

CITY OF AUSTIN



2019 CONSULTANT FORUM



CONSULTANT FORUM

February 6, 2019

ROLE OF CAPITAL CONTRACTING OFFICE

Vision: To be valuable business partners in Capital Project Delivery.

Mission: To administer the procurement of professional and construction services and to execute and manage contracts essential for the delivery of efficient capital improvements resulting in improved quality of life for all City of Austin residents.

Goals:

- Provide Exceptional Customer Service;
- Provide Quality Contracting Services;
- Be Good Stewards of Tax Dollars; and
- Promote trust through communication and transparent performance and oversight of Capital Improvement Project contracting activities.

FOCUS AREAS

- ❑ Cradle to Grave –What that means to YOU
 - ❑ Single Point of Contact for Procurement to Contracting process
 - ❑ Single Point of Contact for Rotation List Management
- ❑ Stakeholder Meetings- Feedback on CCO Processes
- ❑ Expanded Upcoming Project List:
<http://www.austintexas.gov/departments/upcoming-projects>
- ❑ Changes to Consultant Rate Review Process:
 - ❑ Use of Excel format for rate review submittal
 - ❑ Certificate of Overhead Rate form aligned with TXDOT OH Rate process; accept TXDOT Email
 - ❑ Expanded market research: Use of Payscale & Indeed

FOCUS AREAS

- ☐ Changes to Professional Services Rotation List
 - ☐ Scope of Services: RL Background, Performance Expectation
 - ☐ Evaluation Criteria: Team's Project Approach, revised Points, added point allocation
- ☐ CIP Partners Academy: <http://www.austintexas.gov/department/cip-partners-academy>
- ☐ Be in the know:
 - ☐ Capital News Quarterly Vendor News Letter
 - ☐ CCO Mailing List
 - ☐ Facebook
- ☐ Revision to City Code Chapter 2-7, Article 6 Anti-Lobbying and Procurement
 - ☐ City's interest to provide the most fair, equitable, and competitive process for selection of potential vendors.....



Public Works Department

CAPITAL IMPROVEMENT CONSULTANT
FORUM 2019



Proposition G: Transportation Infrastructure

Proposition G Total: \$160 million

If approved, this proposition would provide funding for the City to address issues with the City's existing transportation infrastructure, including, but not limited to, street and sidewalk reconstruction and rehabilitation; bridge and structure rehabilitation and replacement; traffic signal upgrades; pedestrian safety improvements; intersection safety projects; and improvement of public spaces through approved Neighborhood Partnering Program projects.

The types of projects and programs to be undertaken as part of this bond proposition, if approved, may include, but are not limited to, the following:

Street Reconstruction \$66.5 million

Funding to allow the City to rehabilitate and reconstruct existing streets that are in poor or failing condition, including associated sidewalks, curb ramps, and drainage.

Bridges and Structures \$50 million

Funding to allow the City to replace the Redbud Trail/Emmet Shelton Bridge over Lady Bird Lake, which is beyond its functional design life. This bridge replacement will provide enhanced roadway/pedestrian safety and improved accessibility. Funding may allow for rehabilitation or replacement of Austin's other high-priority bridges and structures.

Sidewalk Rehabilitation \$20 million

Funding to allow the City to rehabilitate or replace existing sidewalk infrastructure, intended to enhance connectivity within Austin's sidewalk network. Projects will utilize the 2016 Sidewalk Master Plan/ADA (Americans with Disabilities Act) Transition Plan, with a focus on sidewalks rated as "very high" or "high" priorities.

Vision Zero/Transportation Safety

\$15 million

Funding for intersection and pedestrian safety improvements.

Signals and Technology \$4.5 million

Funding for safety and mobility improvements; upgrades to signals, controllers, and firmware; expansion of communications systems; and new signal installations.

Urban Trails \$3 million

Funding to allow the City to enhance its current network of urban trails and their inclusion into the City's public mobility infrastructure system. Austin's existing network of urban trails feature multi-use pathways that provide accessible routes for transportation for all ages and abilities.

Neighborhood Partnering Program

\$1 million

Funding for the Neighborhood Partnering Program (NPP), which allows citizens to partner with the City to propose small- to medium-scale projects on City-owned property, the purpose of which is to improve the places in which citizens live, work, and play.

Ballot Language:

The issuance of \$160,000,000 in tax supported general obligation bonds and notes for planning, constructing, reconstructing, and improving roads, streets, intersections, sidewalks, bridges, urban trails and related utility and drainage infrastructure for the roads and streets; improving traffic signal synchronization and control systems; acquiring and installing traffic signals; and acquiring land and interests in land and property necessary to do so; and the levy of a tax sufficient to pay for the bonds and notes.





Street Reconstruction

Street Reconstruction **\$66.5 million**

Funding to allow the City to rehabilitate and reconstruct existing streets that are in poor or failing condition, including associated sidewalks, curb ramps, and drainage.



Sidewalk Rehab

Sidewalk Rehabilitation **\$20 million**

Funding to allow the City to rehabilitate or replace existing sidewalk infrastructure, intended to enhance connectivity within Austin's sidewalk network. Projects will utilize the 2016 Sidewalk Master Plan/ADA (Americans with Disabilities Act) Transition Plan, with a focus on sidewalks rated as "very high" or "high" priorities.



Trails

Next 5 years

An additional 10 miles of trail will require design



Capital Improvement Consultant Forum 2019

Parks and Recreation Department (PARD)

Reynaldo Hernandez, PLA, Project Management Supervisor, Parks and Recreation Department
February 6, 2019



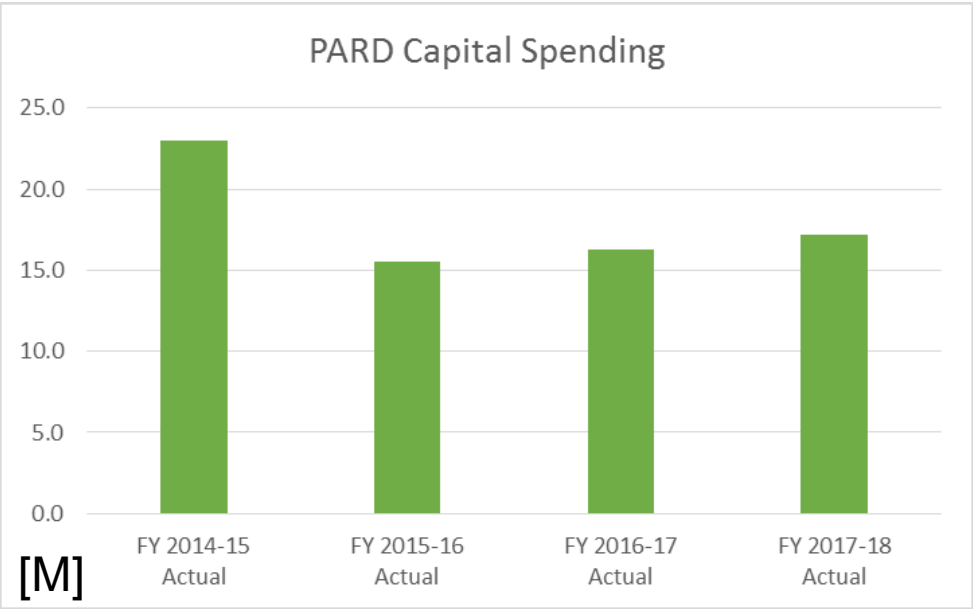
2018 GO Bond

Project Categories

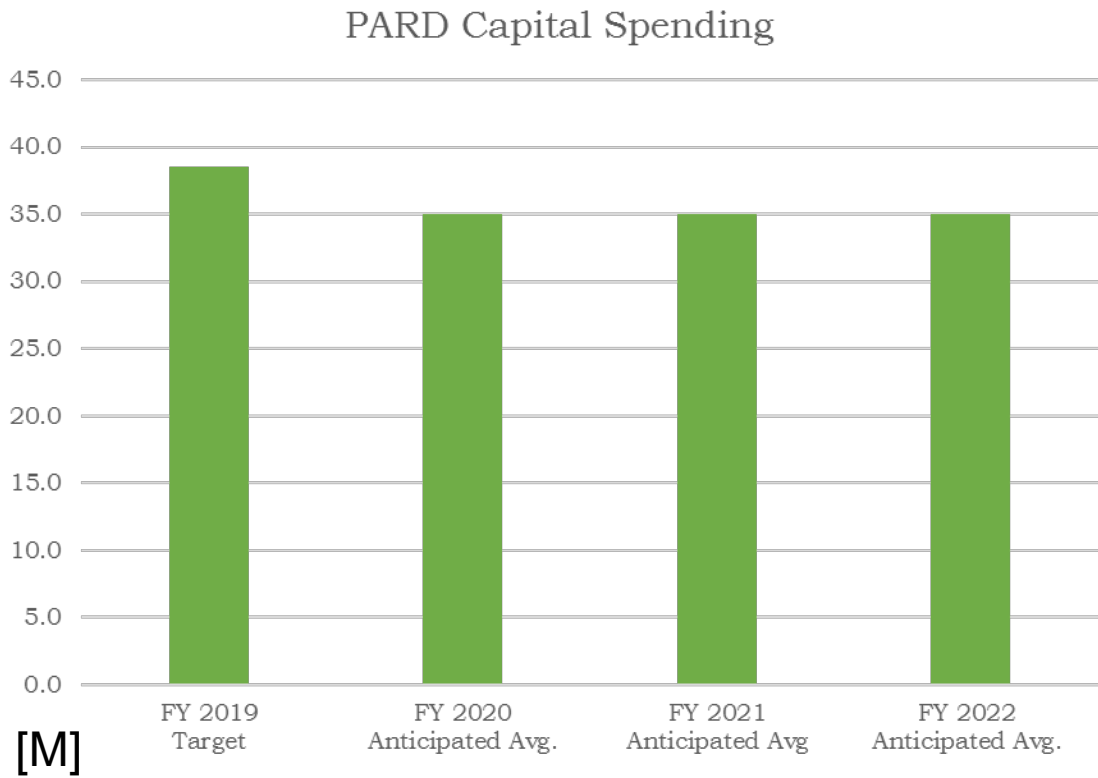
<input type="checkbox"/> Building Renovations	\$21.5M
<input type="checkbox"/> Aquatics	\$40 M
<input type="checkbox"/> Infrastructure	\$17.5 M
<input type="checkbox"/> Parkland Improvements	\$25 M
Total	\$104 Million
<input type="checkbox"/> Cultural Centers	
Total	\$66.5 Million
<input type="checkbox"/> Total Funding Amount	\$170.5 Million



Spending Plans



Historical Spending



Current and Anticipated Spending

Primary Projects and Scopes

☐ Aquatic

Colony Park Pool
Givens Pool

☐ Building Renovation

Pharr Tennis Center
Seaholm Intake Facility
Norwood House

☐ Infrastructure

Playscapes
Trails
Parking Lots and Roadways
Athletics
Cemeteries

☐ Parkland Improvements

Metro Parks
District Parks
Neighborhood and Pocket Parks
Greenbelts
Downtown Squares
Master Plans

☐ Cultural Centers

Mexican American Cultural Center
Dougherty Arts Center
Carver Museum
Asian American Resource Center

Other Funding Sources:

- ❑ Hotel Occupancy Tax
- ❑ Parkland Dedication Fees
- ❑ Mitigation Fees
- ❑ Public/Private Partnerships



Waller Creek

Project Procurement

- ☐ Landscape Architecture Rotation List
- ☐ Architecture Rotation list
- ☐ Request for Qualifications
- ☐ Request for Proposals
- ☐ Design Build
- ☐ Contract Manager at Risk (CMA@R)



Thank You!

Reynaldo. Hernandez, PLA, Project Management Supervisor
Parks and Recreation Department





Watershed Protection Department

Austin-Area

Capital Improvement Consultant Forum

February 6, 2019



WPD Capital Program Management

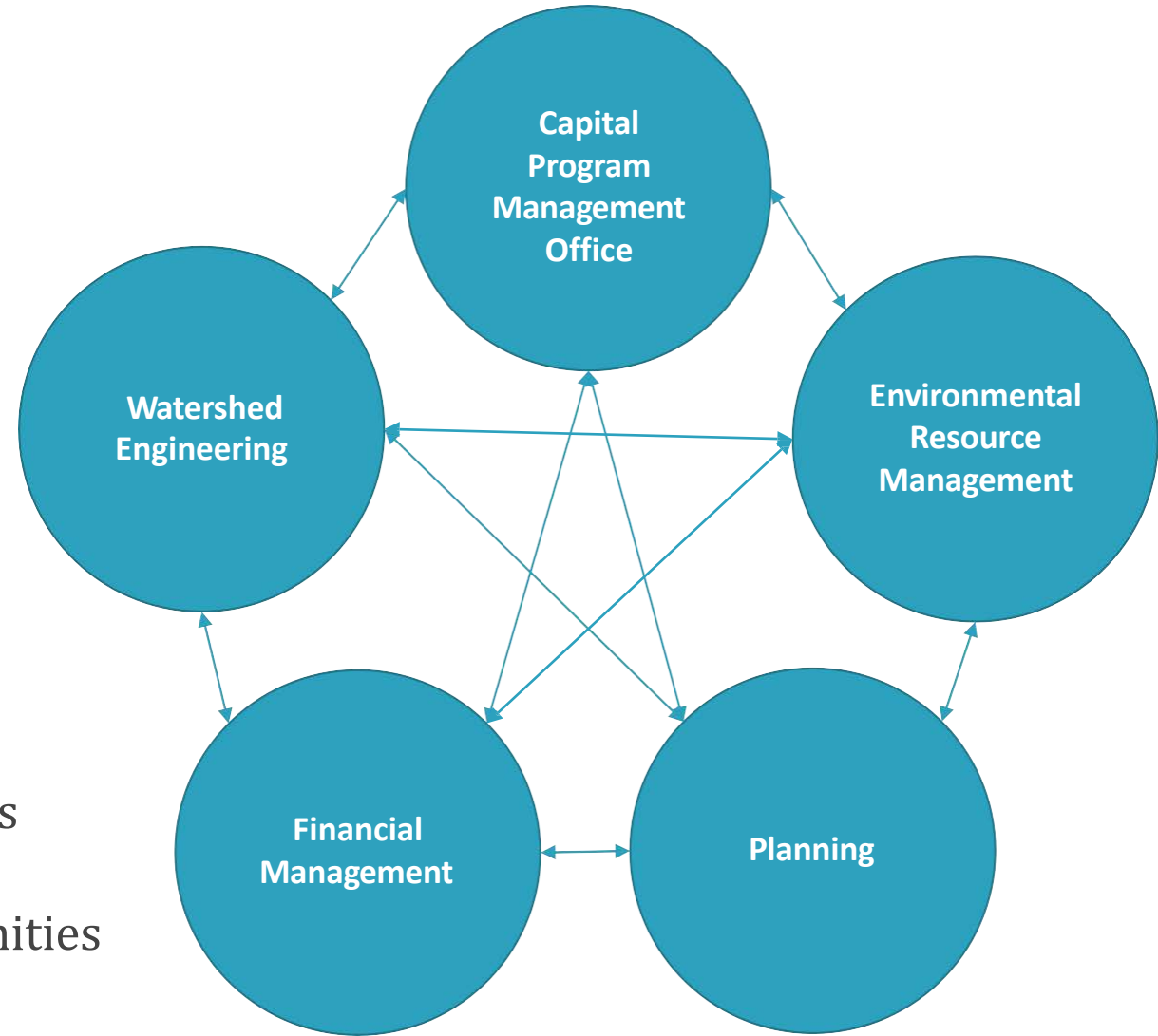
Challenges

- Legacy development
- Aging infrastructure
- Growth – population, infill/re-development
- Public expectations re: level-of-service
- Atlas 14 – new rainfall intensity standard
- External processes & timelines

Objectives

Improvements to:

- Project on-boarding (i.e. new starts)
- Capital project delivery processes
- Funding strategies
- Project tracking and reporting
- Coordinate directly with external support services
- Deploy Asset Management framework
- Identify cross-department coordination opportunities
 - (e.g. dig once with Austin Water, Public Works)



Typical Drainage Problems

Low Water Crossings



Water Quality



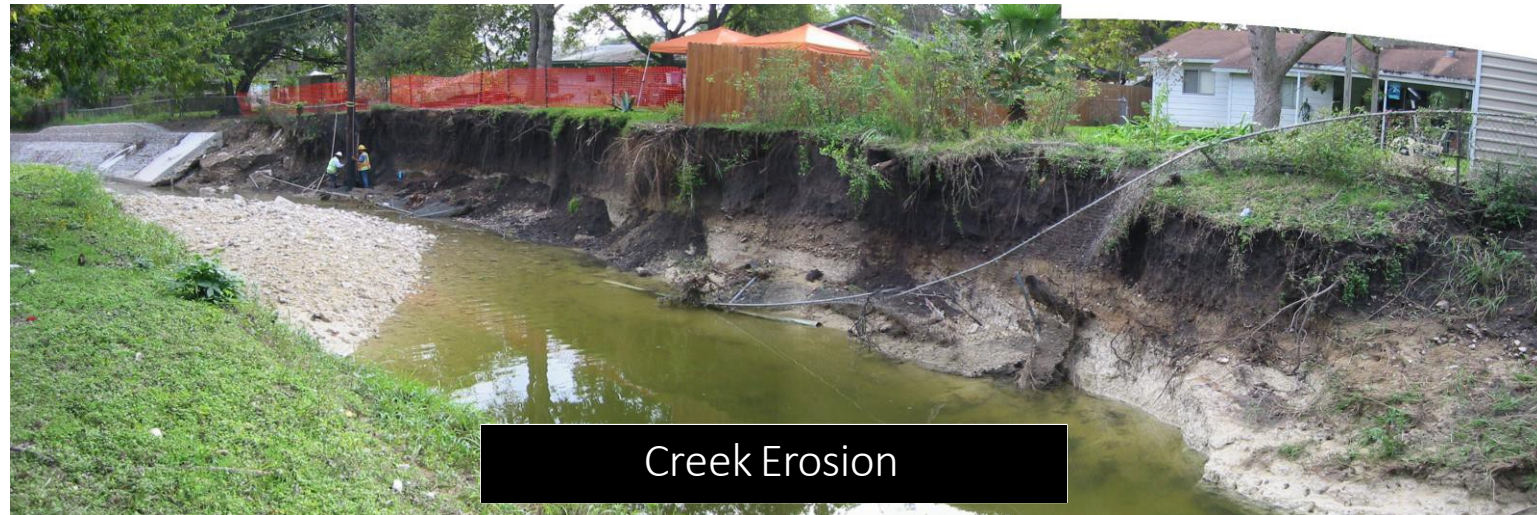
Local Flooding



Creek Flooding



Creek Erosion

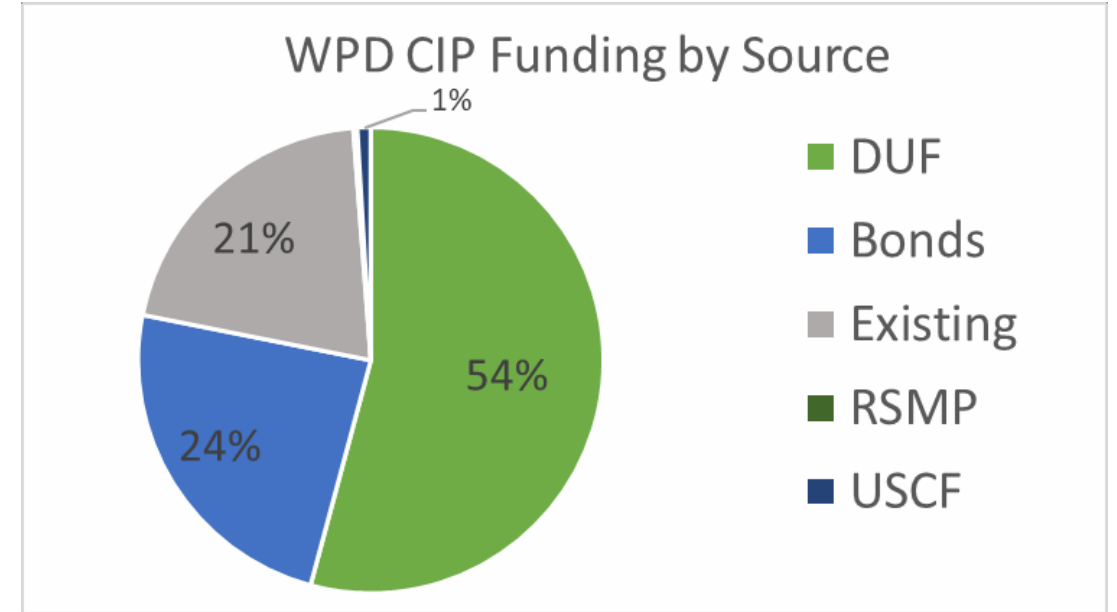
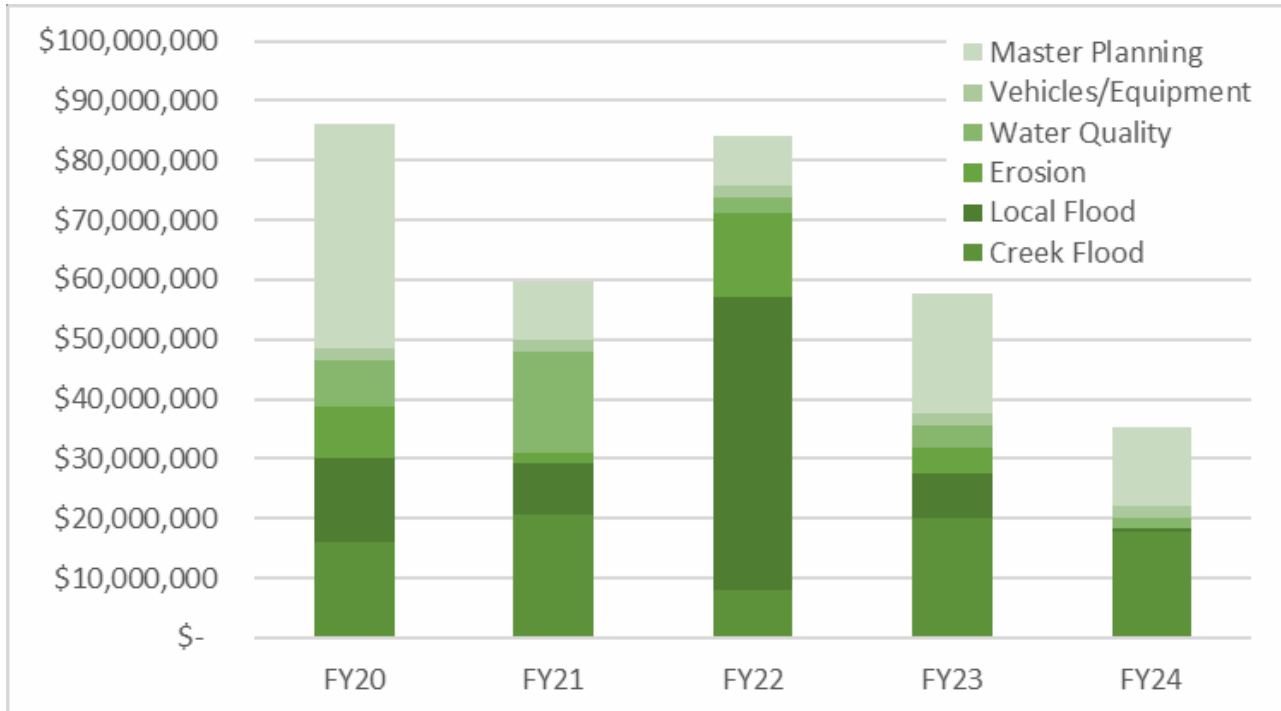


Typical WPD Project Types

- **Storm Drain Systems**
- **Drainage Channels** *(Natural and Constructed)*
- **Stormwater Control Structures** *(i.e. Ponds)*
- **Low Water Crossing Upgrades**
- **Floodplain Studies and Mapping**
- **Property Buyouts**



WPD 5-Year Funding Plan



Upcoming WPD Consultant Opportunities: *FY19-24*

- **Creek Flood Rotation List (02/18/19)**
- **Local Flood Rotation List (02/18/19)**
- **Floodplain Mapping Rotation List (04/19)**
- **Stream Restoration and Stormwater Treatment Rotation List (2020)**



WPD Engineering Rotation List Disciplines

Major Scopes

- **Civil Engineering**
- **Environmental Engineering**
- **Structural Engineering**
- **Surveying**
- **Geotechnical Engineering**

Team Structure Experience

- Hydraulics & Hydrology (1-D and 2-D modeling)
- Stream geomorphology/riparian restoration
- Storm water quality treatment
- Asset management
- COA permitting
- Construction in the ROW
- Austin environmental & floodplain regulations
- Coordination with other COA departments





CAPITAL IMPROVEMENT PROGRAM

CONSULTANT FORUM

February 6, 2019

Austin Transportation Department



Capital Programs

- Bikeways
- Parking
- Streets- Capacity
 - ▣ Corridor Construction Program
 - ▣ Regional Projects (RM620 and FM 2222)
 - ▣ E 51st Street
 - ▣ Lakeline Blvd. and Braker Ln. Extensions
- Streets – Safety (Intersection Safety, LATM)
- Traffic Signal and Systems
- Transit Enhancement Program



2016 Mobility Bond Funding



Total = \$720 million

- Corridor Improvements
\$482 million
- Regional Mobility \$101 million
- Local Mobility \$137 million
 - ▣ Bikeways \$20 million
 - ▣ Intersection Safety/Vision Zero \$15 million



2018 Mobility Bond Funding

- Signals and Technology \$4.5 million
- Vision Zero/Transportation Safety \$15 million
 - ▣ Intersection Safety \$11 million
 - ▣ Pedestrian Safety \$4 million



Consultant Opportunities

- ❑ On-Call Transportation Engineering Services
 - ▣ Engineering Design
 - ▣ Engineering Studies
 - ▣ Speed Studies & Data Collection
- ❑ Roadway Design Services (CAMPO Grant Projects)
- ❑ Staff Augmentation (Hybrid) Contract
 - ▣ Development Review
 - ▣ ROW Services
 - ▣ Scoped Work
- ❑ Public Engagement Services (sub-opportunity)



Consultant Opportunities (Contd.)

- ❑ Transportation Management Center Augmentation Contract – expected start date Oct 2019
- ❑ Signals/Communication Plan – RFQ expected Fall 2019
- ❑ Emergency Vehicle Preemption – RFQ expected Fall 2019
- ❑ Signal and PHB Warrant Studies (on-going need)
- ❑ Signal and PHB Design (on-going need)



Thank You!



Amica Bose, P.E., Supervising Engineer
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Capital Improvement Consultant Forum

FY19-23 CIP Plan Highlights

February 6, 2019

Martin Tower

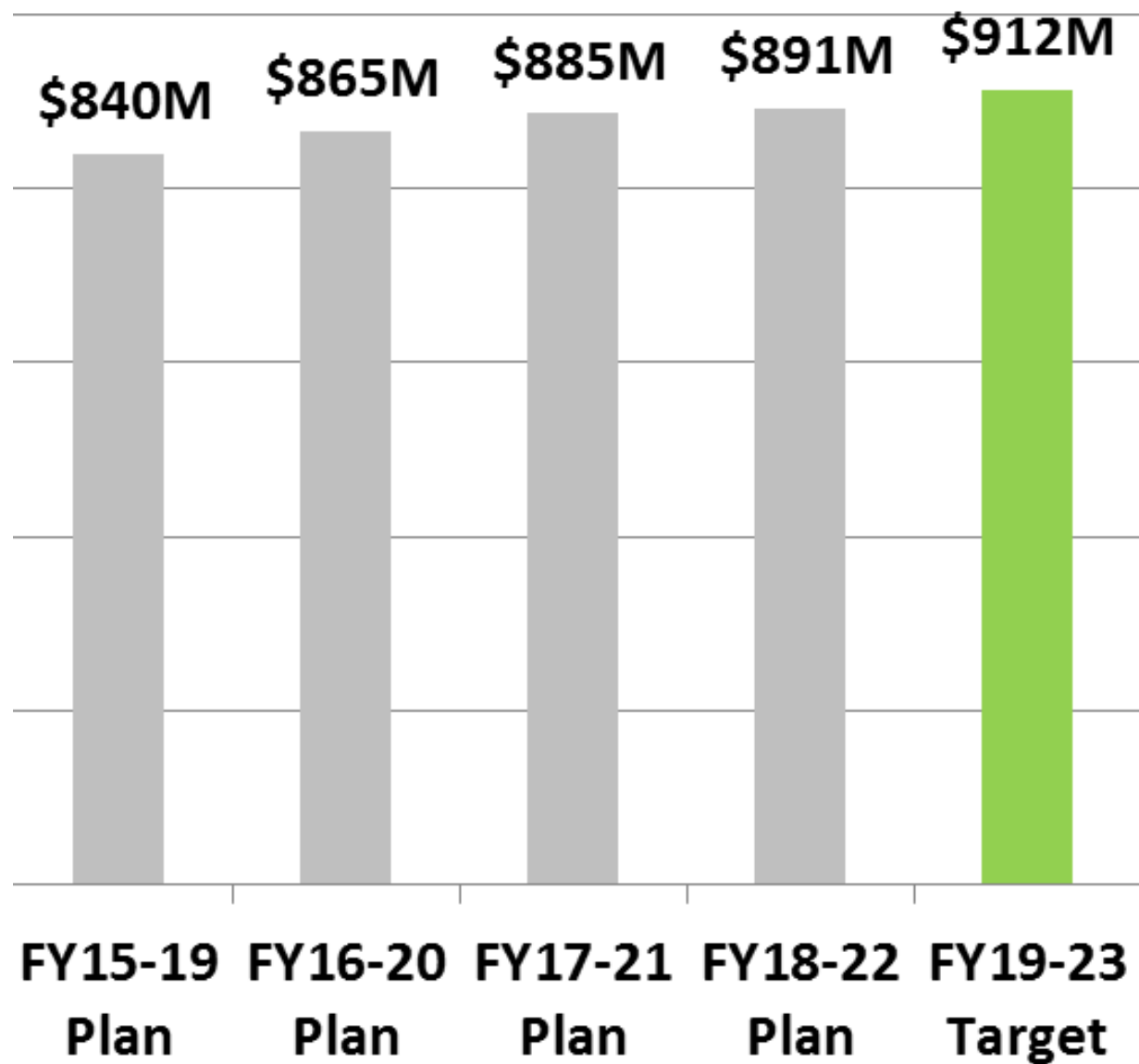
Managing Engineer

AW Infrastructure Management Division

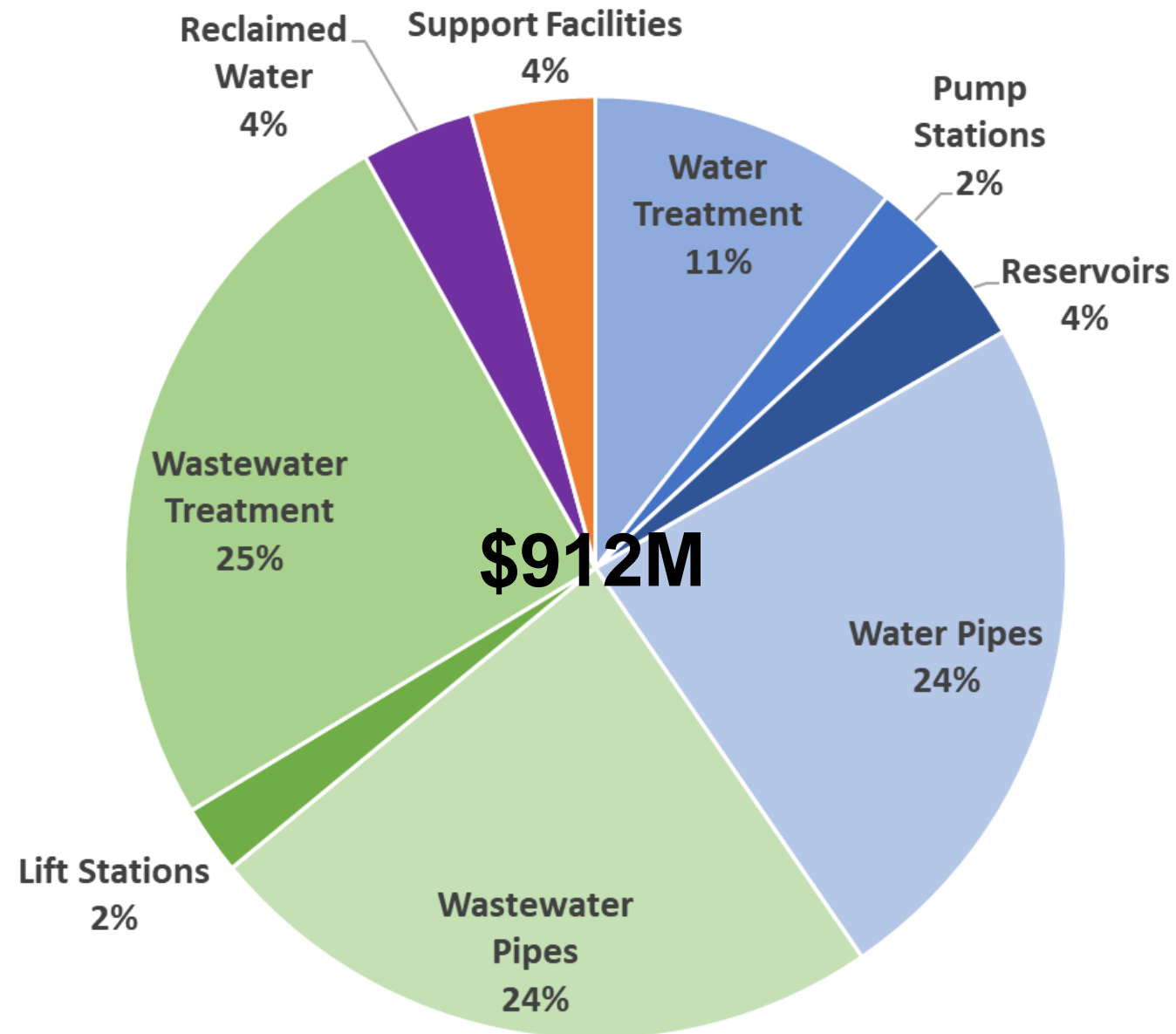
O: 512-972-0144

martin.tower@austintexas.gov

5 Year CIP Plan Totals Through Time



5 Year CIP Plan Allocations



FY19-23 CIP Plan Major Projects

3023.046 Walnut Creek WWTP 100 MGD Expansion	\$202M
6935.057 Advanced Metering Infrastructure	\$78M
3333.017 South Austin Regional WWTP Trains A&B Improvements	\$60M
6943.031 Williamson Creek Wastewater Interceptor	\$41M
2127.012 North Austin Reservoir & Pump Station Improvements	\$32M
3333.032 South Austin Regional WWTP Electrical Substation No.1 Replacement	\$29M
3023.019 Walnut Creek WWTP Headworks 1 Replacement	\$25M
5335.016 Ullrich WTP Low Service Pump Station Electrical	\$20M

Upcoming Opportunities

Oltorf Street Reclaimed Water Main Phases 1 & 2



\$9.4M

- **February 2019 RFQ**
- **13,470 LF of 24" RW Pipe**
- **Subproject IDs
5267.041 & 5267.042**

Upcoming Opportunities

Walnut Creek WWTP Headworks No.1 Replacement



- Early 2019 RFQ
- Mechanical, Electrical, I&C
- Minor Structural, Arch
- Subproject ID 3023.032

Upcoming Opportunities

Advanced Metering Infrastructure

\$78M



- **Mid/Late 2019 RFQ**
- **Systems Integration**
- **Mechanical, Information Tech**
- **IT Network Hardware & Software**
- **Subproject ID 7265.014**



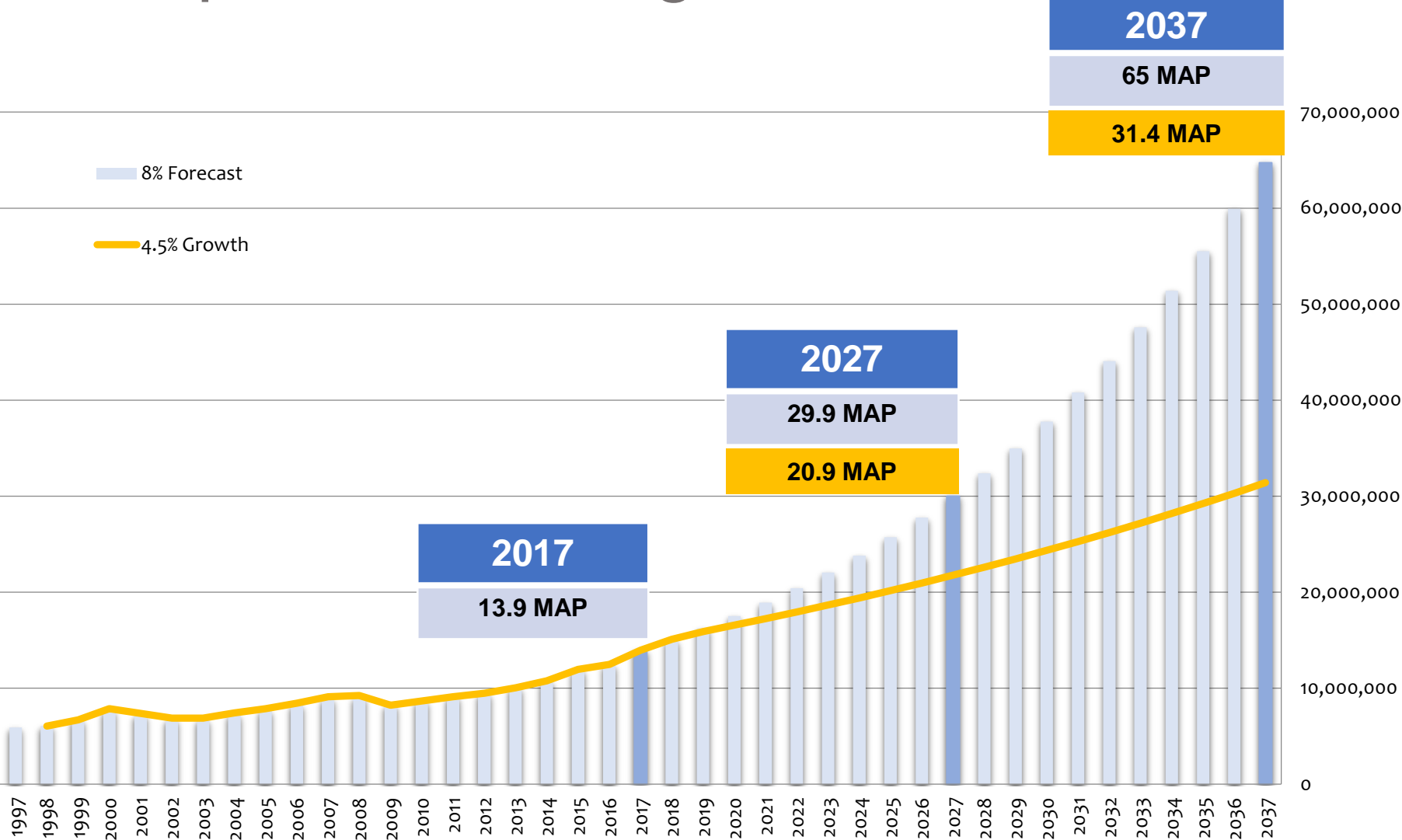


AUSTIN-BERGSTROM INTERNATIONAL AIRPORT 10 Year Capital Improvement Plan

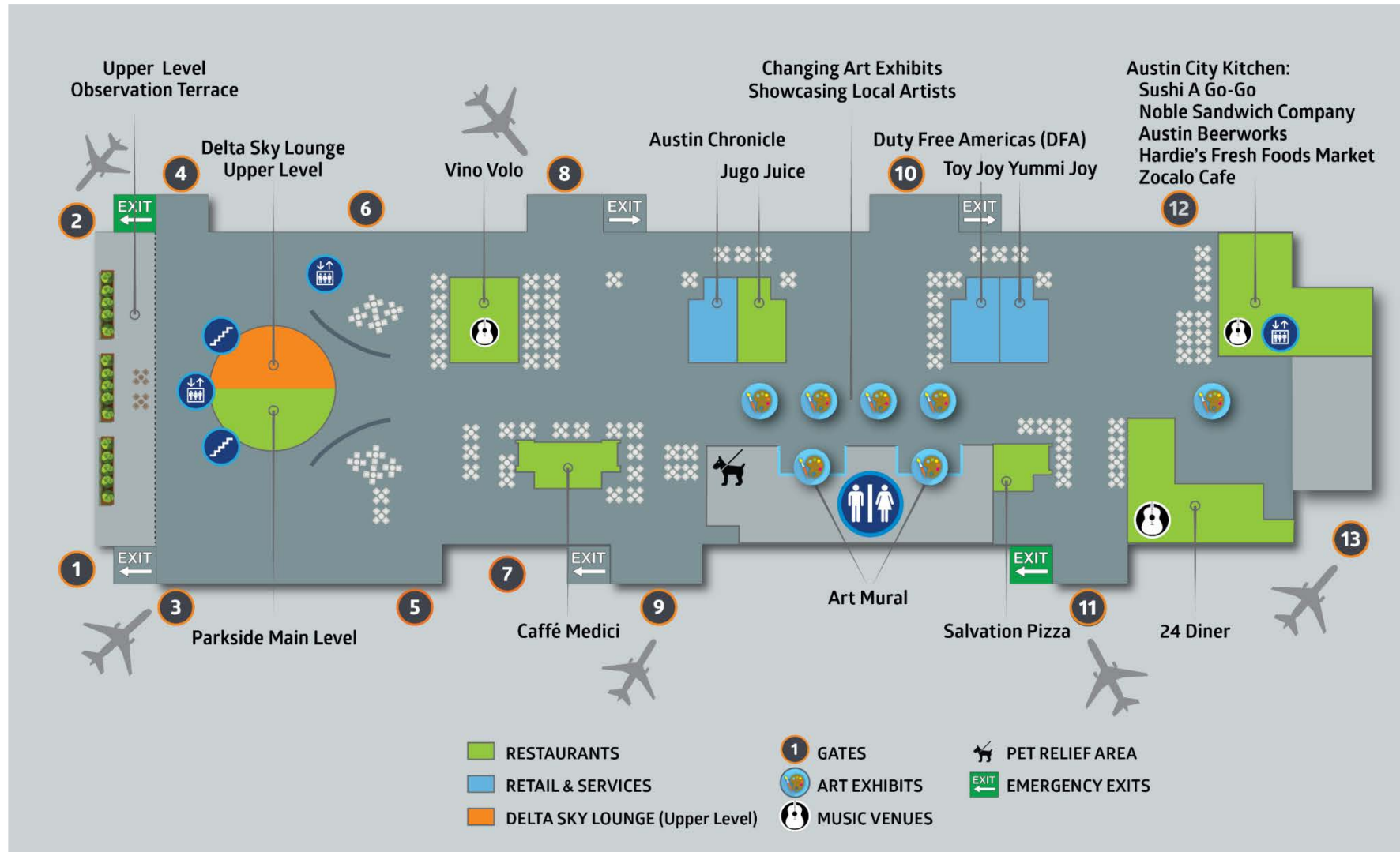


Austin-Bergstrom
International Airport

ABIA FAA Approved Forecast & Anticipated Passenger Growth



Terminal 9 Gate Expansion



ABIA Terminal Needs 2019-2029

- Additional ticketing space
- Additional baggage space
- Additional security space
- Upgrades to Barbara Jordan Terminal
- 20 new gates in the new midfield concourse
- 2 million square feet of new terminal and concourse space

**NEW
MIDFIELD
CONCOURSE
AND WEST
INFILL**

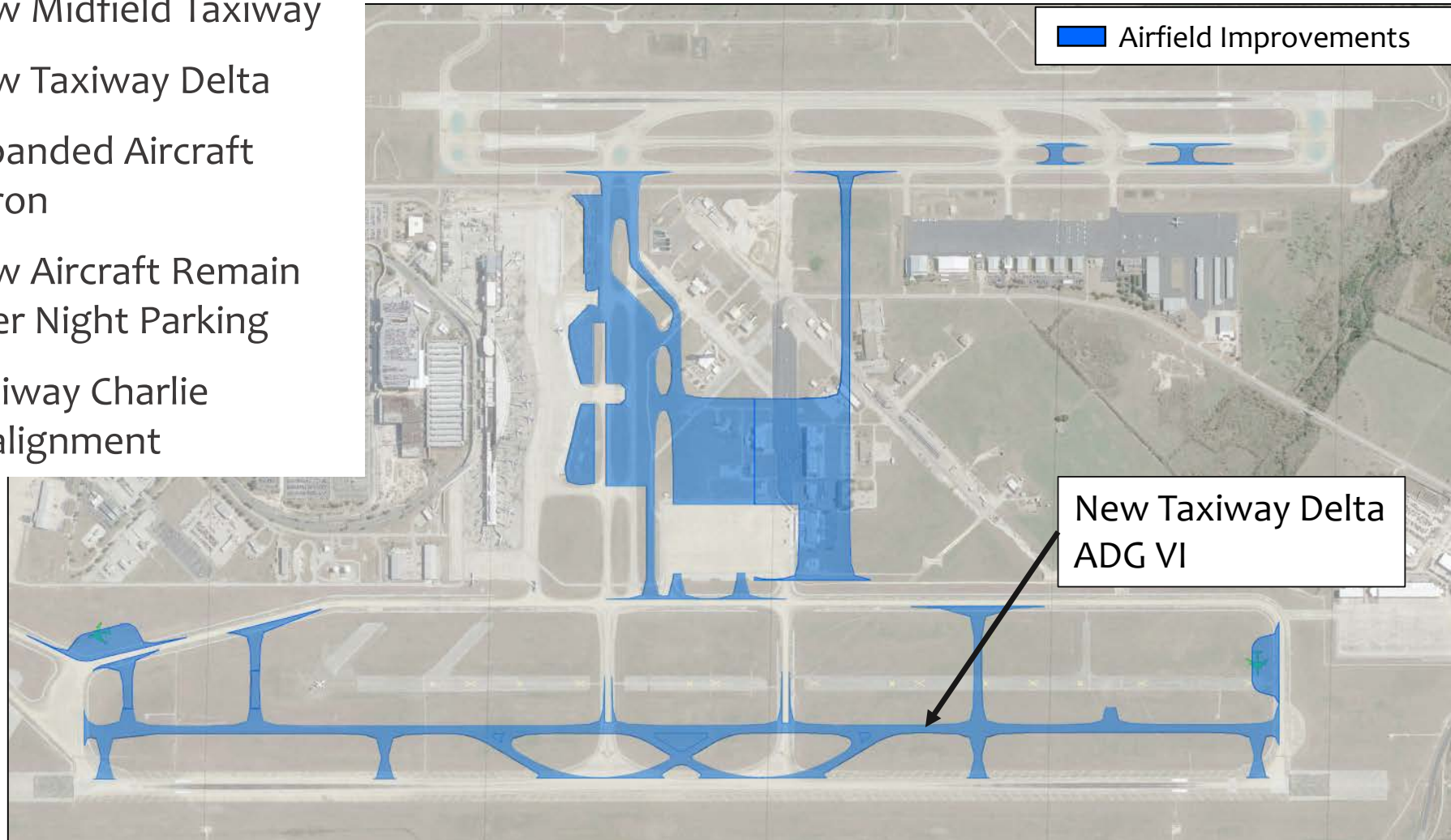


**NEW
TICKETING,
SCREENING,
BAGGAGE
CLAIM**



ABIA Airfield Improvements 2019-2029

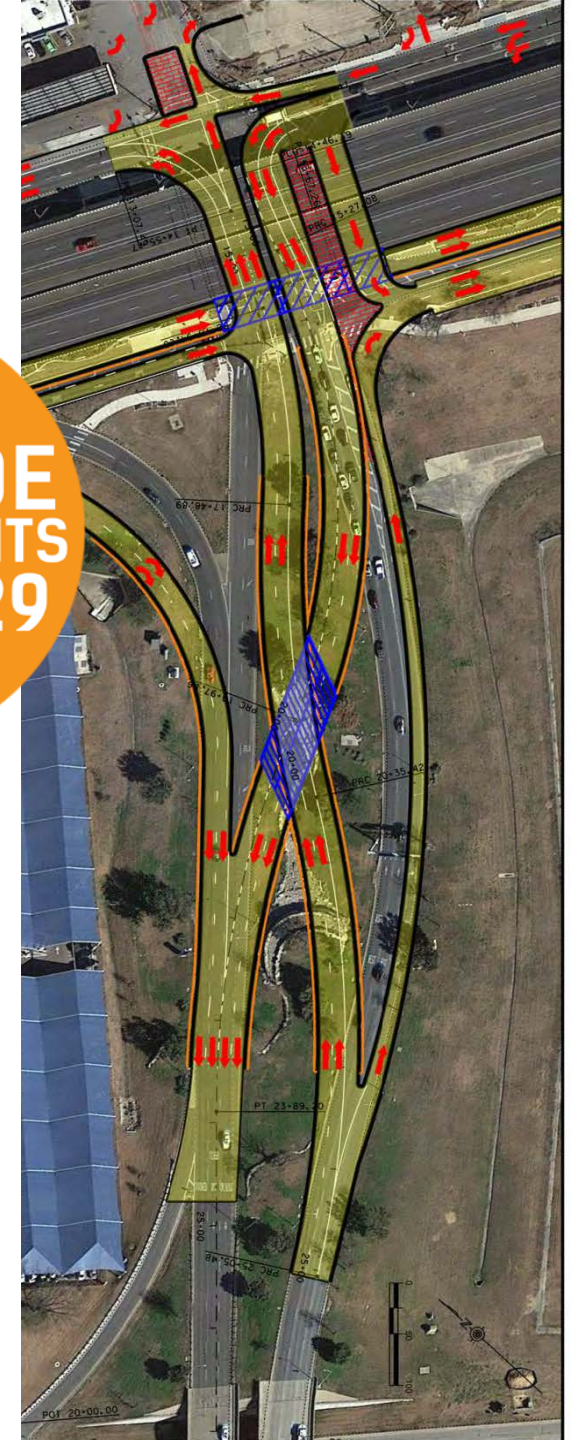
- New Midfield Taxiway
- New Taxiway Delta
- Expanded Aircraft Apron
- New Aircraft Remain Over Night Parking
- Taxiway Charlie Realignment



ABIA Landside Improvements

- 11,000 New Parking Spaces
- New Braided Interchange at Presidential Blvd/SH 71
- Provides Free Flow into and out of the airport
- Campus Roadway Improvements and Upgrades
- Expansion and Upgrades of Support Facilities
- Upgrade and Expand Electrical and Water Utilities

**LANDSIDE
IMPROVEMENTS
2019-2029**



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OPEN FORUM



Q&A