	Does not exist. Needs to be created
Development Status	Engineering	Medium	Does not exist.





Dataset Name	Data Steward	Priority	Notes
			Needs to be created
ElevationPt	Engineering	Medium	Does not exist. Needs to be created
RoadFunctionalClass	Engineering	Medium	Does not exist. Needs to be created
StreetSpeedLimit	Engineering	Medium	Does not exist. Needs to be created
SubdivisionBoundaries	Engineering	Medium	Does not exist. Needs to be created
Overhead Powerlines/Utilities	External Agency	Medium	Does not exist. Needs to be created
Firewall Ratings	Fire	Medium	Does not exist, needs to be created
Risers	Fire	Medium	Does not exist, needs to be created
Sprinkler System Connections	Fire	Medium	Does not exist, needs to be created
Target Hazards	Fire	Medium	Does not exist, needs to be created
Census Data	GIS/IT	Medium	Needs updates
CensusBlocks	GIS/IT	Medium	Needs updates
Wetlands	GIS/IT	Medium	Does not exist. Needs to be created
GarbageCollectionRoutes/Schedule	Municipal Services	Medium	Does not exist. Needs to be created
LeafPickup	Municipal Services	Medium	Does not exist. Needs to be created
Sewer Discharge Point	Municipal Services	Medium	Does not exist. Needs to be created
Sewer Lateral Line	Municipal Services	Medium	Needs updates
ssAbandonedLine	Municipal Services	Medium	Does not exist. Needs to be created
ssBend	Municipal Services	Medium	Does not exist. Needs to be created
ssCleanOut	Municipal Services	Medium	Needs updates
ssControlValve	Municipal Services	Medium	Does not exist. Needs to be created
ssDetention	Municipal Services	Medium	Does not exist. Needs to be created
ssDischargePoint	Municipal Services	Medium	Does not exist. Needs to be created
ssInlet	Municipal Services	Medium	Does not exist.





Dataset Name	Data Steward	Priority	Notes
			Needs to be created
ssLateralLine	Municipal Services	Medium	Needs updates
ssManhole	Municipal Services	Medium	Needs updates
ssPressurizedMain	Municipal Services	Medium	Needs updates
ssPump	Municipal Services	Medium	Needs updates
ssServiceConnection	Municipal Services	Medium	Does not exist. Needs to be created
ssSystemValve	Municipal Services	Medium	Does not exist. Needs to be created
ssValveOperator	Municipal Services	Medium	Does not exist. Needs to be created
StreetSweepingRoutes/Schedule	Municipal Services	Medium	Does not exist. Needs to be created
swAbandonedLine	Municipal Services	Medium	Does not exist. Needs to be created
swCasing	Municipal Services	Medium	Does not exist. Needs to be created
swCleanOut	Municipal Services	Medium	Does not exist. Needs to be created
swControlValve	Municipal Services	Medium	Does not exist. Needs to be created
swCulvert	Municipal Services	Medium	Does not exist. Needs to be created
swDetention	Municipal Services	Medium	Does not exist. Needs to be created
swDischargePoint	Municipal Services	Medium	Does not exist. Needs to be created
swInlet	Municipal Services	Medium	Does not exist. Needs to be created
swManhole	Municipal Services	Medium	Needs updates
swPressurePipe	Municipal Services	Medium	Needs updates
swRetention	Municipal Services	Medium	Needs updates
swSystemValve	Municipal Services	Medium	Does not exist. Needs to be created
Utility Infrastructure	Municipal Services	Medium	Needs updates
wAbandonedLine	Municipal Services	Medium	Does not exist. Needs to be created
Water Control Valve	Municipal Services	Medium	Needs updates
Water Hydrant	Municipal Services	Medium	Does not exist. Needs to be created
Water Main (incl. size and material)	Municipal Services	Medium	Needs updates





Dataset Name	Data Steward	Priority	Notes
Water Pump	Municipal Services	Medium	Needs updates
Water Sampling Station	Municipal Services	Medium	Does not exist. Needs to be created
Water Service Connection Point	Municipal Services	Medium	Does not exist. Needs to be created
Water System Valve	Municipal Services	Medium	Needs updates
wCasing	Municipal Services	Medium	Does not exist. Needs to be created
wControlValve	Municipal Services	Medium	Needs updates
wCurbStopValve	Municipal Services	Medium	Does not exist. Needs to be created
wHydrant	Municipal Services	Medium	Does not exist. Needs to be created
wLateralLine	Municipal Services	Medium	Does not exist. Needs to be created
wMain	Municipal Services	Medium	Needs updates
wPump	Municipal Services	Medium	Needs updates
wSamplingStation	Municipal Services	Medium	Does not exist. Needs to be created
wServiceConnection	Municipal Services	Medium	Does not exist. Needs to be created
wSystemValve	Municipal Services	Medium	Needs updates
wTestStation	Municipal Services	Medium	Does not exist. Needs to be created
Drug Activity Reporter	Neighborhood Services	Medium	Does not exist. Needs to be created
OpioidIncidents	Neighborhood Services	Medium	Does not exist. Needs to be created
Property Threat Level	Neighborhood Services	Medium	Does not exist, needs to be created
IncentiveZones	Planning	Medium	Does not exist. Needs to be created
OpportunityZones	Planning	Medium	Does not exist. Needs to be created
Predpol Interface Data	Police	Medium	Needs integration with GIS
Crosswalk	Engineering	Medium	Does not exist. Needs to be created
CurbRamp	Engineering	Medium	Does not exist. Needs to be created
Guardrails	Engineering	Medium	Does not exist. Needs to be created





Dataset Name	Data Steward	Priority	Notes
PavementCondition	Engineering	Medium	Does not exist. Needs to be created
Poles	Engineering	Medium	Does not exist. Needs to be created
PublicParking	Engineering	Medium	Does not exist. Needs to be created
Sidewalk	Engineering	Medium	Does not exist. Needs to be created
Signs	Engineering	Medium	Does not exist. Needs to be created
Street lights	Engineering	Medium	Does not exist. Needs to be created
Streetfurniture	Engineering	Medium	Does not exist. Needs to be created
Streetlights	Engineering	Medium	Does not exist. Needs to be created
TrafficCalmingDevices	Traffic	Medium	Does not exist. Needs to be created
TrafficCounts	Traffic	Medium	Needs updates
BikeLane	Traffic	Medium	Does not exist. Needs to be created
BusShelters (incl. Amenities/Furniture)	Transit	Medium	Does not exist. Needs to be created
RegionalTransitRoutes	Transit	Medium	Does not exist. Needs to be created
Median/LandscapedArea	Parks and Rec	Medium	Does not exist. Needs to be created
StreetPavement	Parks and Rec	Medium	Does not exist. Needs to be created
LeafPickup	Parks and Rec	Medium	Does not exist. Needs to be created
Irrigation Clocks	Parks and Rec	Medium	Does not exist. Needs to be created
Water Turn Offs	Parks and Rec	Medium	Does not exist. Needs to be created
Assessment Walls	Parks and Rec	Medium	Does not exist. Needs to be created
Floor Plans for Buildings	Parks and Rec	Medium	Does not exist. Needs to be created
Emergency exits	Parks and Rec	Medium	Does not exist. Needs to be created
Evacuation details	Parks and Rec	Medium	Does not exist. Needs to be created





Dataset Name	Data Steward	Priority	Notes
Roof Access	Parks and Rec	Medium	Does not exist. Needs to be created
Irrigation valves	Parks and Rec	Medium	Does not exist. Needs to be created
Park Restrooms	Parks and Rec	Medium	Does not exist. Needs to be created
PollingLocations	City Clerk	Low	Does not exist. Needs to be created
VotingPrecinct	City Clerk	Low	Does not exist. Needs to be created
Bridges	Engineering	Low	Does not exist. Needs to be created
Contours	Engineering	Low	Does not exist. Needs to be created
ParkingPayStation	Engineering	Low	Does not exist. Needs to be created
Private Roads	Engineering	Low	Does not exist. Needs to be created
Survey Benchmarks	Engineering	Low	Needs updates
Cannabis	GIS/IT	Low	Does not exist. Needs to be created
RoadMaintenanceAgreements	Municipal Services	Low	Does not exist. Needs to be created
ssAbandonedPoint	Municipal Services	Low	Does not exist. Needs to be created
ssCasing	Municipal Services	Low	Does not exist. Needs to be created
ssElevationPt	Municipal Services	Low	Does not exist. Needs to be created
ssOpenDrain	Municipal Services	Low	Does not exist. Needs to be created
ssTap	Municipal Services	Low	Does not exist. Needs to be created
ssTestStation	Municipal Services	Low	Does not exist. Needs to be created
ssVault	Municipal Services	Low	Does not exist. Needs to be created
swAbandonedPoint	Municipal Services	Low	Does not exist. Needs to be created
swElevationPt	Municipal Services	Low	Does not exist. Needs to be created
swFitting	Municipal Services	Low	Does not exist. Needs to be created





Dataset Name	Data Steward	Priority	Notes
swOpenDrain	Municipal Services	Low	Does not exist. Needs to be created
swWeirStructure	Municipal Services	Low	Does not exist. Needs to be created
wAbandonedPoint	Municipal Services	Low	Does not exist. Needs to be created
wConstructionLine	Municipal Services	Low	Does not exist. Needs to be created
wElevationPt	Municipal Services	Low	Does not exist. Needs to be created
wFitting	Municipal Services	Low	Does not exist. Needs to be created
wOperationalArea	Municipal Services	Low	Does not exist. Needs to be created
wPressureZone	Municipal Services	Low	Does not exist. Needs to be created
wStructure	Municipal Services	Low	Does not exist. Needs to be created
Dead End Barriers	Traffic	Low	Does not exist. Needs to be created
TrafficCamera	Traffic	Low	Does not exist. Needs to be created
Traffic Delays	Traffic or External Service	Low	Does not exist. Needs to be created
BusRidership (Route Level)	Transit	Low	Does not exist. Needs to be created
BusRidership (Stop Level)	Transit	Low	Does not exist. Needs to be created
BusShelterMaintenance	Transit	Low	Does not exist. Needs to be created
BusShelterMaintenanceHistory	Transit	Low	Does not exist. Needs to be created
Park Events	Parks and Rec	Low	Does not exist. Needs to be created
Painting Stops/Legends	Parks and Rec	Low	Does not exist. Needs to be created
ParkingPayStation	Parks and Rec	Low	Does not exist. Needs to be created
FloodZones	Engineering	Very Low	Does not exist. Needs to be created
ssFitting	Municipal Services	Very Low	Does not exist. Needs to be created
ssNetworkStructure	Municipal Services	Very Low	Does not exist.





Dataset Name	Data Steward	Priority	Notes
			Needs to be created
ssVirtualDrainline	Municipal Services	Very Low	Does not exist. Needs to be created
swNetworkStructure	Municipal Services	Very Low	Does not exist. Needs to be created
swVirtualDrainline	Municipal Services	Very Low	Does not exist. Needs to be created
wNetworkStructure	Municipal Services	Very Low	Does not exist. Needs to be created
PavementMarkings	Engineering	Very Low	Does not exist. Needs to be created

Note: While the priority noted in the table is based on initial department feedback, the City may need to make adjustments based on department specific app and solution deployment priorities included in Section III. These departmental app and solution priorities should take prominence when determining final dataset update priority so that all required data is available when deploying the various maps and apps.

Before beginning on updating or creating a dataset in the table above, some specific data related requirements should be gathered by meeting with the data stewards in the various departments. These include:

- GIS layer schemas must be designed and finalized as authoritative models. It is recommended that schema design is done using the Esri Local Government Information Model⁷ (LGIM) as a base, but incorporating critical fields and attributes unique to the department's needs. The advantage of the LGIM is that it helps organize the City's GIS information and deploy many of Esri's web and mobile solutions relatively easily and quickly.
- Any non-spatial data (e.g. data in excel spreadsheets or access databases), or data not in GIS format (e.g. CAD, pdf, etc.) that should be converted to GIS must be identified.
- Data maintenance workflows must be designed as-needed, including any automated scripts that manipulate GIS data or pull data from other business systems.
- Metadata, portal item descriptions, and GIS web service layer summaries, tag, and descriptions must be defined
- Notification and communication protocols when data updates are made so staff are informed, must be defined

The following tasks outline a high level process the City can perform to update prioritized GIS data layers.

⁷ <u>http://solutions.arcgis.com/local-government/help/local-government-information-model/</u>





 TABLE 15: HIGH LEVEL PROCESS FOR UPDATING PRIORITIZED GIS DATA LAYERS

Task	Description
1	Setup individual meetings with data stewards to discuss condition of layers pertinent to
	them and gather data layer update needs
2	Design schema and convert to LGIM, as needed
3	Design and document the data maintenance workflows including data edit methods, any automated scripts, pattern of data and information flow between departments, communication policies, data ownership review, and roles and responsibilities, as-needed.
4	Update layers per requirements gathered, including metadata and portal item descriptions
5	Notify data owners of updates made
6	Use any standard data maintenance processes established and continue to maintain data
6	Use any standard data maintenance processes established and continue to maintain data

Workflows

DA-B. Establish Standard Basemap Layer Publishing Workflows

Priority: Very High

With the implementation of a new and modern GIS system, any existing basemap data update workflows will need to be entirely re-designed. Basemap data primarily includes parcels, addresses, and streets which are core datasets for almost all GIS based City workflows. At the City, the one-time effort to bring these datasets up to date is relatively low due to existing update processes already in place, even if they were not done on a regular basis. The more important need for these datasets is the re-designing of the maintenance workflows that keep them updated and reliably current in the future. The following is a discussion on standard workflows that are recommended to be established for parcels, addresses, and streets.

Parcel Basemap Update Workflow

Parcels are a core and critical dataset for the City. Numerous City business processes depend on accurate and updated parcel data.

It is recommended that the City establish a workflow where, once final drawings are approved, updated parcel line information including any reference drawings and documents are provided to a GIS resource that will update GIS parcel information, immediately. A nightly sync process should then be established to ensure New World and GIS parcels are in sync with an output (e.g. email) that reports success or failure with issues to Planning staff and the GIS resource. The outcome of this workflow is updated and reliable parcel information (lot lines and property information) available for City staff in a timely manner and reduced lag.

A script or set of scripts that perform the below, may need to be created

- Combine and merge parcel geometry provided by the County with assessor tax and property information from the County or a vendor.
- Detect changes to geometry and attributes in newer versions of the data. The script can





be made to detect parcel splits and/or merges in feature geometry, as well as checking for attribute changes made since the last County GIS data was received. Most importantly, this will check APN values for any changes, as well as other relevant attribute information. The tool can be made to output a log file and feature class containing added, split, merged or otherwise changed parcels, as well as a log file outlining any attribute changes. The output feature class will allow GIS staff to zoom directly to changed parcels to make edits.

- (Once edits are made per logs) enhance the data by automatically tagging parcels with information from other systems such as a document management system. This allows tagging parcels with agreements, traffic studies, mitigation requirements, etc.
- Prepare the parcel data for integration with other business systems such as ERP, CMMS, etc. This may require creating versions of the parcel data that are exported for consumptions by other systems or may include automated publishing of the updated parcel service that are consumed via API's of other systems.

The following tasks outline a high level process the City to setup a standardized parcel maintenance workflow.

TABLE 16: HIGH LEVEL PROCESS FOR SETTING UP A STANDARDIZED PARCEL MAINTENANCE WORKFLOW

	W OKKELOW			
Task	Description			
1.	Determine requirements for parcel updates.			
2.	Design and document the entire workflow including data edit methods, any automated scripts, pattern of data and information flow between departments, communication policies, data ownership review, and roles and responsibilities			
3.	Create automation scripts per requirements and setup integration with other business systems			
4.	Implement standard maintenance workflow for parcels			
5.	Test and deploy			

Address Management Workflow (includes Streets)

Addresses are one of the core and critical datasets in a City. They have multiple uses by almost all City departments. They are crucial for emergency response and public safety purposes. The City's GIS address database must be authoritative and well supported by a standardized workflow that helps keep the data consistent and up-to-date.

It is recommended that the City establish a workflow where, once new/changed addresses are entered into New World, the updated address information including any tentative maps or site plans is provided to a GIS resource that will enter/update the spatial location of the addresses in





GIS. A nightly sync process should then be established to ensure New World and GIS addresses are in sync with an output (e.g. email) that reports success or failure with issues to Planning staff and the GIS resource. The process is illustrated below.



FIGURE 12: ILLUSTRATION OF ADDRESS MANAGEMENT WORKFLOW PROCESS

It is recommended the City adopt the NENA/NG9-1-1 schema for the GIS version of the address database to prepare itself for upcoming FCC regulations⁸. It is also recommended the City review Esri's LGIM and adopt any fields that might be useful to maintain for its needs going forward. This will provide the City a solid schema that is both NENA compliant and is also one that is familiar in the industry. The design must accommodate any "pseudo addresses"- addresses that are not official and temporarily/arbitrarily assigned for the sake of asset maintenance or code enforcement, as well as including unit level addresses in multi-unit complexes.

It is recommended the City adopt and implement Esri's address data management solution for editing master GIS address points. The advantage of implementing this solution is that it combines the maintenance of street centerlines, landmark points and polygons, and a master street name table of official street names in the City in one solution. This streamlines the maintenance of several datasets, all at once. It is recommended the City understand this solution, gather requirements, and implement maintenance of master address and related datasets, accordingly. The process should include updating street centerline address ranges to reflect any changes in address points.

The following tasks outline a high level process the City can perform to create a Master GIS Address Database.

⁸ <u>http://www.nena.org/?NG911_Project</u>





TABLE 17: HIGH LEVEL PROCESS FOR CREATING A MASTER GIS ADDRESS DATABASE

Task	Description
1	Create a new schema for address points based on NENA/NG9-1-1 schema standards and
	LGIM
2	Extract latest address points data and perform field mapping and data conversion to new
	schema using FME or ETL python scripts/models.
3	Edit and move address points to proper locations within buildings. Also, adopt any other
	NENA/NG9-1-1 address point placement guidelines as deemed fit for the City.
4	Publish master address point service for internal use in viewers
6	Gather requirements from other business systems such as Permitting, CMMS, ERP, etc.,
	and perform GIS integrations of the master address database with these systems.
	Preference should be given for integrating via REST services, if those systems have such
	capability. Otherwise, a scripted workflow must be used.
7	Publish version of address points for external data sharing to Open Data Portal
8	Adopt Esri Address Data Management ⁹ solution as the standard address maintenance
	workflow in the City, for continued future maintenance of addresses, streets, and related
	datasets.

DA-C. Establish Standard Operational Layer Update	Priority: Varies
Workflows	

For datasets that are not parcels, roads, or addresses; standard maintenance and publishing processes must be established as much as possible. Not all datasets will need a standard process since some can be fairly static (e.g. waterbodies, park boundaries, council districts, police beats, etc.). But for layers that are deemed "active" and updated on a regular basis (e.g. utility assets, street maintenance, project assets, etc.), a standardized process will save staff time and effort in data maintenance.

The figure below illustrates a standardized data maintenance and publishing workflow for active layers, with associated policies.

⁹ http://solutions.arcgis.com/local-government/help/address-management/





FIGURE 13: ILLUSTRATION OF STANDARDIZED DATA MAINTENANCE AND PUBLISHING WORKFLOW



Some of the key features of standard data maintenance and publishing workflows the City will need to establish (along with policies), include:

- Editing and QA/QC: Proper editing and QA/QC processes must be established to ensure data integrity and accuracy
- Automation and/or GIS Integrations: Automation or GIS integrations with other systems can occur via scheduled scripts or via SDK's or API's. Typical areas where automation comes into play include:
 - Updating datasets with latest changes
 - Syncing changes between two sources
 - o Automated service publishing to portals
 - Custom reporting or data export
 - Importing data from other sources into standard City schemas
 - Combining GIS data with other business system information
 - o Linking digital documents with GIS features
 - Data integrity checks
- **Communication Protocols**: It is recommended that all GIS data layer or feature service update requests be made via the GIS Help Desk (see Page 19) or at least via emails to GIS staff. If the request is sent through email, a GIS Help Desk service request entry should be added by the GIS staff member. Once data editing is complete and the production database is updated with changes, and once GIS staff close the GIS service request, it is recommended that the process include sending a task completion notification to the requestor and include any comments on the nature of the changes, when changes will appear in apps, or any other necessary information. Requesters must promptly provide feedback to GIS staff or approve changes within a set time limit which must be established, so as to not prolong the task. If the dataset that has been updated is a commonly used citywide dataset, a notification mentioning the update should be sent to all stakeholders within the City.





• **Metadata:** All data layers and services must include good metadata, summaries, descriptions, and tags, as a policy. These are highly useful for data discovery by end users and ideally must include information such as last update, update frequency and departmental point of contacts.

The following tasks outline a high level process the City can perform to Implement Standardized Data Maintenance and Publishing Workflows

 TABLE 18: HIGH LEVEL PROCESS FOR IMPLEMENTATION STANDARDIZED DATA MAINTENANCE AND

 PUBLISHING WORKFLOWS

Task	Description
1.	As datasets are updated using the GIS Master Data List table, design and document the
	entire workflow including data edit methods, any automated scripts, pattern of data and
	information flow between departments, communication policies, data ownership review,
	and roles and responsibilities, as-needed.
2.	Setup the GIS Help Desk to receive GIS requests
3.	Have the data owners make a GIS service request with enough details explaining changes
	needed, and ensure GIS staff receives a notification with these details.
4.	Edit the feature classes, as needed
5.	Create any scripts or models to automate the process of updating data. Setup the script to
	run on a pre-determined schedule if necessary.
6.	Update metadata or portal item descriptions as necessary
7.	Mark the GIS service request as complete, and ensure data owners receive the
	notification with details on what was done and any comments.
8.	Test the process and deploy

Data and Workflows Conclusion

With a robust set of authoritative datasets and standard maintenance workflows, the City will be poised to elevate the kind of service they provide to internal as well as external clients. This increases overall efficiency by reducing time and effort and helping remain focused on business priorities.




Maps and Apps

Overview

The City has been following a traditional pattern where GIS is mainly considered to be a single GIS application (aka the City's MapGuide Viewer) that displays a broad list of GIS datasets for a wide range of departments to access. From user interviews, it is evident that this application is challenging and overwhelming to use because not only is it based on legacy technology, but it also tries to do too many things for too many kinds of users with a variety of needs and therefore, is not effectively being utilized by the majority of users.

The paradigm in modern GIS systems is a combination of general purpose, cross-functional GIS viewers that are balanced in the information displayed as well as provision of lighter weight but focused and business specific. These GIS viewers help get the job done via simpler and intuitive interfaces.

The primary and most urgent issues and gaps for maps and apps are summarized below. This is then followed by mapping application recommendations aimed at addressing the issues, needs, and gaps identified.

Key Issues and Gaps:

- Legacy GIS Viewer that is outdated
- Single GIS Viewer model that cannot meet every need of every department
- Lack of GIS based information sharing with the public

Recommendations

The following table summarizes recommendations related to maps and apps that include guidance on deploying a collection of solutions that meet a variety of needs. Each of the recommendations is elaborated with more details further below.

#	Recommendation	Priority Rank
MA-A	Deploy Internal GIS Viewer	Very High
MA-B	Deploy Public Maps and Apps	High
MA-C	Deploy Open Data Portal	Medium
MA-D	Deploy Department Focused Maps and Apps	Varies

TABLE 19: SUMMARY	OF	RECOMMENDATIONS	RELATED	то	MAPS	AND	APPS
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Internal GIS Viewer

MA-A.Deploy Internal GIS Viewer Priority: Very Hig
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It is recommended the City deploy a "Citywide" Internal GIS Viewer that replaces the current MapGuide viewer with a modern version. This application must be considered as general purpose, multi-use, and cross-functional, displaying common datasets from various departments. This application would serve the general GIS needs of the City showing accurate basemap and operational layer information, search and query capabilities, and integrations with New World,





Mobile MMS and OnBase. This application will be a "general" version that various department specific specialized viewers detailed in Section III will be based on.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - o Common multi-use and cross functional GIS data (see Data Needs table)
 - Data integrated from New World
 - Document links (from Onbase or other)
- Ability to apply queries and filters on datasets (e.g. filter by APN, zoning code, etc.)

The following figure shows an example of an interactive Internal GIS Viewer for the City.



FIGURE 14: EXAMPLE OF AN INTERACTIVE INTERNAL GIS VIEWER

Public Maps and Apps

MA-B. Deploy Public Maps and Apps Priority: High

A frequent and recurring comment from departments during interviews was the need to publish public facing maps and apps to allow better sharing of information with the public. This is highly valuable since not only does this improve the City's quality of service in this area, but also reduces the amount of calls or walk-ins thus allowing staff to focus on their business priorities and improving overall productivity. Separate from department specific public maps, the City should also replace static pdf maps on the City website. With the new GIS platform, the City can make these maps interactive and even more valuable with additional data that can be explored by





the public. The following are recommended public maps that can be considered to be organization-wide apps to be included on the City website¹⁰.

Public GIS Viewer: A public facing GIS web application that will display information that is frequently searched and commonly requested for by the public. This is a public version of the internal GIS viewer mentioned above with any secure or sensitive information removed. This application can also be made available at the City's front counters for walk-in customers to access.

Interactive Monument Ties Map: A GIS web application that will replace the current static Monument Ties Map on the City website. This application will provide public users an interactive and intuitive interface to look up surveyed monuments in the City.



FIGURE 15: INTERACTIVE TIES MAP

Interactive District Boundary Map: A GIS web application that will replace the current static District Boundary Map on the City website. This application will provide public users an interactive and intuitive interface to look up district boundaries in the City.

¹⁰ Department specific public maps and apps are included in Section III





FIGURE 16: INTERACTIVE DISTRICT BOUNDARY MAP



In addition to deploying the above public maps and apps, each of these applications must be made available in the public GIS apps gallery on the City's Open Data Portal which is discussed below.

Open Data Portal

open Data Fortar					
MA-C.Deploy Open Data Portal	Priority: Medium				
It is recommended that the City deploy an Open Data Portal ¹¹ that will act as the central location					
for the community to access; a) a gallery of public facing GIS web applications that display					
frequently searched and commonly requested information, b) City provided Open Data for public					
use, c) key metrics and performance indicators the City would like to share with the community,					
and d) information on progress and status of important Citywide initiatives (e.g. reducing					
homelessness and Measure L) that have been prioritized by the community. With Open Data					
Portal, the City can be more transparent, better collaborate with the public, and position itself as					
a Smart Community ¹² .					

In addition, it is recommended the City establish Open Data Policies that outline data sharing and collaboration guidelines.

The figure below shows an example of an Open Data Portal with links to various pages that include public facing GIS web applications, City dashboard with key indicators, and links to Citywide initiatives, including a search function to find the desired information.

¹¹ <u>https://hub.arcgis.com/pages/open-data</u> ¹² <u>https://www.esri.com/smart-communities</u>





FIGURE 17: EXAMPLE OPEN DATA PORTAL







MA-D.Deploy Department Focused Maps and Apps

Priority: Varies

It is recommended the City deploy a collection of maps and apps that are focused on individual department business processes and specific to unique departmental workflows. This provides a clean separation between general purpose GIS use and focused GIS use. In addition, empowering departments with GIS apps that are specific to their workflows, allows the greatest ROI for the City as it greatly enhances usage of the GIS system.

Please go to Section III for maps and apps recommended to be deployed for each department.

Maps and Apps Conclusion

With the deployment of a mix of GIS applications and solutions that together meet various needs identified at the City, the City will be poised to experience high usage of the GIS system, good ROI and overall benefit from this strategic effort.





SECTION III: GIS AT THE DEPARTMENT LEVEL



Overview

Several departments/divisions were interviewed to understand key issues and gaps faced with regards to GIS. The departments interviewed included:

- Economic Development and Housing
- Planning, Building and Safety
- Development Engineering and CIP
- Transit and Traffic
- Municipal Services
- Police
- Fire and Neighborhood Services
- Parks, Recreation and Public Facilities





Economic Development and Housing

Overview

Economic Development and Housing (EDH) at the City of Turlock is a function of the Office of the Assistant City Manager. This department is in charge of services such as housing rehabilitation, first time home buyer programs, resources for housing and foreclosures, and economic development initiatives and programs within the City to attract new businesses and support existing ones.

The following is a review of needs gathered during discussions with MSD. The primary and most urgent issues and gaps are listed below, followed by an interview summary which provides more details and additional needs identified. The interview summary is followed by project recommendations aimed at addressing the issues, needs, and gaps that were discussed.

Key Issues and Gaps:

- Updated basemap data (parcels, addresses, roads)
- Accurate and up to date data specific to EDH (see Data Needs table), and reference layers from other departments
- Simple to use but robust GIS viewer that is a central location for EDH relevant data
- Ability to analyze data to understand market conditions for better decision making

Interview Summary

The Economic Development and Housing (EDH) department expressed the need for a GIS viewer with a simple interface and pertinent information, and without the hassle of turning too many layers on and off. The current Mapguide viewer is cumbersome to navigate.

Data available to the department via any GIS apps should be pertinent and relevant. All necessary layers needed to answer questions or discuss with customers (e.g. infrastructure, utilities, projects, physical property characteristics, land use planning related, master plan areas, etc.) should be made available in the GIS viewer.

There is interest in being able to showcase investable properties from the Opportunity Zones federal program using Story Maps. However, a primary concern is the amount of maintenance needed in terms of tracking down changes in sales from the County because of the lag in parcel updates from the County. Sometimes, it has been three or four months that a parcel has been sold before it is reflected in the County Parcel data. The division would like any app to show the latest sales data and available property information.

The division expressed the need for being able to show how based on sales tax information, the primary retail market area is a population 300,000 and with household incomes adjusted the cost of living and disposable household income in Turlock rivals some of the East Bay cities. Insights like this can help the City understand market strategies to drive more retail development.





The department is interested in publishing Economic Development and Housing related open data and performance metrics. They consider this information to be valuable to the community.

Updated Census Tract and Census Block information is needed to identify disadvantaged communities that might be eligible for Economic Development Administration funding and to meet Community Development Block Grant (CDBG) Program objectives.

The downtown Public Benefit Improvement District boundaries need to be mapped to help identify areas where special improvements can be made.

An SB2 Overlay District Layer needs to be developed to help with planning related to emergency shelters.

Data Needs

A summary of the datasets identified as needed by this department is provided in the table below.

TABLE 20: SUMMARY OF DATASETS IDENTIFIED AS NEEDED

Dataset Name	Data Steward	Priority	Notes
Investable Properties	Economic	High	Does not exist, needs to be
	Development		created

GIS Application or Solution Needs

A summary of the solutions and applications identified as needed by this department includes:

GIS App or Solution	Priority
GIS Viewer for Economic Development and Housing	High
Investable Properties Story Map	High
Economic Development Open Data and Dashboards	High
Community Strength App	Medium

TABLE 22: SUMMARY OF SOLUTIONS AND APPLICATIONS IDENTIFIED AS NEEDED

Recommendations

The following are recommended projects focused on enhancing EDH workflows using GIS technology. It is recommended that projects follow the methodology described on Page 10.

ED-A. Economic Development Data Updates	Priority: Varies
Availability of good and reliable data is critical for a GIS system. Bet	fore any tools and apps are

developed, the GIS data that these apps will need must be prepared and updated.

The GIS data needs specific to EDH, along with their priority for development is mentioned in the Data Needs table on Page 38. These datasets are anticipated to be created or updated over the course of the implementation timeline of this Strategic Plan. Data development will also include establishment of data maintenance workflows and appropriate metadata information, as standalone tasks or as part of individual projects listed below.





ED-B. Economic Development GIS Viewer

Priority: High

It is recommended that the City deploy a GIS web application specifically geared towards meeting EDH GIS needs. This application will be a specialized version of the Internal GIS Viewer mentioned in Page 51. It will display layers that are pertinent to EDH (see Data Needs table above), along with common basemap data, and reference layers from other departments. This application will be able to consolidate information from various GIS layers in a single view. The goal of this application is to allow EDH users to obtain a majority of the information they are seeking in as few clicks as possible.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - EDH specific GIS data (see Data Needs table)
 - Reference GIS layers from other departments
 - Document links (from Onbase or other)
- Ability to generate reports
- Ability to apply queries and filters on datasets
- Ability to perform spatial analysis (e.g. buffer, summarize, hot spot analysis, near analysis, clip, extract, overlay, etc.)

The following figure shows an example of an interactive GIS based web application for EDH.

FIGURE 18: EXAMPLE INTERACTIVE GIS BASED WEB APPLICATION FOR EDH







ED-C. Investable Properties Story Map

Priority: High

It is recommended that the City deploy a Story Map that shows incentive zones and investable properties within the City. This map can be used by business owners and companies to discover incentives that encourage new businesses, or the expansion of existing businesses, as well as the properties available for investment. This is a good opportunity to transform the static Vacant Land Map¹³ to an interactive version that is based on accurate and updated information from the GIS. This map should also showcase the Turlock Regional Industrial Park along with locations of facilities and amenities. An example¹⁴ is shown below.



FIGURE 19: EXAMPLE INVESTABLE PROPERTIES STORY MAP

ED-D. Community Strength App

Priority: High

It is recommended the City deploy an interactive GIS based Community Strength app that can be used by the general public and businesses to explore key indicators and business characteristics that help them determine if they would like to live, work, or locate a business in the City. This app allows users to choose an address or a location of the map and view various facilities ranging from recreation, education, businesses, industry, health, etc. to make an informed decision about relocating their business or family. This app should be geared toward highlighting the strengths of the City that make it attractive to live and work, such as those mentioned in the Turlock Economic Profile¹⁵ page on the City website. An example¹⁶ is shown below.

¹⁶ http://www.arcgis.com/apps/webappviewer/index.html?id=6913976db0654ab6acc33552a3b6401c



¹³ https://www.cityofturlock.org/doingbusinessinturlock/vacantlandmap/

¹⁴ https://cityofkingston.maps.arcgis.com/apps/MapJournal/index.html?appid=6193c31abcb841b1b98e2c741ba2cc47#

¹⁵ <u>https://www.cityofturlock.org/doingbusinessinturlock/turlockeconomicprofile/</u>



FIGURE 20: EXAMPLE INTERACTIVE GIS BASED COMMUNITY STRENGTH APP



ED-E. Economic Development Open Data and Dashboards Priority: Medium EDH considers the ability to publish Economic Development and Housing related open data and performance metrics as being valuable to the community. This ability will allow the public and various stakeholders to be in tune with the pulse of what is happening in the community and allow the City to collaborate effectively with partners and investors through more transparency and better information sharing. One of the organization level recommendations being made in this Strategic Plan is for the City to publish Open Data and Performance Metrics via Dashboards on a central hub that is accessible via the City's website. This is based on an overall strategy to transform organizational workflows to become more GIS centric, as well as improve government transparency. The advantage of GIS centric workflows is two part; a) Extract maximum value from the City's GIS investment, and b) Leverage the spatial aspect of information the City almost always creates as part of day-to-day activities.

As part of the above, it is recommended EDH publish -

- Economic Development and Housing related Open Datasets (e.g. businesses, opportunity zones, investable properties, etc.) on the proposed Open Data Portal
- Publish dashboard applications that display key performance metrics and economic indicators, to the proposed Open Data Portal (a central hub on the City website that displays status of City initiatives and other publically accessible apps that use GIS data as a source).





The figure below illustrates a dashboard app¹⁷ with performance indicators.

FIGURE 21: EXAMPLE DASHBOARD APP



¹⁷ http://performance-statelocaltryit.hub.arcgis.com/pages/economic-opportunity-and-affordability





Planning, Building and Safety

Overview

The Planning, Building and Safety Divisions are part of the Development Services Department. The Planning Division regulates land use, building/site design in concordance with community policies standards and ordinances. The division processes development applications, reviews planning permits, enforces the city's standards and ordinances, and provides information on the above to the public. The Planning division is one of the heavier users of GIS in the City¹⁸.

The Building and Safety Division is in charge of enforcing the minimum standards to safeguard life, health, property and welfare of the City's residents and the public. The division reviews building codes related to design, construction, quality of materials, use and occupancy, location, and inspects maintenance of all buildings, structures, and certain regulated equipment¹⁹.

Both these divisions were interviewed together. The primary and most urgent issues and gaps are listed below, followed by an interview summary which reports more details and additional needs identified. The interview summary is followed by project recommendations aimed at addressing the issues, needs, and gaps that were discussed.

Key Issues and Gaps:

- GIS needs to be integrated with New World which will provide a convenient all-in-one spot to lookup information from both New World and GIS.
- GIS does not have linkages to scanned documents which would reduce time taken to look up records and documents related to a property.
- Ability to do spatial data analysis and advanced queries (e.g. summary of acres in Zoning in a certain neighborhood)
- There is a significant lag in basemap updates in the GIS (e.g. parcels, addresses, etc.), which needs to be streamlined and expedited²⁰.

Interview Summary

One of the key business processes at the City that the Planning department uses is the New World System to update address and parcel attribute data. Additionally, a workflow between Mapguide and New World allows the department to make changes to general plan and zoning information that is then reflected in the GIS. However, there is a lot more integration with GIS that is desired to help in planning and reporting activities. The department stores a wide variety of information such as Planning Projects, Permits, Code Enforcement Cases, etc., in the New World System. The New World System is tabular based and integration with GIS will allow the department to visualize the stored information spatially. Sometimes City Council members request reports on the types of code enforcement cases within their district and having this

²⁰ Since this is an Organization wide requirement, recommendations addressing this need have been provided as part of organizational recommendations on Page 44.



¹⁸ <u>https://ci.turlock.ca.us/buildinginturlock/planninglandusepermitting/whatwedo/</u>

¹⁹ https://ci.turlock.ca.us/buildinginturlock/buildingsafety/



information integrated to a GIS would make the process of report generation and visualization more efficient. Other examples given were using the GIS to show liens or special conditions on properties based on New World information. The integration also needs to happen in a two-way environment where information from the GIS can be imported into New World. An example of this is being able to tag parcel records in New World based on whether they are within the GIS CFD2 layer.

The department also mentioned the need for integration between GIS and the OnBase Document Management System. The City has a document retention policy but the Building Department is one of the only few that has been scanning documents on a regular basis. The department desires to be able to retrieve archived documents such as older building permits and view them in the GIS.

The department considers New World to have authoritative address information and considers County provided addresses as inaccurate. Similarly, parcel attribute information is usually updated faster within New World than in the GIS. So a common complaint about the GIS is that it usually has out of date data and updates are seen two or three months later. Between parcels and addresses, addresses are assigned earlier because sometimes, before the County assigns an APN, the City assigns addresses to proposed parcels so that permits can be issued.

The department expressed the desire to standardize basemap processes so that there is no lag in data updates. The department would like to update address data in the New World first for permitting purposes and then share the address information so it is entered into the GIS. If GIS handles parcel updates, then the department wants to ensure that when GIS is synced with New World, the information includes the General Plan, Zoning, and any other data such as special districts, so that they do not have to go back and update this information within New World. The department expressed the need for an audit of the basemap data to ensure accurate data is used moving forward. Other topics of interest to the department are the ability to send mailing notifications based on accurate address data, and viewing the metadata of GIS datasets.

The department publishes a variety of information on the City website for the public such as; a list of Active Projects, list of Master / Specific Plans, Vacant Land map, etc. Some of this information is in New World and is made available in the City's website. However, this data is not tied to GIS. There is an opportunity to develop a consolidated process that would streamline updates to the website, integrate internal systems, and improve efficiency of updating the City's website.

Updated Census Tract and Census Block information is needed to identify disadvantaged communities that might be eligible for Economic Development Administration funding and to meet CDBG objectives.





The downtown Public Benefit Improvement District boundaries need to be mapped to help identify areas where special improvements can be made.

An SB2 Overlay District Layer needs to be developed to help with planning related to emergency shelters.

Data Needs

A summary of the datasets identified as needed by this department is provided in the table below.

TABLE 23: SUMMARY OF THE DATASETS IDENTIFIED AS NEEDED BY THE PLANNING DEPARTMENT

Dataset Name	Data Steward	Priority	Notes
General Plan Land Use (Proposed)	Planning	High	To be provided by General Plan Consultant
LandUseCurrent	Planning	High	Needs updates
AssessmentDistricts	Planning	High	Needs updates
Annexations	Planning	High	Needs updates
CFD	Planning	High	Needs updates
IncentiveZones	Planning	Medium	Does not exist. Needs to be created
SubdivisionBoundaries	Planning	Medium	Does not exist. Needs to be created
OpportunityZones	Planning	Medium	Does not exist. Needs to be created
PublicBenefitImprovementDistricts	Planning	Medium	Does not exist. Needs to be created
SB2Overlay	Planning	Medium	Does not exist. Needs to be created

GIS Application or Solution Needs

A summary of the solutions and applications identified as needed by this department includes:

TABLE 24: SUMMARY OF SOLUTIONS AND APPLICATIONS IDENTIFIED AS NEEDED BY THE PLANNING

DEPARTMENT

GIS App or Solution	Priority
GIS Viewer for Planning	High
An app that allows public to lookup permit status using a map interface	High
An app that allows the public to look up and inquire common questions such as general plan designations, zoning, etc.	High
An app that allows the public to comment on planning projects such as general plan updates	Medium
An app to help business owners and corporations to locate available buildings and sites in a community for investment, purchase or development, and incentive zones	Medium





Recommendations

The following are recommended projects focused on enhancing Planning and Building workflows using GIS technology. It is recommended that projects follow the methodology described on Page 10.

CD-A. Planning and Building Data Updates	Priority: Varies

Availability of good and reliable data is critical for a GIS system. Before any tools and apps are developed, the GIS data that these apps will utilize must be prepared and updated.

The GIS data needs specific to Planning and Building, along with their priority for development is mentioned in the Data Needs table on Page 38. These datasets are anticipated to be created or updated over the course of the implementation timeline of this Strategic Plan. Data development will also include establishment of data maintenance workflows and appropriate metadata information, as standalone tasks or as part of individual projects listed below.

CD-B. Planning Department GIS Viewer						Priori	ty: High				

It is recommended that the City deploy a GIS web application specifically geared towards meeting the Planning and Building Division needs. This application will be a specialized version of the Internal GIS Viewer mentioned in Page 51. It will display layers that are pertinent to the Planning and Building Safety (see Data Needs table above), along with common basemap data, and reference layers from other departments. This application will be able to consolidate information from various GIS layers, the New World System and OnBase, in a single view. The goal of the viewer is to allow users to obtain a majority of the information they are seeking in as few clicks as possible.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - Planning and Building Safety specific GIS data (see Data Needs table)
 - Reference GIS layers from other departments
 - o Data integrated from New World
 - Document links (from Onbase or other)
- Ability to do mailing notifications based on accurate addresses
- Ability to generate reports
- Ability to apply queries and filters on datasets (e.g. filter by APN, zoning code, etc.)
- Ability to perform spatial analysis (e.g. buffer, summarize, hot spot analysis, near analysis, clip, extract, overlay, etc.)
- Ability to print and share notes

The following figure shows an example of an interactive GIS based web application for Planning.





FIGURE 22: EXAMPLE INTERACTIVE GIS BASED WEB APPLICATION FOR PLANNING



CD-C. Permit Status Lookup Priority: High

It is recommended that the City deploy a public facing GIS web application that will allow the public to research permits issued within the City using an interactive and intuitive mapping interface using address or parcel APN search. The following figure shows an example of an interactive mapping application to lookup permits. This application must also be made available in the public GIS apps gallery on the Open Data Portal.

FIGURE 23: EXAMPLE PUBLIC FACING PERMIT STATUS LOOKUP APPLICATION







CD-D. Planning Information Viewer Priority: High

It is recommended that the City deploy a GIS web application that will allow the public to look up commonly requested Planning and Building Safety related information (e.g. General Plan, Zoning, Annexations, Ongoing Construction Projects and Development Activity, etc.), using an interactive mapping interface. This application will provide a live view of the most recent data eliminating the need for Planning related static maps on the City website (e.g. Zoning map²¹). This application will provide public users the ability to lookup Zoning and Municipal Code information using address or parcel APN search, sourced directly from authoritative data in both GIS and New World. Users who access the current Zoning Lookup²² tool on the City website can be redirected to this mapping application instead. This application must be made available in the public GIS apps gallery on the Open Data Portal, embedded in the current City Council web page, and any shareable data such as Zoning districts must be shared on the Open Data Portal. The following figure shows an example of an interactive Planning Information Viewer displaying Zoning districts.



FIGURE 24: EXAMPLE PUBLIC FACING PLANNING INFORMATION VIEWER

CD-E. Public Comment Application

Priority: Medium

It is recommended that the City deploy a public facing GIS web application that will allow the public and other stakeholders to submit feedback on the City's General Plan and Land Use

²² https://ci.turlock.ca.us/buildinginturlock/planninglandusepermitting/zoningregulations/zoninglookup.asp



²¹ <u>https://ci.turlock.ca.us/buildinginturlock/planninglandusepermitting/zoningregulations/</u>



Planning efforts. The application can help the City analyze feedback from the public, overlay it with detailed data, and make better decisions about infrastructure spending and proposed developments such as capital projects. This application can also be used to supplement statutory public notice requirements and gives community members the opportunity to express concerns about proposed developments in lieu of attending City council or commission meetings. This application will display a subset of layers in the proposed Public Planning Information viewer above, with a focus on allowing public and stakeholders to enter comments on specific layers such as proposed land uses and proposed development activity, with visibility to City planners and council members. The following figure shows an example of an interactive Public Comment application.



FIGURE 25: EXAMPLE PUBLIC FACING PUBLIC COMMENT APPLICATION

CD-F. Development Opportunities Viewer

Priority: Medium

It is recommended that the City deploy a public facing GIS web application that will allow investors to locate buildings and sites in the City, that are available for development. Real estate information can be combined and reports provided to ensure ideal business investments that align with the City's vision for the future. The following figure shows an example of an interactive Development Opportunities viewer.





FIGURE 26: EXAMPLE PUBLIC FACING DEVELOPMENT OPPORTUNITIES VIEWER



Chucky Restaurant

1234 Ogden Ave Naperville, IL, 60540

Description

This distinctive and free standing sprinklered building has been a restaurant destination since 1975. It has been remodeled and updated along the years.

Site Information

Current Zoning: C-2 Building Floor Area: 2,876 sq. ft.

Distance to Highway: 0.25 mi. Distance to Rail: 6.00 mi. Distance to Airport: 30.00 mi.

Gas Service: Yes Electric Service: Yes Broadband Service: Yes Water Service: Yes Sewer Service: Yes

Contact Information

Tommy Knight 555-555-3322 <u>tknight@devorg.com</u>





Development Engineering and CIP

Overview

The Development Engineering Division (Engineering) is part of the City's Development Services Department. Engineering is mainly responsible for professional engineering design, surveying and project management for various projects within the City.

The Capital Engineering and Community Infrastructure Division (CIP) is part of the City's Development Services Department. CIP is mainly responsible for professional engineering design, surveying and project management for capital improvement projects within the City.

The primary and most urgent issues and gaps are listed below, followed by an interview summary which reports more details and additional needs identified. The interview summary is followed by project recommendations aimed at addressing the issues, needs, and gaps that were discussed.

Key Issues and Gaps:

- Authoritative and accurate base GIS data (addresses, roads and parcels)
- Updated GIS datasets specific to Engineering (current and historical projects, etc.)
- Lack of GIS resource(s) that update datasets, and provide GIS coordination, management and communication
- View linked documents in GIS

Interview Summary

The Engineering group mentioned that they were not utilizing the existing GIS system to its full potential due to a lack of desired data and capabilities. This group considers the priority for accurate and regularly updated data within the GIS to be very high.

A useful enhancement to the GIS viewer would be the ability to mark up, redline and comment areas on the map and being able to easily share the map as a graphic in an email that would aid in project related discussions.

Linking GIS features to documents such as reimbursement agreements, improvement drawings, etc., would be very useful. The group pointed out that they have a records retention program that needs to be initiated but has not been at this time. There are alot of archive files that need to be scanned and could be made available in the GIS. The group mentioned that this has not happened because of funding issues. Currently, the department collects records retention funds for permits and capital projects and those funds are utilized to scan or prepare the documents for scanning into a document management system. Historic documents also need to be scanned but are not because of a lack of funding and a proper program.





The division expressed interest in being able to view status of completion of subdivisions and developments, that information would help in planning and understanding which parcels are available and if infrastructure is available to those parcels or not.

A Pavement moratorium viewer and map would help both Municipal Services and Engineering remain on the same page regarding recent road repairs and coordinating project work.

An important benefit would be if all required parcel information is available to developers when they come into the city to pull permits on new developments.

The current viewer allows the group to edit the map and display locations where inspectors are currently doing inspections. However, when there are linear projects such as Engineering projects, this app restricts them to only highlight a parcel along the roadway project, instead of choosing the roadway feature and highlight this feature as being inspected.

The group highlighted the fact that there was no central GIS department. If there were a central GIS department the group felt that it would be easy to coordinate data updates in a standardized way into the GIS.

One of the main issues per the CIP group was that there is some confusion on who if anyone has been doing GIS updates at the City. GIS updates are mostly off radar and there is no GIS "champion". The department recognized the primary need for GIS at the City is to perform data catchups and establish a standardized update process. It is also not known if layers maintained by other departments are current or not. In the department's opinion, there needs to be someone that coordinates GIS activities at the City including communicating with contractors and vendors to ensure GIS data is updated in a regular manner. The CIP group mentioned being able to send project data updates to a point of contact (who is no longer at the City), who would then send the data to a CAD vendor who would update the GIS. But since the point of contact left the City, the CIP group is not sure how often data updates are taking place. When it comes the CIP group's GIS needs, having a good way to geospatially locate the projects that they are doing and what they have done in the past would be one of the most important needs related to GIS.

When it comes to the GIS viewer itself, the department felt that there need to be improvements in functionality. Examples given were printing and some user interface improvements. Overall the CIP groups interaction with the current Mapguide viewer is very limited. The viewer is mainly used by the CIP group for viewing utility infrastructure, parcel information and sending notifications to owners when there are projects in that area. Having links to assessor map pages is helpful. But links to other drawings such as improvement drawings would be very useful. Project numbers to GIS features would also be very helpful when doing research.

The department currently lists out ongoing CIP projects on the City's website but felt that publishing a map of CIP project information would be useful to the public.





Another useful enhancement to the GIS viewer would be the ability to mark up, redline and comment areas on the map and being able to easily share the map as a graphic in an email that would aid in project related discussions.

The CIP group liked the idea of being able to view status of projects not just for the public but also internally during project design meetings. This would help in project discussions by letting everyone understand the funding source, remaining budget and status of the project for planning their workflows.

The CIP group saw some benefit in being able to use mobile apps for their pre-planning efforts and getting preliminary cost estimates for a project via mobile data collection. But the group felt that this would be a lower priority compared to getting data updates in place and a GIS that is functioning as desired.

Adding meta-data information to GIS layers would be helpful to understand when the layer was last updated and who updated it. Additionally when looking at specific features within a GIS layer, it would be good to understand when that data was last updated.

The city has been discussing options for standardizing the submission of CAD drawings to the city by outside contractors. The CIP group felt that it would be a big effort to have local engineering firms to try and standardize to the cities format. They see these kinds of processes working better for larger cities but may not be the best option for a city the size of Turlock. It would be preferable to provide more general guidelines such as the type of data to be submitted, anything more than that would raise costs of the design work done by outside firms. At the least the group agreed that having the contractors provide data in a shapefile format for easier import into the GIS would be helpful.

The CIP group saw value in having a viewer that provided shared information about City as well as external agency projects to aid in better communication about activities in the city.

Data Needs

A summary of the datasets identified as needed by this department is provided in the table below.

Dataset Name	Data Steward	Priority	Notes
CIPProjects	Engineering	High	Does not exist. Needs to be created
ConstructionActivity	Engineering	High	Does not exist. Needs to be created
CurrentProjects	Engineering	High	Does not exist. Needs to be created
InfrastructureProjects	Engineering	High	Does not exist. Needs to be created
PavementMoratoriums	Engineering	High	Does not exist. Needs to be created
ProjectBoundaries (linked to plans or drawings)	Engineering	High	Does not exist. Needs to be created

TABLE 25: SUMMARY OF DATASETS IDENTIFIED AS NEEDED BY THE ENGINEERING DEPARTMENT





Dataset Name	Data Steward	Priority	Notes
ROWPermits	Engineering	High	Does not exist. Needs to be created
GradingPermits	Engineering	High	Does not exist. Needs to be created
EncroachmentPermits	Engineering	High	Does not exist. Needs to be created
PlannedProjects	Engineering	High	Does not exist. Needs to be created
Development Status	Engineering	Medium	Does not exist. Needs to be created
SubdivisionBoundaries	Engineering	Medium	Does not exist. Needs to be created
CurbRamp	Engineering	Medium	Does not exist. Needs to be created
Guardrails	Engineering	Medium	Does not exist. Needs to be created
Poles	Engineering	Medium	Does not exist. Needs to be created
Sidewalk	Engineering	Medium	Does not exist. Needs to be created
StreetSpeedLimit	Engineering	Medium	Does not exist. Needs to be created
Crosswalk	Engineering	Medium	Does not exist. Needs to be created
RoadFunctionalClass	Engineering	Medium	Does not exist. Needs to be created
ADA Transition Plan DATA	Engineering	Medium	Does not exist. Needs to be created
Antennas in ROW	Engineering	Medium	Does not exist. Needs to be created
ElevationPt	Engineering	Medium	Does not exist. Needs to be created
Streetfurniture	Engineering	Medium	Does not exist. Needs to be created
Streetlights	Engineering	Medium	Does not exist. Needs to be created
PavementCondition	Engineering	Medium	Does not exist. Needs to be created
Bridges	Engineering	Low	Does not exist. Needs to be created
Contours	Engineering	Low	Does not exist. Needs to be created
Signs	Engineering	Low	Does not exist. Needs to be created
Survey Benchmarks	Engineering	Low	Needs updates
Private Roads	Engineering	Low	Does not exist. Needs to be created
ParkingPayStation	Engineering	Low	Does not exist. Needs to be created
StreetPavement	Engineering	Low	Does not exist. Needs to be created
FloodZones	Engineering	Very Low	Does not exist. Needs to be created
PavementMarkings	Engineering	Very Low	Does not exist. Needs to be created

GIS Application or Solution Needs

A summary of the solutions and applications identified as needed by this department includes:

TABLE 26: SUMMARY OF SOLUTIONS AND APPLICATIONS IDENTIFIED AS NEEDED BY THE ENGINEERING DEPARTMENT

GIS App or Solution	Priority
Engineering GIS Viewer	High
Capital Projects Dashboard	Medium
Public Capital Projects Viewer	Low
Public Pavement Moratorium Viewer	Low
Public Road Closures App	Low



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Citizen Problem Reporter Solution	Low
GIS and AVL Integration	Very Lo

Recommendations

The following are recommended projects focused on enhancing Engineering and CIP workflows using GIS technology. It is recommended that projects follow the methodology described on Page 10.

PW-A.Engineering Data Updates	Priority: Varies
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Availability of good and reliable data is critical for a GIS system. Before any tools and apps are developed, the GIS data that these apps will need must be prepared and updated.

The GIS data needs specific to Engineering, along with their priority for development is mentioned in the Data Needs table on Page 38. These datasets are anticipated to be created or updated over the course of the implementation timeline of this Strategic Plan. Data development will also include establishment of data maintenance workflows and appropriate metadata information, as standalone tasks or as part of individual projects listed below.

PW-B.Er	gineering GIS	5 Viewer	Priority: Hi	gh
D · ·	1 .	1 1		/

Engineering needs quick and easy access to GIS information specific to their division (e.g. project locations, subdivisions, etc.), as well as reference layers (e.g. parcels, addresses, etc.). This saves time and effort when performing daily or periodic activities such as project management, plan check, construction, and so on.

It is therefore recommended that the City deploy a GIS web application that can be used by the Engineering group within the Development Services Department that includes data and tools needed by the CIP group. This application will be a specialized version of the Internal GIS Viewer mentioned in Page 51. It will display layers that are pertinent to Engineering and CIP (see Data Needs table above), along with common basemap data, and reference layers from other departments. This application will be able to consolidate information from various GIS layers, and other systems such as OnBase, in a single view. The goal of the viewer is to allow users to obtain a majority of the information they are seeking in as few clicks as possible.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - Engineering specific GIS data (see Data Needs table)
 - Reference GIS layers from other departments
 - Document links (from Onbase or other)
- Ability to do mailing notifications based on accurate addresses



Low



- Ability to apply queries and filters on datasets (e.g. search by project number, inspection ID, etc.)
- Ability to redline and submit data corrections
- Ability to print and share notes
- Ability to highlight and edit linear project features
- Responsive web application that is accessible in the field using mobile devices

The following figure shows an example of an interactive GIS based web application for Engineering.

ittle Italy Group Filter Select a Group to Filter CIP Line: B18022 Projects By Council District -CELECTED 190 Prosect ID B18022 CONTAINS . AC Water and Server Occup 1013 Trtle (5) Type in a Vislue 1/11/2022, 4:00 PM Start Constructi 1.5 Dertrict Dates Platning MEDWAY-PACIFIC HEGHWAY, Contraction RESERVE, DO RESERVE RESERVE RESERVE RESERVE 6195334201 Center Zoom h 4-61 Add Criteria Reset. Apply WBSI Ŧ 2

FIGURE 27: EXAMPLE INTERACTIVE GIS BASED WEB APPLICATION FOR ENGINEERING

PW-C. Capital Projects Dashboard Priority: Medium

The Engineering group mentioned that that ability to view proposed projects as well as status of existing projects during internal project design meetings would be valuable. This will allow better communication and collaboration between the various departments involved from project planning to completion. GIS provides effective tools to facilitate the above requested ability.

It is therefore recommended the City deploy a Capital Projects Dashboard app that can be used by staff to collaborate, plan, and coordinate project activities. This dashboard can also be shared with Council members to keep them informed on all stages of the project including budget expended, percent completed and remaining schedule.





The following figure shows an example of an interactive Capital Project Dashboard.



FIGURE 28: EXAMPLE INTERACTIVE CAPITAL PROJECT DASHBOARD

PW-D. Public Capital Projects Viewer

Priority: Low

The City currently posts information on upcoming and current Capital projects on the City website²³. This keeps the public informed about construction activity, sets expectations about traffic delays and helps answer any queries the public might have. Currently, the project information is in the form of static lists which have to be updated manually via the City's website content management system (CMS). GIS can help enhance this workflow from a static process to a dynamic process where project information from the GIS is automatically reflected in the information to the public. In addition, GIS provides interactivity and helps users visualize the information within a spatial context that enhances user experience overall.

²³ https://ci.turlock.ca.us/capitalprojects/projectsunderconstruction/





It is therefore recommended that the City publish a GIS based Public Capital Projects Viewer application that displays the various current and upcoming projects of the City along with status, description, budget, etc. This app will also help reduce calls for information to the City. If the City deploys the internal Capital Projects Dashboard as proposed in the previous project above, there will be minimal effort in deploying this application. The City can use the same underlying data source used in the dashboard application, hide certain information to enable security and publish the information to the public viewer. When updates are made to the source information, both apps will reflect updated data immediately.



FIGURE 29: EXAMPLE PUBLIC CAPITAL PROJECTS VIEWER

The above public app should be made available on the proposed Open Data Portal that is being recommended as part of the overall organization wide recommendations, and embedded in an appropriate location within the City website.

PW-E. Public Pavement Moratorium Viewer	Priority: Low
Pavement Moratoriums are used to preclude, or restrict, pavement cut	ts and right-of-way activity
on newly paved streets, for a certain period of time. GIS can be used a	s an effective tool, to share
current moratoriums with private utilities and other external agenci	ies so they understand the

current moratoriums with private utilities and other external agencies so they understand the impact of any work planned in the same right-of-way. GIS allows efficiency in information sharing and can help reduce staff effort and calls for information from external agencies.

It is therefore recommended the City deploy a public facing interactive GIS based web application that displays current pavement moratoriums along with information such as extents and date of expiry.

The following figure shows an example of an interactive GIS based web application that displays pavement moratoriums.







The above public app should be made available on the proposed Open Data Portal that is being recommended as part of the overall organization wide recommendations, and embedded in an appropriate location within the City website.

PW-F. Public Road Closures App	Priority: Low				
Road closures within a City are an important bit of information that	needs to be published both				
for public and internal use. Many departments within the City have expressed the need for this					
information to be available to them. Road closure information is useful for engineers and					
maintenance staff to track roadblocks or closures which may have bee	n set up to control or block				
traffic along a road, during ongoing construction activities. Road clo	osure information is useful				
for transportation staff to maintain an inventory of road closures, and	communicate closures and				
detours to travelers. Road closure information is also useful for emer	gency management staff to				
maintain an inventory of road closures, and communicate closures an	d detours to travelers. GIS				
is an effective tool to help various staff members obtain this informati	is an effective tool to help various staff members obtain this information in a convenient manner.				
A GIS map for road closures is especially useful if live traffic data	is overlaid on the closure				
information. The closure information should show extent of the affect	ed area, the purpose/reason				
of the closure and alternate routing to help the public plan their travel.	-				





It is therefore recommended the City deploy a public facing interactive GIS based web application that displays road closures for use by internal staff and the public.

The following figure shows an example of an interactive GIS based web application that displays road closures.



FIGURE 31: EXAMPLE PUBLIC ROAD CLOSURES MAP

The above public app should be made available on the proposed Open Data Portal that is being recommended as part of the overall organization wide recommendations, and embedded in an appropriate location within the City website.

PW-G.Citizen Problem Reporter Solution	Priority: Low			
The Citizen Problem Reporter Solution allows the general public to submit non-emergency				
problems (for example, blight, graffiti, trash, pothole, and floc	oding) in the community			
conveniently from a smartphone, tablet, or desktop computer. A C	Citizen Problem Reporting			
solution can be highly useful departments such as planning, engin	neering and neighborhood			
services, etc., to receive complaints. This solution can supplement customer service phone				
numbers staffed by the City. This solution can be used to verify con	nplaints and assign staff to			
resolve issues, and improve services in the community.				

It is therefore recommended the City deploy a Citizen Problem Reporting Solution that has the following key components.





•

Map based complaint form embedded on the City website to receive complaints of various kinds (noise, abandoned vehicle, weeds, graffiti, illegal home or business, etc.). This form will effectively replace the current Citizen Report Form²⁴ on the City website. The advantage of this form is that the location entered in the complaint form is automatically mapped in the GIS and provides immediate spatial context (e.g. repeat offence zones, property threat levels, high crime area, busy street, etc.) to dispatchers, for more effective planning. This is something non-GIS systems cannot provide. Another important aspect of this application is that if someone has already made the same complaint, it visually indicates this to the user thus deflecting multiple calls about the same issue to the City. An example is shown below.



FIGURE 32: EXAMPLE CITIZEN PROBLEM REPORTER SOLUTION

Citizen Problem Management application that allows internal staff to verify and triage the complaint assigning it a level of urgency for further action by field staff, or lookup the status of resolution of a complaint. An example is shown below.

²⁴ <u>https://ci.turlock.ca.us/neighborhoodissues/citizenreportform/</u>





»		Problems		1 selected / 410 records	
Category carno cree	7 \$	Type of Problem 🛛 🖓 🕆	Visible to the public 🛛 😨	Status Compresent	
Trash		Yard Waste Pickup	Yes	Completed	
Road		Damaged Traffic Signal	Yes	Completed	
				+	
Status: Submitted Received		Completed			
		- 5 ,		Å	

FIGURE 33: EXAMPLE CITIZEN PROBLEM MANAGEMENT APPLICATION

• A Citizen Problem dashboard application that allows the City to monitor problems submitted by the general public, identify repeat problem areas, and track overall performance in resolving issues. An example is shown below.

FIGURE 34: EXAMPLE CITIZEN PROBLEM DASHBOARD







Transit and Traffic

Overview

The Engineering and Transit Divisions are part of the City's Development Services Department. The Engineering Division is responsible for traffic-related issues and managing traffic flow within the City using signal timing, conducting speed surveys, traffic counts and so on. The Transit Division is responsible for fixed-route bus services as well as curb-to-curb ADA compliant paratransit services.

The primary and most urgent issues and gaps are listed below, followed by an interview summary which reports more details and additional needs identified. The interview summary is followed by project recommendations aimed at addressing the issues, needs, and gaps that were discussed.

Key Issues and Gaps:

- General Transit Feed Specification (GTFS) data to GIS
- Capture project related information
- Access to linked documents via GIS features (e.g. improvement plans, etc.)

Interview Summary

The Engineering Division staff would like to be able to pull up improvement drawings at street intersections and view work that was done as part of traffic signal projects. Every seven years the City is required to do a speed survey of streets on the California Roadway Systems (CRS) Map. Staff would like speed limit information shown on road centerlines along with a link to the speed survey. Similarly, other data needs are: Pavement Condition, Traffic Signal Locations, intersection data, linked improvement plans, signal plans, maintenance history on traffic assets at intersections, crosswalks, traffic counts, street closures, traffic delay data, road functional classifications, Measure L roads, bike routes, streets with trenching moratorium, etc. Curb ramps are present in a FileMaker Pro database, but it is not known if this data has lat/long information.

Any GIS viewer with information specific to traffic-related needs must have traffic layers grouped together for easy access.

From a reporting standpoint, it would be good to be able to understand which traffic signals have a signal timing plan that predates specific signal timing rule or regulation changes so updates can be planned. It would be beneficial to store the date of signal rule change to allow for such queries. Including dates also allows the City understand how old some of the amenities are and plan for updates.

The Transit Division would like to start using data from the GTFS feed in GIS. The GIS should be able to display the latest stop and route data including any stop amenities. The data should be publically viewable for citizens to look up stop, schedule, and route information with sensitive information hidden and available only to internal staff. When the City rolls out Automatic





Vehicle Location (AVL) functionality on the buses, Transit staff would like that data available on the GIS as well. One of the key GIS needs for the Transit Division is that staff should be able to view project information, such as when was the last transit related project completed and what was done. Future/proposed project information should be available as well to assist with project planning activities. It would also be helpful to see City related projects on the viewer to understand what is going on with those projects. Transit staff recognizes the need to start logging projects in a centralized way so that this information can be made available in the GIS. Transit staff is also interested in trip planning capabilities, or at least tying GIS information into a tool such as Google trip planner, so that visitors can use GIS based tools to lookup stops, routes, schedules, and also plan trips in the same interface.

Transit staff would also like regional transit routes to be incorporated in the GIS. From a more regional standpoint, there is value in sharing ridership data among the various transit agencies in the Stanislaus County region. GIS can be used to understand locations of high demand stops and poor vs good performing routes that would help the City stay in compliance with Fare Recovery Ratio requirements of the Transportation Development Act (TDA).

The City hired a consultant that performed a bus stop inventory along with lat/long information and this data should be available in the GIS. The GIS should allow staff to draw buffers to determine transit service areas.

Data Needs

A summary of the datasets identified as needed by this department is provided in the table below.

Dataset Name	Data Steward	Priority	Notes
RoadClosures	Traffic	High	Does not exist. Needs to be created
TrafficCrashes	Traffic	High	Does not exist. Needs to be created
TripPlanning	Transit	High	Does not exist. Needs to be created
BusRoutes	Transit	High	Needs updates
BusSchedule	Transit	High	Needs updates
BusStops	Transit	High	Needs updates
GTFS Feed Data to GIS	Transit	High	Data exists and is current; needs to be integrated with GIS.
TransitProjects	Transit	High	Does not exist. Needs to be created
TruckRoute	Transit	High	Does not exist. Needs to be created




Dataset Name	Data Steward	Priority	Notes
TrafficCalmingDevices	Traffic	Medium	Does not exist. Needs to be created
TrafficCounts	Traffic	Medium	Needs updates
BikeLane	Transit	Medium	Does not exist. Needs to be created
BusShelters (incl. Amenities/Furniture)	Transit	Medium	Does not exist. Needs to be created
RegionalTransitRoutes	Transit	Medium	Does not exist. Needs to be created
Dead End Barriers	Traffic	Low	Does not exist. Needs to be created
TrafficCamera	Traffic	Low	Does not exist. Needs to be created
Traffic Delays	Traffic or External Service	Low	Does not exist. Needs to be created
BusRidership (Route Level)	Transit	Low	Does not exist. Needs to be created
BusRidership (Stop Level)	Transit	Low	Does not exist. Needs to be created
BusShelterMaintenance	Transit	Low	Does not exist. Needs to be created
BusShelterMaintenanceHistory	Transit	Low	Does not exist. Needs to be created

GIS Application or Solution Needs

Based on the needs identified during the interview, a summary of the solutions and applications identified as needed by this department includes:

 TABLE 28: SUMMARY OF SOLUTIONS AND APPLICATIONS IDENTIFIED AS NEEDED BY THE TRANSIT

 AND TRAFFIC DIVISION

GIS App or Solution	Priority
GTFS to GIS Conversion Workflow	High
Traffic and Transit GIS Viewer	Medium
Public Transit Viewer	Very Low

Recommendations

The following are recommended projects focused on enhancing Transit and Traffic workflows using GIS technology. It is recommended that projects follow the methodology described on Page 10.





TT-A. Transit and Traffic Data Updates

Priority: Varies

Availability of good and reliable data is critical for a GIS system. Before any tools and apps are developed, the GIS data that these apps will need must be prepared and updated.

The GIS data needs specific to Transit and Traffic, along with their priority for development is mentioned in the Data Needs table on Page 38. These datasets are anticipated to be created or updated over the course of the implementation timeline of this Strategic Plan. Data development will also include establishment of data maintenance workflows and appropriate metadata information, as standalone tasks or as part of individual projects listed below.

TT-B. GTFS To GIS Conversion Workflow	Priority: High
The General Transit Feed Specification (GTFS) is an open sta	indard for sharing public
transportation schedules, locations, and fare information. GTFS t	feeds allow public transit
agencies publish data in a format that can be consumed and used in a v	variety of applications. One
of the common uses of GTFS feeds is to convert the feed to a GIS	format for viewing by the
public and transit authorities. The Transit Division at the City indicate	d that this is a high priority
need.	

It is therefore recommended that the City develop an automated workflow that would allow consuming a GTFS feed and converting the information into GIS at a regular interval. GTFS feeds provide information such as stops, routes, trips, fares, transfers, etc., in a text format. An automated script can consume this information and convert it to GIS format that can then be displayed in a public or staff facing GIS viewer.

TT-C. Traffic and Transit GIS Viewer	Priority: Medium
The Engineering and Transit Divisions need quick and easy access to	GIS information specific to

their division (e.g. projects, intersection drawings), as well as reference layers (e.g. addresses). This saves time and effort when performing daily or periodic activities such as signal timing, project planning, route design, etc.

It is therefore recommended that the City deploy a GIS web application specifically geared towards meeting the division's GIS needs. This application will display layers that are pertinent to these divisions (see Data Needs table above), along with common basemap data, and reference layers from other departments. This application will be able to consolidate information from various GIS layers in a single view. The goal of this application is to allow users to obtain a majority of the information they are seeking in as few clicks as possible.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - o Accurate and updated basemap information (parcels, addresses, and roads)
 - Transit specific GIS data (see Data Needs table)
 - Reference GIS layers from other departments





- Data integrated from New World
- Document links (from Onbase or other)
- Ability to generate reports
- Ability to apply queries and filters on datasets
- Ability to perform spatial analysis (e.g. buffer, summarize, near analysis, extract, overlay, etc.)
- Ability to redline and submit data corrections

The following figure shows an example of an interactive GIS based web application for the divisions.

FIGURE 35: EXAMPLE INTERACTIVE GIS BASED WEB APPLICATION FOR THE TRANSIT AND TRAFFIC DIVISION



TT-D. Public Transit Viewer

Priority: Very Low

The public can look up transit related information such as routes, schedules, and fares at the City's transit website²⁵. This website displays a system map that is currently based on open source software. The current Strategic Plan is proposing that the City implement the ArcGIS

²⁵ <u>http://www.turlocktransit.com/</u>





Platform as part of the technology recommendations. It is recommended the City standardize on a single mapping platform that can not only display location information but also enable GIS centric workflows that reduce duplication and effectively streamline City workflows.

It is recommended the City deploy a public transit viewer that shows schedule, route, and fare information using the proposed GIS platform. The current system map and route detail maps can be made interactive using key information needed by the public. The system map should allow filtering by route and show stop details. Trip planning must also be incorporated using services such as Google Maps. However, note that trip planning will have to be deployed as a separate component as Google services cannot be integrated with ArcGIS, at this time.

The following figure shows an example of an interactive GIS based web application that displays public transit information.



FIGURE 36: EXAMPLE PUBLIC TRANSIT VIEWER





Municipal Services

Overview

The Municipal Services Department (MSD) at the City of Turlock offers a wide range of services which includes utility infrastructure maintenance, water conservation and regulations, and water quality control.

The following is a review of needs gathered during discussions with MSD. The primary and most urgent issues and gaps are listed below, followed by an interview summary which provides more details and additional needs identified. The interview summary is followed by project recommendations aimed at addressing the issues, needs, and gaps that were discussed.

Key Issues and Gaps:

- Accurate and updated basemap data (parcels, addresses, roads)
- Updated GIS datasets specific to MSD (e.g. water meters, etc.)
- Access to linked documents via GIS features (e.g. improvement plans, etc.)

Interview Summary

The Municipal Services Department uses the GIS Mapguide viewer somewhat sparingly. The department has access to a GIS editing web application setup by Cal CAD that allows them to correct utility GIS data (such as updating inaccurate locations or entering missing information). The department would like the positional accuracy of basemap data (parcels, right of ways, centerlines, etc.) to be improved. Next, the utility infrastructure should overlay well over the basemap data. The GIS data accuracy diminishes as one moves away from the core of the City and there are occurrences where utility infrastructure data goes through parcels. The department thinks there needs to be a project to correct the parcel lines and basemap data and then move utility infrastructure data to overlay well on it.

There is an opportunity to query the GIS data and get reports on various aspects such as pipe type and material, total length of pipe assets, number of assets by type such as manholes, street lights, etc. This would be useful for annual reporting to the state.

The City has water meter location data but this is not in GIS. The department felt it would be useful to have dashboards that would help track water conservation efforts, water outages, etc., and promptly notify residents of the status of such operations.

The City has a water shut off routing application that was custom built in-house by a programmer who is no longer at the City. The department has used this previously but mentioned that this is not working as expected at the moment. However, they are interested in having an updated application to ensure efficient routing for water shut offs.

The department feels that metadata on the GIS datasets with information such as last update date would be helpful.





For workflows such as flushing and valve turning, the department mentioned that it would be useful to be able to go to GIS and click on a valve, pull up the flushing form, fill out the information needed, and close out the work order. This may be something that is possible to configure within Mobile MMS.

The department is working on acquiring new CCTV software and there would be some work involved with integrating GIS with the new CCTV software or at least preparing GIS data to be used for the project.

The department is interested in an integration of the Mobile MMS information with GIS so that maintenance information and history is also available in the GIS viewer.

The department has a need to be able to access improvement plans, as-builts, permits, and other documents out in the field.

Data Needs

A summary of the datasets identified as needed by this department is provided in the table below.

 TABLE 29: SUMMARY OF DATASETS IDENTIFIED AS NEEDED BY THE MUNICIPAL SERVICES

Dataset Name	Data Steward	Priority	Notes
Sewer Manhole	Municipal Services	Very High	Needs updates
Sewer Main (incl. size and material)	Municipal Services	Very High	Needs updates
Sewer Pump	Municipal Services	Very High	Needs updates
Storm Control Valve	Municipal Services	Very High	Does not exist. Needs to be created
Storm Detention	Municipal Services	Very High	Does not exist. Needs to be created
Storm Discharge Point	Municipal Services	Very High	Does not exist. Needs to be created
Storm Manhole	Municipal Services	Very High	Needs updates
Storm Drain Catch Basins	Municipal Services	Very High	Needs updates
Storm Water Tributary Areas	Municipal Services	Very High	Does not exist. Needs to be created
Well Site	Municipal Services	Very High	Needs updates
Water Meter	Municipal Services	Very High	Does not exist. Needs to be created
Retention Basins	Municipal Services	Very High	Needs updates
TID Canals	Municipal Services	Very High	Does not exist. Needs to be created
Water System Blow-Offs	Municipal Services	Very High	Needs updates
Water Backflow Devices	Municipal Services	Very High	Does not exist. Needs to be created
Storm Inlet	Municipal Services	High	Does not exist. Needs

DEPARTMENT





Dataset Name	Data Steward	Priority	Notes
			to be created
Storm Open Drain	Municipal Services	High	Does not exist. Needs
			to be created
Storm Pipe (incl. size and material)	Municipal Services	High	Needs updates
Storm Drain Manhole Inverts	Municipal Services	High	Does not exist. Needs
			to be created
Sewer Clean Out	Municipal Services	High	Needs updates
Sewer Manhole Inverts	Municipal Services	High	Does not exist. Needs
	M ' ' 10 '	TT' 1	to be created
Water Lateral Line (incl. size)	Municipal Services	High	Does not exist. Needs
Saman Disahanga Daint	Municipal Comvises	Medium	to be created Does not exist. Needs
Sewer Discharge Point	Municipal Services	wiedluill	to be created
Sewer Lateral Line	Municipal Services	Medium	Needs updates
Water Control Valve	Municipal Services	Medium	Needs updates
Water Hydrant	Municipal Services	Medium	Does not exist. Needs
water fryurant	wunnerpar Services	Medium	to be created
Water Main (incl. size and material)	Municipal Services	Medium	Needs updates
Water Pump	Municipal Services	Medium	Needs updates
Water Sampling Station	Municipal Services	Medium	Does not exist. Needs
Water Sampling Station	Wallerpar Services	Wiedrum	to be created
Water Service Connection Point	Municipal Services	Medium	Does not exist. Needs
			to be created
Water System Valve	Municipal Services	Medium	Needs updates
GarbageCollectionRoutes/Schedule	Municipal Services	Low	Does not exist. Needs
	1		to be created
StreetSweepingRoutes/Schedule	Municipal Services	Low	Does not exist. Needs
			to be created
wAbandonedLine	Municipal Services	Very Low	Does not exist. Needs
			to be created
wAbandonedPoint	Municipal Services	Very Low	Does not exist. Needs
			to be created
wCasing	Municipal Services	Very Low	Does not exist. Needs
~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~			to be created
wConstructionLine	Municipal Services	Very Low	Does not exist. Needs
		X 7 X	to be created
wCurbStopValve	Municipal Services	Very Low	Does not exist. Needs
wElevationDt	Municipal Camilan	Von Lorr	to be created
wElevationPt	Municipal Services	Very Low	Does not exist. Needs to be created
wFitting	Municipal Services	Very Low	Does not exist. Needs
wFitting	Municipal Services	Very LOW	to be created
wNetworkStructure	Municipal Services	Very Low	Does not exist. Needs
WINCHVIRGHULLUIC	intullicipal bei vices	Very Low	Does not exist. I weeks





Dataset Name	Data Steward	Priority	Notes
			to be created
wOperationalArea	Municipal Services	Very Low	Does not exist. Needs to be created
wPressureZone	Municipal Services	Very Low	Does not exist. Needs to be created
wStructure	Municipal Services	Very Low	Does not exist. Needs to be created
swCasing	Municipal Services	Very Low	Does not exist. Needs to be created
swCleanOut	Municipal Services	Very Low	Does not exist. Needs to be created
swCulvert	Municipal Services	Very Low	Does not exist. Needs to be created
swFitting	Municipal Services	Very Low	Does not exist. Needs to be created
swNetworkStructure	Municipal Services	Very Low	Does not exist. Needs to be created
swSystemValve	Municipal Services	Very Low	Does not exist. Needs to be created
swVirtualDrainline	Municipal Services	Very Low	Does not exist. Needs to be created
swWeirStructure	Municipal Services	Very Low	Does not exist. Needs to be created
ssBend	Municipal Services	Low	Does not exist. Needs to be created
ssCasing	Municipal Services	Low	Does not exist. Needs to be created
ssControlValve	Municipal Services	Very Low	Does not exist. Needs to be created
ssDetention	Municipal Services	Very Low	Does not exist. Needs to be created
ssFitting	Municipal Services	Very Low	Does not exist. Needs to be created
ssInlet	Municipal Services	Very Low	Does not exist. Needs to be created
ssNetworkStructure	Municipal Services	Very Low	Does not exist. Needs to be created
ssOpenDrain	Municipal Services	Very Low	Does not exist. Needs to be created
ssServiceConnection	Municipal Services	Very Low	Does not exist. Needs to be created
ssSystemValve	Municipal Services	Very Low	Does not exist. Needs to be created



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Dataset Name	Data Steward	Priority	Notes
ssTap	Municipal Services	Very Low	Does not exist. Needs to be created
ssTestStation	Municipal Services	Very Low	Does not exist. Needs to be created
ssValveOperator	Municipal Services	Very Low	Does not exist. Needs to be created
ssVault	Municipal Services	Very Low	Does not exist. Needs to be created
ssVirtualDrainline	Municipal Services	Very Low	Does not exist. Needs to be created

GIS Application or Solution Needs

A summary of the solutions and applications identified as needed by this department includes:

 TABLE 30: SUMMARY OF SOLUTIONS AND APPLICATIONS IDENTIFIED AS NEEDED BY THE MUNICIPAL

 SERVICES DEPARTMENT

GIS App or Solution	Priority
GIS Viewer for Municipal Services Department	High
Water Shut Off Routing App	High
Water Conservation and Outreach Apps	Medium
Garbage, Leaf Pickup, Recycling Service Lookup Apps	Very Low

Recommendations

The following are recommended projects focused on enhancing MSD workflows using GIS technology. It is recommended that projects follow the methodology described on Page 10.

MS-A. Municipal Services Data Updates	Priority: Varies
Availability of good and reliable data is critical for a GIS system. Before any tools and apps a	
developed, the GIS data that these apps will need must be prepared and	d updated.

The GIS data needs specific to Municipal Services, along with their priority for development, is mentioned in the Data Needs table on Page 38. These datasets are anticipated to be created or updated over the course of the implementation timeline of this Strategic Plan. Data development will also include establishment of data maintenance workflows and appropriate metadata information, as standalone tasks or as part of individual projects listed below.

MS-B. Municipal Services GIS Viewer	Priority: High
It is recommended that the City deploy a GIS web application sp	pecifically geared towards
meeting MSD GIS needs. This application will be a specialized ve	ersion of the Internal GIS
Viewer mentioned in Page 51. It will display layers that are pertinen	t to MSD (see Data Needs
table above), along with common basemap data, and reference layer	rs from other departments.
This application will be able to consolidate information from various	GIS layers, Mobile MMS





and CCTV systems, in a single view. The goal of this application is to allow MSD users to obtain a majority of the information they are seeking in as few clicks as possible.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - MSD specific GIS data (see Data Needs table), including storm, sewer, and water utility infrastructure
 - Reference GIS layers from other departments
 - Document links (from OnBase, and/or other) to assessor maps, improvement plans, construction drawings, etc.
 - Data integrated from Mobile MMS
 - Data integrated from CCTV system
- Ability to generate reports (for annual reporting purposes)
- Ability to apply queries and filters on datasets
- Ability to redline and submit data corrections
- Responsive web application that is accessible in the field using mobile devices

The following figure shows an example of an interactive GIS based web application for MSD.



FIGURE 37: EXAMPLE MUNICIPAL SERVICES GIS VIEWER





	MS-C. Water Shutoff Routing App	Priority: High
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During interviews, MSD staff mentioned that a home grown, legacy water shutoff routing app is currently not working properly. With the proposed GIS system upgrade as part of this Strategic Plan, it is recommended the City develop a new routing app based on modern GIS technology. The following are preliminary requirements for this app:

- A road networks dataset. The current City roads database will need to be enhanced to provide network routing functionality. A roads network dataset will include proper turn information along with cost of travel, impediments, and barriers OR depending on frequency of routes generated, use the ArcGIS Online routing service²⁶.
- Tool to Plan Routes including the ability to set the number of stops and the number of vehicles available to visit the stops. This tool determines how to efficiently assign the stops to the vehicles and route the vehicles to the stops.

The following figure shows an example of an interactive GIS based routing application for MSD.



FIGURE 38: EXAMPLE WATER SHUTOFF ROUTING APP

MS-D. Water Conservation and Outreach Apps

Priority: Medium

It is recommended that MSD leverage GIS to better coordinate and track water conservation and outreach activities. It is also recommended that the City leverage GIS to inform the public about water restrictions, advisories, and outages. As part of this, the following applications will need to be deployed:

• Water Conservation Dashboard – Allows operations managers to view progress and results of water conservation field operations and determine additional service shutdown

²⁶ https://route.arcgis.com/arcgis/





information, using a dashboard format. The dashboard provides a map view of water conservation field operations and data extracting info graphics, or widgets. An example is shown below.





• **Public Information Viewer for Water** – Allows the City to disseminate information about watering restrictions to the public including permitted water use and times watering is allowed by service area zone. Additionally, this viewer will display any drinking water advisories and water outages. This application must be made available on the proposed City Open Data site.

MS-E. Garbage, Leaf Pickup, Recycling Service Lookup AppsPriority: Very LowThe City currently allows the public to look up the garbage collection schedule from the City
website. Currently, a google map is generated to show the collection zone and schedule. With the
City intending to invest in GIS, the City will need to standardize on a single platform to improve
efficiency, reduce duplication and provide a consistent experience to end users.





It is therefore recommended that the city replace the current google map that shows garbage service with a version using the ArcGIS platform (the GIS software platform being recommended in this Strategic Plan). The City should take this opportunity to also create similar map-based experiences for the public to look up leaf pick up in recycling services. Since these are public apps they should be made available in the proposed Open Data Portal which is a central site for public GIS apps being proposed as part of the overall organizational recommendations.

The following figure shows an example of an interactive GIS based garbage service lookup app.



FIGURE 40: EXAMPLE GARBAGE SERVICE LOOKUP APP





Police

Overview

The Police Department (PD) at the City of Turlock offers a wide range of services which include crime prevention, investigations, patrolling, traffic safety, animal services, SWAT, and more. The City is divided into five police beat areas that the Police Department operates in.

The PD is a primary catalyst that led to the creation of this Strategic Plan. One of the high profile upcoming projects at the City is the PD's transition to a new CAD/RMS system from TriTech Software Systems²⁷. GIS will be the backbone for the new CAD/RMS system. It is highly critical that any new GIS system has updated and accurate data as well as the necessary processes in place to keep the GIS data regularly maintained. Ideally, the GIS data relevant to CAD dispatch such as addresses and roads needs to be accurate at the City and should be used to feed the CAD system on a periodic basis.

With this priority in mind, the City authorized creating a strategy that would eventually lead to improving the GIS at the City and in turn would meet PD's needs for good GIS data, integration with the new CAD/RMS, and overall coordination and communication related to GIS, at the City.

The following is a review of needs gathered during discussions with the PD. The primary and most urgent issues and gaps are listed below, followed by an interview summary which provides more details and additional needs identified. The interview summary is followed by project recommendations aimed at addressing the issues, needs, and gaps that were discussed.

Key Issues and Gaps:

- Authoritative and accurate base GIS data (addresses, roads and parcels) for integration with the new CAD/RMS system
- Updated GIS datasets specific to PD (beats, RA's, Facility maps, etc.)

Interview Summary

The Police Department (PD) mentioned that the current GIS viewer has limited information available to the Police Department (e.g. parcel information, business license, parolee locations, high crime zones, etc.,) and is not specific to the Police Department staff needs. The Police Department intends to purchase a replacement Computer Aided Dispatching (CAD) system within the next six months. The new CAD system will be highly dependent on GIS for full functionality. A modern viewer with updated and accurate data is needed. Standardized data update workflows are critical. This viewer should include common tools such as printing, sharing maps for discussion, etc., that function efficiently.

²⁷ Now part of Central Square Technologies





Some PD specific data that was mentioned included crime hot spots, crime trends and analysis, etc. Other important datasets include Police Beats and Reporting Areas within each beat. There is also interest in having this data available via mobile apps.

There is value in being able to generate reports where users can select an area or group of parcels and generate an informational report related to their needs. An example would be generating a report that showed all the crime that's occurred at in the last year at a certain location and within a five block radius.

Similar to the Fire Department, this department would like to have access to good facility maps that have enough detail (e.g. entry/exit points, etc.) that allows them to plan incident response and tactical operations.

The department is interested in using mobile app based workflows to collect information in the field.

The department mentioned that they currently use a combination of tools, including several third party products, for performing data analytics and considers it ideal if there was a way to consolidate those resources into one GIS platform.

There is interest in being able to publish public safety related open data and performance metrics as part of a Citywide portal that is geared towards government transparency and open data sharing. Some of the monthly reports provided by the department to the Council could be made available in interactive apps either to the public or to the Council members themselves in a secure way.

The department is interested in being able to link scanned documents to GIS.

The current GIS viewer has not been used for tactical operations and scenario planning because of the lack of department specific data but the department expressed interest in using GIS for such activities.

The department noted a lack of coordination and communication regarding the GIS in general and felt the need to improve the GIS in this regard as well. The department identified the need for a dedicated GIS staff person in a coordinator role at the City. This will be critically necessary with the transition to the replacement CAD system and ensure the CAD data is based on a GIS that is properly maintained and updated regularly. Additionally, the department noted that at least a part time GIS person within the Police department would be beneficial.

Having a central portal that would allow viewing what other departments are doing and accessing GIS viewers and layers of other departments was noted as being useful.





The City has a homegrown AVL system that is used in the dispatch center. The department expressed a desire to be able to see historical AVL data in addition to the current real time data provided by the system.

Data Needs

A summary of the datasets identified as needed by this department is provided in the table below.

Dataset Name	Data Steward	Priority	Notes
PoliceBeats	Police	Very High	Does not exist. Needs to be created
ResponseAreas	Police	Very High	Does not exist. Needs to be created
PerformanceIndicators (Public Safety)	Police	Very High	Does not exist. Needs to be created
HistoricalAVLData	Police	Very High	Does not exist. Needs to be created
Address locations of probationers	Police	High	Does not exist. Needs to be created
Address locations of parolees	Police	High	Does not exist. Needs to be created
Address locations of sex offenders	Police	High	Does not exist. Needs to be created
TacticalOperationPlans	Police	High	Does not exist. Needs to be created
HotSpots	Police	High	Does not exist. Needs to be created
FrequentCalls	Police	High	Does not exist. Needs to be created
Predpol Interface Data	Police	Medium	Needs integration with GIS

TABLE 31: SUMMARY OF DATASETS IDENTIFIED AS NEEDED BY THE POLICE DEPARTMENT

GIS Application or Solution Needs

A summary of the solutions and applications identified as needed by this department includes:

TABLE 32: SUMMARY OF SOLUTIONS AND APPLICATIONS IDENTIFIED AS NEEDED BY THE POLICE DEPARTMENT

GIS App or Solution	Priority
GIS Viewer for Police Department	Very High
GIS to CAD Conversion and Update Workflow	Very High
Public Safety Open Data and Dashboards	High
Apps for Common Operational Picture	Medium





Recommendations

The following are recommended projects focused on enhancing PD workflows using GIS technology. It is recommended that projects follow the methodology described on Page 10.

PL	D-A. Poli	ce Da	ta U	pda	ites						Priority: Varies
		0				 	1.0	a a	1	0	

Availability of good and reliable data is critical for a GIS system. Before any tools and apps are developed, the GIS data that these apps will need must be prepared and updated.

The GIS data needs specific to Police, along with their priority for development is mentioned in the Data Needs table on Page 38. These datasets are anticipated to be created or updated over the course of the implementation timeline of this Strategic Plan. Data development will also include establishment of data maintenance workflows and appropriate metadata information, as standalone tasks or as part of individual projects listed below.

PD-B. Police Department GIS Viewer	Priority: Very High
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It is recommended that the City deploy a GIS web application specifically geared towards meeting the Police Department GIS needs. This application will be a specialized version of the Internal GIS Viewer mentioned in Page 51. It will display layers that are pertinent to the Police Department (see Data Needs table above), along with common basemap data, and reference layers from other departments. This application will be able to consolidate information from various GIS layers, CAD/RMS, Crime Data, and other systems, in a single view. The goal of this application is to allow PD users to obtain a majority of the information they are seeking in as few clicks as possible.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - PD specific GIS data (see Data Needs table)
 - Reference GIS layers from other departments (e.g. Council Districts)
 - Data integrated from other systems (e.g. Crime Data)
 - Document links (from RMS, OnBase, and/or other)
- Ability to generate reports
- Ability to apply queries and filters on datasets
- Ability to perform spatial analysis (e.g. buffer, summarize, hot spot analysis, near analysis, clip, extract, overlay, etc.)
- Ability to redline and submit data corrections
- Responsive web application that is accessible in the field using mobile devices

The following figure shows an example of an interactive GIS based web application for Police.







FIGURE 41: EXAMPLE POLICE DEPARTMENT GIS VIEWER

PD-C. Public Safety Open Data and Dashboards

Priority: High

The PD provides monthly staff reports to the City Council that include statistics of various kinds such as calls for service, burglaries, arrests, etc. One of the organization level recommendations being made in this Strategic Plan is for the City to publish Open Data and Performance Metrics via Dashboards on a central hub that is accessible via the City's website. This is based on an overall strategy to transform organizational workflows to become more GIS centric, as well as improve government transparency. The advantage of GIS centric workflows is two part;– a) Extract maximum value from the City's GIS investment, and b) Leverage the spatial aspect of information the City almost always creates as part of day-to-day activities.

As part of the above, it is recommended the PD publish -

- Public Safety related Open Datasets (e.g. Beats, Crime Data, etc.) on the proposed Open Data Portal
- Publish dashboard applications that provide information within monthly and annual reports in a dynamic and interactive format, to the proposed Open Data Portal (a central hub on the City website that displays performance metrics and other publically accessible apps that use GIS data as a source).

The figure below illustrates a dashboard app with performance indicators.





FIGURE 42: EXAMPLE PUBLIC SAFETY OPEN DATA DASHBOARD APP



PD-D	Applications for a Common Operational Picture	Priority: Medium
	producions for a common operational frequite	1 Hority i Hicului

GIS not only plays a critical role for dispatch systems, but is a central tool for public safety and emergency management operations and is used during incidents and events for situational awareness, operations planning, and understanding incident status.

It is recommended that PD leverage their GIS investment and GIS data produced during the implementation of this Strategic plan and deploy a suite of applications that together can be used to provide a Common Operational Picture during incidents and events.

These include:

• Situational Awareness Viewer – Display various layers to understand location of public infrastructure, distribution of human population within large areas or facilities, active incidents and warnings, at any given time. An example is shown below.





FIGURE 43: EXAMPLE SITUATIONAL AWARENESS VIEWER

• **Tactical Operations Planner** – For use by command staff to create tactical operation plans for incidents such as active shooter, barricaded gunmen, or other high-risk operations. An example is shown below.

FIGURE 44: EXAMPLE TACTICAL OPERATIONS PLANNER







• **Incident Status Dashboard** – For use in the Emergency Operations Center to monitor response activities and measure progress toward incident objectives. An example is shown below.



FIGURE 45: EXAMPLE STATUS DASHBOARD

• **Public Information Viewer** – For use by general public to review authoritative incident information and evacuation notices. An example is shown below.

FIGURE 46: EXAMPLE PUBLIC INFORMATION VIEWER







Fire and Neighborhood Services

Overview

The Fire and Neighborhood Services Divisions are part of the Public Safety Department. The Turlock Fire Department (TFD) is the fire/emergency service provider for the City, and is comprised of an operations division, a prevention division, and a training division, which are based out of 4 fire stations. The Fire Department also provides emergency services for high-hazard occupancy facilities such as CSU Stanislaus, the hospital, and commercial processing facilities. Neighborhood Services is mainly concerned with code enforcement in the City.

Both these divisions were interviewed together. The primary and most urgent issues and gaps are listed below, followed by an interview summary which reports more details and additional needs identified. The interview summary is followed by project recommendations aimed at addressing the issues, needs, and gaps that were discussed.

Key Issues and Gaps:

- Updated basemap data (parcels, addresses, roads)
- Accurate and up to date data specific to Fire and Neighborhood Services (see Data Needs table), and reference layers from other departments
- Integration of GIS with Zoll RMS and New World

Interview Summary

The divisions mainly use the existing Mapguide viewer for data lookup such as finding hydrants, addresses etc. They noted that existing data in the GIS viewer is not being updated regularly. Any new system must be built with accurate data and with streamlined workflows that reduce turnaround time for updates. A lot of data that is currently not on the GIS needs to be added such as target hazards, exits, firewall ratings, sprinkler system connections, etc. This would be helpful for staff to pull up during inspections. The department is anticipating being able to use mobile apps to do inspections and review/update inventory once the new Zoll RMS system (slated to be implemented over the next 18 months) is in place.

Currently, the inspections workflow consists of an email list of addresses that is sent by Building and Planning out of New World for Fire staff to conduct inspections. When inspections are complete the filled out paper forms are sent to Fire Prevention and stored in a physical folder. Ideally, if there can be a workflow or integration between New World and Zoll RMS, this process can be streamlined to be more efficient. The list of addresses to be inspected can come from New World and Zoll RMS will schedule out the inspections based on various criteria. GIS could be used to provide the mapping component of this workflow, that shows addresses to be inspected and status as inspections progress. When an inspection is complete, business license staff would need to know this information.





One area of interest is for staff to be able to redline and comment on maps for sharing and collaboration purposes. Generation of reports from the viewer was also considered to be useful.

Improving existing facility maps is a high priority for the department. Pre-incident plans need to be improved with more data. An example given was adding locations of risers. Every fire engine has a hard copy map book with site plans of various facilities. But these don't really get updated. The department desires a way to pull this information up in mobile devices and view the information interactively once all the data has been updated.

The Fire Department expressed interest in being able to deploy advanced location based systems such as being able to track firemen location within buildings and building complexes in real-time.

The ability to pull up linked documents (e.g. facility plans, inspection reports, etc.) in the GIS is important. The department noted that workflows should be streamlined so scanning takes place in a regular manner.

The department feels that GIS is critical for public safety and must be prioritized in the City for updating and regular upkeep.

The department sees value in being able to create an app or dashboard that is accessible to Council members to view various statistics of what is happening in their district. This could include information in the monthly report that is presented by the department to the Council such as number of accidents in a district, fires, abandoned vehicle reports and other violations (from New World), etc.

The Neighborhood Services division mentioned that the most common issue for them with the current viewer is that the assessor parcel data is at least 3 months behind. Additionally, the addresses are not up to date and that causes issues.

The division expressed interest in being able to use mobile apps to lookup addresses, find related ownership info, and access aerial views to see property lines, etc.

A map that shows threat level such as a home that is frequently visited by the police would be very helpful for code enforcement officers to plan their inspection. The GIS viewer should also display information such as where are the most cases of abandoned vehicles and such analysis. The department currently creates reports based on this information and it would be beneficial to use the GIS to create these reports.

Data Needs

A summary of the datasets identified as needed by this department is provided in the table below.





TABLE 33: SUMMARY OF DATASETS IDENTIFIED AS NEEDED BY FIRE AND NEIGHBORHOOD SERVICES

Dataset Name	Data Steward	Priority	Notes
Homelessness (Inventory - Sightings,	Neighborhood	Very High	Does not exist.
Health Facilities, Shelters)	Services		Needs to be created
Detailed Pre-Incident Facility Maps	Fire	High	Needs updates
Facility Assets	Fire	High	Needs updates
Facility Entry/Exits	Fire	High	Does not exist, needs to be created
Target Hazards	Fire	Medium	Does not exist, needs to be created
Firewall Ratings	Fire	Medium	Does not exist, needs to be created
Sprinkler System Connections	Fire	Medium	Does not exist, needs to be created
Risers	Fire	Medium	Does not exist, needs to be created
Drug Activity Reporter	Neighborhood Services	Medium	Does not exist. Needs to be created
OpioidIncidents	Neighborhood Services	Medium	Does not exist. Needs to be created
Property Threat Level	Neighborhood Services	Medium	Does not exist, needs to be created

GIS Application or Solution Needs

A summary of the solutions and applications identified as needed by this department includes:

TABLE 34: SUMMARY OF SOLUTIONS AND APPLICATIONS IDENTIFIED AS NEEDED BY FIRE AND NEIGHBORHOOD SERVICES

GIS App or Solution	Priority
GIS Viewer for Fire Services	Medium
GIS Viewer for Neighborhood Services	Medium
Neighborhood Services Open Data and Dashboards	Medium
Digital Fire Run Maps	Low
Standard Workflow or Integration between New World, Zoll, and GIS	Low
Fire Services Open Data and Dashboards	Very Low

Recommendations

The following are recommended projects focused on enhancing Fire and Neighborhood Services workflows using GIS technology. It is recommended that projects follow the methodology described on Page 10.

FS-A. Fire and Neighborhood Services Data UpdatesPriority: VariesAvailability of good and reliable data is critical for a GIS system. Before any tools and apps are
developed, the GIS data that these apps will need must be prepared and updated.





The GIS data needs specific to Fire and Neighborhood Services, along with their priority for development is mentioned in the Data Needs table on Page 38. These datasets are anticipated to be created or updated over the course of the implementation timeline of this Strategic Plan. Data development will also include establishment of data maintenance workflows and appropriate metadata information, as standalone tasks or as part of individual projects listed below.

FS-B. Fire Services GIS Viewer

Priority: Medium

Fire services needs quick and easy access to GIS information specific to their division (e.g. hydrants), as well as reference layers (e.g. addresses). This saves time and effort when performing daily or periodic activities such as inspections, locating assets within large facilities, and reviewing inventory.

It is therefore recommended that the City deploy a GIS web application specifically geared towards meeting Fire Services GIS needs. This application will be a specialized version of the Internal GIS Viewer mentioned in Page 51. It will display layers that are pertinent to Fire Services (see Data Needs table above), along with common basemap data, and reference layers from other departments. This application will be able to consolidate information from various GIS layers in a single view. The goal of this application is to allow Fire Services users to obtain a majority of the information they are seeking in as few clicks as possible.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - TFD specific GIS data (see Data Needs table)
 - Reference GIS layers from other departments
 - Data integrated from Zoll RMS
 - Data integrated from New World
 - Document links (from Onbase or other)
 - Real-time call routing information from CAD
- Ability to generate reports
- Ability to apply queries and filters on datasets
- Ability to perform spatial analysis (e.g. buffer, summarize, hot spot analysis, near analysis, clip, extract, overlay, etc.)
- Ability to redline and submit data corrections
- Responsive web application that is accessible in the field using mobile devices

FS-C. Neighborhood Services GIS Viewer Priority: Medium

Neighborhood Services needs quick and easy access to GIS information specific to their division (e.g. property threat level), as well as reference layers (e.g. lot lines). This saves time and effort when performing daily or periodic activities such as code inspections, investigations, and more.





It is therefore recommended that the City deploy a GIS web application specifically geared towards meeting Neighborhood Services GIS needs. This application will display layers that are pertinent to Neighborhood Services (see Data Needs table above), along with common basemap data, and reference layers from other departments. This application will be able to consolidate information from various GIS layers in a single view. The goal of this application is to allow Neighborhood Services users to obtain a majority of the information they are seeking in as few clicks as possible.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - Neighborhood Services specific GIS data (see Data Needs table)
 - Reference GIS layers from other departments
 - o Data integrated from New World
 - Document links (from Onbase or other)
- Ability to generate reports
- Ability to apply queries and filters on datasets
- Ability to redline and submit data corrections
- Responsive web application that is accessible in the field using mobile devices

FS-D. Neighborhood Services Open Data and Dashboards	Priority: Medium		
Neighborhood Services provides regular reports and publishes variation	ious data and statistics of		
various kinds such as calls by district, violations, etc., to the City Council and City Manager. Of			
late, code violation reports are being frequently requested from Neight	oorhood Services.		

It is therefore recommended that the City publish dashboard applications that provide information within code enforcement related reports and various data and statistics in a dynamic and interactive format, to the proposed Open Data Portal (a central hub on the City website that displays performance metrics and other publically accessible apps that use GIS data as a source). This dashboard can be used by both the Council members and the public to view key code enforcement related information.

The figure below illustrates a dashboard app²⁸ with code enforcement information.

²⁸ https://www.arcgis.com/apps/opsdashboard/index.html#/4ef19fcdf43c468faa3351d74d701e68





FIGURE 47: EXAMPLE NEIGHBORHOOD SERVICES DASHBOARD APP WITH CODE ENFORCEMENT INFORMATION



FS-E. Digital Fire Run Maps Priority: Low

TFD currently uses paper based runbooks within fire trucks. These are not updated often and as such the data is outdated. Fire response is a critical service in the City and it must be ensured that firemen have the latest and most accurate information at their fingertips. Paper based runbooks can still be used but a digital alternative that provides real time information and flexibility in usage is crucial.

It is therefore recommended that the City deploy digital versions of Fire runbooks that can be accessed via mobile devices such as phones and tables in the field. The digital runbooks can also be made to run in disconnected mode. Workflows to keep data in these digital runbooks must be established. Some of this data has been identified in the Data Needs table above but additional data needs may be explored at the time of initiating this project. The firemen can eventually replace paper based run maps with the digital versions that are kept updated by workflows established.





The advantages of digital versions of fire run maps are;- a) such apps offer greater flexibility and speed in searching for facilities or assets, and pull up information from other integrated systems, b) ability to redline and markup maps for collaboration or to identify data corrections/updates needed, and c) ability to share incident plans in real time during emergency events.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - TFD specific GIS data (e.g. fire grid and run map pages. Also see Data Needs table)
 - Reference GIS layers from other departments
 - Data integrated from Zoll RMS (e.g. recent inspections)
 - Document links (from Onbase or other)
 - \circ $\,$ Real-time call routing information from CAD $\,$
- Ability to apply queries and filters on datasets
- Ability to perform spatial analysis (e.g. buffer, summarize, hot spot analysis, near analysis, clip, extract, overlay, etc.)
- Ability to redline and submit data corrections
- Responsive web application that is accessible in the field using mobile devices

The following figure shows an example of an interactive GIS based Fire Run Map web application for TFD.

FIGURE 48: EXAMPLE FIRE RUB MAP WEB APPLICATION FOR TFD







FS-F. Fire Department Open Data and Dashboards

Priority: Very Low

TFD provides annual reports and publishes various data and statistics of various kinds such as calls by district, response time statistics, incident type statistics, etc. One of the organization level recommendations being made in this Strategic Plan is for the City to publish Open Data and Performance Metrics via Dashboards on a central hub that is accessible via the City's website. This is based on an overall strategy to transform organizational workflows to become more GIS centric, as well as improve government transparency. The advantage of GIS centric workflows is two part;– a) Extract maximum value from the City's GIS investment, and b) Leverage the spatial aspect of information the City almost always creates as part of day-to-day activities.

It is therefore recommended that TFD publish dashboard applications that provide information within monthly and annual reports and various data and statistics in a dynamic and interactive format, to the proposed Open Data Portal (a central hub on the City website that displays performance metrics and other publically accessible apps that use GIS data as a source).

The figure below illustrates a dashboard app²⁹ with performance indicators.

FIGURE 49: EXAMPLE DASHBOARD APP WITH PERFORMANCE INDICATORS



²⁹ http://performance-statelocaltryit.hub.arcgis.com/pages/public-safety





Parks, Recreation and Public Facilities

Overview

The Parks, Recreation and Public Facilities Department (PRD) are responsible for the maintenance of parks, rights of way, sports fields and public buildings. The department also administers various recreational programs aquatics, after-school programs and sports programs.

The primary and most urgent issues and gaps are listed below, followed by an interview summary which reports more details and additional needs identified. The interview summary is followed by project recommendations aimed at addressing the issues, needs, and gaps that were discussed.

Key Issues and Gaps:

- Updated basemap data (parcels, addresses, roads)
- Accurate and up to date data specific to Parks, Recreation and Public Facilities (see Data Needs table), and reference layers from other departments
- Lack of GIS resource(s) that update datasets, and provide GIS coordination, management and communication
- View linked documents in GIS
- GIS integration with New World
- Public Park viewers with robust amenity information

Interview Summary

One of the main issues faced by PRD is updated and accurate data in the current Mapguide GIS viewer. Important data relevant to the department such as signs, streets, functions of buildings, backflows, controllers, facility maps, etc., are not available. This is a primary reason why the department staffdo not use the GIS viewer much. It is only used for looking up property information and when sending out notifications as part of sidewalk repairs and street tree maintenance.

Any new GIS should provide accurate data and useful tools such as printing, sharing notes, map, etc. Also quite important is the ability to search for information such as by asset ID, facility name, facility floor number, park name, etc. The ability use GIS indoors would also be quite helpful. The necessary data maintenance workflows to keep the data updated and avoid backlogs are important. The basemap data should also be updated and accurate. The department mentioned the need for a GIS resource that would be able to coordinate data updates and GIS maintenance.

Another key need is the ability to link to a document management system via GIS. This helps the crews retrieve facility maps and plans associated with a GIS feature. The City currently uses OnBase to view this information via GIS is needed. Additionally, GIS should be integrated with New World to be able to view Tree Permit information in the GIS.





For the public, the department would like to be able to display road closures and special events on a map. Any maps that would drive public interest and park usage (e.g. Story Maps, Park Viewers) would be useful to the department. The public parks maps should have a lot of good details such as amenities, play grounds, ball fields, etc., have good cartography and be clear. Additionally, public park viewers should provide the ability to search and locate a Park, provide directions to a park, lookup amenities, events scheduled, and book and reserve spots.

The department is interested in using a map interface to create work orders. They currently use Mobile MMS but the data does not overlay accurately over the Google basemap. A lot of missing data needs to be available for the work orders.

The department is also interested in using dashboards to track status of workorders and projects and also provide weekly and monthly updates to the City Council.

The department feels that it would be good to integrate GIS and Community Pass which is a recreation management system. The department is looking to begin using the system for facility reservation in a year or so and GIS integration would be useful.

Understanding status of projects at other departments would be helpful in coordinating department tasks. A platform that helps share maps and collaborate on projects would be useful.

Data Needs

A summary of the datasets identified as needed by this department is provided in the table below.

Dataset Name	Data Steward	Priority	Notes
StreetSigns	Parks and Rec	Very	Does not exist.
		High	Needs to be created
ParkRecreationFacilities	Parks and Rec	High	Does not exist.
			Needs to be created
ParkAmenities	Parks and Rec	High	Does not exist.
			Needs to be created
Trails	Parks and Rec	High	Does not exist.
			Needs to be created
Trees	Parks and Rec	High	Does not exist.
			Needs to be created
PavementCondition	Parks and Rec	High	Does not exist.
			Needs to be created
ParkMaintenanceHistory	Parks and Rec	High	Does not exist.
			Needs to be created
Backflows	Parks and Rec	High	Does not exist.
			Needs to be created
Controllers	Parks and Rec	High	Does not exist.
			Needs to be created

TABLE 35: SUMMARY OF DATASETS IDENTIFIED AS NEEDED BY PRD





Dataset Name	Data Steward	Priority	Notes
ParkBoundary	Parks and Rec	High	Does not exist. Needs to be created
Building Details (hvac, alarm, AED, Fire Ext, etc)	Parks and Rec	High	Does not exist. Needs to be created
Median/LandscapedArea	Parks and Rec	Medium	Does not exist. Needs to be created
Streetlights	Parks and Rec	Medium	Does not exist. Needs to be created
StreetPavement	Parks and Rec	Medium	Does not exist. Needs to be created
LeafPickup	Parks and Rec	Medium	Does not exist. Needs to be created
Irrigation Clocks	Parks and Rec	Medium	Does not exist. Needs to be created
Water Turn Offs	Parks and Rec	Medium	Does not exist. Needs to be created
Assessment Districts	Parks and Rec	Medium	Needs updates
Assessment Walls	Parks and Rec	Medium	Does not exist. Needs to be created
Floor Plans for Buildings	Parks and Rec	Medium	Does not exist. Needs to be created
Emergency exits	Parks and Rec	Medium	Does not exist. Needs to be created
Evacuation details	Parks and Rec	Medium	Does not exist. Needs to be created
Roof Access	Parks and Rec	Medium	Does not exist. Needs to be created
Irrigation valves	Parks and Rec	Medium	Does not exist. Needs to be created
Road Closures	Traffic	Low	Does not exist. Needs to be created
Park Events	Parks and Rec	Low	Does not exist. Needs to be created
Painting Stops/Legends	Parks and Rec	Low	Does not exist. Needs to be created
ParkingPayStation	Parks and Rec	Low	Does not exist. Needs to be created

GIS Application or Solution Needs

A summary of the solutions and applications identified as needed by this department includes:





TABLE 36: SUMMARY OF SOLUTIONS AND APPLICATIONS IDENTIFIED AS NEEDED BY PRD

GIS App or Solution	Priority
Parks, Recreation and Public Facilities GIS Viewer	High
Public Park Finder	Medium
Parks Open Data and Dashboards	Very Low

Recommendations

The following are recommended projects focused on enhancing Parks, Recreation and Public Facilities Department workflows using GIS technology. It is recommended that projects follow the methodology described on Page 10.

PR-A. Parks, Recreation and Public Facility Data Updates	Priority: Varies		
Availability of good and reliable data is critical for a GIS system. Before any tools and apps an			
developed, the GIS data that these apps will need must be prepared and updated.			

The GIS data needs specific to PRD, along with their priority for development is mentioned in the Data Needs table on Page 38. These datasets are anticipated to be created or updated over the course of the implementation timeline of this Strategic Plan. Data development will also include establishment of data maintenance workflows and appropriate metadata information, as standalone tasks or as part of individual projects listed below.

PR-B. Parks, Recreation and Public Facilities GIS Viewer	Priority: High	
PRD needs quick and easy access to GIS information specific to their division (e.g. backflows,		
controllers, etc.), as well as reference layers (e.g. addresses). This saves time and effort when		
performing daily or periodic activities such as maintenance, loca	ating assets within public	
facilities, and tracking history.		

It is therefore recommended that the City deploy a GIS web application specifically geared towards meeting PRD needs. This application will be a specialized version of the Internal GIS Viewer mentioned in Page 51. It will display layers that are pertinent to PRD (see Data Needs table above), along with common basemap data, and reference layers from other departments. This application will be able to consolidate information from various GIS layers, and other systems such as OnBase, in a single view. The goal of the viewer is to allow users to obtain a majority of the information they are seeking in as few clicks as possible.

Preliminary requirements identified during the interviews include:

- A single view that consolidates the following groups of information:
 - Accurate and updated basemap information (parcels, addresses, and roads)
 - PRD specific GIS data (see Data Needs table)
 - Reference GIS layers from other departments
 - Data integrated from New World (for Tree Permits)
 - Document links (from Onbase or other)





- Ability to apply queries and filters on datasets (e.g. search by asset ID, facility floor number, etc.)
- Ability to perform spatial analysis (e.g. buffer, summarize, overlay, etc.)
- Ability to redline and submit data corrections
- Ability to print and share notes
- Responsive web application that is accessible in the field using mobile devices

The following figure shows an example of an interactive GIS based web application for PRD.

FIGURE 50: EXAMPLE PARKS, RECREATION AND PUBLIC FACILITIES GIS VIEWER

PARD Interactive Map thereby, IT Gas 0 = 0 Ð 3 30 FMID Fadility Points (ford) PARD Facility Polem ATTET HOM TO 124-5001 NETWORK **Dillet Merci Ferb** Greet Lawn: Volleyibell Court 1 7307 Lou Heff Rot, Austor Texas 78742 APARD Amenity Point 0 CITY M LIGHT CORE -VEAR BURG NAID Public Trails S FARD Public Talls 0 Sand Court: No Lights ADDET SURFACE OF DESIGN USE comare 0 æ Ð . C

PR-C. Public Park Locator and Park Map Tour Apps	Priority: Medium
The City has over 20 parks including water spray parks, dog parks, and a bike park. In addition,	
the City accepts reservations for park area rentals, as well as two large sports fields. Because of	
the amount of facilities available, PRD staff mentioned the need to provide better details about	
park amenities for the public to lookup. GIS maps are a great way to help the public visualize,	
query, and find a wide variety of park related information. In addition, interactive maps with	
good information can help drive interest and usage.	





It is therefore recommended that the City deploy a public facing Park Locator GIS application that will allow the public to look up park amenities such as play grounds, ball fields, etc., including park timings, scheduled events, and book and reserve spots. In addition, it is recommended the City deploy Park Map Tours that showcase the City Parks with greater detail and highlight their uniqueness, history and vibrancy. The Park Map Tours should be hyperlinked from the Park Locator app so that users can explore each park in greater detail after obtaining preliminary information from the Park Locator.

Preliminary requirements identified during the interviews include:

- Clear cartography that shows locations of amenities
- Data integrated from Community Pass
- Ability to search and locate a park or amenity
- Ability to get directions to the park
- Ability to view events
- Ability to book/reserve spots

The following figure shows an example of an interactive Park Locator for the Public.



FIGURE 51: EXAMPLE PARK LOCATOR FOR THE PUBLIC





The following figure shows an example of an interactive Park Map Tour.

FIGURE 52: EXAMPLE INTERACTIVE PARK MAP TOUR



The above public apps should be made available on the proposed Open Data Portal that is being recommended as part of the overall organization wide recommendations.

PR-D. Parks Open Data and Dashboards

Priority: Very Low

PRD provides monthly staff reports to the City Council that include statistics and status updates of various kinds. One of the organization level recommendations being made in this Strategic Plan is for the City to publish Open Data and Performance Metrics via Dashboards on a central hub that is accessible via the City's website. This is based on an overall strategy to transform organizational workflows to become more GIS centric, as well as improve government




transparency. The advantage of GIS centric workflows is two part;– a) Extract maximum value from the City's GIS investment, and b) Leverage the spatial aspect of information the City almost always creates as part of day-to-day activities.

It is therefore recommended that PRD publish -

- PRD related Open Datasets (e.g. Park Boundaries, Park Service Metrics etc.) on the proposed Open Data Portal
- Publish dashboard applications that provide information within monthly and annual reports in a dynamic and interactive format, to the proposed Open Data Portal (a central hub on the City website that displays performance metrics and other publically accessible apps that use GIS data as a source).

The figure below illustrates a dashboard app with performance indicators.

FIGURE 53: EXAMPLE DASHBOARD APP WITH PERFORMANCE INDICATORS







Conclusion

Department specific data, app and solution development will enhance the way the City operates at a core level. This is one of the great benefits of a GIS system (location intelligence platform). Questions can be answered faster, stakeholders can be served better, and intelligence from business data previously not available can be at the fingertips of users.

The following Section lays out a timeline and estimated costs for recommendations made thus far which the City can use as a guide for implementing the GIS system.





SECTION IV: IMPLEMENTATION PLAN



Timeline and Estimated Costs

The following is the five-year Implementation Plan for the City of Turlock to put into effect the recommendations outlined in Sections II and III of this Strategic Plan. The Implementation Plan is essentially, a timeline of prioritized projects that acts as a roadmap for the City to meet its goals and objectives. Each year of the plan is anticipated to follow the City's fiscal year duration. Higher priority projects are scheduled in the earlier phases of the plan.

Annual costs are based on VESTRA recommendations for both resources and software that are anticipated to provide the best and optimal option for implementing an Enterprise GIS and meet the needs of the various departments (i.e., Resource Option A on Page 14, and Software Option B on Page 25).

A comparison of costs over 5 years if other recommended options are chosen, are also provided.





FIGURE 54: FIVE-YEAR IMPLEMENTATION PLAN AND TIMELINE AND ESTIMATED COSTS

	RECOMMENDATION/PROJECT	YEAR 1	YEAR2	YEAR 3	YEAR 4	YEAR 5	5 YEAR TOTALS
ORGANIZA	TION AND STRUCTURE						
GV-A	Form a GIS Advisory Committee						
GV-B	Establish as Standard GIS Project Methodology						
GV-C	Create a GIS User Group						
ST-A	Add GIS Resources						
ST-B	Centralize GIS with IT						
FN-A	Develop a GIS Funding Plan						
FN-B	Establish GIS Service Fees						
TECHNOLO	DGY						
IT-A	Procure the ArcGIS Enterprise Platform						
IT-B	Implement the ArcGIS Enterprise Platform						
IT-C	Perform GIS Integrations						
	GIS Integration with CAD Dispatch						
	GIS Integration with New World						
	GIS Integration with OnBase						
	GIS Integration with Mobile MMS						
	GIS Integration with CCTV System						
	GIS Integration with Park Reservations						
	GIS Integration with AVL System						
	GIS Integration with Zoll RMS						
DATA AND	WORKFLOWS						
DA-A	Create Authoritative GIS Datasets						
	ED-A Economic Development Data Updates						
	CD-A Planning and Building Data Updates						
	PW-A Engineering and CIP Data Updates						
	TT-A Transit and Traffic Data Updates						
	MS-A Municipal Services Data Updates						
	PD-A Police Data Updates						
	FS-A Fire and Neighborhood Services Data Updates						
	FS-A Parks, Recreation and Public Facilities Data Updates						
	Establish Standard Basemap Layer Publishing Workflows						
DA-C	Establish Standard Operational Layer Update Workflows						

(Table continues below)





	RECOMMENDATION/PROJECT	YEAR 1	YEAR2	YEAR 3	YEAR 4	YEAR 5	5 YEAR TOTAL
PS AND	APPS						
MA-A	Deploy Internal GIS Viewer						
MA-B	Deploy Public Maps and Apps						
MA-B	Deploy Open Data Portal						
MA-D	Deploy Department Focused Maps and Apps						
	APPS AND SOLUTIONS FOR PLANNING AND BUILDING						
	CD-B Planning Department GIS Viewer						
	CD-C Permit Status Lookup						
	CD-D Planning Information Viewer						
	CD-E Public Comment Application						
	CD-F Development Opportunities Viewer						
APPS AND SOLUTIONS FOR ECONOMIC DEVELOPMENT AND HOUSING							
	ED-B Economic Development GIS Viewer						
	ED-C Investable Properties Story Map						
	ED-D Community Strength App						
	ED-E Economic Development Open Data and Dashboards						
APPS AND SOLUTIONS FOR ENGINEERING AND CIP							
	PW-B Engineering GIS Viewer						
	PW-C Capital Projects Dashboard						
	PW-D Public Capital Projects Viewer						
	PW-E Public Pavement Moratorium Viewer						
	PW-F Public Road Closures App						
	PW-G Citizen Problem Reporter Solution						
	APPS AND SOLUTIONS FOR TRANSIT AND TRAFFIC	-					
·	TT-B GTFS To GIS Conversion Workflow						
	TT-C Traffic and Transit GIS Viewer						
·	TT-D Public Transit Viewer						

(Table continues below)





	RECO	MMENDATION/PROJECT	YEAR 1	YEAR2	YEAR 3	YEAR 4	YEAR 5	5 YEAR TOTALS
	APPS /	AND SOLUTIONS FOR MUNICIPAL SERVICES						
	MS-B	Municipal Services GIS Viewer						
	MS-C	Water Shutoff Routing App						
	MS-D	Water Conservation and Outreach Apps						
	MS-E	Garbage, Leaf Pickup, Recycling Service Lookup Apps						
	APPS AND SOLUTIONS FOR POLICE							
	PD-B	Police Department GIS Viewer						
	PD-C	Public Safety Open Data and Dashboards						
	PD-D	Apps for Common Operational Picture						
	APPS	AND SOLUTIONS FOR FIRE AND NEIGHBORHOOD SERVICES					-	
	FS-B	Fire Services GIS Viewer						
	FS-C	Neighborhood Services GIS Viewer						
	FS-D	Neighborhood Services Open Data and Dashboards						
	FS-E	Digital Fire Run Maps						
	FS-F	Fire Department Open Data and Dashboards						
	APPS AND SOLUTIONS FOR PARKS, RECREATION AND PUBLIC FACILITIES							
	PR-B	Parks, Recreation and Public Facilities GIS Viewer						
	PR-C	Public Park Locator and Park Map Tour Apps						
	PR-D	Parks Open Data and Dashboards						
		Total Estimated GIS Resource Costs						
		(using Resource Option A, per recommendation on Page 14)	\$100,000	\$100,000	\$100,000	\$100,000	\$100,000	\$500,000
		Total Estimated Software Costs						
`		(using Software Option B, per recommendation on Page 25)	\$36,500	\$10,500	\$10,500	\$10,500	\$10,500	\$78,500
		ALL COSTS	\$136,500	\$110,500	\$110,500	\$110,500	\$110,500	\$578,500

 TABLE 37: FIVE YEAR COST COMPARISON OF ALTERNATIVE SOFTWARE AND RESOURCE OPTIONS PROVIDED IN STAFFING AND TECHNOLOGY

 RECOMMENDATION SECTIONS

Resource Option A: \$500,000	Resource Option B: \$1,092,500	Resource Option C: \$1,525,000
Software Option A: \$61,000	Software Option B: \$78,500	Software Option C: \$205,000





SWOT Analysis

FIGURE 55: SWOT ANALYSIS



Strengths

The existing City Manager recognizes the importance of a GIS and understands the value it can bring as a core business capability. Executive level support can help remove potential barriers or delays in implementation and ensure motivation and support remains high throughout the implementation.

Weaknesses

GIS resources are crucial to support all the changes and projects proposed in this plan, and beyond. Without GIS resources, the investment in GIS technology can become fruitless.

Opportunities

Maps and apps are the primary way staff will use GIS and leverage the City's investment in this technology. The opportunity exists to create internal and public maps, apps and solutions that provide true value to a wide variety of stakeholders.

Maps and apps will be unused without the right data and the right workflows to keep that data up to date. The City has the opportunity to standardize their workflows and keep things running like a well-oiled machine.





The proposals and recommendations in this plan, if executed well, provide an opportunity to implement GIS as a core business capability which essentially modernizes the way the City functions. Location intelligence can help the City achieve digital transformation.

Threats

The proposals in this plan must be implemented immediately without delays to keep momentum going and to keep users engaged. Any inaction or delays must be mitigated early.

GIS resources must be hired immediately to begin dedicating time toward proposed GIS projects. Otherwise, there is a risk of not meeting the Plans goals in an efficient and timely manner.

The GIS advisory committee must also be setup immediately to begin creating the framework within which the GIS functions and roles and responsibilities remain clear.

Other departmental workflows should also be tightened per overall IT governance. For example, if documents are not scanned into OnBase on a regular basis, GIS linked document capability will suffer, and there is a danger of users feeling the system is not reliable.

Implementation Plan Conclusion

The City of Turlock is at an important juncture in its history where they can truly improve workflows and gain efficiencies by using a crucial technology such as GIS at the very core of their operations. The projects detailed in the implementation plan are anticipated to lead the City toward this and overall stated goals of the plan. The City must ensure they mitigate risks identified and resolve to meet their goals to realize the full benefits of the GIS platform.





APPENDIX A



If the City chooses either Resource Option B or C, they may refer to the below job descriptions to fill the FTE positions.

GIS Coordinator Job Description

Under limited supervision, provides GIS leadership by coordinating activities and providing oversight for GIS activities for all City Departments. The GIS Coordinator role is responsible for providing technical expertise and supervision of day-to-day implementation and operation of the GIS in alignment with organizational objectives. The GIS Coordinator is responsible for coordinating GIS activities, working with and coordinating the work of GIS vendors, planning and organizing system development, and other GIS management activities.

Responsibilities

- Manages resources of GIS and confers and coordinates with user organizations and GIS personnel to determine user needs.
- Oversees and provides technical guidance regarding activity associated with implementation, operation, and enhancement of the GIS program.
- Assists in the design, development, maintenance and implementation of the organization's GIS web mapping applications
- Automates manual GIS processes using geoprocessing models, Model Builder, and Python scripting
- Consults with city departments regarding departmental GIS needs and requirements; including identifying, designing, and developing GIS applications
- Develop, edit and maintain geospatial datasets and databases.
- Designs data extraction, transformation and loading (ETL) automation workflows using a variety of tools and programming languages.
- Administers Enterprise GIS System infrastructure and databases
- Develops new GIS databases, maintains and updates current data, generates maps, tables, and queries and maintains base maps.
- Coordinates GIS development with outside agencies
- Designs and develops computer GIS applications in support of City and departmental goals; consults with department managers in utilizing specialized functions in the GIS program to achieve departmental goals.
- Assures that GIS projects meet objectives by planning all project phases; works with user departments to develop project objectives and scope of work; analyzes progress of GIS projects; recommends and coordinates corrective actions; reports on performance and status of GIS projects.
- Coordinates GIS efforts throughout the City in conjunction with GIS Advisory Committee; integrates GIS data development processes between departments; develops



and manages programs to provide GIS resources to departments; manages central GIS data repository including organization, maintenance, and quality control.

- Represents the city at various meetings of neighborhood organizations, technical organizations, and interagency projects and organizations as needed in conjunction with GIS.
- Serves as a technical resource to city departments, including providing assistance and training in the use of GIS data and systems, troubleshooting, and providing support for GIS software, databases, and other related applications.
- Monitors trends in GIS technology and recommends planning and operating improvements. Attend and participate in professional group meetings, seminars and trainings in order to stay abreast of new trends and innovations in the field of geographic information systems technology.

Requirements

- Possess a Bachelor's degree (preferably Masters) in Geography, Information Management, Computer Science or a related field with emphasis in GIS
- Two years of experience in GIS administration and maintenance. Any satisfactory equivalent combination of experience and training which ensures the ability to perform the work may be substituted for the required experience.
- Proficiency with the ESRI software suite (version 10 and newer), including ArcGIS Desktop, ArcGIS Online, ArcGIS Enterprise and Portal, and implementing GIS web applications.
- Proficiency with automating process using common GIS analysis tools, including Model Builder or Python scripting





GIS Technician Job Description

The GIS Technician is responsible for a variety of routine and complex professional GIS assignments in maintaining the accuracy and quality of the City's Enterprise Geodatabase information. Additionally, the GIS Technician also provides products, services and end-user training to support a wide variety of City functions, processes and analytical requirements. The GIS Technician must integrate GIS theories, principles, software and data to produce custom and standard maps, data displays and other products to meet end-user requirements. The GIS Technicians designs, develops and maintains specialized spatial datasets and layers within the City's geodatabase or in separate project file based geodatabases to support these functions.

Responsibilities

- Perform GIS data capturing, data conversion, and data entry work using ESRI ArcGIS software
- Maintain integrity of the geodatabase using quality control procedures
- Upload data into City's geodatabase from internal and external sources
- Visually audit uploaded information for errors or inconsistency
- Input information into the GIS geodatabase from As-built plans and information provided by contractors and consultants
- Update land base parcel, address point, and street centerline information as required for new development
- Generate custom GIS data queries and analysis as requested by City staff
- Generate a variety of specific, high quality cartographic and thematic maps and provide spatial analysis for City staff, internal meetings, Council meetings
- Produce water, sewer, and storm water system maps
- Receive and format data records and/or facilitate transfer of electronic files into GIS from CAD database
- Collaborate with GIS Coordinator to improve City's GIS datasets
- Provide assistance to professional engineering staff regarding engineering capital projects or other special assignments as needed
- Read and interpret engineering maps and maintain a geodatabase for the City's water, sewer and storm water information

Requirements

• Possess an Associates Degree (preferably Bachelors) in GIS, Geography, Geology, Environmental Science, or a closely related field with coursework in GIS from an accredited college or university.





• Must have one year of professional work experience in the use and operation of Geographical Information Systems, applications, software, and maintaining of GIS data, preferably in the Esri ArcGIS Platform.





From: Sarah Tamey Eddy, Interim Administrative Services Director

Prepared by: Sarah Tamey Eddy, Interim Administrative Services Director

Agendized by: Reagan M. Wilson, City Manager

1. ACTION RECOMMENDED:

Resolution: Appropriating \$150,000 to account number 110-10-109.43010 "Contract Attorney" from Fund 110 "General Fund" unassigned reserves for anticipated fees through June 30, 2022 related to services performed by Atkinson, Andelson, Loya, Ruud & Romo

2. SYNOPSIS:

On June 8, 2021, the City Council adopted Resolution No. 2021-100 authorizing the continued engagement of the law firm of Atkinson, Andelson, Loya, Ruud & Romo ("AALRR") to provide labor negotiation and labor/employment law services pursuant to an updated attorney representation agreement effective July 1, 2021 through June 30, 2022. At that time, Council also appropriated \$160,000 to account number 110-109.43010 "Contract Attorney".

On October 26, 2021, the City Council adopted Resolution No. 2021-212 appropriating an additional \$190,000 to account number 110-10-109.43010 "Contract Attorney" from Fund 110 "General Fund" unassigned reserves. This additional appropriation was related to the completion of labor negotiations for each of the employee groups, and handling a labor impasse fact-finding proceeding. Further, AALRR services include handling the City's wide ranging labor and employment law needs.

The legal support needed for the Human Resources Department has increased due, in part, to the Human Resources Manager serving as the Interim City Manager, and the Senior Human Resources Analyst taking maternity leave. With the hiring of a new City Manager and pending efforts to improve the delivery of City services, and the anticipated 2022-2023 labor negotiations with the Turlock Firefighters and Turlock Management Association – Public Safety groups, staff is seeking an additional appropriation of \$150,000 to account number 110-10-109.43010 "Contract Attorney" from Fund 110 "General Fund" unassigned reserves.

3. DISCUSSION OF ISSUE:

AALRR completed all of the 2021-2022 labor negotiation tables, including a labor impasse fact-finding proceeding. AALRR handled all of the staff reports and resolutions regarding the labor negotiations, and is completing full updates of the various Memorandums of Understandings and Schedules of Benefits to reflect all of the tentative agreements reached during the last few negotiation cycles.

AALRR is handling the City's wide ranging labor and employment law needs, including COVID-19 issues and the COVID-19 Prevention Plan. The volume of legal services has increased due, in part, to the Human Resources Manager being appointed as the Interim City Manager, and the Senior Human Resources Analyst taking maternity leave.

While multiple year labor negotiation agreements were reached with the TCEA, Management, and Confidential employee groups, the City entered into one-year agreements with the Turlock Firefighters and TMAPS groups. As such, staff anticipates commencing 2022-2023 labor negotiations with these groups soon.

With the hiring of new City Manager, staff desires to continue working with AALRR as the City seeks to improve the delivery of City services and to maintain positive labor relations on any potential negotiation obligations.

Staff is requesting an allocation of an additional \$150,000 related to the various labor and employment law matters being handled by AALRR and for anticipated needs for Fiscal Year 2021-2022.

4. BASIS FOR RECOMMENDATION:

To compensate Atkinson, Andelson, Loya, Ruud & Romo for the various labor and employment law matters being handled and for anticipated needs for Fiscal Year 2021-2022.

5. FISCAL IMPACT / BUDGET AMENDMENT:

Approval of the Budget Amendment proposed in this Resolution will decrease the 2021-2022 General Fund unassigned reserves by \$150,000 and increase the budget in account number 110-10-109.43010 "Contract Attorney" by \$150,000.

6. STAFF RECOMMENDATION:

Staff recommends approval of the budget amendment increase of \$150,000 to continue to utilize AALRR for ongoing legal matters as described in this staff report.

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7. CITY MANAGER'S COMMENTS:

Recommend Approval.

8. ENVIRONMENTAL DETERMINATION:

N/A

9. ALTERNATIVES:

A. Council could decline to approve this action and direct staff to explore other options in regards to continuing the labor and employment law services and labor negotiation services for the City. Due to the expertise of AALRR and its current involvement in important employment law matters and ongoing labor negotiations, this alternative is not recommended.

BEFORE THE CITY COUNCIL OF THE CITY OF TURLOCK

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RESOLUTION NO. 2022-

APPROPRIATING \$150.000 TO ACCOUNT NUMBER 110-10-109.43010 "CONTRACT ATTORNEY" FROM FUND 110 "GENERAL FUND" UNASSIGNED RESERVES FOR ANTICIPATED FEES THROUGH JUNE 30, 2022} RELATED TO SERVICES PERFORMED BY ATKINSON, ANDELSON, LOYA, RUUD & ROMO

WHEREAS, the City Council engaged the law firm of Atkinson, Andelson, Loya, Ruud & Romo ("AALRR") to act as lead negotiator on behalf of the City of Turlock for the collective bargaining process, and to provide labor and employment law services; and

WHEREAS, on June 8, 2021, the City Council adopted Resolution No. 2021-100 authorizing the continued engagement of AALRR pursuant to an updated attorney representation agreement effective July 1, 2021 through June 30, 2022, and appropriating \$160,000 to account number 110-10-109.43010; and

WHEREAS, on October 26, 2021, the City Council adopted Resolution No. 2021-212 appropriating an additional \$190,000 to account number 110-10-109.43010; and

WHEREAS, due to the increase in labor and employment law needs staff is requesting that an additional \$150,000 be appropriated to account number 110-10-109.43010 "Contract Attorney" from Fund 110 "General Fund" unassigned reserves for anticipated fees through June 30, 2022.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Turlock does hereby appropriate \$150,000 to account number 110-10-109.43010 "Contract Attorney" from Fund 110 "General Fund" unassigned reserves for legal services related to Fiscal Year 2021-2022.

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Turlock this 8th day of March, 2022, by the following vote:

AYES: NOES: NOT PARTICIPATING: ABSENT:

ATTEST:

Kellie E. Weaver, Interim City Clerk City of Turlock, County of Stanislaus, State of California



From: Sarah Tamey Eddy, Interim Administrative Services Director

Prepared by: Tiffini Dhanota, Human Resources Technician

Agendized by: Reagan M. Wilson, City Manager

1. ACTION RECOMMENDED:

Resolution: Approving revisions to the job description for Fire Marshal

2. SYNOPSIS:

Adopting a Resolution approving revisions to the job description for Fire Marshal

3. DISCUSSION OF ISSUE:

Staff have determined the need to revise the job description for Fire Marshal to clean up language related to the education requirement. In August 2011, language was added to the job description to reflect an applicant currently enrolled in college had until August 31, 2012, to obtain the degree. That language appears to be related to a specific recruitment and should be removed to give future candidates the same flexibility that was afforded to candidates in the past.

The Fire Marshal is unrepresented.

4. BASIS FOR RECOMMENDATION:

City Council approval is required any new and/or modified job description.

5. FISCAL IMPACT / BUDGET AMENDMENT:

Fiscal impact: None

6. STAFF RECOMMENDATION:

Staff recommends the approval of the revisions to the job description for Fire Marshal.

Agenda Staff Report March 8, 2022 Page 2

7. CITY MANAGER'S COMMENTS:

Recommend Approval

8. ENVIRONMENTAL DETERMINATION: N/A

9. ALTERNATIVES:

A. Council may choose not to approve the revisions to the job description for Fire Marshal.

BEFORE THE CITY COUNCIL OF THE CITY OF TURLOCK

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IN THE MATTER OF APPROVING REVISIONS TO THE JOB DESCRIPTION FOR FIRE MARSHAL

RESOLUTION NO. 2022-

WHEREAS, City staff have identified the need to modify the job description for Fire Marshal as identified in Attachment A; and

WHEREAS, the proposed modifications to the job description for Fire Marshal revised the minimum qualification education requirement; and

WHEREAS, the Fire Marshal is represented by Turlock Management Association-Public Safety for Labor Relations purposes and is considered exempt under the Fair Labor Standards Act (FLSA); and

WHEREAS, the City Council is required to approve all new job descriptions or modifications to existing job descriptions.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Turlock does hereby approve revisions to the job description for Fire Marshal.

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Turlock this 8th day of March 2022, by the following vote:

AYES: NOES: NOT PARTICIPATING: ABSENT:

ATTEST:

Kellie E. Weaver, Interim City Clerk, City of Turlock, County of Stanislaus, State of California



FIRE MARSHAL

DEFINITION

Plans, supervises, reviews and performs a variety of inspections and code enforcement duties to ensure compliance with fire and life safety codes for new and existing construction, residential occupancies, and commercial or industrial activities; performs administrative, investigative, supervisory and technical responsibilities in managing the Fire Prevention Bureau of the City's Fire Department.

The Fire Marshal conducts plan checks for compliance with Fire Codes and ordinance, hazardous materials management, fire investigation and hazard abatement. The Fire Marshal develops and implements educational programs to promote fire safety; assists the Fire Chief with special administrative duties: performs related work as assigned.

This position is designated as <u>un-represented by Turlock Management Association-</u> <u>Public Safety</u> for Labor Relations purposes and is considered exempt under the Fair Labor Standards Act (FLSA).

DISTINGUISHING CHARACTERISTICS

This is a mid-management classification assigned to the fire prevention division as a Division Chief responsible for the management of discrete sub-departmental organizational component(s) and programs/functions within a department as determined by Department Director (Chief), City Manager and City Council. Serves as a member of the City policy advisory team with responsibilities for developing means for implementing policies and procedures developed the by executive team. The incumbent exercises policy development and promulgation responsibilities for specific program/functional areas. Demonstrates technical competence while working as a team member and exercises independent judgment in a number of confidential and sensitive assignments. Duties and responsibilities are performed in accordance with city policy, ordinance and fire code.

SUPERVISION EXERCISED AND RECEIVED

General direction is provided by the Fire Chief. The job incumbent provides direct supervision of subordinate level supervisors, professional, technical line and office clerical staff in related program areas.

ESSENTIAL FUNCTIONS: – Duties may include, but are not limited to the following:

- Responds to emergencies when needed and directs or performs related activities.
- Recommends and implements division goals, objectives, polices and procedures.
- Prepares specialized budgets related to assigned activities: assists in budget implementation; participates in forecasts of additional funds needed for staffing, equipment, materials and supplies; administers the approved budget.
- Prepares reports; documents <u>polices policies</u> and procedures; performs research; makes presentations before various groups, including City Council and Planning Commission, as needed.
- Represents Fire Chief in his absence, as required.
- Plans, organizes, assigns, and reviews the work of a comprehensive Fire Prevention program and supervises staff to ensure compliance with fire and life safety standards.
- Oversees the work of fire suppression staff in fire prevention activities, including mandated fire inspections.
- Interprets, enforces and explains fire and life safety codes.
- Conducts technical fire plan checks including fire sprinklers, fire alarms, residential occupancies, commercial occupancies and industrial occupancies.
- Attends meetings with internal and external customers representing the Fire Department.
- Investigates citizen complains related to Fire Prevention and life safety activities and enforcement; non-criminal and criminal investigations related to fire and legal actions related to non-compliance and abatement proceedings.
- Provides pre-development consultations; provides or reviews occupancy and final inspections for new businesses.
- Works cooperatively with the Chief Building Official, Community Development staff, the State Fire Marshal and the community to ensure through, organized and timely permit processing.
- Formulates and recommends changes to the International Fire Code and City Ordinances.
- Oversees/participates with the Police Department in the investigation of fires to determine the cause, including preparing reports, gathers evidence and works on case development with the District Attorney's office in arson cases.
- Represents the Department as an expert court witness in Fire Investigations.
- Write citations and makes arrests in the role as peace officer.

MINIMUM QUALIFICATIONS

Knowledge, Skills, and Abilities:

- Knowledge of and the ability to interpret apply and explain complex laws, codes, regulations and ordinances.
- Ability to conduct technical plan reviews in residential, commercial, industrial construction and <u>possespossess</u> the skills needed to articulate requirements to contractors and design professionals.
- Knowledge of and the ability to apply principles and practices of employee supervision, including work planning, assignment, review, evaluation, discipline and the training of staff in work procedures.
- Ability to perform the computer applications related to work, prepare accurate reports, correspondence and other written materials
- Ability to prepare division budget and administer the approved budget.
- Possess the skills necessary to conduct cause and origin fire investigations, including the collection of evidence, expert witness, report writing and assisting Police and District Attorney in case preparation.
- Ability to work with businesses, property owners, permit applicants, residents and other City Departments to assure timely and effective customer service.
- Ability to understand and use techniques for dealing with people in person and over the telephone in stressful or confrontational situations.
- Ability to take initiative and use independent judgment within legal, policy and procedural guidelines.

EDUCATION AND EXPERIENCE

Education:

Possession of a Bachelor Degree in Fire Science, Public Administration or related field;

Must be currently enrolled in an accredited university or institution and obtain a Bachelor Degree in Fire Science, Public Administration or related field, within thirty-six (36) months of appointment. by August 31, 2012.

Experience:

Three years of experience comparable to that of a Fire Captain with Turlock Fire Department, including a minimum of a one year assignment to the prevention bureau and one year experience as a fire investigator.

LICENSE AND CERTIFICATES

Possession of a valid Class C California Driver's License, to be maintained as a condition of employment.

Possession of a California State Fire Marshal Fire Officer Certification.

Must obtain a California P.C. 832 Arrest and Firearms Certification within 12 months from date of appointment.

DESIRABLE CERTIFICATIONS

Possession of California State Fire Marshal's level one, two and three classes in prevention and investigation is desirable.

Possession of ICC Certification as Fire Inspector and Plan Checker is desirable.

PHYSICAL REQUIREMENTS

Must be able to respond to major emergency or investigative situations on a 24 hour call as of required. Must possess strength, mobility and stamina to inspect various fire and construction sites. Must possess mobility to work in standard office setting and to use office equipment. Vision required to read printed materials and computer screens. Hearing and speech required to communicate in person and over the telephone.

Reviewed and approved: _____

PERSONNEL OFFICER

DATE

Classification established July 2008

Revised 8/11, 03/22



From: Maria Ramos, Community Housing Supervisor

Prepared by: Maria Ramos, Community Housing Supervisor

Agendized by: Reagan M. Wilson, City Manager

1. ACTION RECOMMENDED:

- Resolution: A Resolution of the City Council of the City of Turlock declaring that certain real property owned by the City located at 513 North Palm Avenue, in the City of Turlock is exempt surplus land, and taking related actions
- Motion: Approving the repayment of HOME funds in the amount of \$291,951.49 to credit the Turlock/ Stanislaus County HOME Consortium local HOME account (Fund 256)
- Motion: Approving the sale agreement, loan agreement and joint escrow instructions for the sale of the property located at 513 North Palm Avenue, Turlock (APN #061-023-041) (Exhibit A), to be sold to Housing Authority of Stanislaus County, a California public housing authority, in the amount of \$292,000, and authorize the City Manager to sign all necessary documents to effectuate the transaction

2. SYNOPSIS:

Approve the declaration of the property located at 513 North Palm Avenue ("Property") as surplus land. Declaration of surplus land would allow the repayment of \$291,951.49 to the local HOME account.

Authorizing the repayment of HOME funds to the Local HOME account in compliance with United States Department of Housing and Urban Development (HUD) findings for the project located at 513 North Palm Avenue and approving the sale with covenants and restrictions to the Housing Authority of Stanislaus County for the purpose of developing and constructing four affordable housing units.

3. DISCUSSION OF ISSUE:

The City is the owner in fee simple of certain real property ("Property") located at 513 North Palm Avenue. In 2003, the Property contained housing with an accessory dwelling unit and other buildings. Staff reported that the site was blighted with known nefarious activity and numerous calls for service. In October of 2003, the City Council authorized the purchase of the Property, also known as the Triangle Project using United States Department of Housing and Urban Development (HUD) HOME funds in the amount of \$291,951.49. The City demolished the structures and explored ways to develop affordable housing on the Property.

Under HUD HOME guidelines a replacement unit must be occupied by an eligible client within 24 months of funding expenditure. If the replacement unit is not occupied by an eligible client within the specified timeframe the project is deemed out of compliance and any used HUD HOME funds for the project need to be reimbursed using non-federal funds.

Several attempts were made to build new housing units but with lack of funding and neighborhood concerns of the proposed projects, the projects did not materialize within the required HUD HOME timeframes and the project was then considered a failed project and required reimbursement of funds.

Staff met with HUD representatives to discuss extension possibilities to avoid repayment of the funds. No extensions were granted and reimbursement of funds was requested. However, HUD did make an allowance for the funds to be reimbursed to the local HOME account versus repayment to HUD. Repayment to the local HOME account would allow the department to use the funds for another eligible property. During this time, the City was under financial strain and repayment to the local HOME account using general funds was not an option. Staff held off repayment until an option was available that would not require the use of general funds.

In 2019, the Stanislaus County Housing Authority (Housing Authority) approached the Housing Department about a potential project for the site. In reviewing the information, it was determined that this was the best possible method of repayment to the HOME account without the use of general funds. On January 22, 2019 Council approved the request to enter into an exclusive negotiating agreement with the Housing Authority to develop permanent supportive housing units using No Place Like Home Program (NPLH) funds. The action allowed staff to enter into agreement with the Housing Authority to apply for funding, transfer property to the Housing Authority upon approval of the NPLH loan, and construct four (4) supportive housing units if funding was awarded.

This past year, the Housing Department received an unexpected repayment of a loan that used Redevelopment Agency funds, currently known as the Successor

Agency (SA) funds. Because these are not considered federal funds staff reached out to SA experts to look into the possibility of using these funds as repayment to the local HOME account. These experts reached out to Housing and Community Development (HCD) and confirmed that the creation of affordable housing units would be considered an eligible expense but the land would need to be designated as surplus land.

Under the Surplus Land Act, Government Code Sections 54220-54233 ("Act"), surplus land is land owned in fee simple by the City for which the City Council takes formal action in a regular public meeting declaring the land is surplus and not necessary for the City's use. The Act provides that land shall be declared either surplus land or exempt surplus land before the City may take action to dispose of it consistent with the City's policies or procedures.

Under the Act, land is necessary for the City's use if the land is being used, or is planned to be used pursuant to a written plan adopted by the City Council, for City work or operations. Staff recommends that the City Council declare that the Property is exempt surplus land and not necessary for the City's use.

The Property is exempt surplus land pursuant to Government Code Section 54221(f)(1)(D) because the Property is for the Housing Authority's use as a site for constructing affordable housing units. Following the adoption of the attached resolution making a determination that the Property is exempt surplus land, the City must provide the resolution to HCD for its review at least 30 days prior to disposition of the Property.

Upon declaring the property as surplus land, the City will sell the property to the Stanislaus County Housing Authority in the amount of \$291,000. with forgivable terms in order for the Housing Authority to construct four affordable housing units on site.

4. BASIS FOR RECOMMENDATION:

- A. Turlock is responsible for ensuring that HOME funds be reimbursed to the local HOME account. The use of Successor Agency funds to repay the local HOME account is considered an eligible expense as new affordable housing units will be constructed on the site.
- B. The use of general funds would no longer be required for the repayment to the local HOME account.
- C. Failure to repay these funds will result in punitive action by HUD or the Office of the Inspector General against the City of Turlock.

5. FISCAL IMPACT / BUDGET AMENDMENT:

Fiscal Impact

There is no fiscal impact with declaring the Property exempt surplus land.

Budget Amendment None

6. STAFF RECOMMENDATION:

Staff recommends that the City Council approve the attached resolution declaring, pursuant to Government Code Section 54221(F)(1)(D), that real property owned by the City located at 513 North Palm Avenue, in the City of Turlock is exempt surplus land and not necessary for the City's use, finding that such declaration is exempt from environmental review under the California Environmental Quality Act, and taking related actions.

7. CITY MANAGER'S COMMENTS:

Recommend Approval.

8. ENVIRONMENTAL DETERMINATION:

This Resolution has been reviewed with respect to the applicability of the California Environmental Quality Act (Public Resources Code Section 21000 *et seq.*) ("CEQA"). The actions approved by the resolution are not subject to CEQA because they are activities that are excluded from the definition of a project by section 21065 of the Public Resources Code and section 15378(b) of the State CEQA Guidelines. This action declares the Property exempt surplus land. This is administrative activity of government which will not result in direct or indirect physical changes to the environment.

9. ALTERNATIVES:

A. Not declare the land as surplus land. General funds will be used to repay the local HOME account.

BEFORE THE CITY COUNCIL OF THE CITY OF TURLOCK

A RESOLUTION OF THE CITY COUNCIL } OF THE CITY OF TURLOCK DECLARING } THAT CERTAIN REAL PROPRTY OWNED } BY THE CITY LOCATED AT 513 NORTH } PALM AVENUE, IN THE CITY OF TURLOCK } IS EXEMPT SURPLUS LAND, AND TAKING } RELATED ACTIONS } **RESOLUTION NO. 2022-**

WHEREAS, the City of Turlock (the "City") owns certain property located at 513 North Palm Avenue, Turlock (APN #061-023-041) in the City of Turlock, which is described on **Exhibit "A"**, attached hereto and incorporated herein by reference (the "Property); and

WHEREAS, the City desires to dispose of the Property because it is not necessary for the City's use; and

WHEREAS, the City must comply with Government Code Sections 54220-54234 (the "Surplus Land Act") prior to taking any action to dispose of the Property; and

WHEREAS, the Surplus Land Act shall not apply to the disposition of the Property if the Property is exempt surplus land as defined in Government Code Section 54221(f)(1); and

WHEREAS, pursuant to the Surplus Land Act, the City Council must take formal action in a regular public meeting to declare that the Property is exempt surplus land, as supported by written findings; and

WHEREAS, Government Code Section 54221(f)(1)(D) defines exempt surplus land to include land that a local agency is transferring to another local, state, or federal agency for the agency's use; and

WHEREAS, the Property will be transferred to the Housing Authority of Stanislaus County, a California housing authority (the "Housing Authority") for the Housing Authority's use towards constructing four affordable housing units, and on that basis the City Council desires to declare the Property exempt surplus land pursuant to Government Code Section 54221(f)(1)(D); and

WHEREAS, pursuant to the Surplus Land Act Guidelines issued by the California Department of Housing and Community Development ("HCD") to interpret and implement the Surplus Land Act, the City Council's determination that the Property is exempt surplus land must be provided to HCD for its review at least 30 days prior to disposition.

NOW, THEREFORE, BE IT RESOLVED that the City Council of the City of Turlock does hereby resolves as follows:

SECTION 1. That the above recitals are true and correct and are a substantive part of this Resolution.

SECTION 2. That the City Council hereby finds that Property is not being used and is not planned to be used for City work or operations, is not necessary for the City's use within the meaning of the Surplus Land Act, and that the Property is necessary for Housing Authority's use as a site for constructing affordable housing units.

SECTION 3. That the City Council hereby declares the Property is exempt surplus land as defined in Government Code Section 54221(f)(1)(D) of the Surplus Land Act because the Property is necessary for the Housing Authority's as a site for the constructing affordable housing units.

SECTION 4. That staff of the City are hereby authorized and directed to submit a copy of this Resolution to HCD in accordance with the Surplus Land Act Guidelines.

SECTION 5. That the staff and officers of the City are hereby authorized, jointly and severally, to take any other such actions as they deem necessary or proper to effectuate the purposes of this Resolution, and all actions previously taken are hereby ratified.

SECTION 6. That the City Council hereby finds that the actions are not subject to the California Environmental Quality Act ("CEQA") because they are activities that are excluded from the definition of a project by section 21065 of the Public Resources Code and section 15378(b) of the State CEQA Guidelines. This action declares the Property exempt surplus land and directs staff to effectuate the purpose of this Resolution. This is administrative activity of government which will not result in direct or indirect physical changes to the environment. No commitment to any project is being made at this time. CEQA review requirements must be completed before any commitment to a project occurs and appropriate environmental review pursuant to CEQA will be completed at such time.

SECTION 7. That the Mayor shall sign and the City Clerk shall attest to the adoption of this Resolution

PASSED AND ADOPTED at a regular meeting of the City Council of the City of Turlock this 8th day of March, 2022, by the following vote:

AYES: NOES: NOT PARTICIPATING: ABSENT:

ATTEST:

Kellie E. Weaver, Interim City Clerk, City of Turlock, County of Stanislaus, State of California

EXHIBIT A

LEGAL DESCRIPTION

The land is situated in the State of California, County of Stanislaus, City of Turlock, and is described as follows:

ALL that certain real property situated in the City of Turlock, County of Stanislaus, State of California, lying within the West Half of Section 14, Township 5 South, Range 10 East, Mount Diablo Meridian, being more particularly described as follows:

All of Block 217-C as shown on that Map entitled "Bonnie Rae Park" filed in the Office of the Recorder of the County of Stanislaus on April 28, 1921 in Volume 9 of Maps at Page 55. EXCEPTING THEREFROM that portion thereof conveyed to Leonard Lee and Ruth S. Driskell by Grant Deed dated February 25, 1959 and Recorded March 2, 1959 in Volume 1532 of Official Records of Stanislaus County at Page 303.

The underlying portion of Lots 1 through 6 of said Block 217-C lying within the above described parcel of land are hereby merged and shall hereinafter be considered one parcel of land.

APN: 061-023-041