



CITY OF TOLLESON

9055 W. Van Buren St., Tolleson, AZ 85353 • (623) 936-7111 • TTY users, dial 711 for Relay • www.tolleson.az.gov

**TOLLESON CITY COUNCIL MEETING AGENDA
TOLLESON CIVIC CENTER
9055 WEST VAN BUREN STREET, TOLLESON, AZ 85353
ZOOM WEBINAR ID: 840 6967 9194
TUESDAY, APRIL 22, 2025
6:00 PM**

Doors open to Council Chambers at 5:45 PM for public seating. The public may be asked to temporarily relocate if an executive session occurs. The public will be invited back into Council Chambers when the Council returns from executive session.

Members of the public may also participate in the meeting via [Zoom Webinar](https://us02web.zoom.us/j/84069679194) (<https://us02web.zoom.us/j/84069679194>) with a computer or cell phone.

- A. CALL TO ORDER**
- B. INVOCATION/PLEDGE OF ALLEGIANCE**
- C. ROLL CALL**
- D. FINAL CALL TO SUBMIT SPEAKER REQUESTS**

All citizens and interested parties wishing to speak before the Council regarding non-agenda items or during a public hearing shall fully complete a Speaker Request Form and submit the form(s) to the City Clerk prior to the meeting being convened. Citizens must complete one form for each item they want to address. Speaker Request Forms are located at the entrance of the Council Chambers. For Zoom participants, click the chat button, and enter your name and the item you would like to address. Submissions should be made no later than the Mayor announcing the "Final Call to Submit Speaker Requests". All speakers will be limited to 3 minutes unless otherwise noted by the Mayor. Speakers are not required to disclose their identities or personal information. You may also submit an online speaker request form at <https://www.tolleson.az.gov/speakerrequest> at least one hour prior to the meeting.

- E. CALL TO THE PUBLIC (NON-AGENDA ITEMS)**

This is the time for the public to comment on non-agenda items. Members of the Council may not discuss items that are not specifically identified on the agenda. Therefore, pursuant to A.R.S. § 38-431.01.H, action taken as a result of public comment will be limited to (1) responding to criticism; (2) directing staff to review the matter; or (3) asking that a matter be put on a future agenda.



F. SCHEDULED PUBLIC APPEARANCES AND PROCLAMATIONS – FOR DISCUSSION

1. Proclamation declaring April 2025 as Autism Acceptance Month in the City of Tolleson, promoting inclusion, celebrating neurodiversity, and honoring the unique contributions of individuals with autism, as well as the families, caregivers, and advocates who support them. – Wendy Jackson, Deputy City Manager/Employee Resources Director
2. Proclamation declaring May 5–9, 2025 as Teacher Appreciation Week in the City of Tolleson, honoring the dedication and impact of educators who inspire and guide our youth, and acknowledging those preparing to become tomorrow’s teachers, whose commitment shapes the future of our community. – Mandy Carrico, Library Director
3. Introduction of New Employees:
Library Department – Karina Caraveo, Management Support Technician (Passport Technician)
Employee Recognition:
Development Services Department – Ruby Arvizu, Management Support Specialist:
International Code Council (ICC) Permit Technician Certification

G. BUSINESS FROM THE FLOOR – PUBLIC HEARINGS AND ACTION ITEMS

H. CONSENT AGENDA – ACTION ITEMS

Items on the Consent Agenda are of a routine nature and are intended to be acted upon in one motion. Council Members may pull items from Consent if they would like them considered separately.

1. Approve Regular City Council Meeting Minutes of April 8, 2025. (City Clerk Department)
2. Approve Claims and Bills Report for the period of April 2, 2025 to April 15, 2025. (Finance Department)
3. Authorize City Manager to enter into a Professional Services Agreement between the City of Tolleson and Blue Cross Blue Shield of Arizona for the administration of dental insurance benefits for eligible City employees and their dependents, and authorize the City Manager to execute and deliver said Agreement. The annual aggregate amount for this Agreement shall not exceed \$400,000. This Agreement shall remain in full force and effect from July 1, 2025 until June 30, 2027. (Employee Resources Department)

I. REGULAR AGENDA – ACTION ITEMS

1. Adopt/Deny Ordinance No. 619 N.S. of the Mayor and City Council of the City of Tolleson, Arizona, adopting the April 29, 2024 City of Tolleson Wastewater Treatment Plant local limits evaluation report and the final proposed local limits contained therein; providing for repeal of conflicting ordinances; providing for severability;

providing for incorporation of exhibits; and declaring an emergency. (Utilities Department)

2. Discuss and consider the appointment and/or reappointment of the City of Tolleson's Primary and Alternate Representatives to the Maricopa County Community Development Advisory Committee (CDAC) for the term beginning July 1, 2025, and ending June 30, 2027. Currently, Council Member Erives is the Primary Representative, and Council Member Gámez is the Alternate Representative. (City Council)
3. Approve/Deny First Amendment to the Design-Build Agreement between the City of Tolleson and Haydon Companies, LLC, in the amount of \$713,561, for continued pre-construction phase services related to the 91st Avenue Pedestrian Bridge project, including revised design intervals and deliverables for 60%, 90%, and 100% Construction Documents and budget, as outlined in the updated scope of work and fee schedule. (Development Services Department)
4. Authorize City Manager to enter into a Professional Services Agreement between the City of Tolleson and Blue Cross Blue Shield of Arizona for medical insurance benefits for eligible City employees and their dependents, and authorize the City Manager to execute and deliver said Agreement. The annual aggregate amount for this Agreement shall not exceed \$6 million. This Agreement shall remain in full force and effect from July 1, 2025 until June 30, 2027, with an option to renew for one additional year. (Employee Resources Department)

J. WORK STUDY AND PRESENTATIONS – FOR DISCUSSION

1. FY 2026 Third Budget Work Study – Kevin Artz, Chief Financial Officer

K. MAYOR AND CITY MANAGER'S REPORT OF CURRENT EVENTS – FOR DISCUSSION

1. Community Events Update – Randy Babchuk, Field Operations/Parks & Recreation Director
2. The Tolleson Civic Center will be temporarily closed on Wednesday, May 7, 2025, from 10:30 AM to 1:30 PM to allow City staff to participate in an internal employee event.

L. CONVENE INTO EXECUTIVE SESSION

1. Motion to go into executive session.
2. Convene into an executive session pursuant to A.R.S. § 38-431.03(A)(3) and (A)(4) to receive legal advice and discuss and consult with the City Attorney regarding the City's position relating to negotiations for a development agreement.

M. RECONVENE INTO PUBLIC MEETING

N. ADJOURNMENT

1. Attachments: Monthly Reports

Fire Department – March

Police Department – March

Pursuant to A.R.S. § 38-431.01 and A.R.S. § 38-431.02, notice is hereby given to the members of the Tolleson City Council and to the general public that the Council of the City of Tolleson will hold a meeting open to the public. Council Members of the City of Tolleson will attend by telephone/video conference call.

Note: The City Council of the City of Tolleson, by a duly passed motion, may vote in public session to adjourn to executive session on any agenda item in conformation with A.R.S. § 38.431.03 for legal advice from the City Attorney.

Zoom's live transcription feature can provide automatic captioning by clicking on the Closed Caption (CC) button during the meeting.

THE CITY OF TOLLESON ENDEAVORS TO MAKE ALL PUBLIC MEETINGS ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES. With at least two business days advance notice, accommodations can be provided at this meeting for individuals with vision, hearing and/or speech disabilities, including a transcriber, large print, an interpreter, an assistive listening device, etc. Please call the City Clerk at (623) 936-7111, or TTY users may dial 711 for Arizona Relay Service (AZRS), to request an accommodation to participate in this public meeting. The City will try its best to accommodate any last minute requests.

LA CIUDAD DE TOLLESON SE ESFUERZA PARA HACER TODAS LAS REUNIONES PÚBLICAS ACCESIBLE PARA INDIVIDUOS CON DISCAPACIDADES. Con al menos dos días laborables de previo aviso, se pueden proporcionar adaptaciones en esta reunión para personas con discapacidades visuales, auditivas o del habla, incluido un transcriptor, letra grande, un intérprete, un dispositivo de asistencia auditiva, etc. Llame a la Secretaría Municipal al (623) 936-7111, o los usuarios de TTY pueden marcar 711 para el Servicio de Retransmisión de Arizona (AZRS), para solicitar un alojamiento para participar en esta reunión pública. La Ciudad hará todo lo posible para satisfacer cualquier solicitud de último minuto.

Prerequisites for attending Zoom Webinars (one required):

1. Zoom Desktop Client: Navigate to the [Zoom website \(https://zoom.us/\)](https://zoom.us/) in your internet browser. At the top-right of the page, click Resources and then click Download Center. Under Zoom Desktop Client, click the Download button.
 - a. Open the Zoom desktop client and sign in
 - b. Click the Home tab and then Join
 - c. Enter Meeting ID: 840 6967 9194 and enter your full name

- d. Connect audio and/or video and select Join
- 2. Zoom Mobile App with Cell Phone or Tablet: Download the Zoom - One Platform to Connect App in either the App Store for iOS or Google Play for Android.
 - a. Select Join Meeting
 - b. Enter Meeting ID: 840 6967 9194
 - c. Enter your full name and select Join
 - d. Enter your screen name and email address and select Continue
 - e. Join Audio with Wi-Fi or Cellular Data
- 3. Web client/browser: Google Chrome, Internet Explorer, Firefox and Safari on a computer.
 - a. Go to the [Zoom website \(https://zoom.us/\)](https://zoom.us/)
 - b. Enter Meeting ID: 840 6967 9194
 - c. Click Open Zoom Meetings or Join (depending on browser)
 - d. Enter your full name and click Join Audio by Computer
- 4. Alternate Option via Telephone with Audio Only:
 - a. Dial 253-215-8782
 - b. Enter Meeting ID: 840 6967 9194 and press #
 - c. Enter Participate ID and press #, or press # to continue

For technical support or questions in accessing the meeting, please email the [Information Technology Department](#) (ITsupport@tolleson.az.gov) or call Zoom Support at 888-799-9666.

Posted on April 17, 2025.



Proclamation

Autism Acceptance Month

April 2025

WHEREAS, autism is a complex developmental condition that typically appears during early childhood and affects a person's ability to communicate, interact with others, and process sensory information; and

WHEREAS, autism is a spectrum disorder, meaning that individuals with autism can experience a wide range of abilities and challenges that are unique to each person; and

WHEREAS, the City of Tolleson recognizes and celebrates the valuable contributions made by autistic individuals across all areas of life, including education, employment, arts, science, and community leadership; and

WHEREAS, Autism Acceptance Month, celebrated each April, is a time to promote inclusion, celebrate neurodiversity, and continue our commitment to ensuring that individuals with autism have equal access to opportunities and support; and

WHEREAS, the City of Tolleson supports the movement from autism awareness to autism acceptance, recognizing that acceptance is often the first step to inclusion and meaningful change; and

WHEREAS, our community stands in solidarity with autistic individuals, their families, caregivers, educators, and advocates who work tirelessly to create a more inclusive and understanding society; and

WHEREAS, the City of Tolleson encourages residents to learn more about autism, embrace the diversity of minds and experiences, and foster an environment where everyone can thrive.

NOW, THEREFORE, I, Juan F. Rodriguez, by virtue of the authority vested in me as Mayor of the City of Tolleson, Arizona, do hereby proclaim April 2025 as Autism Acceptance Month in the City of Tolleson, and urge all residents to join in supporting an inclusive community that values the unique perspectives and contributions of individuals with autism.



Juan F. Rodriguez, Mayor

ATTEST: _____
Crystal Zamora, City Clerk



Proclamation

Teacher Appreciation Week

May 5-9, 2025

WHEREAS, teachers are entrusted with the critical responsibility of guiding, inspiring, and nurturing the minds of our youth, preparing them to be thoughtful, knowledgeable, and compassionate citizens of tomorrow; and

WHEREAS, teachers in the City of Tolleson and throughout the nation dedicate their time, talents, and passion to ensure that every student receives a high-quality education and support, often going above and beyond the call of duty; and

WHEREAS, teachers play a vital role in shaping the character and future of our community by instilling the values of hard work, respect, perseverance, and civic responsibility; and

WHEREAS, during the week of May 5-9, 2025, communities across the United States will celebrate National Teacher Appreciation Week to recognize and honor the lasting contributions of educators at every level; and

WHEREAS, the City of Tolleson acknowledges the profound and lasting influence of teachers and expresses heartfelt gratitude for their dedication and unwavering commitment to excellence in education.

NOW, THEREFORE, I, Juan F. Rodriguez, by virtue of the authority vested in me as Mayor of the City of Tolleson, Arizona, do hereby proclaim May 5-9, 2025 as Teacher Appreciation Week in the City of Tolleson, encouraging all residents to recognize, thank, and celebrate the educators who work tirelessly to support our students, strengthen our schools, and build a better future for all.



Juan F. Rodriguez, Mayor

ATTEST: _____
Crystal Zamora, City Clerk



CITY COUNCIL REPORT

SUBJECT: Regular City Council Meeting Minutes of April 8, 2025

MEETING DATE: April 22, 2025

TO: Mayor and Council

FROM: Crystal Zamora, City Clerk

REVIEWED: Reyes Medrano Jr., City Manager

PURPOSE:

The City Clerk Department is requesting the approval of the Regular City Council Meeting Minutes of April 8, 2025.

BACKGROUND:

It is the public policy of the State of Arizona that meetings of public bodies be conducted openly and that notices and agendas be provided for such meetings which contain such information as is reasonably necessary to inform the public of the matters to be discussed or decided. Minutes serve a historical purpose, but just as important, they serve a legal purpose, documenting Council's adherence to the proper procedures, city code and state law. The approved minutes are a permanent record.

DISCUSSION:

The minutes provide an outlet for residents to connect with the City of Tolleson in order to stay informed of Mayor and Council's actions, and they are posted on the City's website and filed in the City Clerk's Office. Transcription is provided in order to facilitate communication accessibility and may not be a totally verbatim record of the proceedings.

BUDGET IMPACT:

This item has no additional budget impact.

RECOMMENDATION:

Staff recommends the City Council approve the Regular City Council Meeting Minutes of April 8, 2025.

ATTACHMENTS:

1. 04 08 25 City Council Meeting Minutes



CITY OF TOLLESON

9055 W. Van Buren St., Tolleson, AZ 85353 • (623) 936-7111 • TTY users, dial 711 for Relay • www.tolleson.az.gov

**TOLLESON CITY COUNCIL MEETING ACTION MINUTES
TOLLESON CIVIC CENTER
9055 WEST VAN BUREN STREET, TOLLESON, AZ 85353
ZOOM WEBINAR ID: 840 6967 9194
TUESDAY, APRIL 8, 2025
6:00 PM**

Doors open to Council Chambers at 5:45 PM for public seating. The public may be asked to temporarily relocate if an executive session occurs. The public will be invited back into Council Chambers when the Council returns from executive session.

Members of the public may also participate in the meeting via [Zoom Webinar](https://us02web.zoom.us/j/84069679194) (<https://us02web.zoom.us/j/84069679194>) with a computer or cell phone.

A. CALL TO ORDER

Mayor Rodriguez called the Tolleson City Council Meeting to order at 6:00 PM.

B. INVOCATION/PLEDGE OF ALLEGIANCE

The Invocation was delivered by City Attorney Pierce, and the Pledge of Allegiance was led by Council Member Chavira.

C. ROLL CALL

Department Directors: City Manager Reyes Medrano Jr., Deputy City Manager/Employee Resources Director Wendy Jackson, Deputy City Manager/Chief Government Affairs Officer Pilar Sinawi, Chief Financial Officer Kevin Artz, Chief Preparedness Officer/Human Services Director George Good, Chief Technical Officer Steve Holliday, City Clerk Crystal Zamora, Development Services Director Jason Earp, Field Operations/Parks & Recreation Director Randy Babchuk, Fire Chief Michael Young, Library Director Mandy Carrico, Public Safety Director/Police Chief Rudy Mendoza and Utilities Director Jamie McCracken.

City Representative: City Attorney Justin Pierce

D. FINAL CALL TO SUBMIT SPEAKER REQUESTS

All citizens and interested parties wishing to speak before the Council regarding non-agenda items or during a public hearing shall fully complete a Speaker Request Form and submit the form(s) to the City Clerk prior to the meeting being convened. Citizens must complete one form for each item they want to address. Speaker Request Forms are located



at the entrance of the Council Chambers. For Zoom participants, click the chat button, and enter your name and the item you would like to address. Submissions should be made no later than the Mayor announcing the “Final Call to Submit Speaker Requests”. All speakers will be limited to 3 minutes unless otherwise noted by the Mayor. Speakers are not required to disclose their identities or personal information. You may also submit an online speaker request form at <https://www.tolleson.az.gov/speakerrequest> at least one hour prior to the meeting.

E. CALL TO THE PUBLIC (NON-AGENDA ITEMS)

This is the time for the public to comment on non-agenda items. Members of the Council may not discuss items that are not specifically identified on the agenda. Therefore, pursuant to A.R.S. § 38-431.01.H, action taken as a result of public comment will be limited to (1) responding to criticism; (2) directing staff to review the matter; or (3) asking that a matter be put on a future agenda.

F. SCHEDULED PUBLIC APPEARANCES AND PROCLAMATIONS – FOR DISCUSSION

1. Proclamation declaring April 2025 as Fair Housing Month in the City of Tolleson to ensure equal opportunities in housing, urging all citizens of this community to comply with the letter and spirit of the Fair Housing Law. – Noel Schaus, Housing Revitalization Manager

Mayor Rodriguez proclaimed April 2025 as Fair Housing Month in the City of Tolleson.

2. Introduction of New Employees:
Fire Department – Joseph Palacio, Firefighter
Human Services Department – Lourdes Valenzuela, Assistant Cook
3. Recognition of K-9 Sem’s Retirement – Rudy Mendoza, Police Chief

G. BUSINESS FROM THE FLOOR – PUBLIC HEARINGS AND ACTION ITEMS

H. CONSENT AGENDA – ACTION ITEMS

Items on the Consent Agenda are of a routine nature and are intended to be acted upon in one motion. Council Members may pull items from Consent if they would like them considered separately.

1. Approve Regular City Council Meeting Minutes of March 25, 2025. (City Clerk Department)
2. Approve Claims and Bills Report for the period of March 19, 2025 to April 1, 2025. (Finance Department)

3. Approve First Amendment to the Cooperative Purchasing Agreement between the City of Tolleson and Matlick Enterprises, dba United Fire Company, for solutions for emergency response, firefighting and safety equipment and supplies, and authorize the City Manager to execute and deliver said Agreement. The City desires to amend the existing Agreement to increase the annual aggregate amount from \$100,000 to \$250,000 for equipment and supplies. (Fire Department)
4. Amend the City of Tolleson Employee Handbook, Section 617, by adopting a Smoking and Tobacco Use Policy prohibiting smoking and the use of tobacco and nicotine products by employees, contractors, and volunteers during working hours on all City-owned, leased, or controlled property, effective July 1, 2025. (Employee Resources Department)

Council Member Laborin moved to approve Consent Agenda items 1. through 4.; the motion was seconded by Council Member Gámez. The motion carried 7 to 0.

Mayor Rodriguez – Aye

Vice Mayor Davis – Aye

Council Member Chavira – Aye

Council Member Erives – Aye

Council Member Gámez – Aye

Council Member Laborin – Aye

Council Member Mendoza – Aye

I. REGULAR AGENDA – ACTION ITEMS

1. Adopt/Deny Ordinance No. 618 N.S. of the Mayor and City Council of the City of Tolleson, Arizona, amending the Code of Tolleson, Arizona, by amending Chapter 2 - Administration by adding a new Article 2-10 - Regulation of Smoking and Use of Tobacco Products at or near City Facilities; providing for repeal of conflicting ordinances; providing authorization; providing for severability; providing for penalties; and setting an effective date of July 1, 2025. (Emergency Preparedness Department)

Vice Mayor Davis moved to adopt Ordinance No. 618 N.S.; the motion was seconded by Council Member Erives. The motion carried 7 to 0.

Mayor Rodriguez – Aye

Vice Mayor Davis – Aye

Council Member Chavira – Aye

Council Member Erives – Aye

Council Member Gámez – Aye

Council Member Laborin – Aye

Council Member Mendoza – Aye

2. Adopt/Deny Resolution No. 2599 of the Mayor and City Council of the City of Tolleson, Arizona, authorizing the negotiation of and the acquisition of real property located at 9258 West Van Buren Street, Tolleson, AZ, Maricopa County Parcel No. 102-49-031,

for public purposes; authorizing and directing the Mayor, City Manager, City Engineer, and City Attorney to negotiate and acquire title to certain parcels of real property on behalf of the City by donation, eminent domain, or purchase for an amount not to exceed \$2,025,000, plus acquisition and closing costs; and authorizing the use of contingency funds for said acquisition. (Development Services Department)

Council Member Gámez moved to adopt Resolution No. 2599; the motion was seconded by Council Member Laborin. The motion carried 7 to 0.

Mayor Rodriguez – Aye

Vice Mayor Davis – Aye

Council Member Chavira – Aye

Council Member Erives – Aye

Council Member Gámez – Aye

Council Member Laborin – Aye

Council Member Mendoza – Aye

J. WORK STUDY AND PRESENTATIONS – FOR DISCUSSION

1. FY 2026 Second Budget Work Study – Kevin Artz, Chief Financial Officer
2. Discussion on Mayoral Term Limits – Requested by Mayor Juan F. Rodriguez | Presented by Justin Pierce, City Attorney

K. MAYOR AND CITY MANAGER’S REPORT OF CURRENT EVENTS – FOR DISCUSSION

1. Community Events Update – Randy Babchuk, Field Operations/Parks & Recreation Director

L. ADJOURNMENT

Council Member Gámez moved to adjourn the Regular City Council Meeting; the motion was seconded by Council Member Laborin. The motion carried 7 to 0.

Mayor Rodriguez – Aye

Vice Mayor Davis – Aye

Council Member Chavira – Aye

Council Member Erives – Aye

Council Member Gámez – Aye

Council Member Laborin – Aye

Council Member Mendoza – Aye

The meeting was adjourned at 8:44 PM.

Pursuant to A.R.S. § 38-431.01 and A.R.S. § 38-431.02, notice is hereby given to the members of the Tolleson City Council and to the general public that the Council of the City of Tolleson will hold a meeting open to the public. Council Members of the City of Tolleson will attend by

telephone/video conference call.

Note: The City Council of the City of Tolleson, by a duly passed motion, may vote in public session to adjourn to executive session on any agenda item in conformation with A.R.S. § 38.431.03 for legal advice from the City Attorney.

Zoom's live transcription feature can provide automatic captioning by clicking on the Closed Caption (CC) button during the meeting.

THE CITY OF TOLLESON ENDEAVORS TO MAKE ALL PUBLIC MEETINGS ACCESSIBLE TO INDIVIDUALS WITH DISABILITIES. With at least two business days advance notice, accommodations can be provided at this meeting for individuals with vision, hearing and/or speech disabilities, including a transcriber, large print, an interpreter, an assistive listening device, etc. Please call the City Clerk at (623) 936-7111, or TTY users may dial 711 for Arizona Relay Service (AZRS), to request an accommodation to participate in this public meeting. The City will try its best to accommodate any last minute requests.

LA CIUDAD DE TOLLESON SE ESFUERZA PARA HACER TODAS LAS REUNIONES PÚBLICAS ACCESIBLE PARA INDIVIDUOS CON DISCAPACIDADES. Con al menos dos días laborables de previo aviso, se pueden proporcionar adaptaciones en esta reunión para personas con discapacidades visuales, auditivas o del habla, incluido un transcriptor, letra grande, un intérprete, un dispositivo de asistencia auditiva, etc. Llame a la Secretaría Municipal al (623) 936-7111, o los usuarios de TTY pueden marcar 711 para el Servicio de Retransmisión de Arizona (AZRS), para solicitar un alojamiento para participar en esta reunión pública. La Ciudad hará todo lo posible para satisfacer cualquier solicitud de último minuto.

City of Tolleson**Checks Recorded****Check Dates: March 19, 2025 to April 1, 2025****PAYMENTS OVER \$10,000**

VENDOR NAME	AMOUNT	CHECK NUMBER	CHECK DATE
FELIX CONSTRUCTION COMPANY	\$44,882.93	184087	03/27/2025
AZ PUBLIC SAFETY PERSONNEL RETIREMENT SYSTEM	\$39,973.90	100412	03/26/2025
AZ PUBLIC SAFETY RETIREMENT, POLICE	\$31,167.65	100413	03/26/2025
ARIZONA RESTAURANT SUPPLY, INC.	\$29,758.00	184075	03/27/2025
ADVANCED ENVIRO CURE LLC	\$25,650.00	100406	03/26/2025
CORE & MAIN LP	\$19,049.92	184081	03/27/2025
CORE & MAIN LP	\$18,917.58	184081	03/27/2025
CORE & MAIN LP	\$15,309.47	184081	03/27/2025
METROPOLITAN LIFE INSURANCE	\$14,971.94	184035	03/20/2025
JACOBS ENGINEERING GROUP INC	\$11,770.00	100418	03/26/2025
CITY OF TOLLESON-MEDICAL	\$10,788.58	100393	03/21/2025

Post-Production File

City of Tolleson
City Council Meeting Minutes
April 8, 2025

Transcription Provided By:
eScribers, LLC

* * * * *

Transcription is provided in order to facilitate communication accessibility and may not
be a totally verbatim record of the proceedings.

* * * * *

MAYOR RODRIGUEZ: Party started? Good evening, everybody. I Mayor Juan Rodriguez and today is April 8. And I would like to call the City Council meeting to order.

We would like to begin today by wishing our very own Council Member, Adolfo Gamez, happy birthday. I'm just going to lead us on a birthday -- happy birthday song.

ALL: Happy birthday to you.

MAYOR RODRIGUEZ: So I had to break his heart and tell him that this bone is not for him, but I did give him a bowl of mints. And he's a very charitable kind of guy, so I'm going to take one of them. Happy birthday.

GÁMEZ: Thank you. Thank you. Thank you.

MAYOR RODRIGUEZ: In addition to that, I know we embarrassed Randy pretty much at Whoopee Daze by climbing the stage and singing happy birthday in front of the entire Tolleson community.

But Randy, happy birthday.

ALL: Happy birthday.

MAYOR RODRIGUEZ: All right. Okay. And if I -- I won't forget if I don't do it now, but I know we have a lot of public safety officers in the back. Everybody welcome.

And we also have our Teen Council here. So you guys are very, very safe tonight.

Okay. Okay. Okay. So this -- let's rock and roll.

Leading us in the invocation and Pledge of Allegiance -- our City Attorney, Justin Pierce, leading us in the invocation, and then we're going to ask a Council Member Chavira to lead us in the Pledge of Allegiance.

PIERCE: Our beloved Father who art in heaven, we are grateful to be able to meet together this evening once again to exercise the freedoms that we do not take for granted, that we know do not exist in all of the world. We're grateful that we can be here and for this Council that has been elected to care for the needs of the people of the great City of Tolleson and we pray for thy greatest blessings to be upon this wonderful city, all who work here, all who live here, all who come into this area that they will be blessed. Please bless those, especially so many that are with us here tonight, that protect us and keep us safe and keep our freedoms safe as well. We pray

for them that they will be able to return home each day to their families and we pray that the decisions today will be made in accordance with thy will and in the best interests of those that are interested and we pray for these favors and blessings and do so in the name of Jesus Christ, amen.

ALL: Amen.

CHAVIRA: I pledge allegiance to the flag of the United States of America and to the republic for which it stands, one nation under God, indivisible, with liberty and justice for all.

MAYOR RODRIGUEZ: All right. Thank you both.

Next we're going to move on to roll call.

City Clerk, let the record reflect that all Council Members are present.

Okay. We're going to move on to D, final call to submit speaker request forms. All speakers will be limited to three minutes for comments only. Actions taken as a result of public comments will be limited to 1, responding to criticisms; 2, directly staff review the matter; or 3, asking that a matter be put on a future agenda.

City Clerk, do we have any submission for speaker request?

ZAMORA: We do not, Mayor.

MAYOR RODRIGUEZ: Call to the public. This is for non-agenda item.

So City Clerk, do we have any request for call to the public non-agenda item?

ZAMORA: We do not.

MAYOR RODRIGUEZ: All right. Moving on to item F. I see three items. So let's start with number 1, which is a proclamation declaring April 2025 as Fair Housing Month in the City of Tolleson to ensure equal opportunities in housing, urging all citizens of this community to comply with the with the letter and spirit of the Fair Housing Law. We have Noel Schaus.

SCHAUS: Schaus, correct. Thank you, Mayor.

MAYOR RODRIGUEZ: You have the floor. She's our Housing Director. She's going to give us some background on why public housing is very important.

SCHAUS: Mayor, Vice Mayor and members of Council, this April and every April, we

recognize Fair Housing Month to commemorate the passage of the Fair Housing Act of 1968. This landmark legislation is important today for the same reason it was 57 years ago. It honors the principle that the United States of America -- in the United States of America, no one should be denied housing because of who they are.

Fair Housing Month is a time to renew our commitment to combating discrimination and protecting people's right to equal housing opportunities.

MAYOR RODRIGUEZ: Thank you very much.

So with that now, therefore, I, Mayor Juan Rodriguez, do hereby proclaim April 2025 as Fair Housing Month of the City of Tolleson. Be it proclaimed.

Thanks again, Noel.

We're going to move on to item number 2, which is introduction of new employees.

And I'm going to take it over to City Manager, Reyes Medrano.

MEDRANO: Thank you, Mr. Mayor, members of Council.

It's always an honor to welcome new teammates to our community because as you know, there's one prerequisite to working with the city of Tolleson and being bestowed the blessing of being able to serve its people is that we love people and the people that we find all hold that in common. And everyone in the room that's wearing a uniform, our Teen Council, all share that attribute. There's nothing more important to this community than the people we serve.

So to that end, I've heard so much about our first new teammate. He was just described to me as a stud lateral from Los Angeles Fire Department. But they've been saying that about you for quite some time now. So it's an absolute joy to meet you, Mr. Joseph Palacio, our new firefighter. Thank you for choosing Tolleson.

PALACIO: Thank you.

MEDRANO: Secondly, in the Human Services Division that is now being overseen by George Good, and I can't thank George enough publicly, privately, every chance I see him for taking on this new role and for doing it with such zeal and joy for his service for Tolleson now over 20 years. It's beautiful to see his interaction with -- with our seniors and everybody else that serve in the Human Services Division, specifically in the

Tolleson Social Club.

I'd like to welcome another new teammate, Lourdes Valenzuela, our assistant cook. I don't know if she's here or she's not. Thank you for choosing Tolleson as well.

Welcome to both of you.

MAYOR RODRIGUEZ: Everybody knows this is the first time that I've heard Reyes describe a fellow city employee as a stud.

MEDRANO: It is.

MAYOR RODRIGUEZ: Walker. Yeah. Okay.

And so with that, everybody, we're going to move on to item number 3, which is recognition of K-9 Sems. I think that's name -- Sems.

MENDOZA: Sem. Yep.

MAYOR RODRIGUEZ: He's retiring.

MENDOZA: Right on. I can have Ofc. Brand, K-9 Sem. Can we start the PowerPoint? I have a quick three-slide PowerPoint just to go over some stats and stuff with Sem's career. And as soon as we get that loaded up, I'll get started. There we go.

So Mayor and Council, good evening. This is a bittersweet moment. And K-9 Sem and his handler Ofc. Jack Brand are here. And about 90 days ago, we started the clock for Sem's last 90 days and he's served us very well. And we're very happy to see him move on to the second phase of his life, which is being retired K-9. There we go.

So a little bit about K-9 Sem. He's -- whoops. That went forward. There we go. He is a Belgian Malinois. He's originally from the Netherlands. His languages are Dutch and German, his commands and I think Ofc. Brand put in there he speaks some English. So he's a -- he's eight years old in 10 months. Ofc. Brand and I were actually in California in 2019 for the selection of Sem. He's a dual-purpose K-9, which means he does apprehension of our, I guess, our bad guys and -- or we call it patrol work and also does drug detection. He trains about eight hours a week and currently our training is with the Avondale and Buckeye K-9 units. And that training takes place throughout the valley. So sometimes you'll see a Ofc. Brand. It'll be check off at checked off at Luke Air Force Base in the east valley. They're -- they're all around doing their training.

So K-9 Sem has been deployed about 141 times since 2019. That's probably a low estimate. That doesn't count for all of this kind of things that -- where Ofc. Brand hasn't actually been called out or, or Sem hasn't been called out but is just actively out there on patrol. We don't -- we're not counting for those times. He's having to deal with a lot of building searches, narcotic searches, area searches. That's like open yards and fields. That's what an area search would be. An article search would be a search for like guns, clothing, shoes, that type of stuff. He's a fight or flight deterrence for suspects.

I can't tell you how many times Sem has had someone just surrender to the police department just from barking or -- or his mere presence. And -- and we've also used him for public demonstrations, so Ofc. Brand and Sem had been out there in the public. You know, one that comes to mind is we used to have a Halloween event and I know Ofc. Brand had Sem out there doing demos and -- and the line was huge. He was like -- all the people we hired in the popcorn stand and it didn't match the line for the kids that want to be around Sem.

Some major incidents -- and this is just a few. Ofc. Brand sent me a -- a huge list. And so there was a lot to choose from, but I just wanted to hit these ones. So in 2019, he assisted Buckeye PD with apprehending a homicide suspect. So Sem was actually working at night and called out and responded to Buckeye and actually located the homicide suspect. He also assisted with the apprehension of a sexual assault/kidnapping suspect, assisted with the apprehension of a violent armed robbery suspect, assisted DEA was seizing packages of fentanyl at a post office. He assisted Homeland Security was seizing eight kilos of fentanyl powder and assisted ATF on a search warrant for cocaine possession, automatic firearm parts. So what the ATF located were the actual parts that people can convert a semi-auto handguns into full auto handguns. So I did pick these because I wanted to show that, you know, not just for the city of Tolleson helping us out, but you can see like regionally and other law enforcement partners where Sem has actually helped them out with their cases. Sem's last day of service is going to be April 30th. Sem will retire and continue to live with Ofc. Jack Brand and his family. K-9 Sem has been a true partner, a loyal friend, and

now it's time to relax, enjoy the good life. I just want to take this time to thank Ofc. Brand also. K-9 is a huge, huge responsibility and I just want to publicly say that he's done a great job and it is a lot of extra work, and so this is a Batman and Robin kind of association, and so you have to have both. You have to have a great handler and you have to have a great dog. And we were fortunate to have both in this run.

So with that being said, just want to say thank you to Sem and a happy retirement. I did have some other final pictures, but I'm not going to be able to back it up, I don't think. So with that Ofc. Brand would just like to say something really quick, so I'll give it over to him.

BRAND: Mayor Rodriguez, members of the Council and city leaders, I just want to say thank you very much for the support. These last five and a half years have been absolutely amazing to me. Not only is he a colleague and a partner with my brothers and sisters behind me, but he's also another family member at my house. I've had to put him in some risky situations where it didn't feel good, but at the same time, knowing that he prevented people from acting in violence towards our officers or the public to me, I know I could go home and sleep at night. I also want to thank Chief Mendoza, Chief Grow, the rest of our administration, both lieutenants -- Lt. Garrett and Lt. Winks. And like I said, my biggest support standing behind me. This dog has been such an asset for our department and just from his bark, like Chief Mendoza was saying, a lot of people just -- they give up. Some people aren't afraid of tasers. They're not afraid of any other -- any other tools that we have on our belt. The moment they hear him bark, it's -- it's just such a good feeling too, knowing that we have the jaws of justice behind us. So thank you again for all that.

MAYOR RODRIGUEZ: That's it? Well, before, before we get a picture, we do have a gift for you. We have an award. So before we take a picture, I do want to first of all, congratulate Sem's Ofc. Brand on your hard work. We're wishing you the best retirement on behalf of the Council, but we do have a gift for him, so go have some stuff to chew on. He's got a face mask. Yeah.

BRAND: Yeah. He can clear over that easy. No problem.

MAYOR RODRIGUEZ: Yes.

SINAWI: Okay. All right. Sit down. Awesome. Cheese. K-9. Okay.

MAYOR RODRIGUEZ: Perfect.

SINAWI: Nice to meet you. Welcome.

MAYOR RODRIGUEZ: Thank you guys. Thanks for being here.

SINAWI: Thanks guys. Have a good night.

MAYOR RODRIGUEZ: Appreciate it.

SINAWI: Congratulations. Welcome.

MENDOZA: Yeah. So mayor and Council, just to answer a question about the -- the future of the K-9 program. Currently we're -- we're -- we're trying to fill vacancies.

So --

MAYOR RODRIGUEZ: I don't want to --

MENDOZA: No, no, no. It's -- it's fine. And he knows that we would like to continue the program. We're going to put a time out, let Jack catch his breath and let us catch up with some of our hiring. So there are some other units that we're trying to prioritize right now, which is our traffic unit to get it out there. We did have two of our recruits that just graduated. They were just here. They're about to start their FTO. And as soon as they come off of FTO, we'll be able to have that traffic. Our CAT team's already in action. And I'd like to get our traffic unit up and running. And then once those are up and running, we start to get the squads fully staffed, we're going to circle back to K-9. So it's not a program that's going to be going away. We're just kind of putting a pause on it for right now.

Yeah. He put in his retirement paperwork. We'll see if he wants to wear another hat. Mayor and Council, thank you.

SINAWI: Thank you. Thank you. Thank you, Chief. Thank you.

MAYOR RODRIGUEZ: All right. Item G is business from the floor, public hearings and actions. We don't have any, so we're going to move on to H, which is consent, agenda, action items. I see items 1 through 4. Council, I'll see you.

GÁMEZ: Move for approval.

MAYOR RODRIGUEZ: I have a motion from Councilwoman Laborin. I have a second from Council Member Gámez. Okay.

All those in favor of approving items 1 through 4, please signify by saying aye.

ALL: Aye.

MAYOR RODRIGUEZ: All those opposed? Not hearing any. That motion passes unanimously. Thank you very much.

We're going to move on to I, regular agenda, action items. I don't know. We have two items under regular agenda. Item number 1 is to adopt or deny ordinance number 618 new series of the Mayor and City Council for the City of Tolleson, Arizona, amending the Code of Tolleson, Arizona by amending Chapter 2 administration by adding a new article 2-10, regulation of smoking and use of tobacco products at or near city facilities, providing for repeal of physical ordinances, writing of authorization, providing for severity, servility of providing for penalties and setting an effective date of July 1st, 2025. Emergency preparedness department is the Chief Preparedness Officer Good. You have the floor, sir.

GOOD: Thank you, mayor. Good evening, Mayor, members of the Council.

This item we have before you this evening, we've discussed in our briefings, but so that everyone else gets to hear and the public and those watching at home, this is an ordinance which would restrict or eliminate in both cases -- two different cases -- the use of tobacco and tobacco products at all city operated and owned properties. And that includes our city park. There is a carve out for the businesses that our economic development director may contract with, and they would be exempt from this ordinance, but it prohibits the use. There's a -- it ties in nicely actually with item 4 on the consent agenda, which establishes a policy which is being crafted by Wendy Jackson and the Employee Resources Department for providing for training and education and cessation of programs for those who are currently using tobacco products. So we're asking for your approval. There's a lot of specifics. I'd be happy to answer any questions regarding this, but the effective date would be July 1st of this year. That would give our Public Affairs Team time to notify the public and also our

employees to kind of get used to not using tobacco if that's a decision that they would make, so we want to provide some time for them. So even though normally ordinances take effect 30 days after they're adopted by you, this would be an effective date of July 1st.

MAYOR RODRIGUEZ: I have a question. If Council doesn't -- does Council have any other questions or any questions at all?

Yeah, go ahead, Jimmy.

DAVIS: Well, one, I just want to comment that that's a good time for employees to be able to do it. Hopefully they'll be able to quit. So I was thinking about like the park, for instance; so this could include the park, right? That way the park people couldn't smoke at the park.

GOOD: Mayor and Vice Mayor, yes; that's correct. Chewing tobacco, cigars, any kind of tobacco; snuffs is another term I learned recently in the development of this project.

And just to clarify, Mayor and Vice Mayor, now the City Manager is actually authorized to create designated smoking or tobacco use areas at events at his own discretion. So if he'd like to do that, he can do that. So we could put people way off in the corner or whatever, so secondhand smoke would not in that particular case be an issue and bother other people as we know how bad it is for us. The other reason that we want to have a July 1 phase-in or effective date is that Randy will be getting signage up throughout the entire city. As you talk about signage, we'll make sure that the public is really informed. And again, our social media professionals will be getting the word out through social media and networking and the internet and so forth and all their normal channels so that we can do as much education regarding this issue ahead of time as we can. Our goal is not to burden the Police Department or anybody else with this. We just want to make it a healthier community. And hopefully if someone is using tobacco, we can just say, hey, this is a non-smoking area. You may not be aware, but this is now how we do this in the City of Tolleson.

MAYOR RODRIGUEZ: When I saw this last week, I thought to myself, I'm going to do like a little self-evaluation, right? At Whoopee Daze. And honestly, I don't see too many

people, if any, smoking out there. I think people in general understand that when you smoke around others, it's a public nuisance. And instead of having to deal with bad looks, I wish they would smoke over there, little whispers here and there, they'd rather just not do it in public places. So I think we're in the right track. So I don't think it's going to be that big of an issue. And I'm excited that, in a sense, it means I can stop it or announce that this is where we're going. But we're going to start to institute officially July 1st. So by the time we get to July 1st, it's not new news. You know, people know, our employees know, everybody's on the same page and we can move forward with uniformity and implementation. And I think everybody will be on board with it. So I did notice Randy was raising his hand. Do you have some comments, Randy?

BABCHUK: Mayor, members of the Council, yes. Part of that with the signage is we're going to give outlets to people where they can look at hotlines. The Ash Line will be on there to, you know, get those people help, not just saying you can't smoke here, but getting those people the help that they need to try to stop smoking. So that's part of the efforts of us pushing no smoking in any facility or parks.

ERIVES: I have a couple of questions. So as I'm reading it, parks and belongs to the City. So Whoopee Daze was great cause we know that's a city park, but then would the manager also have the -- I'm thinking of Luces, right? Cause that's not a City park. That's just our downtown. And we kind of like create a venue space for Lucis. We kind of create like a mini mobile park, you could say. How could we enforce that? Is a city event and therefore there's no smoking or smoking is prohibited in that area? Okay.

BABCHUK: Thank you, mayor, Council Member Erives, yes. So we would do either designated areas for smoking, but we would have no smoking signs that are portable. And we'd have them posted up throughout the street, Luces de Navidad and then have a designated area kind of like our beer garden. And we would have just a designated area for them to smoke and not have to worry about people giving them the dirty looks and things like that.

ERIVES: Okay.

MAYOR RODRIGUEZ: Councilwoman Erives?

ERIVES: No, no. Okay. So this is totally different. So now we're in July 2nd, July 3rd, July 4th, 4th of July, I'm at Whoopee Daze. And I'm not a smoker, it's just the scenario. So I'm smoking on 4th of July and we're all sitting right there by the dance floor, right? I'm smoking.

MAYOR RODRIGUEZ: A cigar?

ERIVES: What's -- a cigar or a pipe, right? They go like this. If I had it, I'd be like, yeah. So what would happen to me first, right? Like what would be -- an officer comes up and reminds me that this is a no smoking area. Do I get a ticket? Am I going to get a citation? Am I going to get just a warning? If I keep smoking and blowing, you know, like what, what's going to happen on that July 4th? Cause 4th of July is coming around. Yes, sir.

GOOD: The repercussions are that there could be a \$25 fine if you refused to follow the ordinance. So again -- and successive infractions could result in a \$50 fine per infraction. So again, our goal is not to have anything happen, Mayor and Council. When -- if that happens, hopefully it won't, but again, it's a soft enforcement. It's like, hey, listen, we're just trying to make our community safer and healthier. We have no interest in fining you. We don't want your money. We just want everyone to be healthier, so that's it. It's a pretty low-key thing, but we've just never done it. In the conversations we had with many of you during Council briefings and before, several of you indicated that you thought we already had this because it's so common now, you don't see so many people smoking anymore as they used to back in the day. But so we're just going to proceed and formalize this with your approval.

LABORIN: They get a fine with the police then?

GOOD: Mayor, Council Member Laborin, they would not normally be fined if they're not on the city property. Technically the city streets and sidewalks are our city property. However, we're kind of going to consider those as open areas so that it's not -- you're not in an area with a lot of people around them. You may be around other people, but again, that's probably not something we're going to really go after. We don't really want to go after anybody on this. We're not considering that that would be a

violation in general terms.

And Mayor, if I could just one last thing, it was commented about the phase-in period. And that was the recommendation of our Deputy City Manager, Wendy Jackson, who said, you know, let's give people some time to get to this. There were a few of us -- I was kind of leading the charge saying, let's get it right now because I don't like -- you know, a lot of us don't care for this. And she was more prudent in her thinking and said, you know what, we should give people time. And so that is why it's an effective date. And that was Wendy's idea. And that was -- as we thought more about it, we thought that really makes a lot of sense. So thank you to Wendy for that suggestion.

DAVIS: It's all tobacco products, right? Even like vapes, chew, any of that kind of stuff?

GOOD: Mayor and Vice Mayor, yes, it does include vapes. I didn't mention that before. So vapes, chew, cigarettes, cigars. There's different people and snuffs. And I would have to turn to Chief Mendoza for the definition of that, if anyone's interested in it. I can't even remember what it is, but some sort of tobacco product. Recreational marijuana is not permitted in public spaces. Yeah.

So with that, we would ask for Council to approve this ordinance.

MAYOR RODRIGUEZ: Okay. I will entertain a motion to either approve or deny this.

We have a motion by the Vice Mayor to approve.

ERIVES: Second.

MAYOR RODRIGUEZ: We have a motion to approve by the Vice Mayor. We have a second by Council Member Erivez. All those in favor of adopting this, please signify by saying aye.

ALL: Aye.

MAYOR RODRIGUEZ: All those opposed, say no more smoking.

ERIVES: No more smoking.

MAYOR RODRIGUEZ: So is that a no vote?

ERIVES: No, no, I made the motion, so I'm good. I mean, second.

MAYOR RODRIGUEZ: Okay. So motion passes unanimously.

Okay. thank you very much, folks.

GOOD: Thank you, Mayor and Council.

ERIVES: Thank you, George.

MAYOR RODRIGUEZ: Thank you.

I just want to mention, it's also aligned with what we're doing to push longevity of life policy. So I think it's good.

ERIVES: The Blue Zone, yep.

GOOD: You're right, sir.

MAYOR RODRIGUEZ: Thought that might be it.

ERIVES: Oh.

MAYOR RODRIGUEZ: What are we calling it now?

ERIVES: Green zone.

MEDRANO: Aging in place.

MAYOR RODRIGUEZ: Aging in place. That's what we're calling it, so –

MEDRANO: Aging longer in place.

MAYOR RODRIGUEZ: There you go. All right. Item number 2.

ERIVES: ALP? Okay.

MAYOR RODRIGUEZ: Adopt resolution number 2599 of the Mayor and City Council of the City of Tolleson, Arizona, authorizing the negotiation of and the acquisition of real property located at 9215 West Van Buren Street, Tolleson, Arizona, Maricopa County, parcel number 102-49-031 for public purposes, authorizing -- as you get older, the hardest part of this job is for your eyes to continue to see the words without you leaving. Authorizing and directing the Mayor, City Manager, City Engineer, and the City Attorney to negotiate and acquire title to certain parcels of real property on behalf of the city by donation, eminent domain, or purchase for an amount not to exceed \$2,025,000 plus acquisition and closing costs, and authorizing the use of contingency funds for said acquisition. So I'm going to call up Development Services Director, Jason Earp to give us the background.

EARP: Thank you. Is this on? Thank you, Mayor, members of the Council. This is the property we discussed at the last meeting, talking to the property owner for the last

couple of weeks. And with the -- what we got from the appraisal, we think this is a fair price for the property, \$2,025,000 plus any closing costs. Hopefully if it's approved tonight -- staff is recommending approval -- we can get a 30 to 45 day closing, which the owner wants a fast closing so he can recoup his costs, what he's put into the building and purchase a property and then look forward to moving either -- he didn't say Tolleson, but looking for another place to do what he wanted to do.

So with that, I'll answer any questions you may have.

MAYOR RODRIGUEZ: Oh, but the reality is when you look at the history of that property, bus stop that was falling apart. So we've gone a long way from where we were, which is great, but we're not out of the woods. I think acquiring this property, which is located in central Tolleson, right across the street from the bus stop, would be key. And then we can talk about specific uses that we want out of it in the future, whether it's to get a haul and baby showers and so on and so forth, or some kind of a public use. I'm glad to hear that the owner is open to selling. I think when we buy it outright, we can do both. We can use it for public good. And if an opportunity comes up to develop it in a different way, we always have that in front of us, but we can cross that bridge when we get there.

At this point, do we have any questions, comments for Jason or city management? I see -- you don't?

CHAVIRA: No, I haven't.

MAYOR RODRIGUEZ: Okay. Anybody else have any comments or questions at this time? You guys all know the building that we're talking about.

ALL: Yes, absolutely.

MAYOR RODRIGUEZ: Okay. Good. Well, with that, I will entertain a motion to approve or deny.

GÁMEZ: So moved to adopt resolution number 2599. Okay. We have a motion to adopt by Council Member Gamez. We have a second by Council Member Erives.

All right. Both of which are to approve.

All those in favor, please signify by saying aye.

ALL: Aye.

MAYOR RODRIGUEZ: All those opposed? All right.

Keep us up to date, Jason.

Okay. We're going to move on to J, work study and presentation for discussion. Fiscal year 2026, second budget work study Chief Financial Officer Artz. You have the floor, sir.

ARTZ: Thank you. Good evening, Mayor and Council.

We are here tonight to go over the second budget work session. At the last meeting, we went over the revenues. Tonight, we're going to focus on the General Fund and all of the expenditure requests in the General Fund.

The first slide is showing each of our different funds that we have and what we're estimating the beginning fund balance to be, revenues, expenditures, transfers in and transfers out, and then our ending fund balance.

So for the General Fund, we're projecting or estimating beginning fund balance to be almost \$80 million, projecting \$49 million of revenues. You've got a budget request in front of you tonight for \$71 million of expenditures and \$13 million of transfers out. So that leaves us a total ending fund balance of \$44 million, which is still very healthy and above our policy for fund balance. Our policy is that we should maintain a fund balance of 20 to 40 percent of expenditures -- of budgeted expenditures, so I would include transfers out in there also. So looking at approximately \$80 million of expenditures and transfers out, so that would be between \$16 and \$32 million would be policy for our fund balance. And we feel that we have been very conservative in our estimates in the beginning fund balance. So I'm confident that that ending number will exceed the \$45 million or the fund balance policy.

Just to break down the General Fund by function. Function is the way we categorize our expenditures in the financial statements. So General Government, which is City Manager's office, Mayor, Council, Finance, IT, Employee Resources, all of those general type functions. Our total budget's about \$15.1 million or about 21 percent of our General Fund expenditures. Public Safety is a little over \$15 million or 21 percent. Now,

this doesn't include the Public Safety Fund tax portion of it, so this is just the General Fund portion of our public safety. Highways and Streets is \$1.7 million, about 3 percent of our total budget. Culture and Recreation is almost \$8 million, approximately 11 percent of our total budget. Economic Development is 1.6 million and then Capital Outlay is almost \$30 million.

And so you'll see that there's a large increase on our capital this year, so this is just showing our current year budget versus what we're asking you to consider tonight. So if you look down there on the bottom, the capital budget's going from \$12 million to \$29 million, so \$17 million increase is on the capital side. The biggest piece of that is for Economic Development Opportunity Fund for the property that's located at the North corner here of 91st and Van Buren. So there's nothing that's imminent or coming right away, but we wanted to give Council the flexibility, so we budgeted for it in this year. So if that project does move forward, that we have the budget flexibility to move forward on that and not have to wait for one more year to move forward on that. So that's where the majority of our increases are coming is in the capital side of the budget. We also programmed in salary increases, so for the 12 months ending February, 2025, the consumer price index increased by 2.8 percent, so that's a measure of inflation. So for the non-public safety positions, the salary range is being adjusted by 5 percent. And then we're proposing a 3 percent cost of living adjustment. So that's approximately what that consumer price index increase is.

The merit components are broken down into a leading category and a performing category. So it's similar to, like, a meets expectations and exceeds expectations. And so for the leading category, the merits range from 2 percent to 5 percent, depending on where you fall in the quadrant. And for the performing category, it would be a 1 to 4 percent adjustment for merit. When we look at the public safety employees and what we're considering the public safety in this situation for police is sergeants and below, and in fire, it's the captains and below. So the police range adjustment is 8 percent and we're budgeting a 4 percent cost of living adjustment. For fire, the salary range is 5 percent and budgeting a 4 percent cost of living adjustment. So 1 percent

higher on the cost of living adjustment for the public safety employees.

The range adjustments are based on a study that was done by Employee Resources. They did a mini study and determined that the range for the police staff had fallen a little bit below market more than the others, so that's why we're proposing an 8 percent increase in the range on police.

DAVIS: I understand the range adjustment higher for public safety, but we're a very competitive country. This should be a small city, but I would also agree the cost of living adjustment is 4 percent.

MAYOR RODRIGUEZ: They do really good work in a professional manner. And if we're going to get public safety 4 percent, which I'm not arguing that they don't deserve, I'm just arguing that General Funded employees also deserve 4 percent.

ARTZ: Right. And what we can do, Mayor, is I can bring those numbers back to show the actual cost difference of doing that so that Council has that information. So we can plan on bringing that back at the next meeting so that you have the actual dollars to make a decision on that, but we'll present that to you at the next meeting.

So for public safety, it's the same on the merits. The merits are the same as the non-public safety, the 2 to 5 percent and 1 to 4 percent for performing. The only other thing that's increasing or the differences is paramedic pay or increase or proposing to increase that from \$2.58 an hour to \$3.10 an hour. So that would just be for the paramedics.

Correct. So going from \$2.58 to \$3.10, so about a 50 cent per hour increase.

MAYOR RODRIGUEZ: And I'm assuming that's a direct increase from the vendor.

ARTZ: Mayor, it's not from the vendor; it's just based on the market study. We looked at where other communities that are in our market are paying the paramedics, and so that's what we're proposing to --

MAYOR RODRIGUEZ: When you say paramedics, you're talking about the ambulatory service that we contract out?

ARTZ: No, so these are our fire staff that are certified as paramedics. They get an additional paramedic pay on top of their base salary. And currently it's the \$2.58 proposing to go to \$3.10. Yes, that's just for the paramedic certification. Yes.

Sorry about that.

So the cost of the salary increases, the cost of living for the General Fund is \$628,000 total for all funds, about \$750,000. The merits \$650 and \$785. So total adjustments are coming in about \$1.28 million for the General Fund and \$1.53 million for all funds, which would include Utilities and the Public Safety funds. So when we come back at the next meeting, I'll update these numbers so that you can see what the increase to the General Fund would be by doing a 4 percent cost of living adjustment or adjusting if you're wanting to see it both ways. Okay. Okay.

MAYOR RODRIGUEZ: I would go with 4 percent for everybody because you're tying it to cost of living. And so I understand that a police officer may get paid more than -- let's say in Phoenix or in Avondale or Goodyear, and they want to incentivize them to leave our organization to go somewhere else. We have to remain competitive because we have a public safety mandate from our residents that we have to provide the right level of public safety. So I think that makes sense from a salary standpoint, but from a cost of living standpoint, everybody's affected by the same way by living adjustments. So why would we pay some departments 4 percent and other departments only 3 percent? I would argue that it would be appropriate by the numbers to go 4 percent across the board and make everybody whole. It doesn't do you good to make more money if you're spending more money because of the cost of living. You know, I think we want to stay competitive in every job description, not just public safety.

GÁMEZ: Yes. I agree with that premise that 4 percent across the board for public safety; it's good and it's fair. That's the way it should -- I agree.

DAVIS: I also would agree with that. I think that's a good point. I think it's time to do it right now in terms of incentive. I think that's something that we can do.

CHAVIRA: Of course. Yeah.

ERIVES: I did ask Mr. Artz earlier in the day about our budget because we also have to pay attention to our budget, right? But we have a very healthy budget. We're very fortunate that we've been very prudent. You all have been very prudent. Mr. Art does a great job. And so we have the ability to make some of these decisions, and I think all

employees are important for sure. Well, let's see the numbers. I would like to see the numbers, but I agree that all employees should be treated fairly and the same.

And that's what makes Tolleson great, right? We take care of our family.

MAYOR RODRIGUEZ: Heard the word fair a couple of times and I can't echo that enough. I think that would be the most fairest thing that we do when it comes to Tolleson.

Other comments on this one?

ERIVES: No, I'm good.

MAYOR RODRIGUEZ: No?

ERIVES: I agree, yes.

MAYOR RODRIGUEZ: Is that enough direction or --

ARTZ: I believe it is. I just want to clarify, we're moving forward with the 4 percent or would you like to see 4 versus 3 across the board?

MAYOR RODRIGUEZ: I'm okay with just 4, but if people want to see the numbers, I mean, it's just a couple more buttons that you have to push and put on the PowerPoint.

ERIVES: Mayor, I'd like to see the numbers, just how does it impact us?

MAYOR RODRIGUEZ: Yeah, so this is the number that --

ARTZ: Got it. So yes, thank you. Thank you, Mayor.

ERIVES: Right.

MAYOR RODRIGUEZ: Just so you guys know, the most important thing that you can do as a Council Member and the Mayor is approve the budget, so it's important that you ask questions and you have that opportunity. Because once you adopt it, that's cool. That's what we're spending. And it's just as important to do that, your job as a Council Member and a Mayor as it is to hire the right people to do the job. And we have all stars. Mr. Artz is the best of the best. And we are very lucky to have him, his staff, and the rest of city management that makes our job that much easier.

So thank you, Mr. Artz.

ARTZ: Thank you, sir.

MAYOR RODRIGUEZ: So we're done?

ARTZ: 60 more slides to go.

Okay. So in the budget that's before you, there are some new position requests, a total of five FTEs. So there's two part-time recreation aids that are being requested. There's two part-time positions in the Social Club and two full-time positions in the Social Club. So that's the extended hours of what we used to call the Senior Center. And now, yes. So the grant was for one year; it was a \$500,000 grant that we got for one year. And so if we want to continue with the extended hours, we have to come up with the local funding to pay for those positions and the programming. So this would add the two full-time and the two part-time positions so that we could continue with that programming.

ARTZ: Mayor and Vice Mayor, I would say that the numbers have been outstanding. Let me tell you, for those of you who haven't been there, but the programming has been exceptional. Our staff have put together outstanding programs.

You see people in there at 3 o'clock, they're turning the key, they have all kinds of activities, they're going to the horse track, they're doing all kinds of fun things. They'll have a lot of fun. So this has been our current grant cycle, but following of that cycle, we would like to continue that program. Something that we're all focused on, that matters, and I think that's the focus of that. So it does cost for us to have staff there to make sure that we're doing okay and it's a very well-programmed program.

MAYOR RODRIGUEZ: What I would add is, I can only use my parents as an example. They come to the senior program; they have a blast. And in the past, they would sit there, drink a cup of Citro, have some breakfast, and just watch TV. And just sitting there all day, it's not good for your health. And, you know, and so now we get to come to the senior program, hang out with some of the colleagues that they used to work with, or people that they know from the community, socialize, get a meal, then they get to go home. And those that maybe don't have the ability or the income, or you fill in the blanks, can now have an option to come have dinner with us, spend time in the evening here at the senior center, and we maximize the use of our senior center. So I think it's a win-win for everybody. So yeah, I think it's awesome to continue. And I hope it

continues to grow and the popularity continues to grow as well.

ARTZ: Mayor, if I could add, what's the takeaways that we did want to, increase the hours, and so that we can help people and help us here in the Valley, and help us here in the community, and therefore, they're not only using their own air conditioning, but when they have air conditioning, it's healthier for them to build their own set of doors. And then one of the just heartbreaking things that we saw during the pandemic was the social aspect of the next slide. We had Pilar and others suggest that the focus on the Social Club in the Hispanic community. And in Spanish, it was sociales. Because what we saw was the diminishment of their social interactions. For a lot of people who go there every day, that's the most important part of their day. Even in the spring, during the pandemic, they were cooped up, alone in their house, with their families, or whatever. You couldn't be around people because they had COVID and it was just a horrible time, but it really does a whole lot for seniors. And so we wanted to focus on the socialization aspect, but also on the continuity of the project to deal with that and to make it better for them.

MAYOR RODRIGUEZ: So I'm glad you shared that. Yeah. No, I think it's a continuation of the same thing. A lot of our senior citizens suffer because of lack of interaction with other human beings. And so to have this extend like this, I think it's just another opportunity to improve the quality of life that much better in the community. And so I'm 100 percent behind it. I don't know if anybody else has any other opinion on the matter.

GÁMEZ: I just have a comment in terms of -- you mentioned the AC unit, maybe. I know we had the program that people that need the AC unit during the summer, and it's hot in the summers. Are we going to -- is there a plan to buy more? Because they're in good use. I don't know how many we have, but it's something to consider because we need to deal with that. And that's the reality. Not everybody has an AC unit at the house. And if you have a -- what is it, evaporative, how are you going to cut it?

MAYOR RODRIGUEZ: Even if they do, if it breaks down for the next couple of days before they get it repaired.

GÁMEZ: So I just want to know what the plan is if we're going to continue to do that and add some more to it.

ARTZ: I've been involved in it. Mayor was on it, yes. He had a great program last year. He was the floor planner for the student movement program. He left out approximately 50 units, some of which still have them, some of which have turned them up, which is wonderful. And as for how we can organize and get these new projects on two fronts, in the preparedness front and in the Human Services Department for the work of the school to lead. We also have a very elaborate repair program for students (indiscernible), and we have a 24-hour on-call system that we can get someone out to repair it because we are so sensitive; we've saw more deaths in the Maricopa County community than ever before last year. We've seen the impact and the change in how we're dealing with this to ensure the safety of our senior citizens. Thank you.

GÁMEZ: Thank you, sir. Do we have any information in our website in terms of the phone number for assistance?

ARTZ: Mayor, I'm sorry to interrupt, but I believe that we do have that information out there. I mean, we just put out the phone number and we're starting to talk about it.

SINAWI: Mayor, Council Member Gamez, we have sent out some information that we could give you -- a kind of a graphic to see if you can forward it and see if you can ensure that how people that need that will contact the department for support. So we did do a door-to-door response.

GÁMEZ: Okay.

SINAWI: So we give you that to make sure that they're looking and trying to make sure that the community is aware of the service. And then, you know, some of the things that the government is looking at with the department that we have to give them support are residents not only providing them with treatment, but then also getting them in contact with someone that actually is helping.

GÁMEZ: Thank you so much.

SINAWI: I'm sorry. You know.

GÁMEZ: Thank you. Sorry to cut into your time there.

MAYOR RODRIGUEZ: We have all night. What else was there? I don't want to ask her to pause if she's done with the presentation.

ARTZ: And then the final position is a full-time engineer in utilities. And we'll go into a little bit more detail on that one when we go over the utility budget.

Just wanted to touch briefly on our retirement system funding levels. We're at almost 92 percent on the fire and 97.5 percent on police, so this budget does include an additional \$2 million payment. And we're hopeful that next year's budget will be the last one that we have to do that until we're fully funded or at least be a reduction from the \$2 million. We may not need to spend the full \$2 million after next year.

DAVIS: Perspective on this from somebody who works with a lot of cities and towns?

ARTZ: I think I do.

DAVIS: You're so far ahead of where most are. Like this is pretty incredible.

ARTZ: Yeah.

DAVIS: Like those numbers are incredible.

MAYOR RODRIGUEZ: I thought we were going to start to look at reducing or eliminating 2 million from having to invest in this manner because our percentage is so high.

But what would you say the average city is at?

DAVIS: If you're looking at --

MAYOR RODRIGUEZ: Yeah.

DAVIS: I mean, the market's been good and has helped in a lot of ways, but that's -- I'm seeing a lot of -- yeah, 60s, 70s. I haven't really seen anything in the 80s that I can remember. And I've seen a lot of budget presentations. So, yeah. There's --

MAYOR RODRIGUEZ: And I will add that this was something that Council years ago when this whole unfunded liability issue came up, considered to be a major priority for Tolleson. We wanted to make sure that our fire and police officers that took their life on the line every day were taken care of. And so we purposely started to budget specific amounts of money to send just to the unfunded liability because we wanted to make sure that we were doing right by our fire and police officers. Keep the --

ARTZ: You made a lot of comments about the fact that you were kind of following that whole thing and you were able to see that it was almost 100 percent of your support in getting that unfunded liability to where it is now. So I'm seeing that.

MAYOR RODRIGUEZ: Awesome. So it's a win-win. This is really good. And thanks for pointing out that other cities are nowhere near what we're at. So, anytime you do that, you do that, it's a good thing. But, you know, at the end of the day, this is a --

ARTZ: Yeah, thanks.

MAYOR RODRIGUEZ: So when will we get those updated numbers?

ARTZ: Mayor, we will get the updated numbers in December of this year. So when we get those numbers, if we are 100 percent funded, we wouldn't have to spend the \$2 million the next year. We just want the, again, the flexibility and we've got it in the budget. But once we get the numbers in December, we'll know exactly where we are. And if we have to spend that \$2 million or some amount that's less than that.

MAYOR RODRIGUEZ: Is that in a year? Let's get there.

ARTZ: So Mayor, that was kind of a high level what we've done with the budget. Next, I've got each department listed and then the changes in each department's budget, so this is just a table. The next three slides are just tables of what the current year budget is, what the next year budget is, the dollar change, and a percentage change, so just looking at the first column there. So Mayor and Council is going from an \$882,000 budget to \$914, a \$31,000 increase or about 3.5 percent. And so that's -- we've got each of the departments and orgs listed here. I won't go over the information here because in the future slides, I go into more detail on all of these items. So for Mayor and Council, a \$31,000 increase, 3.5 percent. What this is, is last year when the City Attorney sent us a revised contract and it included a contract amount and then an administrative amount. And I missed that when I put the budget together last year, so I only included the one number in there, so that was my error. And what this is --

MAYOR RODRIGUEZ: Sorry, we're good.

ARTZ: And so what this is doing is getting the budget in the Mayor and Council

budget, which is where Legal Services are paid from the \$30,000 for the admin portion of the bill, so it's not an increase in the contract. It's just that it didn't get budgeted last year or in the current fiscal year.

In the City Manager department, the budget increased by \$28,000. All of that is just wages and benefits, so we did budget for all departments, an increase in benefits of 10 percent. So health insurance, dental insurance, all of those types of benefits.

We've just projected a 10 percent increase until we get those bids back in.

Public Affairs Administration, the budget increased by \$266,000; \$97,000 of that's in wages and benefits. We are also requesting a transfer of a position, so an FTE being transferred from streets into Public Affairs Administration. So that's an increase in this budget of \$130,000. When we get to Streets, you'll see that there's a decrease in it. Not the exact same dollar amount, but there is a corresponding decrease. And then there's furniture of a one-time basis for the waiting area upstairs, just to get some furniture in that area that's open now. It's a position that was in streets that the Development Services Director determined that they didn't need to fill. And so instead of it going away, requesting in the budget that it be transferred to this department. And if there's any more details then --

ERIVES: (Indiscernible).

MAYOR RODRIGUEZ: That department is growing significantly and it's continuing to grow. So I think at a certain point, I mean, we're only the size that we are.

MEDRANO: Just to -- you're right, sir. It has -- it's congruent with Council's level of activity. It's a very exciting time to have this Council as involved as you all are. And we're trying to match that intensity.

ARTZ: Mayor, I should have mentioned when I started the departmental sections, if there are specific questions you have that each of the departments are represented here that can answer the specific questions better than I can, I'll just hit the detail or that higher level.

In Housing Services, the budget's decreasing by \$98,000. And what we did there is we decreased the lot acquisition. There was a budgeted line item in there for lot

acquisition for \$100,000 -- determined that we hadn't spent that in several years. So we're taking that out of the budget and decreasing that line item by \$100,000.

In the City Clerk department, there's a one-time request to basically digitize a lot of our records. And so there's a request for \$100,000 for a contract to have a vendor come in and get a lot of our records into a digital format. And so this is -- you know, citywide would help all of the departments that have paper copies of documents and then try to get them all in a digital format.

Employee Resources, \$150,000 increase; \$43,000 of that's wages and benefits. The other piece of it is a subscription for a new payroll system. And so we're in the process of implementing a new payroll system, but for that next year, we're basically going to have to have both payroll systems open for a certain time to do the W-2s because it's going to be coming out of two different payroll systems, unfortunately. So this isn't the ongoing cost. This is the cost to basically have two systems, but then the next year we'll be able to eliminate the subscription cost for the one that we're currently on and then just move forward with the new payroll system.

JACKSON: Good evening, Mayor and Council. The reason why it's a subscription is because most products right now, software products are in a cloud space. So we pay a subscription cost; we pay per check fee for each employee. It's nothing that's new; it's the standard now. Oh -- the UKG product -- I don't know if I can say the vendor on open meeting -- but the UKG product is what we're moving to. They can calculate our benefits and our compensation better than the current product that we're in right now. The only reason why we moved from UKG before -- we was in an older product and they did have a cyber issue with that older product, but now we're moving on to a new platform and this new product can calculate all of our payrolls more accurately than our current system. So right now it is posing a lot more legwork for our Finance Department to proof over all the payrolls. This product would ensure that it can calculate more effectively for both HR and Finance. It's a more robust system.

ARTZ: City Magistrate's increasing by \$27,000. The majority of that's in wages and benefits increase. Court Admin actually decreasing by \$13,000. So it's a combination of

an increase in wage and benefits, but then the public defender costs is being moved out to a different org, so the judge requested that the public defender not be part of his budget because he didn't want to oversee that function. And so we're moving it out of Court Administration into a different org. And where it's moving is into what we call the City Prosecutor. So it'll basically be called the City Legal Services budget, and that'll have the contract for the prosecutor in there and then the contract for the public defender. So this increase -- it's going up by \$80,000 for the public defender contract. And we're moving \$40,000 of that from the court. So it is a \$40,000 total increase in the public defender costs for the city. And we just went -- I don't -- did we go out to bid? But I know we just entered into a new contract with the public defender and it was for the little over \$80,000.

In Finance, \$142,000 increase. Wages and benefits, \$38,000 of that. Insurance premiums are \$38,000. So if you recall, a couple of years ago, we consolidated all of our insurance budget into one budget into Finance. And so that's the total increase citywide that we're seeing as an increase to our insurance premiums through the risk pool.

MAYOR RODRIGUEZ: (Indiscernible).

ARTZ: Going backwards.

JACKSON: Yes, Mr. Mayor and members of Council, we did have a competitive RFQ process and we did have someone submit. We did do interviews and we went with a particular vendor that did put in for it.

MAYOR RODRIGUEZ: Oh, that we're just not handpicking people, that we have a full process. And anyone who is interested in doing work with the City of Tolleson as a public defender or any other public process, they're more than welcome to come to our webpage and submit their bid. And we're going to go with the most responsible and most appropriate financial vendor that can provide the services to the City of Tolleson.

JACKSON: Thank you.

ARTZ: And then the final item for Finance was subscription costs for the new financial system, so we've implemented the financial part of the system, but we're still using the

legacy system for our water billing. And so the water billing is going to be converted to the new financial system, hopefully July 1st, but we'll have some payments that are occurring again. Same thing, we're going to have to keep the existing system that we're in for a little bit and the new system, so we're paying for both systems until we get fully implemented on the new system. But this is just for the water billing portion of it.

Information Technology, a budget increase of \$291,000, \$56,000 in wage and benefit increase. Subscription increase here as well, and that's for the Office 365. So we just recently converted to Office 365 and this is the ongoing cost that we need in the future budget years to pay for those; used to be licenses, but now it's a subscription-based product. \$30,000 increase in professional services. And then phone services is going up 16,000. That's similar to the insurance premiums. Last year, we moved all of the phone services into one line item into IT, and so we're requesting a \$16,000 increase in the budget for phones.

Police Admin. The \$142,000 increase in their budget. Wages and benefits is \$152,000 of that. We're actually reducing electricity in their budget by \$20,000. And then they also added \$5,000 for increase to the Police Explorers Program.

Support Services or dispatch. We're seeing an increase of \$142,000. Most of that coming in wages and benefits. Electricity. We were allocating all of the electricity to Support Services or dispatch, and then that was getting billed out to our partners. So we've moved some of the electricity to other departments so that our partners aren't paying for the entire electric bill at the police facility, so that was just a minor reallocation between different budgets. And then a training increase of \$9,000.

Field Operations, increase of the budget of \$480,000. Wages makes up \$377,000 of that. Professional services, a \$60,000 increase. And that's for the in-car cameras that the department has implemented. And then an increase in fuel of \$20,000.

ERIVES: I have a question, sorry.

ARTZ: Yes.

ERIVES: I'm sorry. I'm not sure like where it falls under, but what about like the electric vehicles and the creating a station where they can charge? I see used minus electricity,

minus electricity, but I know that's not what you're mentioning, but it reminded me of our electric vehicles. Is that like on a different slide?

ARTZ: Yeah. Mayor and Council, the capital side of that -- so constructing the charging facilities will be in the capital.

ERIVES: Okay. Okay. Sorry.

ARTZ: You have funds in for that also.

ERIVES: Thank you.

MAYOR RODRIGUEZ: Randy? You have your hand up?

BALCHUL: Yes, Mayor, members of the Council, Council Member Erives. We have installed charging stations already for their police vehicles. The other side of it is the front side of it will be the next step is providing charging stations for people who are coming through our town or residents who have electric cars as well. So I think we did eight chargers already for the police station for their police cars.

ERIVES: Okay. Okay. Thank you. Thank you.

ARTZ: Thank you.

In the Library Department, an increase of \$191,000. Wages and benefits is \$171,000 of that. And then internet service, a \$20,000 increase for internet service in the library. Fire Administration. The budget's actually decreasing by \$63,000. There's a decrease in the wage and benefits that has to do with some of the turnover that we've had in administration, and also the previous chief was in the public safety retirement system, so we were able to decrease the budget for that. So it's just some of the turnover that we've had there. We were able to decrease the budget. And then there was a training increase of \$7,500 and then an increase of apparel for \$5,000. So those netted out to the \$63,000 decrease in fire admin.

Fire Operations. Budget increase of \$326,000. Wages and benefits, \$247,000 of that. Professional service increase of \$50,000. This is -- I think it's a new program you said for cancer screenings. And I'll let the Chief talk about that.

MENDOZA: Yes, Mayor and members of Council. (Indiscernible).

We now provide early cancer screening. Firefighters, the mayor may not

know, firefighters tend to get cancer at a higher rate than what the public does. And so there's a deal with the Fire Department that's been put by us, but that fits different types of cancers earlier than if they were to get screened. So like one of the examples is lung cancer. Scott's Cancer Center of firefighters is recommending that general public not to test cancer for lung cancer, but you have to be tested for the age of 55 or right now. This will help us provide access, means they also provide access for female firefighters that other places cannot. It's once a year, part of their yearly fiscal.

ARTZ: Emergency Preparedness is the next department. We're seeing a decrease of \$153,000 here. Wages and benefits are decreasing by \$200,000. And then there's a sister city program -- an increase in sister cities of \$10,000 and contractual services for physical vehicle barriers at some of our special events and that type of activities for \$50,000. And so the wage and benefit decrease is that we transferred the Director that was in that department and his salary is now being charged to the Housing Services, Human Services area and is partially reimbursed by some of the grants. So we were able to eliminate the FTE or the cost of the FTE in the Emergency Preparedness Department and move him into the vacant position that we had in human services.

Aquatic Center. So this budget has not changed. As you recall, we budgeted for the Aquatic Center in the current year, just to make sure that we had the money to operate it. So, you know, that money's already in the budget. The only thing that we're asking is we will request two FTEs for the Aquatic Center so that they can hire a couple of staff once we get closer to it being completed and so that we have some of the staffing in place before construction is completed. So no increase to the cost, but there will be two additional FTEs, but those funds are already budgeted and we have \$1.5 million budgeted for Aquatic Center -- for operating the Aquatic Center.

Field Operation Vehicles. Budget increase of \$34,000. It's wages and benefits, \$21,000; some small increases, tools and supplies for \$4,000 and \$5,000.

Field Operation Grounds, increase of \$16,000. Wages and benefits and professional service increase.

In Building, an increase of \$83,000. Again, most of it in the wage and benefits and

\$2,000 in apparel.

Building and Inspection, \$73,000 increase. All of that was as a result of the wage and benefit increases.

Streets, we're seeing a decrease of \$91,000. And again, this is the elimination of the position in the Streets Department, so it's going down by \$91,000 and that position being transferred to Public Affairs.

Transportation, just a small increase of \$7,500 for marketing. So just some additional marketing funds or actually -- they didn't -- I don't believe they had any marketing funds previously. So this will give them \$7,500 to market and promote the transportation system.

Human Services. So a budget increase of \$450,000, 41 percent. The majority of this is in the extended hours for the Social Club. So that's a \$300,000 of the increase for the two part-time, two full-time positions, any programming that we would have. And then wages and benefits for the existing employees of \$102,000. And then there was also a request for homeless placement services for \$50,000.

And I don't know, George, if you want to give a little bit more detail on that one.

GOOD: Thank you, Kevin. Mayor, members of the Council. This is part of the discussion that we held a couple of weeks ago was talking about the urban camping. What can we do with the folks who find that it's hard to find a house that they can afford and care for their children? (Indiscernible). We have a contract we could use with a number of different cases of survival services for those people that need help, hopefully, 24 hours a day, check on people. We did estimate that cost at \$50,000. We'll talk more about that in our study, but we'll be able to do something about that cost.

DAVIS: What would that have to do with that help?

GOOD: Mayor and Vice Mayor, you have to absolutely be able to do the job with the full-time program for hotels, for staff, for community bridges, for a number of different supportive states to provide those services.

ARTZ: Non-profit donations, no change in the budget there.

Recreation, a \$400,000 increase. Two part-time recreation aids at a cost of \$70,000.

Wages and benefit increase of \$78,000. And then we've also got a couple of other items, contractual service for \$40,000, tentative preschool funding of \$200,000. So this is something that's in discussion at this time, so nothing's been finalized, but again, giving us the ability to do it if it does move forward, requesting an additional \$200,000 for the preschool funding. And then a \$19,000 increase in promotions. This was for a stage and some additional entertainment.

I don't know, Randy, if you wanted to add anything on that.

BABCHUK: Yes, Mayor, members of the Council. So Luces, we want to do something different and add a second stage down on 91st Avenue in Van Buren and host the car show down on that and have additional entertainment and a stage down on that end of the event. So that's going to have an additional cost with the sound stage and then the entertainment.

MAYOR RODRIGUEZ: How about 94th Avenue?

BABCHUK: 91st. Correct, on the east side of the event where the rides used to be. So we're looking on changing where the rides are, being closer to where the parents would be. And then Sunday having a separate stage with separate entertainment, so people have a choice whether they want to listen to a different type of genre, which we won't have the two same genres going on at the same time. It'd be offsetting in two different types of music.

MAYOR RODRIGUEZ: Thank you.

ARTZ: Teen Council. A small decrease in their overall budget of \$3,500.

City Promotion, an increase of \$38,000. So \$35,000 in city promotion, \$2,000 in food and meals.

CHAVIRA: I'm sorry. Going back to Teen Council, does the budget include the funds that would be needed for the Teen Council to accompany this Council on the annual trip to D.C. if that's available?

ARTZ: I didn't put in an additional request for it, but is --

SINAWI: Mayor, Council. Yeah, see, now this one works. Mayor, Council Member Chavita, members of Council. So what we used this year is the special project related

fund from the Council since it was a desire of the entire Council to have the teens participate, so we were able to use that fund. So we didn't allocate additional funding. We do have that fund available of \$15,000 for them to be able to go to D.C. again.

CHAVIRA: Great. Thank you very much.

DAVIS: (Indiscernible).

CHAVIRA: Either.

SINAWI: Mayor, Vice Mayor, members of Council, I think in order to be able to accommodate that, I think we would probably need a total of \$40,000 for that. So we currently have \$15,000 in the Special Related Project fund. The reason I'm saying 40 is I know the Teen Council -- like I know, like, because of, like, just the short notice, we had some connecting flights. We definitely want them to have a better flight experience, you know, to ensure we get some direct flights. And I think \$20,000 per each trip would, you know, accommodate them to be able to travel to both conferences because what we had in D.C. was that all of the elected officials in the Teen Council were able to attend and then in addition with their chaperone, so it covered that. So I think a total of 40 would be able to cover those costs, at least based in DC. I mean, after their first year, then we can kind of just take a look at the budget. So we would -- that would require an increase of another \$25,000 to be able to accommodate that. But I'm not sure if that's, you know, what the entire Council would want to do.

MAYOR RODRIGUEZ: (Indiscernible) talking to teens to go to. But yeah, no. I think if we budget 40 or 50 and we use what we need to use to attend both, and then we can adjust for future years.

CHAVIRA: Yes, I agree.

DAVIS: Yeah, we all survived.

GÁMEZ: Any time you can send students to learn about government, it's a good thing. But at the same time, let me ask you a question. You guys have fundraisers for yourselves? Very good. And that money can be used towards the events as well. You guys have a little skin in the game but you got to work for it, earn it. And I think

that that's fantastic. Thank you.

BABCHUK: Thank you, Mayor, Members of the Council. So they do fundraising at every one of our events. And usually those fundraising monies go towards their leadership conference in the summer where we take anywhere between 25 and 50 students, whether it's out of state. I know this year, they're looking at Greer. We take them out of their environment just so they can get a clear head. And what they do is they come back with a project -- a community service project for our community. And that's kind of where their monies go. So it all depends on how hard they want to work and how much they want to fundraise. They typically get their trips for free. That's how they sell it. It's that you can get your funding for free if you go out there and you fundraise and work hard. Like at Whoopee Daze, they cleared over \$3,000 out of their fundraising, so a lot of that funding goes to those and then they do the Cities and Towns Conference as well through that.

MAYOR RODRIGUEZ: I don't know. For the record, I've been buying Teen Council tickets for the last 10 years and I have yet to win one.

BABCHUK: Because you're the mayor and we throw yours away. I'm just kidding.

ERIVES: Donation.

DAVIS: You mentioned work for the community service projects.

BABCHUK: Yes, the community service projects. Every year, COVID happened and they're really starting to get back to it. Their first conference was this past year and they've come up with a project that they've been working throughout since they've been back. Absolutely. Absolutely.

MAYOR RODRIGUEZ: Local level. So it's good to have Washington D.C., right? But in my opinion, I think it's more important to govern locally in your own backyard.

So yes, Councilwoman.

ERIVES: I had just a couple of things. So I know y'all went and you had a fantastic time. So I like that follow-up of -- like, a report, what some takeaways, some aha moments that you had, that would be fun. But I also remember, as you're mentioning, Vice Mayor, the conference is also like an opportunity for them to present or be part of the

conference themselves. And they might be like a discount on how the funding for that, right? Like if they're actual presenters, so I'm just giving that challenge that, yes, you went to your first conference, but how about next time be one of the presenters or hold a forum for that youth conference? Maybe you get a discount, maybe you'd put some great experience and showcase all the things that you currently do within Teen Council on a national level. That would be awesome.

MAYOR RODRIGUEZ: Show that you guys got the moves.

ERIVES: Yeah. Right, yeah. That might be a way to pay for it too.

SINAWI: I'm sorry, Mayor, members of Council. So I'm like -- I heard 40, I heard 50.

I feel like I'll be an auctioneer. I'm not sure what you're --

MAYOR RODRIGUEZ: I think it's easy. We just do 50 and we use what we use. And then we're going to adjust in future years.

SINAWI: Okay. So then it would be to increase this project.

ERIVES: I agree.

SINAWI: So then it would be to increase the Special Related Project Fund from \$15,000 to \$50,000, and then to use that for the teens to be able to travel to these conferences? Okay.

MAYOR RODRIGUEZ: Director Artz directs you guys to do so. We're just saying 50.

ZAMORA: Okay. Thank you.

ARTZ: For Economic Development, the budget's decreasing by \$189,000. This is an economic development rebate that we had in previous years that's been paid off, so we're decreasing the budget for that. And then a \$10,000 increase in wages and benefits.

Planning and Engineering, a \$38,000 increase. That's all in wages and benefits.

Employee Development, this is the tuition reimbursement, so no changes or no request of an increase in this budget.

And then we get into our Capital Funds. So in our General Fund, we have the \$1 million private donation going to the Aquatic Center, so that's included in this year's budget.

And we've received those funds already, so we have that money available.

We still have a little bit of money in the Civic Center fund, so we're requesting to carry over \$175,000 of that. I know that there's been some discussions on what that could be used for. And so I think that'll be something that will come forward soon on that carry over and that funding that's available.

In Engineering, we've got \$7.2 million of capital requests. The big one being the Tolleson pedestrian bridge. That's a carry over, so we have it in the current year but requesting to carry that over. A couple of other carry overs there -- the computer system, that's the Building Department, so that's their new software, which will be the same as the Finance software. So those will interact and talk to each other.

But if there's any questions on any of these specific projects.

(Indiscernible).

BABCHUK: Council, that's the parking lot where the old gas station used to be, across the street from -- or right next to the public restrooms.

(Indiscernible).

BABCHUK: We have, but we think that's going to last a couple of years. We hadn't decided at the time. Tonight you approved the purchase of that property. We thought about maybe possibly building that here, so maybe we'll probably push that until next budget year, because that will last at least another year for sure.

MEDRANO: Currently, Mr. Mayor, members of Council, currently city vehicles and city employees park there to leave room for patrons that come in. Oh yeah. Right.

GÁMEZ: Parking lot upgrade. What parking lot?

BABCHUK: The --

GÁMEZ: Across the street?

BABCHUK: Yeah, the one where the old -- no, where the old gas station was next to the public restrooms.

MAYOR RODRIGUEZ: Awesome talks. And we had a couple of Council Members there. Apparently Pickleball is on the raise in Tolleson. And we had one particular member of the community that was extremely vocal, and he was basically saying that Pickleball at the rec center is mad house. We've outgrown the facility and we would love to see

some Pickleball courts built in Tolleson. My idea was we have property behind Veterans Park, and I know we tossed it around, but I don't see a problem with it other than finance, of course, building some courts to include basketball, volleyball and Pickleball behind Veterans Park. I just think of a couple of acres, develop that. And so not only do we fill the need of Pickleball users, but we also have basketball users and we also have sand or concrete volleyball users that can use the sand volleyball courts. And that would be a capital project, but I don't think in the grand scheme of things, it would be a bad expense. As a matter of fact, I think it would make Veterans Park that much better -- a wider offering to our community. So with that, I'm throwing that out there. Christine?

CHAVIRA: Mayor, just to add onto that, there was also some community members that were asking about like the Community Garden Park area and some shade structures for those. They were also mentioning over -- I call it McNeel park -- is that 95th? Again, about lighting. And there was just some different -- so I don't know if we just consider that considered parks, like in the tab of parks that need to be.

MAYOR RODRIGUEZ: So let's just go back and go one by one. When it came to the park on -- what was it? The one where your family's across the street.

CHAVIRA: Garden -- the community garden.

MAYOR RODRIGUEZ: Yeah, community garden. They were asking for a shade structure on top of the playground because it gets pretty hot. Even though it's not that big of a playground, it's still hot pipes, and just some general improvements. But I actually -- I've already seen staff at community garden doing some work at it, so that was good. Yeah, there's plans there. But the other thing that came up was McNeel park, 95th Avenue park. They were asking for enhanced lighting.

CHAVIRA: The lighting.

MAYOR RODRIGUEZ: And I didn't know if it was a controller issue where lights turn off at a certain time, or we can upgrade the lighting to where certain parts of the light turn off at a certain time and provide good lighting for the cost of lighting the entire neighborhood all night. I just -- I asked staff to follow up with that, but I don't know

where we're at.

MEDRANO: Mr. Mayor, members of Council, many of these opportunities could come to fruition this year once we get a better idea of how much cash we're going to need to finish the Aquatic Center. Once we get a better handle on that, we can probably address some of these things and we'll bring that back to you. And we'll also conduct obviously the community visioning sessions through the general plan process, through the project with the ASU and give us a better idea on some other project as well.

MAYOR RODRIGUEZ: So I just thought it was really good feedback. And I actually agree that, I mean, it's probably a pretty good opportunity if we have the money to do some of these projects. So I'll go with -- we'll revisit as soon as we find out how much the Aquatic Center is going to cost us.

Yeah, Randy.

BABCHUK: Mayor, members of the Council, so we also have -- currently right now we have solar powered lights at McNeel Park. We can look at adding a couple more, but that's currently -- you don't have electricity to that park yet.

MAYOR RODRIGUEZ: That's up to you guys. Me personally, I don't do solar lights. They don't meet standards that we build parks to for security lighting.

BABCHUK: Right.

MAYOR RODRIGUEZ: But every city has their own standards. They don't meet our standard. And when you go out to a park that has solar power lights, it's dark and just it's just dark down there. So switching to an electric version, if that's the way we would improve it, that's fine. Increasing the amount of solar lights. That's up to you guys. I'm just saying that the concern came in from residents that it's pretty dark out there.

CHAVIRA: Basketball.

MAYOR RODRIGUEZ: Basketball, playground, and pretty soon 25 more trees.

CHAVIRA: Arbor Day.

GÁMEZ: Okay, sir.

CHAVIRA: I'm sorry. I don't know, because like you said, is this like when we like mentioned? So when you hear, like at Whoopee Daze, like all these things, oh, this is so

much fun, so great. But then they also come back with like, oh, you need to fix, right? There's a couple of things that people say. Traffic. I heard that a lot. The traffic, I can't even get to work. And I live in Tolleson, you know, from here was point A to point B. So I'm not sure if there's something like lighting, like the lights to be timed different. I'm not sure if there needs to be -- I don't know, technology that could help us, but the traffic flow just needs to -- people get upset. Remember we were talking about this as well? People get upset when they can't get to somewhere, so then they start to turn around and they go down Pierce instead of, you know, down the road and they get upset. I'm just throwing it out there. I heard Chief Mendoza had mentioned something about traffic units and different, you know, different things like that. So I wasn't sure if that's already being addressed, but maybe.

MAYOR RODRIGUEZ: Let's start with Director Earp.

CHAVIRA: Okay.

EARP: Thank you, Mayor, Vice Mayor, members of the Council. So I think it's May 27th. We'll be coming to you. Kimley-Horn is doing a traffic study, safety study throughout the entire city. And so they will give a presentation on what they find as far as safety for traffic. Now, as far as just the number of traffic, obviously Phoenix keeps building to the south of us and they're going to come through our neighborhood, but at least we'll have an idea of how -- if we can better the flow of traffic, whether that's through -- and I'm -- I have not talked to them, seen anything. I'm just saying that whatever ideas they may have, they'll present that night. And then we'll figure out if there's a cost associated with it and deal with that in the next budget year.

MAYOR RODRIGUEZ: The other part too is we need to continue to advocate as public officials for SR 30. SR 30 right now is designed -- in a design stage to be built south of Tolleson. So a lot of that Phoenix traffic can take SR 30 to access the 202 and go on further into Phoenix and not take 91st Avenue or 99th, which jams up or Van Buren for that matter, that jams up our roads during rush hour.

But Jimmy, you had your hand up?

DAVIS: I was just going to mention that for that, that that's pretty important. We'll see

that because I think that'll help the traffic as far as people not having to wait for the system to process for you. So I think that'll help the flow of traffic to Van Buren.

EARP: Yeah, thank you, Mayor, Vice Mayor, members of Council. We have a conceptual design that we'll be bringing forward to you here pretty soon and hopefully get started on that. I don't want to give a date, but very soon. It approximately -- the last time I talked to anyone, it may be about eight months, but I'll double check.

MAYOR RODRIGUEZ: It'll have some stuff on it. It's not just a basic bridge, just maybe something that's going to be proud of the parks.

Council Member Gamez, you have the floor.

GÁMEZ: Thank you. Yes, Mayor. Y'all know I live on the corner of 91st Avenue too. And traffic, obviously, I'm going to tell you, it's an issue. In the mornings, you have people practically racing up and down 91st Avenue. And what I think we need is those lights that Avenue has, they take pictures, tell you to slow down, get ticketed.

Something to slow down traffic. It is going, it's getting crazy.

MAYOR RODRIGUEZ: Get people's attention.

GÁMEZ: And yep, absolutely. And I'm telling you, I stand out there and there'll be times when people get out their cars and I think they're going to come to blows. And one of these days, something's going to happen even worse. I hate to say it, but it's going to happen. We need to come up with a plan. And again, if they're going to come out and do a survey or do what they have to do to find answers, then fine. But we need to do it quickly because it's getting worse. And I'm telling you, I know we all live here, but I'm right there. I'm right there, and I see it every day, and it's getting worse. And not only that, you have people having to inhale the exhaust of the cars. And then you tap that with Fabuloso from the laundry mat. And then all that together, that's a hell of a conference. It's nice. You go out there and oh, that's beautiful. It's not; it sucks, but it happens. So we have to address it because the quality of life from right here on Van Buren North to a freeway on both sides of 91st Avenue is not very good. It's not; it's terrible. So we have to address it and it is serious and it's getting worse. Thank you.

MAYOR RODRIGUEZ: And we also have our police department that's going to be hiring

some patrol officers. So hopefully that'll help out as well. It is a good idea, the police department.

Director Artz, you have the floor.

CHAVIRA: Sorry.

ARTZ: So in the Economic Development CIP, a total of \$15.6 million requests. 15 million of that is new for this economic development fund to help give Council flexibility for an economic development project that may come forward. And then there's also \$500,000 for land acquisition and improvements and \$100,000 of building improvements. So \$15.6 million total in the economic development CIP.

Finance. We have the carryover of our financial system, so that should be fully implemented by next budget year.

Information Technology. They have a request in for audio/visual refresh throughout the city, so updating our EV equipment and then also a vehicle, a pickup truck for them, as they're driving throughout the city and taking some of the equipment around. They've asked for a pickup truck.

Field Operations CIP. So we've got a total of \$478,000 requested here for AC replacements, police and fire building maintenance, converting Veterans Park to LED lights. So that's in for \$100,000. Charging stations. I believe --

MAYOR RODRIGUEZ: (Indiscernible).

ARTZ: I don't know, Randy, if you know what was in that 200, which vehicles were included.

BABCHUK: Thank you, mayor and members of the Council. We can look into it. The issue we run into with electric vehicles is they can't tow as much, so we're using these vehicles to tow our trailers and our mowers and things like that. So if we can get something comparable that can pull that equipment around, we definitely can look into that and start purchasing those.

ARTZ: For the Senior Center, these are all carryover items that were in the current year budget. I think possibly the steamer has been purchased this year. So we can reduce that out, but these are all carryover items for the senior center.

Parks and Rec facility. So there is a request in for \$282,000 for generator wiring, so we actually purchased a generator. I think it was its current fiscal year, we purchased the generator and then determined that there was some wiring upgrades that needed to be done at the building in order to have that emergency generator. Yeah, so emergency generator. And then more for AC units and then some other items for the Parks and Recs Department.

And then the final thing is Contingency. So typically we've budgeted \$2 million in the Contingency Fund. We're requesting an increase to \$4 million. And the reason we're doing this is really the Aquatic Center. So we've got a budget of \$32 million now in for the Aquatic Center, but we wanted just -- we didn't want to put it in the Aquatic Center budget. We wanted it in the contingency, but just some extra funding there for the Aquatic Center. And then as the City Manager mentioned, if we don't have to spend this on the Aquatic Center, then that would be flexibility for doing the shade structures or pickleball courts. So that's where we have some additional funding this year.

So if we do need to request additional funding for the Aquatic Center, Contingency requires Council approval to spend this, so we would have to come back to Council if the budget for the Aquatic Center goes over the \$32 million. Then that way you would have the ability to see what we're getting for those additional funds and whether you want to prioritize that or some of these other items that you've talked about tonight. But there is some additional \$2 million of funding in the budget for some additional capital items. And I think that's the end of my presentation for tonight. So we have the work study sessions tonight. And then in two weeks, we'll go over the rest of the funds.

May 13th, we'll request Council to adopt the tentative budget. June 10th, we'll do the final budget and property tax hearings. And then on June 24th, Council would actually adopt the property tax levy. So that's where we're going from here. And if you have any other questions on any of the details tonight or any additional information that you would like to see at the next budget meeting.

MAYOR RODRIGUEZ: Yeah, and Council, you don't have -- oh, I'm sorry. We have a hand up.

LABORIN: I just want to compliment you on your style of being proactive. I think it's so important. And every little thing you said, I put in extra money just in case we need it. I think that's excellent. I compliment you on it.

MAYOR RODRIGUEZ: Anybody else?

ARTZ: Uh-oh.

CHAVIRA: I don't know, I missed it. I'm like trying to read it. I have just one more thing. And then I'll leave this alone. Van Buren maintenance. I know it wasn't in this, but maybe in the next one, I want to make sure that we're allowing ourselves money to maintain some of those things that are looking pretty bad on Van Buren Street and specifically the tables and chairs that are there. They're in bad shape. We've either got to change them or fix them or do something.

I want it to be Paseo de Luces that you can walk and see that it's beautiful and that it's clean and maintained, and right now it needs some love. And it gets beat up by people that walk certain parts of Van Buren, so I don't know. Maybe we have to try some other kind of -- they're tearing up the tiles, so maybe we do something else, but --

MAYOR RODRIGUEZ: We put it -- we invested over \$10 million.

CHAVIRA: We did.

MAYOR RODRIGUEZ: And so we need to budget some money to make sure that it's maintained to the level or it's not even better than before.

Jason, you had to add up?

EARP: Yes, Mayor, Vice Mayor, Council Member Chavira. We do have a plan. We have a plan moving forward. We have a plan for this year with less budget and hopefully -- because there's a lot of things going on, right? So hopefully next year will be better, but we're going to start off with that parking lot. So with that parking lot in front of it, there's three right-of-way areas in front of that parking lot that we're going to kind of change out from the wrapping around the trees, do some up lighting because the trees sag, they tear, people unplug it to plug in their phone; all kinds of different things go on there. The bushes that are there, the leaves fall in, it's hard to get out. So we're going to do something different and use that as a showcase, hopefully. And if

Council thinks that -- and the community thinks that it's a good look, we will try to mimic that throughout the -- our downtown for the future years. But we're going to use that as an example of what it can look like. And we think it would clean it up and make it look that much nicer.

CHAVIRA: Thank you. It was a big investment. I mean, we need to maintain it.

MAYOR RODRIGUEZ: Vice Mayor.

DAVIS: We also had approved with the West Valley Arts Council, the Gallery 37 project, to put some more artwork up and down back there. So there will be some that way as well.

MAYOR RODRIGUEZ: Yes, Councilwoman.

CHAVIRA: Just to follow up on your Art Council. As we're getting close, because I know it's a little while, but the 100th anniversary is coming up. And so if we could start thinking about maybe an art structure, like something to go with that area that you're mentioning, something to memorialize this hundredth year of Tolleson. It doesn't really like just magically -- you've got to think about it, get some artists to get involved with it. How would that look? How would it -- not just for our 100th past, but what will a hundred years look like from now? What does our future going to look like to make it -- we're not just stuck here; we're continuing to thrive. So I'd like to see something with our 100th anniversary and make sure that it looks -- we plan for it. So yeah. Thank you.

MAYOR RODRIGUEZ: Well, I heard from this side. Hear from this side and then we have Randy.

BABCHUK: Thank you, Mayor, members of the Council. We're also doing a study on the vegetation downtown. What lasts, what kind of takes the beating and will last, so we should be seeing that soon. We're also in the works of making the Tolleson sign at the splash pad as well. I think they're in final design, so you guys should be seeing that soon as well. So we do have a few things coming up to beautify the downtown area as well.

ARTZ: That's it. That's it from staff perspective on this.

CHAVIRA: Thank you.

MAYOR RODRIGUEZ: Babchuk, he's --

CHAVIRA: He's like Cory Booker, right? He stood there for 25 hours.

MAYOR RODRIGUEZ: Okay. We're going to take five minute recess and then we'll be right back.

ERIVES: Okay.

(Recess)

MAYOR RODRIGUEZ: Okay. We're back in session. This is Mayor Juan Rodriguez.

We're going to move on to work study and presentations for discussion.

Item number 2, discussion on mayoral term limits. We're going to call up our attorney, but basically this is something that I've been throwing out there. Something that I ran on, something that I got a lot of feedback on. And it says discussion on mayoral term limits, but really it was mayoral and Council. But at the end of the day, that's what the discussion is for, to have the general discussion and to see what wants to be included or not be included or whatever the case may be. So at this point, I'll turn it over to our attorney.

PIERCE: Thank you, Mr. Mayor.

I sure know how to clear a room. Nobody wanted to hang out for this one. As you know, and we'll make this quick. I'm not going to go through the whole history other than to share with you that for a long time -- and there was a case that went up, a municipality tried to enact term limits. It was challenged because there was no enabling statutory provision that would allow a city or town to do that, even to send it to the ballot a couple of years ago. That was fixed in the legislature, which now allows a city or town to enact term limits, but it does have to be a voter -- an initiative or sent to the ballot from the Council. And so your options are -- we evaluated the statute on this question for the Mayor wanted to know, what options you can send. You could -- well, one, you could do nothing. Two, you could send to the ballot a question for the citizens to determine whether they want term limits on the Mayor only, term limits on the Council only, not Mayor, or term limits on everybody. Or again, you could do nothing. I mean, this isn't something you're required to do, so those are your options. And I know that -- well, I guess we'll -- I guess, Mayor, those are your options. And I

know you wanted to talk about it.

MAYOR RODRIGUEZ: Yes, I want to talk about it because I really do think that new ideas and an opportunity to serve is key to what we do as elected officials.

Some folks want to run for a very long time; great. We have other boards; they can serve here; they can serve in other places, but I'm the school of thought that if you can't do it in eight, buddy, you aren't going to do it. And that's the end of it. Get off of the chair and let somebody else that wants to do it, to do something, come in and do it. And in the last eight years in particular, we've had some additions. We've got Cruzita, we've got Chavira, and we have Jimmy Davis. We also had Councilwoman -- not here, the one that resigned.

GÁMEZ: Bandin.

MAYOR RODRIGUEZ: Councilwoman Bandin. And I thought they all brought in a new sense of life and purpose and background and made our Council richer because of it. And so, again, it says mayoral, but I think it's just a discussion on term limits. I would be okay if it was just the Mayor, because in my mind, if the Mayor's position is limited, then the likely ascendant to the position is probably going to be a Councilman, which would be a Council position, opening up an opportunity for somebody else to serve. And I do believe it was a -- I don't know if it was -- I don't think it was framed this way, but we had our Council here, our Teen Council. And I want to make sure that as we develop our youth and we prepare them for leadership opportunities, we also provide the opportunity for them to step up and be able to serve their community. I think that would be a great thing. And so it's not a call out on anybody in particular or my desires in particular. I mean, I've already been very clear of this. I'm serving two terms. That's cool. I'm done after this, and I'm completely okay with it. It's been a great ride and a dream accomplished. I'll just leave it that way. So really, I do think that to put something procedurally -- not procedurally -- but structurally in place that will allow new ideas and new folks to run and to induce their ideas onto this Council, some form of term limits would be something that I would advocate for.

And I did ask our City Manager and our City Attorney to bring it up for

discussion because my hope is that we put something on the ballot that the people from the community can respond to. And most cities right now, I believe -- correct me if I'm wrong, Justin -- they typically do two terms for Mayor or your term and three terms for Council. And I would be okay with four terms for Council, three terms for Mayor -- a combination of something that puts in place the opportunity for fresh ideas and new people to be able to join this governing board. And in a sense, that's my two cents worth.

Yes?

GÁMEZ: Just for information of the Council, Juan, you served for 18 years on this Council. Clorinda, you've been here for 16 years. Linda has been here for 24 years. And I'm the veteran -- I've been here for 40 years, 40 years. And I'll tell you what -- and there was a time that we had talked about this, this is way back in the day. But I think that the purpose for us continuing without term limits was to establish a very balanced environment by which business would come to the community because they would see that there was no conflicts in Council. And so that would be great for them to come and coupled with the labor force that we had, the transportation that we have in terms of rail, and we had the freeway -- everything was a positive -- the water flow. But the main thing was that they saw that there was balance and there was a pro-growth of attitude on Council. And so those individuals around Council, that was one of them. That was the purpose. Term limits, no term limits, my program, just get the work done. I think Glendale has no term limits. Maybe they do; the Mayor has been there forever. I mean, that's all there is to it. So it all depends on what works. Just because other cities have term limits doesn't mean that we have. I think that if it's been working and it's good, be it the Mayor, be it the Council, fine. But let the people decide if that's what they want to do. I was the first Mayor elected by the people. It was always the Mayor or the Vice Mayor of being appointed by Council. Then we went out and we had an election. I was the first one voted by the community, so it has happened. History is there, it's happened. But not to do away with the premise that I started this talk about, it was consistency in terms of what was here for business to come to this community. And we

push that theme every time we go out and try to get people to come here.

Reyes, me, Jason, everybody. A lot of times we missed; a lot of times we didn't miss, but they came. And it got to the point that the businesses that did come here were our biggest advocates for other businesses to come here because of how we treated people and how we were consistent. So that has a lot to do with the success of this community. And I'm telling you that because I did it as Mayor for 22 years. I know; I've seen it. I know what it feels like. I know what it looks like. Reyes was there.

Crystal. But there were other people that were there. We did it. It was because we were consistent. But if you guys want to go a different direction and have people come out, like we always have in numbers, you have to fight for people to come out. It's tough. Maybe it's going to get better; that's the end. But all I'm saying is that term limits can be good. They can be bad. It all depends on where you come from. I think I'm good with no term limits. If people want you out, they'll get you out. Simple as that.

MAYOR RODRIGUEZ: Yeah. I mean, we've had new people come out on Council and I can tell you, there hasn't been much of a conflict. And I think we all kind of agree that if you're going to run for the Tolleson City Council that you want the best of the town.

And I think there's a lot of people that feel that way and just don't have the opportunity to serve. So this, I think, will give us a mechanism for us to be able to put something in place that will kind of guarantee that there's new ideas and new blood flowing into the Council. And, you know, I don't have any personal conflicts or vendettas with anybody I served with in the past. I think that's a lie. I do with one of you, but we won't have to talk about that tonight. Have people who have an opportunity to actually serve the community. And, you know, I don't want to be a Mayor that touts that I want to prepare the next generation of leadership for our community, but I'm never going to leave, so you can't serve here; go serve somewhere else. No, if we're asking you to be on a Teen Council and we're taking you to D.C. and teaching you leadership opportunities and opportunities to expand your horizons and encouraging you to go to college, we're also encouraging you to come back and be a part of the Tolleson dream moving forward. Eventually we need to move on and allow these youngsters to come

in and continue to mark the path forward. And this is really what it's all about. I want them to be able to do that and move forward, and unfortunately we're losing a lot of our kids. And so last time we had a vacancy, we had 12 candidates. That was a huge eye-opening experience to me. I had never interviewed that many people that applied to be on Council. There's a thirst out there. And I think putting this mechanism in place will help us quench that thirst. And we'll get people that want to serve, will be here, Tollesonians, and future leaders for our community.

Other comments?

Yes?

MENDOZA: Okay. The second time that there was a vacancy, what happened to those people?

MAYOR RODRIGUEZ: We had a recruitment and they didn't come back and apply.

MENDOZA: Did they know that there was an opening?

MAYOR RODRIGUEZ: We had a recruitment, yeah.

MENDOZA: I'm talking about the second one.

SINAWI: Mayor, members of Council, when we've had vacancies on the Council, we have done door-to-door communications and also notices that have gone out for that. So -- oh, that would have been different. So her -- she retired, and then there was an opportunity for people to apply to run for the position.

ZAMORA: So that seat was taken by Chavira, I believe.

MENDOZA: But that's what I mean. What happened to the other people?

MAYOR RODRIGUEZ: But she was appointed because she was elected.

ZAMORA: Yes, she was appointed; she had ran in the election and also ran unopposed.

MENDOZA: I'm talking about when she came on board.

MAYOR RODRIGUEZ: Yeah. Yeah, we'd have to ask other people. I don't know. We just decided to appoint her at that point because she had already been elected, so there was no point in --

MENDOZA: No, no, no.

ZAMORA: But nobody ran against her in the election. She ran unopposed.

MENDOZA: So where was -- so my thing is, okay. If you want a term, like, say, two terms, and that's it, what if there's no one that put in their name to run for the Mayor's position? Then are you going to not run the third term? I mean, if we can't get people to --

MAYOR RODRIGUEZ: I think we can get people to run.

MENDOZA: So what happened when that other position was appointed?

MAYOR RODRIGUEZ: They didn't run.

ZAMORA: They didn't choose to run in the election. That's her point, yes.

GÁMEZ: They're there, but they're not there.

CHAVIRA: Right.

MENDOZA: So my thing is, if you put a limit and there's nobody there to be able to take over your third term, what's the difference there? Are you going to -- is that person going to run again because there's nobody else running when you run unopposed? I don't know. That's -- I don't know if you guys are getting what I'm --

MAYOR RODRIGUEZ: No, I'm listening. I got it.

MENDOZA: You can't force them.

DAVIS: So on the surface, I think when I was thinking about this, I thought a lot about this the last couple of weeks because we think about the federal level -- and I'm not saying anything bad about any particular elected official or anything like that -- but we haven't had representation at the federal level for more than a year because our elected was not able to fulfill the role of the duty. And that's very common at the federal level for -- whether it be a justice or a Congress person or a Senate person remain in their seat till they die. And they're not able to do their job for years at a time.

So, I've often thought term limits would be a great answer to that. But as I've thought more about Tolleson, I started thinking about electors. Adolfo, how many times did you run unopposed?

GÁMEZ: Five.

DAVIS: You ran unopposed the last two -- both times for Mayor. I haven't had that luck; every time I ran --

MAYOR RODRIGUEZ: You had seven on the first.

DAVIS: But what I'm saying is -- and I think this was Cruzita's point -- we're not seeing a slate of people that are running for office every time. And we have trouble filling our Council and our Planning and Zoning Commission and things like that. And I worry that if we do enact term limits, you know, our population is not growing. We don't have housing. I don't even have really somewhere that I want to live. Now, I moved back to Tolleson and that's the only reason that I ended up running for office. And I live with my grandparents and I truthfully cannot afford to buy a house in our community. And when they pop up, they're gone faster than I can believe. And I don't make over a million dollars to buy a house in Tolleson at this point. So, we'll see what my options are in the long term, but that's just me. And also, I'm -- no offense -- but by far, I'm the youngest person here by quite a few years. He just said he's been in office for 40 years. He's been an office longer than I've been alive.

GÁMEZ: I used to be --

MAYOR RODRIGUEZ: You're still kicking, baby.

GÁMEZ: I know. I know. I know. It's on the record.

ERIVES: He's been in an office longer than I have been alive. And it's his birthday. Yeah, it's his birthday. It is his birthday. But we're an aging population. We're not growing. I'm afraid that we're going to run out of office. We don't have to this pool from -- like bigger cities do. And then, there's also outsiders who are not from our community who starts running for office. We just have to look next door. There were three along their Council in Avondale and they turned out -- now they're making national news and for not the right reason. So that's another fear. So I don't know if this is something that I can support. And initially I was really, like, on board with this, but the more I thought about it, the more it just worries me. It's just, those are my concerns that we are not going to have people to fill the void or qualified people to fill the void or people with the right mentality and heart. And I think as long as you are physically able if you want to continue serving, then it's fantastic.

GÁMEZ: And if the people say, yeah, we want you, then vote for you. If you don't,

adios, simple as that.

MAYOR RODRIGUEZ: Anybody else? Well, it's up to you guys. I mean, at the end of the day, I'm pro-term limits. I think it's important that we have something structurally that allows for new opportunities. And I was you Jimmy; I was in my early 20s, my mid 20s when I got on here. And for the longest time, I was the only new blood. And it was kind of like, okay. And so I think allowing for new people to join and be a part of it is key.

DAVIS: Well, you know, one of the other things that we might want to look at is making this more attractive. Is this -- so how much do Council Members make?

MAYOR RODRIGUEZ: Oh, I'm sorry. I think it's 21 and 15 or something like that.
\$12,600 per Council Member.

MAYOR RODRIGUEZ: You know where that would be.

CHAVIRA: It's 14.4, Vice Mayor. 14.4.

DAVIS: I'm a very busy Council Member. I know not -- I realize not every Council Member is as busy as I am, but you know, I have a full-time job now and I've already exhausted more than half of my vacation time for the year, which means I'm going to have to take an unpaid vacation in the summertime, because I'm going to and I don't care. I value my time more than anything else. But I know when I first got in Council, there was a salary study that was done for the Council and it was a significant increase to what it is now. We shot it down because of COVID and we didn't feel it was the right time. But maybe that's also something that we need to look at, you know, and our discretionary funds as well. While I'm at it, you know, I also, as a very active Council Member, I'm on national committees and I don't know how I'm going to be able to afford with my current budget, how to represent our city at the level that I'm trying to represent it.

ERIVES: There's a second budget for that. There's a second budget for that. There's funding for that, Jimmy.

DAVIS: But I have to come to the Council and there's a whole song and dance that I'm going to have to do in order to do that; it'd be a lot easier the other way.

ERIVES: I don't remember that.

MAYOR RODRIGUEZ: Yeah, go ahead.

MEDOZA: Mayor, members of the Council, that's the budget. Now we've taken that away, right? Right. That \$50,000 of the special funding is now available to the Council.

DAVIS: We don't have a budget for that.

SINAWI: Don't, right? I'm not saying that that can't change, but that's something just to keep in mind as well.

DAVIS: I think we do, you know, in order to get a better representative Council, just multi-generational, you know, this is a really easy thing for a retired person to do, but a person who works, who has a family, there's no way I can. You know, I can take the financial hit here and there, or whatever, fine; I'm a single person. But we need to really look at what the position looks like, what it entails. I probably put in on a Council week more than 30 hours a week, which is because of my other commitments with Metro and Council meetings and other meetings, other projects that I'm doing. Maybe on an off week, probably 18 and half of that, but it's a lot of hours that I'm personally putting in and we want to encourage more of that. And if we want to do something, definitely need to make this more attractive -- not very attractive for a working person.

MEDRANO: I just wanted to offer that the last time we raised Councils per diems -- or not per diems -- stipends, discretionary funds, but also the stipends, the annual stipends, we did see an increase in interest at the Council level. And that was part of the motivation is to get more people involved. And we saw more people run for Council.

CHAVIRA: Didn't we also do that for Planning and Zoning? That was like a small, tiny, tiny, I mean, it's not --

MEDRANO: Planning and Zoning is a hundred dollars.

CHAVIRA: But I'm just saying, incentivizing those types of --

MEDRANO: We did do that.

CHAVIRA: Yeah, yeah, it works, it does.

ERIVES: A hundred dollar meeting.

MEDRANO: No, a month -- a month.

MENDOZA: Each –

MEDRANO: A month. But we don't have a lot of meetings.

CHAVIRA: I'm of the -- I'm so sorry. I'm of that split decision as well, when I think, well, the president can only be for four years or two terms of four years each, that why would -- why do we not have term limits, right? Like, I see that; I can see that. That makes sense. And then I'm like, but we're not the president. Their system is different than our system. What works for us doesn't always work for everyone. And we're not Litchfield; we're not Avondale; we're not Glendale; we're not that. We're Tolleson. And you had mentioned something, Council Member Gamez, let the people decide, right? So the people are the ones who come to vote. And I would even just like for us to get people to come to vote, because that sometimes even -- even getting our own community members involved in elections. I think there's some things that we could do -- and just, I'm just like thinking, right, just thinking -- that we could do prior to making some term limits. You're saying making it more incentivized to come and be on Council, having teens who come in, maybe a mentorship program. Someone might want to see, but they don't know what it all means. What does this mean to be a Council? How much work do I have to? I am a mom and I do have this, and can I do it? Well, no, I can't. Maybe we need to kind of showcase, what does a Council look like? What is a Council Member's job? What does some of the things that they do? Could you see yourself being this in the future? Could you see yourself, Tolleson's almost here a hundred years. Could you see yourself one day being a representative of Tolleson? But I almost think like we have to teach people what this is before they can say, oh, I'm willing, or it's kind of intimidating. I know for one, they say public speaking, right? People don't want to speak in public. Well, it's really -- we're not so scary, right? Once you get to do this, this is not so scary. We have a wonderful support staff that is here to help us, right? Within us as a group, we're here to help one another, because all we want is the betterment for our community. But it can be a little intimidating to say like, oh, I had someone ask me, what would I have to do to run? And I said, oh, well, let

me tell you, you would need to do this and do, oh, that's it? That's all I have to do? Oh, yeah, you could do, oh. So I know, but I think it's just the education of what does the Council -- what does the Mayor do? Like, what is his job? What do I have to do as the Mayor? One day I want to be the Mayor, but what would I have to do? And have these future, right? These Teen Councils that you're mentioning. But I don't know if term limits would be the only solution of getting people actively engaged.

MAYOR RODRIGUEZ: Understood. Yeah. I've had people come to me and they actively wanted to run for Council. I said, okay. And it's been a good number of them. But to me, I want to bring this Council so that nobody could ever say, well, you guys didn't run it. No, we did. We run the Council. The Council says no, the Council says no. At the end of the day, I've had many people tell me I would be very interested to run Council, okay? And a lot of times that's how the conversation started. And so, yeah, so maybe the answer is run.

CHAVIRA: Run.

MAYOR RODRIGUEZ: But if you think, yeah, go ahead.

MENDOZA: Okay. If they're that interested, do they come to the meeting? You know, that's part of training, coming to a meeting, being involved. And another thing is -- the true test I feel is going to be when Clori and Linda run. Let's see how many people will be on the ballot.

MAYOR RODRIGUEZ: Yeah, I can think of five already.

DAVIS: If I'm on the ballot, that means a lot of people will run.

CHAVIRA: No, it's only Linda and Clori.

ERIVES: No, and Jimmy.

MENDOZA: Jimmy?

MAYOR RODRIGUEZ: Yeah, we're a full Council. We got three and three. Three and four.

MENDOZA: Oh, I didn't know Jimmy was on.

ERIVES: I mean, as the newest person, I'm also on the fence. I'm not quite sure. I think in a lot of ways, change is good and you need new ideas and you need fresh eyes. But at

the same time, there's a lot to be said for stability. And so both are important. But I can only speak for myself as the newest person, right? So during COVID, I started watching your City Council meetings online. And so I just kind of got interested in that. I'd always had worked for the City, but that's a very different thing on the other side. So that kind of sparked my interest. And then I applied for a couple boards, but the Mayor chose heads instead of tails, so I didn't get it. Just kidding. But I think people always have the opportunity to run. There's -- you know, if you want to run, you can. It's not a very difficult process, really. You know, you fill out some paperwork, you've got to get signatures, but you can run. So people have the opportunity to run if they want to. I don't know.

DAVIS: Yeah. The other thing, you know, I don't know if I said this already, but I think there's a lot to be said about continuity and leadership as well. You know, like I think that, like the business community of Tolleson is very attractive because we are stable. We're not one of these crazy Councils, like next door -- we don't have a MAGA person in here, you know, making disparaging comments on Twitter or anything like that. I just say that off the record for the record, you know. So just -- I think the stability of Tolleson and the fact that we, you know, we're just one family. We're one family and we've always been that way. We're united. And I think that says a lot about us as a community and it's reflected in our community. I think that's one of the most important things.

MAYOR RODRIGUEZ: Okay. So I'm hearing James say no term limits. He said no term limits.

Yes, Wendy. Wendy.

JACKSON: Mayor and Council, I just pulled up the data from that wage study that we conducted in the fall of 2020. And in terms of the Council Member seat and the mayor seat, the Council Member seat was 40 percent off in terms of the data that was received and the mayor seat was 42 percent off. So I just wanted to give you that data. It was lower than the average of the nine cities that we collected data from, so just to give you that insight.

GÁMEZ: Nine cities from this area or state, from where?

JACKSON: This particular study, our nine comparators were from the West Valley cities.

DAVIS: How do we address that? How do we fix it?

MEDRANO: Mr. Mayor, members of Council, we just -- I'm going to make -- Justin check my math -- but you explained a lot, go ahead.

EARP: Well, just that you're talking about a change in -- so if you adopt a pay raise, it can't be for the current Council. If you adopt it with this Council, it will go into effect at the turnover of the next Council at the next election. So '26.

BABCHUK: Right, essentially can't give yourself a raise. So when the next Council takes the seat in '26, the raise goes into effect. So we have it. We can do another one.

JACKSON: Yes. Yes, Vice Mayor and members of Council, we are scheduled to do another full study this FY 26. So that's when we'll get another study done. And in terms of the comparator cities at the time, it was Avondale, Buckeye, Chandler, El Mirage, Glendale, Goodyear, Peoria, Phoenix, Scottsdale, Surprise and Tempe. So they got the information from them.

MAYOR RODRIGUEZ: I think we should do that.

MEDRANO: That's typically who we lose people to.

MAYOR RODRIGUEZ: Council Member Gamez.

GÁMEZ: We just don't want to lose business to them. That's another thing.

CHAVIRA: Or employees who go to them, because we've invested in their employees.

GÁMEZ: All right. I think we're done here.

MAYOR RODRIGUEZ: Well, with that, we have committee events update.

CHAVIRA: Yes.

BABCHUK: Thank you, Mayor, members of the Council. Onto some happy notes. And we had a great time, great turnout, Friday, Saturday, and Sunday. Nothing but positive feedback from the community. They loved the variety of music and just the difference of people showing up and having fun in our community. I think we had a few people from Tucson come up just to listen to the bands for Saturday and Sunday. So really, really liked that part. And just everything -- the event itself, what we had going

on, the kickball tournament, heard nothing about -- good things about Council Member Davis's team. He didn't get slaughtered this time. He actually competed, good job.

Next year, you might even take it. That's what I'm hearing. So --

MEDRANO: My kids want to be on your team next year. I told them, Jimmy was looking for players because they were complaining. I told Sierra just better start working out.

MAYOR RODRIGUEZ: That's on Sunday. I don't know how we ended up working on Saturday because that's a Saturday band, but it worked out. I mean, the place was packed.

BABCHUK: Absolutely. I think that's the direction we've been leaning towards now too. So I think --

MAYOR RODRIGUEZ: We had a good turnout Saturday too.

BABCHUK: Oh, absolutely. Yeah. Little League did a phenomenal job at the beer booth. We raised over \$14,000 for their nonprofit, so it was a really good turnout. This --

MAYOR RODRIGUEZ: There were a couple of hiccups, but it's nothing that isn't solvable.

BABCHUK: Right. They did run out of beer Sunday. So -- and again, I was ensuring Little League that we're not in the business of selling beers. We're in the business of making an event for our community. So yeah, absolutely. So the data we had to order was from 2023 and that's all we had. So we ended up taking it over and it ended up being a really good turnout.

CHAVIRA: But like you -- sorry, Mayor. But like you had mentioned, you created a Sunday event that usually is a Saturday event, so we have never had that before. So how could you predict the sales, right?

BABCHUK: Right.

CHAVIRA: Like you didn't know, so it was fantastic. If you sold out, to me, that was a great success, because otherwise you'd be left over with so much left over. Now what are you going to do with it, right? Like, to me, it was a good problem that y'all ran out. And then especially on Sunday, go home guys, go home. You know, you got to go to work. So good thing y'all sold out.

BABCHUK: They didn't sell as much as we did in 2023. So that was kind of what we

gauged it by. So we do have our Easter event with VFW and our Show and Shine this Saturday from 10 a.m. to 1 p.m. We're working on that. We'll have Easter baskets for everyone in attendance -- all the kids in attendance. They'll be doing it by age. And then we do have a Arbor Day event on April 19th with Trees Matter. They started marking out the trees and we'll work on -- once we get them planted that Saturday, we'll have a plan to put some irrigation into place. So that'll be one of our Arbor Day Tree City USA requirements. So we'll have that up and going as well.

ERIVES: I don't know. I'm just asking, just asking. Can people buy a tree or like sponsor a tree like in this park that's here that they have these, what, 25 trees are growing? And it sounds like a placard. Like I'm committing, I don't know, \$100 a month for the something, right? For this tree. I know you're not going to give it just to the tree, but in that name of, I'm also thinking like the Aquatic Center. Can I buy a tile that says my name, Erives family, 2025, something, where they, as you're building up, there's like this area where people can -- I think of the Phoenix Zoo when they did their bridge and their walkways. Not just in my -- I want to like purchase something that stamps my name there, right? And so just fundraiser ideas. But I was thinking about that with those trees. Cause like, you know, you can walk around the park and then you see these placards. Maybe I could do one in memoriam of my mom. You know, I could put a little placard and it's funds that could go back to the park just to help and make sure it looks cute. But just ways for a community, because you were talking about involvement. How can I get involved? How can I do stuff that would be --

MAYOR RODRIGUEZ: That's all you need.

BABCHUK: Yeah, thank you.

ERIVES: Especially the Aquatic Center, because right, that's coming up. That's new. That's going to be our baby.

BABCHUK: We definitely can look into that. I know Tree Matters is going to do a community outreach because they want to actually start giving away trees to residents who want trees in their yards, backyards. And they'll actually donate those trees for free and plant them for free as well, so I know they're working on that as well. They

want to do -- just grow the tree equity in Tolleson.

ERIVES: I've seen where they've named trees within like your school campus and they'll name the tree. It just gives you that, oh, there's a tree, Harry. That tree is this. And it just gives the kids their ownership of -- oh, we're going to take care of the tree instead of pulling on the branches and stuff like that, right? You're just continuing to show love to that. So it was just amazing.

BABCHUK: Thank you. Definitely, we'll look into that. Say that again. Yep, 24 inch box trees. Yeah. Yeah.

CHAVIRA: Oh, and it's so hot.

MAYOR RODRIGUEZ: It's going to do a lot of damage to trees.

BABCHUK: Yep.

MAYOR RODRIGUEZ: Anything else? Yes, we'll have those. Thank you.

ARTZ: We started a very aggressive mask campaign and later with the help of our great partners in Maricopa county, we started to get tonight on Senate floor to take on some of the problems of ours. Well, we were the first city in Maricopa county to provide vaccines to the residents that had been done through various clinics and different forms of tape on the tables. We were the first city that did that and ran that out to five various states. We couldn't have done it without a lot of great partners. Unfortunately, we found out by March of 2018, that the county no longer had funds for vaccines. So we had vaccines in today. That was the last one. We need more funds for that. We want to make sure that we have some more coming in. But we wanted to make sure that you guys were aware of that. We found out. We found out today. So I just wanted to say that. Yeah.

DAVIS: Does that mean it's like a federal plan?

ARTZ: Well, ultimately we believe that the money comes from the federal money comes through the county. And then it goes to the county throughout. We're in the south of the region and Maricopa county has helped our partners by aiding on the south side. But that's what we're here to do. A

MAYOR RODRIGUEZ: Il right. Well, it is what it is. I mean, if there's a need down the

road, then we'll have to figure out how we're going to deal with need for the time being that the funding is out. And luckily the pandemic -- I don't want to say it's behind us because I know there's some cases that are coming up here and there. And there's other kinds of vaccination that we have to talk to. So if you guys want to get together and figure out what we need to be moving forward, we're in the middle of putting together a budget, so this is the time to present it for you to draw attention. But hopefully the federal government gets their act together. Some folks will respond and hopefully be accountable. And we have some of the money that was appropriated by the Senate and the House of Representatives. And a lot of our cities came together to support us again. So in the interim, we're stuck where we are. But thank you for bringing it to our attention. Anybody else for the good of the order? No? No? All right. I will entertain a motion to adjourn this meeting.

LABORIN: So moved.

MAYOR RODRIGUEZ: We got a motion Council Member Gamez. Second Councilwoman Laborin. All those in favor, please signify by saying aye.

ALL: Aye.

MAYOR RODRIGUEZ: Opposed? We stand adjourned.

APPROVED:

JUAN F. RODRIGUEZ, MAYOR

ATTEST:

CRYSTAL ZAMORA, CITY CLERK

CERTIFICATION

I HEREBY CERTIFY THAT THE FOREGOING MINUTES ARE A TRUE AND CORRECT COPY OF THE MINUTES OF THE REGULAR MEETING OF THE COUNCIL OF THE CITY OF TOLLESON, ARIZONA, HELD ON APRIL 8, 2025. I FURTHER CERTIFY THAT THE MEETING WAS DULY CALLED AND HELD, AND THAT A QUORUM WAS PRESENT.

CRYSTAL ZAMORA, CITY CLERK



CITY COUNCIL REPORT

SUBJECT: Claims and Bills Report for the period of April 2, 2025 to April 15, 2025

MEETING DATE: April 22, 2025

TO: Mayor and Council

FROM: Kevin Artz, Chief Financial Officer

REVIEWED: Reyes Medrano Jr., City Manager

PURPOSE:

The Finance Department is requesting the approval of Claims and Bills Report for the period of April 2, 2025 to April 15, 2025.

BACKGROUND:

Each Council Meeting, the Finance Department shall prepare a list of all claims paid by the City. The list shall be reviewed and approved when required by the Council, and a copy of it shall be included in the minutes.

DISCUSSION:

The Claims and Bills Report includes vendor payments of \$10,000 or more for the period noted above.

BUDGET IMPACT:

This item has no additional budget impact.

RECOMMENDATION:

Staff recommends the City Council approve the Claims and Bills Report.

ATTACHMENTS:

1. 04 02 25 to 04 15 25 Claims and Bills Report

City of Tolleson
Checks Recorded
Check Dates: April 2, 2025 to April 15, 2025
PAYMENTS OVER \$10,000

VENDOR NAME	GROSS AMOUNT	CHECK #	CHECK/PAYMENT DATE
SUNLAND ASPHALT & CONSTRUCTION LLC	\$ 441,177.11	184144	4/3/2025
CITY OF PHOENIX	\$ 263,036.28	184249	4/14/2025
SUNLAND ASPHALT & CONSTRUCTION LLC	\$ 157,672.92	184144	4/3/2025
AZ MUNI RISK RETENTION POOL-WC FUND	\$ 116,998.81	100436	4/4/2025
PUMP PROS INTERNATIONAL CORPORATION	\$ 90,913.91	100462	4/9/2025
BROWN AND CALDWELL	\$ 77,312.00	100454	4/9/2025
STRAIGHT ARROW CONTRACTING, LLC	\$ 69,542.14	184274	4/14/2025
HUGHES FIRE EQUIPMENT INC	\$ 66,339.05	184182	4/7/2025
DH PACE COMPANY INC	\$ 51,154.48	100474	4/11/2025
STRAIGHT ARROW CONTRACTING, LLC	\$ 46,361.43	184274	4/14/2025
C & I SHOW HARDWARE & SECURITY SYSTEM INC	\$ 38,523.99	184198	4/10/2025
WATER WORKS ENGINEERS LLC	\$ 37,702.00	100466	4/9/2025
AZ PUBLIC SAFETY PERSONNEL RETIREMENT SYSTEM	\$ 35,749.69	100470	4/11/2025
AZ PUBLIC SAFETY RETIREMENT, POLICE	\$ 34,859.74	100471	4/11/2025
CITY OF AVONDALE	\$ 34,056.30	184199	4/10/2025
HAYDON BUILDING CORP	\$ 27,489.75	184120	4/2/2025
ADVANCED ENVIRO CURE LLC	\$ 20,000.00	100449	4/9/2025
WASTE CONNECTIONS OF ARIZONA	\$ 19,699.30	184166	4/3/2025
EATON CORPORATION	\$ 19,535.66	100456	4/9/2025
ASR CONSTRUCTION GROUP LLC	\$ 17,163.24	184196	4/10/2025
PETER SHAYNE CASTELLANI	\$ 16,868.98	184115	4/2/2025
WEST YOST & ASSOCIATES INC	\$ 16,721.50	100467	4/9/2025
AZ MUNI RISK RETENTION POOL-WC FUND	\$ 16,366.42	100436	4/4/2025
ASR CONSTRUCTION GROUP LLC	\$ 14,734.92	184196	4/10/2025
ARIZONA STATE TREASURER	\$ 14,376.39	184194	4/10/2025
KIMLEY-HORN AND ASSOCIATES, INC.	\$ 13,972.20	100446	4/8/2025
STATE OF ARIZONA	\$ 12,470.00	184232	4/10/2025
TOLLESON ELEMENTARY SCHOOL DIST.#17	\$ 11,520.00	184173	4/7/2025
UNITED SALES AGENCY LLC	\$ 10,932.49	100465	4/9/2025
MARICOPA COUNTY COMMUNITY COLLEGE DISTRICT	\$ 10,774.50	184125	4/2/2025
AZ MUNI RISK RETENTION POOL-WC FUND	\$ 10,386.57	100436	4/4/2025
ARIZONA BOUNCE AROUND, INC.	\$ 10,150.30	184150	4/3/2025



CITY COUNCIL REPORT

SUBJECT: Blue Cross Blue Shield of Arizona Professional Services Agreement - Dental Benefits

MEETING DATE: April 22, 2025

TO: Mayor and Council

FROM: Wendy Jackson, Deputy City Manager/Employee Resources Director

REVIEWED: Reyes Medrano Jr., City Manager

PURPOSE:

Request to authorize the City Manager to enter into a Professional Services Agreement with Blue Cross Blue Shield of Arizona (BCBSAZ) for the administration of dental insurance benefits for eligible City employees and their dependents. The agreement will be effective from July 1, 2025, through June 30, 2027. The total annual not-to-exceed amount is \$400,000. To provide continued access to quality dental insurance benefits as part of the City's total compensation package, while leveraging cost savings through a bundled services approach with BCBSAZ.

BACKGROUND:

The City of Tolleson previously contracted with a separate provider for dental insurance services. To streamline administration and generate cost efficiencies, the City pursued a bundled benefits strategy through a competitive RFQ process, selecting Blue Cross Blue Shield of Arizona to provide both medical and dental insurance coverage.

BCBSAZ has been a long-standing partner for medical benefits and was identified as the top-ranked provider to expand services to include dental. Under the bundled model, BCBSAZ will offer the City a 2% discount on medical insurance premiums, resulting in projected savings of over \$100,000 per year during the two-year agreement.

This transition will maintain uninterrupted dental coverage while improving overall efficiency and reducing the City's healthcare-related expenditures.

DISCUSSION:

The proposed agreement with Blue Cross Blue Shield of Arizona for dental insurance will align with the same term as the medical benefits contract, spanning July 1, 2025 through June 30, 2027, with an option to renew for one additional year. The bundled arrangement will consolidate benefit administration under one provider and enhance the employee experience.

BUDGET IMPACT:

The annual cost for dental insurance shall not exceed \$400,000, and will continue under the current cost share model between the City and employees. The City will also realize significant savings on medical premiums as a result of this bundled approach.

RECOMMENDATION:

Staff recommends that the Council authorize the City Manager to enter into a two-year agreement with Blue Cross Blue Shield of Arizona to provide dental insurance benefits for eligible employees, retirees, and their dependents, effective July 1, 2025 through June 30, 2027, with an option to renew for one additional year. The agreement shall not exceed \$400,000 annually, and will continue under the existing cost share model.

ATTACHMENTS:

None



CITY COUNCIL REPORT

SUBJECT: Ordinance No. 619 N.S. - Tolleson Wastewater Treatment Plant Local Limits Adoption

MEETING DATE: April 22, 2025

TO: Mayor and Council

FROM: Aaron Dougherty, Environmental Manager

REVIEWED: Reyes Medrano Jr., City Manager

PURPOSE:

The purpose of this report is to request City Council approval of the final proposed local limits as presented in the *Final Tolleson Local Limits Evaluation (LLE) Report* dated April 29, 2024. These revised limits are intended to update and strengthen the City's industrial pretreatment program, ensuring continued compliance with applicable regulatory standards and protection of public health, infrastructure, and the environment.

BACKGROUND:

The City of Tolleson operates a permitted wastewater treatment plant (WWTP) that must comply with the U.S. Environmental Protection Agency's (EPA) pretreatment regulations and the Arizona Department of Environmental Quality (ADEQ) requirements. The last Local Limits Evaluation was conducted in 2010, based on data from 2009.

Subsequently, Tolleson received a revised Arizona Pollutant Discharge Elimination System (AZPDES) permit (effective December 11, 2020), necessitating a comprehensive reassessment of the city's industrial pretreatment local limits. This current LLE was conducted to update these limits using recent site-specific data and regulatory criteria.

DISCUSSION:

The updated LLE employed EPA- and ADEQ-sanctioned methodologies to:

- Identify pollutants of concern (POCs) through data screening, sampling, and regulatory comparison.
- Calculate **Allowable Headworks Loadings (AHLs)** using several criteria, including:
 - Water quality standards
 - AZPDES and APP permit limits
 - Treatment inhibition thresholds (trickling filters, nitrification, anaerobic digestion)
 - Sludge disposal regulations

- Design criteria

- Determine **Maximum Allowable Headworks Loadings (MAHLs)** and apply safety factors.
- Subtract domestic/commercial background loads to compute **Maximum Allowable Industrial Loadings (MAILs)**.

Significant findings include:

- Revised or new MAILs for 18 pollutants such as ammonia, BOD, TSS, copper, arsenic, lead, and selenium.
- Updated limits for traditionally monitored pollutants like pH, oil and grease, and sulfides will remain unchanged.
- Specific pollutants with elevated toxicity or unclear regulatory thresholds (e.g., PCBs, chlordane, DDT, toxaphene) continue to be **prohibited**.

These MAILs will now enable site-specific allocation of industrial discharge permits, supporting both flexibility and environmental protection.

BUDGET IMPACT:

There is no direct financial cost associated with adopting the updated local limits. However, benefits include:

- Avoidance of future non-compliance penalties.
- Reduced risk of treatment system disruptions due to interference.
- Improved long-term planning for infrastructure and service area growth.
- Enhanced regulatory readiness and credibility in compliance audits.

Any downstream operational or administrative costs related to enforcement or monitoring will be covered under existing program budgets.

RECOMMENDATION:

Staff recommends that the City Council:

1. **Approve the Final Proposed Local Limits** as detailed in the attached LLE report.
2. **Authorize implementation** of these limits into the Industrial Pretreatment Program.

This approval ensures the WWTP's continued operational integrity, environmental stewardship, and regulatory compliance.

ATTACHMENTS:

1. Ord 619 N.S. Adopting the April 29, 2024 City of Tolleson Wastewater Treatment Plant Local Limits 04 22 25

WHEN RECORDED, RETURN TO:

City of Tolleson
City Clerk
9055 West Van Buren Street
Tolleson, Arizona 85353

ORDINANCE NO. 619 N.S.

AN ORDINANCE OF THE MAYOR AND CITY COUNCIL OF THE CITY OF TOLLESON, ARIZONA ADOPTING THE APRIL 29, 2024 CITY OF TOLLESON WASTEWATER TREATMENT PLANT LOCAL LIMITS EVALUATION REPORT AND THE FINAL PROPOSED LOCAL LIMITS CONTAINED THEREIN; PROVIDING FOR REPEAL OF CONFLICTING ORDINANCES; PROVIDING FOR SEVERABILITY; PROVIDING FOR INCORPORATION OF EXHIBITS; AND DECLARING AN EMERGENCY.

WHEREAS, the City of Tolleson ("City") operates a Publicly Owned Treatment Works ("POTW") to provide wastewater treatment services to residential, commercial, and industrial users; and

WHEREAS, the discharge of pollutants by industrial users into the POTW must be regulated to protect the integrity and performance of the wastewater treatment system and to ensure compliance with the Clean Water Act, 33 U.S.C. §1251 et seq.; and

WHEREAS, the City commissioned Brown and Caldwell ("BC") to conduct a technical evaluation of the POTW's treatment capabilities and local limits; and

WHEREAS, on April 29, 2024, BC finalized a local limits evaluation report that contains final proposed local limits for industrial users, as set forth in Exhibit A; and

WHEREAS, the proposed local limits are consistent with applicable state and federal pretreatment regulations (40 C.F.R. Part 403) and were approved by the Arizona Department of Environmental Quality on March 13, 2025 after public notice and comment as required.

NOW, THEREFORE, BE IT ORDAINED BY THE MAYOR AND COUNCIL OF THE CITY OF TOLLESON, ARIZONA, as follows:

Section 1. Adoption of Updated Local Limits. The April 29, 2024 City of Tolleson Wastewater Treatment Plant Local Limits Evaluation Report and the final proposed local limits

contained therein, as set forth in Exhibit A, are adopted by the City and made effective as to all the POTW's industrial users.

Section 2. Providing for Repeal of Conflicting Ordinances. All ordinances, parts of ordinances and resolutions in conflict with the provisions of this Ordinance, or any part of the City Code adopted here by reference, are repealed.

Section 3. Providing for Severability. If any provision of this Ordinance is for any reason held by any court of competent jurisdiction to be unenforceable, such provision or portion hereof shall be deemed separate, distinct, and independent of all other provisions and such holding shall not affect the validity of the remaining portions of this Ordinance.

Section 4. Providing for Incorporation of Exhibits. The exhibits attached to this Ordinance are incorporated herein and made a part of this Ordinance as if set forth herein in full.

Section 5. Declaring Emergency. In the interests of preserving the peace, health and safety of the City, an emergency is declared to exist, and this Ordinance shall become immediately operative and in force.

PASSED AND ADOPTED by the Mayor and Council of the City of Tolleson, Arizona this 22nd day of April, 2025.

Juan F. Rodriguez, Mayor

ATTEST: _____
Crystal Zamora, City Clerk

APPROVED AS TO FORM: _____
Justin Pierce, City Attorney

EXHIBIT A
TO
ORDINANCE NO. 619 N.S.

[April 29, 2024 - City of Tolleson Wastewater Treatment Plan Local Limits Evaluation]

See following pages.

Local Limits Evaluation

City of Tolleson Wastewater Treatment Plant

Prepared for
City of Tolleson
Tolleson, AZ
April 29, 2024

Local Limits Evaluation City of Tolleson Wastewater Treatment Plant

Prepared for
City of Tolleson
Tolleson, AZ
April 29, 2024

FINAL



2 N Central Ave #1600
Phoenix, AZ 85004
T: 602.567.4000

Table of Contents

List of Figures	iii
List of Tables	iv
List of Abbreviations	v
Executive Summary	vi
Applied Methodology and Approach	vi
Important Findings of the LLE	vii
1. Introduction	1-1
1.1 Project Objective	1-1
1.2 Organization of Report.....	1-2
2. Pollutants of Concern.....	2-1
2.1 Initial Pollutants of Concern Selection	2-1
2.2 Additional Pollutants of Concern Identification	2-1
2.2.1 Sampling and Analysis for POC Identification.....	2-2
2.2.2 Priority Pollutant Scans	2-2
2.3 POC Screening: Final Assessment.....	2-3
2.3.1 Elimination of Permitted Parameters as POCs	2-3
2.3.2 Elimination of Other POCs Identified in Priority Pollutant Scans.....	2-3
2.3.3 Elimination of Other POCs Following Additional Sampling	2-3
2.3.4 Prohibited Pollutants.....	2-3
2.3.5 Final Pollutants of Concern.....	2-3
3. Local Limits Development	3-1
3.1 Background	3-1
3.1.1 Permits	3-2
3.1.2 Treatment Processes	3-2
3.2 Site-Specific Flows and Removal Efficiencies.....	3-3
3.3 Calculation of AHLs Based on Permit Limits.....	3-3
3.3.1 Data Sources and Assumptions	3-3
3.3.2 Calculation Results.....	3-4
3.4 Calculation of AHLs Based on Water Quality Standards	3-4
3.4.1 Data Sources and Assumptions	3-4
3.4.2 Calculation Results.....	3-5
3.5 Calculation of AHLs Based on Trickling Filter Treatment Inhibition	3-5
3.5.1 Data Sources and Assumptions	3-6
3.5.2 Calculation Results.....	3-6

3.6	Calculation of AHLs Based on Nitrification Inhibition	3-6
3.6.1	Data Sources and Assumptions	3-6
3.6.2	Calculation Results.....	3-7
3.7	Calculation of AHLs Based on Anaerobic Digestion Inhibition.....	3-7
3.7.1	Data Sources and Assumptions	3-7
3.7.2	Calculation Results.....	3-8
3.8	Calculation of AHLs Based on Design Criteria	3-8
3.8.1	Data Sources and Assumptions	3-8
3.8.2	Calculation Results.....	3-8
3.9	Calculation of AHLs Based on Sludge Disposal Regulations	3-8
3.9.1	Data Sources and Assumptions	3-9
3.9.2	Calculation Results.....	3-9
3.10	Maximum Allowable Headworks Loadings.....	3-9
3.10.1	Data Sources and Assumptions	3-10
3.10.2	Calculation Results.....	3-10
3.11	Maximum Allowable Industrial Loadings.....	3-10
3.11.1	Data Sources and Assumptions	3-10
3.12	BOD and TSS.....	3-11
3.12.1	BOD Design Capacity	3-11
3.13	Other Local Limits.....	3-11
3.13.1	Oil and Grease	3-11
3.13.2	Sulfides	3-12
3.13.3	pH	3-12
3.13.4	Prohibited Pollutants.....	3-12
3.14	Summary	3-12
4.	Industrial Allocations.....	4-1
5.	Final Proposed Local Limits.....	5-1
6.	Limitations	6-1
7.	References	7-1
	Appendix A: Regulatory Limits and Criteria	A-1
	Appendix B: Literature Data	B-1
	Appendix C: Ammonia WQS Calculations and BOD Loading Analysis	C-1
	Appendix D: Site-Specific Data	D-1
	Appendix E: MAHL and MAIL Calculations.....	E-1

List of Figures

Figure 3-1. Google Earth image of the City of Tolleson WWTP.....	3-2
--	-----

List of Tables

Table ES-1. Summary of Local Limits for City of Tolleson	vii
Table 2-1. Pollutants of Concern.....	2-3
Table 3-1. Proposed Maximum Allowable Industrial Loadings	3-13
Table 5-1. Final Proposed Local Limits for City of Tolleson.....	5-1



List of Abbreviations

ADEQ	Arizona Department of Environmental Quality
AHL	allowable headworks loading
AIR	ammonia impact ratio
APP	Aquifer Protection Permit
AZPDES	Arizona Pollutant Discharge Elimination System
BC	Brown and Caldwell
BOD	biochemical oxygen demand
COC	chain of custody
EDD	electronic data deliverable
EPA	Environmental Protection Agency
IU	Industrial User
LCS	laboratory control sample
LLE	Local Limits Evaluation
MAHL	maximum allowable headworks loading
MAIL	maximum allowable industrial loading
MDL	method detection limit
mgd	million gallons per day
MS	matrix spike
MSD	matrix spike duplicate
NPDES	National Pollutant Discharge Elimination System
POC	Pollutant of Concern
POTW	Publicly Owned Treatment Works
PTL	pass through limit
PVNGS	Palo Verde Nuclear Generation Station
QA	quality assurance
QC	quality control
RL	reporting limit
SAP	sampling and analysis plan
SBR	sequencing batch reactor
SIU	Significant Industrial User
TSS	total suspended solids
UV	ultraviolet
WQS	Water Quality Standard
WWTP	wastewater treatment plant

Executive Summary

Brown and Caldwell (BC) conducted a Local Limits Evaluation (LLE) of the City of Tolleson, Arizona (City of Tolleson) wastewater treatment plant (WWTP) in accordance with the procedures established by the United States Environmental Protection Agency (EPA) and Arizona Department of Environmental Quality (ADEQ). This report provides BC's recommendations and rationale for the revision or development of local limits for discharges to the Tolleson WWTP. Important findings noted during the evaluation are also provided.

Applied Methodology and Approach

This LLE was prepared in accordance with ADEQ and EPA requirements. Details on the applied methodology, assumptions, and approach used during development of the proposed new local limits for the WWTP are described below.

- Potential pollutants of concern (POCs) were selected based on the following criteria:
 - EPA's 15 National POCs
 - Existing Local Limits and previous POCs
 - Revised Arizona Pollutant Discharge Elimination System (AZPDES) permit limits and Aquifer Protection permit (APP) limits
 - Sludge quality
 - Water quality standards (WQS)
 - Prevention of treatment plant process interference or inhibition
 - Worker protection
- Historical data were assessed to identify the POCs.
- Site-specific removal efficiencies were calculated for the POCs based on WWTP influent and effluent analytical results from sampling conducted March 5, 2019 through August 31, 2023. If a removal efficiency could not be calculated using the sampling results, literature values were used. Site-specific removal efficiencies were calculated for BOD and TSS using data from January 2023 through December 2023 to best represent plant operations.
- Allowable headworks loadings (AHLs) were calculated based on design criteria, permit limits, trickling filter inhibition, nitrification inhibition, anaerobic digestion inhibition, sludge disposal criteria, and Arizona WQS.
- The most stringent AHL was designated as the maximum allowable headworks loading (MAHL). A five percent (5%) safety factor was applied to Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS) as the WWTP is designed to remove these pollutants, and a ten percent (10%) safety and growth factor was applied to all other pollutants. The domestic and commercial loading from site-specific collection system sampling conducted June 20, 2023 through July 19, 2023 was subtracted from the MAHL to calculate the maximum allowable industrial loading (MAIL) for each POC.
- Updated domestic and commercial loadings from additional sampling conducted December 8, 2023 through December 13, 2023 were used to calculate the MAILs for BOD and TSS.

- For POCs with no existing local limit and where the influent loading was below 60% of the calculated MAHL, no new local limit is needed.

Important Findings of the LLE

The City is requesting the approval of the MAILs to allocate site-specific local limits as needed in either mass- or concentration- based limits. A summary of the current limits and recommended MAILs are presented in Table ES-1.

Table ES-1. Summary of Local Limits for City of Tolleson			
Pollutant	Existing Local Limits as MAIL (lb/day)	Existing Local Limits (mg/L)	Recommended Local Limits as MAIL (lb/day)
Ammonia (as N)	---	30 ¹	1,235
Biochemical Oxygen Demand (BOD), monthly average	---	---	27,407
Biochemical Oxygen Demand (BOD), daily maximum	---	500 ²	41,812
Suspended Solids, Total (TSS)	---	500 ²	22,181
Arsenic	0.412	0.04	1.08
Bis (2-ethylhexyl) phthalate	0.477	0.04	0.612
Boron	39.8	3.5	27.9
Cadmium	0.546	0.05	0.170
Chromium	10.3	0.92	10.4
Copper	5.35	0.48	4.31
Cyanide	0.723	0.06	0.185
Lead	3.73	0.33	0.712
Mercury	--- ⁵	0.0002	--- ³
Molybdenum	1.55	0.14	0.344
Nickel	NL	NL	5.66
Selenium	0.036	0.003	0.217
Silver	1.79	0.16	1.67
Zinc	22.0	1.9	7.32
Oil and Grease	---	100	--- ⁴
pH	---	6.0-10.5 S.U.	--- ⁴
Dissolved Sulfides	---	0.5	--- ⁴
Total Sulfides	---	10	--- ⁴

¹ Recommended alert level for monitoring

² Alert limit that will trigger evaluation of the total SIU load and impact on the treatment plant capacity

³ The calculated MAIL for mercury is negative due to the domestic loading exceeding the MAHL. A uniform concentration local limit of 0.00004 mg/L will be set based upon maximum recorded background concentrations.

⁴ The current local limit will be maintained

⁵ Existing MAIL is negative due to the domestic loading exceeding the existing MAHL

Section 1

Introduction

EPA's general pretreatment regulations in 40 CFR 403.5(c) require approved pretreatment programs to develop and enforce local limits to implement the general and specific prohibitions of the pretreatment program. Local limits must also be periodically evaluated and revised as necessary to ensure they are protective of the publicly owned treatment works (POTW), receiving stream, and worker health and safety.

Tolleson currently administers an approved pretreatment program with five (5) permitted significant industrial users (SIUs). The last local limits evaluation (LLE) was conducted in 2010 and was based upon data from 2009. Tolleson received a new Arizona Pollutant Discharge Elimination System (AZPDES) permit, which became effective on December 11, 2020. Tolleson's local limits were evaluated to take into account changes to the AZPDES permit, and any other conditions that have changed since the local limits were last calculated.

This Local Limits Evaluation (LLE) is a technical and detailed evaluation of the local limits developed specifically for the City of Tolleson.

1.1 Project Objective

The objective of this effort was to update industrial local limits for the WWTP to enforce the specific and general prohibitions as well as state and local regulations, address site-specific concerns, and protect worker health and safety. The specific and general prohibitions, along with categorical standards, are designed to provide a minimum acceptable level of control over industrial user discharges. Local limits are established to provide additional control to prevent site-specific and environmental impacts due to non-domestic discharges. Therefore, this LLE used site-specific data to identify POCs that may be expected to be discharged in quantities sufficient to cause deleterious impacts at the POTW or to the environment. Some of the factors considered in developing local limits included:

- Efficiency of the WWTP in treating wastes
- Compliance with permit
- Condition of the water body that receives treated effluent
- State and/or federal WQS that are applicable to the water body receiving treated effluent
- Retention, use, and disposal of sewage sludge
- Worker health and safety concerns.

This LLE provides documentation and reasoned guidance on the following:

- Determining POCs
- Gathering and analyzing data
- Calculating allowable headworks loadings (AHLs) for each POC based on applicable criteria
- Determining maximum allowable headworks loadings (MAHLs) and maximum allowable industrial loadings (MAILs) for each POC
- Comparing industrial loadings to MAILs to ensure that local limits meet the needs of the industries to the extent possible.

1.2 Organization of Report

This LLE report is organized into seven sections as follows:

- **Section 1** is an introduction to the LLE and describes the project objectives.
- **Section 2** describes how POCs were chosen for inclusion in the LLE.
- **Section 3** provides details regarding the development of local limits for WWTP.
- **Section 4** discusses the industrial allocations.
- **Section 5** lists the final proposed local limits.
- **Section 6** provides the limitations.
- **Section 7** lists the references.

A large volume of data and calculations was utilized to complete the LLE for Tolleson, including site-specific data, literature values, and calculation spreadsheets. The tables and appendices of this LLE contain the information needed to reproduce the local limits.

The following data and calculation spreadsheets can be found in the appendices to this LLE:

- **Appendix A** contains the regulatory limits and/or criteria applicable to the WWTP, including the following:
 - Design-based wastewater treatment plant capacity criteria. (Table A1)
 - AZPDES permit limits (Table A2)
 - AZPDES aquifer protection permit limits (Table A3)
 - Biosolids regulatory limits (Table A4)
 - WQS for the WWTP's receiving water (Table A5)
- **Appendix B** contains the literature data used in the LLE when site-specific data were not available. Included in this appendix are the following:
 - Removal efficiencies for priority pollutants through primary and secondary treatment processes (Tables B1 and B2)
 - Treatment inhibition threshold levels for trickling filters (Table B3)
 - Treatment inhibition threshold levels for nitrification (Table B4)
 - Treatment Inhibition threshold levels for anaerobic digestion (Table B5)
 - Domestic and commercial pollutant loadings (Table B6)
 - Worker protection screening levels based on fume toxicity and explosivity (Table B7)
- **Appendix C** contains site-specific WWTP data used to develop the local limits. Included in this appendix are the following:
 - Daily pH and temperature data for WWTP effluent flows and corresponding calculated ammonia WQS (Table C1)
 - Daily BOD loadings highlighting exceedances of design criteria (Table C2)
- **Appendix D** contains site-specific WWTP data used to develop the local limits. Included in this appendix are the following:
 - Daily data for the WWTP flows (Table D1)
 - Monthly maximum and average data for the industrial flows (Table D2)

- Concentrations of conventional POCs in influent and effluent samples collected from January 2023 to December 2023 (Table D3)
- Concentrations of non-conventional POCs in influent and effluent samples collected from March 5, 2019 to August 30, 2022 (Table D4)
- Concentrations of domestic and commercial background samples collected from June 20, 2023 to July 19, 2023 (Table D5)
- BOD and TSS concentrations of domestic and commercial background samples collected from December 6, 2023 to December 13, 2023 (Table D6)
- Removal efficiencies calculated for conventional and non-conventional pollutants based on average influent and effluent concentrations from the WWTP (Tables D3 and D4)
- **Appendix E** contains the AHL and MAIL calculations.

Section 2

Pollutants of Concern

A POC is any pollutant that may be expected to be discharged to the POTW in sufficient amounts to cause pass-through, interference, or present risk to workers and the environment. Pollutants that are contributing to or known to cause operational issues (i.e., inhibition of a treatment process) are considered POCs even if the pollutants are not currently causing permit violations.

Historical data was reviewed and was found to be sufficient to identify POCs. Results of WWTP influent, effluent, and sludge sampling were compared with regulatory, WWTP-specific, and literature-based criteria levels to determine if a pollutant is a POC. POCs selected for a headworks loading analysis are listed in Table 2-1 and were identified using applicable EPA screening criteria contained in EPA's *Guidance Manual on the Development and Implementation of Local Discharge Limitations Under the Pretreatment Program* (EPA 1987) and *Local Limits Development Guidance Manual* (EPA 2004).

This section describes how POCs were chosen for inclusion in the LLE and the general methodology followed through the evaluation.

2.1 Initial Pollutants of Concern Selection

The initial selection process for POCs includes the following criteria:

- **EPA POCs:** These include arsenic, cadmium, chromium, copper, cyanide, lead, mercury, nickel, silver, zinc, molybdenum, selenium, 5-day BOD, TSS, and ammonia as nitrogen (for plants that accept non-domestic sources of ammonia).
- **Regulatory permit limits:** Effluent from the WWTP is regulated through APP permit 100339, AZPDES permit AZ0020338, and the Type 2 Recycled Water General Permit for Class B Reclaimed Water. Pollutants regulated in these permits were identified as POCs.
- **Sludge quality:** Because the City land applies biosolids, pollutants from EPA's Table 3 of 40 CFR 503.13 were identified as POCs.
- **Existing local limits:** For re-evaluation of local limits, any existing local limit will be re-assessed to establish if the limit is still required or requires revision based on changes in loadings, changes to the WWTP, or any other criteria.

2.2 Additional Pollutants of Concern Identification

Additional POCs may be identified based on the following factors:

- **Water quality standards:** Water quality standards (WQS) have been developed by EPA and ADEQ for protection of surface waters, including the receiving waters for permitted dischargers. The POTW does not have to develop a local limit for every pollutant for which a water quality standard or criterion exists. However, EPA recommends that any pollutant that has a reasonable potential to be discharged in amounts that could exceed WQS or criteria should be considered a POC and evaluated accordingly.
- **Inhibition:** The General Pretreatment Regulations prohibit any user of a POTW from discharging pollutants that cause interference. EPA recommends that the POTW consider pollutants that have previously interfered with or may potentially interfere with the treatment works' operation

to be a potential POC. These recommendations have been considered in the identification of POCs identified for the WWTP.

- **Worker protection standards:** The EPA has established worker protection standards for pollutants discharged to the WWTP. Influent screening is conducted to identify pollutants detected at the POTW to determine, based on the pollutant's concentration, if the pollutant should be selected as a POC for which local limits are developed.

2.2.1 Sampling and Analysis for POC Identification

Site-specific data is necessary to identify any additional POCs based on the potential for exceeding WQS, causing or contributing to inhibition, or presenting risks to worker health and safety. Table 4-1 of EPA's 2004 *Local Limits Development Guidance Manual* provides the minimum recommended samples for local limits development.

Historical results from priority pollutant scans of the WWTP's influent, effluent, and sludge were evaluated as part of the POC selection to identify any additional POCs. Historical data from 2019-2022 was assessed, and most parameters had at least 10 influent and effluent results. The dataset included ongoing sampling as required in Tolleson's AZPDES permit.

2.2.2 Priority Pollutant Scans

Historical data were evaluated as part of the POC selection process to identify any additional POCs. Results with detected values were evaluated based on the criteria below, which is derived from guidance in EPA's 1987 *Guidance Manual on the Development and Implementation of Local Discharge Limitation Under the Pretreatment Program*. If a pollutant meets the following criteria, it is generally considered a POC.

- **Influent scans:**
 - If the maximum influent concentration is greater than the most stringent water quality standard (WQS), adjusted for dilution, for that pollutant. Influent exceedances of WQS alone do not necessarily indicate that the parameter is a POC. If sufficient effluent data is available to indicate there is no reasonable potential to violate WQS, the POCs based only on influent exceedances of WQS can be screened out.
 - If the maximum influent grab concentration is greater than one half of the inhibition threshold value or the maximum influent composite concentration is greater than one fourth of the inhibition threshold value
 - If the maximum influent concentration is greater than one five-hundredth of the associated biosolids criteria
 - If the maximum influent concentration exceeds the worker protection value
- **Effluent scans:**
 - If the maximum effluent concentration is greater than one half of the allowable effluent concentration required to meet WQS
- **Sludge scans:**
 - If the maximum sludge concentration is more than half of the sludge criteria

2.3 POC Screening: Final Assessment

Pollutants initially identified as POCs can be eliminated through the POC screening process if sufficient data exists to indicate there is no reasonable potential to violate standards or adversely affect the POTW.

2.3.1 Elimination of Permitted Parameters as POCs

Several pollutants from Tolleson's APP had over ten data points for the influent and effluent and were all non-detect at a reporting or detection limit well below the APP limit. These parameters were removed from the list of POCs.

2.3.2 Elimination of Other POCs Identified in Priority Pollutant Scans

Influent

Benzidine was the only pollutant detected in the influent that exceeded a WQS. However, only one influent sample was greater than the WQS, and all nine other influent samples were non-detect for benzidine. Additionally, all ten effluent results were below the detection level. This parameter was not included in the list of POCs.

Effluent

3,3'-Dichlorobenzidine, alpha-BHC, benzo[a]anthracene, benzo[a]pyrene, benzo[b]fluoranthene, and benzo[k]fluoranthene were detected in the effluent at a value greater than half the most stringent WQS. However, it should be noted that these detections were below the method reporting limit and qualified by the laboratory as estimated, and all other influent and effluent samples (19 or more) for each parameter were non-detect. Because of this, these parameters were not considered POCs.

Multiple results for bromodichloromethane and dibromochloromethane exceeded half of the most stringent WQS. Because these parameters are disinfection byproducts, and there were no influent detections, these parameters were not considered POCs.

2.3.3 Elimination of Other POCs Following Additional Sampling

Cis-1,2-dichloroethylene, styrene, and xylene were eliminated by demonstration through influent and effluent monitoring that samples were consistently non-detectable.

2.3.4 Prohibited Pollutants

The following pollutants are currently prohibited from discharge according to the 2010 Local Limits Update Study: aldrin, DDD, DDE, heptachlor, heptachlor epoxide, alpha-BHC, beta-BHC, lindane, PCBs.

Chlordane, DDT, dieldrin, and toxaphene have very low AZPDES permit limits and WQS. Because the reasonable potential to violate permit limits or WQS is indeterminate due to a higher reporting limit, these parameters have been added to the list of prohibited pollutants.

2.3.5 Final Pollutants of Concern

Table 2-1 below lists the POCs for which a headworks analysis will be conducted as part of the LLE.

Table 2-1. Pollutants of Concern	
Pollutant	Criteria
Ammonia	Previous Local Limits; AZPDES Permit Limit

Table 2-1. Pollutants of Concern	
Pollutant	Criteria
Antimony	APP Limit
Arsenic	Previous Local Limits; APP Limit
Barium	APP Limit
Beryllium	APP Limit
Bis(2-ethylhexyl) phthalate	Previous Local Limits
BOD	Previous Local Limits; AZPDES Permit Limit
Boron	Previous Local Limits; AZPDES Permit Limit
Cadmium	Previous Local Limits; APP Limit
Chromium	Previous Local Limits; APP Limit
Copper	Previous Local Limits; AZPDES Permit Limit
Cyanide	Previous Local Limits; AZPDES Permit Limit
Fluoride	APP Limit
Iron	AZPDES Permit Limit
Lead	Previous Local Limits; APP Limit
Mercury	Previous Local Limits; AZPDES Permit Limit; APP Limit
Molybdenum	Previous Local Limits
Nickel	EPA POC; APP Limit
Oil and Grease	Previous Local Limits; AZPDES Permit Limit
Selenium	Previous Local Limits; AZPDES Permit Limit; APP Limit
Silver	Previous Local Limits
Thallium	Reasonable potential to exceed WQS; APP Limit
TSS	Previous Local Limits; AZPDES Permit Limit
Zinc	Previous Local Limits

Section 3

Local Limits Development

The primary objective of this section is to describe the methodologies used to develop local limits. Included in this section are descriptions of AHL calculations based on various environmental criteria, including:

- Design criteria
- NPDES permit limits
- APP limits
- Water Quality Standards
- Trickling filter treatment inhibition
- Nitrification inhibition
- Anaerobic Digestion inhibition
- Biosolids limits

Also included in this section are references to data sources used for calculating AHLs and the rationale for assumptions. Results of AHL calculations, determinations of the MAHLs, and calculations for MAILs are also provided.

3.1 Background

The WWTP is located at 9501 W. Pima Street, Tolleson, Arizona (Figure 3-1). The majority of the effluent from the WWTP discharges to the Palo Verde Nuclear Generation Station (PVNGS) to be used as cooling water. The remaining effluent is retained at the WWTP and is used for irrigation, which is regulated under the Arizona Department of Environmental Quality (ADEQ) Type 2 Recycled Water General Permit for Class B Reclaimed Water. The City is also authorized to discharge to the Salt River under AZPDES permit AZ0020338. Effluent discharges to the Salt River are infrequent and only occur when PVNGS is shut down for maintenance or repairs or otherwise does not accept the WWTP effluent.



Figure 3-1. Google Earth image of the City of Tolleson WWTP

Imagery Date October 12, 2023

3.1.1 Permits

The WWTP is authorized to discharge treated wastewater to the Salt River under AZPDES Permit Number AZ0020338, which became effective December 11, 2020 and expires on December 10, 2025. The permitted design flow for the WWTP is 17.5 million gallons per day (mgd) as provided in the NPDES permit. Effluent used for irrigation is regulated under the Arizona Department of Environmental Quality (ADEQ) Type 2 Recycled Water General Permit for Class B Reclaimed Water.

Tolleson is also subject to ADEQ Aquifer Protection Permit (APP), 100339 for the WWTP, effluent holding pond, effluent outfall at the Salt River, and the sludge drying beds.

3.1.2 Treatment Processes

The Tolleson WWTP is designed to treat 17.5 mgd. Primary treatment consists of mechanical bar screens, grit removal, and primary clarifiers. Secondary treatment includes filtrate equalization basins, first-stage trickling filters, intermediate clarifiers, second-stage trickling filters, aeration basins, solids contact channel, and secondary clarifiers followed by disinfection. Solids treatment consists of primary sludge/scum pumps, rotary drum thickeners, thickened secondary sludge pumps, low pressure hot water boilers, fixed covered anaerobic digesters, digested sludge storage tank with gas holding cover, facultative sludge basin, belt filter presses, drying beds, and biosolids storage pad.

3.2 Site-Specific Flows and Removal Efficiencies

Average flow rates are used to calculate AHLs for all criteria. All applicable LLE flows for the WWTP are summarized in Appendix D, Table D1. The average plant flow of 5.73 mgd was calculated from the daily flows from January 2023 through December 2023.

Site-specific removal efficiencies, R_{WWTP} , were calculated using historic data and data from influent and effluent sampling conducted at the WWTP May 30 through August 30, 2023, as presented in Tables D3 and D4. If an appropriate removal efficiency could not be calculated from the sampling data (e.g., if all results are non-detect), literature values were used. Removal efficiencies for BOD and TSS were calculated using plant data from January 2023 through December 2023.

Median literature values from EPA's Local Limits Development Guidance Manual (EPA 2004) were used for secondary removal efficiencies for lead and nickel due to non-detects. These values are provided as a reference in Appendix B, Table B2. Literature values for primary removal efficiencies, as reported by other POTWs in studies that have been published in professional journals or by EPA, were used in developing local limits. These literature-based data are presented in Appendix R of EPA's *Local Limits Development Guidance Manual* (EPA 2004) and can be found in Appendix B, Table B1.

3.3 Calculation of AHLs Based on Permit Limits

An effective means of restricting the discharge of pollutants into receiving waters is through an NPDES permit limit. NPDES is the permitting system established by the Clean Water Act that regulates the discharge of pollutants into the waters of the United States. NPDES permit limits applied to discharges from the WWTP are used in the derivation of local limits to prevent pollutant pass-through.

The WWTP's NPDES permit includes monthly average, weekly average, and daily maximum discharge limitations for POCs outlined in Table A2 of Appendix A. EPA recommends that only the more conservative monthly average concentrations be used in calculating NPDES-based AHLs. Monthly average permit limits were used to calculate AHLs for POCs for which a value exists.

Aquifer Protection Permit No. P-100339, effective September 24, 2013, also includes discharge limits that the WWTP must meet. These limits were included in the AHL calculations.

As illustrated in Equation 3-1, an AHL based on an NPDES permit limit or APP limit (AHL_{NPDES}) is the pollutant loading at the WWTP flow ($C_{NPDES} * Q_{WWTP}$) divided by the fraction of the pollutant not removed by the plant ($1 - R_{WWTP}$).

$$\text{Equation 3-1} \quad AHL_{NPDES} = \frac{(8.34)(C_{NPDES})(Q_{WWTP})}{(1 - R_{WWTP})}$$

Where:

AHL_{NPDES}	= AHL based on NPDES permit limit or APP limit, lb/day
C_{NPDES}	= NPDES permit limit or APP limit, mg/L
Q_{WWTP}	= WWTP average flow rate, mgd
R_{WWTP}	= Plant removal efficiency from headworks to plant effluent, as decimal
8.34	= Conversion factor, lb/gal

3.3.1 Data Sources and Assumptions

Calculations were performed based on the following components.

Flow Rates. Average flow from Appendix D, Table D1 for the WWTP was used in this calculation: Q_{WWTP} , 5.73 mgd.

Permit Limits. WWTP NPDES and APP permit limits for POCs, C_{NPDES} , are shown in Appendix A, Tables A2 through A3.

Plant Removal Efficiencies. Site-specific removal efficiencies, R_{WWTP} , described in 3.2, were used in this calculation. Median literature values were used for lead and nickel.

3.3.2 Calculation Results

AHLs based on the NPDES permit and APP were calculated only for those pollutants with established permit limits. A summary of these AHLs is provided in Appendix E, Table E9.

3.4 Calculation of AHLs Based on Water Quality Standards

WQS established by ADEQ were used to calculate AHLs for the protection of the receiving stream. As illustrated in Equation 3-2, AHLs based on state WQS (AHL_{WQS}) are calculated as the pollutant loading to the water body at the water quality limit [$C_{WQS}(Q_{STR} + Q_{WWTP})$], adjusted for the background loading of the water body ($C_{STR} * Q_{STR}$), and divided by the fraction of the pollutant not removed by the plant ($1 - R_{WWTP}$).

$$\text{Equation 3-2} \quad AHL_{WQS} = \frac{(8.34)[C_{WQS}(Q_{STR} + Q_{WWTP}) - (C_{STR} * Q_{STR})]}{(1 - R_{WWTP})}$$

Where:

AHL_{WQS}	= AHL based on state WQS, lb/day
C_{STR}	= Receiving stream background concentration, mg/L
C_{WQS}	= In-stream state WQS, mg/L
Q_{STR}	= Receiving stream (upstream) flow rate, mgd
Q_{WWTP}	= WWTP average flow rate, mgd
R_{WWTP}	= Plant removal efficiency from headworks to plant effluent, as decimal
8.34	= Conversion factor, lb/gal

3.4.1 Data Sources and Assumptions

AHLs based on WQS were calculated using Equation 3-2. The following data sources and assumptions were used.

3.4.1.1 Receiving Stream Flow Rates

The AZ0020338 permit fact sheet notes that Arizona state water quality rules require that WQS be achieved without mixing zones unless the permittee applies for and is approved for a mixing zone. Since a mixing zone was not applied for or granted for any outfalls, and the receiving stream is ephemeral prior to discharge, all water quality criteria are applied at end-of-pipe. A stream flow of zero (0) mgd was used in the calculations.

3.4.1.2 Water Quality Standards

As noted in the AZ0020338 permit fact sheet, the designated uses for the Salt River are Aquatic and Wildlife effluent dependent water (A&Wedw), Partial Body Contact (PBC), Fish Consumption (FC), Agricultural Irrigation (Agl), Agricultural Livestock watering (AgL). The WQS from *Arizona Administrative Code, Title 18, Chapter 11 – Water Quality Standards* for these use classifications were used in the calculations. These values are provided in Appendix A, Table A5.

Ammonia water quality criteria are dependent on the pH and temperature of the effluent at the time of sampling. To account for this, ADEQ developed a monthly average ammonia impact ratio (AIR) limit of 1, where the AIR is calculated by dividing the ammonia concentration in the effluent by the applicable ammonia standard based on the effluent pH and temperature at the time of sampling.

In order to develop an AHL based on ammonia water quality, a single ammonia water quality criterion is needed. Using the equation from Table 16 of the *Arizona Administrative Code, Title 18, Chapter 11 – Water Quality Standards* shown below, a chronic ammonia water quality criterion was calculated for each day from October 2022 through September 2023 using the corresponding temperature and pH from that day. To be conservative, the lowest calculated water quality standard was used to develop the water quality-based ammonia AHL. The calculations are shown in Appendix C, Table 1.

$$0.9405 \times \left(\frac{0.020278}{1 + 10^{7.688 - \text{pH}}} + \frac{1.1994}{1 + 10^{\text{pH} - 7.688}} \right) \times (7.547 \times 10^{0.028 \times (20 - \text{MAX}(T, 7)))}$$

Arizona also has numeric aquifer WQS that apply to aquifers that are classified for drinking water protected use. Tolleson's Aquifer Protection Permit discharge limits are equivalent to the aquifer WQS in *Arizona Administrative Code, Title 18, Chapter 11 – Water Quality Standards*. Because a mixing zone is not applied in the AHL calculations for WQS, the calculations for AHLs based on aquifer WQS would be the same as the calculations for AHLs based on Aquifer Protection Permit discharge limits. For this reason, AHL calculations for aquifer WQS were not included.

3.4.1.3 Upstream Background Concentrations

Because all water quality criteria are applied at end-of-pipe, no upstream background concentrations were used in the calculations.

3.4.1.4 Flow Rates

Average Flow from Appendix D, Table D1 for the WWTP were used in this calculation: Q_{WWTP} , 5.73 mgd.

3.4.2 Calculation Results

The final state WQS for POCs are listed in Appendix A, Table A5. The data and calculation results for the AHLs to ensure compliance with the WQS at the WWTP are provided in Appendix E. AHLs based on WQS were calculated only for those pollutants with established standards or criteria. A summary of AHLs based on WQS is provided in Appendix E.

3.5 Calculation of AHLs Based on Trickling Filter Treatment Inhibition

Inhibition-based AHLs were calculated to protect against operational problems for biological treatment processes during secondary and treatment. This inhibition can interfere with a POTW's ability to remove pollutants, including BOD. EPA does not require POTWs to calculate AHLs based on inhibition threshold levels if current loadings are acceptable to the treatment processes. For the WWTP, AHLs were calculated to prevent future loadings that may cause inhibition.

As illustrated in Equation 3-3, the AHL based on inhibition of trickling filter treatment (AHL_{INHIB1}) is calculated by dividing the pollutant loading to the secondary treatment unit at the inhibition criterion ($C_{\text{INHIB1}} * Q_{\text{WWTP}}$) by the fraction of the pollutant not removed after primary treatment ($1 - R_{\text{PRIM}}$).

$$\text{Equation 3-3} \quad AHL_{\text{INH1}} = \frac{(8.34)(C_{\text{INHIB1}})(Q_{\text{WWTP}})}{(1 - R_{\text{PRIM}})}$$

Where:

AHL_{INHIB1}	= AHL based on inhibition of trickling filter treatment, lb/day
C_{INHIB1}	= Inhibition criterion for trickling filter treatment, mg/L
Q_{WWTP}	= WWTP average flow rate, mgd

R_{PRIM}	= Removal efficiency from headworks to primary treatment effluent, decimal
8.34	= Conversion factor, lb/gal

3.5.1 Data Sources and Assumptions

AHLs based on trickling filter treatment inhibition were calculated using Equation 3-3. The following data sources and assumptions were used.

Trickling Filter Treatment Inhibition Thresholds. Inhibition threshold levels have been reported at other POTWs, as provided in EPA's *Local Limits Development Guidance Manual* (EPA 2004). These literature-based inhibition threshold levels for trickling filter treatment, C_{INHIB1} , are provided in Appendix B, Table B3. Site-specific inhibition threshold levels were not available. Therefore, all inhibition threshold levels are based on literature values. Where the literature provided a range of inhibition thresholds values, the median reported threshold levels were used in calculating the AHLs.

Flow Rate. Average flow from Appendix D, Table D1 for the WWTP was used in this calculation: Q_{WWTP} , 5.73 mgd.

Primary Removal Efficiencies. Primary removal efficiencies reported by other POTWs in studies that have been published in professional journals or by EPA were used calculating the AHLs. These literature-based data are presented in Appendix R of EPA's *Local Limits Development Guidance Manual* (EPA 2004) and can be found in Appendix B, Table B1.

3.5.2 Calculation Results

The data and calculation results for the AHLs to protect against trickling filter treatment inhibition at the WWTP are provided in Appendix E, Table E4. A summary of AHLs based on trickling filter treatment inhibition is provided in Appendix E, Table E9.

3.6 Calculation of AHLs Based on Nitrification Inhibition

Inhibition-based AHLs were calculated to protect against operational problems for nitrification. EPA does not require POTWs to calculate AHLs based on inhibition threshold levels if current loadings are acceptable to the treatment processes. For the WWTP, AHLs were calculated to prevent future loadings that may cause inhibition.

As illustrated in Equation 3-4, the AHL based on inhibition of nitrification (AHL_{INHIB2}) is calculated by dividing the pollutant loading to the secondary treatment unit at the inhibition criterion ($C_{INHIB2} * Q_{WWTP}$) by the fraction of the pollutant not removed after primary treatment ($1 - R_{PRIM}$).

$$\text{Equation 3-4} \quad AHL_{INHIB2} = \frac{(8.34)(C_{INHIB2})(Q_{WWTP})}{(1 - R_{PRIM})}$$

Where:

AHL_{INHIB2}	= AHL based on inhibition of nitrification, lb/day
C_{INHIB2}	= Inhibition criterion for nitrification, mg/L
Q_{WWTP}	= WWTP average flow rate, mgd
R_{PRIM}	= Removal efficiency from headworks to primary treatment effluent, decimal
8.34	= Conversion factor, lb/gal

3.6.1 Data Sources and Assumptions

AHLs based on nitrification inhibition were calculated using Equation 3-4. The following data sources and assumptions were used.

Nitrification Inhibition Thresholds. Inhibition threshold levels have been reported at other POTWs, as provided in EPA's *Local Limits Development Guidance Manual* (EPA 2004). These literature-based inhibition threshold levels for nitrification, C_{INHIB2} , are provided in Appendix B, Table B4. Site-specific inhibition threshold levels were not available. Therefore, all inhibition threshold levels are based on literature values. Where the literature provided a range of inhibition thresholds values, the median reported threshold levels were used in calculating the AHLs.

Flow Rate. Average flow from Appendix D, Table D1 for the WWTP were used in this calculation: Q_{WWTP} , 5.73 mgd.

Primary Removal Efficiencies. Primary removal efficiencies reported by other POTWs in studies that have been published in professional journals or by EPA were used calculating the AHLs. These literature-based data are presented in Appendix R of EPA's *Local Limits Development Guidance Manual* (EPA 2004) and can be found in Appendix B, Table B1.

3.6.2 Calculation Results

The data and calculation results for the AHLs to protect against nitrification inhibition at the WWTP are provided in Appendix E, Table E5. A summary of AHLs based on nitrification inhibition is provided in Appendix E, Table E9.

3.7 Calculation of AHLs Based on Anaerobic Digestion Inhibition

Inhibition-based AHLs were calculated to protect against operational problems for anaerobic digestion. EPA does not require POTWs to calculate AHLs based on inhibition threshold levels if current loadings are acceptable to the treatment processes. For the WWTP, AHLs were calculated to prevent future loadings that may cause inhibition.

As illustrated in Equation 3-5, the AHL based on inhibition of anaerobic digestion (AHL_{INHIB3}) is calculated by dividing the pollutant loading to the digester at the inhibition criterion ($C_{INHIB3} * Q_{DIG}$) by the fraction of the pollutant removed by the WWTP (R_{WWTP}).

$$\text{Equation 3-5} \quad AHL_{INHIB3} = \frac{(8.34)(C_{INHIB3})(Q_{DIG})}{(R_{WWTP})}$$

Where:

AHL_{INHIB3}	= AHL based on inhibition of anaerobic digestion, lb/day
C_{INHIB3}	= Inhibition criterion for anaerobic digestion, mg/L
Q_{DIG}	= Digester average flow rate, mgd
R_{WWTP}	= Removal efficiency from headworks to plant effluent, decimal
8.34	= Conversion factor, lb/gal

3.7.1 Data Sources and Assumptions

AHLs based on anaerobic digestion inhibition were calculated using Equation 3-5. The following data sources and assumptions were used.

Anaerobic Digestion Inhibition Thresholds. Inhibition threshold levels have been reported at other POTWs, as provided in EPA's *Local Limits Development Guidance Manual* (EPA 2004). These literature-based inhibition threshold levels for anaerobic digestion, C_{INHIB3} , are provided in Appendix B, Table B5. Site-specific inhibition threshold levels were not available. Therefore, all inhibition threshold levels are based on literature values. Where the literature provided a range of inhibition thresholds values, the median reported threshold levels were used in calculating the AHLs.

Flow Rate. Average flow to the digester was used in this calculation: Q_{DIG} , 0.02 mgd.

Plant Removal Efficiencies. Site-specific removal efficiencies and literature values, R_{WWTP} , described in 3.2, were used in this calculation.

3.7.2 Calculation Results

The data and calculation results for the AHLs to protect against nitrification inhibition at the WWTP are provided in Appendix E, Table E6. A summary of AHLs based on nitrification inhibition is provided in Appendix E, Table E9.

3.8 Calculation of AHLs Based on Design Criteria

Some pollutants such as ammonia, BOD, and TSS require additional evaluation before MAHLs are established because POTWs are typically designed to treat these pollutants. EPA recommends that POTWs develop AHLs based on design criteria when the POTW begins to operate at 80 to 90 percent of its design capacity for 3 to 6 consecutive months. In addition, if the rate of increase in pollutant loadings suggests that the full capacity of the WWTP will be used within 5 to 7 years, then planning to avoid future violations should begin immediately.

As illustrated in Equation 3-6, the AHL based on design criteria (AHL_{DESIGN}) is the design criteria (lb/day).

Equation 3-6 $AHL_{DESIGN} = DC$

Where:

AHL_{DESIGN}	= AHL based on design criteria, lb/day
DC	= Design criteria, lb/day

3.8.1 Data Sources and Assumptions

AHLs based on design criteria were calculated using Equation 3-6. The following data sources and assumptions were used.

Design Criteria. Design loadings from the Brown and Caldwell Ammonia Removal Project Design Report, Section 5.1, Design Flow and Loads, City of Tolleson, 2014, p. 5-1 were used in the calculations.

3.8.2 Calculation Results

The data and calculation results for the AHLs based on design criteria for the WWTP are provided in Table E2, Appendix E. A summary of AHLs is provided in Table E9, Appendix E.

3.9 Calculation of AHLs Based on Sludge Disposal Regulations

Sludge disposal-based AHLs can be calculated for sludge depending on its end use. For example, sludge may be applied to land to condition the soil or fertilize crops, disposed of in a landfill, or incinerated. Sludge from the Tolleson WWTP is either land applied or hauled to the landfill. Therefore, land application concentrations from 40 CFR Part 503 and Table 9 of permit AZ0020338 were used. The concentrations are found in Table A4 of Appendix A.

As illustrated in Equation 3-7, the AHL based on sludge regulations (AHL_{SLUDGE}) is calculated by dividing the pollutant loading of sludge at the sludge standard ($C_{SLUDGE} * Q_{SLUDGE}$) by the overall plant removal efficiency (R_{WWTP}).

Equation 3-7
$$AHL_{SLUDGE} = \frac{(C_{SLUDGE})(Q_{SLUDGE})(0.0022)}{(R_{WWTP})}$$

Where:

AHL_{SLUDGE}	= AHL based on sludge regulations, lb/day
C_{SLUDGE}	= Most stringent sludge standard, mg/kg-dry
Q_{SLUDGE}	= Total sludge flow to disposal, dry metric tons/day
R_{WWTP}	= Removal efficiency from headworks to final effluent, decimal
0.0022	= Conversion factor

3.9.1 Data Sources and Assumptions

AHLs based on sludge regulations were calculated using Equation 3-7. The sludge criteria used in the equation, C_{SLUDGE} , is the land application criteria listed in Table A4 of Appendix A. The sludge flow was based on data from 2022.

Plant removal efficiencies were applied as discussed in Section 3.2.

3.9.2 Calculation Results

The data and calculation results for the AHLs based on sludge disposal regulations for the WWTP are provided in Table E7, Appendix E. A summary of AHLs based on sludge disposal regulations is provided in Table E9, Appendix E.

3.10 Maximum Allowable Headworks Loadings

Table E9, Appendix E provides a summary of the AHLs calculated to ensure compliance with each of the environmental criteria: design criteria, permit limits, trickling filter treatment inhibition, nitrification inhibition, anaerobic digestion inhibition, sludge disposal and WQS. Table E9, Appendix E identifies the most stringent AHL for each POC, referred to as the MAHL. This loading is the maximum loading the WWTP can accept at the headworks, and it is used to calculate the MAILs and local limits.

EPA recommends that local limits are needed when the current average influent loading of a toxic pollutant exceeds 60 percent of the MAHL or when the maximum daily influent loading of a toxic pollutant exceeds 80 percent of the MAHL any time during the 12-month period preceding the analysis. Equation 3-8 is used to compare the WWTP loadings based on influent concentrations and flow to the calculated MAHLs for individual POCs and can be used to calculate the percentage of the MAHL currently being received at the WWTP. The average influent loading was used in this equation for all POCs.

$$\text{Equation 3-8} \quad L_{\%} = \frac{L_{INFL}}{MAHL} * 100$$

$$\text{Where:} \quad L_{INFL} = 8.34 \times Q_{WWTP} \times C_{INFL}$$

and:

$L_{\%}$	=	Percentage of MAHL currently utilized percent
L_{INFL}	=	Current influent loading, lb/day
MAHL	=	Calculated MAHL, lb/day
Q_{WWTP}	=	WWTP average flow rate, mgd
C_{INFL}	=	Average influent pollutant loading, lb/day
8.34	=	Conversion factor, lb/gal

3.10.1 Data Sources and Assumptions

Average influent concentrations were used (Appendix D). Using the average flow rate at the WWTP of 5.73 mgd and the conversion factor 8.34, the average influent concentrations were converted to average influent loadings for use in Equation 3-8.

3.10.2 Calculation Results

Calculated percentages of MAHLs currently received at the WWTP are provided in Appendix E. No new local limits for parameters without existing local limits were developed based on the comparison of current loadings to MAHLs.

3.11 Maximum Allowable Industrial Loadings

The MAIL is the estimated maximum loading of a pollutant that can be received at a POTW's headworks from all permitted industrial users and other controlled sources without causing pass-through or interference. As shown in Equation 3-9, the MAIL is calculated by subtracting estimates of loadings from uncontrolled sources (L_{UNC}), from a MAHL adjusted with a safety and growth factor (SGF).

$$\text{Equation 3-9} \quad MAIL = MAHL(1 - SGF) - (L_{UNC})$$

$$\text{Where:} \quad L_{UNC} = (C_{UNC} \times Q_{UNC} \times 8.34)$$

and:

MAIL	=	Maximum allowable industrial loading, lb/day
MAHL	=	Maximum allowable headworks loading, lb/day
L_{UNC}	=	Loadings from uncontrolled sources, lb/day
SGF	=	Safety and growth factor, decimal, if desired
C_{UNC}	=	Domestic and commercial background levels, mg/L
Q_{UNC}	=	Domestic and commercial flow, mgd
8.34	=	Conversion factor, lb/gal

A POTW can then use several basic approaches to assign limits to its controlled or permitted dischargers, including limits based on industrial user contributions of a pollutant, uniform limits for all controlled dischargers, as needed case-by-case, or creative allocation methods. These approaches can vary between POTWs and pollutants. For this LLE, MAILs were calculated so that Tolleson may allocate loadings on a site-specific as-needed basis and re-allocate as necessary without the need for ADEQ review and approval.

3.11.1 Data Sources and Assumptions

Flow Rates. Average WWTP flow from domestic and commercial sources (Q_{UNC}) is 4.94 mgd and was calculated by subtracting total industrial flow, 1.05 mgd, (Q_{IND}) from the WWTP average flow rate (Q_{WWTP}) of 5.73 mgd.

Domestic and Commercial Wastewater Background Concentrations. The average domestic/commercial background concentrations of POCs were calculated using results from background sampling in the Tolleson collection system conducted June 20, 2023 through July 19, 2023. Sample collection sites were selected within the Tolleson collection system that are exclusive to domestic and commercial flows and independent of any industrial contributions.

Safety and Growth Factor. The main purpose of a safety factor is to address data “uncertainties” that can affect the ability of the WWTP to calculate accurate local limits. At a minimum, EPA recommends a 10 percent safety factor. Safety factors can vary between POCs and should depend on the variability of the WWTP’s data, amount of data the WWTP used to develop its MAHLs, quality of the WWTP’s data, amount of literature data used, history of compliance with the parameter, and potential for industrial user slug loadings (for example, because of a chemical spill or flood event). In addition to the safety factor, a growth factor can be incorporated to account for anticipated growth in the service area from present until the local limits will be reevaluated.

A safety factor of five percent was used in the evaluation for BOD and TSS. A safety factor of 10 percent was used for all other POCs. No additional growth factor was included at the City’s discretion.

3.12 BOD and TSS

After reviewing the data, it was determined that the original collection system locations were not representative of the overall domestic and commercial BOD and TSS concentrations discharged to the Tolleson WWTP. Five new collection system locations were selected that were found to be representative of the domestic and commercial contribution, and additional background sampling was conducted between December 6, 2023 and December 13, 2023. The resulting average BOD and TSS concentrations were used to develop representative domestic and commercial loadings in order to calculate MAILs for BOD and TSS.

3.12.1 BOD Design Capacity

The design capacity for the Tolleson WWTP is 40,650 lb/day of BOD. It was determined that this value is overly conservative when developing daily maximum limits for industrial users. Instead, the City proposes to use this design capacity to develop monthly average limits for industrial users.

Daily BOD loadings and removal efficiencies from 2023 were assessed to determine an estimate of the maximum BOD loading that the Tolleson WWTP can sufficiently treat and maintain compliance with effluent limits. More than half of Tolleson’s daily influent BOD loadings (35 out of 67 data points) exceeded the design capacity of 40,650 lb/day, including the maximum daily loading of 93,385 pounds on March 21, 2023. No permit exceedances were reported during this time period. The average BOD loading in excess of the rated design capacity is 55,813 lb/day. The City proposes to use this value to calculate the MAIL for BOD which will be allocated as a daily maximum limit.

The daily BOD loading comparison is provided in Table C2 of Appendix C.

3.13 Other Local Limits

3.13.1 Oil and Grease

The pretreatment regulations in 40 CFR 403.5(b)(6) prohibit the discharge of “petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass-through.” If treatment inhibition is occurring, WWTPs could calculate oil and grease removal efficiencies, determine inhibition criteria, and determine AHLs based on inhibition. According to EPA, most WWTPs have adopted a limit between 100 and 400 mg/L limit for fats, oil, and grease of animal or vegetable origin as determined by an approved analytical procedure for oil and grease analysis. Tolleson currently uses a 100 mg/L oil and grease limit. The calculated limit developed from the permit limit-based AHL is 914 mg/L. The current oil and grease limit of 100 mg/L will be maintained.

3.13.2 Sulfides

The existing local limits of 0.5 mg/L for dissolved sulfides and 10 mg/L for total sulfides are recommended to be maintained to protect the wastewater collection system and to reduce odor potential in the collection system and WWTP influent. If industrial discharge compliance becomes problematic, the specific sulfide forms in an SIU discharge and their potential for odor and hydrogen sulfide formation should be evaluated.

3.13.3 pH

Besides the low-end pH limit specified in the General Pretreatment Regulations, EPA recommends WRTPs evaluate the need to set upper pH limits or more stringent low-end pH limits. A WWTP should set an upper pH limit if corrosion damage attributable to high-pH discharges is identified. An upper limit pH of up to 12.5 may be an appropriate upper limit in lieu of any identified high pH corrosion concerns. However, because wastewater of pH 12.5 or higher is considered a hazardous waste (exhibiting the characteristic of corrosivity) under 40 CFR 261.22(a)(1), additional reporting and liability results when hazardous waste is discharged to a sanitary sewer. The WWTP needs to set an upper pH limit that is protective of the WWTP, but also allows for some margin of safety to avoid characterization as hazardous waste.

Tolleson currently uses the pH range limit of 6.0 to 10.5 S.U. There were no identified issues with the current pH range; therefore, the pH range limit will remain at 6.0 to 10.5 S.U.

3.13.4 Prohibited Pollutants

The following pollutants are currently prohibited from discharge according to the 2010 Local Limits Update Study: aldrin, DDD, DDE, heptachlor, heptachlor epoxide, alpha-BHC, beta-BHC, lindane, PCBs.

Chlordane, DDT, dieldrin, and toxaphene have very low AZPDES permit limits and WQS. Because the reasonable potential to violate permit limits or WQS is indeterminate due to a higher reporting limit, these parameters have been added to the list of prohibited pollutants.

3.14 Summary

The calculated and proposed MAILs that apply to all non-domestic dischargers to the WWTP are provided below. MAILs are proposed for all parameters that had an existing limit. Because the headworks loading analysis for antimony, barium, beryllium, fluoride, iron, and thallium indicates that the influent loadings are well below the corresponding MAHLs, new local limits for these parameters are not needed.

Existing local limits for oil and grease, pH, dissolved sulfides, and total sulfides will be maintained. The following pollutants are specifically prohibited: aldrin, DDD, DDE, heptachlor, heptachlor epoxide, alpha-BHC, beta-BHC, lindane, PCBs, chlordane, DDT, dieldrin, and toxaphene.

Based on this comprehensive evaluation, influent loadings below the proposed limits are not expected to cause interferences with treatment processes at the WWTP. Table 3-1 provides a summary of the proposed MAILs. The basis for each MAIL calculation is also provided. The basis is the most stringent criteria for which AHLs were calculated. Tolleson is requesting approval of the MAILs to allocate to industries on a site-specific, case-by-case basis in either mass- or concentration-based limits.

Table 3--1. Proposed Maximum Allowable Industrial Loadings

Pollutant	Maximum Allowable Industrial Loading (lb/day)	Basis
Ammonia (as N)	1,235	Design Criteria
Biochemical Oxygen Demand (BOD), monthly average	27,407	Design Criteria
Biochemical Oxygen Demand (BOD), daily maximum	41,812	Design Criteria
Suspended Solids, Total (TSS)	22,181	Design Criteria
Arsenic	1.08	Sludge Disposal
Bis (2-ethylhexyl) phthalate	0.612	Discharge Permit Limits
Boron	27.9	Discharge Permit Limits
Cadmium	0.170	Sludge Disposal
Chromium	10.4	Discharge Permit Limits
Copper	4.31	Anaerobic Digestion Inhibition
Cyanide	0.185	Discharge Permit Limits
Lead	0.712	Water Quality Standards
Mercury	*	Discharge Permit Limits
Molybdenum	0.344	Sludge Disposal
Nickel	5.66	Sludge Disposal
Selenium	0.217	Discharge Permit Limits
Silver	1.67	Water Quality Standards
Zinc	7.32	Sludge Disposal

* The calculated MAIL for mercury is negative due to the domestic loading exceeding the MAHL. A uniform concentration local limit of 0.00004 mg/L will be set based upon maximum recorded background concentrations.

Section 4

Industrial Allocations

A POTW has several options available for applying limits to its controllable sources, including permitted industries. Limits can be applied as concentration-based limits (typically in mg/L) or mass-based limits (typically in lb/day), or both. The type of limit is in part dependent on the type of method used by the POTW to allocate the MAILs among the dischargers. There are several methods commonly used to allocate limits.

The uniform method of allocating MAILs is a commonly used method that yields one limit per pollutant that applies to all IUs regardless of size, permitted flow, or discharge. This method is not always preferred, since some IUs that do not discharge the pollutant may be given an allocation of the MAIL that they may not need whereas other IUs that do discharge that same pollutant may have to pretreat to comply with the uniform local limit.

Two additional methods of allocating MAILs among IUs are flow-based or mass-based limits. Flow-based limits are based on the permitted flows of each IU, whereas the mass-based limits are based on the proportion of the discharger's loadings to the total influent loadings at the WWTP.

Finally, a WWTP may set limits specific to each IU on a case-by-case basis. This type of allocation allows the WWTP personnel to use their knowledge of each IU discharge in conjunction with their own judgment in setting limits. This method can be used in conjunction with either flow-based or mass-based limits.

Section 5

Final Proposed Local Limits

Table 5-1 provides a summary of the existing local limits and calculated MAILs for the WWTP. Tolleson is requesting approval of the MAILs to allocate to industries on a site-specific, case-by-case basis in either mass- or concentration-based limits. The final proposed MAILs are as follows:

Table 5-1. Final Proposed Local Limits for City of Tolleson			
Pollutant	Existing MAIL (lb/day)	Existing Local Limits (mg/L)	Recommended Local Limits as MAIL (lb/day)
Ammonia (as N)	---	30 ¹	1,235
Biochemical Oxygen Demand (BOD), monthly average			27,407
Biochemical Oxygen Demand (BOD), daily maximum	---	500 ²	41,812
Suspended Solids, Total (TSS)	----	500 ²	22,181
Arsenic	0.412	0.04	1.08
Bis (2-ethylhexyl) phthalate	0.477	0.04	0.612
Boron	39.8	3.5	27.9
Cadmium	0.546	0.05	0.170
Chromium	10.3	0.92	10.4
Copper	5.35	0.48	4.31
Cyanide	0.723	0.06	0.185
Lead	3.73	0.33	0.712
Mercury	--- ⁵	0.0002	--- ³
Molybdenum	1.55	0.14	0.344
Nickel	NL	NL	5.66
Selenium	0.036	0.003	0.217
Silver	1.79	0.16	1.67
Zinc	22.0	1.9	7.32
Oil and Grease	---	100	--- ⁴
pH	---	6.0-10.5 S.U.	--- ⁴
Dissolved Sulfides	---	0.5	--- ⁴
Total Sulfides	---	10	--- ⁴

¹ Recommended alert level for monitoring

² Alert limit that will trigger evaluation of the total SIU load and impact on the treatment plant capacity

³ The calculated MAIL for mercury is negative due to the domestic loading exceeding the MAHL. A uniform concentration local limit of 0.00004 mg/L will be set based upon maximum recorded background concentrations.

⁴ The current local limit will be maintained

⁵ Existing MAIL is negative due to the domestic loading exceeding the existing MAHL

Section 6

Limitations

This document was prepared solely for the City of Tolleson in accordance with professional standards at the time the services were performed and in accordance with the contract between City of Tolleson and Brown and Caldwell dated June 8, 2022. This document is governed by the specific scope of work authorized by City of Tolleson; it is not intended to be relied upon by any other party except for regulatory authorities contemplated by the scope of work. We have relied on information or instructions provided by City of Tolleson and other parties and, unless otherwise expressly indicated, have made no independent investigation as to the validity, completeness, or accuracy of such information.

Further, Brown and Caldwell makes no warranties, express or implied, with respect to this document, except for those, if any, contained in the agreement pursuant to which the document was prepared. All data, drawings, documents, or information contained this report have been prepared exclusively for the person or entity to whom it was addressed and may not be relied upon by any other person or entity without the prior written consent of Brown and Caldwell unless otherwise provided by the Agreement pursuant to which these services were provided.

Section 7

References

- Arizona Administrative Code, December 31, 2022, *Title 18, Environmental Quality, Chapter 11, Department of Environmental Quality, Water Quality Standards*.
- Arizona Department of Environmental Quality, September 24, 2013, *Aquifer Protection Permit No: P-100339*.
- Arizona Department of Environmental Quality, December 11, 2020, *NPDES Permit No: AZ0020338*.
- Arizona Department of Environmental Quality, December 11, 2020, *NPDES Permit No: AZ0020338 Fact Sheet*.
- Brown and Caldwell, *Ammonia Removal Project Design Report, Section 5.1, Design Flow and Loads, City of Tolleson*, 2014, p. 5-1.
- OEM Services, *City of Tolleson Local Limits Study*, May 11, 2010.
- United States Environmental Protection Agency, 1982, *Fate of Priority Pollutants in Publicly Owned Treatment Works*, Volume I, EPA 440/1-82/303.
- United States Environmental Protection Agency, 1991, *Supplemental Manual on the Development and Implementation of Local Discharge Limitations Under the Pretreatment Programs*.
- United States Environmental Protection Agency, 1992, *Guidance to Protect POTW Workers from Toxic and Reactive Gases and Vapors*, EPA 812-B-92-001.
- United States Environmental Protection Agency, 1994, *A Plain English Guide to the EPA Part 503 Biosolids Rule*, EPA 832-R-93-003.
- United States Environmental Protection Agency, 2004, *Local Limits Development Guidance*, EPA 833-R-04-002A.

Appendix A: Regulatory Limits and Criteria



**Table A1. Influent Basis of Design for City of Tolleson Wastewater Treatment Plant
Industrial Pretreatment Program: Local Limits Evaluation
Tolleson, AZ**

Design Flow and Load Summary	
Design Parameter	Design Value
Flow, MGD	8.23
BOD concentration, mg/L	592
BOD load, ppd	40,650
TSS concentration, mg/L	432
TSS load, ppd	29,633
Ammonia concentration, mg/L	42
Ammonia load, ppd	2,889

Source: Brown and Caldwell, *Ammonia Removal Project Design Report*, Section 5.1, Design Flow and Loads, City of Tolleson, 2014, p. 5-1.

Table A2. AZPDES Permit Limits for City of Tolleson Wastewater Treatment Plant (WWTP)
Industrial Pretreatment Program: Local Limits Evaluation
Tolleson, AZ

Parameter	Effluent Limitations						Monitoring Requirements	
	Mass Limits (kg/day)			Concentration Limits (mg/L)			Minimum Measurement Frequency	Required Sample Type
	Monthly Average	Weekly Average	Daily Maximum	Monthly Average	Weekly Average	Daily Maximum		
Outfall 001: Salt River in the Middle Gila River Basin - Effluent Limits and Monitoring Requirements								
Discharge Flow (MGD)	Report	--	Report	--	--	--	Continuous	Metered
Biochemical oxygen demand (BOD5) (5-day)	2000	3000	--	30	45	--	1/week	24-Hr Composite
BOD ^a	--	--	--	85% Removal Minimum	--	--	1/week	24-Hr Composite
Total Suspended Solids (TSS)	2000	3000	--	30	45	--	1/week	24-Hr Composite
TSS ^a	--	--	--	85% Removal Minimum	--	--	1/week	24-Hr Composite
<i>E Coli</i>	--	--	--	126 cfu/100 mL	--	575 cfu/100 mL	4/month	Discrete
Chlorine, Total Residual (TRC)	0.600	--	1.20	0.009	--	0.018	5/week	Discrete
Ammonia	--	--	--	Calc. ^b	--	Calc. ^b	2/month	Discrete
Ammonia Impact Ratio	--	--	--	1	--	2	2/month	Discrete
Oil and Grease	660	--	990	10	--	15	1/month	Discrete
Boron	66.2	--	96.6	1.000	--	1.459	1/month	24-Hr Composite
Copper	1.260	--	2.450	0.019	--	0.037	1/month	24-Hr Composite
Cyanide	0.530	--	1.100	0.008	--	0.016	1/month	Discrete
Iron	54.200	--	108.6	0.819	--	1.640	1/month	24-Hr Composite
Mercury	0.0007	--	0.001	1.00E-05	--	2.00E-05	1/month	Discrete
Selenium	0.100	--	0.200	0.002	--	0.003	1/month	24-Hr Composite
Hardness	--	--	--	Report [mg/L]	--	Report [mg/L]	1/month	24-Hr Composite
Bis (2-ethylhexyl) phthalate	0.200	--	0.300	0.003	--	0.004	1/quarter	24-Hr Composite
Chlordane	0.00005	--	0.00008	0.0000008	--	0.000001	1/quarter	24-Hr Composite
Dieldrin	0.000003	--	0.000005	0.00000005	--	0.00000007	1/quarter	24-Hr Composite
p,p'-Dichloro diphenyl dichloroethane (DDD)	0.000010	--	0.00002	0.0000002	--	0.0000003	1/year	24-Hr Composite
p,p'-Dichloro diphenyl dichloroethylene (DDE)	0.000010	--	0.00002	0.0000002	--	0.0000003	1/year	24-Hr Composite
p,p'-Dichloro diphenyl trichloroethane (DDT)	0.000010	--	0.00002	0.0000002	--	0.0000003	1/year	24-Hr Composite
2,4,6 - Trichlorophenol	0.100	--	0.200	0.002	--	0.003	1/quarter	24-Hr Composite
p-Chloro-m-cresol	0.255	--	0.511	0.00385	--	0.00772	1/quarter	24-Hr Composite
Toxaphene	0.000010	--	0.000020	0.0000002	--	0.0000003	1/year	Discrete
Temperature	Report (°C)						2/month	Discrete
pH	Not Less than 6.5 standard units (S.U.) nor greater than 9.0 S.U.						5/week	Discrete
Whole Effluent Toxicity (WET)				See permit notes for limits				

Outfall 001: Salt River in the Middle Gila River Basin: Assessment Level Monitoring

Parameter	Assessment Levels		Monitoring Requirements	
	Monthly Average (ug/L)	Daily Maximum (ug/L)	Monitoring Frequency	Sample Type
Hydrogen Sulfide ^c	2	3	1/month	Discrete
Sulfides ^c	Report	Report	1/month	Discrete

Note(s):

^a Influent and effluent shall be monitored.

^b The ammonia limit is dependent on pH and temperature. The effluent must be tested for pH and temperature at the same time that the ammonia samples are taken. In addition to reporting the ammonia values on the DMRs, the ammonia data log shall also be completed including values of the effluent pH and temperature at the time the ammonia sample is taken. See Part II.B of the permit.

Table A3. AZPDES Aquifer Protection Permit No. P-100339 for City of Tolleson Wastewater Treatment Plant (WWTP)
Industrial Pretreatment Program: Local Limits Evaluation
Tolleson, AZ

Sampling Point Number	Sampling Point Identification				
1	Minor Line Influent Meter Station				
2	95th Avenue Influent Meter Station				
Parameter	Limits			Monitoring Requirements	
	Alert Level	Discharge Limit	Units	Sampling Frequency	Reporting Frequency
Influent flow sampling point #1: Daily	Reserved	Reserved	mgd	Daily	Quarterly
Influent flow sampling point #1: Average Monthly	Reserved	Reserved	mgd	Monthly	Quarterly
Influent Flow Sampling point #2: Daily	Reserved	Reserved	mgd	Daily	Quarterly
Influent flow sampling point #2: Average Monthly	Reserved	Reserved	mgd	Monthly	Quarterly
Effluent Flow Sampling point #3: Daily	Reserved	Reserved	mgd	Daily	Quarterly
Effluent flow sampling point #3: Average Monthly	Reserved	Reserved	mgd	Monthly	Quarterly
Total Flow: Daily	Reserved	Reserved	mgd	Daily	Quarterly
Total Flow: Average Monthly	16.50	17.5	mgd	Monthly	Quarterly
Sampling Point Number	Sampling Point Identification				
3	Point of Discharge to the Palo Verde Nuclear Generating Station or AZPDES sampling location				
Parameter	Limits			Monitoring Requirements	
	Alert Level	Discharge Limit	Units	Sampling Frequency	Reporting Frequency
E. Coli	Monitor	504	CFU or MPN	Weekly	Quarterly
Metals (Total)					
Antimony	0.0048	0.006	mg/L	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/L	Quarterly	Quarterly
Barium	1.60	2.00	mg/L	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/L	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/L	Quarterly	Quarterly
Chromium	0.08	0.1	mg/L	Quarterly	Quarterly
Cyanide, Free	0.16	0.2	mg/L	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/L	Quarterly	Quarterly
Lead	0.04	0.05	mg/L	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/L	Quarterly	Quarterly
Nickel	0.08	0.1	mg/L	Quarterly	Quarterly
Selenium	0.04	0.05	mg/L	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/L	Quarterly	Quarterly
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs)					
Benzene	0.004	0.005	mg/L	Quarterly	Quarterly
Carbon Tetrachloride	0.004	0.005	mg/L	Quarterly	Quarterly
1,2-Dichlorobenzene	0.48	0.60	mg/L	Quarterly	Quarterly
1,4-Dichlorobenzene	0.06	0.075	mg/L	Quarterly	Quarterly
1,2-Dichloroethane	0.004	0.005	mg/L	Quarterly	Quarterly
1,1-Dichloroethylene	0.0056	0.007	mg/L	Quarterly	Quarterly
cis-1,2-Dichloroethylene	0.056	0.07	mg/L	Quarterly	Quarterly
trans-1,2-Dichloroethylene	0.08	0.1	mg/L	Quarterly	Quarterly
Dichloromethane	0.004	0.005	mg/L	Quarterly	Quarterly
1,2-Dichloropropane	0.004	0.005	mg/L	Quarterly	Quarterly
Ethylbenzene	0.56	0.7	mg/L	Quarterly	Quarterly
Monochlorobenzene	0.08	0.1	mg/L	Quarterly	Quarterly
Styrene	0.08	0.1	mg/L	Quarterly	Quarterly
Tetrachloroethylene (PCE)	0.004	0.005	mg/L	Quarterly	Quarterly
Toluene	0.8	1.0	mg/L	Quarterly	Quarterly
Total Trihalomethanes, total	0.08	0.1	mg/L	Quarterly	Quarterly
1,1,1-Trichloroethane	0.16	0.2	mg/L	Quarterly	Quarterly
1,2,4-Trichlorobenzene	0.056	0.07	mg/L	Quarterly	Quarterly
1,1,2-Trichloroethane	0.004	0.005	mg/L	Quarterly	Quarterly
Trichloroethene (TCE)	0.004	0.005	mg/L	Quarterly	Quarterly
Vinyl chloride	0.0016	0.002	mg/L	Quarterly	Quarterly
Xylenes, total	8.0	10.0	mg/L	Quarterly	Quarterly
Indicator Paramaters					
pH (field)	Monitor	Monitor	S.U.	Quarterly	Quarterly
Iron	Monitor	Monitor	mg/L	Quarterly	Quarterly
Manganese	Monitor	Monitor	mg/L	Quarterly	Quarterly
Total Organic Carbon	Monitor	Monitor	mg/L	Quarterly	Quarterly
Total Dissolved Solids	Monitor	Monitor	mg/L	Quarterly	Quarterly
Sodium	Monitor	Monitor	mg/L	Quarterly	Quarterly
Potassium	Monitor	Monitor	mg/L	Quarterly	Quarterly

Calcium	Monitor	Monitor	mg/L	Quarterly	Quarterly
Magnesium	Monitor	Monitor	mg/L	Quarterly	Quarterly
Chloride	Monitor	Monitor	mg/L	Quarterly	Quarterly
Sulfate	Monitor	Monitor	mg/L	Quarterly	Quarterly
Alkalinity	Monitor	Monitor	mg/L	Quarterly	Quarterly
Specific Conductivity (field)	Monitor	Monitor	umhos/cm	Quarterly	Quarterly
Sampling Point Number	Sampling Point Identification				
4	The hose bibs transporting the effluent at onsite reuse location				
Parameter	Limits		Monitoring Requirements		
	Discharge Limit		Units	Sampling Frequency	Reporting Frequency
E. Coli	504		CFU or MPN	Daily	Quarterly
E. Coli: Four (4) of last seven (7) samples	126		CFU or MPN	Daily	Quarterly
Sampling Point Number	Sampling Point Identification				
5	POC Well #1				
Parameter	Limits		Monitoring Requirements		
	Alert Level	Aquifer Quality Limit	Units	Sampling Frequency	Reporting Frequency
Total Nitrogen	18.3	20.3	mg/L	Monthly	Quarterly
Nitrate-Nitrite as N	17.8	19.8	mg/L	Monthly	Quarterly
Total Kjeldahl Nitrogen (TKN)	Monitor	Monitor	mg/L	Monthly	Quarterly
Total Coliform	Absence	Absence	CFU or MPN	Monthly	Quarterly
Metals (Total)					
Antimony	0.0048	0.006	mg/L	Quarterly	Quarterly
Arsenic	0.04	0.05	mg/L	Quarterly	Quarterly
Asbestos (million fibers per liter)	5.6	7.0	mf/L		
Barium	1.60	2.00	mg/L	Quarterly	Quarterly
Beryllium	0.0032	0.004	mg/L	Quarterly	Quarterly
Cadmium	0.004	0.005	mg/L	Quarterly	Quarterly
Chromium	0.08	0.1	mg/L	Quarterly	Quarterly
Cyanide, Free	0.16	0.2	mg/L	Quarterly	Quarterly
Fluoride	3.2	4.0	mg/L	Quarterly	Quarterly
Lead	0.04	0.05	mg/L	Quarterly	Quarterly
Mercury	0.0016	0.002	mg/L	Quarterly	Quarterly
Nickel	0.08	0.1	mg/L	Quarterly	Quarterly
Selenium	0.04	0.05	mg/L	Quarterly	Quarterly
Thallium	0.0016	0.002	mg/L	Quarterly	Quarterly
Volatile and Semi-Volatile Organic Compounds (VOCs and SVOCs)					
Benzene	0.004	0.005	mg/L	Quarterly	Quarterly
Carbon Tetrachloride	0.004	0.005	mg/L	Quarterly	Quarterly
1,2-Dichlorobenzene	0.48	0.6	mg/L	Quarterly	Quarterly
1,4-Dichlorobenzene	0.06	0.075	mg/L	Quarterly	Quarterly
1,2-Dichloroethane	0.004	0.005	mg/L	Quarterly	Quarterly
1,1-Dichloroethylene	0.0056	0.007	mg/L	Quarterly	Quarterly
cis-1,2-Dichloroethylene	0.056	0.07	mg/L	Quarterly	Quarterly
trans-1,2-Dichloroethylene	0.08	0.1	mg/L	Quarterly	Quarterly
Dichloromethane	0.004	0.005	mg/L	Quarterly	Quarterly
1,2-Dichloropropane	0.004	0.005	mg/L	Quarterly	Quarterly
Ethylbenzene	0.56	0.7	mg/L	Quarterly	Quarterly
Hexachlorobenzene	0.0008	0.001	mg/L	Quarterly	Quarterly
Hexachlorocyclopentadiene	0.04	0.05	mg/L	Quarterly	Quarterly
Monochlorobenzene	0.08	0.1	mg/L	Quarterly	Quarterly
Styrene	0.08	0.1	mg/L	Quarterly	Quarterly
2, 3, 4-8-TCDD (Dioxin)	0.000000024	0.00000003	mg/L	Quarterly	Quarterly
Tetrachloroethylene (PCE)	0.004	0.005	mg/L	Quarterly	Quarterly
Toluene	0.8	1.0	mg/L	Quarterly	Quarterly
Total Trihalomethanes, total	0.08	0.1	mg/L	Quarterly	Quarterly
1,1,1-Trichloroethane	0.16	0.2	mg/L	Quarterly	Quarterly
1,2,4-Trichlorobenzene	0.056	0.07	mg/L	Quarterly	Quarterly
1,1,2-Trichloroethane	0.004	0.005	mg/L	Quarterly	Quarterly
Trichloroethene (TCE)	0.004	0.005	mg/L	Quarterly	Quarterly
Vinyl chloride	0.0016	0.002	mg/L	Quarterly	Quarterly
Xylenes, total	8.0	10.0	mg/L	Quarterly	Quarterly
Indicator Paramaters					
pH (field)	Monitor	Monitor	S.U.	Annually	Annually
Iron	Monitor	Monitor	mg/L	Annually	Annually
Manganese	Monitor	Monitor	mg/L	Annually	Annually
Total Organic Carbon	Monitor	Monitor	mg/L	Annually	Annually
Total Dissolved Solids	Monitor	Monitor	mg/L	Annually	Annually

Sodium	Monitor	Monitor	mg/L	Annually	Annually
Potassium	Monitor	Monitor	mg/L	Annually	Annually
Calcium	Monitor	Monitor	mg/L	Annually	Annually
Magnesium	Monitor	Monitor	mg/L	Annually	Annually
Chloride	Monitor	Monitor	mg/L	Annually	Annually
Sulfate	Monitor	Monitor	mg/L	Annually	Annually
Alkalinity	Monitor	Monitor	mg/L	Annually	Annually
Specific Conductivity (field)	Monitor	Monitor	umhos/cm	Annually	Annually

Source(s):
Arizona Department of Environmental Quality (ADEQ) Permit No. P-100339 Pages 17-24, Tables IA-II

Table A4. Biosolids Regulatory Limits for City of Tolleson Wastewater Treatment Plant (WWTP)
Industrial Pretreatment Program: Local Limits Evaluation
Tolleson, AZ

Toxicity Characteristic Leaching Procedure Test			
Pollutant	TCLP Limit mg/L	20 X TCLP Screening Value mg/kg	Minimal Monitoring Frequency per Generator
Metals/Nonmetal Inorganics			
Arsenic	5	100	1/year
Barium	100	2000	1/year
Cadmium	1	20	1/year
Chromium	5	100	1/year
Lead	5	100	1/year
Mercury	0.2	4	1/year
Selenium	1	20	1/year
Silver	5	100	1/year
Volatiles and Semi-Volatiles			
Benzene	0.5	10	1/year
Carbon tetrachloride	0.5	10	1/year
Chlorobenzene	100	2000	1/year
Chloroform	6	120	1/year
1,2-Dichloroethane	0.5	10	1/year
1,1-Dichloroethene	0.7	14	1/year
2-Butanone (MEK)	200	4000	1/year
Tetrachloroethene (PCE)	0.7	14	1/year
Trichloroethene (TCE)	0.5	10	1/year
Vinyl chloride	0.2	4	1/year
1,4-Dichlorobenzene	7.5	150	1/year
2-Methylphenol (o-cresol) ^a	200	4000	1/year
m-cresol ^a	200	4000	1/year
p-cresol ^a	200	4000	1/year
Cresol, total ^a	200	4000	1/year
2,4-Dinitrotoluene	0.13	2.6	1/year
Hexachlorobenzene	0.13	2.6	1/year
Hexachlorobutadiene	0.5	10	1/year
Hexachloroethane	3	60	1/year
Nitrobenzene	2	40	1/year
Pentachlorophenol	100	2000	1/year
Pyridine	5	100	1/year
2,4,5-Trichlorophenol	400	8000	1/year
2,4,6-Trichlorophenol	2	40	1/year
Herbicides/Pesticides			
2,4-D	10	200	1/year
Silvex (2,4,5-TP)	1	20	1/year
Chlordane (technical)	0.03	0.6	1/year
Endrin	0.02	0.4	1/year
Heptachlor	0.008	0.16	1/year
Heptachlor epoxide	0.008	0.16	1/year
BHC, gamma (Lindane)	0.44	8.8	1/year
Methoxychlor	10	200	1/year
Toxaphene	0.5	10	1/year
Metal Concentrations for Land Applications			
Pollutant	Ceiling Concentrations (mg/kg)	Monthly Average Pollutant Concentrations (mg/kg)	Minimum Monitoring Frequency per volume
Arsenic	75.0	41.0	1/quarter
Cadmium	85.0	39.0	1/quarter
Chromium	3000.0	N/A	1/quarter
Copper	4300.0	1500.0	1/quarter
Lead	840.0	300.0	1/quarter
Mercury	57.0	17.0	1/quarter
Molybdenum	75.0	N/A	1/quarter
Nickel	420.0	420.0	1/quarter
Selenium	100.0	100.0	1/quarter
Zinc	7500.0	2800.0	1/quarter

^aIf o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/L.

Source: Arizona Department of Environmental Quality (ADEQ) Permit No. AZ0020338, Pages 21-23, Tables 8&9

Table A5. Summary of Water Quality Standards for City of City of Tolleson Wastewater Treatment Plant (WWTP)
Industrial Pretreatment Program: Local Limits Evaluation
Tolleson, AZ

Pollutant	Numeric Water Quality Standards (WQS) ^{a, b}						Most Stringent WQS - ug/L
	Acute Aquatic and Wildlife effluent dependent water (A&Wedw) - ug/L	Chronic Aquatic and Wildlife effluent dependent water (A&Wedw) - ug/L	Partial Body Contact (PBC) - ug/L	Fish Consumption (FC) - ug/L	Agricultural Irrigation (AgI) - ug/L	Agricultural Livestock Watering (AgL) - ug/L	
Ammonia (as N) (mg/L) ^a	7513.3	2226.9	-	-	-	-	2226.9
Biochemical Oxygen Demand (BOD)	-	-	-	-	-	-	-
Suspended Solids, Total (TSS)	-	-	-	-	-	-	-
2,4,6-Trichlorophenol	160	25	130	2	-	-	2
Antimony	1,000 D	600 D	747 T	640 T	-	-	600
Arsenic	340 D	150 D	280 T	80 T	2,000 T	200 T	80
Barium	-	-	98,000 T	-	-	-	98000
Beryllium	65 D	5.3 D	1,867 T	84 T	-	-	5.3
Bis (2-ethylhexyl) phthalate	400	360	18667	3	-	-	3
Boron	-	-	186,667 T	-	1,000 T	-	1000
Cadmium	25.9	1.6	700 T	84 T	50	50	1.6
Chromium	-	-	-	-	1000	1000	1000
cis-1,2-Dichloroethylene	-	-	70	-	-	-	70
Copper	37.3	22.6	1,300 T	-	5,000 T	500 T	22.6
Cyanide	41 T	9.7 T	18,667 T	16,000 T	-	200 T	9.7
Fluoride	-	-	140000	-	-	-	140000
Iron	-	1,000 D	-	-	-	-	1000
Lead	205.7	8.0	15 T	-	10,000T	100 T	8.0
Mercury	2.4 D	0.01 D	280 T	-	-	10 T	0.01
Molybdenum	-	-	-	-	-	-	-
Nickel	1172.7	130.2	28,000 T	511 T	-	-	130.2
Oil and Grease	-	-	-	-	-	-	-
p-Chloro-m-cresol	15	4.7	-	-	-	-	4.7
Selenium	-	2 T	4,667 T	667 T	20 T	50 T	2
Silver	20.8	-	4,667 T	8,000 T	-	-	20.8
Styrene	5600	370	186,667	-	-	-	370
Thallium	700 D	150 D	75 T	7.2 T	-	-	7.2
Xylenes (total)	-	-	186,667	-	-	-	186667
Zinc	293.9	293.9	280,000 T	5,106 T	10,000T	25,000T	293.9

^aAcute and chronic A&Wedw WQS for ammonia were calculated using the equations from Table 15 and 16 in AAC 18.11 using daily temperature and pH values from October 2022-September 2023. The minimum calculated WQS were used.

^bAcute and chronic A&Wedw for hardness-dependent parameters were calculated using the equations in Tables 2-9 in AAC 18.11. An average hardness value of 296 mg/L was used to be consistent with AZPDES permit AZ0020338 fact sheet.

Source: Arizona Department of Environmental Quality, *Arizona Administrative Code, Title 18, Chapter 11 - Water Quality Standards*

Appendix B: Literature Data



Table B1. Primary Treatment Removal Efficiencies^a - Literature Values Industrial Pretreatment Program: Local Limits Evaluation City of Tolleson, Arizona		
Pollutant	Median (%)	No. of POTWs with Removal Data ^b
Metal/Nonmetal Inorganics		
Cadmium	15	6 of 40
Chromium	27	12 of 40
Copper	22	12 of 40
Cyanide	27	12 of 40
Lead	57	1 of 40
Mercury	10	8 of 40
Nickel	14	9 of 40
Silver	20	4 of 40
Zinc	27	12 of 40
Organics		
1,1,1-Trichloroethane	40	10 of 40
trans-1,2-Dichloroethene	36	9 of 40
Benzene	25	8 of 40
Benzyl butyl phthalate	62	4 of 40
Chloroform	14	11 of 40
Diethyl phthalate	56	1 of 40
di-n-Butyl phthalate	36	3 of 40
Ethylbenzene	13	12 of 40
Naphthalene	44	4 of 40
Phenol	8	11 of 40
Tetrachloroethene (PCE)	4	12 of 40
Trichloroethene (TCE)	20	12 of 40

^a Pollutant removals between POTW influent and primary effluent. From *Fate of Priority Pollutants in Publicly Owned Treatment Works*, Volume I (EPA 440/1-82/303), USEPA, Washington, DC, September 1982, page 61.

^b Median removal efficiencies from a database of removal efficiencies for 40 POTWs. Only POTWs with average influent concentrations exceeding three times each pollutant's detection limit were considered.

USEPA. *EPA Guidance Manual - Local Discharge Limitations Under the Pretreatment Program*, Page 3-55, Table 3-9.

USEPA. *EPA Guidance Manual - Local Limits Development Guidance*, Appendix R. Page R-1. July 2004.

Table B2. Removal Efficiencies Through Trickling Filter Treatment^a - Literature Values Industrial Pretreatment Program: Local Limits Evaluation City of Tolleson, Arizona					
Pollutant	Range (%)	Second Decile (%)	Median (%)	Eighth Decile (%)	No. of POTWs with Removal Data
Metal/Nonmetal Inorganics^b					
Cadmium	33-96	33	68	93	6 of 11
Chromium	5-92	34	55	71	9 of 11
Copper	12-97	32	61	89	9 of 11
Cyanide	7-88	33	59	79	8 of 11
Lead	4-84	25	55	70	6 of 11
Mercury	14-80	33	50	62	9 of 11
Nickel	7-72	11	29	57	9 of 11
Silver	11-93	38	66	86	8 of 11
Zinc	14-90	34	67	81	9 of 11
Organics^b					
Benzene	5-98	50	75	93	7 of 11
Chloroform	21-94	50	73	84	9 of 11
1,2-trans-Dichloroethylene	14-99	50	50	96	7 of 11
Ethylbenzene	45-97	50	80	91	10 of 11
Methylene chloride	5-98	28	70	85	10 of 11
Naphthalene	33-93	40	71	87	6 of 11
Phenol	50-99	75	84	96	8 of 11
Bis (2-ethylhexyl) phthalate	4-98	21	58	81	10 of 11
Butyl benzyl phthalate	25-90	37	60	77	9 of 11
Di-n-butyl phthalate	29-97	41	60	82	10 of 11
Diethyl phthalate	17-75	40	57	67	8 of 11
Tetrachloroethylene	26-99	53	80	93	10 of 11
Toluene	17-99	80	93	97	10 of 11
1,1,1-Trichloroethane	23-99	75	89	97	10 of 11
Trichloroethylene	50-99	67	94	98	10 of 11

^a Pollutant removals between POTW influent and secondary effluent (including secondary clarification). Based on a computer analysis of POTW removal efficiency data, (derived from actual POTW influent and effluent sampling data) provided in the *Fate of Priority Pollutants in Publicly Owned Treatment Works*, Volume II (EPA 440/1-82/303), USEPA, Washington, DC, September 1982.

^b For the purpose of deriving removal efficiencies, effluent levels reported as below the detection were set equal to the reported detection limits. All secondary trickling filter plants sampled as part of the study were considered.

USEPA. *EPA Guidance Manual - Local Limits Development Guidance*, Appendix R. Page R-3. July 2004.

Table B3. Trickling Filter Inhibition Threshold Levels - Literature Values Industrial Pretreatment Program: Local Limits Evaluation City of Tolleson, Arizona		
Pollutant	Reported Range of Trickling Filter Inhibition Threshold Level (mg/L)	Median of Range used for Calculation
Chromium (III)	3.5 - 67.6	35.55
Cyanide	30	30

USEPA. *EPA Guidance Manual - Local Limits Development Guidance* , Appendix G. Page G-2. July 2004.

Table B4. Nitrification Inhibition Threshold Levels^a - Literature Values Industrial Pretreatment Program: Local Limits Evaluation City of Tolleson, Arizona				
Pollutant	Minimum Reported Inhibition Threshold (mg/L)	Reported Range of Inhibition Threshold Level (mg/L)	Laboratory, Pilot, or Full-Scale	Median of Range used for Calculation
Metal/Nonmetal Inorganics				
Arsenic	--	1.5	Unknown	1.5
Cadmium	5.2	5.2	Lab	5.2
Chloride	--	180	Unknown	180
Chromium, Hexavalent	1	1-10	As CrO ₄ ²⁻ ; Unknown	5.5
Chromium	0.25	0.25-1.9	Unknown ^b	50.5
	--	1-100 (trickling filter)	Unknown	
Copper	0.05	0.05-0.48	Unknown	0.265
Cyanide	0.34	0.34-0.5	Unknown	0.42
Lead	0.5	0.5	Unknown	0.5
Nickel	0.25	0.25-0.5	Unknown ^b	0.375
	--	5	Pilot	
Zinc	0.08	0.08-0.5	Unknown	0.29
Organics				
Chloroform	10	10	Unknown	10
2,4-Dichlorophenol	64	64	Unknown	64
2,4-Dinitrophenol	150	150	Unknown	150
Phenol	4	4	Unknown ^b	7
	--	4-10	Unknown	

^a References/sources did not distinguish between total or dissolved pollutant levels.

^b Multiple rows per pollutant indicate values from multiple references/sources values.

USEPA. *EPA Guidance Manual - Local Discharge Limitations Under the Pretreatment Program*, Page 3-47, Table 3-4.

USEPA. *EPA Guidance Manual - Local Limits Development Guidance*, Appendix G. Page G-2. July 2004.

Table B5. Anaerobic Digestion Inhibition Threshold Levels^a - Literature Values Industrial Pretreatment Program: Local Limits Evaluation City of Tolleson, Arizona		
Pollutant	Reported Range of Anaerobic Digestion Inhibition Threshold Levels, mg/L	Median of Range used for Calculation
Metal/Nonmetal Inorganics		
Ammonia (as N)	1500 - 8000	4750
Arsenic	1.6	1.6
Cadmium	20	20.0
Chromium (III)	130	130.0
Chromium (VI)	110	110.0
Copper	40	40.0
Cyanide	4 - 100 1 - 4	50.5
Lead	340	340
Nickel	10 136	73
Silver	13 - 65 ^b	39
Sulfate	500 - 1000	750
Sulfide	50 - 100	75
Zinc	400	400
Organics		
Acrylonitrile	5 5	5
Carbon Tetrachloride	2.9 - 159.4 10 - 20 2.0	80.7
Chlorobenzene	0.96 - 3 0.96	1.98
Chloroform	1 5 - 16 10 - 16	8.5
1,2-Dichlorobenzene	0.23 - 3.8 0.23	2.015
1,4-Dichlorobenzene	1.4 - 5.3 1.4	3.35
Methyl chloride	3.3 - 536.4 100	269.85
Pentachlorophenol	0.2 0.2 - 1.8	1
Tetrachloroethylene	20	20
Trichloroethylene	1 - 20 20 20	10.5
Trichlorofluoromethane	-	-

^aTotal pollutant inhibition levels, unless otherwise indicated.

^bDissolved metal inhibition levels.

USEPA. *EPA Guidance Manual - Local Limits Development Guidance*, Appendix G. Page G-2. July 2004.

Table B6. Domestic/Commercial Pollutant Loading - Literature Values Industrial Pretreatment Program: Local Limits Evaluation City of Tolleson, Arizona					
Pollutant	USEPA Literature Values ^a				
	Number of Detections	Number of Samples	Minimum Concentration (mg/L)	Maximum Concentration (mg/L)	Average Concentration (mg/L)
Metal/Nonmetal Inorganics					
Arsenic	140	205	0.0004	0.088	0.007
Barium	3	3	0.04	0.216	0.115
Boron	4	4	0.1	0.42	0.3
Cadmium	361	538	0.00076	0.11	0.008
Chromium, Trivalent	1	2	<0.005	0.007	0.006
Chromium, Hexavalent	-	-	-	-	-
Chromium	311	522	<0.001	1.2	0.034
Copper	603	607	0.005	0.74	0.14
Cyanide	7	7	0.01	0.37	0.082
Fluoride	2	2	0.24	0.27	0.255
Iron	18	18	0.0002	3.4	0.989
Lead	433	540	0.001	2.04	0.058
Lithium	2	2	0.03	0.031	0.031
Manganese	3	3	0.04	0.161	0.087
Mercury	218	235	<0.0001	0.054	0.002
Molybdenum	-	-	-	-	-
Nickel	313	540	<0.001	1.6	0.047
Total Phosphate as P	2	2	27.4	30.2	28.8
Phosphorus, Total	1	1	0.7	0.7	0.7
Silver	181	224	0.0007	1.052	0.019
Zinc	636	638	0.01	1.28	0.231
Organics					
Chloroform	21	30	<0.002	0.069	0.009
1,1-Dichloroethene	2	29	0.005	0.008	0.007
1,1-Dichloroethane	1	28	0.026	0.026	0.026
Trans-1,2-Dichloroethene	1	28	0.013	0.013	0.013
Fluoranthene	2	5	0.00001	<0.001	0.001
Methylene Chloride	7	30	0.00008	0.055	0.027
Phenols	2	2	0.00002	0.00003	0.000025
Bis(2-ethylhexyl)Phthalate	5	5	0.00002	0.022	0.006
Pyrene	2	3	0.00001	<0.005	0.0002
Tetrachloroethene (PCE)	5	29	0.00001	0.037	0.014
Toluene	-	-	-	-	-
1,2,4-Trichlorobenzene	1	3	<0.002	0.035	0.013
Pesticides					
BHC	3	3	0.001	0.001	0.001
4,4-DDD	3	3	0.00026	0.0004	0.0003
Endosulfan	3	3	0.002	0.002	0.002

^a Pollutant levels reported below specified detection limit were considered in the data analysis and, for the purpose of statistical analysis, were considered equal to the detection limit.

USEPA. *EPA Guidance Manual - Local Limits Development Guidance*, Appendix V. Page V-1. July 2004.

USEPA. *EPA Supplemental Manual on the Development and Implementation of Local Discharge Limitations Under the Pretreatment Programs*, Page I-9. Table 2. May 1991

Table B7. Screening Levels for WRP Worker Protection
Industrial Pretreatment Program: Local Limits Evaluation
City of Tolleson, Arizona

Pollutant	Discharge Screening Levels ^a		Secondary Discharge Screening Levels		Most Stringent Screening Level for Worker Protection (mg/L)
	Based on Fume Toxicity (mg/L)	Based on Explosivity (mg/L)	Gas/Vapor Toxicity Screening Level ^b (mg/L)	Explosivity Screening Level ^c (mg/L)	
Acrolein	0.047	13,163	-----	-----	0.047
Acrylonitrile	4.822	14,586	1.19	1794	1.19
Aldrin	-----	-----	0.38	-----	0.38
Aroclor 1242	-----	-----	0.01	-----	0.01
Aroclor 1254	-----	-----	0.005	-----	0.005
Benzene	0.014	169	0.13	20	0.014
Bis(2-chloromethyl)Ether	-----	-----	0.0005	-----	0.0005
Bromoform	0.227	-----	0.24	-----	0.227
Carbon Disulfide	-----	-----	0.06	6.3	0.06
Carbon Tetrachloride	0.011	-----	0.03	-----	0.011
Chlordane	-----	-----	1.27	-----	1.27
Chlorobenzene	2.290	395	2.31	40	2.290
Chloroethane	5.880	222	5.73	1.6	1.6
Chloroform	0.060	-----	0.41	-----	0.060
1,2-Dichlorobenzene	-----	-----	3.75	165	3.750
1,4-Dichlorobenzene	-----	-----	3.55	104	3.55
Dichlorodifluoromethane	-----	-----	0.04	-----	0.04
1,1-Dichloroethane	1.685	909	4.58	128	1.685
1,2-Dichloroethane	0.168	5,221	1.05	660	0.17
1,1-Dichloroethene	0.016	215	0.003	3.3	0.003
trans-1,2-Dichloroethene	2.040	571	0.28	14	0.28
1,2-Dichloropropane	4.289	1,326	3.62	164	3.62
1,3-Dichloropropene, total	-----	-----	0.08	435	0.08
Dieldrin	-----	-----	13	-----	13
Diethyl phthalate	-----	-----	107	-----	107
4,6-Dinitro-2-methylphenol	-----	-----	10.78	-----	10.78
2,4-Dinitrotoluene	-----	-----	7.21	-----	7.21
Endrin	-----	-----	4.9	-----	4.9
Ethylbenzene	1.659	106	1.59	16	1.59
Formaldehyde	-----	-----	0.06	412	0.06
Heptachlor	-----	-----	0.003	-----	0.003
Hexachlorobutadiene	-----	-----	0.0002	-----	0.0002
Hexachlorocyclopentadiene	-----	-----	658	-----	658
Hexachloroethane	-----	-----	0.093	-----	0.093
Hydrogen Cyanide	1.149	13,529	-----	-----	1.149
Un-ionized Hydrogen Sulfide	0.034	96	-----	-----	0.034
Bromomethane	0.305	1,521	0.002	4.7	0.002
Chloromethane	0.557	450	0.29	1.1	0.29
2-Butanone (MEK)	-----	-----	249	2486	249
Methylene chloride	4.139	4,307	2.06	494	2.06
Napthalene	-----	-----	2.65	240	2.65
Nitrobenzene	-----	-----	9.41	17046	9.41
Pentachlorophenol	-----	-----	4.37	-----	4.37
Phenol	-----	-----	1,024	-----	1024
1,1,2,2-Tetrachloroethane	1.847	-----	0.44	-----	0.44
Tetrachloroethene (PCE)	-----	-----	0.53	-----	0.53
Toluene	2.075	152	1.36	17	1.36
Toxaphene	-----	-----	0.003	-----	0.003
1,2,4-Trichlorobenzene	-----	-----	0.39	197	0.39
1,1,1-Trichloroethane	2.759	591	1.55	33	1.55
1,1,2-Trichloroethane	1.601	9,611	1.15	-----	1.15
Trichloroethene (TCE)	0.026	1,029	0.71	114	0.026
Trichlorofluoromethane	-----	-----	1.23	-----	1.23
Vinyl Chloride	0.012	88	0.004	2.2	0.004

^a USEPA. *EPA Guidance Manual - Local Limits Development Guidance*, Appendix I. Page I-1. July 2004.

^b Gas/Vapor Toxicity Screening Levels from Tables 4-2 and/or B-1 of USEPA's *Guidance to Protect POTW Workers from Toxic and Reactive Gases and Vapors* (EPA 812-B-92-001), June 1992.

^c Explosivity Screening Levels from Table 4-2 of USEPA's *Guidance to Protect POTW Workers from Toxic and Reactive Gases and Vapors* (EPA 812-B-92-001), June 1992.

----- indicates no value reported

Appendix C: Ammonia WQS Calculations and BOD Loading Analysis



Table C1. Ammonia Water Quality Standard Calculations
Industrial Pretreatment Program: Local Limits Evaluation
City of Tolleson, AZ

Month	pH	Temperature (degrees Celsius)	Acute Ammonia WQS - Calculated (mg/l)	Chronic Ammonia WQS - Calculated (mg/l)
Oct-22	7.16	24.4	26.76047212	4.978569437
Oct-22	7.28	24.5	23.10276285	4.621003602
Oct-22	7.33	23.1	24.35631287	4.895196272
Oct-22	7.46	21.6	22.00685312	4.890891732
Oct-22	7.78	21.1	13.11683354	3.648396359
Oct-22	7.2	22.2	30.72636182	5.617108679
Oct-22	7.33	22	26.31411291	5.254968408
Oct-22	7.29	23.4	24.99672914	4.929395586
Oct-22	7.21	24.6	24.8986331	4.785350441
Oct-22	7.28	21.9	28.03116255	5.464322298
Oct-22	7.31	22.7	25.83192182	5.090650838
Oct-22	7.35	24.6	20.95315485	4.383095294
Oct-22			60.91184485	
Oct-22	7.22	23.4	27.18841761	5.14130404
Oct-22	7.06	24.4	29.61721112	5.216952741
Oct-22	7.3	24.7	22.16396163	4.5040805
Oct-22	7.17	23.5	28.52214026	5.248876904
Oct-22	7.12	21.2	33.58601008	6.241248781
Oct-22	7.03	22.1	36.64883434	6.126611551
Oct-22	7.08	24.5	28.81228333	5.138590334
Oct-22	7.32	24.7	21.60784048	4.445235408
Oct-22	7.02	22.4	36.27609112	6.033303249
Oct-22	7.15	23.8	28.42820657	5.201201702
Oct-22	7.06	20.9	35.63865871	6.537578287
Oct-22	7.23	22.8	28.24466795	5.313626086
Oct-22	7.19	22.8	29.56587919	5.433391312
Oct-22	7.13	21.3	33.24071168	6.171442449
Oct-22	7.11	23.1	31.40607173	5.547779004
Oct-22	7.02	23.3	33.66824541	5.69318314
Oct-22	7.03	23	34.20447874	5.781231301
Oct-22	6.9	22.5	39.73176582	6.254329526
Nov-22	7.81		12.43812858	
Nov-22	7	23.2	34.55681728	5.774682475
Nov-22	7.03	26.4	25.80375896	4.643231589
Nov-22	6.97	21.8	38.62604988	6.390766258
Nov-22	6.92	20.6	40.22050125	7.024244272
Nov-22	7.1	21.4	34.2742215	6.21913718
Nov-22	7.03	21.4	36.64883434	6.409443823
Nov-22	7.08	22.6	33.72699722	5.80823254
Nov-22	6.99	22.7	36.33373033	5.986420191
Nov-22	7.02	21.8	36.98261988	6.271265026
Nov-22	7.09	23.3	31.51459408	5.527196752
Nov-22	7.05	21.4	35.976774	6.356992443
Nov-22	7.1	22.6	33.06666606	5.756123939
Nov-22	7.07	22.1	35.29926205	6.024872057
Nov-22	0	0	60.91184485	
Nov-22	7.12	20	33.58601008	6.743284675

Nov-22	7.06	22.1	35.63865871	6.050857184
Nov-22	7.25	23.2	26.68542954	5.117985881
Nov-22	7	20.6	37.6453142	6.828543955
Nov-22	7.09	23.8	30.23512146	5.351862222
Nov-22	7.06	23.5	31.91127533	5.528622063
Nov-22	7.07	22.6	34.0555922	5.833750199
Nov-22	7.1	21.5	34.2742215	6.179169898
Nov-22	7.25	21.4	29.07042542	5.747766059
Nov-22	7.03	20.4	36.64883434	6.836287921
Nov-22	6.56	20.6	49.72284443	7.635731046
Nov-22	6.81	20.5	43.51887608	7.301553988
Nov-22	6.92	20.7	40.22050125	6.979102971
Nov-22	7.09	22.7	33.12163123	5.745196993
Nov-22	7.22	22	30.11349213	5.626952996
Dec-22	7.04	20.7	36.31352603	6.678096401
Dec-22	7.35	22.3	25.35417144	5.083711693
Dec-22	7.41	20.1	23.62978258	5.606190055
Dec-22	7.07	22.3	34.91310196	5.94768321
Dec-22	7.11	21.7	33.93054284	6.071823694
Dec-22	7.27	21.3	28.37700922	5.715239957
Dec-22	7.29	21.7	27.68601016	5.500392381
Dec-22	7.25	21.8	29.07042542	5.601432198
Dec-22	7.33	20	26.31411291	5.978195447
Dec-22	7.06	19.4	35.63865871	7.201399472
Dec-22	6.94	20.8	39.58913092	6.888226049
Dec-22	7.19	20.4	31.15788626	6.342653463
Dec-22	7.29	19.6	27.68601016	6.297869712
Dec-22	7.24	19.5	29.41781345	6.535313187
Dec-22	7.22	19.7	30.11349213	6.52639398
Dec-22	7.16	21.2	32.20111877	6.119339786
Dec-22	7.12	19.3	33.58601008	7.054585384
Dec-22	7.06	18.6	35.63865871	7.582578281
Dec-22	7.05	20.7	35.976774	6.650460145
Dec-22	7.15	18.1	32.54817574	7.511102628
Dec-22	7.09	20.1	34.61695848	6.793677464
Dec-22	7.02	21	36.98261988	6.603210689
Dec-22	7.25	19.7	29.07042542	6.413558841
Dec-22	7.24	22.7	28.14707044	5.316996871
Dec-22	6.93	23	37.24433316	5.997463382
Dec-22	6.94	20.1	39.58913092	7.206217912
Dec-22	7.06	21.6	35.63865871	6.249091771
Dec-22	6.89	19.9	41.1503263	7.418751074
Dec-22	7	22	37.6453142	6.239188535
Dec-22	6.91	19.7	40.53279752	7.467991971
Jan-23	7.04	21.5	36.31352603	6.342386207
Jan-23	7.13	20.4	33.24071168	6.540134553
Jan-23	7.06	19.1	35.63865871	7.342042642
Jan-23	7.19	20	31.15788626	6.508351259
Jan-23	6.9	20.8	40.84275758	6.978800114
Jan-23	6.85	19.5	42.35565957	7.703194981
Jan-23	6.67	18.5	47.22734194	8.575808404
Jan-23	7.14	18.5	32.8947369	7.356381485

Jan-23	6.86	17.3	42.05816498	8.851645587
Jan-23	6.99	20.2	37.97407276	7.033430445
Jan-23	7.09	21.1	34.61695848	6.369493877
Jan-23	7	19.4	37.6453142	7.377820916
Jan-23	6.95	21.3	39.27017738	6.646890301
Jan-23	7.08	21.2	34.95866718	6.356879742
Jan-23	7.05	21.2	35.976774	6.439493293
Jan-23	7.06	19.3	35.63865871	7.247978603
Jan-23	7.11	22.7	32.46486627	5.692711208
Jan-23	7.04	18.9	36.31352603	7.499851841
Jan-23	7.07	19.9	35.29926205	6.943010607
Jan-23	7.2	18.5	30.80976103	7.130382483
Jan-23	7.19	19.4	31.15788626	6.765049582
Jan-23	6.91	16.5	40.53279752	9.179179072
Jan-23	6.95	18.5	39.27017738	7.961932866
Jan-23	7.07	15.2	35.29926205	9.400432358
Jan-23	6.94	16.1	39.58913092	9.326257254
Jan-23	6.82	16.2	43.23216642	9.608704391
Jan-23	6.85	16.9	42.35565957	9.109003957
Jan-23	6.83	17.3	42.94270147	8.926698821
Jan-23	6.96	18.4	38.94912863	7.985470535
Jan-23	6.89	19.2	41.1503263	7.761234387
Jan-23	6.95	19.2	39.27017738	7.610593245
Feb-23	6.99	19.4	37.97407276	7.405718449
Feb-23	7.02	20.4	36.98261988	6.863650399
Feb-23	6.84	20.6	42.65051915	7.196031235
Feb-23	6.71	20.4	46.22762242	7.525155041
Feb-23	7.14	21.4	32.8947369	6.101888151
Feb-23	7.39	21.1	24.29180347	5.336205816
Feb-23	7.13	20.4	33.24071168	6.540134553
Feb-23	7.12	21.5	33.58601008	6.121692269
Feb-23	7.05	21.7	35.976774	6.235218761
Feb-23	6.96	22	38.94912863	6.331411075
Feb-23	7.04	20.8	36.31352603	6.635179619
Feb-23	7.1	23	31.98824469	5.609577293
Feb-23	7.7	23.1	13.941577	3.519270077
Feb-23	7.02	21.4	36.98261988	6.435097843
Feb-23	7.11	19.8	33.93054284	6.863081442
Feb-23	7.16	17.2	32.20111877	7.919624103
Feb-23			60.91184485	
Feb-23			60.91184485	
Feb-23	7.1	21.8	34.2742215	6.06080256
Feb-23	7.21	25.2	23.69056976	4.603771367
Feb-23	7.09	23.4	31.25443969	5.491676225
Feb-23	6.93	23	37.24433316	5.997463382
Feb-23	7.02	19.7	36.98261988	7.180507738
Feb-23	6.82	21.3	43.23216642	6.916156829
Feb-23	6.89	21.2	41.1503263	6.822299784
Feb-23	7.15	23.4	29.38660819	5.337079795
Feb-23	7.07	22	35.29926205	6.06384133
Feb-23	7.1	20.3	34.2742215	6.676212267
Mar-23	6.97	21.8	38.62604988	6.390766258

Mar-23	6.98	19.1	38.30100826	7.578361474
Mar-23	7.09	16.6	34.61695848	8.513436959
Mar-23	7.04	19.8	36.31352603	7.077056845
Mar-23	7.07	21.4	35.29926205	6.30300757
Mar-23	7.2	21	30.80976103	6.068939758
Mar-23	7.02	21.5	36.98261988	6.393742691
Mar-23	6.99	21.4	37.97407276	6.50979327
Mar-23	7.06	21.4	35.63865871	6.330192289
Mar-23	6.99	22.9	35.73633318	5.909723978
Mar-23	6.95	23.9	34.01619037	5.621063757
Mar-23	6.91	23.3	36.90025689	5.921119722
Mar-23	6.96	23.1	36.051269	5.897942192
Mar-23	6.98	24.3	32.09467758	5.419700862
Mar-23	7	23.6	33.42979679	5.627663343
Mar-23	7.01		37.31480515	
Mar-23	6.95	23.8	34.2993329	5.657421171
Mar-23	6.91	23.9	35.1098836	5.696444132
Mar-23	7.01	22.8	35.40821132	5.902793429
Mar-23	6.98	22.7	36.6465434	6.008627989
Mar-23	6.97	23.4	34.87410793	5.764384391
Mar-23	6.9	21.6	40.84275758	6.627973441
Mar-23	7.03	20.7	36.64883434	6.705332919
Mar-23	6.88	22.8	39.33729125	6.17240479
Mar-23	6.87	20.3	41.75807982	7.273643231
Mar-23	6.92	21.9	40.22050125	6.459510463
Mar-23	6.92	22.6	38.80344543	6.174468879
Mar-23	6.83	21.6	42.94270147	6.765359548
Mar-23	6.76	22.1	44.90991883	6.668519822
Mar-23	6.69	23	43.61661899	6.390464103
Mar-23	6.81	22.5	42.33508939	6.418230363
Apr-23	6.5	24.2	43.03106763	6.107390844
Apr-23	6.7	25.3	35.85162487	5.498362701
Apr-23	6.63	24.7	39.05448258	5.793599366
Apr-23	6.88	23.4	37.42867484	5.938194243
Apr-23	6.89	21.1	41.1503263	6.866426872
Apr-23	6.88	23.1	38.37111783	6.054167044
Apr-23	6.66	24.3	39.77759002	5.911795599
Apr-23	6.8	24.9	34.92405236	5.51242498
Apr-23	6.45	26.9	35.02539838	5.165010648
Apr-23	6.61	25.3	37.51190609	5.593510133
Apr-23	6.95	27	26.30786917	4.602761919
Apr-23	7.14	26.8	22.40522077	4.307886403
Apr-23	7.08	27.1	23.22617409	4.345542439
Apr-23	6.98	25.5	29.05581202	5.016205459
Apr-23	7.02	25.6	27.82405891	4.908571874
Apr-23	7.05	24.2	30.39800124	5.307031864
Apr-23	7	23.4	33.98863603	5.700698982
Apr-23	7.12	25.5	25.47893227	4.730112764
Apr-23	7.12	24.1	28.6141747	5.176920482
Apr-23	7.16	22.5	31.32519413	5.627358309
Apr-23	7.31	23.4	24.37567875	4.866013509
Apr-23	7.07	24.9	28.14416944	5.029766555

Apr-23	6.97	24.6	31.57207366	5.335227384
Apr-23	6.96	25	30.79786114	5.217957189
Apr-23	6.98	24.3	32.09467758	5.419700862
Apr-23	6.9	23.6	36.26919087	5.826137896
Apr-23	7.01	24.1	31.79098532	5.428221804
Apr-23	6.89	24.8	33.08233032	5.409172098
Apr-23	7.04	24.1	30.93792849	5.363554328
Apr-23	6.88	24.3	34.73797124	5.603435789
May-23	7	23.3	34.2715492	5.737571482
May-23	6.86	23.5	37.65937695	5.935045008
May-23	7.04	23.3	33.05911561	5.647453764
May-23	6.87	23.2	38.33216337	6.033259359
May-23	6.96	23.7	34.30208798	5.674146068
May-23	7.09	24.8	27.8299046	5.017702686
May-23	7.1	24.8	27.55436516	4.994938397
May-23	7.21	21.3	30.4615989	5.919891507
May-23	7.24	24.8	23.6501119	4.643724056
May-23	7.92	21.4	10.18448046	2.988127067
May-23			60.91184485	
May-23			60.91184485	
May-23	7.11	24.4	28.19769562	5.101749758
May-23	7.07	23.6	31.34645526	5.469502545
May-23	7.1	24.1	29.20050817	5.225527486
May-23			60.91184485	
May-23	7.16	22.9	30.30356835	5.484089941
May-23			60.91184485	
May-23	7.16	23.5	28.83326152	5.27599735
May-23	7.03	24.3	30.71022344	5.316433004
May-23	7.05	25.4	27.51978448	4.911924641
May-23	6.98	24.3	32.09467758	5.419700862
May-23	7.02	24.3	30.98992207	5.337712211
May-23	6.95	24.4	32.63515452	5.442751565
May-23	7.05	25.1	28.21272453	5.007854419
May-23	7.01	23.5	33.41211662	5.642318337
May-23	6.87	23.9	36.17123444	5.767027141
May-23	7.11	22.8	32.19686734	5.656127003
May-23	7.02	23.7	32.57020441	5.548238921
May-23	7.25	21.7	29.07042542	5.637662634
May-23	7.76	25.4	10.39139076	2.832034506
Jun-23	6.79	25.2	34.28488581	5.42060059
Jun-23	6.91	22.3	40.0893846	6.315443329
Jun-23	6.94	21.7	39.58913092	6.499910711
Jun-23	6.93	25.2	31.03560408	5.204363293
Jun-23	6.84	25.1	33.44622694	5.383851095
Jun-23	6.84	23.4	38.50766033	6.007489768
Jun-23	6.72	23.2	42.19860354	6.26871098
Jun-23	6.88	23.5	37.11969946	5.900032441
Jun-23	6.91	24.1	34.53260887	5.623463005
Jun-23	6.84	23.3	38.82818876	6.046346611
Jun-23	6.66	27	31.80083089	4.96728879
Jun-23	6.61	25.3	37.51190609	5.593510133
Jun-23	6.91	24.9	32.31687732	5.340769593

Jun-23	6.89	25.8	30.45061677	5.071434248
Jun-23	6.86	24.3	35.24302116	5.636688262
Jun-23	6.96	25.8	28.82176391	4.955648693
Jun-23	6.83	25.2	33.39736263	5.3640261
Jun-23	6.88	25.1	32.50906293	5.321749152
Jun-23	6.94	24.8	31.82722529	5.322398534
Jun-23	7.08	24.4	29.0521098	5.171827077
Jun-23	7.06	25.8	26.37206643	4.766689933
Jun-23	7.46	23.5	19.70519583	4.327011497
Jun-23	7.09	26.4	24.37315316	4.525899693
Jun-23	7.45	25.3	17.22117083	3.884582455
Jun-23	7.2	24.6	25.18321309	4.811858266
Jun-23	7.03	25.3	28.26721202	4.984485597
Jun-23	6.95	25.2	30.54117021	5.169142579
Jun-23	7.11	25.1	26.60808494	4.876622663
Jun-23	7.24	24.6	24.0454661	4.703990162
Jun-23	7.32	23.7	23.47531157	4.741270844
Jul-23	7.27	28.3	17.06826715	3.639439206
Jul-23	7.21	29.5	16.5872926	3.489102657
Jul-23	7.29	29.1	15.58415232	3.413450991
Jul-23	7.45	23.7	19.66358386	4.306697263
Jul-23	7.46	25.9	16.150306	3.706705215
Jul-23	7.47	25	17.14939678	3.895660069
Jul-23	7.3	26.1	19.73546618	4.115344003
Jul-23	7.25	25.9	21.33409368	4.300303261
Jul-23	7.22	27	20.17362446	4.076367096
Jul-23	7.33	26.8	17.92303464	3.856293758
Jul-23	7.38	26.4	17.33819573	3.819810301
Jul-23	7.35	27.5	16.47591044	3.635640334
Jul-23	7.27	26.9	19.16855749	3.983221608
Jul-23	7.2	27.8	19.31573063	3.914829269
Jul-23	7.24	28.4	17.54822523	3.681852658
Jul-23	7.2	25.6	23.1798777	4.511415492
Jul-23	7.44	29.7	12.1309329	2.948833113
Jul-23	7.54	26.9	13.18749919	3.241110475
Jul-23	7.38	32.7	10.28499065	2.544730503
Jul-23	7.31	33.1	10.90829106	2.603594289
Jul-23	7.34	26.1	18.74810955	4.006811882
Jul-23			60.91184485	
Jul-23	7.3	27.6	17.42799351	3.735993775
Jul-23	7.17	27.6	20.30402368	4.029641289
Jul-23	7.28	26.7	19.25147103	4.009925529
Jul-23	7.19	27.4	20.19253284	4.038973316
Jul-23			60.91184485	
Jul-23	7.29	24.7	22.44311755	4.533083009
Jul-23	7.13	27.2	21.90247149	4.218778105
Jul-23	7.28	27.2	18.46987347	3.882722095
Jul-23	7.17	28.3	19.15940912	3.851823583
Aug-23	7.53	27.5	12.74183314	3.146746459
Aug-23	7.21	27.5	19.57832374	3.969298386
Aug-23	7.36	24.7	20.50631489	4.324298003
Aug-23	7	24.1	32.07256815	5.449141798

Aug-23	7.19	27.5	20.02584258	4.013016856
Aug-23	7.45	26.1	16.11620098	3.689303164
Aug-23	7.28	26.9	18.93493943	3.95855157
Aug-23	7.5	27.2	13.6696517	3.294985515
Aug-23	7.45	26.5	15.59059445	3.595376242
Aug-23	7.4	26.8	16.31956849	3.66753855
Aug-23	7.27	24.6	23.19473589	4.619920148
Aug-23	7.48	25.7	15.9465733	3.692522207
Aug-23	7.11	23.7	29.88227225	5.337269745
Aug-23	7.07	23.6	31.34645526	5.469502545
Aug-23	7.1	24.1	29.20050817	5.225527486
Aug-23	7.19	24	26.76645141	5.028876659
Aug-23	7.16	22.9	30.30356835	5.484089941
Aug-23	7.25	24	24.97320014	4.860702977
Aug-23	7.25	24	24.97320014	4.860702977
Aug-23	7.32	26.6	18.45913581	3.93273574
Aug-23	7.29	23.3	25.20479586	4.961279244
Aug-23	7.4	26	17.43848175	3.861665813
Aug-23	7.34	22.9	24.44316743	4.924917423
Aug-23	7.4	25.7	17.87757757	3.93708406
Aug-23	7.12	27.2	22.12999034	4.239078844
Aug-23	7.25	26.8	19.80041067	4.057878912
Aug-23	7.42	26.2	16.68032494	3.754150203
Aug-23	7.84	27.6	7.513284784	2.226925095
Aug-23	7.52	26.2	14.40968733	3.452848814
Aug-23	7.47	26.4	15.27034498	3.559434895
Aug-23	7.17	28.3	19.15940912	3.851823583
Sep-23	7.3	26.7	18.7779159	3.959188177
Sep-23	7.11	23.6	30.13100505	5.371791561
Sep-23	7.33	25.8	19.47204409	4.113107965
Sep-23	7.47	25.3	16.728186	3.821035334
Sep-23	7.46	24.9	17.54610627	3.953557405
Sep-23	7.44	24.8	18.20933981	4.044363615
Sep-23	7.41	24.8	18.99689123	4.140643274
Sep-23	7.35	23.3	23.33723624	4.766294937
Sep-23	7.16	26.2	23.05121233	4.433069793
Sep-23	7.44	25.9	16.62241805	3.7674734
Sep-23	7.37	25.1	19.57367408	4.184106157
Sep-23	7.44	24.5	18.66784561	4.123349946
Sep-23	7.37	25.6	18.77899527	4.05137734
Sep-23	7.49	25.2	16.3770909	3.781063808
Sep-23	7.24	25.8	21.76873537	4.353779246
Sep-23	7.2	26.4	21.69257663	4.28462509
Sep-23	7.34	26.8	17.69120775	3.830001579
Sep-23	7.28	25.6	21.08938524	4.304634748
Sep-23	7.3	23.6	24.27992772	4.835107607
Sep-23	7.4	22.5	23.30819652	4.839212434
Sep-23	7.24	24.4	24.44742936	4.765038399
Sep-23	7.12	24.8	27.00108552	4.948476296
Sep-23	7.33	24.5	21.68760247	4.472703502
Sep-23	7.32	26	19.40043041	4.087848246
Sep-23	7.59	25	14.27349589	3.493559717

Sep-23	7.26	25.9	21.07946426	4.274532112
Sep-23	7.25	26.6	20.13141018	4.110541938
Sep-23	7.33		26.31411291	
Average		23.20771429	30.70029876	5.526027849
Min	6.45	15.2	7.513284784	2.226925095
Max	7.92	33.1	60.91184485	9.608704391
Std Dev	0.43577064	2.968019209	9.596257955	1.269173405

Table C2. Daily BOD Loading Comparison
Industrial Pretreatment Program: Local Limits Evaluation
City of Tolleson, AZ

All 2023 BOD Data						2023 Dates with BOD > 40650 Lbs					
Date	Influent (mg/L)	Flow (MGD)	Influent (lbs)	Effluent (mg/L)	Removal Efficiency (%)	Date	Influent (mg/L)	Flow (MGD)	Influent (lbs)	Effluent (mg/L)	Removal Efficiency (%)
1/11/2023	858	5.46	39070	21	97.6%	1/12/2023	1,290	5.13	55,192	16	98.8%
1/12/2023	1290	5.13	55192	16	98.8%	1/17/2023	918	5.54	42,415	13	98.6%
1/16/2023	448	5.68	21222	12	97.3%	1/19/2023	1,020	5.26	44,746	16	98.4%
1/17/2023	918	5.54	42415	13	98.6%	1/26/2023	1,660	5.05	69,914	22	98.7%
1/18/2023	890	5.31	39414	9	99.0%	1/30/2023	1,220	5.55	56,470	17	98.6%
1/19/2023	1020	5.26	44746	16	98.4%	1/31/2023	956	5.51	43,931	15	98.4%
1/26/2023	1660	5.05	69914	22	98.7%	2/1/2023	920	5.42	41,587	17	98.2%
1/30/2023	1220	5.55	56470	17	98.6%	2/2/2023	1,770	5.37	79,271	17	99.0%
1/31/2023	956	5.51	43931	15	98.4%	2/7/2023	1,210	5.71	57,622	11	99.1%
2/1/2023	920	5.42	41587	17	98.2%	2/8/2023	1,080	5.79	52,152	14	98.7%
2/2/2023	1770	5.37	79271	17	99.0%	2/9/2023	1,320	5.85	64,401	12	99.1%
2/6/2023	488	5.75	23402	12	97.5%	2/15/2023	1,120	5.66	52,869	14	98.8%
2/7/2023	1210	5.71	57622	11	99.1%	2/16/2023	1,040	6.55	56,812	20	98.1%
2/8/2023	1080	5.79	52152	14	98.7%	2/20/2023	761	7.1	45,062	13	98.3%
2/9/2023	1320	5.85	64401	12	99.1%	2/21/2023	1,260	6.26	65,783	14	98.9%
2/15/2023	1120	5.66	52869	14	98.8%	2/22/2023	1,100	6.2	56,879	15	98.6%
2/16/2023	1040	6.55	56812	20	98.1%	3/1/2023	786	6.52	42,740	14	98.2%
2/20/2023	761	7.1	45062	13	98.3%	3/14/2023	1,620	6.28	84,848	18	98.9%
2/21/2023	1260	6.26	65783	14	98.9%	3/15/2023	937	6.51	50,873	15	98.4%
2/22/2023	1100	6.2	56879	15	98.6%	3/21/2023	1,720	6.51	93,385	10	99.4%
2/27/2023	784	5.93	38774	14	98.2%	3/22/2023	1,070	6.31	56,309	12	98.9%
3/1/2023	786	6.52	42740	14	98.2%	3/23/2023	1,270	6.23	65,987	14	98.9%
3/6/2023	673	6.19	34743	12	98.2%	4/5/2023	935	5.7	44,448	13	98.6%
3/14/2023	1620	6.28	84848	18	98.9%	4/13/2023	1,190	6.02	59,746	7	99.4%
3/15/2023	937	6.51	50873	15	98.4%	4/19/2023	1,180	6.06	59,638	10	99.2%
3/21/2023	1720	6.51	93385	10	99.4%	5/2/2023	1,020	7.35	62,525	11	98.9%
3/22/2023	1070	6.31	56309	12	98.9%	5/3/2023	1,030	7.06	60,647	17	98.3%
3/23/2023	1270	6.23	65987	14	98.9%	5/10/2023	845	5.84	41,156	8	99.1%
4/3/2023	514	5.65	24220	8	98.4%	6/7/2023	1,110	6.42	59,433	13	98.8%
4/5/2023	935	5.7	44448	13	98.6%	6/14/2023	1,190	5.2	51,608	5	99.6%
4/10/2023	686	5.23	29922	7	99.0%	8/16/2023	765	6.87	43,831	2	99.7%
4/11/2023	766	5.79	36989	8	99.0%	9/20/2023	751	6.61	41,401	2	99.7%
4/13/2023	1190	6.02	59746	7	99.4%	9/27/2023	878	6.19	45,326	2	99.8%

4/17/2023	677	5.87	33143	16	97.6%	10/11/2023	941	6.35	49,834	2	99.8%
4/19/2023	1180	6.06	59638	10	99.2%	11/8/2023	1,000	6.55	54,627	15	98.5%
4/24/2023	576	6.77	32522	12	97.9%	Average	1,111	6.07	55,813	12	98.9%
5/2/2023	1020	7.35	62525	11	98.9%	Max	1,770	7.35	93,385	22	99.8%
5/3/2023	1030	7.06	60647	17	98.3%	Min	751	5.05	41,156	2	98.1%
5/10/2023	845	5.84	41156	8	99.1%						
5/17/2023	583	6.65	32334	11	98.1%						
5/24/2023	570	4.72	22438	5	99.1%						
5/31/2023	592	6.27	30957	5	99.2%						
6/7/2023	1110	6.42	59433	13	98.8%						
6/14/2023	1190	5.2	51608	5	99.6%						
6/21/2023	568	7.7	36476	18	96.8%						
7/5/2023	700	5.69	33218	2	99.7%						
7/12/2023	496	6.58	27219	1	99.8%						
7/19/2023	606	6.23	31487	3	99.5%						
7/26/2023	660	6.06	33357	3	99.5%						
8/2/2023	621	6.67	34545	2	99.7%						
8/9/2023	652	6.46	35127	1	99.8%						
8/16/2023	765	6.87	43831	2	99.7%						
8/23/2023	591	6.87	33862	2	99.7%						
8/30/2023	491	7.07	28951	1	99.8%						
9/6/2023	546	7.02	31967	2	99.6%						
9/13/2023	608	6.67	33822	2	99.7%						
9/20/2023	751	6.61	41401	2	99.7%						
9/27/2023	878	6.19	45326	2	99.8%						
10/4/2023	555	6.54	30272	3	99.5%						
10/11/2023	941	6.35	49834	2	99.8%						
11/1/2023	600	6.72	33627	100	83.3%						
11/2/2023	690	6.98	40167	100	85.5%						
11/8/2023	1000	6.55	54627	15	98.5%						
11/15/2023	380	6.78	21487	5	98.7%						
11/19/2023	320	3.97	10595	25	92.2%						
11/29/2023	500	6.65	27731	17	96.6%						
12/6/2023	700	6.53	38122	12	98.3%						
Average	870	6.13	44,099	13	98.3%						
Max	1,770	7.70	93,385	100	99.8%						
Min	320	3.97	10,595	1	83.3%						

Appendix D: Site-Specific Data



Table D1. Flow Summary
Industrial Pretreatment Program: Local Limits Evaluation
City of Tolleson, AZ

Date	Flow, mgd		
	Combined	Tolleson	SROG
1/1/2023	6.09	1.12	4.97
1/2/2023	4.83	1.53	3.3
1/3/2023	2.78	2.78	0
1/4/2023	2.85	2.85	0
1/5/2023	2.71	2.71	0
1/6/2023	2.66	2.66	0
1/7/2023	4.03	2.45	1.58
1/8/2023	4.55	1.34	3.21
1/9/2023	5.34	2.44	2.9
1/10/2023	3.22	2.71	0.51
1/11/2023	5.46	2.8	2.66
1/12/2023	5.13	2.63	2.5
1/13/2023	5.31	2.5	2.81
1/14/2023	5.35	2.39	2.96
1/15/2023	4.77	1.49	3.28
1/16/2023	5.68	2.59	3.09
1/17/2023	5.54	2.58	2.95
1/18/2023	5.31	2.62	2.69
1/19/2023	5.26	2.68	2.59
1/20/2023	5.35	2.59	2.76
1/21/2023	4.38	1.47	2.91
1/22/2023	4.09	1.21	2.88
1/23/2023	5.01	2.31	2.7
1/24/2023	5.16	2.66	2.5
1/25/2023	5.12	2.63	2.49
1/26/2023	5.05	2.7	2.36
1/27/2023	5.32	2.61	2.72
1/28/2023	5.06	2.44	2.62
1/29/2023	4.5	1.42	3.08
1/30/2023	5.55	2.45	3.1
1/31/2023	5.51	2.68	2.83
2/1/2023	5.42	2.65	2.77
2/2/2023	5.37	2.64	2.73
2/3/2023	5.75	2.66	3.09
2/4/2023	4.93	1.71	3.22
2/5/2023	4.96	1.24	3.72
2/6/2023	5.75	2.47	3.28
2/7/2023	5.71	2.58	3.12
2/8/2023	5.79	2.76	3.04
2/9/2023	5.85	2.64	3.21
2/10/2023	5.93	2.56	3.36
2/11/2023	5.76	2.33	3.44
2/12/2023	5.14	1.34	3.79
2/13/2023	6.07	2.46	3.61
2/14/2023	5.5	2.58	2.92
2/15/2023	5.66	2.83	2.82

2/16/2023	6.55	2.67	3.88
2/17/2023	6.84	2.48	4.36
2/18/2023	5.96	1.41	4.55
2/19/2023	6.11	1.08	5.03
2/20/2023	7.1	2.54	4.56
2/21/2023	6.26	2.55	3.71
2/22/2023	6.2	2.79	3.41
2/23/2023	6.04	2.83	3.22
2/24/2023	5.94	2.77	3.17
2/25/2023	6.07	2.54	3.52
2/26/2023	5.25	1.47	3.78
2/27/2023	5.93	2.55	3.39
2/28/2023	6.23	2.83	3.4
3/1/2023	6.52	3.02	3.5
3/2/2023	6.18	2.88	3.3
3/3/2023	6.07	2.74	3.34
3/4/2023	5.28	1.63	3.65
3/5/2023	5.09	1.19	3.9
3/6/2023	6.19	2.48	3.71
3/7/2023	6.31	2.76	3.55
3/8/2023	6.28	2.92	3.36
3/9/2023	6.26	2.94	3.32
3/10/2023	6.41	2.76	3.64
3/11/2023	6.39	2.46	3.93
3/12/2023	5.46	1.3	4.17
3/13/2023	6.31	2.57	3.75
3/14/2023	6.28	2.53	3.75
3/15/2023	6.51	2.74	3.78
3/16/2023	6.45	2.83	3.63
3/17/2023	6.17	2.72	3.45
3/18/2023	5.98	2.51	3.47
3/19/2023	5.3	1.4	3.9
3/20/2023	6.27	2.59	3.68
3/21/2023	6.51	2.75	3.76
3/22/2023	6.31	2.75	3.56
3/23/2023	6.23	2.79	3.44
3/24/2023	5.77	2.01	3.77
3/25/2023	5.51	1.66	3.85
3/26/2023	5.26	1.45	3.81
3/27/2023	6.1	2.34	3.76
3/28/2023	6.1	2.62	3.48
3/29/2023	5.91	2.64	3.26
3/30/2023	4.54	2.87	1.67
3/31/2023	4.83	2.65	2.18
4/1/2023	5.2	2.33	2.87
4/2/2023	5.07	1.63	3.44
4/3/2023	5.65	2.51	3.14
4/4/2023	5.65	2.74	2.91
4/5/2023	5.7	2.69	3.01
4/6/2023	5.91	2.77	3.14
4/7/2023	5.58	2.53	3.05

4/8/2023	5.02	1.45	3.57
4/9/2023	4.65	0.86	3.78
4/10/2023	5.23	1.62	3.61
4/11/2023	5.79	2.47	3.32
4/12/2023	6.08	2.84	3.25
4/13/2023	6.02	2.76	3.27
4/14/2023	5.9	2.65	3.25
4/15/2023	5.7	2.5	3.21
4/16/2023	5.23	1.6	3.63
4/17/2023	5.87	2.5	3.37
4/18/2023	6.03	2.88	3.15
4/19/2023	6.06	2.78	3.28
4/20/2023	5.99	2.9	3.09
4/21/2023	5.93	2.8	3.13
4/22/2023	5.36	1.7	3.66
4/23/2023	6.01	1.32	4.69
4/24/2023	6.77	2.5	4.27
4/25/2023	5.51	2.92	2.59
4/26/2023	5.6	2.84	2.76
4/27/2023	5.6	2.72	2.88
4/28/2023	5.71	2.8	2.9
4/29/2023	5.03	1.68	3.35
4/30/2023	6.25	1.24	5.01
5/1/2023	7.1	2.45	4.65
5/2/2023	7.35	2.85	4.5
5/3/2023	7.06	2.87	4.19
5/4/2023	5.55	2.64	2.91
5/5/2023	4.49	2.52	1.96
5/6/2023	4.59	1.62	2.98
5/7/2023	5.56	1.34	4.22
5/8/2023	6.29	2.71	3.58
5/9/2023	5.19	2.76	2.43
5/10/2023	5.84	2.84	3.01
5/11/2023	5.41	2.76	2.65
5/12/2023	6.54	2.6	3.94
5/13/2023	5.93	1.78	4.15
5/14/2023	5.8	1.34	4.46
5/15/2023	6.49	2.73	3.77
5/16/2023	6.62	2.76	3.86
5/17/2023	6.65	2.74	3.91
5/18/2023	6.8	3.08	3.72
5/19/2023	6.51	2.53	3.98
5/20/2023	5.92	1.67	4.24
5/21/2023	5.29	1.39	3.89
5/22/2023	5.76	2.41	3.34
5/23/2023	5.1	2.69	2.41
5/24/2023	4.72	2.74	1.98
5/25/2023	5.79	2.76	3.03
5/26/2023	5.73	2.53	3.2
5/27/2023	5.32	2.04	3.28
5/28/2023	4.49	1.1	3.38

5/29/2023	4.6	1.26	3.34
5/30/2023	6.04	2.42	3.62
5/31/2023	6.27	2.48	3.79
6/1/2023	6.25	2.58	3.67
6/2/2023	6.18	2.54	3.64
6/3/2023	6.08	2.12	3.96
6/4/2023	5.58	1.5	4.08
6/5/2023	6.17	2.37	3.8
6/6/2023	6.44	2.7	3.74
6/7/2023	6.42	2.7	3.72
6/8/2023	6.2	2.68	3.52
6/9/2023	6.25	2.68	3.57
6/10/2023	5.61	1.63	3.97
6/11/2023	5.46	1.51	3.95
6/12/2023	6.22	2.49	3.73
6/13/2023	5.64	2.85	2.8
6/14/2023	5.2	2.73	2.46
6/15/2023	5.44	2.82	2.62
6/16/2023	5.68	2.23	3.44
6/17/2023	5.72	1.91	3.81
6/18/2023	5.96	1.58	4.37
6/19/2023	5.91	2.71	3.21
6/20/2023	6.25	2.79	3.45
6/21/2023	7.7	2.83	4.87
6/22/2023	6.98	2.85	4.13
6/23/2023	5.07	2.89	2.18
6/24/2023	4.6	2.51	2.1
6/25/2023	4.13	1.81	2.32
6/26/2023	5.76	2.54	3.22
6/27/2023	6.21	2.91	3.29
6/28/2023	4.93	2.87	2.06
6/29/2023	4.34	2.85	1.49
6/30/2023	5.05	2.72	2.33
7/1/2023	4.84	1.91	2.93
7/2/2023	5.59	1.84	3.75
7/3/2023	6.41	2.79	3.62
7/4/2023	5.77	1.91	3.86
7/5/2023	5.69	2.52	3.17
7/6/2023	6.38	2.81	3.57
7/7/2023	6.54	2.87	3.67
7/8/2023	5.3	2.61	2.69
7/9/2023	4.39	1.98	2.41
7/10/2023	5.06	2.44	2.62
7/11/2023	5.31	2.84	2.47
7/12/2023	6.58	2.93	3.66
7/13/2023	7.01	2.87	4.14
7/14/2023	6.9	2.78	4.12
7/15/2023	6.67	2.37	4.3
7/16/2023	6.28	1.94	4.34
7/17/2023	5.88	2.59	3.29
7/18/2023	6.31	2.92	3.39

7/19/2023	6.23	3.01	3.22
7/20/2023	6.02	2.94	3.08
7/21/2023	6.07	2.84	3.23
7/22/2023	4.26	1.84	2.42
7/23/2023	4.24	1.77	2.46
7/24/2023	5.39	2.21	3.18
7/25/2023	6.07	2.81	3.26
7/26/2023	6.06	2.91	3.14
7/27/2023	6.23	2.98	3.25
7/28/2023	6.04	2.72	3.32
7/29/2023	5.19	2.71	2.48
7/30/2023	4.46	1.98	2.47
7/31/2023	5.99	2.79	3.2
8/1/2023	6.55	2.91	3.65
8/2/2023	6.67	3.01	3.66
8/3/2023	6.8	3.03	3.77
8/4/2023	6.42	2.93	3.49
8/5/2023	4.42	1.98	2.44
8/6/2023	4.28	1.87	2.42
8/7/2023	5.25	2.8	2.45
8/8/2023	6.05	3.12	2.93
8/9/2023	6.46	2.99	3.47
8/10/2023	6.54	2.99	3.54
8/11/2023	6.29	2.99	3.29
8/12/2023	4.5	2.15	2.35
8/13/2023	4.15	1.61	2.54
8/14/2023	5.25	2.14	3.12
8/15/2023	6.51	2.98	3.53
8/16/2023	6.87	3.05	3.82
8/17/2023	7.22	3.11	4.11
8/18/2023	7.15	3.09	4.06
8/19/2023	5.3	2.83	2.47
8/20/2023	5.3	2.83	2.47
8/21/2023	7.05	3	4.05
8/22/2023	7.11	3.05	4.06
8/23/2023	6.87	3.08	3.8
8/24/2023	7.01	3.02	3.99
8/25/2023	7.1	3.08	4.02
8/26/2023	4.99	2.4	2.59
8/27/2023	4.45	1.82	2.63
8/28/2023	6.94	2.93	4.01
8/29/2023	7.07	3.1	3.97
8/30/2023	7.07	3.1	3.97
8/31/2023	7.21	3.2	4
9/1/2023	7.34	3.36	3.98
9/2/2023	7.34	3.36	3.98
9/3/2023	4.07	1.65	2.42
9/4/2023	5.46	1.92	3.53
9/5/2023	6.79	2.88	3.92
9/6/2023	7.02	2.99	4.02
9/7/2023	6.9	2.92	3.97

9/8/2023	6.75	2.82	3.94
9/9/2023	4.92	2.07	2.85
9/10/2023	4.14	1.68	2.46
9/11/2023	6.17	2.76	3.41
9/12/2023	6.84	2.99	3.85
9/13/2023	6.67	2.87	3.8
9/14/2023	6.65	2.76	3.89
9/15/2023	6.73	2.69	4.04
9/16/2023	4.88	2.04	2.85
9/17/2023	2.98	1.61	1.37
9/18/2023	4.75	2.36	2.39
9/19/2023	6.71	2.66	4.04
9/20/2023	6.61	2.73	3.88
9/21/2023	6.59	2.7	3.9
9/22/2023	6.6	2.71	3.89
9/23/2023	4.71	1.71	3
9/24/2023	4.42	1.46	2.97
9/25/2023	5.99	2.52	3.47
9/26/2023	6.41	2.84	3.57
9/27/2023	6.19	2.77	3.42
9/28/2023	6.5	2.73	3.77
9/29/2023	6.41	2.78	3.63
9/30/2023	4.15	1.98	2.17
10/1/2023	3.57	1.53	2.04
10/2/2023	6.03	2.35	3.68
10/3/2023	6.76	2.8	3.96
10/4/2023	6.54	2.66	3.88
10/5/2023	4.29	2.61	1.68
10/6/2023	5.67	2.07	3.6
10/7/2023	3.79	1.34	2.45
10/8/2023	3.77	1.42	2.35
10/9/2023	6	2.42	3.57
10/10/2023	6.49	2.58	3.91
10/11/2023	6.35	2.56	3.79
10/12/2023	6.23	2.45	3.78
10/13/2023	8.63	3.52	5.11
10/14/2023	4.18	1.66	2.52
10/15/2023	3.67	1.17	2.5
10/16/2023	5.95	2.42	3.53
10/17/2023	6.27	2.51	3.76
10/18/2023	6.2	2.56	3.64
10/19/2023	6.38	2.57	3.81
10/20/2023	6.27	2.56	3.71
10/21/2023	3.89	1.47	2.43
10/22/2023	3.68	1.19	2.5
10/23/2023	5.97	2.14	3.83
10/24/2023	6.03	2.35	3.69
10/25/2023	6.48	2.61	3.87
10/26/2023	6.49	2.6	3.88
10/27/2023	6.76	2.54	4.22
10/28/2023	4.22	1.74	2.48

10/29/2023	3.72	1.29	2.43
10/30/2023	3.72	1.29	2.43
10/31/2023	6.14	2.49	3.65
11/1/2023	6.72	2.66	4.06
11/2/2023	6.98	2.91	4.07
11/3/2023	6.83	2.91	3.92
11/4/2023	4.64	2.15	2.49
11/5/2023	4.04	1.46	2.58
11/6/2023	6.11	2.46	3.65
11/7/2023	6.88	2.82	4.06
11/8/2023	6.55	2.78	3.77
11/9/2023	6.58	2.79	3.79
11/10/2023	6.59	2.6	3.99
11/11/2023	4.13	1.82	2.31
11/12/2023	3.87	1.38	2.49
11/13/2023	6.64	2.53	4.11
11/14/2023	6.57	2.75	3.82
11/15/2023	6.78	2.75	4.03
11/16/2023	6.85	2.75	4.1
11/17/2023	6.45	2.78	3.67
11/18/2023	4.72	2.08	2.64
11/19/2023	3.97	1.5	2.47
11/20/2023	6.28	2.35	3.93
11/21/2023	6.49	2.42	4.07
11/22/2023	6.45	2.43	4.02
11/23/2023	5.67	1.74	3.93
11/24/2023	5.88	2.28	3.61
11/25/2023	4.66	2.05	2.61
11/26/2023	3.99	1.46	2.53
11/27/2023	6.29	2.4	3.89
11/28/2023	6.57	2.49	4.09
11/29/2023	6.65	2.56	4.09
11/30/2023	6.52	2.47	4.05
12/1/2023	6.4	2.51	3.89
12/2/2023	4.19	1.65	2.54
12/3/2023	4.22	1.53	2.69
12/4/2023	6.42	2.64	3.78
12/5/2023	6.46	2.57	3.89
12/6/2023	6.53	2.59	3.95
12/7/2023	6.42	2.57	3.85
12/8/2023	6.2	2.47	3.73
12/9/2023	4.13	1.49	2.64
12/10/2023	3.91	1.04	2.87
12/11/2023	6.56	2.31	4.25
12/12/2023	6.69	2.56	4.12
Average	5.73	2.41	3.32
	Combined	Tolleson	SROG

Table D2. Industrial Flow Summary
Industrial Pretreatment Program: Local Limits Evaluation
City of Tolleson, AZ

Date	Blue Beacon Max Daily Flow (mg)	Blue Beacon Average Daily Flow (mgd)	Pepsico Max Daily Flow (mg)	Pepsico Average Daily Flow (mgd)	JBS Max Daily Flow (mg)	JBS Average Daily Flow (mgd)	Holsom Max Daily Flow (mg)	Holsom Average Daily Flow (mgd)	Tolleson Dairy Max Daily Flow (mg)	Tolleson Dairy Average Daily Flow (mgd)	I.U. Average Daily Flow (mgd)
Jan-22	0.055	0.043	0.457	0.194	0.786	0.542	0.009	0.007	0.229	0.154	0.939
Feb-22	0.051	0.042	0.357	0.228	0.791	0.629	0.006	0.005	0.241	0.152	1.056
Mar-22	0.051	0.037	0.433	0.258	0.798	0.672	0.006	0.005	0.221	0.148	1.120
Apr-22	0.048	0.036	0.565	0.298	0.772	0.566	0.014	0.008	0.242	0.159	1.067
May-22	0.044	0.035	0.384	0.274	0.768	0.538	0.013	0.011	1.938	0.227	1.085
Jun-22	0.048	0.036	0.519	0.309	0.761	0.587	0.041	0.031	0.287	0.212	1.176
Jul-22	0.042	0.032	0.554	0.299	0.797	0.550	0.028	0.026	0.311	0.193	1.100
Aug-22	0.059	0.033	0.484	0.297	0.789	0.560	0.048	0.031	0.272	0.202	1.123
Sep-22	0.064	0.042	0.851	0.366	0.777	0.573	0.013	0.010	0.290	0.211	1.202
Oct-22	0.057	0.047	0.545	0.233	0.703	0.484	0.019	0.014	0.286	0.206	0.984
Nov-22	0.071	0.054	0.314	0.178	0.694	0.511	0.01	0.008	0.298	0.184	0.935
Dec-22	0.076	0.053	0.245	0.136	0.707	0.509	0.022	0.014	0.256	0.158	0.870
Total	0.666	0.490	5.708	3.069	9.143	6.721	0.229	0.170	4.871	2.207	12.657
Averages	0.056	0.041	0.476	0.256	0.762	0.560	0.019	0.014	0.406	0.184	1.05
Maximum	0.076	0.054	0.851	0.366	0.798	0.672	0.048	0.031	1.938	0.227	1.202
Minimum	0.042	0.032	0.245	0.136	0.694	0.484	0.006	0.005	0.221	0.148	0.870

Table D3. Influent and Effluent Summary for Conventional Pollutants
Industrial Pretreatment Program: Local Limits Evaluation
City of Tolleson, AZ

Date	Influent BOD (mg/L)	Effluent BOD (mg/L)	BOD % Removal	Influent TSS (mg/L)	Effluent TSS (mg/L)	TSS % Removal	Date	Influent Ammonia (mg/L)	Effluent Ammonia (mg/L)	Ammonia % Removal
Jan-23	1028.89	13.86	98.65%	634.46	22.22	96.50%	Jan-22	38.80	3.08	92.07%
Feb-23	1071.08	14.50	98.65%	630.67	14.74	97.66%	Feb-22	39.92	1.31	96.72%
Mar-23	1158.25	13.80	98.81%	575.00	18.63	96.76%	Mar-22	40.61	0.41	98.98%
Apr-23	842.00	10.73	98.73%	442.29	21.57	95.12%	Apr-22	32.98	0.41	98.76%
May-23	773.33	10.10	98.69%	486.29	18.13	96.27%	May-22	34.17	0.72	97.89%
Jun-23	956.00	11.67	98.78%	360.00	14.62	95.94%	Jun-22	30.21	0.26	99.16%
Jul-23	615.50	3.14	99.49%	377.00	5.78	98.47%	Jul-22	33.13	0.28	99.14%
Aug-23	624.00	1.90	99.70%	477.20	4.47	99.06%	Aug-22	35.70	0.27	99.24%
Sep-23	695.75	2.14	99.69%	434.50	4.64	98.93%	Sep-22	34.09	0.77	97.73%
Oct-23	748.00	2.50	99.67%	465.33	7.10	98.48%	Oct-22	33.95	0.73	97.84%
Nov-23	581.67	43.67	92.49%	413.00	16.53	96.00%	Nov-22	34.20	0.14	99.59%
Dec-23	863.75	18.43	97.87%	507.60	20.27	96.01%	Dec-22	29.72	4.43	85.09%
Average	829.85	12.20	98.43%	483.61	14.06	97.10%	Average	34.79	1.07	96.85%
Maximum	1158.25	43.67	99.70%	634.46	22.22	99.06%	Maximum	40.61	4.43	99.59%
Minimum	581.67	1.90	92.49%	360.00	4.47	95.12%	Minimum	29.72	0.140	85.09%

Table D4. Influent and Effluent Summary for Non-Conventional Pollutants
Industrial Pretreatment Program: Local Limits Evaluation
Tolleson, AZ

Date	Antimony		Paired Sampling Removal Efficiency (%)	Arsenic		Paired Sampling Removal Efficiency (%)	Barium		Paired Sampling Removal Efficiency (%)	Beryllium		Paired Sampling Removal Efficiency (%)	Bis(2-ethyl
	(mg/L)			(mg/L)			(mg/L)			(mg/L)			(n
	Influent	Effluent		Influent	Effluent		Influent	Effluent		Influent	Effluent		
3/5/2019	0.0023			0.0036									
3/6/2019										0.0005			
3/10/2019													
3/11/2019													
3/12/2019													0.055
3/14/2019		0.0005			0.0018						0.0005		
3/18/2019													
3/19/2019													
6/5/2019										0.0005			
6/10/2019	0.0016			0.0028									
6/12/2019													
6/25/2019													
8/27/2019	0.0016	0.0005		0.0027	0.0015					0.0005	0.0005		
11/29/2019	0.0011			0.0026	0.0024					0.0005			
12/2/2019													
12/3/2019													
12/9/2019													
2/25/2020	0.002	0.00069		0.0036	0.002					0.0005	0.0005		0.055
6/16/2020					0.0018						0.0005		
6/17/2020													
6/18/2020				0.0026						0.0005			
6/19/2020													0.0055
9/18/2020										0.0005			
9/21/2020											0.0005		0.05
9/22/2020													
9/24/2020													
9/25/2020	0.0015	0.0005		0.0032	0.0018								
9/29/2020													
12/7/2020													
12/10/2020													
12/11/2020				0.003	0.0034					0.0005	0.0005		0.05
3/9/2021	0.0018	0.00066		0.0037	0.0028					0.00016	0.00014	0.125	0.0091
3/10/2021													
6/14/2021	0.0016	0.0005		0.0034	0.004					0.0005	0.0005		0.0215
6/15/2021													
9/20/2021	0.0013	0.0005		0.0035	0.0016					0.0005	0.0005		0.022
9/21/2021													
9/22/2021													
9/23/2021													
9/24/2021													
12/6/2021	0.002	0.0005		0.0031	0.0016								0.05
3/14/2022	0.0016	0.00078		0.0029	0.0026					0.0005	0.00012		0.0034
3/15/2022													
6/9/2022	0.0013	0.0005		0.003	0.0027					0.0005	0.0005		0.005
6/10/2022													
6/14/2022	0.0016			0.0034	0.004								
5/30/2023							0.12	0.039					0.0049
6/1/2023							0.1	0.048					0.0034
6/5/2023							0.12	0.044					
6/7/2023							0.12	0.051					
6/8/2023							0.13	0.05					
6/12/2023							0.13	0.048					
8/30/2023	0.0051	0.00042		0.0026	0.0018		0.085	0.033		0.000037	0.000037		0.0061
8/31/2023													
Average	0.0018857	0.00055		0.0031063	0.0023867		0.115	0.0447143		0.000442643	0.00039975		0.00538
Historical Average													
Maximum	0.0051	0.00078		0.0037	0.004		0.13	0.051		0.0005	0.0005		0.055
Minimum	0.0011	0.00042		0.0026	0.0015		0.085	0.033		0.000037	0.000037		0.0034
Standard Deviation													
Literature Removal Efficiencies													
Removal Efficiencies (%)	70.8%	Used in Calcs (%)	70.8%	23.2%	Used in Calcs (%)	23.2%	61.1%	Used in Calcs (%)	61.1%	9.7%	Used in Calcs (%)	9.7%	86.6%

Abbreviations:
mg/L - milligrams per liter.

Notes:
Values in italics were nondetect and are reported at half the detection limit, or half the reporting limit if the detection limit is unavailable
A light orange cell indicates data points that are not used (e.g., high detection limits that skew averages)
Values in red are literature removal efficiencies

Table D4. Influent and Effluent Concentrations and Removal Efficiencies for 1,2-Dichloroethane at the Industrial Pretreatment Facility, Tolleson, AZ

Date	exly) Pthalate	Paired Sampling Removal Efficiency (%)	Boron		Paired Sampling Removal Efficiency (%)	Cadmium		Paired Sampling Removal Efficiency (%)	Chromium		Paired Sampling Removal Efficiency (%)	cis-1,2,- Dichloroethylene	
	g/L)		(mg/L)			(mg/L)			(mg/L)			(mg/L)	
	Effluent		Influent	Effluent		Influent	Effluent		Influent	Effluent		Influent	Effluent
3/5/2019													
3/6/2019			0.42			0.0015			0.021				
3/10/2019													
3/11/2019													
3/12/2019													
3/14/2019	0.0055			0.38			0.0005			0.005			
3/18/2019													
3/19/2019													
6/5/2019			0.39			0.0005			0.011				
6/10/2019													
6/12/2019													
6/25/2019													
8/27/2019			0.38	0.37		0.0005	0.0005		0.011	0.005			
11/29/2019			0.4	0.35		0.0005			0.005				
12/2/2019													
12/3/2019													
12/9/2019													
2/25/2020	0.0055		0.42	0.35		0.0005	0.0005		0.013	0.005			
6/16/2020	0.0055			0.32			0.0005			0.005			
6/17/2020													
6/18/2020			0.39			0.0005			0.005				
6/19/2020													
9/18/2020			0.37			0.0025			0.024				
9/21/2020	0.00063			0.38			0.0025			0.005			
9/22/2020													
9/24/2020													
9/25/2020													
9/29/2020													
12/7/2020	0.00081												
12/10/2020													
12/11/2020			0.37	0.36		0.0005	0.0005		0.005	0.005			
3/9/2021	0.0015		0.49	0.39					0.015	0.00097			
3/10/2021													
6/14/2021	0.0055		0.43	0.39		0.0005	0.0005		0.005	0.005			
6/15/2021													
9/20/2021	0.0055		0.43	0.4		0.0005	0.0005		0.005	0.005			
9/21/2021													
9/22/2021													
9/23/2021													
9/24/2021													
12/6/2021	0.0055												
3/14/2022	0.0019		0.41	0.4		0.0005	0.0005		0.01	0.005			
3/15/2022													
6/9/2022	0.005		0.45	0.41		0.0005	0.0005		0.012	0.005			
6/10/2022													
6/14/2022			0.43	0.39									
5/30/2023	0.00006					0.00021	0.0000115					0.31	0.31
6/1/2023	0.000065					0.00017	0.000023					0.31	0.31
6/5/2023						0.00019	0.00004					0.31	0.31
6/7/2023						0.00024	0.000059					0.31	0.31
6/8/2023						0.00023	0.0000115					0.31	0.31
6/12/2023						0.00022	0.0000115					0.31	0.31
8/30/2023	0.000065		0.42	0.4		0.00018	0.0000115		0.0091	0.00096		0.31	0.31
8/31/2023													
Average	0.000718571		0.4133333	0.3778571		0.0002057	0.000024		0.0107929	0.0043275		0.31	0.31
Historical Average													
Maximum	0.0055		0.49	0.41		0.0025	0.0025		0.024	0.005		0.31	0.31
Minimum	0.00006		0.37	0.32		0.00017	0.0000115		0.005	0.00096		0.31	0.31
Standard Deviation													
Literature Removal Efficiencies													
Removal Efficiencies (%)	Used in Calcs (%)	86.6%	8.6%	Used in Calcs (%)	8.6%	88.3%	Used in Calcs (%)	88.3%	59.9%	Used in Calcs (%)	59.9%	0.0%	Used in Calcs (%)

Abbreviations:
mg/L - milligrams per liter.
Notes:
Values in italics were not used in calculations.
A light orange cell indicates a value that is a literature value.
Values in red are literature values.

Table D4. Influent and Effluent Concentrations and Removal Efficiencies for Copper, Cyanide, Fluoride, and Iron at the Industrial Pretreatment Facility, Tolleson, AZ

Date	Paired Sampling Removal Efficiency (%)	Copper		Paired Sampling Removal Efficiency (%)	Cyanide		Paired Sampling Removal Efficiency (%)	Flouride		Paired Sampling Removal Efficiency (%)	Iron		Paired Sampling Removal Efficiency (%)
		(mg/L)			(mg/L)			(mg/L)			(mg/L)		
		Influent	Effluent		Influent	Effluent		Influent	Effluent		Influent	Effluent	
3/5/2019													
3/6/2019		0.13			0.004	0.0084							
3/10/2019													
3/11/2019													
3/12/2019													
3/14/2019			0.005										
3/18/2019													
3/19/2019													
6/5/2019		0.082											
6/10/2019													
6/12/2019													
6/25/2019													
8/27/2019		0.097	0.005										
11/29/2019		0.057											
12/2/2019													
12/3/2019													
12/9/2019													
2/25/2020		0.074	0.005		0.011	0.016							
6/16/2020			0.005			0.015							
6/17/2020													
6/18/2020		0.053			0.004								
6/19/2020													
9/18/2020		0.15											
9/21/2020			0.0075										
9/22/2020													
9/24/2020													
9/25/2020						0.004							
9/29/2020					0.004								
12/7/2020													
12/10/2020													
12/11/2020		0.068	0.011		0.004	0.01							
3/9/2021		0.11	0.011										
3/10/2021					0.012								
6/14/2021		0.088	0.005										
6/15/2021					0.004	0.0041							
9/20/2021		0.11	0.005										
9/21/2021					0.004	0.004							
9/22/2021													
9/23/2021													
9/24/2021													
12/6/2021					0.004	0.004							
3/14/2022		0.077	0.0089										
3/15/2022					0.011	0.015							
6/9/2022		0.076	0.011		0.0094								
6/10/2022						0.004							
6/14/2022		0.088											
5/30/2023					0.00195	0.014		0.39	0.69		1.5	0.21	
6/1/2023					0.0057	0.015		1.9	0.63		1.5	0.35	
6/5/2023					0.00195	0.012		16	0.67		1.5	0.28	
6/7/2023					0.0039	0.00195		1.2	0.62		1.9	0.44	
6/8/2023					0.00195	0.012		5.1	0.64		1.8	0.24	
6/12/2023					0.00195	0.00195		8	0.67		1.7	0.16	
8/30/2023		0.084	0.0043		0.00195	0.0065		1.5	0.69		1.7	0.12	
8/31/2023													
Average		0.0896	0.006975		0.0050417	0.0087		4.87	0.6585714		1.6571429	0.2571429	
Historical Average													
Maximum		0.15	0.011		0.012	0.016		16	0.69		1.9	0.44	
Minimum		0.053	0.0043		0.00195	0.00195		0.39	0.62		1.5	0.12	
Standard Deviation													
Literature Removal Efficiencies													
Removal Efficiencies (%)		92.2%	Used in Calcs (%)	92.2%	-72.6%	Used in Calcs (%)	0	86.5%	Used in Calcs (%)	86.5%	84.5%	Used in Calcs (%)	84.5%

Abbreviations:
mg/L - milligrams per liter.
Notes:
Values in italics were not used in calculations.
A light orange cell indicates a literature value.
Values in red are literature values.

Table D4. Influent and Effluent Concentrations and Removal Efficiencies for Lead, Mercury, Molybdenum, and Nickel at the Industrial Pretreatment Facility, Tolleson, AZ

Date	Lead		Paired Sampling Removal Efficiency (%)	Mercury		Paired Sampling Removal Efficiency (%)	Molybdenum		Paired Sampling Removal Efficiency (%)	Nickel		Paired Sampling Removal Efficiency (%)
	(mg/L)			(mg/L)			(mg/L)			(mg/L)		
	Influent	Effluent		Influent	Effluent		Influent	Effluent		Influent	Effluent	
3/5/2019												
3/6/2019	0.0075						0.033			0.015		
3/10/2019												
3/11/2019												
3/12/2019												
3/14/2019		0.0075						0.011			0.005	
3/18/2019												
3/19/2019												
6/5/2019	0.0075						0.044			0.005		
6/10/2019												
6/12/2019												
6/25/2019												
8/27/2019	0.0075	0.0075					0.044	0.005				
11/29/2019	0.0075						0.019			0.005	0.005	
12/2/2019										0.005		
12/3/2019												
12/9/2019												
2/25/2020	0.0043	0.0075					0.031	0.013		0.0073	0.005	
6/16/2020		0.0075						0.018			0.005	
6/17/2020												
6/18/2020	0.0075						0.039			0.005		
6/19/2020												
9/18/2020	0.0045						0.023			0.02		
9/21/2020		0.0045						0.01			0.02	
9/22/2020												
9/24/2020												
9/25/2020												
9/29/2020												
12/7/2020												
12/10/2020												
12/11/2020	0.0075	0.0075					0.16	0.066		0.005	0.005	
3/9/2021							0.03	0.01				
3/10/2021												
6/14/2021	0.0075	0.0075					0.068	0.019		0.005	0.005	
6/15/2021												
9/20/2021	0.0075	0.0075					0.005	0.005		0.005	0.005	
9/21/2021												
9/22/2021												
9/23/2021												
9/24/2021												
12/6/2021												
3/14/2022	0.0075	0.0075					0.003	0.0024		0.005	0.005	
3/15/2022												
6/9/2022	0.0075	0.0075					0.005	0.005		0.005	0.005	
6/10/2022												
6/14/2022							0.068	0.019				
5/30/2023	0.00135	0.00135		0.00000075	0.00000343					0.006	0.0026	
6/1/2023	0.00135	0.00135		0.00000075	0.00000577					0.0026	0.0026	
6/5/2023	0.00135	0.00135		0.0000085	0.00000592					0.0026	0.0026	
6/7/2023	0.00135	0.00135		0.00000443	0.00000496					0.0026	0.0026	
6/8/2023	0.00135	0.00135		0.0000132	0.00000352					0.0026	0.0026	
6/12/2023	0.00135	0.00135		0.0000164	0.00000725					0.0026	0.0026	
8/30/2023	0.00135	0.00135		0.0000117	0.00000153		0.015	0.0041		0.0026	0.0026	
8/31/2023												
Average	0.0017188	0.00135		7.96143E-06	4.62571E-06		0.0391333	0.0144231		0.0057316	0.0048941	
Historical Average												
Maximum	0.0075	0.0075		0.0000164	0.00000725		0.16	0.066		0.02	0.02	
Minimum	0.00135	0.00135		0.00000075	0.00000153		0.003	0.0024		0.0026	0.0026	
Standard Deviation												
Literature Removal Efficiencies												
Removal Efficiencies (%)	21.5%	Used in Calcs (%)	55%	41.9%	Used in Calcs (%)	41.9%	63.1%	Used in Calcs (%)	63.1%	14.6%	Used in Calcs (%)	29%

Abbreviations:
mg/L - milligrams per liter.
Notes:
Values in italics were not used in calculations.
A light orange cell indicates a value that is a literature value.
Values in red are literature values.

Table D4. Influent and Effluent Concentrations and Removal Efficiencies for Industrial Pretreatment at Tolleason, AZ

Date	Oil & Grease (HEM)		Paired Sampling Removal Efficiency (%)	Selenium		Paired Sampling Removal Efficiency (%)	Silver		Paired Sampling Removal Efficiency (%)	Styrene		Paired Sampling Removal Efficiency (%)
	(mg/L)			(mg/L)			(mg/L)			(mg/L)		
	Influent	Effluent		Influent	Effluent		Influent	Effluent		Influent	Effluent	
3/5/2019				0.0026			0.00016					
3/6/2019												
3/10/2019												
3/11/2019												
3/12/2019												
3/14/2019	44.9	2.05			0.00061			0.00005				
3/18/2019												
3/19/2019												
6/5/2019	134											
6/10/2019				0.0026			0.00005					
6/12/2019												
6/25/2019												
8/27/2019	156	2.85		0.0021	0.00098		0.00005	0.00005				
11/29/2019					0.00082		0.00005					
12/2/2019												
12/3/2019												
12/9/2019	23.2											
2/25/2020	51.9	2.7		0.0026	0.0008		0.00011	0.00006				
6/16/2020		2.75										
6/17/2020												
6/18/2020	11.8											
6/19/2020												
9/18/2020												
9/21/2020												
9/22/2020												
9/24/2020												
9/25/2020		2.8		0.0018	0.00025		0.00018	0.00005				
9/29/2020	74.7											
12/7/2020												
12/10/2020												
12/11/2020	9.9	2.75										
3/9/2021				0.0038	0.0016		0.000086	0.000046				
3/10/2021	76.5											
6/14/2021				0.0014	0.0006		0.00005	0.00005				
6/15/2021	37.6	2.8										
9/20/2021				0.0023	0.00076		0.00005	0.00005				
9/21/2021	69.1	2.65										
9/22/2021												
9/23/2021												
9/24/2021												
12/6/2021	27.8	2.6		0.0026	0.0011		0.00005	0.00005				
3/14/2022				0.0023	0.001		0.000058	0.000051				
3/15/2022	13.7	2.7										
6/9/2022	535			0.0027	0.00025		0.00005	0.00005				
6/10/2022		2.6										
6/14/2022				0.0014	0.0006							
5/30/2023										0.000245	0.000245	
6/1/2023										0.000245	0.000245	
6/5/2023										0.000245	0.000245	
6/7/2023										0.000245	0.000245	
6/8/2023										0.000245	0.000245	
6/12/2023										0.000245	0.000245	
8/30/2023				0.0016	0.00058		0.00019	0.000006		0.000245	0.000245	
8/31/2023												
Average	56.238462	2.6590909		0.0022923	0.0007654		0.00009	0.00005		0.000245	0.000245	
Historical Average												
Maximum	156	2.85		0.0038	0.0016		0.00019	0.00006		0.000245	0.000245	
Minimum	9.9	2.05		0.0014	0.00025		0.00005	0.000006		0.000245	0.000245	
Standard Deviation												
Literature Removal Efficiencies												
Removal Efficiencies (%)	95.3%	Used in Calcs (%)	95.3%	66.6%	Used in Calcs (%)	66.6%	46.5%	Used in Calcs (%)	46.5%	0.0%	Used in Calcs (%)	0

Abbreviations:
mg/L - milligrams per liter.
Notes:
Values in italics were not used in calculations.
A light orange cell indicates a value that is not used in calculations.
Values in red are literature values.

Table D4. Influent and Effluent Concentrations of Metals and Organic Compounds at the Industrial Pretreatment Facility, Tolleson, AZ

Date	Thallium		Paired Sampling Removal Efficiency (%)	Xylenes (total)		Paired Sampling Removal Efficiency (%)	Zinc		Paired Sampling Removal Efficiency (%)
	(mg/L)			(mg/L)			(mg/L)		
	Influent	Effluent		Influent	Effluent		Influent	Effluent	
3/5/2019	0.00005								
3/6/2019						0.61			
3/10/2019									
3/11/2019									
3/12/2019									
3/14/2019		0.00005					0.025		
3/18/2019									
3/19/2019									
6/5/2019						0.27			
6/10/2019	0.00005								
6/12/2019									
6/25/2019									
8/27/2019						0.26	0.025		
11/29/2019	0.00005	0.00005				0.19			
12/2/2019	0.00005								
12/3/2019									
12/9/2019									
2/25/2020						0.31	0.032		
6/16/2020	0.000059	0.00011					0.025		
6/17/2020									
6/18/2020						0.15			
6/19/2020									
9/18/2020						0.51			
9/21/2020							0.01		
9/22/2020									
9/24/2020									
9/25/2020									
9/29/2020	0.00005	0.00005							
12/7/2020									
12/10/2020									
12/11/2020						0.22	0.064		
3/9/2021	0.000031					0.34	0.054		
3/10/2021									
6/14/2021	0.00005	0.00005				0.24	0.025		
6/15/2021									
9/20/2021	0.00005	0.00011				0.25	0.025		
9/21/2021									
9/22/2021									
9/23/2021									
9/24/2021									
12/6/2021	0.00005	0.00005							
3/14/2022	0.00005	0.00005				0.24	0.032		
3/15/2022									
6/9/2022	0.00005	0.00005				0.27	0.025		
6/10/2022									
6/14/2022						0.24			
5/30/2023	0.0000065	0.0000065		0.000495	0.000495				
6/1/2023	0.000016	0.0000065	59%	0.002	0.000495				
6/5/2023	0.000014	0.0000065	54%	0.000495	0.000495				
6/7/2023	0.0000065	0.0000065		0.000495	0.000495				
6/8/2023	0.0000065	0.0000065		0.000495	0.000495				
6/12/2023	0.0000065	0.0000065		0.000495	0.000495				
8/30/2023	0.0000065	0.0000065		0.000495	0.000495		0.092	0.0067	
8/31/2023									
Average	8.92857E-06	0.0000065		0.00071	0.000495		0.2794667	0.0290583	
Historical Average									
Maximum	0.000059	0.00011		0.002	0.000495		0.61	0.064	
Minimum	0.0000065	0.0000065		0.000495	0.000495		0.092	0.0067	
Standard Deviation									
Literature Removal Efficiencies									
Removal Efficiencies (%)	56.5%	Used in Calcs (%)	56.5%	30.3%	Used in Calcs (%)	30.3%	89.6%	Used in Calcs (%)	89.6%

Abbreviations:
mg/L - milligrams per liter.
Notes:
Values in italics were not used in calculations.
A light orange cell indicates a value that is a literature value.
Values in red are literature values.

Table D5. Domestic and Commercial Background Data Summary
Industrial Pretreatment Program: Local Limits Evaluation
City of Tolleson, AZ

Parameter	Units	Collection System Location						Average	Maximum	Minumum	Standard Deviation
		95th Ave & Harrison	91st Ave & Harrison	7B	7B #2	93rd Ave & Taylor	91st Ave & Harrison #2				
Biochemical Oxygen Demand (BOD)	mg/L	370	790	470	330	790	225	437.0000	790.0000	225.0000	215.975
Suspended Solids, Total (TSS)	mg/L	260	230	190	150	1900	200	206.0000	260.0000	150.0000	41.593
Antimony	mg/L	0.0014	0.00085	0.0016	0.0028	0.0039	0.00071	0.00147	0.00280	0.00071	0.00083
Arsenic	mg/L	0.0009	0.0025	0.00091	0.0012	0.0021	0.0013	0.00136	0.00250	0.00090	0.00066
Barium	mg/L	0.094	0.079	0.081	0.058	0.14	0.078	0.07800	0.09400	0.05800	0.01290
Beryllium	mg/L	<i>0.00025</i>	<i>0.000037</i>	<i>0.00011</i>	<i>0.000037</i>	0.000076	<i>0.000037</i>	0.00009	0.00025	0.00004	0.00009
Bis (2-ethylhexyl) phthalate	mg/L	0.023	0.012	<i>0.000325</i>	0.0075	0.038	0.0026	0.00909	0.02300	0.00033	0.00899
Boron	mg/L	0.79	0.3	0.59	0.53	0.27	0.24	0.49000	0.79000	0.24000	0.22372
Cadmium	mg/L	0.00064	0.000094	<i>0.000022</i>	0.00014	0.00056	0.00012	0.00020	0.00064	0.00002	0.00025
Chromium	mg/L	0.0024	0.026	0.005	0.0021	0.0078	0.0036	0.00782	0.02600	0.00210	0.01023
cis-1,2-Dichloroethylene	mg/L	<i>0.00031</i>	<i>0.00031</i>	<i>0.00031</i>	<i>0.00031</i>	<i>0.00031</i>	<i>0.00031</i>	0.00031	0.00031	0.00031	0.00000
Copper	mg/L	0.04	0.11	0.043	0.047	0.1	0.042	0.05640	0.11000	0.04000	0.03007
Cyanide	mg/L	<i>0.00195</i>	0.0076	<i>0.00195</i>	0.0042	<i>0.00195</i>	0.0048	0.00410	0.00760	0.00195	0.00234
Fluoride	mg/L	1.6	0.59	0.63	1	0.62	0.55	0.87400	1.60000	0.55000	0.44388
Iron	mg/L	1.1	8.1	0.54	0.59	4.2	0.95	2.25600	8.10000	0.54000	3.27546
Lead	mg/L	<i>0.00135</i>	<i>0.00135</i>	<i>0.00135</i>	<i>0.00135</i>	<i>0.00135</i>	<i>0.00135</i>	0.00135	0.00135	0.00135	0.00000
Mercury	mg/L	0.000019	0.0000358	0.00000547	0.0000144	0.000111	0.0000374	0.0000224	0.0000374	0.0000055	0.0000138
Molybdenum	mg/L	0.0025	0.0039	0.0048	0.0039	0.0041	0.002	0.00342	0.00480	0.00200	0.00114
Nickel	mg/L	<i>0.0026</i>	0.01	<i>0.0026</i>	<i>0.0026</i>	0.013	<i>0.0026</i>	0.00408	0.01000	0.00260	0.00331
Oil and Grease	mg/L	52.2	20.3	37.1	36.4	34.9	32.1	35.62000	52.20000	20.30000	11.45413
Selenium	mg/L	0.001	0.00081	0.0015	0.00096	0.0019	0.00093	0.00104	0.00150	0.00081	0.00027
Silver	mg/L	0.00043	0.0001	0.00023	0.00014	0.00092	0.00015	0.00021	0.00043	0.00010	0.00013
Styrene	mg/L	<i>0.000245</i>	<i>0.000245</i>	<i>0.000245</i>	<i>0.000245</i>	<i>0.000245</i>	<i>0.000245</i>	0.00025	0.00025	0.00025	0.00000
Thallium	mg/L	<i>0.0000405</i>	<i>0.0000065</i>	<i>0.0000405</i>	0.000018	0.00003	<i>0.0000065</i>	0.00002	0.00004	0.00001	0.00002
Xylenes (total)	mg/L	<i>0.000495</i>	<i>0.000495</i>	<i>0.000495</i>	<i>0.000495</i>	<i>0.000495</i>	<i>0.000495</i>	0.00050	0.00050	0.00050	0.00000
Zinc	mg/L	0.16	0.092	0.18	0.12	0.58	0.12	0.13440	0.18000	0.09200	0.03517

Abbreviations:

mg/L - milligrams per liter.

Notes:

Values in italics were nondetect and are reported at half the detection limit, or half the reporting limit if the detection limit is unavailable

A light orange cell indicates data points that are not used

Table D6. Domestic and Commercial Background Data Summary Industrial Pretreatment Program: Local Limits Evaluation City of Tolleson, AZ													
Parameter	Units	Collection System Location								Average	Maximum	Minumum	Standard Deviation
		Patricia Ct.	95th Ave	Tollesons Meadows	95th Ave #2	Tollesons Meadows #2	James Sherwood & Stanley Goff	Villa Rica	Tolleson Meadows #3				
Biochemical Oxygen Demand (BOD)	mg/L	200	310	420	400	130	220	290	330	287.5000	420.0000	130.0000	99.678
Suspended Solids, Total (TSS)	mg/L	280	170	130	230	96	55	84	180	153.1250	280.0000	55.0000	76.736

Abbreviations:
mg/L - milligrams per liter.

Appendix E: MAHL and MAIL Calculations



Table E1. Maximum Allowable Headworks Loading Analysis for City of Tolleson Wastewater Treatment Plant**Industrial Pretreatment Program: Local Limits Evaluation
Tolleson, AZ**

WWTP Name:	City of Tolleson Wastewater Treatment Plant
Date:	
Average WWTP Flow (mgd):	5.73
Total Actual Industrial Flow (mgd):	1.05
Septic/Hauled Waste Flow (mgd):	0.00
Domestic/Commercial Flow (mgd):	4.68
Sludge Flow to Digester (mgd):	0.02
Dry Sludge to Disposal (metric tons/day):	2.03
AZPDES Permit Number:	AZ0020338
AZPDES Permitted Discharge (mgd):	17.5
Receiving Stream:	Salt River (From City of Phoenix - 23rd Ave WWTP outfall to confluence with Gila River), Middle Gila River Basin
Stream Flow (mgd) ^a :	0
Stream Classification:	Aquatic and Wildlife effluent dependent water (A&Wedw), Partial Body Contact (PBC), Fish Consumption (FC), Agricultural Irrigation (Agl), Agricultural Livestock watering
Safety (10) and Growth Factor (0)(%) ^b :	10

^a Receiving stream is ephemeral prior to discharge.

^b Safety factor for BOD and TSS is 5%.

Table E2. Local Limits Determination Based on Design Criteria for City of Tolleson Wastewater Treatment Plant Industrial Pretreatment Program: Local Limits Evaluation Tolleson, AZ												
Pollutant	IU Flow (mgd) (Q _{IND})	WWTP Flow (mgd) (Q _{WWTP})	Septic/Hauled Waste Flow (mgd) (Q _{HW})	Septic/Hauled Waste Conc. (mg/L) (C _{HW})	Domestic & Commercial Flow (mgd) (Q _{UNC})	Domestic & Commercial Bkgd Conc. (mg/L) (C _{UNC})	Design Criteria (lb/day) (L _{DC})	Allowable Headworks Loading (lb/day) (AHL _{DESIGN})	Domestic & Commercial Loading (lb/day) (L _{UNC})	Allowable Industrial Loading (lb/day) (AIL _{DESIGN})	Industrial Local Limit (mg/L) (C _{LIM-DESIGN})	Safety and Growth Factor (%) (SGF)
Ammonia (as N)	1.1	5.7	0		4.7	35.000	2,889	2889	1,365	1,235	140	10
Biochemical Oxygen Demand (BOD)	1.1	5.7	0		4.7	287.50	40,650	40650	11,210	27,407	3116	5
Suspended Solids, Total (TSS)	1.1	5.7	0		4.7	153.13	29,633	29633	5,971	22,181	2522	5
Antimony	1.1	5.7	0		4.7	0.0015		----	0.057	-----	-----	10
Arsenic	1.1	5.7	0		4.7	0.0014		----	0.053	-----	-----	10
Barium	1.1	5.7	0		4.7	0.0780		----	3.041	-----	-----	10
Beryllium	1.1	5.7	0		4.7	0.0001		----	0.004	-----	-----	10
Bis (2-ethylhexyl) phthalate	1.1	5.7	0		4.7	0.0091		----	0.354	-----	-----	10
Boron	1.1	5.7	0		4.7	0.4900		----	19.106	-----	-----	10
Cadmium	1.1	5.7	0		4.7	0.0002		----	0.008	-----	-----	10
Chromium	1.1	5.7	0		4.7	0.0078		----	0.305	-----	-----	10
Copper	1.1	5.7	0		4.7	0.0564		----	2.199	-----	-----	10
Cyanide	1.1	5.7	0		4.7	0.0041		----	0.160	-----	-----	10
Fluoride	1.1	5.7	0		4.7	0.8740		----	34.079	-----	-----	10
Iron	1.1	5.7	0		4.7	2.2560		----	87.965	-----	-----	10
Lead	1.1	5.7	0		4.7	0.0014		----	0.053	-----	-----	10
Mercury	1.1	5.7	0		4.7	0.0000		----	0.001	-----	-----	10
Molybdenum	1.1	5.7	0		4.7	0.0034		----	0.133	-----	-----	10
Nickel	1.1	5.7	0		4.7	0.0041		----	0.159	-----	-----	10
Oil and Grease	1.1	5.7	0		4.7	35.620		----	1,388.882	-----	-----	10
Selenium	1.1	5.7	0		4.7	0.0010		----	0.041	-----	-----	10
Silver	1.1	5.7	0		4.7	0.0002		----	0.008	-----	-----	10
Thallium	1.1	5.7	0		4.7	0.0000		----	0.001	-----	-----	10
Zinc	1.1	5.7	0		4.7	0.1344		----	5.240	-----	-----	10

(Q _{IND})	Industrial flow in mgd.	(L _{UNC})	Domestic/commercial loading in lb/day.
(Q _{WWTP})	WWTP's average flow in mgd.	(L _{HW})	Septic/hauled waste loading in lb/day.
(Q _{DOM})	Domestic/commercial background flow in mgd.	(AIL _{DESIGN})	Allowable industrial loading to the WWTP in lb/day.
(Q _{HW})	Septic/hauled waste flow in mgd.	(C _{LIM-DESIGN})	Local limits for industrial users in mg/L.
(C _{DOM})	Domestic/commercial background concentrations in mg/L.	(SGF)	Safety and growth factor as a percent.
(C _{HW})	Septic/hauled waste concentrations in mg/L.	8.34	Unit conversion factor.
(L _{DC})	The pollutant loading the WWTP is designed to treat in lb/day.		

Table E3. Local Limits Determination Based on Permit Limits for City of Tolleson Wastewater Treatment Plant																
Industrial Pretreatment Program: Local Limits Evaluation																
Tolleson, AZ																
Pollutant	IU Flow (mgd)	WWTP Flow (mgd)	WWTP Permitted Flow (mgd)	Domestic & Commercial Flow (mgd)	Septic/Hauled Waste Flow (mgd)	Average Influent Pollutant Conc. ^a (mg/L)	Domestic & Commercial Bkgd Conc. ^a (mg/L)	Septic/Hauled Waste Conc. ^{a,b} (mg/L)	Removal Efficiency ^a (%)	Permit Limit for Discharge (mg/L)	Allowable Headworks Loading (lb/day)	Domestic & Commercial Loading (lb/day)	Septic/Hauled Waste Loading (lb/day)	Allowable Industrial Loading (lb/day)	Industrial Local Limit (mg/L)	Safety and Growth Factor (%)
	(Q _{IND})	(Q _{WWTP})	(Q _{NPDES})	(Q _{UNC})	(Q _{HW})	(C _{INFL})	(C _{UNC})	(C _{HW})	(R _{WWTP})	(C _{NPDES})	(AHL _{NPDES})	(L _{UNC})	(L _{HW})	(AIL _{NPDES})	(C _{LIM-NPDES})	(SGF)
Ammonia (as N)	1.05	5.7	17.5	4.68	0	34.8	35.000		96.9%		-----	1,364.7075	0	-----	-	10
Biochemical Oxygen Demand (BOD)	1.1	5.7	17.5	4.7	0	829.9	287.500		98.4%	30	91555.6	11,210.0975	0	75767.7599	8613.3432	5
Suspended Solids, Total (TSS)	1.1	5.7	17.5	4.7	0	483.6	153.125		97.1%	30	49431.8	5,970.5954	0	40989.6186	4659.7346	5
Antimony	1.1	5.7	17.5	4.7	0	0.0019	0.001		70.8%	0.006	0.9831	0.0574	0	0.8274	0.0941	10
Arsenic	1.1	5.7	17.5	4.7	0	0.0031	0.001		14.6%	0.050	2.7983	0.0531	0	2.4653	0.2803	10
Barium	1.1	5.7	17.5	4.7	0	0.1150	0.078		61.1%	2.000	245.8115	3.0413	0	218.1890	24.8039	10
Beryllium	1.1	5.7	17.5	4.7	0	0.0004	0.0001		9.69%	0.004	0.2117	0.0037	0	0.1868	0.0212	10
Bis (2-ethylhexyl) phthalate	1.1	5.7	17.5	4.7	0	0.0054	0.009		86.6%	0.003	1.0734	0.3542	0	0.6118	0.0696	10
Boron	1.1	5.7	17.5	4.7	0	0.4133	0.490		8.58%	1	52.2749	19.1059	0	27.9415	3.1764	10
Cadmium	1.1	5.7	17.5	4.7	0	0.0002	0.000		88.3%	0.005	2.0481	0.0079	0	1.8353	0.2086	10
Chromium	1.1	5.7	17.5	4.7	0	0.0108	0.008		59.9%	0.100	11.9185	0.3049	0	10.4217	1.1847	10
Copper	1.1	5.7	17.5	4.7	0	0.0896	0.056		92.2%	0.019	11.6637	2.1991	0	8.2982	0.9434	10
Cyanide	1.1	5.7	17.5	4.7	0	0.0050	0.004		0%	0.008	0.3827	0.1599	0	0.1846	0.0210	10
Fluoride	1.1	5.7	17.5	4.7	0	4.8700	0.874		86.5%	4	1413.5356	34.0787	0	1238.1033	140.7486	10
Iron	1.1	5.7	17.5	4.7	0	1.6571	2.256		84.5%	0.819	252.2261	87.9651	0	139.0384	15.8060	10
Lead	1.1	5.7	17.5	4.7	0	0.0075	0.001		55.0%	0.050	5.3098	0.0526	0	4.7262	0.5373	10
Mercury	1.1	5.7	17.5	4.7	0	0.000008	0.00002		41.9%	0.00001	0.0008	0.0009	0	-0.0001	0.0000	10
Molybdenum	1.1	5.7	17.5	4.7	0	0.0391	0.003		63.1%		-----	0.1334	0	-----	-	10
Nickel	1.1	5.7	17.5	4.7	0	0.0057	0.004		29.0%	0.100	6.7307	0.1591	0	5.8986	0.6706	10
Oil and Grease	1.1	5.7	17.5	4.7	0	56.2385	35.620		95.3%	10	10106.9687	1,388.8823	0	7707.3894	876.1826	10
Selenium	1.1	5.7	17.5	4.7	0	0.0023	0.001		66.6%	0.002	0.2862	0.0406	0	0.2171	0.0247	10
Silver	1.1	5.7	17.5	4.7	0	0.0001	0.000		46.5%		-----	0.0082	0	-----	-	10
Thallium	1.1	5.7	17.5	4.7	0	0.00001	0.000		56.5%	0.002	0.2196	0.0009	0	0.1967	0.0224	10
Zinc	1.1	5.7	17.5	4.7	0	0.2795	0.134		89.6%		-----	5.2405	0	-----	-	10

^a Pollutant concentrations in italics are non-detect (reported as 1/2 reporting limit). Values in red are literature values.

^b Values in red are literature values from Appendix L from the USEPA Local Limits Development Guidance Document Appendices.

(Q _{IND})	Industrial flow in mgd.	(R _{WWTP})	Removal efficiency across WWTP as a percent.	(SGF)	Safety and growth factor as a percent.
(Q _{WWTP})	WWTP's average flow in mgd.	(C _{NPDES})	NPDES monthly average permit limit in mg/L.	8.34	Unit conversion factor.
(Q _{DOM})	Domestic/commercial background flow in mgd.	(AHL _{NPDES})	Allowable headworks pollutant loading to the WWTP in lb/day.	(Q _{NPDES})	WWTP's permitted flow in mgd.
(Q _{HW})	Septic/hauled waste flow in mgd.	(L _{UNC})	Domestic/commercial loading in lb/day.		
(C _{DOM})	Domestic/commercial background concentrations in mg/L.	(L _{HW})	Septic/hauled waste loading in lb/day.		
(C _{HW})	Septic/hauled waste concentrations in mg/L.	(AIL _{NPDES})	Allowable industrial loading to the WRF in lb/day.		
(C _{INFL})	Influent pollutant concentration in mg/L.	(C _{LIM-NPDES})	Local limits for industrial users in mg/L.		

Table E4. Local Limits Determination Based on Trickling Filter Inhibition Threshold Levels for City of Tolleson Wastewater Treatment Plant														
Industrial Pretreatment Program: Local Limits Evaluation														
Tolleson, AZ														
Pollutant	IU Flow (mgd)	WWTP Flow (mgd)	Domestic & Commercial Flow (mgd)	Domestic & Commercial Bkgd Conc. ^a (mg/L)	Septic/Hauled Waste Flow (mgd)	Septic/Hauled Waste Conc. ^a (mg/L)	Removal Efficiency ^a (%)	Trickling Filter Inhibition Level (mg/L)	Allowable Headworks Loading (lb/day)	Domestic & Commercial Loading (lb/day)	Septic/Hauled Waste Loading (lb/day)	Allowable Industrial Loading (lb/day)	Industrial Local Limit (mg/L)	Safety and Growth Factor (%)
	(Q _{IND})	(Q _{WWTP})	(Q _{UNC})	(C _{UNC})	(Q _{HW})	(C _{HW})	(R _{PRIM})	(C _{INHIB1})	(AHL _{INHIB1})	(L _{UNC})	(L _{HW})	(AIL _{INHIB1})	(C _{LIM-INHIB1})	(SGF)
Ammonia (as N)	1.1	5.7	4.7	35.000	0				-----	1,364.708	0	-----	-----	10
Biochemical Oxygen Demand (BOD)	1.1	5.7	4.7	287.50	0				-----	11,210.098	0	-----	-----	5
Suspended Solids, Total (TSS)	1.1	5.7	4.7	153.13	0				-----	5,970.595	0	-----	-----	5
Antimony	1.1	5.7	4.7	0.0015	0				-----	0.057	0	-----	-----	10
Arsenic	1.1	5.7	4.7	0.0014	0				-----	0.053	0	-----	-----	10
Barium	1.1	5.7	4.7	0.0780	0				-----	3.041	0	-----	-----	10
Beryllium	1.1	5.7	4.7	0.0001	0				-----	0.004	0	-----	-----	10
Bis (2-ethylhexyl) phthalate	1.1	5.7	4.7	0.0091	0				-----	0.354	0	-----	-----	10
Boron	1.1	5.7	4.7	0.4900	0				-----	19.106	0	-----	-----	10
Cadmium	1.1	5.7	4.7	0.0002	0		15		-----	0.008	0	-----	-----	10
Chromium	1.1	5.7	4.7	0.0078	0		27		-----	0.305	0	-----	-----	10
Copper	1.1	5.7	4.7	0.0564	0		22		-----	2.199	0	-----	-----	10
Cyanide	1.1	5.7	4.7	0.0041	0		27	30	1,964	0.160	0	1,767	201	10
Fluoride	1.1	5.7	4.7	0.8740	0				-----	34.079	0	-----	-----	10
Iron	1.1	5.7	4.7	2.2560	0				-----	87.965	0	-----	-----	10
Lead	1.1	5.7	4.7	0.0014	0		57		-----	0.053	0	-----	-----	10
Mercury	1.1	5.7	4.7	0.0000	0		10		-----	0.001	0	-----	-----	10
Molybdenum	1.1	5.7	4.7	0.0034	0				-----	0.133	0	-----	-----	10
Nickel	1.1	5.7	4.7	0.0041	0		14		-----	0.159	0	-----	-----	10
Oil and Grease	1.1	5.7	4.7	35.620	0				-----	1,388.882	0	-----	-----	10
Selenium	1.1	5.7	4.7	0.0010	0				-----	0.041	0	-----	-----	10
Silver	1.1	5.7	4.7	0.0002	0		20		-----	0.008	0	-----	-----	10
Thallium	1.1	5.7	4.7	0.0000	0				-----	0.001	0	-----	-----	10
Zinc	1.1	5.7	4.7	0.1344	0		27		-----	5.240	0	-----	-----	10

^a Pollutant concentrations in italics are non-detect (reported as 1/2 reporting limit). Values in red are literature values.

(Q _{IND})	Industrial flow in mgd.	(AHL _{INHIB1})	Allowable headworks pollutant loading †
(Q _{WWTP})	WWTP's average flow in mgd.	(L _{UNC})	Domestic/commercial loading in lb/day.
(Q _{DOM})	Domestic/commercial background flow in mgd.	(L _{HW})	Septic/hauled waste loading in lb/day.
(Q _{HW})	Septic/hauled waste flow in mgd.	(AIL _{INHIB1})	Allowable industrial loading to the WWTP in lb/day.
(C _{DOM})	Domestic/commercial background concentrations in mg/L.	(C _{LIM-INHIB1})	Local limits for industrial users in mg/L.
(C _{HW})	Septic/hauled waste concentrations in mg/L.	(SGF)	Safety and growth factor as a percent.
(R _{PRIM})	Removal efficiency after primary treatment as a percent.	8.34	Unit conversion factor.
(C _{INHIB1})	Trickling filter treatment inhibition threshold level for a particular pollutant in mg/L.		

Table E5. Local Limits Determination Based on Nitrification Inhibition Threshold Levels for City of Tolleson Wastewater Treatment Plant														
Industrial Pretreatment Program: Local Limits Evaluation														
Tolleson, AZ														
Pollutant	IU Flow (mgd)	WWTP Flow (mgd)	Domestic & Commercial Flow (mgd)	Domestic & Commercial Bkgd Conc. ^a (mg/L)	Septic/Hauled Waste Flow (mgd)	Septic/Hauled Waste Conc. ^a (mg/L)	Removal Efficiency ^a (%)	Nitrification Inhibition Level (mg/L)	Allowable Headworks Loading (lb/day)	Domestic & Commercial Loading (lb/day)	Septic/Hauled Waste Loading (lb/day)	Allowable Industrial Loading (lb/day)	Industrial Local Limit (mg/L)	Safety and Growth Factor (%)
	(Q _{IND})	(Q _{WWTP})	(Q _{UNC})	(C _{UNC})	(Q _{HW})	(C _{HW})	(R _{PRIM})	(C _{INHIB2})	(AHL _{INHIB2})	(L _{UNC})	(L _{HW})	(AIL _{INHIB2})	(C _{LIM-INHIB2})	(SGF)
Ammonia (as N)	1.1	5.7	4.7	35.000	0				----	1,364.7	0	----	----	10
Biochemical Oxygen Demand (BOD)	1.1	5.7	4.7	287.50	0				----	11,210	0	----	----	5
Suspended Solids, Total (TSS)	1.1	5.7	4.7	153.13	0				----	5,970.6	0	----	----	5
Antimony	1.1	5.7	4.7	0.0015	0				----	0.0574	0	----	----	10
Arsenic	1.1	5.7	4.7	0.0014	0			1.5	72	0.0531	0	64	7.328	10
Barium	1.1	5.7	4.7	0.0780	0				----	3.0413	0	----	----	10
Beryllium	1.1	5.7	4.7	0.0001	0				----	0.0037	0	----	----	10
Bis (2-ethylhexyl) phthalate	1.1	5.7	4.7	0.0091	0				----	0.3542	0	----	----	10
Boron	1.1	5.7	4.7	0.4900	0				----	19.106	0	----	----	10
Cadmium	1.1	5.7	4.7	0.0002	0		15	5.2	292	0.0079	0	263	29.91	10
Chromium	1.1	5.7	4.7	0.0078	0		27	50.5	3,306	0.3049	0	2,975	338.2	10
Copper	1.1	5.7	4.7	0.0564	0		22	0.265	16	2.1991	0	12	1.411	10
Cyanide	1.1	5.7	4.7	0.0041	0		27	0.42	27	0.1599	0	25	2.795	10
Fluoride	1.1	5.7	4.7	0.8740	0				----	34.079	0	----	----	10
Iron	1.1	5.7	4.7	2.2560	0				----	87.965	0	----	----	10
Lead	1.1	5.7	4.7	0.0014	0		57	0.5	56	0.0526	0	50	5.679	10
Mercury	1.1	5.7	4.7	0.0000	0		10		----	0.0009	0	----	----	10
Molybdenum	1.1	5.7	4.7	0.0034	0				----	0.1334	0	----	----	10
Nickel	1.1	5.7	4.7	0.0041	0		14	0.375	21	0.1591	0	19	2.114	10
Oil and Grease	1.1	5.7	4.7	35.620	0				----	1,388.9	0	----	----	10
Selenium	1.1	5.7	4.7	0.0010	0				----	0.0406	0	----	----	10
Silver	1.1	5.7	4.7	0.0002	0		20		----	0.0082	0	----	----	10
Thallium	1.1	5.7	4.7	0.0000	0				----	0.0009	0	----	----	10
Zinc	1.1	5.7	4.7	0.1344	0		27	0.29	19	5.2405	0	12	1.347	10

^a Pollutant concentrations in italics are non-detect (reported as 1/2 reporting limit). Values in red are literature values.

(Q _{IND})	Industrial flow in mgd.	(AHL _{INHIB2})	Allowable headworks pollutant loading ¹
(Q _{WWTP})	WWTP's average flow in mgd.	(L _{UNC})	Domestic/commercial loading in lb/day.
(Q _{DOM})	Domestic/commercial background flow in mgd.	(L _{HW})	Septic/hauled waste loading in lb/day.
(Q _{HW})	Septic/hauled waste flow in mgd.	(AIL _{INHIB2})	Allowable industrial loading to the WWTP in lb/day.
(C _{DOM})	Domestic/commercial background concentrations in mg/L.	(C _{LIM-INHIB2})	Local limits for industrial users in mg/L.
(C _{HW})	Septic/hauled waste concentrations in mg/L.	(SGF)	Safety and growth factor as a percent.
(R _{PRIM})	Removal efficiency after primary treatment as a percent.	8.34	Unit conversion factor.
(C _{INHIB2})	Nitrification inhibition threshold level for a particular pollutant in mg/L.		

Table E6. Local Limits Determination Based on Anaerobic Digestion Inhibition Threshold Levels for City of Tolleson Wastewater Treatment Plant6															
Industrial Pretreatment Program: Local Limits Evaluation															
Tolleson, AZ															
Pollutant	IU Flow (mgd)	WWTP Flow (mgd)	Domestic & Commercial Flow (mgd)	Domestic & Commercial Bkgd Conc. ^a (mg/L)	Septic/Hauled Waste Flow (mgd)	Septic/Hauled Waste Conc. ^a (mg/L)	Sludge to Digester (MGD)	Removal Efficiency ^a (%)	Anaerobic Digestion Inhibition Level (mg/L) (C _{INHIB3})	Allowable Headworks Loading (lb/day) (AHL _{INHIB3})	Domestic & Commercial Loading (lb/day) (L _{UNC})	Septic/Hauled Waste Loading (lb/day) (L _{HW})	Allowable Industrial Loading (lb/day) (AIL _{INHIB3})	Industrial Local Limit (mg/L) (C _{LIM-INHIB3})	Safety and Growth Factor (%) (SGF)
Ammonia (as N)	1.1	5.7	4.7	35.000	0		0.02	97%	4750	-----	1,365	0	-----	-----	10
Biochemical Oxygen Demand (BOD)	1.1	5.7	4.7	287.50	0		0.02	98%		-----	11,210	0	-----	-----	5
Suspended Solids, Total (TSS)	1.1	5.7	4.7	153.13	0		0.02	97%		-----	5,971	0	-----	-----	5
Antimony	1.1	5.7	4.7	0.0015	0		0.02	71%		-----	0.057	0	-----	-----	10
Arsenic	1.1	5.7	4.7	0.0014	0		0.02	15%	1.6	2	0.053	0	2	0.181	10
Barium	1.1	5.7	4.7	0.0780	0		0.02	61%		-----	3.041	0	-----	-----	10
Beryllium	1.1	5.7	4.7	0.0001	0		0.02	10%		-----	0.004	0	-----	-----	10
Bis (2-ethylhexyl) phthalate	1.1	5.7	4.7	0.0091	0		0.02	87%		-----	0.354	0	-----	-----	10
Boron	1.1	5.7	4.7	0.4900	0		0.02	9%		-----	19.11	0	-----	-----	10
Cadmium	1.1	5.7	4.7	0.0002	0		0.02	88%	20	4	0.008	0	3	0.385	10
Chromium	1.1	5.7	4.7	0.0078	0		0.02	60%		-----	0.305	0	-----	-----	10
Copper	1.1	5.7	4.7	0.0564	0		0.02	92%	40	7	2.199	0	4	0.490	10
Cyanide	1.1	5.7	4.7	0.0041	0		0.02	0%	50.5	8,423	0.160	0	7,581	861.8	10
Fluoride	1.1	5.7	4.7	0.8740	0		0.02	86%		-----	34.08	0	-----	-----	10
Iron	1.1	5.7	4.7	2.2560	0		0.02	84%		-----	87.97	0	-----	-----	10
Lead	1.1	5.7	4.7	0.0014	0		0.02	55%	340	103	0.053	0	93	10.54	10
Mercury	1.1	5.7	4.7	0.0000	0		0.02	42%		-----	0.001	0	-----	-----	10
Molybdenum	1.1	5.7	4.7	0.0034	0		0.02	63%		-----	0.133	0	-----	-----	10
Nickel	1.1	5.7	4.7	0.0041	0		0.02	29%	73	42	0.159	0	38	4.278	10
Oil and Grease	1.1	5.7	4.7	35.620	0		0.02	95%		-----	1,389	0	-----	-----	10
Selenium	1.1	5.7	4.7	0.0010	0		0.02	67%		-----	0.041	0	-----	-----	10
Silver	1.1	5.7	4.7	0.0002	0		0.02	47%	39	14	0.008	0	13	1.429	10
Thallium	1.1	5.7	4.7	0.0000	0		0.02	56%		-----	0.001	0	-----	-----	10
Zinc	1.1	5.7	4.7	0.1344	0		0.02	90%	400	74	5.240	0	62	7.023	10

^a Pollutant concentrations in italics are non-detect (reported as 1/2 reporting limit). Values in red are literature values.

(Q _{IND})	Industrial flow in mgd.	(AHL _{INHIB3})	Allowable headworks pollutant loading to the WWTP in lb/da
(Q _{WWTP})	WWTP's average flow in mgd.	(L _{UNC})	Domestic/commercial loading in lb/day.
(Q _{DOM})	Domestic/commercial background flow in mgd.	(L _{HW})	Septic/hauled waste loading in lb/day.
(Q _{HW})	Septic/hauled waste flow in mgd.	(AIL _{INHIB3})	Allowable industrial loading to the WWTP in lb/day.
(C _{DOM})	Domestic/commercial background concentrations in mg/L.	(C _{LIM-INHIB3})	Local limits for industrial users in mg/L.
(C _{HW})	Septic/hauled waste concentrations in mg/L.	(SGF)	Safety and growth factor as a percent.
(R _{WWTP})	Removal efficiency across WWTP as a percent.	8.34	Unit conversion factor.
(C _{INHIB3})	Anaerobic digestion inhibition threshold level for a particular pollutant in mg/L.		

Table E7. Local Limits Determination Based on Sludge Disposal for City of Tolleson Wastewater Treatment Plant Industrial Pretreatment Program: Local Limits Evaluation Tolleson, AZ															
Pollutant	IU Flow (mgd) (Q _{IND})	WWTP Flow (mgd) (Q _{WWTP})	Domestic & Commercial Flow (mgd) (Q _{UNC})	Domestic & Commercial Bkgd Conc. ^a (mg/L) (C _{UNC})	Septic/Hauled Waste Flow (mgd) (Q _{HW})	Septic/Hauled Waste Conc. ^a (mg/L) (C _{HW})	Sludge to Disposal (dry metric tons/ day) (Q _{SLUDGE})	Removal Efficiency ^a (%) (R _{WWTP})	Sludge Criteria (mg/kg) (C _{SLUDGE})	Allowable Headworks Loading (lbs/day) (AHL _{SLUDGE})	Domestic & Commercial Loading (lbs/day) (L _{UNC})	Septic/Hauled Waste Loading (lbs/day) (L _{HW})	Allowable Industrial Loading (lbs/day) (AIL _{SLUDGE})	Industrial Local Limit (mg/L) (C _{LIM-SLUDGE})	Safety and Growth Factor (%) (SGF)
Ammonia (as N)	1.1	5.7	4.7	35.00	0		2.0	96.9%		-----	1,364.708	0	-----	-----	10
Biochemical Oxygen Demand (BOD)	1.1	5.7	4.7	287.5	0		2.0	98.4%		-----	11,210.098	0	-----	-----	5
Suspended Solids, Total (TSS)	1.1	5.7	4.7	153.1	0		2.0	97.1%		-----	5,970.595	0	-----	-----	5
Antimony	1.1	5.7	4.7	0.001	0		2.0	70.8%		-----	0.057	0	-----	-----	10
Arsenic	1.1	5.7	4.7	0.001	0		2.0	14.6%	41	1.25	0.053	0	1.075	0.122	10
Barium	1.1	5.7	4.7	0.078	0		2.0	61.1%		-----	3.041	0	-----	-----	10
Beryllium	1.1	5.7	4.7	0.000	0		2.0	9.69%		-----	0.004	0	-----	-----	10
Bis (2-ethylhexyl) phthalate	1.1	5.7	4.7	0.009	0		2.0	86.6%		-----	0.354	0	-----	-----	10
Boron	1.1	5.7	4.7	0.490	0		2.0	8.58%		-----	19.106	0	-----	-----	10
Cadmium	1.1	5.7	4.7	0.000	0		2.0	88.3%	39	0.20	0.008	0	0.170	0.019	10
Chromium	1.1	5.7	4.7	0.008	0		2.0	59.9%	3000	22.37	0.305	0	19.824	2.254	10
Copper	1.1	5.7	4.7	0.056	0		2.0	92.2%	1500	7.26	2.199	0	4.339	0.493	10
Cyanide	1.1	5.7	4.7	0.004	0		2.0	0.10%		-----	0.160	0	-----	-----	10
Fluoride	1.1	5.7	4.7	0.874	0		2.0	86.5%		-----	34.079	0	-----	-----	10
Iron	1.1	5.7	4.7	2.256	0		2.0	84.5%		-----	87.965	0	-----	-----	10
Lead	1.1	5.7	4.7	0.0014	0		2.0	55.0%	300	2.44	0.053	0	2.140	0.243	10
Mercury	1.1	5.7	4.7	<i>0.000</i>	0		2.0	41.9%	17	0.18	0.001	0	0.162	0.018	10
Molybdenum	1.1	5.7	4.7	0.003	0		2.0	63.1%	75	0.53	0.133	0	0.344	0.039	10
Nickel	1.1	5.7	4.7	0.004	0		2.0	29.0%	420	6.47	0.159	0	5.662	0.644	10
Oil and Grease	1.1	5.7	4.7	<i>35.62</i>	0		2.0			-----	1,388.882	0	-----	-----	10
Selenium	1.1	5.7	4.7	0.00104	0		2.0	66.6%	100	0.67	0.041	0	0.563	0.064	10
Silver	1.1	5.7	4.7	0.0002	0		2.0	46.5%		-----	0.008	0	-----	-----	10
Thallium	1.1	5.7	4.7	0.00002	0		2.0			-----	0.001	0	-----	-----	10
Zinc	1.1	5.7	4.7	0.134	0		2.0	89.6%	2800	13.96	5.240	0	7.320	0.832	10

^a Polluant concentrations in italics are non-detect (reported as 1/2 reporting limit).

(Q _{IND})	Industrial flow in mgd.	(Q _{SLUDGE})	Dry sludge to disposal in dry metric tons per day.
(Q _{WWTP})	WWTP's average flow in mgd.	(AHL _{SLUDGE})	Allowable headworks pollutant loading to the WWTP in lbs/day.
(Q _{DOM})	Domestic/commercial background flow in mgd.	(L _{UNC})	Domestic/commercial loading in lbs/day.
(Q _{HW})	Septic/hauled waste flow in mgd.	(L _{HW})	Septic/hauled waste loading in lbs/day.
(C _{DOM})	Domestic/commercial background concentrations in mg/L.	(AIL _{SLUDGE})	Allowable industrial loading to the WWTP in lbs/day.
(C _{HW})	Septic/hauled waste concentrations in mg/L.	(C _{LIM-SLUDGE})	Local limits for industrial users in mg/L.
(R _{WWTP})	Removal efficiency across WWTP as a percent.	(SGF)	Safety and growth factor as a percent.
(C _{SLUDGE})	Sludge criteria for a particular pollutant in mg/kg.	8.34	Unit conversion factor.

Table E8. Local Limits Determination Based on Water Quality Standards for City of Tolleson Wastewater Treatment Plant																
Industrial Pretreatment Program: Local Limits Evaluation																
Tolleson, AZ																
Pollutant	IU Flow (mgd)	WWTP Flow (mgd)	Domestic & Commercial Flow (mgd)	Domestic & Commercial Bkgd Conc. (mg/L)	Septic/Hauled Waste Flow (mgd)	Septic/Hauled Waste Conc. (mg/L)	Removal Efficiency (%)	Stream Flow (mgd)	Upstream Conc. (mg/L)	WQS (mg/L)	Allowable Headworks Loa	Domestic & Commercial Loading (lb/day)	Septic/Hauled Waste Loading (lb/day)	Allowable Industrial Loading (lb/day)	Industrial Local Limit (mg/L)	Safety and Growth Factor (%)
	(Q _{IND})	(Q _{WWTP})	(Q _{UNC})	(C _{UNC})	(Q _{HW})	(C _{HW})	(R _{WWTP})	(Q _{STR})	(C _{STR})	(C _{WQS})	(AHL _{WQS})	(L _{UNC})	(L _{HW})	(AIL _{WQS})	(C _{LIM-WQS})	(SGF)
Ammonia (as N)	1.1	5.7	4.7	35.0	0		97%	0		2.227	3,380	1,364.708	0	1,677.581	190.709	10
Biochemical Oxygen Demand (BOD)	1.1	5.7	4.7	287.5	0		98%	0		-	----	11,210.098	0	----	----	5
Suspended Solids, Total (TSS)	1.1	5.7	4.7	153.1	0		97%	0		-	----	5,970.595	0	----	----	5
Antimony	1.1	5.7	4.7	0.0	0		71%	0		0.600	98	0.057	0	88.419	10.052	10
Arsenic	1.1	5.7	4.7	0.0	0		15%	0		0.080	4	0.053	0	3.976	0.452	10
Barium	1.1	5.7	4.7	0.1	0		61%	0		98.000	12,045	3.041	0	10,837.246	1,231.987	10
Beryllium	1.1	5.7	4.7	0.0	0		10%	0		0.005	0	0.004	0	0.249	0.028	10
Bis (2-ethylhexyl) phthalate	1.1	5.7	4.7	0.0	0		87%	0		0.003	1	0.354	0	0.612	0.070	10
Boron	1.1	5.7	4.7	0.5	0		9%	0		1.000	52	19.106	0	27.942	3.176	10
Cadmium	1.1	5.7	4.7	0.0	0		88%	0		0.002	1	0.008	0	0.582	0.066	10
Chromium	1.1	5.7	4.7	0.0	0		60%	0		1.000	119	0.305	0	106.961	12.159	10
Copper	1.1	5.7	4.7	0.1	0		92%	0		0.023	14	2.199	0	10.287	1.169	10
Cyanide	1.1	5.7	4.7	0.0	0		0%	0		0.010	0	0.160	0	0.258	0.029	10
Fluoride	1.1	5.7	4.7	0.9	0		86%	0		140.000	49,474	34.079	0	44,492.292	5,057.921	10
Iron	1.1	5.7	4.7	2.3	0		84%	0		1.000	308	87.965	0	189.206	21.509	10
Lead	1.1	5.7	4.7	0.0	0		55%	0		0.008	1	0.053	0	0.712	0.081	10
Mercury	1.1	5.7	4.7	0.0	0		42%	0		0.000	0	0.001	0	-0.00013	-0.00002	10
Molybdenum	1.1	5.7	4.7	0.0	0		63%	0		-	----	0.133	0	----	----	10
Nickel	1.1	5.7	4.7	0.0	0		29%	0		0.130	9	0.159	0	7.728	0.879	10
Oil and Grease	1.1	5.7	4.7	35.6	0		95%	0		-	----	1,388.882	0	----	----	10
Selenium	1.1	5.7	4.7	0.0	0		67%	0		0.002	0	0.041	0	0.217	0.025	10
Silver	1.1	5.7	4.7	0.0	0		47%	0		0.021	2	0.008	0	1.665	0.189	10
Thallium	1.1	5.7	4.7	0.0	0		56%	0		0.007	1	0.001	0	0.711	0.081	10
Zinc	1.1	5.7	4.7	0.1	0		90%	0		0.294	135	5.240	0	116.328	13.224	10

(Q _{IND})	Industrial flow in mgd.	(C _{WQS})	Water quality standard for a particular pollutant in mg/L.
(Q _{WWTP})	WWTP's average flow in mgd.	(AHL _{WQS})	Allowable headworks pollutant loading to the WWTP in lb/day.
(Q _{DOM})	Domestic/commercial background flow in mgd.	(L _{UNC})	Domestic/commercial loading in lb/day.
(Q _{HW})	Septic/hauled waste flow in mgd.	(L _{HW})	Septic/hauled waste loading in lb/day.
(C _{DOM})	Domestic/commercial background concentrations in mg/L.	(AIL _{WQS})	Allowable industrial loading to the WWTP in lb/day.
(C _{HW})	Septic/hauled waste concentrations in mg/L.	(C _{LIM-WQS})	Local limits for industrial users in mg/L.
(Q _{STR})	Receiving stream flow in mgd.	(SGF)	Safety and growth factor as a percent.
(R _{WWTP})	Removal efficiency across WWTP as a percent.	8.34	Unit conversion factor.
(C _{STR})	Receiving stream background level, where available, in mg/L.		

Table E9. Summary of Allowable Headworks Loadings (AHLs) for City of Tolleson Wastewater Treatment Plan
Industrial Pretreatment Program: Local Limits Evaluation
Tolleson, AZ

Pollutant	Allowable Headworks Loadings (lb/day)						
	Design Criteria	Discharge Permit Limits	Trickling Filter Treatment Inhibition	Nitrification Inhibition	Anaerobic Digestion Inhibition	Sludge Disposal	Water Quality Standards
	(AHL _{DC})	(AHL _{NPDES})	(AHL _{INHIB1})	(AHL _{INHIB2})	(AHL _{INHIB3})	(AHL _{SLUDGE})	(AHL _{WQS})
Ammonia (as N)	2,889	-----	-----	-----	-----	-----	3,380
Biochemical Oxygen Demand (BOD)	40,650	91,556	-----	-----	-----	-----	-----
Suspended Solids, Total (TSS)	29,633	49,432	-----	-----	-----	-----	-----
Antimony	----	0.983	-----	-----	-----	-----	98.3
Arsenic	----	2.798	-----	71.68	1.827	1.253	4.477
Barium	----	245.8	-----	-----	-----	-----	12,045
Beryllium	----	0.212	-----	-----	-----	-----	0.280
Bis (2-ethylhexyl) phthalate	----	1.073	-----	-----	-----	-----	1.073
Boron	----	52.27	-----	-----	-----	-----	52.27
Cadmium	----	2.048	-----	292.4	3.777	0.197	0.655
Chromium	----	11.92	-----	3,306	-----	22.37	119.2
Copper	----	11.66	-----	16.24	7.235	7.265	13.87
Cyanide	----	0.383	1,964	27.49	8,423	-----	0.464
Fluoride	----	1,414	-----	-----	-----	-----	49,474
Iron	----	252.2	-----	-----	-----	-----	308.0
Lead	----	5.310	-----	55.57	103.1	2.436	0.850
Mercury	----	0.001	-----	-----	-----	0.181	0.001
Molybdenum	----	-----	-----	-----	-----	0.530	-----
Nickel	----	6.731	-----	20.84	41.99	6.468	8.763
Oil and Grease	----	10,107	-----	-----	-----	-----	-----
Selenium	----	0.286	-----	-----	-----	0.670	0.286
Silver	----	-----	-----	-----	13.98	-----	1.859
Thallium	----	0.220	-----	-----	-----	-----	0.790
Zinc	----	-----	-----	18.98	74.46	13.96	135.1

Table E10. Summary of Allowable Industrial Loadings (AILs) for City of Tolleson Wastewater Treatment Plant
Industrial Pretreatment Program: Local Limits Evaluation
Tolleson, AZ

Pollutant	Allowable Industrial Loadings (lb/day)						
	Design Criteria	Discharge Permit Limits	Trickling Filter Treatment Inhibition	Nitrification Inhibition	Anaerobic Digestion Inhibition	Sludge Disposal	Water Quality Standards
	(AIL _{DC})	(AIL _{NPDES})	(AIL _{SINHIB1})	(AIL _{INHIB2})	(AIL _{INHIB3})	(AIL _{SLUDGE})	(AHL _{WQS})
Ammonia (as N)	1,235	-----	-----	-----	-----	-----	1,678
Biochemical Oxygen Demand (BOD)	27,407	75,768	-----	-----	-----	-----	-----
Suspended Solids, Total (TSS)	22,181	40,990	-----	-----	-----	-----	-----
Antimony	-----	0.827	-----	-----	-----	-----	88.419
Arsenic	-----	2.465	-----	64.461	1.591	1.075	3.976
Barium	-----	218	-----	-----	-----	-----	10,837
Beryllium	-----	0.187	-----	-----	-----	-----	0.249
Bis (2-ethylhexyl) phthalate	-----	0.612	-----	-----	-----	-----	0.612
Boron	-----	27.942	-----	-----	-----	-----	27.942
Cadmium	-----	1.835	-----	263	3.391	0.170	0.582
Chromium	-----	10.422	-----	2,975	-----	19.824	107
Copper	-----	8.298	-----	12.413	4.313	4.339	10.287
Cyanide	-----	0.185	1,767	24.585	7,581	-----	0.2577
Fluoride	-----	1,238	-----	-----	-----	-----	44,492
Iron	-----	139	-----	-----	-----	-----	189
Lead	-----	4.726	-----	49.958	92.749	2.140	0.712
Mercury	-----	-0.00013	-----	-----	-----	0.162	0.000
Molybdenum	-----	-----	-----	-----	-----	0.344	-----
Nickel	-----	5.899	-----	18.595	37.630	5.662	7.728
Oil and Grease	-----	7,707	-----	-----	-----	-----	-----
Selenium	-----	0.217	-----	-----	-----	0.563	0.217
Silver	-----	-----	-----	-----	12.573	-----	1.665
Thallium	-----	0.197	-----	-----	-----	-----	0.711
Zinc	-----	-----	-----	11.845	61.776	7.320	116

Table E11. Maximum Allowable Headworks Loadings and Local Limits for City of Tolleson Wastewater Treatment Plant Industrial Pretreatment Program: Local Limits Evaluation Tolleson, AZ												
Pollutant	Most Stringent Criterion	Maximum Allowable Headworks Loadings			Maximum Allowable Industrial Loadings		Local Limit Calculation Needed?	Calculated Industrial Local Limit (mg/L)	Worker Protection Screening Level ^a (mg/L)	Domestic/ Commercial Background Levels (mg/L)	Existing Local Limits (mg/L)	Calculated Industrial Local Limit (mg/L)
		Calculated MAHL (lbs/day)	Average Influent Loading (lb/day)	Percent of MAHL Currently in Use (%)	Calculated MAIL (lbs/day)	Existing MAIL (lbs/day)						
Ammonia (as N)	Design Criteria	2,889	1,663	57.55%	1,235	-----	yes	140.440	-----	35.0	30 ^c	140.440
Biochemical Oxygen Demand (BOD) ^e	Design Criteria	40,650	39,657	97.56%	27,407	5,555 ^b	no		-----	287.5	500 ^d	
*Alternative daily maximum BOD MAIL calculations based upon adjusted Design Criteria		55,813	39,657	71.05%	41,812	5,555 ^b	no		-----	287.5	500 ^d	
Suspended Solids, Total (TSS)	Design Criteria	29,633	23,111	77.99%	22,181	17200 ^b	no		-----	153.1	500 ^d	
Antimony	Permit Limits	0.9831	0.0901	9.17%	0.827	-----	no		-----	0.0015	-----	
Arsenic	Sludge Disposal	1.2532	0.1484	11.85%	1.075	0.412	yes	0.122	-----	0.0014	0.04	0.122
Barium	Permit Limits	245.8115	5.4956	2.24%	218.189	-----	no		-----	0.0780	-----	
Beryllium	Permit Limits	0.2117	0.0212	9.99%	0.187	-----	no		-----	0.0001	-----	
Bis (2-ethylhexyl) phthalate	Permit Limits	1.0734	0.2571	23.95%	0.612	0.477	yes	0.070	-----	0.0091	0.04	0.070
Boron	Permit Limits	52.2749	19.7525	37.79%	27.942	39.8	yes	3.176	-----	0.4900	3.5	3.176
Cadmium	Sludge Disposal	0.1972	0.0098	4.99%	0.170	0.546	yes	0.019	-----	0.0002	0.05	0.019
Chromium	Permit Limits	11.9185	0.5158	4.33%	10.422	10.3	yes	1.185	-----	0.0078	0.92	1.185
Copper	Anaerobic Digestion Inhibition	7.2352	4.2818	59.18%	4.313	5.35	yes	0.490	-----	0.0564	0.48	0.490
Cyanide	Permit Limits	0.3827	0.2409	62.96%	0.185	0.723	yes	0.021	-----	0.0041	0.06	0.021
Fluoride	Permit Limits	1,413.5356	232.7285	16.46%	1,238.103	-----	no		-----	0.8740	-----	
Iron	Permit Limits	252.2261	79.1919	31.40%	139.038	-----	no		-----	2.2560	-----	
Lead	Water Quality Standards	0.8496	0.3584	42.19%	0.712	3.73	yes	0.081	-----	0.0014	0.33	0.081
Mercury	Permit Limits	0.00082	0.00038	0.46257	-0.00013	^f	yes	-0.00002	-----	0.00002	0.00020	-0.00002
Molybdenum	Sludge Disposal	0.5305	1.8701	352.55%	0.344	1.55	yes	0.039	-----	0.0034	0.14	0.039
Nickel	Sludge Disposal	6.4680	0.2739	4.23%	5.662	-----	yes	0.644	-----	0.0041		0.644
Oil and Grease	Permit Limits	10,106.9687	2,687.5348	26.59%	7,707.389	-----	yes	876.183	-----	35.6200	100	876.183
Selenium	Permit Limits	0.2862	0.1095	38.27%	0.217	0.036	yes	0.025	-----	0.0010	0.003	0.025
Silver	Water Quality Standards	1.8592	0.0042	0.22%	1.665	1.790	yes	0.189	-----	0.0002	0.16	0.189
Thallium	Permit Limits	0.2196	0.0004	0.19%	0.197	-----	no		-----	0.0000	-----	
Zinc	Sludge Disposal	13.9559	13.3552	95.70%	7.320	22	yes	0.832	-----	0.1344	1.9	0.832

^a Worker Protection Screening Levels are the most stringent of discharge screening levels based on fume toxicity and explosivity. Refer to Table B9.

^b Previous MAILs listed for BOD and TSS are the unallocated capacity available at design flow after accounting for industrial commitments from the 2007 local limits study. MAILs for these parameters were not available in the 2010 Local Limits Study Update.

^cThe previous ammonia limit is an alert limit for monitoring.

^dThe previous BOD and TSS limits are a trigger limit for loading evaluation.

^eThe calculated MAIL for BOD based on the existing design criteria will be implemented as a monthly average.

^fExisting MAIL for mercury is negative due to domestic loading exceeding MAHL



CITY COUNCIL REPORT

SUBJECT: Appointment and/or Reappointment of Representatives to the Community Development Advisory Committee (CDAC)

MEETING DATE: April 22, 2025

TO: Mayor and Council

FROM: George Good, Chief Preparedness Officer/Human Services Director

REVIEWED: Reyes Medrano Jr., City Manager

PURPOSE:

To discuss and consider the appointment and/or reappointment of the City of Tolleson's Primary and Alternate Representatives to the Maricopa County Community Development Advisory Committee (CDAC) for the term beginning July 1, 2025, and ending June 30, 2027.

BACKGROUND:

The City of Tolleson currently has Council Member Erives serving as the Primary Representative and Council Member Gámez serving as the Alternate Representative on the Community Development Advisory Committee (CDAC). The current term is set to expire on June 30, 2025.

The CDAC was established by the Maricopa County Board of Supervisors to serve in an advisory capacity on issues related to the Community Development Block Grant (CDBG) Program. This includes providing recommendations on funding allocations, promoting fair housing, and addressing housing affordability concerns affecting low- and moderate-income residents.

DISCUSSION:

As a standing committee under the Maricopa County CDBG Program, CDAC ensures ongoing and effective participation from local jurisdictions and community organizations throughout all phases of the program. Maintaining active and engaged representation from the City of Tolleson is essential to support regional collaboration and advocacy for community development resources.

CDAC meetings are scheduled regularly on the second Wednesday of each month and are held at:
Maricopa County Human Services Department
234 North Central Avenue, 3rd Floor
Phoenix, AZ 85003

BUDGET IMPACT:

This item has no additional budget impact.

RECOMMENDATION:

Staff recommends that the Mayor and Council discuss and confirm appointments for the City of Tolleson's Primary and Alternate Representatives to the CDAC for the upcoming term of July 1, 2025, through June 30, 2027.

ATTACHMENTS:

None



CITY COUNCIL REPORT

SUBJECT: First Amendment to Haydon Companies Design-Build Agreement

MEETING DATE: April 22, 2025

TO: Mayor and Council

FROM: Chris Hamilton, City Engineer

REVIEWED: Reyes Medrano Jr., City Manager

PURPOSE:

The Development Services Department is seeking approval of the First Amendment to the Design-Build Agreement between the City of Tolleson and Haydon Companies, LLC. This Amendment will cover final design, specifications and construction estimate for the Pedestrian Bridge on 91st Avenue south of Van Buren Street.

BACKGROUND:

In January 2023, Staff solicited for a Design-Build contractor for the Pedestrian Bridge at 91st Ave. Two (2) submittals were received and Staff conducted interviews of both teams. On May 1, 2023, Haydon Building Corp was notified of their selection as the City's contractor for this project. The project was placed on hold while the Aquatics Center relocation was underway as the location was being investigated. Staff worked with the DB team to develop a conceptual design of the bridge.

DISCUSSION:

With conceptual design complete, Staff would like to move forward with final design, specifications and construction costing to prepare for construction. This amendment is the result of a developed scope and fee for these services. Upon completion of the design, a guaranteed maximum price for construction will be developed by the team and presented to Council for approval.

BUDGET IMPACT:

The City shall pay the Contractor an amount for the services at the rates set forth in the Fee Proposal. Funds for this agreement are available in the approved budget under the appropriate accounts designated for capital improvement projects through the Pedestrian Bridge line. The total amount for this stage is \$713,561.

RECOMMENDATION:

Staff recommends the City Council approve the First Amendment to the Design-Build Agreement between the City of Tolleson and Haydon Companies.

ATTACHMENTS:

1. 04 22 25 DS - First Amendment to Agreement - Haydon Companies
2. 2025-0417_91st Ave Ped Bridge_Revised Rendering

AMENDMENT NO. 1 TO AGREEMENT FOR DESIGN-BUILD SERVICES

This Amendment No. 1 to Design-Build Contract (the “Amendment”) between City of Tolleson, an Arizona municipal corporation (“CITY”) and Haydon Companies, LLC, an Arizona limited liability company (the “Design-Builder”) is hereby entered into and shall be effective on the last signature date set forth below.

Note: Amendment changes are noted with additions in **bold** font and deletions in ~~strikeout~~ font.

RECITALS

A. The City entered into a Design-Build Agreement dated July 22, 2024 with Design-Builder (“Agreement”).

B. Pursuant to the Agreement, the purpose of this Amendment is to establish a scope of work and fee schedule for the design phases, which are renamed herein.

AGREEMENT

NOW, THEREFORE, in consideration of the foregoing introduction and recitals, which are incorporated herein by reference, the following mutual covenants and conditions, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the City and the Design-Builder hereby agree as follows:

1. The parties agree to amend Section 1.2.2 of the Contract, as follows:

1.2.2. *Pre-Construction Phase.* The Pre-Construction Phase includes both the Pre-Design Phase and the Design Phase. During the Pre-Design Phase, the Design-Builder shall provide a 15% Cost Model and Design (CMD) as provided in Exhibit B.1. Once the 15% CMD is complete, the Parties may proceed to the Design Phase, which shall consist of: ~~(i) 30% Schematic Design (SD); (ii) 60% Design Development (DD); (iii) 95%–100%~~ **60%, 90% and 100% design and budget for the pedestrian bridge,** Construction Documents and (iv) Final Plans (CD), unless otherwise agreed to by the Parties. Design-Builder shall be compensated on a lump sum basis for each Design Phase. The Design-Builder shall not commence the next sequential design interval without first establishing a scope of work and fee schedule with the CITY.

The CITY is under no obligation, legally or otherwise, to utilize the services of the Design-Builder following the conclusion of each design interval. The CITY does not guarantee any maximum or minimum services to be purchased.

2. The parties agree to the amendments to Exhibit B as set forth in the attachments included herewith and incorporated herein by this reference.

3. In all other respects, the Agreement is affirmed and ratified and, except as expressly modified herein, all terms and conditions of the Agreement shall remain in full force and effect.

IN WITNESS WHEREOF, the Parties have executed this Contract as of the date first above written.

CITY OF TOLLESON, ARIZONA
a municipal corporation

By: _____
Its: _____

ATTEST:

Crystal Zamora, City Clerk

APPROVED AS TO FORM:

Justin Pierce, City Attorney

HAYDON COMPANIES, LLC.,
an Arizona limited liability company

By: _____

Its: _____

EXHIBIT B

PRE-CONSTRUCTION PHASE SERVICES

Exhibit B.1 – 15% Cost Model and Design Scope of Services and Fee Proposal

Exhibit B.2 – 60%, 90% and 100% design and budget for the pedestrian bridge

~~**Exhibit B.2 – 30% Schematic Design Scope of Services and Fee Proposal**~~

~~**Exhibit B.3 – 60% Design Development Scope of Services and Fee Proposal**~~

~~**Exhibit B.4 – 95% – 100% Construction and Final Documents Scope of Services and Fee Proposal**~~

EXHIBIT B.2
60%, 90% and 100% design and budget for the pedestrian bridge

The CITY agrees to compensate Design-Builder \$713,561 for 60%, 90% and 100% design and budget for the pedestrian bridge.

April 10, 2025

City of Tolleson
Engineering Department
9055 W. Van Buren Street
Tolleson, AZ 85353



Attn: Chris Hamilton, PE
City Engineer

Subject: Design-Build Pre-Construction Services Agreement
91st Avenue Pedestrian Bridge, Project Number ENG 24-01

Dear Chris,

Haydon Building Corp is pleased to provide this proposal for the design and estimating services for the 91st Ave Pedestrian Bridge. We are excited at this opportunity of teaming with the City of Tolleson.

For these services we propose a fee of \$713,561 to provide 60%, 90% and 100% design and budget for the pedestrian bridge. We have prepared a schedule of values (exhibit A) for these services and attached it for your information.

If you have any comments, please feel free to contact me. Again, we appreciate the opportunity and look forward to a long and successful relationship with the City of Tolleson.

Sincerely,
Haydon Companies LLC

Chris Nelson
Preconstruction Manager
(480) 356-8085



City of Tolleson
91st Ave Pedestrian Bridge Design-Build
Project Number: ENG 24-01
Contract No.

4/10/2025

Pre-Construction Services Proposal

Allocation Of Pre-construction Services Cost

Preconstruction Services	\$80,091
Total Pre-construction Cost	\$80,091

Project Documentation Control

Previously, Haydon would account for traditional printed paper project plan set reproduction within the pre-construction proposal. As we move forward and streamline our operations we are including a fee for electronic document control (**Procore**) for the field which drastically reduces the need for printed paper

Preconstruction Phase	\$2,500
Total Project Documentation Control	\$2,500

Allowances * Prior to any allowance use, Haydon will submit a proposal to the City for approval.

Subsurface Utility Exploration	\$25,225
Project Layout for Utility Coordination (Survey)	\$2,500
Total Allowances	\$27,725

Design

Design Consulting Services - Kimley-Horn	
Kimley-Horn Labor Fee	\$441,495
Subconsultant - Ethos Engineering	\$23,750
Subconsultant - 4Line Studios Engineering	\$18,000
0	\$0
Design Consulting Services Allowances	
Owner's Allowance	\$75,000
Survey - Additional Topographical Survey	\$5,000
DMS Sign Design	\$30,000
Reimbursable Expenses	\$10,000

Total Design	\$603,245
---------------------	------------------

Total Design-Build Proposal	\$713,561
------------------------------------	------------------

Schedule Of Hourly Rates

Project Director - Michael Corona	\$156
Precon Manager - Chris Nelson	\$135
Estimating Manager - Chance Raser	\$160
Project Manager - Nick Eckert	\$128
Estimator - Carson Miller	\$128
GPS/Drone Crew - Team Member	\$133
Project Superintendent - Brett Haendel	\$120
Project Engineer - TBD	\$107



EXHIBIT A - SCHEDULE OF PRE-CONSTRUCTION SERVICES/DESIGN MANPOWER LOADING 4/10/2025

Unit Rate	Hours			Costs	
	Precon/Design Phase			Precon/Design Phase	
	60%	90%	100%	Hours	Total
Project Kickoff Meeting					
Project Director	\$ 156	2		2	\$311
Precon Manager	\$ 135	2		2	\$270
Estimating Manager	\$ 160	2		2	\$320
Project Manager	\$ 128	2		2	\$255
GPS/Drone Cew	\$ 133	2		2	\$266
Project Superintendent	\$ 120	2		2	\$240
Project Engineer	\$ 107	2		2	\$214
Preparation of the Master Schedule					
Project Director	\$ 156	1	1	2	\$311
Project Manager	\$ 128	2	6	8	\$1,020
Project Superintendent	\$ 120	2	2	4	\$480
Project Engineer	\$ 107	2	2	4	\$428
Update Schedule					
Project Director	\$ 156		1	2	\$311
Project Manager	\$ 128		6	8	\$1,020
Project Superintendent	\$ 120		2	4	\$480
Project Engineer	\$ 107		2	4	\$428
Preparation of the Construction Management/Phasing Plan					
Project Director	\$ 156		2	3	\$467
Precon Manager	\$ 135		4	6	\$810
Project Manager	\$ 128		4	6	\$765
Project Superintendent	\$ 120		4	6	\$720
Regular Project Meetings - 2/month, 12 Months					
Project Director	\$ 156	2	2	6	\$934
Precon Manager	\$ 135	4	4	12	\$1,620
Estimating Manager	\$ 160	4	4	12	\$1,920
Project Manager	\$ 128	2	2	6	\$765
Project Superintendent	\$ 120	2	2	6	\$720
Project Engineer	\$ 107	4	4	12	\$1,283
Special Project/Utility/Design and Cost Review Mtgs					
Project Director	\$ 156	2	2	6	\$934
Precon Manager	\$ 135	3	3	8	\$1,080
Estimating Manager	\$ 160	3	3	8	\$1,280
Project Manager	\$ 128	3	3	8	\$1,020
Project Superintendent	\$ 120	2	2	6	\$720
Project Engineer	\$ 107	2	2	6	\$641

EXHIBIT A - SCHEDULE OF PRE-CONSTRUCTION SERVICES/DESIGN MANPOWER LOADING

4/10/2025

Unit Rate		Hours			Costs	
		Precon/Design Phase			Precon/Design Phase	
		60%	90%	100%	Hours	Total
Public Town Meetings						
Project Director	\$ 156	2			2	\$311
Precon Manager	\$ 135	2			2	\$270
Estimating Manager	\$ 160				0	\$0
Project Manager	\$ 128	2			2	\$255
Project Superintendent	\$ 120	2			2	\$240
Project Engineer	\$ 107	2			2	\$214
Site Investigation & Field Coordination Meetings						
Project Director	\$ 156	2	2	2	6	\$934
Precon Manager	\$ 135	8	8	2	18	\$2,430
Estimating Manager	\$ 160	2	2		4	\$640
Project Manager	\$ 128	8	8	2	18	\$2,295
GPS/Drone Cew	\$ 133	2	2		4	\$533
Project Superintendent	\$ 120	8	8	2	18	\$2,160
Project Engineer	\$ 107	2	2	2	6	\$641
Periodic Plan Reviews						
Project Director	\$ 156	2	2	2	6	\$934
Precon Manager	\$ 135	8	8	4	20	\$2,700
Estimating Manager	\$ 160	4	4	4	12	\$1,920
Project Manager	\$ 128	4	4	4	12	\$1,530
Estimator	\$ 128	4	4	2	10	\$1,275
Project Superintendent	\$ 120	4	4	2	10	\$1,200
Project Engineer	\$ 107	4	4	2	10	\$1,069
Prepare Project Estimates / GMP						
Project Director	\$ 156	1	1	1	3	\$467
Precon Manager	\$ 135	8	8	8	24	\$3,240
Estimating Manager	\$ 160	16	16	8	40	\$6,400
Project Manager	\$ 128	4	4	4	12	\$1,530
Estimator	\$ 128	16	16	8	40	\$5,100
GPS/Drone Cew	\$ 133	4	4		8	\$1,065
Design Development Coordination & Constructability/VE Review Evaluations						
Project Director	\$ 156	1	1	1	3	\$467
Precon Manager	\$ 135	8	4	2	14	\$1,890
Estimating Manager	\$ 160	4	4	2	10	\$1,600
Project Manager	\$ 128	8	4	2	14	\$1,785
Estimator	\$ 128	4	4	2	10	\$1,275
Project Engineer	\$ 107	2	2	2	6	\$641
Qualify, Bid and Award Sub-Contracts & Suppliers						
Project Director	\$ 156	1	1	1	3	\$467
Precon Manager	\$ 135	4	8	2	14	\$1,890
Estimating Manager	\$ 160	8	8	8	24	\$3,840
Project Manager	\$ 128	2	2		4	\$510
Estimator	\$ 128	8	8	8	24	\$3,060

EXHIBIT A - SCHEDULE OF PRE-CONSTRUCTION SERVICES/DESIGN MANPOWER LOADING 4/10/2025

	Unit Rate	Hours			Costs	
		Precon/Design Phase			Precon/Design Phase	
		60%	90%	100%	Hours	Total
Project Engineer	\$ 107	4	4	4	12	\$1,283
TOTAL PRE-CONSTRUCTION SERVICES					596	\$80,091

	Unit Rate	Hours			Costs	
		Preconstruction Phase			Precon/Design Phase	
		60%	90%	100%	Hours	Total
Estimating, Bidding, and GMP documents						
Electronic Project Documentation & Control	\$ 2,500	0.33	0.34	0.33	1	\$2,500
TOTAL PROJECT DOCUMENTATION CONTROL COST					1	\$2,500

		Preconstruction Phase			Precon/Design Phase	
		60%	90%	100%	Hours	Total
Subsurface Utility Exploration	\$ 1,009	20	5		25	\$25,225
Project Layout for Utility Coordination (Survey)	\$ 2,500	0.5	0.25	0.25	1	\$2,500
TOTAL ESTIMATED INVESTIGATION COST						\$27,725

		Preconstruction Phase			Precon/Design Phase	
Design Consulting Services - Kimley-Horn	\$ 603,245					
Kimley-Horn Labor Fee	\$ 441,495				1	\$441,495
Subconsultant - Ethos Engineering	\$ 23,750				1	\$23,750
Subconsultant - 4Line Studios Engineering	\$ 18,000				1	\$18,000
Design Consulting Services Allowances						
Owner's Allowance	\$ 75,000				1	\$75,000
Survey - Additional Topographical Survey	\$ 5,000				1	\$5,000
DMS Sign Design	\$ 30,000				1	\$30,000
Reimbursable Expenses	\$ 10,000				1	\$10,000
TOTAL ESTIMATED DESIGN/ENGINEERING COST						\$603,245

Summary					Precon/Design Phase	
					Hours	Total
TOTAL PRE-CONSTRUCTION SERVICES						\$80,091
TOTAL ESTIMATED PRECON PLAN COST						\$2,500
TOTAL ESTIMATED ALLOWANCES						\$27,725
TOTAL ESTIMATED DESIGN/ENG COST						\$603,245
TOTALS						\$713,561

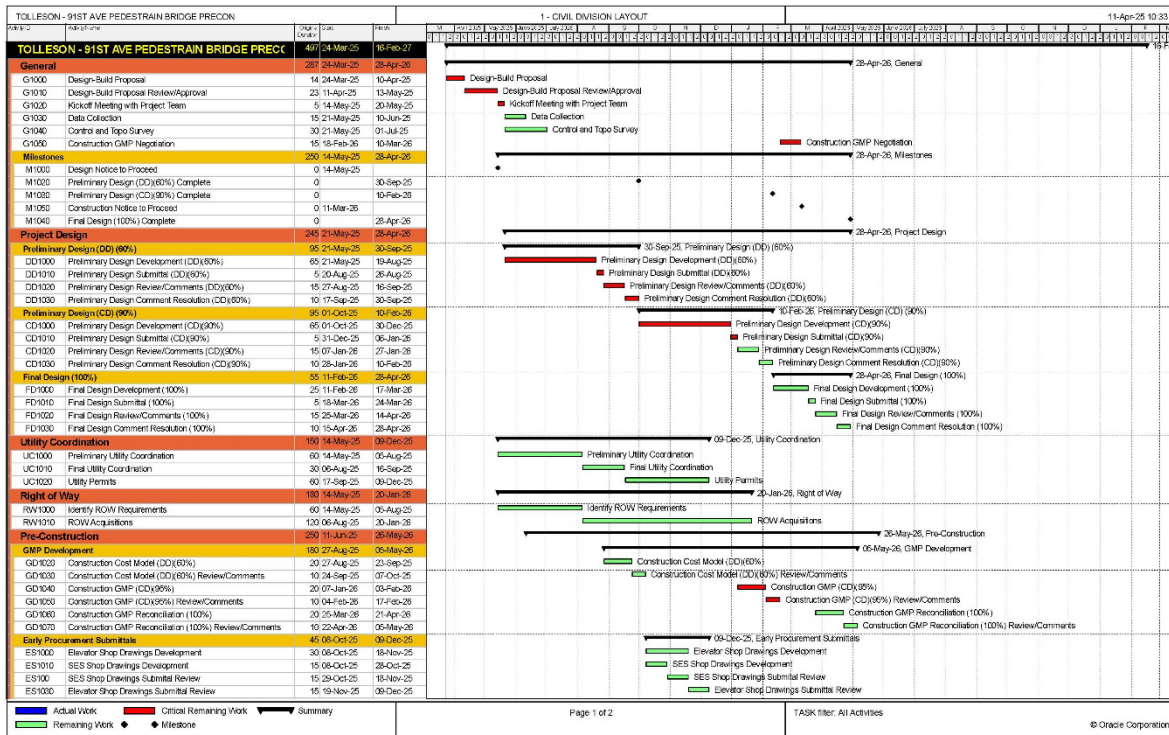


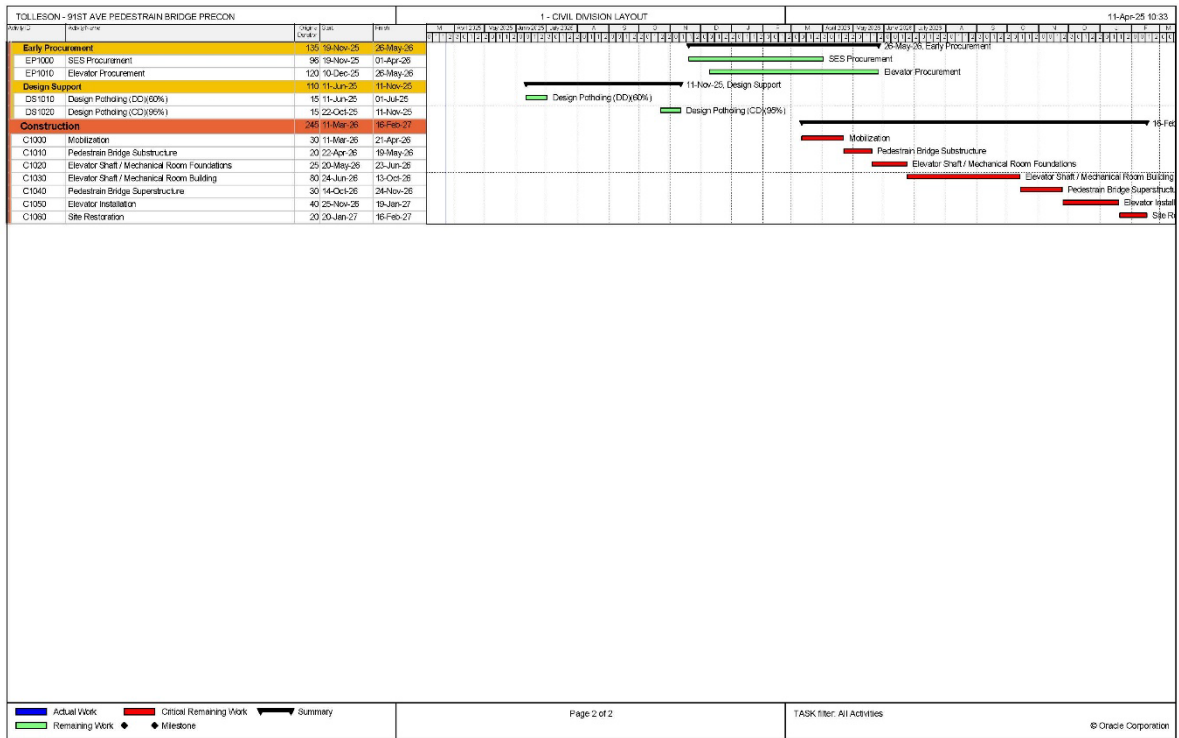
EXHIBIT G

City of Tolleson
91st Ave Pedestrian Bridge Design-Build

Project Team

Project Director	Michael Corona
Precon Manager	Christopher Nelson
Estimating Manager	Chance Raser
Project Manager	Nick Eckert
Estimator	Carson Miller
GPS/Drone Cew	Team member
Project Superintendent	Brett Haendel
Project Engineer	TBD
Utility Coordinator	TBD
Agtek Takeoff Department	Team member







CITY OF TOLLESON
91st AVENUE – PEDESTRIAN BRIDGE
TOLLESON PROJECT NO. ENG 24-01

CONTRACT MODIFICATION NO. 1 – FINAL DESIGN

SCOPE OF SERVICES

Prepared April 9, 2025

PROJECT UNDERSTANDING

The City of Tolleson would like to amend the current contract of the 91st Avenue Pedestrian bridge to include final design.

The additional scope of work is described as follows:

This project consists of improvements south of 91st Avenue and Van Buren Street for the City of Tolleson (City). Specific proposed improvements include:

- A pedestrian bridge crossing 91st Avenue, south of Van Buren Street.
- ADA compliant landing, stairs, and an elevator tower at each end of the bridge crossing.
- Mechanical improvements associated with the elevator towers.
- Electrical improvements associated with the elevator towers and lighting on the landings and bridge crossing.
- Minor civil improvements.
- Minor landscape improvements.

SCOPE OF WORK TASKS

Task 1 – Geotechnical Investigations

- a. Ethos Engineering shall perform geotechnical investigations, which shall include test borings, infiltration tests, laboratory analysis, and the preparation of an Engineer's Geotechnical Report. **See Attachment A for Ethos Engineering's detailed scope of services for geotechnical services.**
- b. Kimley-Horn will coordinate with Ethos Engineering to develop a proposed geotechnical plan that includes the location of field investigations including access routes and test boring locations.
- c. Kimley-Horn will review Ethos Engineering's Geotechnical Report and coordinate design related recommendations with the proposed bridge and other miscellaneous item designs.

Task 2 – Utility Coordination

- a. Kimley-Horn will assist the City with communication and coordination with the utility companies, obtain as-built information, and indicate existing utilities and planned relocations on the construction documents. Any relevant utility information shall be shown on the plans prior to submittal to utility companies for review.
- b. Kimley-Horn will attend utility coordination meetings led by the City as required. It is assumed that there will be two (2) overall utility coordination meetings and four (4) individual utility coordination meetings.
- c. Kimley-Horn will contact Blue Stake to obtain the most current information about utilities having facilities within the project area. Kimley-Horn will use this information to obtain utility as-built information from all the utility companies serving the project area, including from the City. Some utilities may not be shown on Blue Stake records and may require a set of plans to determine the potential conflicts.
- d. Kimley-Horn will assist the City in determining any utility conflicts that may require the utility to be relocated or adjusted and will advise the City.
- e. Kimley-Horn will advise the City of relocations, replacements, or new facilities requested by the utility companies.
- f. Kimley-Horn, with assistance from the City, will be responsible for reviewing relocation plans produced by utility companies to assure the utility conflicts are mitigated or eliminated and that proposed utility installations conform to the City's requirements.

- g. At the request of the City, Kimley-Horn will verify that prior rights documentation submitted by the utility companies represent the correct relocation area.
- h. Only the City will authorize utility companies to start design on relocation of their facilities where they have prior rights and want reimbursement for their design.
- i. Kimley-Horn will, in coordination with the City, prepare Utility Special Provisions. The utility special provisions will include the following:
 - i. List of utility companies in the area, and contact person's name and telephone number.
 - ii. A statement that there are no utility conflicts (if applicable).
 - iii. Work to be performed by utility companies during project construction.
 - iv. Completion date or schedule for each utility conflict to be removed by utility company.
 - v. Work to be performed for the utility company by Haydon.
 - vi. Utility license, permit, insurance, or right of entry requirements.
 - vii. Utility company requirements related to protection of or construction adjacent to their facilities.
- j. Kimley-Horn will assist the City in working with the utility companies to facilitate clearing of utilities. The City shall be responsible for preparing and obtaining actual clearance/conflict letters.

Task 3 – Architectural Design

- a. 4Line Studios shall perform architectural design, which shall include architectural design of the elevator tower. **See Attachment B for 4Line Studios' detailed scope of services for architectural design services.**
- b. Kimley-Horn will coordinate with 4Line Studios to incorporate architectural drawings into the overall construction set.

Task 4 – Structural – 91st Avenue Bridge

- a. Kimley-Horn will provide structural design and details for the proposed 91st Avenue bridge crossing south of Van Buren Street.

Kimley-Horn will prepare final bridge design and construction documents for the proposed superstructure and substructure elements. The bridge superstructure is anticipated to be a prefabricated truss bridge designed and detailed by the fabricator. It is assumed that the bridge will be supported on single column pier caps supported by drilled shafts. A spread footing option may be evaluated depending on the final layout of the bridge. Design will be based on current AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges and the AASHTO LRFD Bridge Design Specifications – 8th Edition. Final design live loading will include pedestrian loads described in the AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges.

- b. Kimley-Horn will provide structural design and details for the two (2) stair and elevator towers at each end of the pedestrian bridge. The stair and elevator towers are assumed to be constructed of metal deck with concrete infill supported on a structural steel moment frame or braced frame. The foundation system is assumed to be shallow spread footings.
- c. The structural plans will include the following:
 - i. General Plan, Elevation, and Bridge Typical Section (1 Sheet)
 - ii. General Notes & Quantities (2 Sheets)
 - iii. Foundation Plan (1 Sheet)
 - iv. Foundation Details (1 Sheet)
 - v. Pier 1 Plan & Elevation (1 Sheet)
 - vi. Pier 2 Plan & Elevation (1 Sheet)
 - vii. Pier Details (1 Sheet)
 - viii. Landing Plan & Details (2 Sheets)
 - ix. Elevator Details (2 Sheets)
 - x. Bearing & Joint Details (1 Sheet)
 - xi. Bridge Main Span Details (1 Sheet)
 - xii. Fence Details (2 Sheets)
 - xiii. Miscellaneous Details (1 Sheet)

Task 5 – Electrical Design

- a. Kimley-Horn will participate in one (1) working session with the design team and the Owner to determine the electrical requirements for the pedestrian bridge, including:

- i. Lighting requirements
- ii. Elevator requirements (e.g. will emergency power be required?)
- b. Kimley-Horn will provide power and lighting design for elevator, stair, and stair landings in accordance with the lighting layout decided by Kimley-Horn. Photometrics analysis and plan sheets will be performed for the elevator control room, elevator pit and top of shaft. Photometric values will adhere to guidelines set forth by the Owner and IESNA Recommended Practices.
- c. The Construction Drawings will show light locations, site conduit and conductors, light fixture schedule, and typical elevation detail for equipment mounting for the stair landing.
- d. The electrical plans will include the following:
 - i. General Electrical Notes & Legend (1 Sheet)
 - ii. Site Plans (1 Sheet) (1"=20' scale)
 - iii. Electrical Elevator Pit/Top of Shaft Plans (2 Sheets)
 - iv. Electrical Elevator Control Room Plans (2 Sheets)
 - v. Electrical Details (single line diagram, load summary, SES elevation/foundation, light pole/foundation and light fixture installation) (2 Sheets)
 - vi. Electrical Schedules (fixture, conduit/conductor, panel) (2 Sheets)
- e. Electrical Plans, cost estimate, and specifications will be provided at each submittal stage beginning with the 60% submittal.
- f. It is understood that the electrical service will be designed to serve the elevators, stairs, and bridge lighting.

Task 6 – Mechanical and Plumbing Design

- a. Kimley-Horn to perform heat load calculations for the elevator hoist ways. It is assumed that packaged direct expansion (DX) rooftop units to serve cooling/heating loads. DX split systems may be reviewed as an alternate HVAC system.
- b. Kimley-Horn to design a sump pump for each elevator to be discharged to grade as required by the Elevator code ASME-A17.1.
- c. The Mechanical and Plumbing plans will include the following:
 - vii. General Mechanical and Plumbing Notes, Symbols & Abbreviations (1 Sheet)
 - viii. Mechanical Floor Plan (2 Sheets)

- ix. Plumbing Floor Plan (2 Sheets)
- x. Mechanical and Plumbing Details (1 Sheet)
- xi. Mechanical and Plumbing Schedule (1 Sheet)

Task 7 – Landscape Architecture

- a. Kimley-Horn will prepare a Landscape Plan for the disturbed landscape area adjacent to the pedestrian bridge entry plaza located on the Tolleson City Hall property. The landscape design approach will be to restore disturbed area to match the existing landscape scheme. The Landscape Plans will show a detailed layout of proposed plantings and inert material, with a plant list identifying species, quantities, sizes, details and applicable notes.
- b. Kimley-Horn will prepare an Irrigation Plan showing the layout of a landscape irrigation system for the landscape area described above. Kimley-Horn assumes the irrigation design will be a modification of the existing irrigation system serving the Tolleson City Hall landscape. Information shown will be based on available information provided by the City. The Irrigation Plan will show the location, size, and type of irrigation pipe, sleeves, valves, emitters, and any visible or available existing components with accompanying details and notes.
- c. Kimley-Horn will coordinate with the city on preferred Aesthetic Details for bridge and stair railing. Kimley-Horn will provide up to two (2) concept alternatives. Based on the preferred alternative, Kimley-Horn will prepare Aesthetic Details.
- d. Landscape, and Irrigation Plans, cost estimate, and specifications will be provided at each submittal stage beginning with the 60% submittal.
- e. Landscape, and Irrigation Plans will include the following:
 - i. General Landscape and Irrigation Notes (1 Sheet)
 - ii. Materials Schedule (1 Sheet)
 - iii. Landscape Plan (1 Sheet)
 - iv. Landscape Details (1 Sheet)
 - v. Irrigation Plan (1 Sheet)
 - vi. Irrigation Details (1 Sheet)
 - vii. Aesthetic Details (2 Sheets)

Task 8 – Class I Cultural Resources Records Review

- a. The project is located on City of Tolleson owned property and within City of Tolleson right-of-way (ROW); therefore, compliance with the Arizona Antiquities Act (AAA) (ARS § 15-163 and § 41-841 et. Seq.) and ARS § 41-865 is required.

- b. Kimley-Horn will conduct a Class I cultural resource records review. This review will identify the type, location, and distribution of previously recorded cultural resources and gather information on past cultural resource projects in the vicinity. Per State Historic Preservation Office (SHPO) requirements, the records review will include a 1/2-mile buffer around the project area. Kimley-Horn archaeologists will consult records from AZSITE, Arizona's online cultural resources database, the Archaeological Records Office at the Arizona State Museum (ASM), the Digital Archaeological Record (tDAR), General Land Office historic plats filed with the Bureau of Land Management, historic U.S. Geological Survey topographic maps, historic aerial photographs, the National Register of Historic Places, and the Arizona Register of Historic Places.

Task 9 – Civil

- a. Kimley-Horn will prepare a Grading Plan for the entry plazas to the pedestrian bridge and ensuring the areas are ADA compliant.

Task 10 – Drainage Design

- a. Kimley-Horn will review adjacent as-builts and drainage reports to understand relevant drainage infrastructure. The pedestrian bridge is not anticipated to impact any public or private drainage infrastructure. Kimley-Horn will prepare a drainage memorandum documenting that the project will have no negative impacts on the surrounding drainage infrastructure. The memorandum will include exhibits showing the existing infrastructure with the new pedestrian bridge.

Task 11 – Public Involvement

- a. Kimley-Horn will attend up to two in-person public meetings for the project and assist with creating meeting materials as defined below:
 - i. Kimley-Horn will assist the City in preparation of presentation boards and roll plots for the public meetings. Kimley-Horn will print the materials once finalized.
 - ii. Kimley-Horn will meet with the City in advance of each public meeting to prepare for each meeting.
 - iii. Four (4) members of the design team will be present at each public meeting.
 - iv. City will be responsible for stakeholder research of the project area and notification efforts/advertisement for each public meeting, including any flyers or mailers.
 - v. City will be responsible for maintenance of any project hotline or website.

- vi. Kimley-Horn will provide a summary report for each public meeting detailing the meeting location and comments received.

Task 12 – Schedule of Values/Quantities

- a. Kimley-Horn shall prepare schedule of values/quantities for each design submittal (60%, 90%, and 100%). Quantities will be presented on the plan sheets and in a separate schedule of values/quantity spreadsheet. The schedule of values will be based on MAG standard bid item descriptions and numbers, unless otherwise directed by the City.
- b. Kimley-Horn shall provide an engineer's opinion of probable cost at the Conceptual Bridge Design Development phase.

Task 13 – Technical Specifications

- a. Technical specifications will be prepared for the 60%, 95% and 100% design submittals. The technical specifications will be prepared based on the MAG Standard Specifications and any City supplemental special provisions.

Task 14 – Project Management

- a. Kimley-Horn shall establish a project management system to provide adequate scope, schedule, and budget control, and be responsive to input from the City.
- b. Kimley-Horn will perform contract management services such as preparing the design services contract, subconsultant agreements, monthly invoicing, and monthly summary of costs.
- c. Kimley-Horn will provide document control consisting of scanning and/or saving project related documentation and correspondence throughout the design schedule. This documentation would be available for the City upon request.
- d. Kimley-Horn will monitor all subconsultants schedule and work products to ensure that their activities are coordinated.
- e. Kimley-Horn will maintain an action item log throughout the design schedule of major items that require resolution including the responsible party and due date.
- f. Kimley-Horn will develop, comply, monitor, and audit their design quality control plan for this project.

Task 15 – Meetings

- a. Kimley-Horn will attend a Final Design Kick-Off Meeting. This meeting shall serve to clarify the line of communication, discuss design related items, and other administrative, technical or stakeholder details.

- b. Kimley-Horn will attend twelve (12) meetings during the design phase of the project, which is assumed to be twelve (12) months in duration. These meetings are assumed to occur monthly. Meetings are anticipated to be virtual and combine major meeting subjects such as progress meetings, resolution of design submittal comments, and specific discipline focused meetings such as traffic, irrigation or drainage.
- c. Kimley-Horn will produce meeting notes for meetings they attend during the pre-design and design phases to be distributed to all attendees.
- d. Kimley-Horn will meet internally to coordinate design between disciplines and track progress.
- e. Any meetings beyond those listed above shall be considered additional services.

Task 16 – Submittals

- a. Kimley-Horn will develop construction documents and submit to the City for review and approval at the following completion stages:
 - i. 60% Construction Documents (Construction Plans, Schedule of Values/Quantities, and Technical Specifications)
 - ii. 90% Construction Documents (Construction Plans, Schedule of Values/Quantities, and Technical Specifications)
 - iii. 100% Final Sealed Construction Documents (Construction Plans, Schedule of Values/Quantities, and Technical Specifications)
- b. Kimley-Horn shall incorporate the review comments into the subsequent submittal. Kimley-Horn shall prepare a tabulation of the review comments and the proposed resolution for each comment. Kimley-Horn will provide a brief explanation for each comment that it proposes to not incorporate.
- c. The following is a list of specific information to be provided at each design submittal:

	30%	60%	95%	100%
Front Sheets	X	X	X	X
Grading Plan		X	X	X
Bridge Layout Sheets	X	X	X	X
Bridge Detail Sheets		X	X	X
Elevator/Landing Layout Sheets	X	X	X	X
Elevator/Landing Detail Sheets		X	X	X
Lighting/Electrical Sheets		X	X	X
Mechanical Sheets		X	X	X
Architectural Sheets		X	X	X
Landscape Plan Sheets		X	X	X
Landscape Irrigation Plan Sheets		X	X	X

	30%	60%	95%	100%
Schedule of Values/Quantities	X	X	X	X
Technical Special Provisions		X	X	X

SUBCONSULTANT SERVICES

Ethos Engineering (Geotechnical Investigations)

- a. Ethos Engineering will provide geotechnical investigations. [See Attachment A for Ethos' detailed scope of services.](#)

4Line Studios (Architectural Design)

- a. 4Line Studios will provide architectural design. [See Attachment B for 4Line Studios' detailed scope of services.](#)

ALLOWANCES

All allowances are at the discretion of the City and require approval by the City Project Manager prior to work being performed or billed.

Allowance 1 – Owner’s Allowance

- a. This allowance is provided for final design and construction detailing of the chosen aesthetic treatments. Final design and details will include construction details and specifications required for construction of the aesthetic treatments. The scope of this task will depend on the chosen aesthetic treatments. Kimley-Horn will prepare a separate scope and fee allowance proposal for approval for a portion of this allowance.

Allowance 2 - Additional Topographic Survey/Right-of-Way Staking

- a. This allowance is for any additional topographic survey required beyond the established project limits or any required right-of-way staking that may be requested by the property owner through the City.

Allowance 3 – DMS Sign Design

- b. This allowance is for design related to the proposed DMS sign on the bridge structure. This scope will be finalized once more information about the City’s desired DMS sign is known.

Allowance 4 - Expenses

- a. This allowance is for expenses anticipated for this project including potential postage for public information fliers, vehicular mileage, deliveries, supplies, and website fees.

FEE

Kimley-Horn will perform the services in Tasks 1 – 19 for the total lump sum fee below.

Kimley-Horn Labor Fee

• Task 1 – Geotechnical Investigations.....	\$4,125
• Task 2 – Utility Coordination.....	\$13,560
• Task 3 – Architectural Design.....	\$3,480
• Task 4 – Structural – 91st Avenue Bridge.....	\$174,645
• Task 5 – Electrical Design.....	\$57,045
• Task 6 – Mechanical and Plumbing Design.....	\$23,700
• Task 7 – Landscape Architecture.....	\$35,880
• Task 8 – Class I Cultural Resources Records Review.....	\$6,720
• Task 9 – Civil.....	\$7,680
• Task 10 – Drainage.....	\$8,520
• Task 11 - Public Involvement.....	\$17,160
• Task 12 – Schedule of Values/Quantities.....	\$10,020
• Task 13 – Technical Specifications.....	\$14,280
• Task 14 – Project Management.....	\$21,490
• Task 15 – Meetings.....	\$24,000
• Task 16 – Submittals.....	\$19,190

Subconsultant Labor Fee

• Geotech - Ethos Engineering.....	\$23,750
• Architectural – 4Line Studios.....	\$18,000
• Total Lump Sum Labor Fee (without allowances)	\$483,245

Allowances

• Owner's Allowance	\$75,000
• Survey – Additional Topographic Survey	\$5,000
• DMS Sign Design	\$30,000
• Expenses.....	\$10,000
• Total Allowance Fee	\$120,000
 • Total Lump Sum Labor Fee (with allowances).....	\$603,245

EXCLUSIONS

- a. Private utility relocations
- b. Right-of-way and easement acquisition
- c. Development of legal descriptions and exhibits
- d. Public involvement tasks beyond those outlined above, including flyers/notification, venue procurement, and planning.
- e. Environmental technical documents for geotech/potholing for Section 404, biology, and hazmat are not included.
- f. Environmental technical documents and coordination for cultural resources beyond those stated in the above scope.
- g. Consultation for biological resources is not included.
- h. Species specific surveys are not included
- i. Land acquisition services such as appraisals, developing offers, etc. are not included
- j. Attending more meetings than specifically listed in this scope of services is not included
- k. Additional submittals beyond those specifically listed in this scope of services are not included
- l. No domestic water to be provided at the stair landings
- m. Off-site lighting design is not included

**ATTACHMENT A
ETHOS ENGINEERING
SCOPE OF SERVICES FOR
GEOTECHNICAL INVESTIGATIONS**

March 31, 2025

Charlie Golek, PE
Kimley-Horn & Associates, Inc.
1661 East Camelback Road, Suite 400
Phoenix, Arizona 85016

RE: Proposal for Geotechnical Investigation (Revision 2)
91st Avenue Pedestrian Bridge
City of Tolleson Design Build Project
Project Number ENG 24-01
Tolleson, Arizona

Dear Charlie:

As requested, Ethos Engineering, LLC (Ethos) is pleased to present this proposal for geotechnical engineering services for the referenced project. Included is our project understanding and planned scope of work and fee estimate to address the geotechnical elements of the project. This revision to our previous submittal, Revision 1 dated October 27, 2023, was to update our billing rates.

1.0 Project Understanding

The City of Tolleson (City) has selected Haydon Building Corporation (Haydon) to design and build a new pedestrian bridge over 91st Avenue connecting pedestrians on the west side of 91st Avenue to the new City Hall building located at the southeast corner of 91st Avenue and West Van Buren Street. A single-span bridge with a length of approximately 115-feet is planned. Access to the elevated structure will be via elevators positioned at each end. We assume that the bridge will be supported on deep foundations. The elevator and Americans with Disabilities Act (ADA) ramp will be supported on either shallow or deep foundations depending on the materials encountered as part of this geotechnical investigation.

Minor surface grading beyond the limits of the proposed improvements will be included. Additionally, there is also a plan to construct a temporary surface parking lot (not addressed herein) on the northwest corner of 91st Avenue and Monroe Street, which in the future would be the location of a 2-story parking structure.

Haydon added Kimley Horn & Associates, Inc. (KHA) to prepare the design and KHA has retained Ethos to provide geotechnical engineering services.

2.0 Work Scope

2.1 Test Drilling

We propose to drill two test borings to a depth of 80 feet, each. We believe the two borings will be sufficient for design to address both the bridge abutments and the elevator structures. Ethos will subcontract Geomechanics Southwest, Inc. to perform the test drilling using a truck-mounted CME-75 drill. Soil samples will be obtained from the test borings in order to conduct laboratory testing. Relatively undisturbed ring samples,



9180 S. Kyrene Rd #104
Tempe, AZ 85284

standard penetration test (SPT) samples, and bulk samples at sampling intervals of 5 feet or less will be obtained from the test borings to conduct laboratory testing.

An Ethos field engineer will oversee the drilling operations and log the test borings. Our field engineer will also transport the samples to the test laboratory. The test locations should be at least 15 feet from City street pavement. We do not anticipate the need for a permit and/or traffic control to perform this work. We do assume that permission to drill on privately owned properties will be obtained for us by others.

2.2 Laboratory Testing

Laboratory testing of samples collected from the proposed borings will be completed by ACS Services as assigned by Ethos. We estimate the laboratory testing in Table 1 will be performed for this added work.

Table 1 – Proposed Lab Testing Program

Item/Description	Estimated No. of Tests
Grain Size Analysis (Total - Coarse and Fine) – ASTM C136 & C117	6
Atterberg Limits (Plasticity Index) - ASTM D4318	6
Moisture/Density of Undisturbed Ring Sample - ASTM D2937	4
Moisture Content - ASTM D2216	4
Direct Shear Test (saturated or remolded, three points) – ASTM D3080	2
pH & Resistivity - AZ 236 (suite)	2
Total Soluble Sulfates & Chlorides - AZ 733/AZ 736	2

2.3 Engineering Analysis & Geotechnical Reports

Ethos will perform engineering analyses of the data obtained from the explorations and laboratory testing to develop geotechnical recommendations and prepare a geotechnical investigation report for the project. The report will be prepared under the supervision of a Professional Civil Engineer registered in the State of Arizona. The geotechnical report will include the following at a minimum:

- Description of the area covered by the report and existing site conditions, including vicinity map.
- Description of the geology and topography of the area, including soil and rock types, and drainage characteristics and estimated depth to groundwater.
- A site plan showing boring locations and a description of procedures and equipment used in the subsurface investigation program. Field investigations will include descriptions of the soil types, penetration test results and in situ test results.
- Results of laboratory tests and a description of test methods. Laboratory test results will include classification and engineering properties for all major soil strata in the study area.



9180 S. Kyrene Rd #104
Tempe, AZ 85284

- A discussion of geological and geotechnical conditions and results with reference to specific locations on the project.
- Discussion of potential geologic hazards.
- Recommended site seismic criteria.
- Recommendations for:
 - Structures, including foundation types, capacities, lateral earth pressures, and related design parameters for bridges and elevator tower structure(s).
 - Temporary and permanent cut and fill slopes, including as-needed slope stability analyses for embankment fill slopes and cut slopes, and slope stabilization designs.
 - Impacts of compressible, hydro-collapsible, and/or expansive soils, if present, and proposed mitigations.
 - Corrosion potential of soils on construction materials.
 - Construction considerations.
 - Suitability of materials (borrow, aggregates, riprap, etc.) that can be obtained from project excavations.
- Report will also include the following items in the appendix:
 - Plan view locations of field sampling/testing
 - Copies of the boring logs and field/laboratory test data used for the analysis and design.
 - Summary of laboratory testing methods and tabulated results.

3.0 Meetings

We assume for the purpose of costing that meetings will be held to a minimum. We will plan to attend two one-hour virtual meetings.

4.0 Project Fees

The following table provides a summary of the costs estimated to develop our fee. The proposed cost for this geotechnical investigation is **\$23,750.00**. We will invoice KHA monthly on a percent complete basis.

Table 2 – Estimate of Fees

Item	Estimated Fee
Layout and Utility Clearance	\$ 750
Test Drilling	\$ 7,800
Laboratory Testing	\$ 3,600
Engineering Analysis	\$ 2,800
Draft and Final Report Preparation	\$ 8,300
Meetings	\$ 500
TOTAL	\$23,750



9180 S. Kyrene Rd #104
Tempe, AZ 85284



9180 S. Kyrene Rd #104
Tempe, AZ 85284

As an allowance, we could prepare a letter (draft and final) which would address pavement design of the parking lot planned on the west side of 91st Avenue. This work could be performed for a lump sum fee of \$4,500. This would include the drilling of one additional boring to a dept of 5 feet, minor lab testing and the preparation of a draft and final letter report.

If you have any questions or require additional information pertaining to this proposal, we would be pleased to discuss them with you.

Sincerely,
ETHOS ENGINEERING LLC



Keith Dahlen, PE
Principal/Senior Geotechnical Engineer

Reviewed By:



Francisco J. Garza, PE
Principal/Senior Geotechnical Engineer

t:\2025xxx - kha - 91st avenue ped bridge\91st avenue ped bridge_geotech proposal_ethos r0_033125.docx



9180 S. Kyrene Rd #104
Tempe, AZ 85284

**ATTACHMENT B
4LINE STUDIOS
SCOPE OF SERVICES FOR
ARCHITECTURAL DESIGN**



4Line Studio LLC
3134 E. McKellips Road Unit 85
Mesa, Arizona 85213
www.4linestudio.com

Charlie Golek
Kimley Horn
1661 E Camelback Rd # 400
Phoenix, AZ 85016

Charlie,

We are pleased to provide our proposal of services for the 91st Ave Pedestrian Bridge project in Tolleson, Arizona

This proposal is valid for 45 days from its date of issuance.

If you have any questions or concerns, please do not hesitate to reach out!

Sincerely,

Chris Ford

Chris Ford
4Line Studio LLC
3134 E. McKellips Road Unit 85
Mesa, Arizona 85213
480-251-2048
cford@4linestudio.com



4Line Studio LLC
3134 E. McKellips Road Unit 85
Mesa, Arizona 85213
www.4linestudio.com

Exhibit A – Scope of Work

Project Scope

Our understanding of the project scope is as follows:

Kimley Horn is providing full service design and documentation services for a new pedestrian bridge spanning 91st Avenue located in Tolleson, Arizona. The project is being done through a design-build contract with Haydon Construction leading as the Design-Builder

4Line Studio will provide architectural services for two (2) elevators as part of the overall bridge connection project. 4Line Studio will be responsible for the design, layout, and specification of the elevator and corresponding shaft and the required coordination with the MEP, Structural, Civil, and Landscape teams as required to deliver a buildable and permittable architectural construction document set.



P25014 – Tolleson 91st Ave Bridge Elevator
03.28.2025

Page 2 of 8



4Line Studio LLC
3134 E. McKellips Road Unit 85
Mesa, Arizona 85213
www.4linestudio.com

Task 1.0 - Schematic Design

Task 1.1 - Architectural Services – As part of this phase 4Line Studio will work with Kimley Horn, the City of Tolleson, and the chosen elevator vendor to make the required elevator selection and coordinate the overall elevator shaft size and location within the overall project scope. **As part of this phase 4Line Studio will attend up to one (1) in person meetings and two (2) virtual meetings with the client.**

Task 2.0 - Design Development

Task 2.1 - Architectural Services – Based on the approved SD package, 4Line Studio will develop the design in further detail as needed, including the development of the exterior design of the elevator shaft enclosure. Further coordination Kimley Horn, the City of Tolleson, and the chosen elevator will be provided as required to assist the overall project team in developing the corresponding design development documentation. Finally, outline specifications based on anticipated 100% specification deliverables will be provided as part of this phase's deliverables. **As part of this phase 4Line Studio will attend up to one (1) in person meetings and two (2) virtual meetings with the client.**

Task 3.0 - Construction Documents

Task 3.1 - Architectural Services –Based on the approved DD package, 4Line Studio will continue to develop the design and drawings to furnish a complete set of documents suitable for plan review, Contractor bidding, and construction. As part of this phase 4Line Studio will coordinate the drawings and specifications and incorporate into the final CD package/Contract Documents. Progress deliverables during this phase will be provided at a 90% milestone prior to the 100% signed and sealed construction document set. **As part of this phase 4Line Studio will attend up to one (1) in person meetings and two (2) virtual meetings with the client**

4Line Studio LLC will develop architectural drawings for the use in permitting and construction. The following drawings are anticipated as part of this phase.

A100: General Notes And Reference Site Plan / Egress PPlan
A200 + A201: Architectural Slab Plan, Floor Plan, RCP, and Roof Plan
A300: Exterior Elevations
A400: Sections
A600: Details

Architectural Specifications (to be formatted per Kimley Horn). Specifications to be prepared for architectural scope related to the elevator only



4Line Studio LLC
3134 E. McKellips Road Unit 85
Mesa, Arizona 85213
www.4linestudio.com

Task 4.0 - Construction Administration

Task 4.1 - Architectural Services – As part of this phase 4Line Studio LLC will provide the following construction administration services as part of this basic service agreement.

Site Visits – 4Line Studio LLC shall visit the site at intervals appropriate to the stage of construction up to two (2) times in order to observe the progress and quality of the Work completed. Such visits and observation are not intended to be an exhaustive check or a detailed inspection of the Contractor's Work but rather are to allow the Consultant to become generally familiar with the Work in progress and to determine, in general, if the Work is proceeding in accordance with the Contract Documents. Based on this general observation, the Consultant shall keep the Client informed about the progress of the Work and shall advise the Client about observed deficiencies in the Work. The Consultant shall not supervise, direct or have control over the Contractor's Work nor have any responsibility for the construction means, methods, techniques, sequences or procedures selected by the Contractor nor for the Contractor's safety precautions or programs in connection with the Work. These rights and responsibilities are solely those of the Contractor in accordance with the Contract Documents. The Consultant shall not be responsible for any acts or omissions of the Contractor, any subcontractor, any entity performing any portions of the Work or any agents or employees of any of them. The Consultant does not guarantee the performance of the Contractor and shall not be responsible for the Contractor's failure to perform its Work in accordance with the Contract Documents or any applicable laws, codes, rules or regulations.

Request For Information (RFI) Review - The Contractor may, after exercising due diligence to locate required information, request from the Consultant clarification or interpretation of the requirements of the Contract Documents. The Consultant shall, with reasonable promptness, respond to such Contractor's requests for clarification or interpretation.

Shop Drawing Review - The Consultant shall review and approve or take other appropriate action on the Contractor submittals, such as shop drawings, product data, samples and other data, which the Contractor is required to submit, but only for the limited purpose of checking for conformance with the design concept and the information shown in the Construction Documents. This review shall not include review of the accuracy or completeness of details, such as quantities, dimensions, weights or gauges, fabrication processes, construction means or methods, coordination of the Work with other trades or construction safety precautions, all of which are the sole responsibility of the Contractor. The Consultant's review shall be conducted with reasonable promptness while allowing sufficient time in the Consultant's judgment to permit adequate review. Review of a specific item shall not indicate that the Consultant has reviewed the entire assembly of which the item is a



4Line Studio LLC
3134 E. McKellips Road Unit 85
Mesa, Arizona 85213
www.4linestudio.com

component. The Consultant shall not be responsible for any deviations from the Construction Documents not brought to the attention of the Consultant in writing by the Contractor. The Consultant shall not be required to review partial submissions or those for which submissions of correlated items have not been received. Any Contractor field changes, resulting from value engineering, differences from design specifications or Client revisions that require revision to the drawings will be considered additional scope.

Project Assumptions

- Construction will be not be phased and drawing packages will not be phased.
- All deliverables will be digital. Any physical printing/shipping will be billed as a reimbursable expense at the Client's expense with a 10% markup
- All travel expenses are included in the fees above for the number of in person meetings listed in Exhibit A.



4Line Studio LLC
3134 E. McKellips Road Unit 85
Mesa, Arizona 85213
www.4linestudio.com

Project Exclusions:

- Civil, Structural, Mechanical, Electrical, or Plumbing Engineering Services
- Landscape Design Services
- Permit, Application, Design Review Fees
- Review and Evaluation of Value Engineering Proposed By Others
- Energy Modeling
- Estimation Of Construction Schedule
- Material Inspection, Sampling and Testing Services
- Geotechnical Testing and Inspections
- Topographic/Boundary/Utility Survey
- Environmental Assessments
- Asbestos, Lead, and Hazardous Material Abatement and Removal
- Delegated Design Items (Structural or Otherwise)
- Building Signage + Other Non-Code Required Signage
- Rezoning Submittals/Presentations
- Special City Inspections
- Specifications and Analysis for Pre-Purchase of Equipment
- Multiple Permit Packages Or Bid Package
- Review of, and Response to, Design Review by Outside Consultants
- LEED/SITES/WELL Building Design
- Bidding Negotiation
- 3rd Party Utility Coordination (Except as Noted)
- Fire Alarm/Fire Sprinkler Design
- Lightning Protection Design
- Furniture Procurement
- Traffic Engineering or Studies
- Fire Flow Tests
- IT/AV or Security Design
- Acoustical Analysis/Design
- Construction Management Services/Cost Estimation
- Low Voltage Landscape Lighting Design
- Construction Staking
- NOI (Notice of Intent) Application By Contractor
- Sub-Surface Exploration
- Vibration Analysis
- Meetings Beyond Those Specified In This Document



4Line Studio LLC
3134 E. McKellips Road Unit 85
Mesa, Arizona 85213
www.4linestudio.com

Exhibit B -Fees

The scope of Work outlined in Exhibit A shall be completed for the fees outlined below

Task 1.0 – Schematic Design	\$5,000.00
Task 1.1 – Architectural Services	\$5,000.00
Task 2.0 – Design Development	\$5,000.00
Task 2.1 – Architectural Services	\$5,000.00
Task 3.0 – Construction Documents	\$5,000.00
Task 3.1 – Architectural Services	\$5,000.00
Task 4.0 – Construction Administration	\$3,000.00
Task 4.1 – Architectural Services	\$3,000.00
 Basic Services Total	 \$18,000.00
 4Line Studio LLC Hourly Rates	
Architect/Landscape Architect	\$185.00/hr

4Line Studio reserves the right to markup all Consultant's fees hired directly by 4Line Studio LLC by 10%. This markup (if applicable) is reflected in the numbers above. This markup will be applied to any additional services required by outside Consultants hired by 4Line Studio LLC



4Line Studio LLC
3134 E. McKellips Road Unit 85
Mesa, Arizona 85213
www.4linestudio.com

If this proposal meets with your approval, please indicate by signing and returning one copy for our file. Work shall not proceed without signed authorization. Please prepare and transmit to us an agreement accordingly, or prepare a supplemental letter accordingly, and issue a Purchase Order accordingly. We look forward to working with you on this project.

AGREED TO AND ACCEPTED:

Client

Signature

Printed Name

Date

Company

Consultant (4Line Studio LLC)

Chris Ford

Signature

Chris Ford

Printed Name

03.28.2025

Date

4Line Studio LLC

Company





CITY COUNCIL REPORT

SUBJECT: Blue Cross Blue Shield of Arizona Professional Services Agreement - Medical Benefits

MEETING DATE: April 22, 2025

TO: Mayor and Council

FROM: Wendy Jackson, Deputy City Manager/Employee Resources Director

REVIEWED: Reyes Medrano Jr., City Manager

PURPOSE:

Request to authorize the City Manager to enter into a Professional Services Agreement with Blue Cross Blue Shield of Arizona (BCBSAZ) for medical insurance benefits for eligible City employees and their dependents. The agreement will be effective from July 1, 2025, through June 30, 2027, and includes an option to renew for one additional year. The annual not-to-exceed amount of the agreement is \$6 million. To secure continued access to comprehensive, cost-effective medical insurance coverage for City employees and their families, supporting employee wellness, retention, and competitive total compensation practices.

BACKGROUND:

The City of Tolleson conducted a competitive Request for Qualifications (RFQ) process to evaluate medical insurance providers based on service quality, network strength, cost-effectiveness, and overall value. Through this process, Blue Cross Blue Shield of Arizona (BCBSAZ) was selected as the most qualified provider to continue delivering the City's medical insurance benefits.

BCBSAZ has been a long-standing provider of medical coverage for the City, consistently offering reliable service, comprehensive healthcare access, and strong support for employees and retirees. This action allows the City to enter into a new agreement with BCBSAZ beginning in Fiscal Year 2026, for a period of two years, ensuring uninterrupted coverage and administrative continuity.

DISCUSSION:

The City's current medical insurance agreement with Blue Cross Blue Shield of Arizona (BCBSAZ) was entered into in Fiscal Year 2024 for a two-year term and is set to expire on June 30, 2025. The proposed agreement will cover the period from July 1, 2025 through June 30, 2027, with an option to renew for one additional year.

The total annual cost shall not exceed \$6 million, and funding will continue under the existing cost share model with employees. This agreement will maintain consistent access to high-quality medical benefits and supports the City's commitment to employee wellness and retention.

BUDGET IMPACT:

Funding for this agreement is included in the Employee Resources Department's annual operating budget. The total annual cost shall not exceed \$6 million. The City will continue utilizing the current cost share model, in which both the City and employees contribute toward premium costs.

RECOMMENDATION:

Staff recommends that the Council authorize the City Manager to enter into a two-year agreement with Blue Cross Blue Shield of Arizona to provide medical insurance benefits for eligible employees, retirees, and their dependents, effective July 1, 2025 through June 30, 2027, with an option to renew for one additional year. The agreement shall not exceed \$6 million annually, and will continue under the existing cost share model.

ATTACHMENTS:

None



BUDGET FY 2026 WORK- STUDY

April 22, 2025



FOLLOW UP ON QUESTIONS FROM 4/8

- **FTE Count by Department – Schedule Attached**
 - 274.5 with current year additions
- **Cost of 4% COLA - all employees \$163K**
- **Discretionary funds increase \$3k per account**
- **Increase special projects in Council to \$50k (\$35k teen council \$15k SP)**
- **Enhancements to Paseo de Luces – current year to address**
- **Traffic Light timing – Traffic study May 27, 2025**
- **Sport Courts Veterans Park – Planning process**
- **Shade structure Community Garden – Balance of Aquatic contingency fund**
- **Art projects Van Buren – TIA projects**

CITY OF TOLLESON
UPDATED WORKING TRIAL BALANCE
FOR FISCAL YEAR 2026

FUND	ESTIMATED BALANCE 7/1/2025	REVENUES	TRANSFER IN	EXPENDITURES	TRANSFER OUT	ESTIMATED BALANCE 6/30/2026
1000 - GENERAL FUND	\$ 79,827,712	\$ 49,651,050		\$ 71,587,080	\$ 13,059,400	\$ 44,832,282
2200 - HURF	\$ 488,000	\$ 945,000		\$ 1,345,000		\$ 88,000
2500 - IMPOUND FUND	\$ 13,806	\$ 10,000	\$ 30,000	\$ 51,050		\$ 2,756
2600 - PUBLIC SAFETY FUND	\$ 11,768,385	\$ 8,305,000		\$ 8,383,000		\$ 11,690,385
2900 - JCEF	\$ 250,004	\$ 78,000		\$ 139,320		\$ 188,684
3100 - FUND GRANTS FUND		\$ 56,733,110		\$ 56,246,699		\$ 486,411
3200 - AAA FUND		\$ 228,654	\$ 1,029,400	\$ 1,072,054		\$ 186,000
3500 - NON-FEDERAL GRANTS FUND		\$ 954,110		\$ 954,110		\$ -
4100-4900 - DEBT SERVICE FUNDS	\$ 89,509	\$ 4,408,500	\$ 2,000,000	\$ 6,444,613		\$ 53,396
5100 - AQUATIC CENTER AND PARKS	\$ -	\$ 21,000,000	\$ 10,000,000	\$ 31,000,000		\$ -
6100 - WATER FUND	\$ 13,227,915	\$ 8,931,700		\$ 20,933,000		\$ 1,226,615
6200 - SANITATION FUND	\$ 497,442	\$ 480,500		\$ 532,500		\$ 445,442
6300 - WASTE WATER FUND	\$ 15,585,186	\$ 27,128,450	\$ 194,000	\$ 32,320,400		\$ 10,587,236
6400 - SEWER FUND	\$ 1,568,136	\$ 1,856,300		\$ 2,423,700	\$ 194,000	\$ 806,736
TOTAL	\$ 123,316,095	\$ 180,710,374	\$ 13,253,400	\$ 233,432,526	\$ 13,253,400	\$ 70,593,943



ADDITIONS TO STAFFING

- Utilities Engineer
 - Combined Water and Wastewater

BUDGETED SALARY INCREASES

The consumer price index for all items for the 12-month period ending February 2025 is 2.8%.

Non-Public Safety:

- Salary range adjusted by 5% and budgeting for 4% cost of living adjustment
- Merit – Leading category 2-5% depending on range placement
- Merit – Performing category 1-4% adjustment depending on range placement

Public safety (Police – Sergeant and down: Fire – Captain and down)

- Police - Salary range adjusted by 8% and budgeting for a 4% cost of living adjustment
- Fire – Salary range adjusted by 5% and budgeting for a 4% cost of living adjustment
- Merit – Leading category 2-5% depending on range placement
- Merit – Performing category 1-4% depending on range placement
- Paramedic pay increased to \$3.10/hr

BUDGETED SALARY INCREASES

COLA	At 3%	At 4%	Difference
General	\$628,000	\$716,000	\$88,000
All Funds	\$749,000	\$912,000	\$163,000
Merit			
General	\$657,000	\$657,000	\$0
All Funds	\$785,000	\$785,000	\$0
Total			
General	\$1,285,000	\$1,373,000	\$88,000
All Funds	\$1,534,000	\$1,697,000	\$163,000



DEPARTMENT BUDGET PRESENTATIONS

ALL OTHER FUNDS

ORG	DEPARTMENT	2025 BUDGET	2026 BUDGET REQUEST	BUDGET DOLLAR CHANGE	BUDGET PERCENT CHANGE
22310201	Streets	1,370,000	1,345,000	(25,000)	-1.82%
31213101	Homeland Security	69,720	69,720	0	0.00%
31212103	GOHS	32,000	61,629	29,629	92.59%
31617115	2025 Federal Appropriations	9,500,000	12,500,000	3,000,000	31.58%
31115116	Brownfield Grant	500,000	440,000	(60,000)	-12.00%
31611114	ARPA Housing Grant	1,000,000	325,000	(675,000)	-68.33%
31617105	Well 8	3,634,000	3,634,000	0	0.00%
31611119	CAP Grant	0	199,700	199,700	100%
31611120	Senior Socialization	0	393,650	393,650	100%
31310106	Grant - 91 st Ave Connector	25,000,000	25,000,000	0	0.00%
31617107	Fed Appropriation - Well site 9	1,950,000	1,950,000	0	0.00%
31617108	Fed Appropriation - Wastewater	4,500,000	4,500,000	0	0.00%
31310106	Fed Appropriation - Pedestrian Bridge	4,000,000	4,000,000	0	0.00%
35212501	High School safety Officer	245,780	245,780	0	0.00%
35212504	Elementary School Officer	108,330	108,330	0	0.00%
31617110	Fed Appropriation - Well 1	3,173,000	3,173,000	0	0.00%
32611211	AAA Congregate	303,119	403,719	100,600	33.19%
32611212	AAA Home delivered	285,566	262,516	(23,050)	8.07%
32611213	AAA MCSO	256,319	279,119	22,800	8.90%
32611214	AAA Transportation	134,700	126,700	(8,000)	-5.94%
25212501	Impound	49,000	51,050	2,050	4.18%
26213602	PS Fire	3,465,000	3,465,000	0	0.00%
26212601	PS Police	5,696,000	4,918,000	(778,000)	13.66%

ALL OTHER FUNDS

ORG	DEPARTMENT	2025 BUDGET	2026 BUDGET REQUEST	BUDGET DOLLAR CHANGE	BUDGET PERCENT CHANGE
29106901	Judicial Collection Admin	128,220	139,320	11,100	8.66%
51115199	Aquatic Center	21,000,000	31,000,000	10,000,000	47.62%
42007210	DS PS	622,400	622,000	(400)	-0.06%
43007310	DS GO 2010	388,880	388,900	20	0.01%
44007510	DS GO 2020 Water	393,525	396,825	3,300	0.84%
45007710	DS GO 2020 Fire	216,320	220,470	4,240	1.96%
48007810	DS GO 2020 WWT	55,360	56,418	1,058	1.91%
49007910	DS 2019	858,750	860,000	1,250	0.158%
47007799	DS 2023 GO Aquatic Center	3,800,000	3,900,000	100,000	3.00%
35212520	AZ 911	0	100,000	100,000	100%
61017110	Water	9,474,200	10,083,000	608,800	6.43%
61017170	Capital Outlay Water	9,210,000	10,850,000	1,640,000	17.81%
62010210	Sanitation	498,100	532,500	34,400	6.91%
63017310	WWTP Billed	9,606,700	9,579,200	(27,500)	-0.29%
63017330	WWTP Billed Legal	40,000	25,000	(15,000)	-37.50%
63017320	WWTP Pretreatment	361,300	386,200	24,900	6.89%
63017370	Capital Outlay WWTP	275,000	275,000	0	0%
63017380	WWTP RC4	18,435,000	22,055,000	3,620,000	19.64%
64017410	Sewer	1,870,200	1,848,700	(21,500)	-1.15%
64017470	Sewer Capital	<u>4,550,000</u>	<u>575,000</u>	<u>(3,975,000)</u>	<u>-87.36%</u>
	Total	145,056,399	161,845,446	16,789,047	12.50%



HURF

Department 2231 0201

Budget decreased by \$25,000 or 1.82%.

- Decrease in contractual service



AAA FUNDS

Department 32611211 to 32611214

Budget increased by \$92,350 or 9.43%.

➤ Increase is in wages and benefits.

PUBLIC SAFETY - FIRE

Department 26213602

Budget did not change.

- Capital requests: \$570,000
 - SCBA Pro Packs - 22 \$300k
 - Replacement Vehicles \$190k
 - Rescue Struts \$30k
 - Wildland Gear \$20k
 - Fire Blankets \$6k
 - Water rescue equip \$4k



PUBLIC SAFETY - POLICE

Department 26212601

Budget decreased by \$778,000 or -13.66%.

- Decrease is in Capital – take home vehicles.
 - Take Home Vehicles \$(800k)



DEBT SERVICE FUNDS

Department 42007210-49007910

- Budget increased by \$9,468 or 0.01%.
- Budget includes Aquatic Center bond repayment

WATER

Department 61017110

Budget increased by \$608,800 or 6.43%

- Increase in wage and benefits \$222k
- FTE Engineer increase \$120k
- Increase in water treatment costs 250k

WATER - CAPITAL

Department 61017170

Budget increased by \$1,640,000.

WATER - 6170 61017170

Software	60006	\$ 250,000
Buildings	60001	\$ 350,000
MOTOR VEHICLES	60005	\$ 350,000
Interconnect Avondale/Phx	60007	\$ 500,000
EDR 7 Stack	60007	\$ 450,000
Equipment (Meters, Pumps, Acid tank, etc)	60004	\$ 300,000
Storage tank site 4 Carry over	60007	\$ 3,500,000
Well 9 outfitting Carry Over	60007	\$ 5,000,000
SCADA upgrades Carry over	60007	\$ 150,000
TOTAL		\$ 10,850,000



SANITATION

Department 62010210

Budget increased by \$34,400 or 6.91%.

➤ Increase in contractual services \$35k



WWTP

Department 63017310

Budget decreased by \$27,500 or -0.29%.

- Wage and Benefits increase 137k
- FTE Engineer – increase 120k
- Water treatment and maintenance decrease -275k

WWTP - CAPITAL

Department 63017370

Budget did not change.

WASTE WATER TREATMENT - 6370 63017370

Capital under \$5k

600010

\$ 75,000

OTHER MISC EQUIPMENT

60004

\$ 200,000

TOTAL

\$ 275,000

WWTP – CAPITAL RC4

Budget increased by \$3,620,000 or 19.64%

WWTP -RC4- ALL PARTNERS - 6380 63017380

BUILDINGS & IMPROVEMENTS	60002	\$ 525,000
Equipment	60004	\$ 1,060,000
Vehicles	60005	\$ 580,000
DIGESTER 4/DSST REHAB (New and Carryover)	60012	\$ 7,500,000
DISINFECTION SYSTEM(C/O)	60012	\$ 2,500,000
CLARIFIER #2 REHAB	60012	\$ 2,500,000
TRICKLING FILTERPUMP REHAB (C/O)	60012	\$ 250,000
Primary Influent Channel Rehab CO	60012	\$ 400,000
PRIMARY CLARIFIER #3 FEQ #6	60012	\$ 1,100,000
ELECTRICAL AND STRUCTURE UPGRADES	60012	\$ 5,000,000
North Belt Filter Press Rehab CO	60012	\$ 180,000
Belt Thickener Rehab CO	60012	\$ 150,000
Misc. SCADA/Instrumentation Upgrades CO	60012	\$ 310,000
TOTAL		\$ 22,055,000



SEWER

Department 64017410

Budget decreased by \$21,500 or -1.15%.

- Increases in wages and benefits \$78k
- Decrease in professional services -\$100K

SEWER – CAPITAL

Department 64017470

Budget decreased \$3,975,000 or 87.36%.

SEWER - 6470 64017470

MINI EXCAVATOR	60004	\$	50,000
BUILDING	60002	\$	125,000
EMERGENCY REPAIRS	60008	\$	250,000
LIFT STATION 10 REHAB	60008	\$	150,000
TOTAL		\$	575,000



PROPOSED TIMELINE

- May 13, 2025 - City Council adopts Tentative Fiscal Year 2025-2026 Budget.
- June 10, 2025 - City Council approves Fiscal Year 2025-2026 Budget and holds property tax hearing.
- June 24, 2025 - City Council adopts the Property Tax Levy.

A decorative wavy line in shades of yellow and red spans the top of the slide.

Any
Questions?

DEPARTMENT AND COUNT	TITLE
----------------------	-------

Department: 10101010 Mayor and Council

	1 Mayor
	1 Vice Mayor
	5 Council Member
	7

Department: 10102020 City Management

	1 City Manager
	1

Department: 10102020 Public Affairs Administration

	1 Director	
	1 Administrator	Removing from Streets and adding to PA
	4 Management Support Coordinator	
	6	

Department: 10111141 Housing Services

	1 Management Support Assistant
	1 Human Services Program Manager
	2

Department: 10104040 City Clerk

	1 Director
	1 Management Support Administrator
	2

Department: 10105050 Employee Resources

	1 Director
	1 Manager
	2 Administrator
	2 Technician
	6

Department: 10106060 City Magistrate

	1 Magistrate
	1

Department: 10106061 Court Administration

	1 Court Administrator	
	1 Court Supervisor	
	1 Court Technician	Remove 1 FTE for FY 26
	3	

Department: 29106901 Judicial Enhancement

	1 Court Technician
	1

Department: 10107070 Finance

	1 Director
	1 Assistant Director
	1 Manager
	2 Sr. Accountant
	1 Procurement
	1 Fiscal Specialist Utility
	1 Fiscal Specialist Payroll
	1 Fiscal Technician

DEPARTMENT AND COUNT	TITLE
----------------------	-------

	2 Customer Service Assistant
11	

Department: 10108100 Information Technology

	1 Director
	1 IT System Security Administrator
	1 IT System Administrator
	2 IT Support Coordinator (Additional FTE charged to PD)
	1 Management Support Specialist
	1 IT Support Specialist
7	

Department: 10212150 Police - Administration

	1 Director (Sworn)
	1 Assistant Chief
	1 Management Support Specialist
	1 Code Compliance Worker (Animal Control)
	1 Code Compliance Worker (Code Enforcement)
	4 Management Support Technician
9	

Department: 10212151 Police - Support Services

	1 Manager
	1 Public Safety Dispatch Manager
	2 Public Safety Dispatch Supervisor
	1 IT Support Coordinator
	0.5 Management Support Specialist (Training)
	16 Public Safety Dispatch
21.5	

**Department: 10212153 - Police Field Operations
(1064)**

	2 Lieutenant
	4 Detective
	1 Detective Sergeant
	4 Police Sergeant
	23 Police Officer
	3 SRO (AZ Desert High and University)
	5 Police Reserve
37	Sworn
5	Reserve

Department: 10409110 - Library

	1 Director
	1 Librarian
	1 Library Coordinator
	1 Library Technology Specialist
	1 Management Support Specialist
	2.5 Library Assistant
	1 Library Specialist
	2 Library Aide (Part-time Positions)
	1 Passport (pending funding)
11.5	

Department: 10213160 - Fire Administration

	1 Director (Sworn)
	1 Deputy Fire Chief

DEPARTMENT AND COUNT	TITLE
	1 Manager (Sworn)
	1 Manager (Sworn)
	1 Manager (Sworn)
	1 Fire Marshall
	1 Management Support Specialist
	7

Department: 10214165 - Fire Operations

	6 Fire Captain
	6 Fire Engineer
	1 Fire Engineer HAZMAT
	15 Firefighter
	28

Department: 10214165 - Emergency Preparedness

	0 Chief of Preparedness	Moved to Human Services Director
	0	

Department: 10410130 - Aquatics Center

	1 Superintendent	Request FY 26
	1 Specialist	Request FY 26
	2	

Department: 10110120 - Field Operations Vehicles

	1 Trades Specialist Senior
	1 Trades Worker
	1 Trades Technician
	3

Department: 1011012 - Field Operations Grounds

	2 Maintenance Worker II
	2

Department: 10110122 - Field Operations Buildings

	1 Supervisor
	1 Maintenance Specialist
	1 Maintenance Specialist (Janitor Lead)
	1 Maintenance Technician
	3 Maintenance Worker I Janitor
	1 HVAC
	8

Department: 10215170 - Inspections

	1 Chief Building Official
	1 Code Compliance Technician (GIS)
	1 Code Compliance Technician
	1 Management Support Technician
	1 Management Support Specialist
	5

Department: 10310123 - Streets

	1 Manager
	1.5 Management Support Specialist
	2 Maintenance Technician Streets
	1 Trades Specialist, Sr.

DEPARTMENT AND COUNT	TITLE
	1 Maintenance Specialist Streets Lead
	2 Maintenance Worker Streets
	Trades Specialist
8.5	Moving to Public Affairs
Department: 10111140 - Human Services	
	1 Director
	0.5 Human Services Assistant
	2 Human Services Specialist
	1 Human Services Coordinator
	1 Human Services Technician
	1 Management Support Specialist
6.5	
Department: 10410125 - Field Operations Parks	
	1 Director
	2 Maintenance Worker II
	1 Maintenance Specialist Lead
	1 FOps Superintendent
5	
Department: 10416180 - Parks & Recreation	
	1 Superintendent
	1 Management Support Specialist
	1 Management Support Assistant
	4 Recreation Coordinator Events
	8 Recreation Program Assistant (Part time 14 total FY 25) Request 2 Part time positions for FY 26
	2 Recreation Program Specialist
17	
Department: 10416181 - Teen Council	
	1 Recreation Coordinator
1	
Department: 10105051 - Economic Development	
	1 Director
1	
Department: 10515172 - Engineering	
	1 Dev Services Manager
	1 City Engineer
2	
Department: 32611211 - Agency	
	1 Human Services Technician (Cook)
	2 Human Services Assistant (Cook Asst)
3	
Department: 32611213 - AAA MSCO	
	1 Human Services Coordinator
	0.5 Human Services Technician
1.5	
Department: 32611214 - Community Services	
	2 Human Services Technician
2	

DEPARTMENT AND COUNT	TITLE
----------------------	-------

Department: 31611120 - ARPA Social Program

- 1.5 Human Services Technician Driver
- 1.5 Human Services Technician Programming

3

Department: 61017110 - Water

- 1 Manager
- 1 Utilities Supervisor
- 1 Maintenance Specialist
- 1 Trades Specialist Instrumentation SCADA
- 3 Utilities Operator I Water
- 2 Utilities Operator II Distribution
- 3 Utilities Operator II Water

12

Department: 63017310 - WWTP Billed

- 1 Director
- 1 Assistant Director

1 Engineer	Request FY 26
------------	---------------

- 1 Manager
- 2 Utilities Supervisor
- 1 Maintenance Supervisor
- 1 Maintenance Specialist Lead Mechanic
- 3 Maintenance Technician Trades Utilities Mechanic
- 1 Maintenance Worker II Preventative
- 1 Management Support Coordinator
- 1 Management Support Specialist
- 2 Trades Specialist (Electrician)
- 1 Utilities Analyst
- 4 Utilities Operator I WWT
- 4 Utilities Operator II WWT
- 1 Utilities Operator II/Semi
- 1 Utilities Specialist (Safety)

27

Department: 63017320 - Pre Treatment

- 1 Utilities Specialist
- 1 Manager (Environmental)

2

Department: 64017410 - Sewer

- 2 Utilities Operator II Collections

DEPARTMENT AND COUNT	TITLE
	2

Summary Count

Department: Officials	7
Department: City Management	1
Department: PubAffair	6
Department: Housing	2
Department: City Clerk	2
Department: HR	6
Department: City Magistrate	1
Department: Court Administration	3
Department: Judicial Enhancement	1
Department: Finance	11
Department: IT	7
Department: Police Administration	9
Department: Support Services	21.5
Department: Field Operations	37
Department: Library	11.5
Department: Administration	7
Department: Operations	28
Department: Preparedness	0
Department: Aquatics Parks Maintenance	2
Department: Vehicle Maintenance	3
Department: Grounds	2
Department: Building Maintenance	8
Department: Inspections	5
Department: Streets	8.5
Department: Human Services	6.5
Department: Parks Maintenance	5
Department: Parks Recreation	17
Department: Teen Council	1
Department: Economic Dev	1
Department: Engineering	2
Department: Agency	3
Department: AAA MSCO	1.5
Department: Community Services	2
Department: Water	12
Department: WWTP Billed	27
Department: Pre Treatment	2
Department: Sewer	2
Department: ARPA	3
Total FTE	274.5



Tolleson Fire Department

MONTHLY REPORT

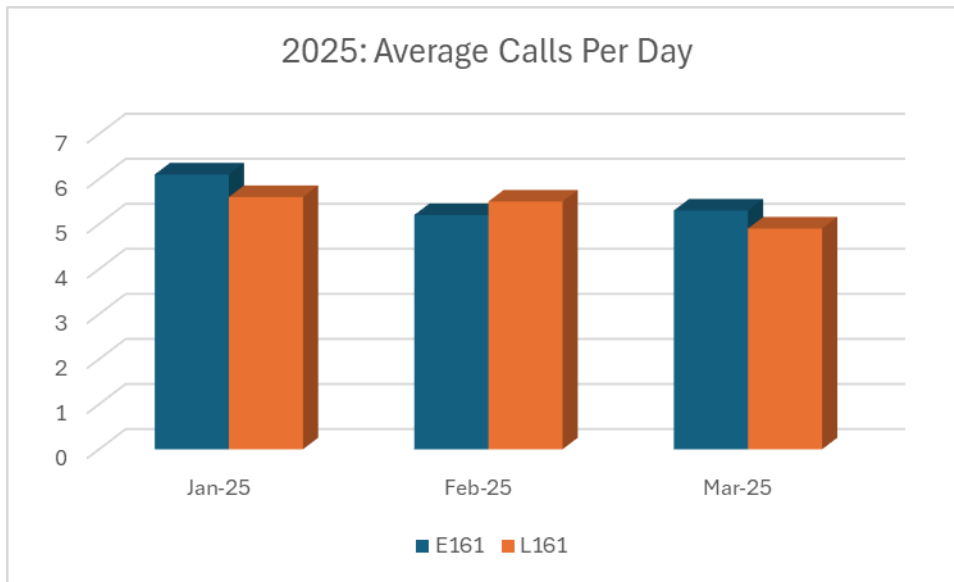
MARCH 2025



Operations

March Call Volume

For March, Engine 161 ran 167 calls (5.3 calls per day), and Ladder/LT161 ran a combined 151 calls (4.9 calls per day).



Personnel

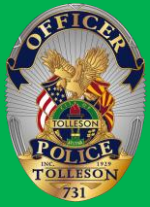
- FTEs
 - Firefighters – 15 / 1 vacant
 - Engineers – 7 / 0 vacant
 - Captains – 5 / 1 vacant
 - Battalion Chiefs – 2 / 1 vacant
- Promotions/New Hires
 - We conducted a promotional process for the position of battalion chief. A job offer was extended to Matthew Weaver. Matt comes to us from the Rural Metro Fire Department, where he has spent four years as a battalion chief. Before that, Matt spent over 18 years with the South Metro Fire Rescue Department in Colorado. Matt has a Bachelor of Science in Organizational Leadership from the University of Louisville and a Master's in Emergency Services

Management from Columbia Southern University. Matt will start with us April 28.

- Lateral Firefighter Joe Palacio started with us last month after completing a 6-week bridge academy at the Glendale Academy. Joe comes to us from the Los Angeles Fire Department, where he spent 8 years as a firefighter.
- Firefighter-Recruit AJ Nickens is in the academy and expected to graduate on April 18, 2025.
- A promotional process for the position of captain is taking place throughout April.
- Certifications & Education
 - Deputy Chief Jack Garrison received a Bachelor of Science in Fire Administration, with honors, from Columbia Southern University
 - The following members received their Associate's Degrees recently: Daniel Hayes, Sati McCalla, Sean Lucas
 - Six members recently completed and passed the Brave Fire Leader Academy: Kassie Gilman, Bodie Grimm, Sean Lucas, Sati McCalla, Jeremy Payne, and Mike Rose. The Brave Fire Leader Academy is an online 10-session cohort program over 2 1/2 months that addresses several critical areas, such as being an effective leader during change, personnel management, resource allocation, budgetary oversight, political navigation, public interactions, and media relations.
 - 5 members met all requirements to be on the Wildland Team: Marcial Egurrola, Travis Hallas, Sean Krienke, Tyler Nguyen, and Patrick Micula.
 - Marciel Egurrola completed training for NFPA 1851 Standard on Selection, Care, and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting and will now oversee the care and cleaning of all PPE.
- SCBA
 - Sent in Air sample to Trace Analytics for quarterly testing
 - Sent in 3 SCBA Packs and 3 Regulators for repair work. Received them back and placed them back into service.
 - Ordered replacement parts to have on hand for our academy and front-line SCBA packs (5 shoulder straps and 10 waist straps). This will eliminate the downtime it takes to get the packs fixed and back in service.
 - 1-Pack from the academy brought back for repairs.

Fire Prevention

- 21 Inspections/reinspection/follow-ups
- 9 Records Request
- Special Hazards
 - JBS (EPA investigations ongoing)
 - New R-454B refrigerant being stored at three sites in Tolleson
 - Identify facilities that are working on electric facilities
 - MiTek hydrant access and large metal spool storage
- Plans reviews & Water Flow Tests
 - Kroger Construction Project
 - JBS expansion
 - Vanguard Project finalization
- Training
 - FEMA training for grocery distribution centers completed
 - Crowd Management Certification
 - Ken Fennema attend Ammonia tabletop exercise and training in downtown Phoenix
 - Chemical Safety W/lithium batteries
 - IIAR (International Institute of All-Natural Refrigeration Conference
 - AFBEA (Arizona Fire and Burn Educators Association) qtr. Training
- Completed walk-through and evaluation of Wastewater chlorine system
- Car seat program
 - During the month we inspected 4 car sets
 - Held a Car Seat clinic with Avondale Fire and Medical Department at Tolleson Fire Station
 - Inspected 7 car seats and gave out 4 new car seats
- Community Health Clinic
 - Administered 240 vaccines to 57 people



Tolleson Police Department

Monthly Report | March 2025



Table of Contents

Mission and Values	1
Staffing	2
Persons, Property, and Society Crime Data.....	3
Crash Data.....	4
Traffic Safety Data	4
Calls for Service and Dispatch Data	5
Special Unit Activity	6
Highlights and Outreach	8
Upcoming Community Events	9

Mission, Values, and Staffing

Mission of the Tolleson Police Department

The Mission of the Tolleson Police Department is to build strong community relationships and take the criminal element off the streets of Tolleson. These two things are not mutually exclusive, it's not one or the other.

**We will achieve our mission through a
commitment to these values:**

Be Nice

Dedicated to Service

Committed to Teamwork

Pride in Everything We Do

Uncompromising Integrity

Fair & Equitable Practices

The Tolleson Police Department is committed to treating everyone fairly and equitably. Continuing these practices, along with the community policing model, will continue to enhance our trust and partnership with the Tolleson community.

Total Staffing Summary Current		
Total Authorized Sworn		39
Current Operating Sworn		35
Officers in FTO Training		0
Police Recruits		3
Vacancies		1
Total Authorized Non-Sworn		27
Current Operating Non-Sworn		24
Total		66
Sworn Staffing by Assignment		
Assignment	Assigned	Vacant
Police Chief	1	0
Assistant Police Chief	1	0
Lieutenant	2	0
Sergeant	4	0
Investigations Sergeant	1	0
Police Officer	15	3
Investigations Detective	4	0
Community Action Team	2	0
Traffic Enforcement Officer	1	1
School Resource Officer	3	0
Civic Center Officer	1	0
Police Recruit	3	N/A
Total	38/39	N/A
Non-Sworn Staffing		
Assignment	Assigned	Vacant
Support Services Manager	1	0
Administrative Assistant	1	0
Communications Manager	1	0
Communications Supervisor	2	0
Communications Operator	13	3
Police Records Clerk	2	0
Property / Evidence Tech.	2	0
Police Assistant	2	0
Total	24	3



Persons, Property, and Society Crime Data

Persons Crimes					
Type	March		YTD		
	2024	2025	2024	2025	% Change
Homicide Incidents	0	0	0	0	0
Robbery Incidents	0	0	2	3	+50.00%
Sex Offense Incidents	2	0	8	3	-62.50%
Aggravated Assault Incidents	4	3	9	8	-11.11%
Simple Assault Incidents	18	13	45	35	-28.57%

Property Crimes					
Type	March		YTD		
	2024	2025	2024	2025	% Change
Burglary/Breaking & Entering Incidents	2	1	6	5	-16.67%
Vehicle Trespass & TFMV Incidents	6	9	14	15	+7.14%
Stolen Vehicles	7	6	19	12	-36.84%
Recovered Stolen Vehicles	7	3	37	17	-54.05%
- Recovered Tolleson	1	1	5	4	-20.00%
- Recovered Other	6	2	32	13	-59.37%
Shoplifting Incidents	35	24	111	76	-31.53%
All Other Theft Incidents	9	4	31	27	-12.90%

Society Crimes					
Type	March		YTD		
	2024	2025	2024	2025	% Change
Drug/Narcotic Incidents	11	7	34	26	-23.53%
Weapons Incidents	4	7	10	17	+70%

Crash Data

Motor Vehicle Crashes					
Crash Type	March		YTD		
	2024	2025	2024	2025	% Change
Fatal	0	0	1	0	-100%
Injury	7	10	32	32	0
Non-injury	21	29	72	85	+18.05%
Unknown	0	0	0	0	N/A
Total	32	39	77	78	+1.2%

Pedestrian / Bicycle Involved Crashes					
	March		YTD		
	2024	2025	2024	2025	% Change
Pedestrian	0	0	2	1	-50%
Bicycle	0	0	0	0	N/A

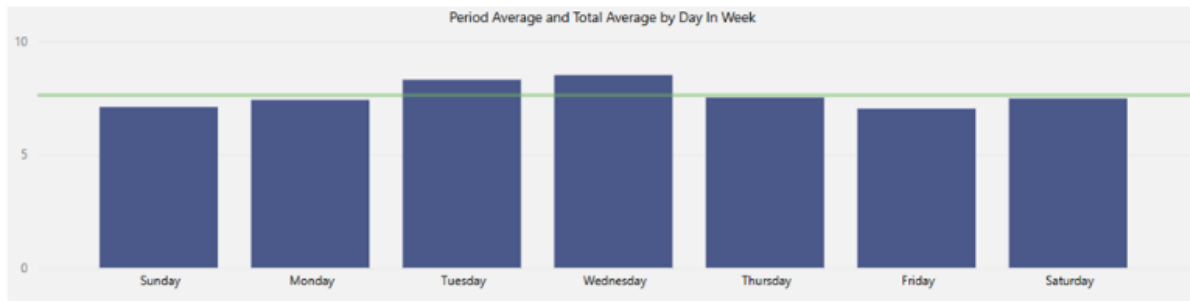
Traffic Safety Data

Traffic Safety Metrics					
	March		YTD		
	2024	2025	2024	2025	% Change
Traffic Stops	233	256	482	787	+63.27%
DUI Arrests Felony and Misdemeanor	17	12	33	44	+33.33%
Speed Citations	18	59	47	173	+268.08%



Calls for Service and Dispatch Data

Calls for Service Phone Call Summary (Dispatch Phones Only)



Total calls processed by Tolleson Police Communications in March 2025: **7,120**

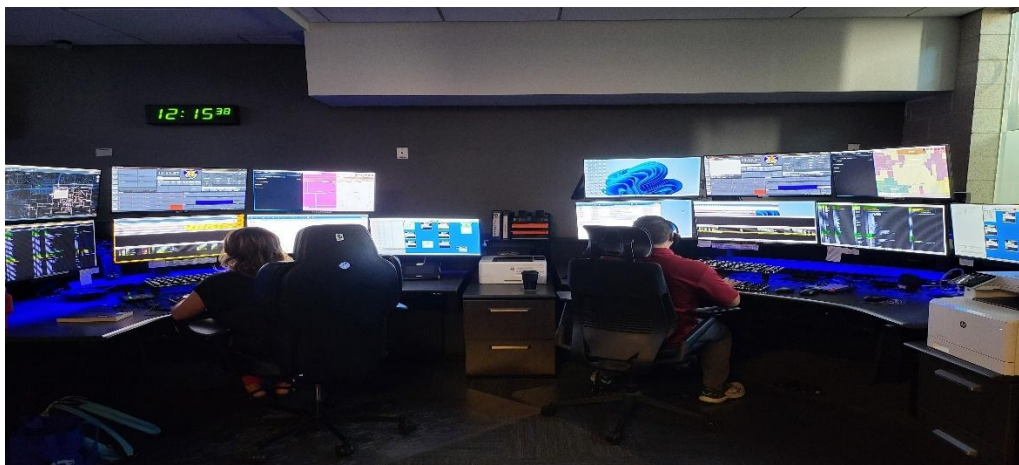
- **361** calls were transferred to the fire department
- **2,412** total 911 calls
- **4,708** total Administrative/Non-Emergency calls

NENA (National Emergency Number Association) Standards:

- Ninety percent (90%) of all 9-1-1 calls SHALL be answered within fifteen (15) seconds. **97.20 %**
- Ninety-five (95%) of all 9-1-1 calls SHOULD be answered within twenty (20) seconds. **95.28 %**

RESPONSE TIMES

Response Time Averages		
Priority	2024	2025
1	3:08	2:33
2	5:58	5:45
3	7:21	9:06





Dispatch Incident Distribution					
Agency	March		YTD		
	2024	2025	2024	2025	% Change
Tolleson PD	1477	1394	4274	4211	-1.47%
El Mirage PD	1916	2760	6243	7472	+19.69%
Tohono O'odham PD	300	464	985	1211	+22.94%
Total	3693	4618	11,502	12,984	+12.88%

Top 5 Call Natures for Citizen Initiated Calls for Service – Tolleson PD Only – March 2025

1. Citizen Assist 2. Suspicious Activity 3. Welfare Check 4. Unwanted Guest 5. Alarm Activation

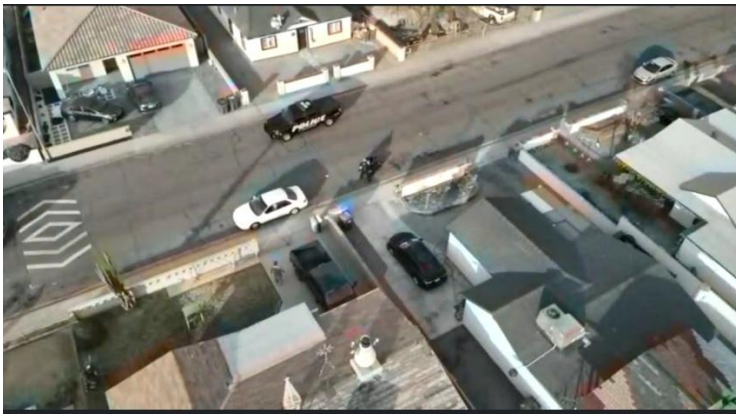
Special Circumstances Data					
Time Stamp	March		YTD		
	2024	2025	2024	2025	% Change
Possible Drug/Alcohol Overdose	0	3	1	3	+200.00%
Narcan Deployments	1	4	1	5	+400.00%
Narcan Saves	0	3	0	4	+400.00%
Vagrancy Calls for Service	10	10	43	46	+6.97%

Special Unit Activity

CAT (Community Action Team)					
Response Type	March		YTD		
	2024	2025	2024	2025	% Change
Drug Cases Opened	N/A	3	N/A	5	N/A
Drug Cases Closed	N/A	1	N/A	6	N/A
Drug Related Arrests Made	N/A	4	N/A	13	N/A

Evidence Seized:

- 7,418 Fentanyl Pills
- 174 grams of Fentanyl Powder
- 205 grams of methamphetamine
- \$3,262 in cash
- 3 Guns
- 1 Vehicle



Drone Deployments					
Response Type	March		YTD		
	2024	2025	2024	2025	% Change
Operations	N/A	10	N/A	10	

During the month of March, Tolleson Police Drone Pilots conducted 10 drone deployments for a variety of operations, including alarm activations of large businesses and properties and to gather images and video of a crime scene.

Police Assistant Activity (Civilian Staff)					
Response Type	March		YTD		
	2024	2025	2024	2025	% Change
Code Enforcement	59	30	140	101	-27.86%
Animal Related Calls	35	90	88	200	+127.27%
Parking Violations	30	47	223	309	+38.56%
Other Calls	21	13	32	40	+25.00%
Total	145	180	483	650	+34.57%



Highlights and Outreach

The Tolleson Police Department Christmas Angel Project teamed up with our employees, city personnel, and business partners to bless 35 families and 85 children with Christmas presents in 2024. We were overwhelmed by the outpouring of love and support for our citizens and extend a warm and humble thank you to all who made this Christmas special.



On Tuesday, March 25, 2025, the Tolleson Police Department hosted the West Valley Speed and Aggressive Driving Task Force in our City. This deployment was attended by traffic enforcement officers from Avondale PD, AzDPS, El Mirage PD, Glendale PD, Peoria PD, Phoenix PD, and Tolleson PD. These officers were responsible for making 135 traffic stops resulting in the following:

Criminal Speeding Citations – 1
Distracted Driving Citations – 2
20 Day Vehicle Impounds – 5

Civil Speeding Citations – 76
Other Citations – 40
Warnings - 28

Transfers and Promotions



On February 4th, 2025, Officer Sayaka Foley was transferred to the Criminal Investigations Bureau as a Detective!!!

On February 17, 2025, Dispatcher Tarah Robertson was promoted to Communications Supervisor!!!



CONGRATULATIONS!!!

Upcoming Community Events

- April 12 – Annual Easter Celebration with VFW
 - April 17 – Autism Walk 2025
- April 17 – Waffle House Ribbon Cutting
- April 30 – Amazon Prime Air Grand Opening
 - May 7 – City Manager’s Update
 - May 26 – Memorial Day
- June 19 – Juneteenth Celebration
- July 4 – 4th of July Celebration

❖ Data retrieved from Tolleson PD CAD and RMS on April 4, 2025. RMS data only displays reports that are completed and approved unless otherwise noted.

