



Engineering Services – Austin District Process for Final PS&E: Delivering a Billion Dollar Program Annually

Susana Ceballos, P.E.
May 2024





History of TxDOT



The Mission: Why do we do this?



Annual Budget



How do we deliver a billion-dollar annual program?



Austin Project Development Manual: Interim Reviews 30/60/90



Final ePS&E Submittal

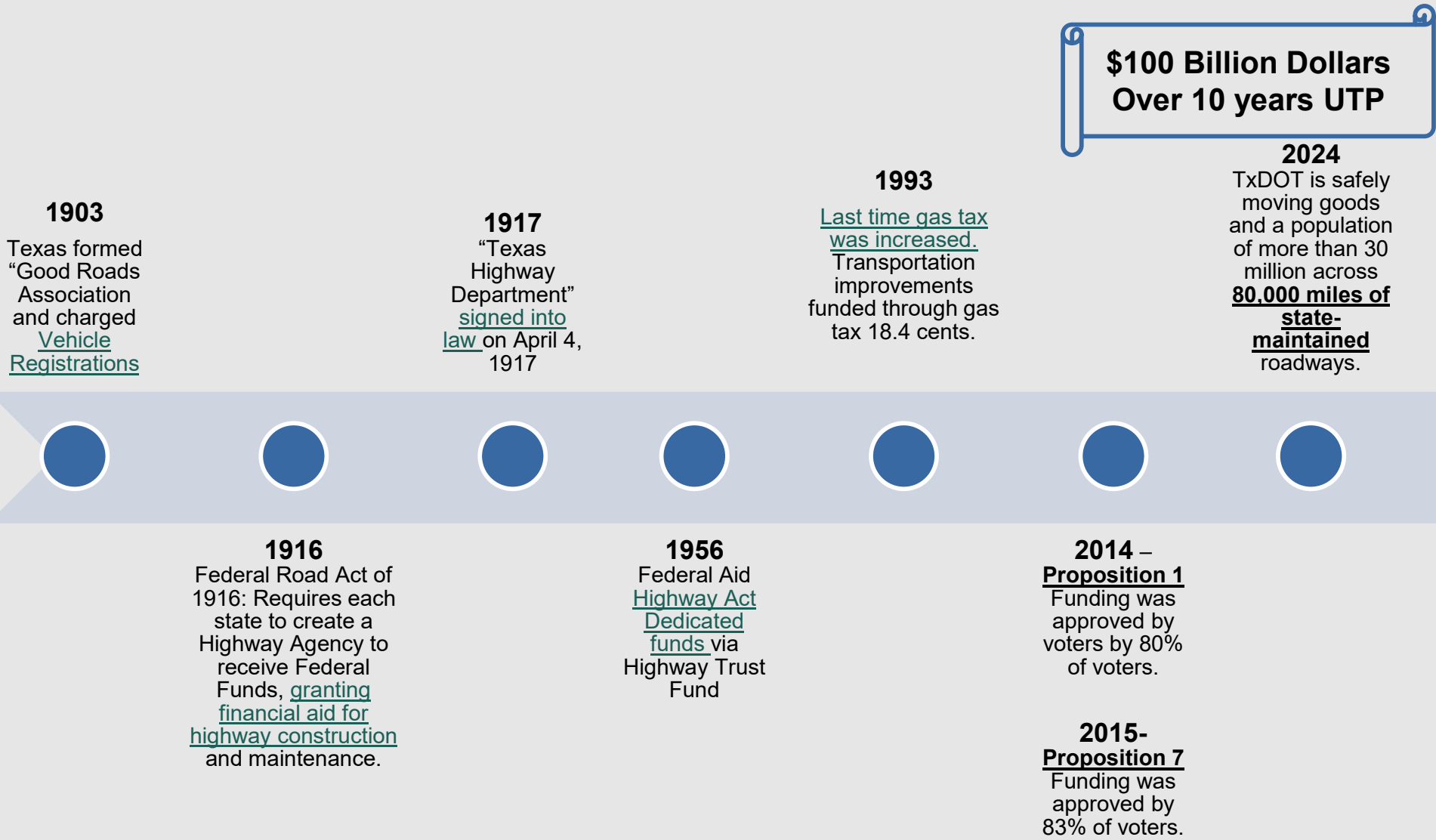


Deliver on time on budget: Save lives



Questions?

History of TxDOT – 120 years of Service





Target Goals for the next 10 years UTP

Deliver the right projects.
On time and on budget.

PLAN GOAL		PROMOTE SAFETY		PRESERVE OUR ASSETS		OPTIMIZE SYSTEM PERFORMANCE
MEASURE	FATALITIES EACH YEAR Desired Trend ↓	FATALITY RATE	PAVEMENT CONDITION Desired Trend ↑	BRIDGE CONDITION	URBAN CONGESTION INDEX Desired Trend ↓	RURAL RELIABILITY INDEX

Governor Abbott, TxDOT Announce Record \$142 Billion Transportation Investment

August 17, 2023 | Austin, Texas | [Press Release](#)

Governor Greg Abbott today announced a record \$142 billion in total investment for Texas' transportation infrastructure. The record investment includes the unanimous adoption of the \$100 billion 10-year statewide roadway construction plan with the Texas Department of Transportation (TxDOT) for transportation projects to enhance safety, improve congestion and connectivity, and preserve Texas roadways. This is a \$25 billion increase in total investment from the previous year.

The Mission: Why we do this?



Forecasted Letting 2014

Texas Department of Transportation Total Project Awards September 2014 Forecast

Letting Program

Funding Source	FY 2012 Actual	FY 2013 Actual	FY 2014 Actual	FY 2015 Forecast	FY 2016 Forecast	FY 2017 Forecast	FY 2018 Forecast	FY 2019 Forecast	FY 2020 Forecast	FY 2021 Forecast	FY 2022 Forecast	FY 2023 Forecast	FY 2024 Forecast	FY 2025 Forecast
State Highway Fund ¹	2,187,570,000	3,454,460,153	3,454,202,014	5,480,590,907	3,104,020,000	2,710,960,000	2,726,850,000	2,661,326,000	2,690,100,000	2,716,140,000	2,708,210,010	2,736,420,000	2,713,210,000	2,949,137,994
Texas Mobility Fund	36,820,000	108,728,263	112,088,168	574,900,632	253,880,000	85,000,000	-	-	2,500,000	-	-	-	-	-
Proposition 14	107,930,000	379,208,382	96,787,644	145,142,356	-	40,000,000	-	-	-	-	-	-	-	-
Proposition 12	781,180,000	760,900,733	459,725,635	76,284,365	-	-	-	-	-	-	-	-	-	-
SH 121	170,170,000	72,904,583	256,145,624	263,664,376	26,170,000	35,320,000	21,940,000	-	500,000	-	-	32,000,000	1,000,000	-
SH 130 (Seg. 5 & R)	-	-	6,000,000	178,238,000	-	28,400,000	-	-	-	-	-	-	-	-
SH 161	-	22,500,261	11,125,520	22,954,480	9,660,000	-	-	-	-	-	-	-	-	-
Federal Economic Stimulus (ARRA)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Proposition 1	-	-	-	1,569,480,000	-	-	-	-	-	-	-	-	-	-
Total Letting	3,293,770,000	4,798,702,385	4,398,055,605	8,311,252,316	3,385,730,000	2,899,680,000	2,748,790,000	2,661,326,000	2,690,100,000	2,716,140,000	2,708,210,010	2,766,420,000	2,714,210,000	2,949,137,994

2014 – Proposition 1 Funding was approved by voters by 80% of voters

Forecasted Letting 2023

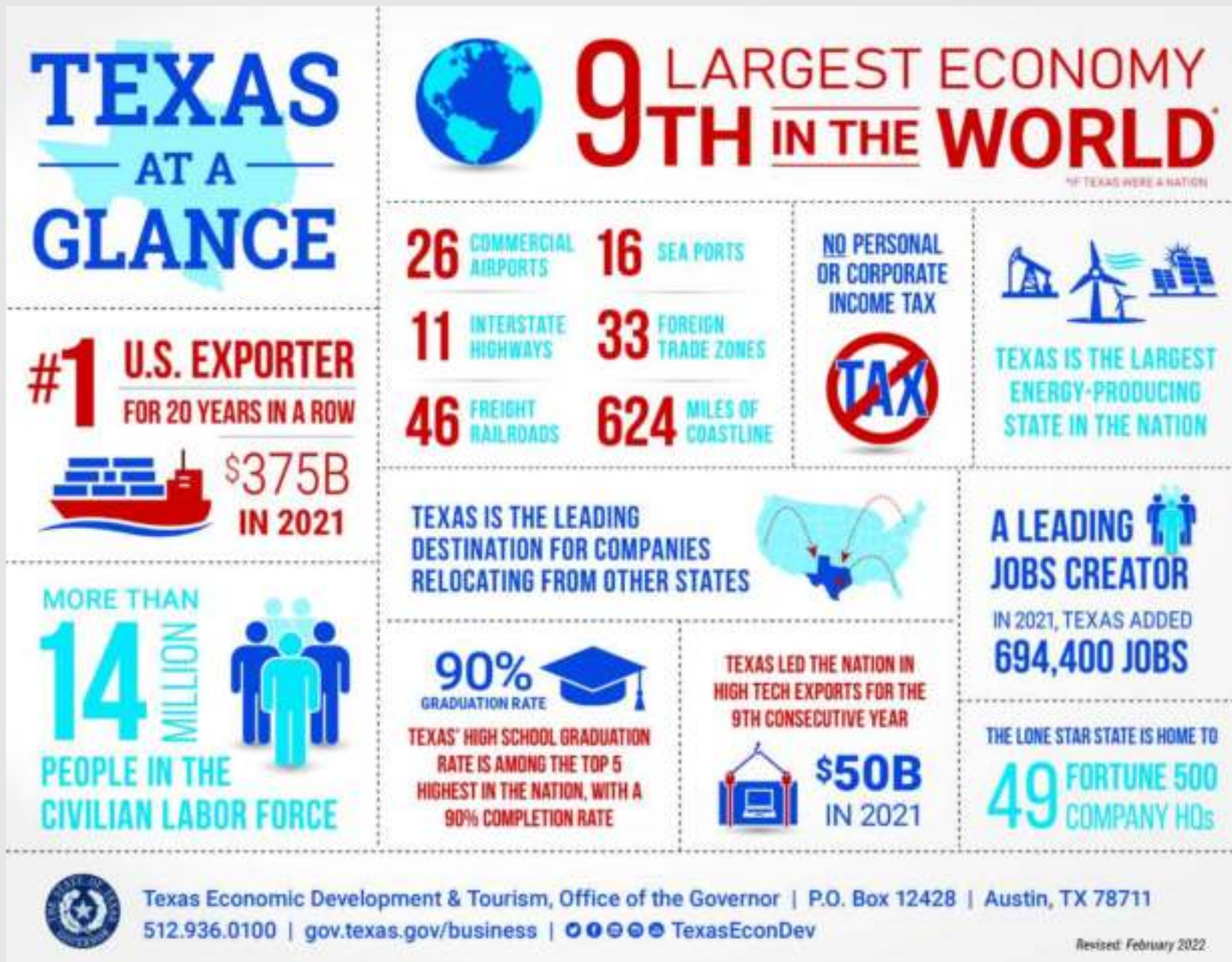
Texas Department of Transportation Total Project Awards May 2023 Cash Forecast

Letting Program

Funding Source	FY 2021 Actual	FY 2022 Actual	FY 2023 Forecast	FY 2024 Forecast	FY 2025 Forecast
State Highway Fund ¹	3,922,137,319	5,008,097,211	5,505,412,895	3,600,628,208	4,344,107,974
Texas Mobility Fund Taxes & Fees	9,022,132	8,593,775	34,429,111	15,600,254	-
SH 121	11,917,728	-	925,000	4,952,389	-
SH 130 - Seg 5 & 6	864,695	-	-	-	-
SH 161	-	-	-	-	-
COVID Funds ²	-	6,000,000	37,650,015	141,998,375	-
Proposition 1	3,183,129	13,885,000	1,722,956,063	3,261,765,343	2,228,956,000
Proposition 7	2,728,267,722	2,740,630,050	3,715,308,967	4,683,280,103	4,653,751,487
Total Letting	6,675,392,725	7,777,206,036	11,016,682,052	11,708,224,672	11,226,815,461

2015- Proposition 7 Funding was approved by 83% of voters.

The Mission: Why we do this? Texas Economy



The Mission: Why we do this? Texas Economy

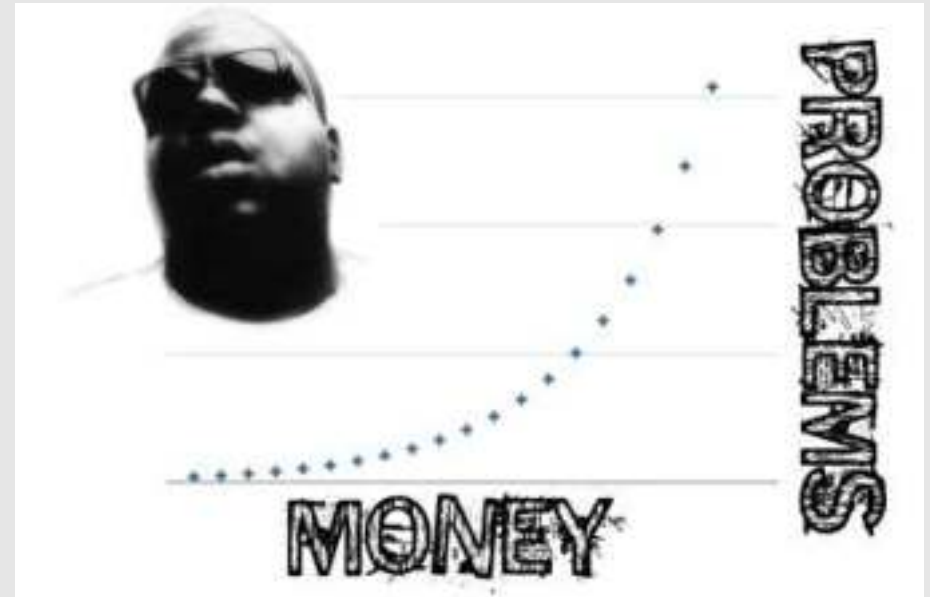




San Antonio, Austin, Dallas-Fort Worth and Houston rank among the top 10 most populous cities. 66% (20 M) of ALL Texans live in these metro areas.



Annual Budget: How do we deliver a Billion Dollar Annual Program?



Annual Budget: FY 2024 Statewide vs Metros – 38% of annual budget

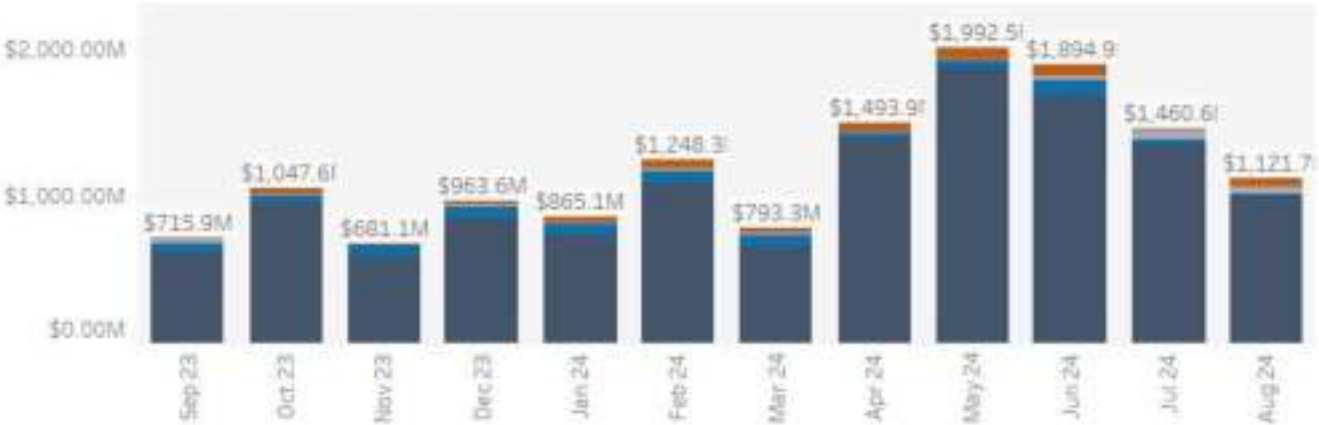


Statewide Letting Volume

FY 2024 Letting Amount (\$) by Let Type



FY 2024 Letting Amount by Month



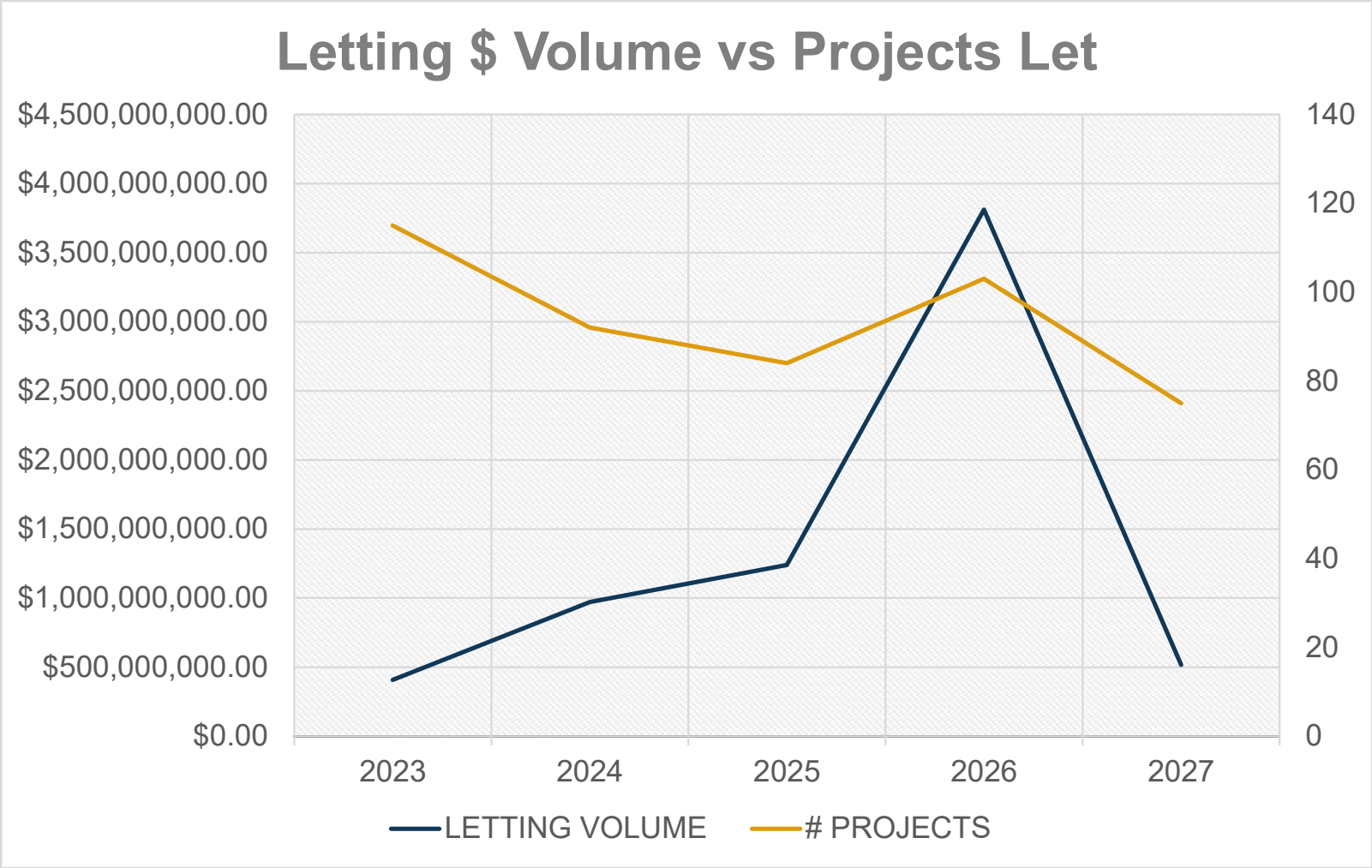
Metro (AUS, DAL, SAT, HOU, FTW) District Letting Volume - 38 %

FY 2024 Letting Amount (\$) by Let Type



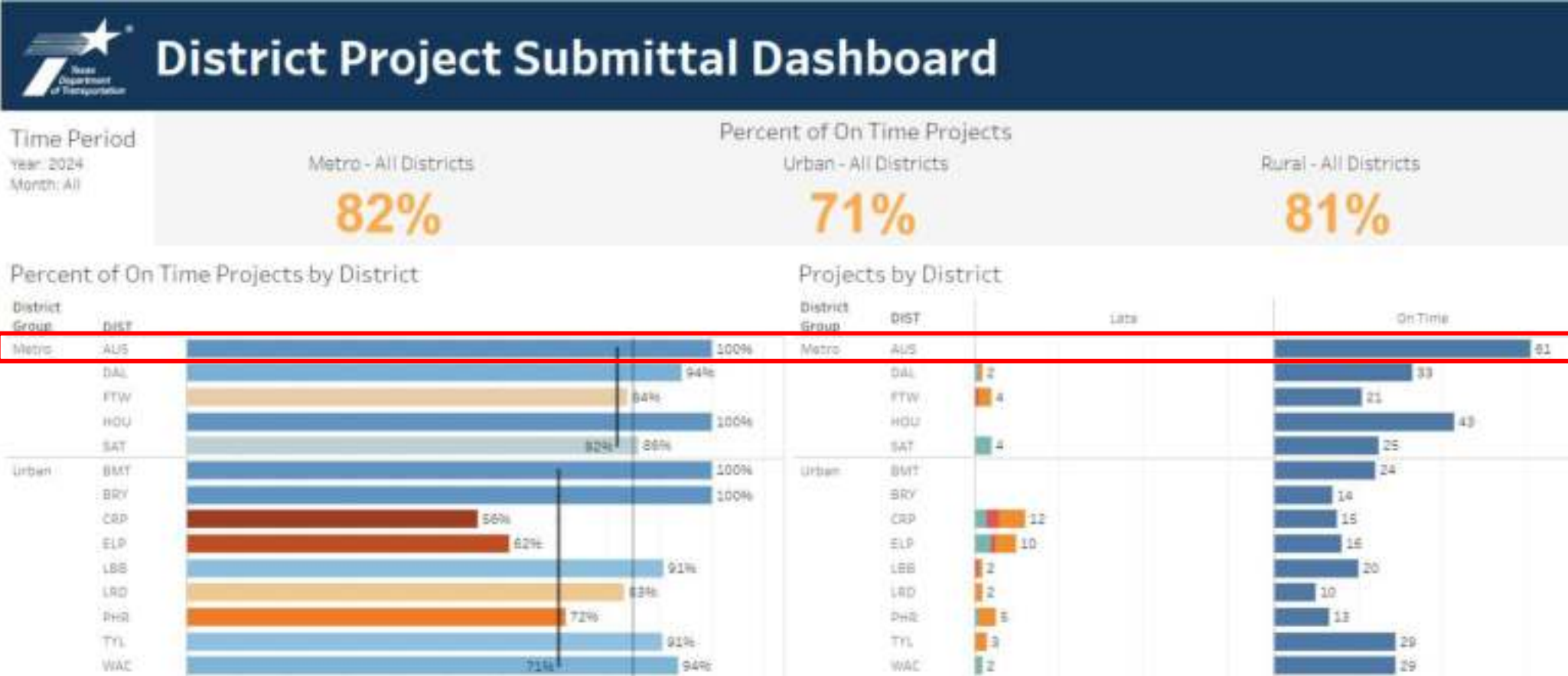
FY 2024 Letting Amount by Month





Annual Budget: How do we deliver a Billion Dollar Program?

100% On time Design



Annual Budget: FY 2023 Statewide vs Austin District



Statewide Letting Volume

FY 2023 Letting Amount (\$) by Let Type



FY 2023 Letting Amount by Month

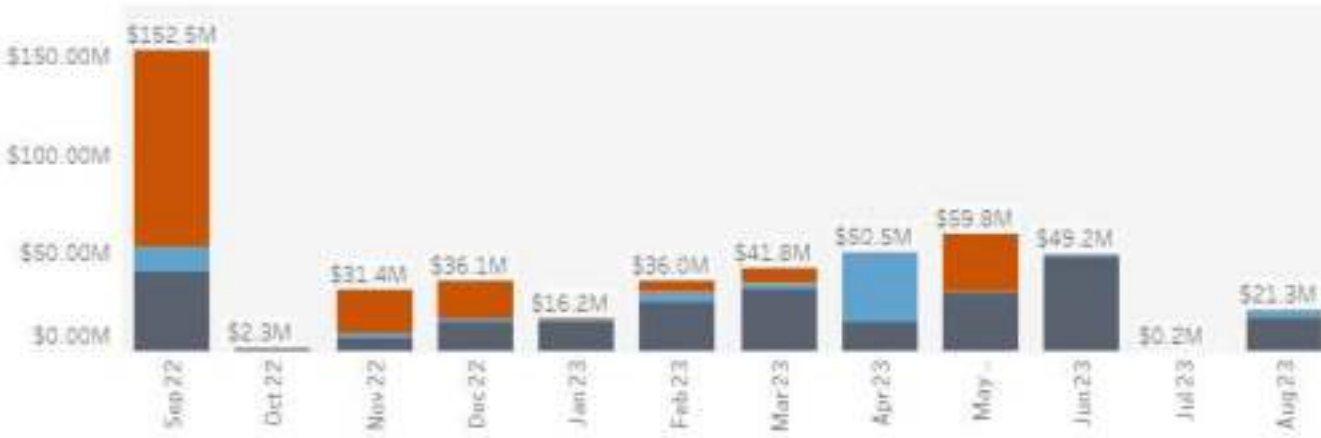


Austin District Letting Volume - 4.1%

FY 2023 Letting Amount (\$) by Let Type



FY 2023 Letting Amount by Month



Annual Budget: FY 2024 Statewide vs Austin District



Statewide Letting Volume

FY 2024 Letting Amount (\$) by Let Type



FY 2024 Letting Amount by Month

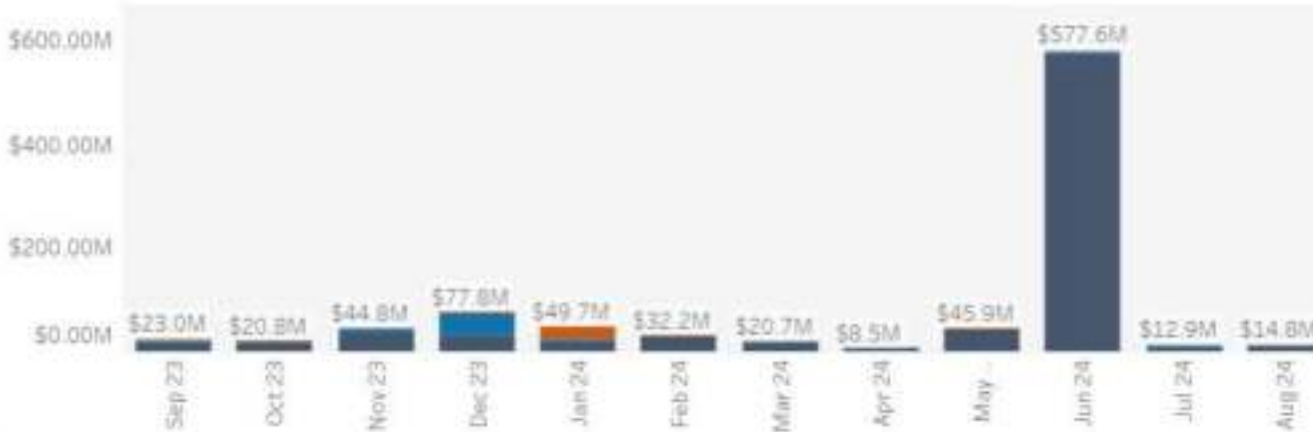


Austin District Letting Volume - 6.2%

FY 2024 Letting Amount (\$) by Let Type



FY 2024 Letting Amount by Month



Annual Budget: FY 2025 Statewide vs. Austin District



Statewide Letting Volume

FY 2025 Letting Amount (\$) by Let Type



FY 2025 Letting Amount by Month

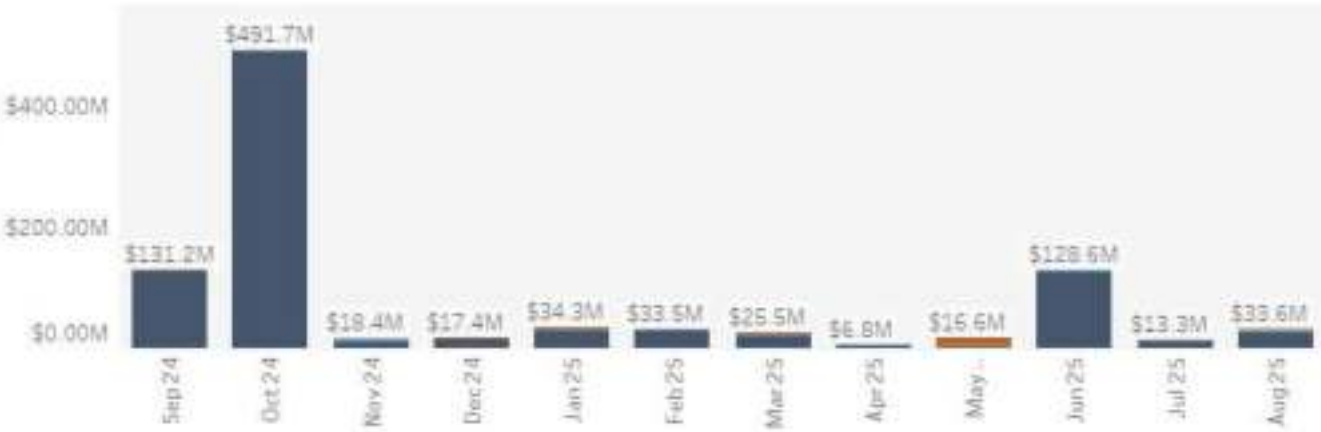


Austin District Letting Volume – 7.6%

FY 2025 Letting Amount (\$) by Let Type



FY 2025 Letting Amount by Month



Annual Budget: FY 2026 Statewide vs. Austin District

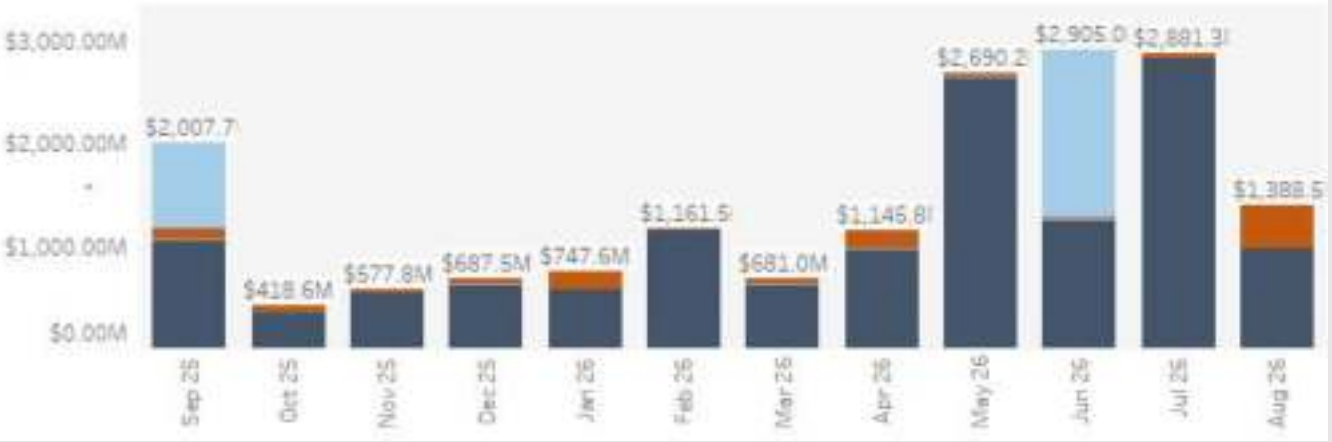


Statewide Letting Volume

FY 2026 Letting Amount (\$) by Let Type



FY 2026 Letting Amount by Month

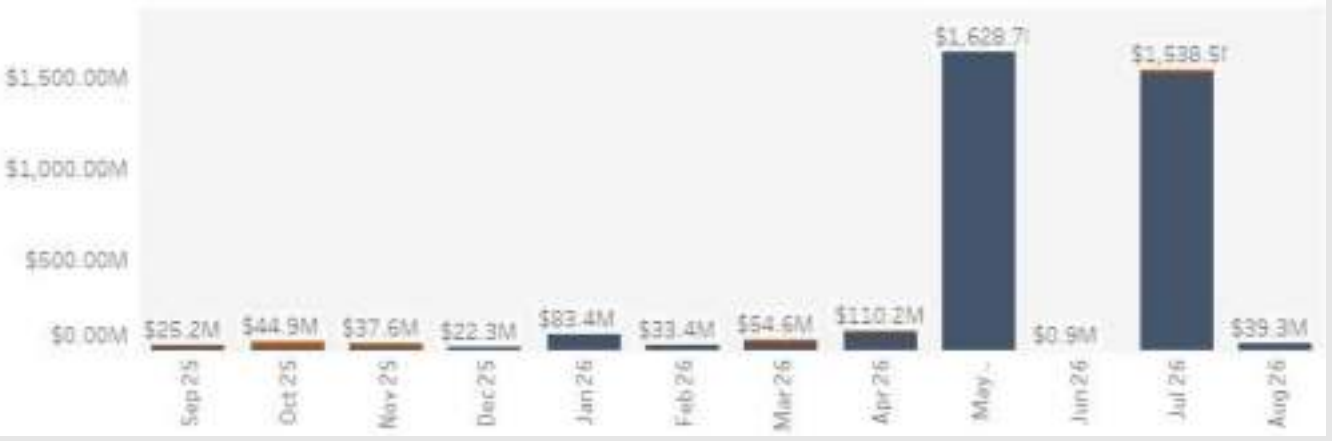


Austin District Letting Volume – 21%

FY 2026 Letting Amount (\$) by Let Type



FY 2026 Letting Amount by Month



Annual Budget: FY 2027 Statewide vs. Austin District



Statewide Letting Volume

FY 2027 Letting Amount (\$) by Let Type



FY 2027 Letting Amount by Month

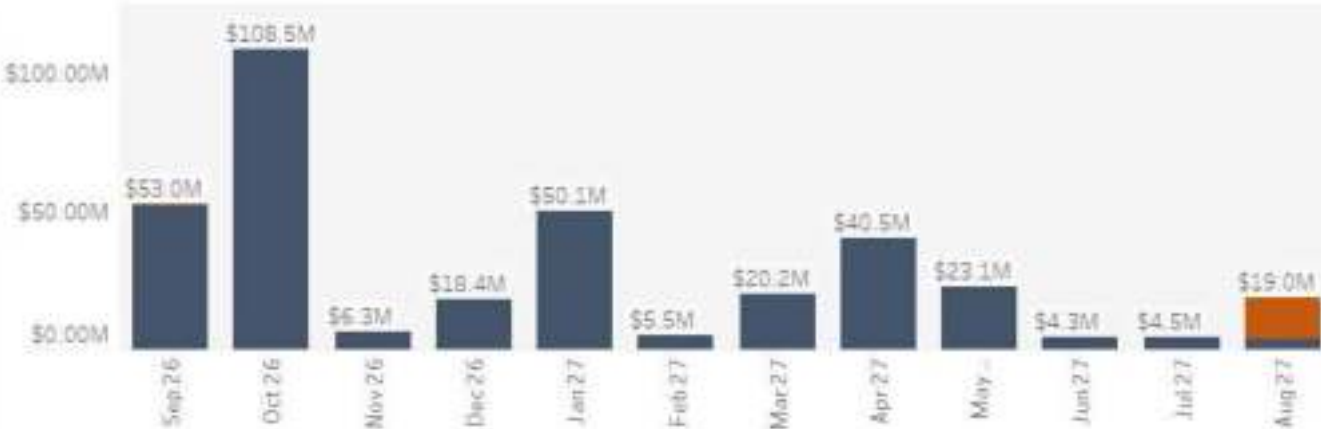


Austin District Letting Volume – 4%

FY 2027 Letting Amount (\$) by Let Type



FY 2027 Letting Amount by Month



Annual Budget: FY 2024 comparing AUS vs SAT

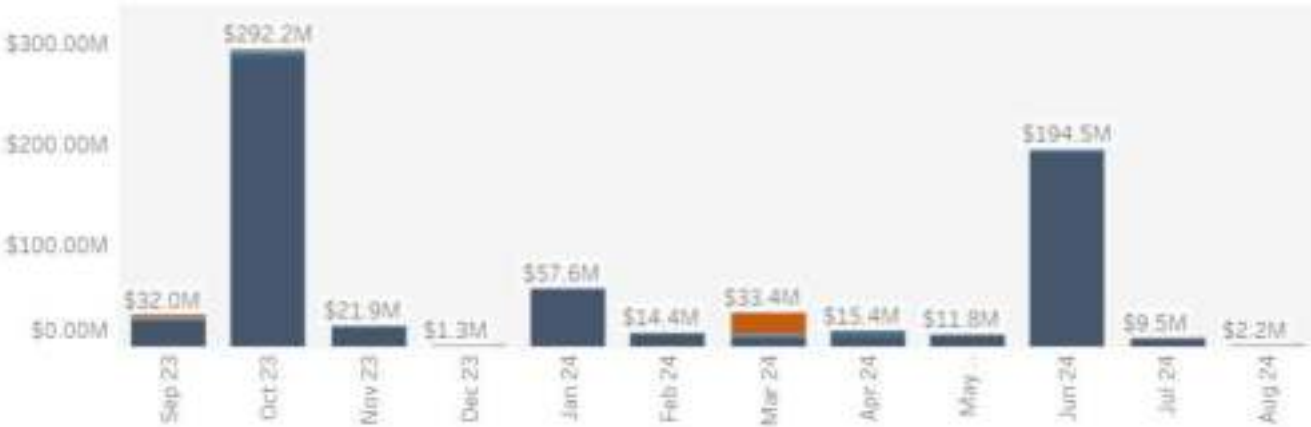


San Antonio District Letting Volume

FY 2024 Letting Amount (\$) by Let Type



FY 2024 Letting Amount by Month

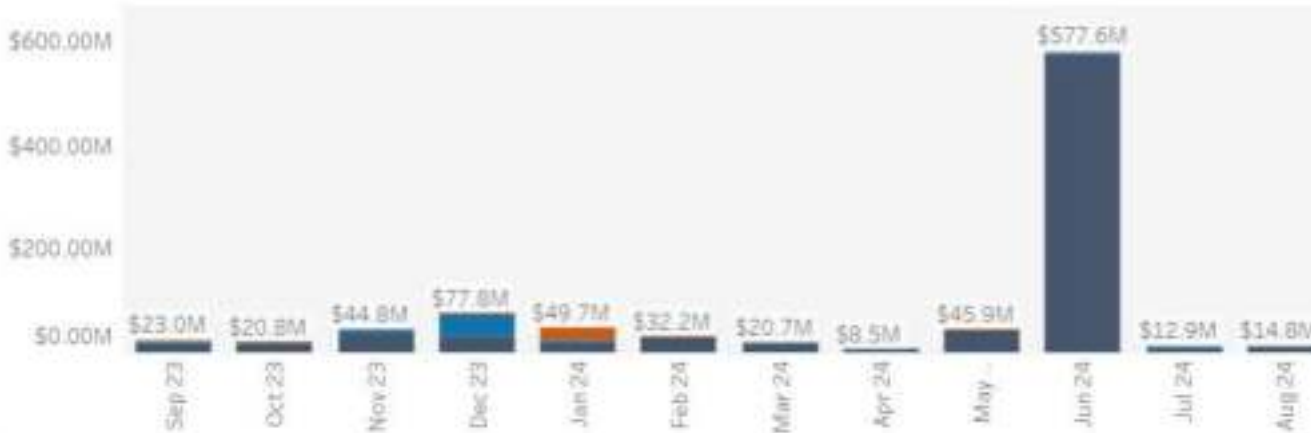


Austin District Letting Volume

FY 2024 Letting Amount (\$) by Let Type



FY 2024 Letting Amount by Month



Annual Budget: FY 2024 comparing AUS vs HOU



Houston District Letting Volume



Austin District Letting Volume

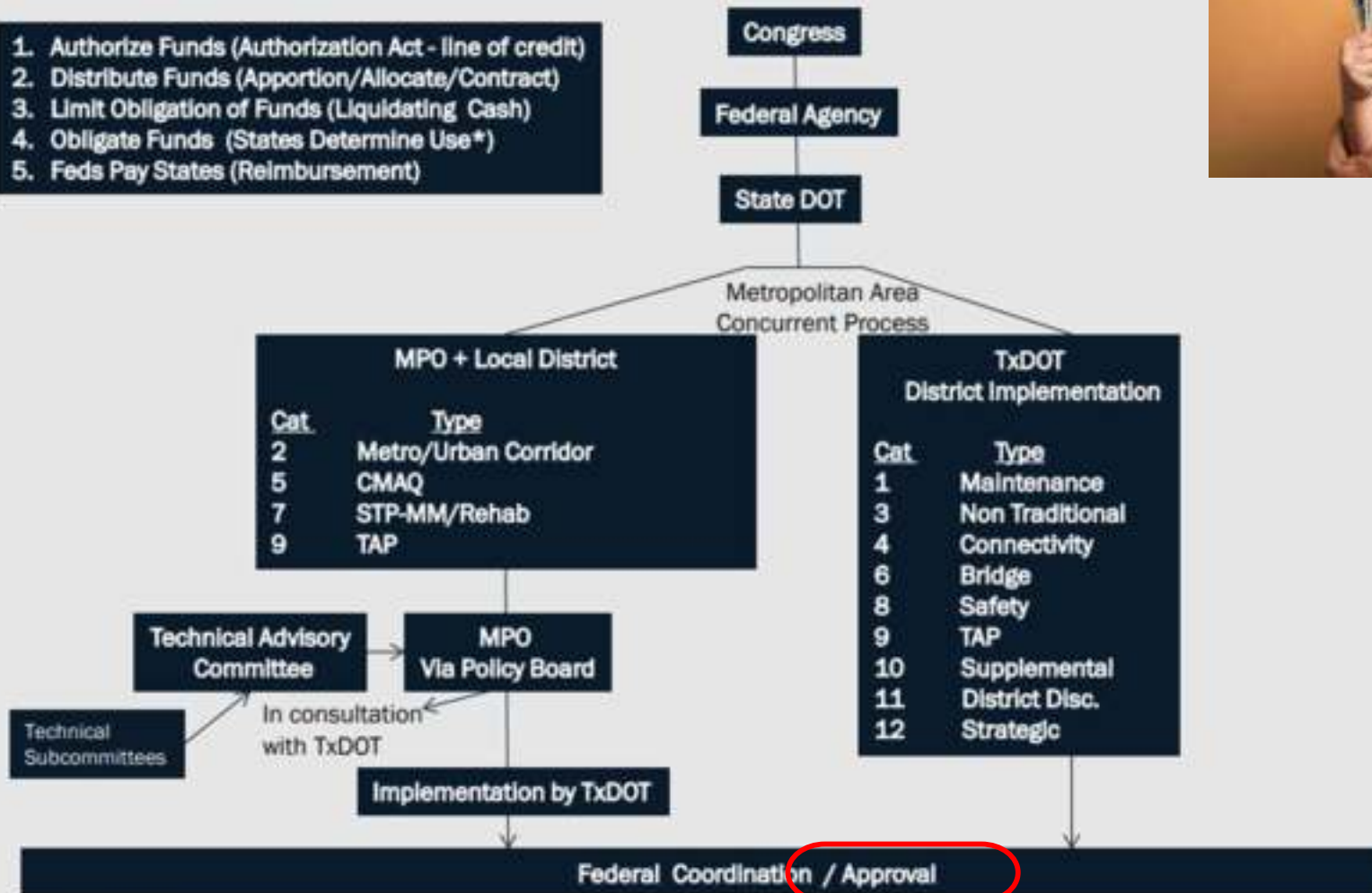


How do we deliver a Billion Dollar Annual Program?

FHWA: Authority



1. Authorize Funds (Authorization Act - line of credit)
2. Distribute Funds (Apportion/Allocate/Contract)
3. Limit Obligation of Funds (Liquidating Cash)
4. Obligate Funds (States Determine Use*)
5. Feds Pay States (Reimbursement)



How do we deliver a Billion Dollar Annual Program?

FHWA: How we get our funding, Comply with S&O Agreement



**STEWARDSHIP AND OVERSIGHT AGREEMENT
ON PROJECT ASSUMPTION AND PROGRAM OVERSIGHT
BY AND BETWEEN
FEDERAL HIGHWAY ADMINISTRATION, TEXAS DIVISION
AND THE
STATE OF TEXAS DEPARTMENT OF TRANSPORTATION**

SECTION II. INTENT AND PURPOSE OF S&O AGREEMENT

The intent and purpose of this S&O Agreement is to document the roles and responsibilities of the FHWA's Texas Division Office (FHWA or Division) and the Texas Department of Transportation (TxDOT) with respect to project approvals and related responsibilities, and to document the methods of oversight which will be used to efficiently and effectively deliver the FAHP.

<https://ftp.txdot.gov/pub/txdot-info/library/reports/gov/fhwa-stewardship/2015-agreement.pdf>

How do we deliver a Billion Dollar Annual Program?

TxDOT and the S&O Agreement: Attachment C



ATTACHMENT C

TxDOT Manuals are available on-line at:
<http://onlinemanuals.txdot.gov/manuals/CollectionList.html>

Program Area	Agreements, Policies, Manuals, Reports	FHWA Approval required	Program Web Site
Administration	TxDOT Oversight and Reporting Requirements for the Federal-aid Highway Program	No	http://www.txdot.gov/inside-txdot/administration.html
Performance Indicators	Preliminary Texas Transportation System Performance Results	No	http://www.txdot.gov/inside-txdot/office/state-affairs/preliminary-performance.html
Bridge	Bridge Project Development Manual Historic Bridge Manual Bridge Design Manual - LRFD	Yes	http://www.txdot.gov/inside-txdot/division/bridge.html
Bicycle Accommodation and Safety	Bicycle and Pedestrian Facilities	No	http://www.txdot.gov/driver/share-road/bicycles.html
Civil Rights	DBE Program Plan	Yes	http://www.txdot.gov/inside-txdot/office/civil-rights/contact.html
Construction and Materials	Construction Contract Administration Manual TxDOT Quality Assurance Program TxDOT Standard Specifications TxDOT Special Specifications TxDOT Special Provisions TxDOT Material Specification (DMS) TxDOT Construction Contract Administration Manual TxDOT Manual of Testing Procedures TxDOT Pavement Design Guide	Yes	http://www.txdot.gov/inside-txdot/division/construction.html
Consultant Services – Professional Engineering Procurement Services (PEPS)	PEPS Contracting: Selection Process Manual PEPS Contracting: Contract Management and Administration Manual	Yes	http://www.txdot.gov/inside-txdot/division/peps.html
Design	Road Design Procedures and Details 3R Minimum Design Guidelines for Rural NHS (Non-Interstate) 3R Minimum Design Guidelines for Urban and Suburban NHS (Non-Interstate) Hydraulic Design Manual Roadway Design Manual	Yes	http://www.txdot.gov/inside-txdot/division/design/bio.html

(Version Date May 14, 2015)

<https://ftp.txdot.gov/pub/txdot-info/library/reports/gov/fhwa-stewardship/2015-agreement.pdf>

How do we deliver a Billion Dollar Annual Program?

Construction Contract Administration Manual



Section 3 — Interim Project Review Guide – State and Federal-Aid Projects

All projects are to be inspected/reviewed on a regular basis to ensure compliance with the contract requirements and that the work is performed according to the plans and specifications. District offices should document their project record reviews for project records compliance at 30%/60%/90% completion (based on project dollar values). Table 1 lists some of the basic compliance categories and the required standard for acceptance.

Table 1 – Basic Project Compliance Categories and Acceptance Standards

Item	Standards
Contractor bulletin board	<ul style="list-style-type: none">• Accessible, readable, postings in accordance with current federal requirements
Traffic Control Plan (TCP) / Barricades	<ul style="list-style-type: none">• Set up according to project TCP, Barricades and Construction (BC), and Work Zone (WZ) standard sheets• Signs & barricades in compliance with current Compliant Work Zone Traffic Control Device (CWZTCD) list• Clean, plumb, none to slight damage, good reflectivity, unobstructed situation
Construction Items	<ul style="list-style-type: none">• Contractor's work is in compliance with plans and specifications and of good quality
Inspection	<ul style="list-style-type: none">• Quantity of inspection staff is adequate for work underway• Inspectors are knowledgeable of the applicable plans and specification requirements for the work being observed• Testing equipment and inspection staff certifications and testing proficiencies are up to date• Adequate testing is occurring to ensure compliance with the QAP and Guide Schedule requirements and quality of the work
Materials	<ul style="list-style-type: none">• All materials incorporated into the project are from qualified manufacturers/producers listed on the appropriate Material Product List (MPL)• Inspectors ensure materials delivered to the project are manufactured according to the relevant plans and specifications requirements and are free of defects and damage• Adequate supporting documentation is available to provide assurance of their American compliance for all predominantly steel or iron products
Progress	<ul style="list-style-type: none">• Monthly schedule updates are being sent by the contractor• Work activities observed are according to current 2-3 week look-ahead schedule• Overall progress is on or ahead of the approved project schedule• If work is behind schedule, the AO has requested the contractor submit a make-up schedule that shows how the contractor will complete the work within the contract time

Section 3 — Interim Project Review Guide – State and Federal-Aid Projects

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MAP 2.2: The Design Division (DES) will develop a standard operating procedure (SOP) and PS&E review checklist that will provide minimum review and retention requirements using best practices from districts and DES reviewers. The SOP and PS&E review checklist, and Design Evaluation Form (noted in MAP 1.2) will be posted to the DES website for district reference and use.

How do we deliver a Billion Dollar Annual Program?

Roadway Design Manual



Manual Notice: 2022-2

From: Marisabel Ramthun, P.E.

Manual: *Roadway Design Manual*

Effective Date: December 19, 2022

Purpose

The *Roadway Design Manual* has been revised to update Table 3-8 which represents 4R travel lane and shoulder widths for Rural two-lane highways. The Table has been updated to add in separate column categories for a future ADT of 400 - 1500, and for a future ADT of 1500-2000. The values of these newly added columns have been updated accordingly.

Contents

Chapter 3, Section 4

Updated Table 3-8 by updating criteria values for travel lanes and shoulders for rural two-lane highways. Also, updated footnotes in table.

Instructions

This manual, and all revisions, applies to all transportation project development (all modes), whether developed by the department or by other entities. Due to projects that may be further along in development with current criteria, this manual, and all revisions, will be effective for all projects beginning with the September 2023 Letting, and if project schematic or 30% plans have not been approved by November 1st 2022. The Districts have the options to use these revisions prior to these dates.



http://onlinemanuals.txdot.gov/txdotmanuals/rdw/3r_project_doc.htm

How do we deliver a Billion Dollar Program?

PS&E Review and Standardization



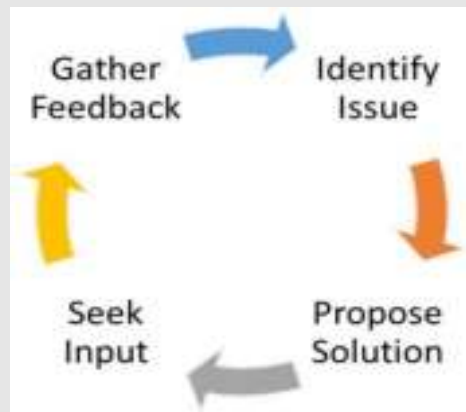
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ENGINEERING REVIEWS

Engineering reviews must be completed and documented for every project. These reviews should be conducted at regular scheduled milestones throughout the project development cycle.

Engineering reviews must be completed by staff members with sufficient knowledge and experience.

Interim review milestones are extremely beneficial. They should be identified and completed for every project. Final engineering reviews are required for every project and must be completed prior to submittal of PS&E to the Design Division for letting.



CONTRACT REVIEWS

Contract reviews should consist of a thorough review of the entire PS&E package to ensure that it is ready to advertise for bidding.

Contract reviews must be completed and documented for every project. These reviews must be conducted by both district review staff and Design Division review staff.

Interim contract reviews should be considered at early project milestones but final contract reviews are mandatory for every project and must be completed prior to submittal to the Design Division for letting.

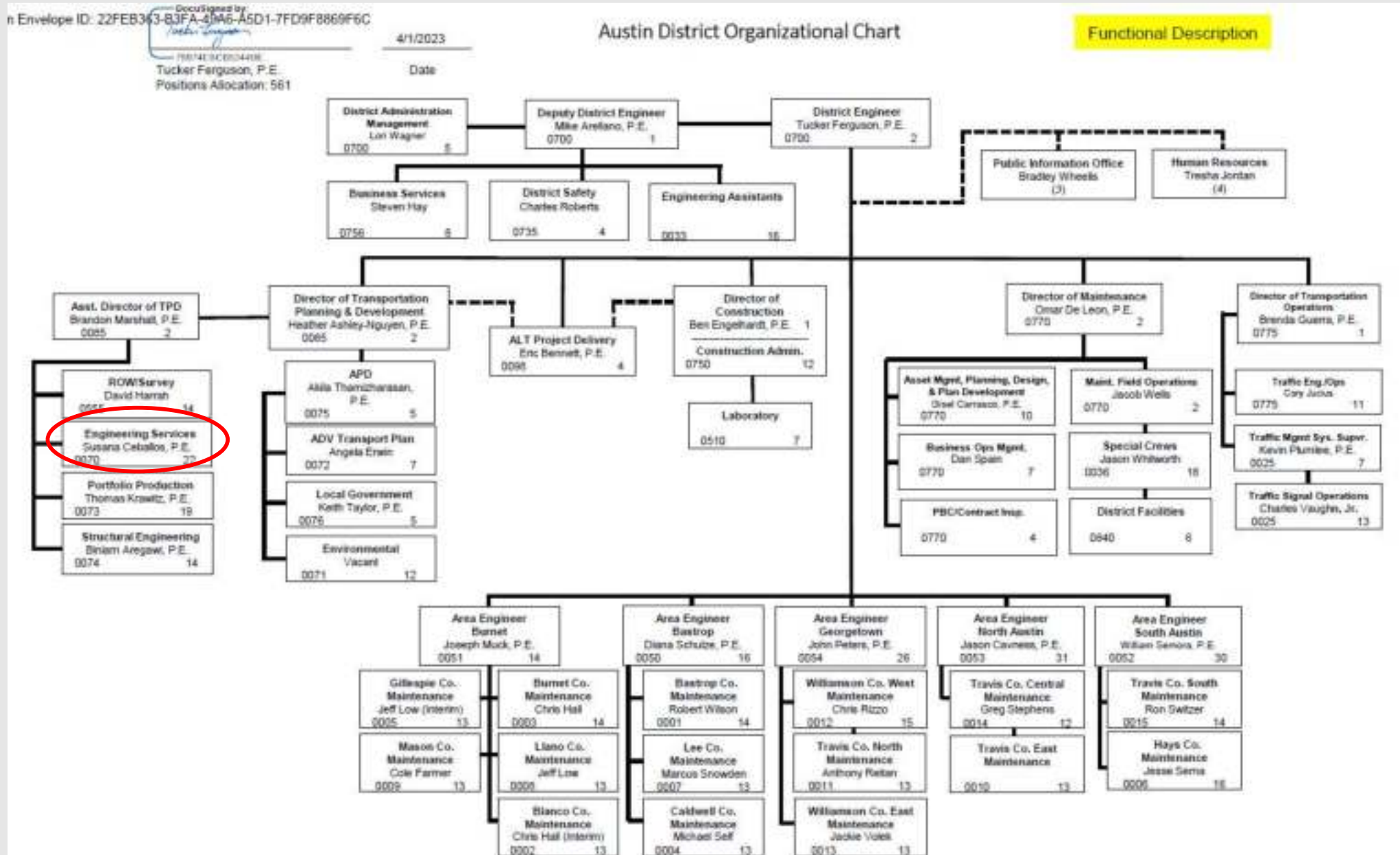
<https://www.txdot.gov/business/resources/design-tools-training/electronic-plan-set-guidance/pse-pre-submittal-preparation.html>

How do we deliver a Billion Dollar Annual Program?

Austin District – 561 FTE



Envelope ID: 22FEB343-83FA-40A6-A5D1-7FD9F8869F6C



How do we deliver a Billion Dollar Annual Program? Engineering Services



DISTRICT ENGINEERING SERVICES

Supervisor: Susana Ceballos, P.E.



Gabe Flores

Gabriel F Flores

Design Project Coord



Project Processing Team Lead: Roy Garcia, P.E.



Project Development Team Lead: Eric Gobert, P.E.



Utility Processing Team Lead: Stefan Smensky

Utility Engineer: Marco Cameron



How do we deliver a Billion Dollar Annual Program?

Implement PS&E Review and Standardization



Engineering SME Reviews by:

1. • Area Engineer & Maintenance Supervisor
2. • Director of Construction
3. • Director of TP&D
4. • Director of Maintenance
5. • Director Traffic Operations
6. • District Design Engineer – Susana Ceballos
7. • District Traffic Engineer
8. • District Schematic Engineer – Eric Gobert
9. • District Bridge Engineer
10. • District Hydraulic Engineer
11. • District Pavement Engineer
12. • District Advance Transportation Planning
13. • District Environmental Coordinator
14. • District Railroad Coordinator – Bill Echols
15. • District Utility Engineer – Marco Cameron
16. • District Right-of-Way Coordinator
17. • District Plan Review Engineer – Roy Garcia
18. • District Landscape Architect & ADA -
19. • District Roadway SME – Beke Bedada
20. • District Developer Agreement SME- Makin G
21. • District LG SME – Kevin Kirchoff
22. • District Scheduler SME – Marcelo A.

<https://www.txdot.gov/business/resources/design-tools-training/electronic-plan-set-guidance/pse-pre-submittal-preparation.html>

How do we deliver a Billion Dollar Annual Program?

Statewide PEPS Spending - \$800 million



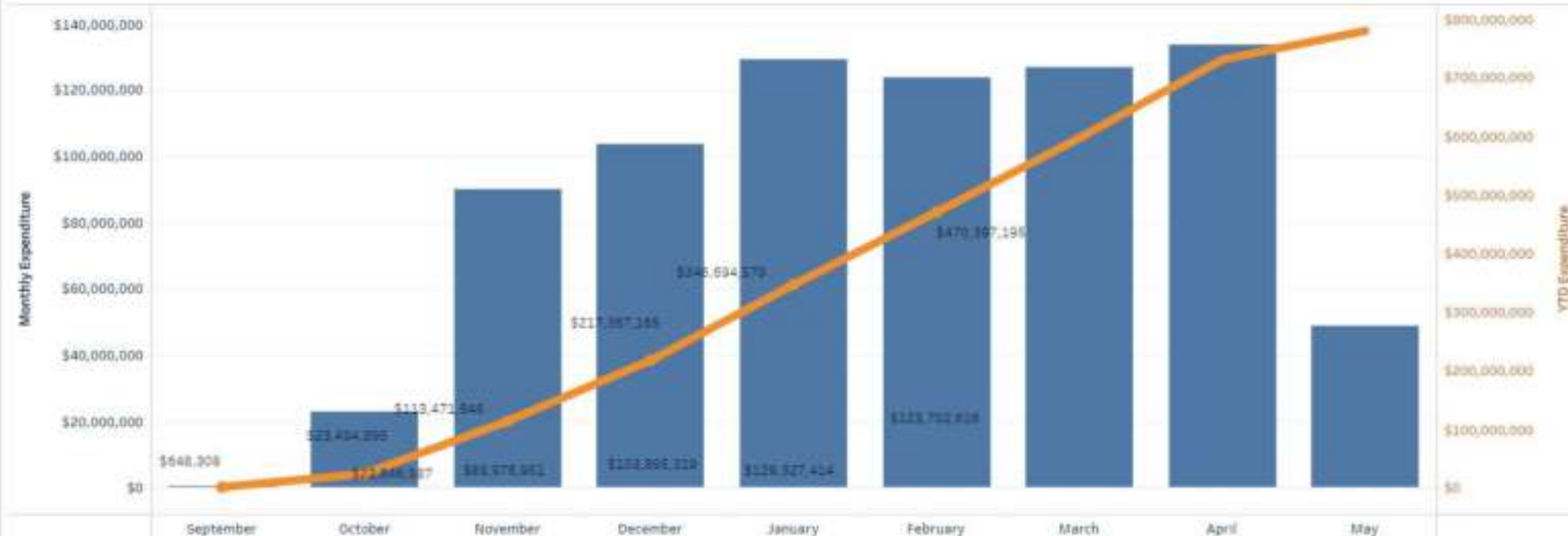
Budget Overview AY24

DD Description
(All)



D/D	Approp	Fund Code	Budget Allocation	PSCAMS Budget Request	LAR	YTD Expenditure	Remaining Balance	Current Month Expenditure
Abilene - B	13363	1006	\$11,814,071			\$2,255,439	\$9,558,632	\$761,140
	13363	1007	\$6,010,896			\$5,927,543	\$3,083,353	\$16,556
	13035	0006	\$7,041,688	\$27,866,655	\$21,970,270	\$1,127,776	\$5,913,912	\$16,386
Alternative Delivery Division - 65	13363	1006	\$2,386,004			\$196,440	\$2,189,564	\$0
	13363	1007	\$4,306,044			\$338,062	\$3,967,982	\$0
	13035	0985	\$0			\$0	\$0	\$0

All Contracted Planning & Design All Funds Expenditures



PSCAMS Budget Request	Budget Allocation	Expenditure in PeopleSoft	% Expended
\$1,591,980,578	\$1,585,859,021	\$780,225,092	49.2%

How do we deliver a Billion Dollar Annual Program?

Austin District PEPS Spending – \$100 million



PSCAMS Budget Request	Budget Allocation	Expenditure in PeopleSoft	% Expended
\$200,017,073	\$200,017,073	\$102,350,284	51.2%

How do we deliver a Billion Dollar Annual Program?

PS&E Review and Standardization



*If you **could** do good things for other people, you had a **moral obligation** to do those things! That's what's at stake here. Not choice. **Responsibility**.*



<https://www.txdot.gov/business/resources/design-tools-training/electronic-plan-set-guidance/pse-pre-submittal-preparation.html>

How do we deliver a Billion Dollar Annual Program?

Austin District Website & Austin District Project Development Manual



**Alexa:
Google “Austin
District Standards
Website”**

The following documents contain the recommended guidelines, procedures and criteria for developing PS&E projects within the Austin District.

Austin District PS&E guidance

Date ▾	Title ▾
07/23	Austin District designers guide
09/21	Austin District pavement design GOP
06/23	Austin District project development manual
02/23	Austin District master general notes
01/23	Austin District P&LR process

Austin District Utility guidance Guides

Date ▾	Title ▾
05/23	Notice of Proposed Construction (NOPC) guide
03/23	Notice of Required Accommodation (NORA) guide
10/22	Special Provisions Underground Utilities guide

<https://www.txdot.gov/about/districts/austin-district/district-standards.html>

How do we deliver a Billion Dollar Annual Program?

Austin District Project Development Manual



Austin District Project Development Manual

Acceleration Determination	
1. Acceleration Checklist is Mandatory.	To be completed as early as possible
2. Intent is to document discussion of what acceleration method (if any) are to be applied to project. Recommend either Kick-off Meeting or Initial Plan Review be used to document discussion and elements to be incorporated	
System Safety Checklist	
1. System Safety Checklist is Mandatory.	To be completed as early as possible
2. Intent is to be used for all District projects to discuss what Safety Elements are to be applied to project. Recommend either Kick-off Meeting or Initial Plan Review be used to document discussion and elements to be incorporated	
3. Checklist is updated based on coordination with District Maintenance efforts. Current Version based on District System Safety Checklist 07-21-20	
For all Bridge and/or Bridge Class Culvert	
1. Prelim Bridge Checklist is Mandatory. (Acronym PBLR - Preliminary Bridge Layout Review introduced)	
2. Checklist is intended to be used per structure in each project. It is acceptable to use single spreadsheet for entire project for documentation purposes make note in comment box for each section that this has been verified for each bridge structure.	
IDF Checklist	
1. IDF Checklist is Mandatory. ***	To be completed and updated in line with Milestone Reviews
*** For projects similar to Preventive Maintenance discuss with DDOG staff if IDF checklist is necessary for project.	
1. Intent of Checklist is to document all project coordination necessary. Emails, meeting summaries, etc documenting effort to be stored in ProjectWise accordingly	
2. Select Yes / No / Not Applicable based on current project progression at the time of milestone development.	
3. Subsequent milestone submittal to revisit previous IDF stage with the intent of updating the understanding to either Yes / Not Applicable	
4. Final submission (Signed and Sealed) to include completed updated of IDF spreadsheets such that there are no longer a "No" response.	
Complete PS&E Submittal checklist	
1. To be filled out by District Plan Reviewer	
2. Information documented on Spreadsheet to identify all necessary files to be provided for the purpose of processing	
Project Certification	
1. To be filled out by District Plan Reviewer	
2. Information documented on Spreadsheet to document close out of all Subject Matter Expert comments provided during Milestone review	
QUICK AND EASY SUBMITTAL GUIDELINES BY % MILESTONE	
1. To be used as reference of expectations of deliverables and Naming Convention for Review & Submittal.	

"People who are trying to change the world need to use checklists."
BUSINESSMAN AND AUTHOR GUY KAWASAKI



Project Development Manual: 60%



Detailed Review										Detailed Review (continued)														
CSJ 0					County 0					Page 1 of 2					Coordinator(Constr): 0					Page 2 of 2				
Project Location 0					Project from 0					Limits To 0					Type of Work 0					Lagmans Desc 0				
Y N N/A					Review/Address Initial Review meeting comments & Action Items					Y N N/A					Traffic Control					Coordinator Person C (AD rep)				
Comments										Y N N/A					Traffic Control Plan and Sequence of Work					Hold traffic control meeting with AD and Construction Office				
										Y N N/A					Road Closure Letter Sent					Date				
										Y N N/A					Ensure access maintained to all adjacent properties									
										Y N N/A					Contract Time					Standard Vls				
										Y N N/A					Acceleration Methods Incorporated					5 day				
										Y N N/A					Discuss Construction Schedule (Magnitude/LOE/Activities) with AD & Dist Const					6 day				
										Y N N/A					Comments					7 day				
										Y N N/A					Design					Coordinator Person A (DDGN PR rep)				
										Y N N/A					Hydraulic Design Complete					Approved by Dist Hyd				
										Y N N/A					Bridge					Coordinator Person D (Str rep)				
										Y N N/A					Bridge Layouts Approved					Date				
										Y N N/A					Paving Vals Approved					Date				
										Y N N/A					Identify Temporary Shoring Needs									
										Y N N/A					Secure Analysis required?					Completed by				
										Y N N/A					Bridge Details Needed					Completed by				
										Y N N/A					Structures Asbestos Inspection Completed					Date				
										Y N N/A					Bridge Inspection Follow Up Action Details Included									
										Y N N/A					Environmental					Coordinator Person G (Dist Env)				
										Y N N/A					Environmental Document and Activities					Date				
										Y N N/A					Check Environmental Document vs. Design									
										Y N N/A					Edwards Aquifer coordination with Dist Env for VAP									
										Y N N/A					Stage Gate Checklist (John Barton Memo 07/07/18)									
										Y N N/A					Complete 60% PS&E Checklist									
										Y N N/A					Submit SV/3P to District Construction for review									
										Y N N/A					Utility					Coordinator Person H (Util rep)				
										Y N N/A					UAR exception Required					RDV CSJ Needed?				
										Y N N/A					Utility Adjustments/Relocation Details									
										Y N N/A					Date for Utility Meeting									
										Y N N/A					Provide copy of plans to utility companies									
										Y N N/A					Management Plan Needed									
										Y N N/A					RDV					Coordinator Person I (RDV rep)				
										Y N N/A					Map/Drill/Field Notes Started					RDV CSJ Needed?				
										Y N N/A					Checked					Expected Completion Date				
										Y N N/A					Outside Participation					Encroachments				
										Y N N/A					Field Visit, drive project and confirm plans are accurate									

"A checklist cannot fly a plane. Instead, they provide reminders of only the most critical and important steps."
SURGEON AND AUTHOR ATUL GAWANDE

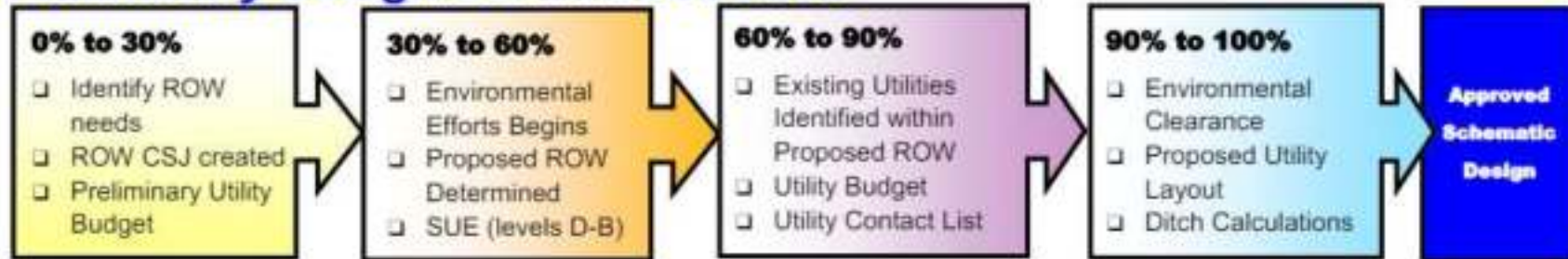




Updated: 10/23/23

Utility Coordination Life Cycle

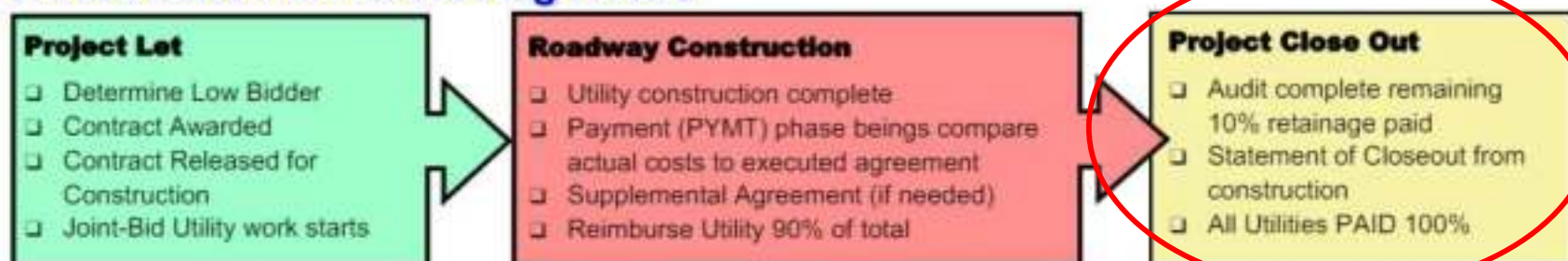
Preliminary Design/Schematic Phase



PS&E Development Phase



Construction & Processing Phase



Milestone Submittal: 30/60%



QUICK AND EASY SUBMITTAL GUIDELINES BY % MILESTONE

30% MILESTONE SUBMISSION: ProjectWise Plan Review 30% Folder.

- 01) READ ME FIRST MEMO
 - 02) PROJECT MANAGEMENT CHECKLIST (IDF Checklist) { INITIAL ONLY }
 - 03) 1234-56-789 HW1234 30% FORM 1002
 - 04) 1234-56-789 HW1234 30% PRELIMINARY ESTIMATE
 - 05) 1234-56-789 HW1234 30% PLANS (TITLE SHEET, TYPICAL SECTIONS)
 - 06) 1234-56-789 HW1234 30% PRELIMINARY BRIDGE LAYOUT(S)
 - 07) 1234-56-789 HW1234 30% PRELIMINARY RETAINING WALL LAYOUT(S)
 - 08) 1234-56-789 HW1234 30% CROSS SECTIONS
 - 09) 1234-56-789 HW1234 30% SAFETY SCORE TOOL (If Applicable)
 - 10) 1234-56-789 HW1234 (SIGNED) AP&D STAGE GATE CHECKLIST (*Advance to PS&E line*)
 - 11) 1234-56-789 HW1234 (SIGNED) PS&E STAGE GATE CHECKLIST (*30% Review line*)
- Submit 1814 forms for Special Specs/Provisions and/or Bid Codes that have been Identified.*

PREPARATION GUIDANCE FOR SUBMITTING PLANS FOR REVIEW:

- A) If it is a consultant submittal. Create a subfolder under the 30 Percent folder in Projectwise (30% SUBMITTAL FROM TBD).
- B) Create another subfolder and label it (30% COMMENTS RECEIVED).
- C) All files submitted for review SHALL be Non-Editable .pdf for review.
- D) If sending files through SharePoint or BlueBeam substitute .pct to avoid errors during file transfer.
- E) Submit the Title Sheet, Typical Sections, and Form 1002 as a separate submittal for processing.
- F) Any new Bid Items added during Project Development will trigger additional review of Designer's Guide.

60% MILESTONE SUBMISSION: ProjectWise Plan Review 60% Folder.

- 01) READ ME FIRST MEMO (*Updated to 60%*)
 - 02) PROJECT MANAGEMENT CHECKLIST (IDF Checklist) { INITIAL + DETAILED }
 - 03) 1234-56-789 HW1234 60% FORM 1002 (*updated*)
 - 04) 1234-56-789 HW1234 60% ESTIMATE (*In TxDOTCONNECT Format*)
 - 05) 1234-56-789 HW1234 60% CERTIFICATIONS
 - 06) 1234-56-789 HW1234 60% PLANS (*detailed design*)
 - 07) 1234-56-789 HW1234 60% CROSS SECTIONS (*with utilities included*)
 - 08) 1234-56-789 HW1234 60% SAFETY SCORE TOOL (If Applicable)
 - 09) 1234-56-789 HW1234 60% CONSTRUCTION MANAGEMENT PLAN (*If Certs are unclear*)
 - 10) 1234-56-789 HW1234 (SIGNED) PS&E STAGE GATE CHECKLIST (*60% Review line*)
- Submit 1814 forms for Special Specs/Provisions and/or Bid Codes that have been Identified.*



行百里者半九十

The last leg of a journey marks
the halfway point

**Final
Submittal**



Final ePS&E Submittal



P.S. & E. REVIEW AND PROCESSING SCHEDULE FOR FY 2025																				
Lettering Month	Desired	Desired	Desired	PIN	Desired DES/DES	Desired	Desired	PIN	Desired DES/DES	Desired DES/DES	CST	Desired DES/DES	PIN/DES/DES	PIN	PIN	PIN/DES/DES	Desired	Desired DES/DES	PIN	
	Recommended	"Complete"	Letter Data Final	Per Candidate List	Candidate	"Complete"	Complete	Executive Monthly	Final Construction	Final PS&E	Begin DES/DES	DES/DES Report	FP&A Submission	Authorization Date	Publish Ad in	Proposed Release to	Letter Data for	Last day before	Lettering Date	
	Deadline for	Letter Data Final	Plan Review	of Projects for	Candidate	Complete	Complete	Schedule Submitted	Major Plans	Due to DES	Cost Setting	Performance End	Deadline	FFAA	EIR	CST	Addendum Change	Addendum is		
	Coordination *	RDG	RDG	Lettering	Project Lettering	of PS&E	Reviewed by	for Approval	Due to DES	Due to DES	Cost Setting	Performance End	Reviewed	Reviewed				Reviewed by	considered late	
	(On-line Date)	(+ 30 Minutes)	RDG		DOGN	(+ 30 Minutes)	DOGN						DOGN				DOGN	on this date)		
					Due to CST															
					Check Date Time															
September	Feb 18, 2024 Fri	Mar 6, 2024 Fri	Apr 12, 2024 Fri	May 6, 2024 Mon	May 13, 2024 Fri	Apr 19, 2024 Fri	May 16, 2024 Fri	May 27, 2024 Mon	Jun 7, 2024 Fri	Jul 5, 2024 Fri	Jul 8, 2024 Mon	Jul 11, 2024 Wed	Aug 7, 2024 Wed	Aug 9, 2024 Fri	Aug 17, 2024 Mon	Aug 19, 2024 Wed	Aug 27, 2024 Wed	Aug 28, 2024 Wed	September 3 & 4	
October	Mar 11, 2024 Fri	Apr 1, 2024 Fri	May 10, 2024 Fri	Jun 3, 2024 Mon	Jun 7, 2024 Fri	May 27, 2024 Fri	Jun 21, 2024 Fri	Jun 24, 2024 Mon	Jul 5, 2024 Fri	Aug 2, 2024 Fri	Aug 5, 2024 Mon	Aug 28, 2024 Mon	Sep 3, 2024 Tue	Sep 6, 2024 Fri	Sep 9, 2024 Mon	Sep 10, 2024 Tue	Sep 15, 2024 Mon	Sep 23, 2024 Mon	October 2 & 3	
November	Apr 18, 2024 Fri	May 10, 2024 Fri	Jun 14, 2024 Fri	Jul 1, 2024 Mon	Jul 5, 2024 Fri	Jun 27, 2024 Fri	Jul 29, 2024 Fri	Jul 31, 2024 Mon	Aug 9, 2024 Fri	Sep 6, 2024 Fri	Sep 9, 2024 Mon	Oct 1, 2024 Tue	Oct 8, 2024 Tue	Oct 11, 2024 Fri	Oct 14, 2024 Mon	Oct 17, 2024 Tue	Oct 22, 2024 Tue	Oct 28, 2024 Tue	November 5 & 6	
December	May 17, 2024 Fri	Jun 7, 2024 Fri	Jul 12, 2024 Fri	Aug 5, 2024 Mon	Aug 9, 2024 Fri	Jul 29, 2024 Fri	Aug 30, 2024 Fri	Aug 30, 2024 Mon	Sep 6, 2024 Fri	Oct 4, 2024 Fri	Oct 7, 2024 Mon	Oct 28, 2024 Mon	Nov 4, 2024 Mon	Nov 7, 2024 Thu	Nov 9, 2024 Fri	Nov 13, 2024 Tue	Nov 18, 2024 Mon	Nov 27, 2024 Mon	December 3 & 4	
January	Jun 11, 2024 Fri	Jun 27, 2024 Fri	Aug 16, 2024 Fri	Sep 9, 2024 Mon	Sep 13, 2024 Fri	Aug 30, 2024 Fri	Sep 27, 2024 Fri	Sep 27, 2024 Mon	Oct 4, 2024 Fri	Nov 1, 2024 Fri	Nov 11, 2024 Mon	Dec 2, 2024 Mon	Dec 6, 2024 Mon	Dec 12, 2024 Thu	Dec 16, 2024 Mon	Dec 17, 2024 Tue	Dec 23, 2024 Mon	Dec 30, 2024 Mon	January 7 & 8	
February	Jul 18, 2024 Fri	Aug 6, 2024 Fri	Sep 13, 2024 Fri	Sep 30, 2024 Mon	Oct 4, 2024 Fri	Sep 27, 2024 Fri	Oct 31, 2024 Fri	Oct 31, 2024 Mon	Nov 8, 2024 Fri	Dec 5, 2024 Fri	Dec 8, 2024 Mon	Jan 5, 2025 Wed	Jan 6, 2025 Wed	Jan 13, 2025 Fri	Jan 16, 2025 Mon	Jan 17, 2025 Tue	Jan 23, 2025 Wed	Jan 28, 2025 Wed	February 4 & 5	
March	Aug 16, 2024 Fri	Sep 6, 2024 Fri	Oct 11, 2024 Fri	Nov 4, 2024 Mon	Nov 8, 2024 Fri	Oct 31, 2024 Fri	Nov 22, 2024 Fri	Nov 27, 2024 Mon	Dec 5, 2024 Fri	Jan 2, 2025 Fri	Jan 6, 2025 Mon	Jan 27, 2025 Mon	Feb 3, 2025 Mon	Feb 6, 2025 Thu	Feb 19, 2025 Mon	Feb 11, 2025 Tue	Feb 17, 2025 Mon	Feb 24, 2025 Mon	March 4 & 5	
April	Sep 13, 2024 Fri	Oct 4, 2024 Fri	Nov 8, 2024 Fri	Dec 3, 2024 Mon	Dec 6, 2024 Fri	Nov 29, 2024 Fri	Dec 20, 2024 Fri	Dec 23, 2024 Mon	Jan 3, 2025 Fri	Jan 31, 2025 Fri	Feb 5, 2025 Mon	Feb 24, 2025 Mon	Mar 5, 2025 Wed	Mar 7, 2025 Fri	Mar 18, 2025 Mon	Mar 12, 2025 Tue	Mar 18, 2025 Wed	Mar 26, 2025 Wed	April 2 & 3	
May	Oct 11, 2024 Fri	Nov 5, 2024 Fri	Dec 9, 2024 Fri	Jan 10, 2025 Mon	Jan 13, 2025 Fri	Dec 31, 2024 Fri	Jan 27, 2025 Fri	Jan 27, 2025 Mon	Jan 31, 2025 Fri	Feb 28, 2025 Fri	Mar 5, 2025 Mon	Mar 26, 2025 Mon	Apr 3, 2025 Wed	Apr 6, 2025 Fri	Apr 7, 2025 Mon	Apr 8, 2025 Tue	Apr 14, 2025 Wed	Apr 22, 2025 Wed	May 1 & 2	
June	Nov 15, 2024 Fri	Dec 6, 2024 Fri	Jan 10, 2025 Fri	Jan 27, 2025 Mon	Jan 31, 2025 Fri	Jan 27, 2025 Fri	Feb 21, 2025 Fri	Feb 24, 2025 Mon	Feb 28, 2025 Fri	Apr 4, 2025 Fri	Apr 7, 2025 Mon	Apr 28, 2025 Mon	May 6, 2025 Tue	May 9, 2025 Thu	May 12, 2025 Mon	May 13, 2025 Tue	May 20, 2025 Tue	May 27, 2025 Tue	June 4 & 5	
July	Dec 13, 2024 Fri	Jan 6, 2025 Fri	Feb 7, 2025 Fri	Feb 24, 2025 Mon	Feb 28, 2025 Fri	Feb 24, 2025 Fri	Mar 24, 2025 Fri	Mar 24, 2025 Mon	Apr 4, 2025 Fri	May 2, 2025 Fri	May 7, 2025 Mon	May 28, 2025 Mon	Jun 5, 2025 Mon	Jun 6, 2025 Tue	Jun 9, 2025 Mon	Jun 10, 2025 Tue	Jun 16, 2025 Mon	Jun 23, 2025 Mon	July 1 & 2	
August	Jan 17, 2025 Fri	Feb 7, 2025 Fri	Mar 14, 2025 Fri	Mar 21, 2025 Mon	Apr 4, 2025 Fri	Mar 28, 2025 Fri	Apr 25, 2025 Fri	Apr 25, 2025 Mon	May 2, 2025 Fri	Jun 6, 2025 Fri	Jun 9, 2025 Mon	Jun 2, 2025 Wed	Jun 9, 2025 Wed	Jun 11, 2025 Fri	Jun 14, 2025 Mon	Jun 18, 2025 Wed	Jun 23, 2025 Wed	Jun 30, 2025 Wed	August 7 & 8	

* Recommended the project requiring an EIR Review (Final) only. Submittals should include: Title Sheet, Typ Sections, 100% EIR/DES/DES, Safety Study, Data, Analysis, Design, Project Development, Material, Construction, Safety, etc.

*** Coordinate with District Design staff in advance if a project will not require a Final Review. A review copy must be provided by the DES. All items to be accepted to meet scheduled review and delivery schedule. District Projects can be reviewed according to this date. Lettering projects will be addressed by separate schedule.

Final ePS&E Submittal



Letting Month	District	District	District	FIN	District/DES/CST	District	District	District/DES	FIN
	Recommended Deadline for Initial 30% Coordination *	"Complex" Latest Date Final Plan Review 90% (> 30 Million) \$\$\$	Latest Date Final Plan Review 90% **	Post Candidate List of Projects for Letting	Confirm Candidate Projects Listing Draft Certs Due Form 2229 Due to CST	"Complex" Complete ePS&E Received by DDGN (> 30 Million) \$\$\$	Complete ePS&E Received by DDGN	Last day before Addendum is considered late (ADM approval required after 5pm on this date)	Letting Dates
	(No later than)	(No later than)	(No later than)		(Draft Certs Due)	(No later than)	(No later than)		
September	Feb 16, 2024 Fri	Mar 8, 2024 Fri	Apr 12, 2024 Fri	May 6, 2024 Mon	May 10, 2024 Fri	Apr 19, 2024 Fri	May 24, 2024 Fri	Aug 28, 2024 Wed	September 5 & 6
October	Mar 15, 2024 Fri	Apr 5, 2024 Fri	May 10, 2024 Fri	Jun 3, 2024 Mon	Jun 7, 2024 Fri	May 17, 2024 Fri	Jun 21, 2024 Fri	Sep 23, 2024 Mon	October 1 & 2
November	Apr 19, 2024 Fri	May 10, 2024 Fri	Jun 14, 2024 Fri	Jul 1, 2024 Mon	Jul 5, 2024 Fri	Jun 21, 2024 Fri	Jul 26, 2024 Fri	Oct 29, 2024 Tue	November 6 & 7

5 months before letting

P.S. & E. REVIEW AND PROCESSING SCHEDULE FOR FY 2025							
FIN	District/DES	District/DES	CIV	District/FIN	FIN/CIV	FIN	FIN
Tentative Monthly Schedule Submitted for Approval	Final Construction Mgmt Plans Due to DES	Final PS&E Due to DES	Begin DBE/SBE Goals Setting	DIST Report Performance End Dates ***** FIN Reviews Performance End Dates	FPAA Submission Deadline ***** Finalized DBE/SBE Goals Set	Authorization Date (FPAA)	Publish Ads in ESBD
May 27, 2024 Mon	Jun 7, 2024 Fri	Jul 5, 2024 Fri	Jul 8, 2024 Mon	Jul 31, 2024 Wed	Aug 7, 2024 Wed	Aug 9, 2024 Fri	Aug 12, 2024 Mon
Jun 24, 2024 Mon	Jul 5, 2024 Fri	Aug 2, 2024 Fri	Aug 5, 2024 Mon	Aug 26, 2024 Mon	Sep 3, 2024 Tue	Sep 6, 2024 Fri	Sep 9, 2024 Mon
Jul 22, 2024 Mon	Aug 2, 2024 Fri	Sep 6, 2024 Fri	Sep 9, 2024 Mon	Oct 1, 2024 Tue	Oct 8, 2024 Tue	Oct 11, 2024 Fri	Oct 14, 2024 Mon

11 weeks / 6 weeks

3 weeks 21 days

5 weeks



Final Review and Final ePS&E Submittal

90% MILESTONE SUBMISSION: ProjectWise Plan Review 90_95% Folder.

- 01) READ ME FIRST MEMO (Updated to 90%)
- 02) PROJECT MANAGEMENT CHECKLIST (IDF Checklist) (INITIAL + DETAILED + FINAL)
- 03) 1234-56-789 HW1234 90% FORM 1002 (updated)
- 04) 1234-56-789 HW1234 90% GENERAL NOTES
- 05) 1234-56-789 HW1234 90% ESTIMATE (In TxDOTCONNECT Format)
- 06) 1234-56-789 HW1234 90% SPEC LIST
- 07) 1234-56-789 HW1234 90% CONTRACT SCHEDULE
- 08) 1234-56-789 HW1234 90% CERTIFICATIONS (updated)
- 09) 1234-56-789 HW1234 90% FORM 2229
- 10) 1234-56-789 HW1234 90% FORM 2699
- 11) 1234-56-789 HW1234 90% PLANS (final design)
- 12) 1234-56-789 HW1234 90% CROSS SECTIONS (final)
- 13) 1234-56-789 HW1234 90% SAFETY SCORE TOOL (If Applicable)
- 14) 1234-56-789 HW1234 90% CONSTRUCTION MANAGEMENT PLAN (If Certs are unclear)
- 15) 1234-56-789 HW1234 (SIGNED) PS&E STAGE GATE CHECKLIST (90% Review line)

Submit 1814 forms for Special Specs/Provisions and/or Bid Codes that have been identified.

100% ePS&E COMPLETE SUBMISSION: ProjectWise Plan Review ePS&E Folder.

- 01) 0120(Letting Date) 1234-56-789(CS/) TRAVIS(County).pdf (THIS IS YOUR PLANS PORTFOLIO)
- 02) 0120(Letting Date) 1234-56-789(CS/) TRAVIS(County)(SUPPORTING DOCS).pdf (THIS IS YOUR SUPPORTING DOCS PORTFOLIO)
- 03) 1234-56-789 HW1234 FINAL ELECTRONIC GENERAL NOTES (RTF format)
- 04) 1234-56-789 HW1234 FINAL CROSS SECTIONS (Native Format)
- 05) 1234-56-789 HW1234 FINAL SAFETY SCORE TOOL (If Applicable)
- 06) 1234-56-789 HW1234 (SIGNED) PROJECT LETTING CERTIFICATION ACKNOWLEDGEMENT FORM
- 07) 1234-56-789 HW1234 (SIGNED) AP&D STAGE GATE CHECKLIST (Advance to PS&E line)
- 08) 1234-56-789 HW1234 (SIGNED) PS&E STAGE GATE CHECKLIST (Advance to Letting line)

Submit 1814 forms for Special Specs/Provisions and/or Bid Codes that have **NOT** been previously identified.

The naming convention of files included in the PLANS PORTFOLIO pdf **SHALL** match the names as they appear on the Index of 5.

The files to be included in the SUPPORTING DOCUMENTS PORTFOLIO **SHALL** BE NAMED, AND ARE, AS FOLLOWS.

- 001 FORM 1002 (editable)
- 002 SPEC LIST
- Leave the General Notes out of the Docs Portfolio. DDGN will insert the .pdf here from the .RTF file provided above.
- 004 ESTIMATE
- 005 CONTRACT SCHEDULE (signed and dated with anticipated construction completion date noted)
- 006 FORM 2229 SIGNIFICANT PROCEDURES (editable)
- 007 CERTIFICATIONS (signed and dated)
- 008 FORM 2699 SPECIFIC LIQUIDATED DAMAGES (editable)
- 009 FORM 2502 VALUE ENGINEERING RECOMMENDATIONS
- 010 CONSTRUCTION MANAGEMENT PLAN



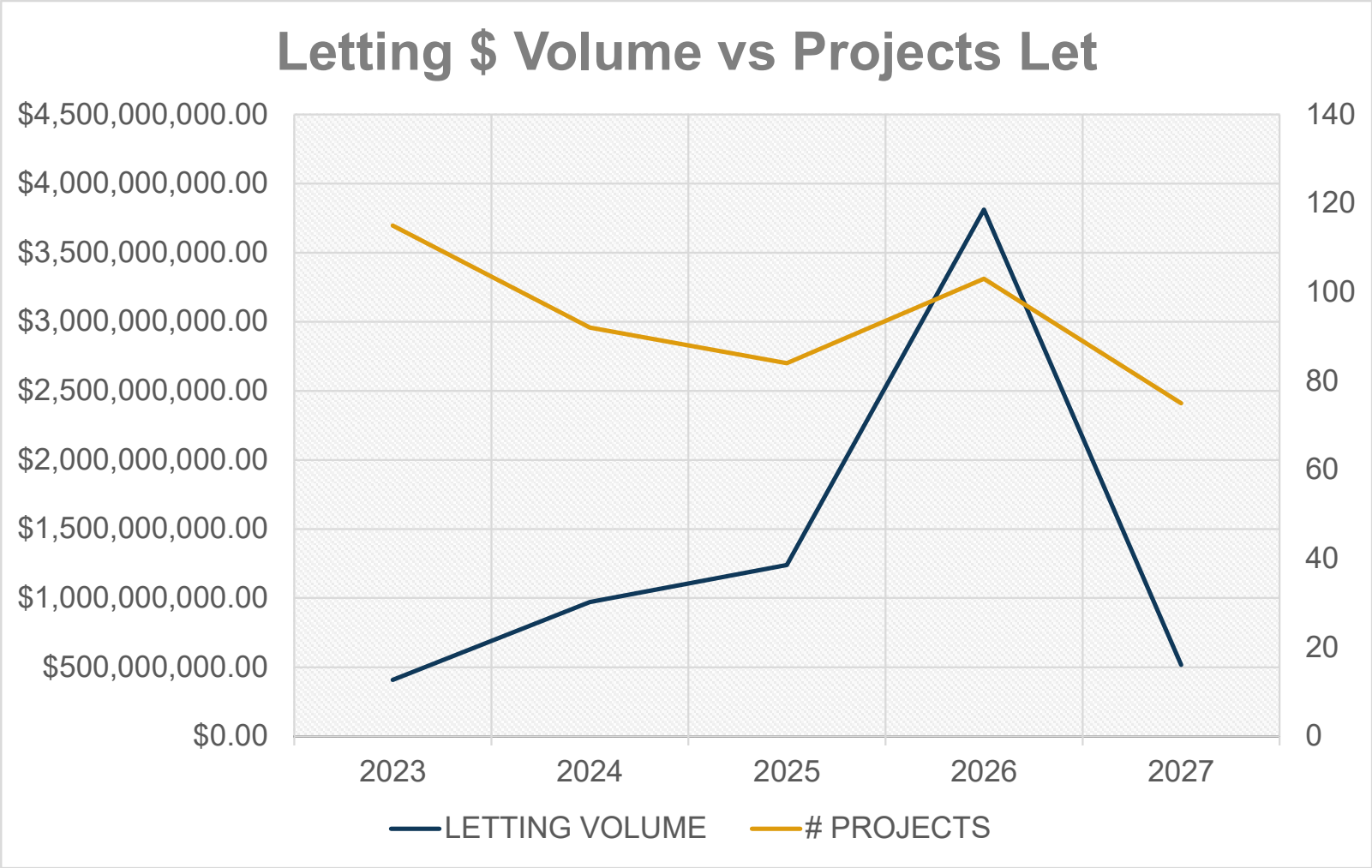
Project Development Manual:

Why are checklist so powerful?



- Ensure **compliance** of **essential tasks** get done.
- Provide **discipline and consistency**.
- Save time** by eliminating errors, therefore avoiding time wasted.
- Improve productivity** – do more with less.



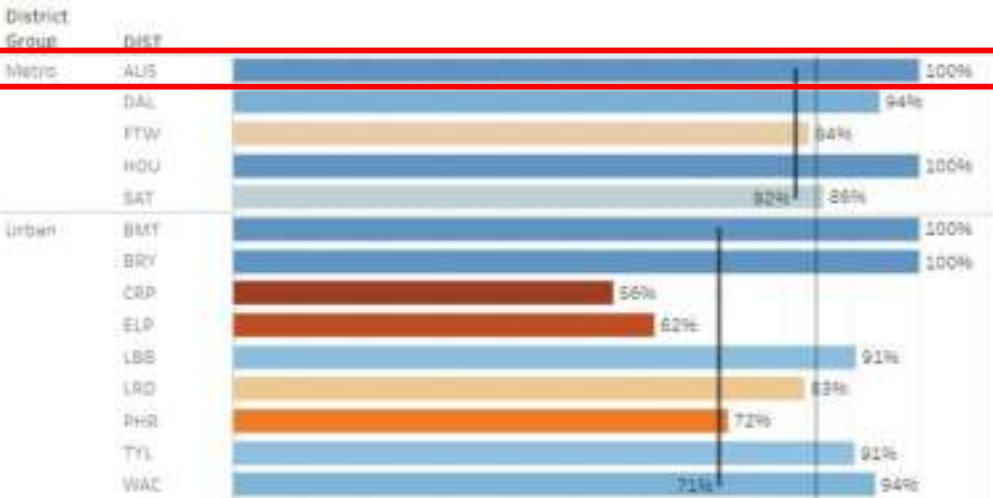




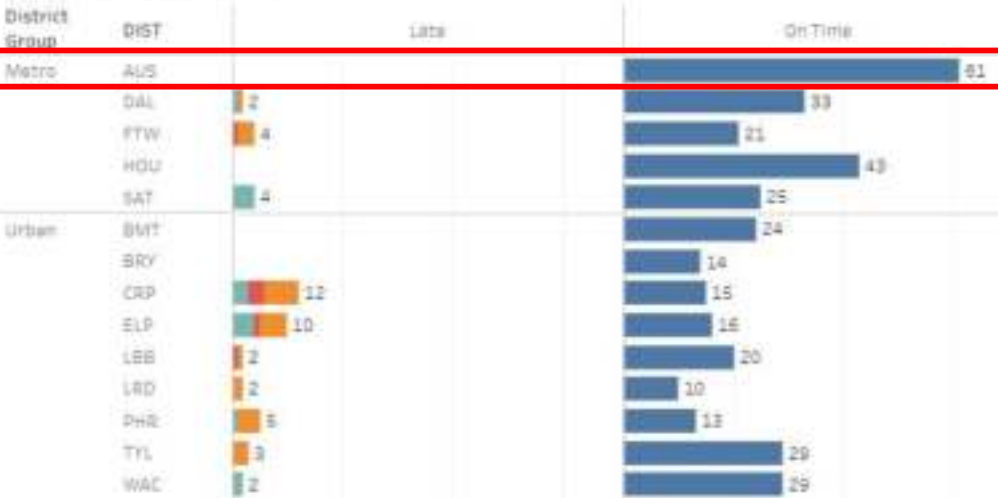
District Project Submittal Dashboard



Percent of On Time Projects by District



Projects by District



Deliver on time and on budget: Save lives

Safety: Mission
ZERO



Safety Never Stops!



Project Development Manual: Safety System Checklist

System Safety Checklist - Major Improvement and Construction Projects					
System Safety Item	Roadway	Check if Applicable	Criteria	Conditions	
Pavement Surface	All Roadways	<input type="checkbox"/>	High Friction Surface Treatment	Install surfacing that meets criteria across entire pavement width. Use of high friction surface mixes: seal coat, PFC, SMA and TOM. See the Austin District Pavement Design SOP for surface mixtures map.	
Pavement Repair/Level Up	All Roadways	<input type="checkbox"/>	2"-4" repairs: 5"-15" level up	Include as needed. Refer to PPM estimate template and flexible pavement detail, anything over 4" repairs or 15" level up will require pavement evaluation.	
WZ Striping	All Roadways	<input type="checkbox"/>	Profile Striping	If an existing roadway has profile striping, use Type Y and V buttons as WZ striping at 10" spacing for centerline and edge lines for the duration of construction to improve safety in WZ. Refer to item 662 Austin District Designers Guide.	
Lane PPM Spacing	All Roadways	<input type="checkbox"/>	40 foot	As warranted for safety countermeasure by the Engineer such as but not limited to rural roadway with high side swipe crashes or undivided roadways.	
Center Line PPM Spacing	All Roadways	<input type="checkbox"/>	40 foot/20 foot	40 foot for two lane two way and four lane two way roads. 20 foot for curves with high number of Head-On/Run-off-Road crashes.	
Edge Line Striping	All Roadways	<input type="checkbox"/>	Profile Striping	Use profile striping in lieu of milled-in rumble strips per high friction surface treatment policy and milled-in rumble strip standards. Refer to item 666 and 668 in Austin District Designers Guide for additional information.	
Center Line Striping	All Undivided Roadways	<input type="checkbox"/>	Profile Striping	Use profile striping.	
	Undivided Roadway with Shoulder ≥ 4 ft.	<input type="checkbox"/>	3006 dual center to center-only for continuous stripe	Reduce shoulder width on each side. Standard: SB-2-23 (state to use) SB-1-23 (state to use)	
	Undivided Roadway with Shoulder < 4 ft.	<input type="checkbox"/>	Max of 18 inch center to center	Refer to pavement marking standard for two lane two way and four lane two way roads. Standard: PM(1)-22 (state to use)	
Centerline Rumble Strip	All Undivided Roadways	<input type="checkbox"/>	Prelubricated strips	Refer to standard and item 666 and 668 in Austin District Designers Guide for additional information.	
Metal Beam Guardrail	All Roadways	<input type="checkbox"/>	Upgrade to latest standard	Ensure that TAB are upgraded to new standard, upgrade MBOF to new standard to meet height requirements. Refer to item 540 & 544 in Austin District Designers Guide for additional information.	
Center Median	5-lane, undivided roadways	<input type="checkbox"/>	Raised center median	Consider installation of raised center median where ADT exceeds 20,000 vehicles per day and/or where there are operations concerns for med-block jams.	
Median Barrier	Divided highways	<input type="checkbox"/>	Width of median	Cable barrier use if median is greater than 25'. Concrete barrier if median is less than or equal to 25'. For median barrier consider ped barrier where pedestrian fatalities exist. See Mark Mark Memo dated June 21, 2006 and standard for further guidance. Refer to item 519 and 543 in Austin District Designers Guide for additional information.	
Continuous Barrier & Bridge Rail Delineations	All Roadways	<input type="checkbox"/>	Reflector at max 100 feet	Refer to D&OM(1)-20 for reflector type - CTB tab. Refer to D&OM(1)-20 and D&OM(1)-20 for spacing and phase in reflector in accordance to D&OM(2)-20 on the side of the CTB. Refer to item 658 in Austin District Designers Guide for additional information.	
Curve Warning Devices	Roadways with Substandard with D&OM(3)-28	<input type="checkbox"/>	Upgrade	Identify any curves without chevrons on stage curves meeting the latest criterion on D&OM(3)-20.	
Intersection Studies	All Roadways	<input type="checkbox"/>	New signal flashing beacon stop condition/Upgrade Signals + Ped	If not pre-qualified new signal, existing location or stop condition. Consider sign distance and advance warning sign that may and be on links. Upgrade based on age and existing equipment. Include pedestrian accommodations. For stop condition on minor roadway include use of install Texas Austin District Stop Sign (T&M).	
Grade Separation	As required if feasible	<input type="checkbox"/>	Grade separate intersection	Install grade separation for railroad or other intersecting road as warranted.	
Railroad Crossings	All Roadways	<input type="checkbox"/>	All crossings-all projects	Replant, as necessary, based on condition. Correct vertical profile issues to avoid humped intersections. Coordinate with District Railroad coordinators.	
Pedestrian Elements	All Roadways	<input type="checkbox"/>	Pedestrian Elements	Include shared used path, curb ramps and ped signals.	
ITS	All Roadways	<input type="checkbox"/>	New Installation	Phase in Phase 1 coordination sequence. Design alignment for proper placement, if not possible specify to maintain existing ITS infrastructure throughout construction.	
Intersection Safety Lighting	All Roadways	<input type="checkbox"/>	Lighting	Install lighting at an intersection where either none existed previously or major improvements are proposed. Consider high mast at interchanges/oversections. Install lighting with all traffic signal installation. Review crash history light conditions.	
Segment Safety Lighting	All Roadways	<input type="checkbox"/>	High Mast Illumination/Continuous Safety lighting	Install high mast as default, consider continuous or partial lighting if high mast is not warranted. Install lighting in first phase of the construction sequence if possible to improve safety during construction.	
Prep ROW	All Roadways	<input type="checkbox"/>	Clear zone	Remove all obstructions from the clear zone including trees. Avoid added elements within the clear zone. Verify if tree(s) have significance that would warrant preservation. Design to desirable.	
Tree and Brush Trimming and Removal	All roadways with trees or brush with clearance height less than 20 feet or within clear zone	<input type="checkbox"/>	Clearance of a minimum of 20 feet/Clear Zone	Identify any tree or brush within the limit with less than 20-foot clearance. Eliminate obstruction/tree or protect. Include district tree trim standard and prep ROW bid item.	
Mowing	All Roadways	<input type="checkbox"/>	Greater than 12 month duration	Refer to item 730, 734, & 738 in Austin District Designers Guide for additional information.	
Litter Pick-Up	All Roadways	<input type="checkbox"/>	Greater than 12 month duration	Refer to item 730, 734, & 738 in Austin District Designers Guide for additional information.	
Stenciling	All Roadways	<input type="checkbox"/>	Greater than 27 month duration	Refer to item 730, 734, & 738 in Austin District Designers Guide for additional information.	

Pavement Design Request Guide

System Safety Checklist-Const

System Safety Checklist-PM

Preliminary Bridge Layout

Railroad Coordination

IDF-Initial



WORK ZONE

AMERICAN WEEK | APRIL 3-11, 2018

PAY ATTENTION OR PAY THE PRICE

You're in the driver's seat.



BE SAFE. DRIVE SMART.

CHECKING THESE VITAL SIGNS CAN SAVE A LIFE.

Thousands of Texans die needlessly every year because drivers ignore important road signs. Here are a few simple things you can do that could save a life—maybe even your own.

			
A pedestrian is killed every day in Texas, on average. <ul style="list-style-type: none">Watch for pedestrians.Don't drink the road with your vehicle.When you're a pedestrian crossing a street, watch out for traffic and stop off your phone.	Speed is a factor in over 700 deaths a year in Texas. <ul style="list-style-type: none">Obey the posted speed limit & drive in bad conditions.Don't drive aggressively.Keep eyes on the road & control the vehicle in front of you.	Over 100 Texans are killed in work zones every year. <ul style="list-style-type: none">Slow down and drive the posted speed in work zones.Watch for workers.Stay off your cell & be prepared to stop.Keep a safe distance from the car in front of you.	On average, a cyclist is killed every 9 days in Texas. <ul style="list-style-type: none">Watch for cyclists in traffic.Stay alert & watch for them.Know 3 feet of clearance when passing a cyclist.Never drink & drive. The only way to stay safe is to stay sober.

Drive FRIENDLY. Drive SAFE. *Remember, you're a lifesaver!* Save a Life

Safety: Mission ZERO

