

THE POWER OF YOU - Delivering Right-Of-Way Solutions to Texas

Final Plans Specifications and Estimates (PS&E) / Construction Management Plans (CMP's)

Track 2 Session 2
Day 2 - 12/13/2023

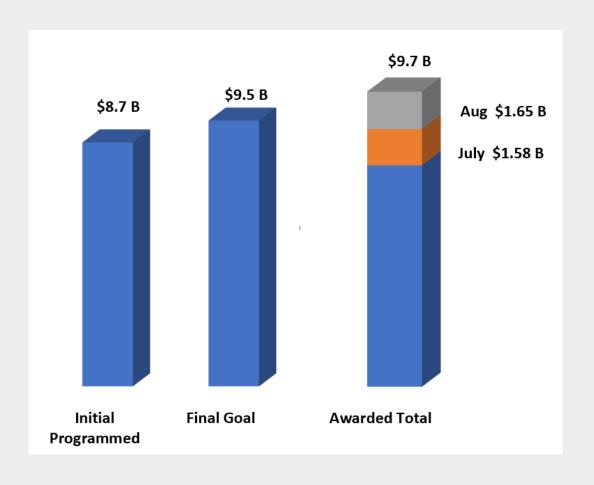
Presenter: David Ramirez, P.E.





David's career in transportation engineering has spanned over 9 years. As an EIT he worked in the Traffic Safety Division's Engineering Operations section where he oversaw the Truck Route and Restricted Left Lane review and processing for the state. David also spent a couple of years as a roadway design project manager for a private engineering consultant. Currently he is the Assistant Section Director for the Final PS&E Processing section of TxDOT's Design Division, where he has overseen the final review and processing of all Construction Management plans for statewide construction projects that require them and assists with the final review and processing of all PS&E for statewide construction contracts.







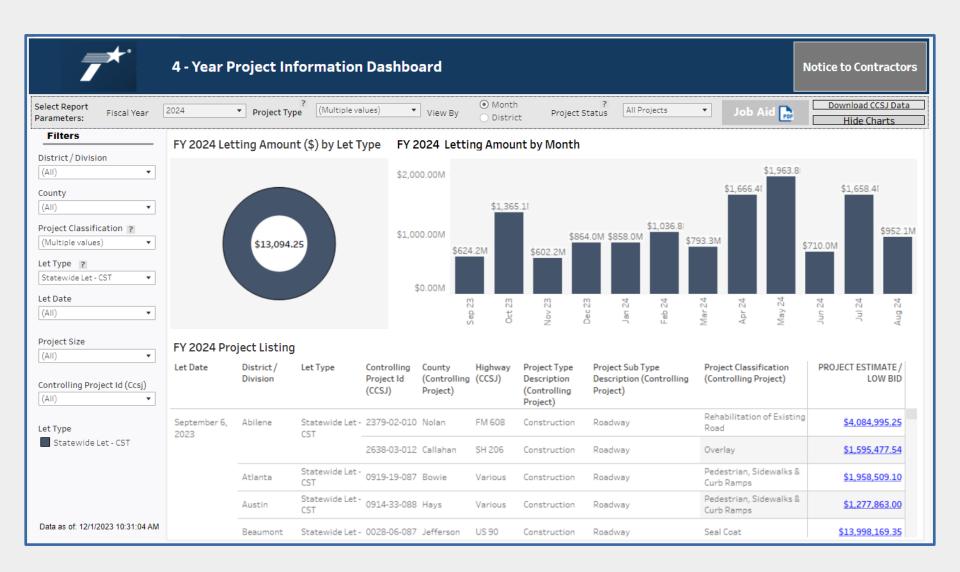


Statewide Construction Letting (Project Count)

Small Projects (< \$15M) 857 Medium Projects (\$15M - \$50M) 78 Large Projects (>\$50M) 34

Total 969









Statewide Construction Letting

Small Projects (< \$15M)	814
Medium Projects (\$15M - \$50M)	76
Large Projects (\$50M-\$150M)	19
Texas Size Projects (>\$150M)	18

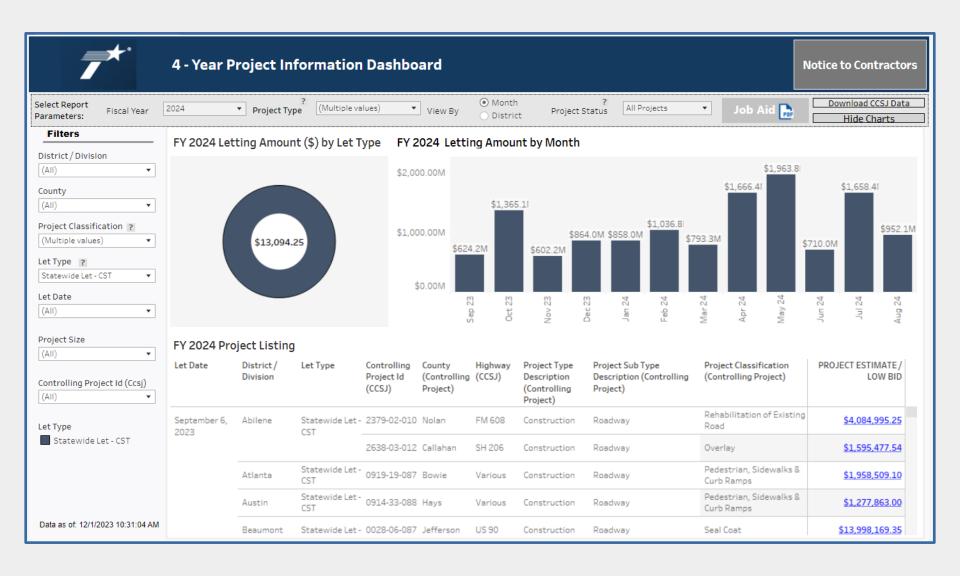
Total 927

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4-Year Project Information Dashboard

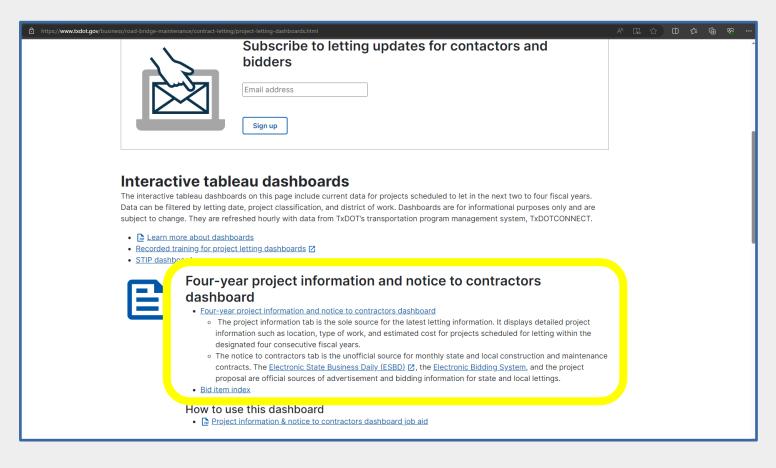






4-Year Project Information Dashboard





https://www.txdot.gov/business/road-bridge-maintenance/contract-letting/project-letting-dashboards.html



Final PS&E Processing Timeline



	FIN	District / DES	FIN	District / DES	District / DES	CIV	District / FIN	FIN / CIV	FIN	FIN	FIN / DES	District / DES	FIN
Letting Month	Post Candidate List of Projects for Letting	Confirm Candidate Projects Listing Draft Certs Due	Tentative Monthly Schedule Submitted for Approval	Final Construction Management Plans Due to DES	Final PS&E Due to DES	Begin DBE / SBE Goals Setting	DIST Report Perfomance End Dates FIN Reviews Perfomance End Dates	FPAA Submission Deadline ******* Finalized DBE / SBE Goals Set	Authorization Date (FPAA)		Proposal Release to CST	Last day before Addendum is considered late (ADN approval required after 5pm on this date)	Letting Dates
September	Mon Apr 24, 2023	Fri Apr 28, 2023	Mon May 15, 2023	Fri Jun 2, 2023	Fri Jul 7, 2023	Mon Jul 10, 2023	Tue Aug 1, 2023	Tue Aug 8, 2023	Fri Aug 11, 2023	Mon Aug 14, 2023	Tue Aug 15, 2023	Tue Aug 29, 2023	September 6 &
October	Tue May 30, 2023	Fri Jun 2, 2023	Tue Jun 20, 2023	Fri Jul 7, 2023	Fri Aug 4, 2023	Mon Aug 7, 2023	Tue Aug 29, 2023	Tue Sep 5, 2023	Fri Sep 8, 2023	Mon Sep 11, 2023	Wed Sep 13, 2023	Wed Sep 27, 2023	October 5 & 6
November	Mon Jul 3, 2023	Fri Jul 7, 2023	Mon Jul 24, 2023	Fri Aug 4, 2023	Fri Sep 1, 2023	Tue Sep 5, 2023	Fri Sep 15, 2023	Fri Sep 22, 2023	Wed Sep 27, 2023	Mon Oct 9, 2023	Tue Oct 10, 2023	Tue Oct 24, 2023	November 1 &
December	Mon Jul 31, 2023	Fri Aug 4, 2023	Mon Aug 21, 2023	Fri Sep 1, 2023	Fri Oct 6, 2023	Mon Oct 9, 2023	Tue Oct 31, 2023	Tue Nov 7, 2023	Fri Nov 10, 2023	Mon Nov 13, 2023	Mon Nov 13, 2023	Mon Nov 27, 2023	December 5 &
January	Mon Aug 28, 2023	Fri Sep 1, 2023	Mon Sep 18, 2023	Fri Oct 6, 2023	Fri Nov 3, 2023	Mon Nov 6, 2023	Tue Nov 28, 2023	Tue Dec 5, 2023	Fri Dec 8, 2023	Mon Dec 11, 2023	Wed Dec 13, 2023	Wed Dec 27, 2023	January 4 & 5
February	Mon Oct 2, 2023	Fri Oct 6, 2023	Mon Oct 23, 2023	Fri Nov 3, 2023	Fri Dec 1, 2023	Mon Dec 4, 2023	Wed Dec 27, 2023	Tue Jan 2, 2024	Fri Jan 5, 2024	Mon Jan 8, 2024	Wed Jan 10, 2024	Wed Jan 24, 2024	February 1 & 2
March	Mon Oct 30, 2023	Fri Nov 3, 2023	Mon Nov 20, 2023	Fri Dec 1, 2023	Fri Jan 5, 2024	Mon Jan 8, 2024	Tue Jan 30, 2024	Tue Feb 6, 2024	Fri Feb 9, 2024	Mon Feb 12, 2024	Mon Feb 12, 2024	Mon Feb 26, 2024	March 5 & 6
April	Mon Nov 27, 2023	Fri Dec 1, 2023	Fri Dec 15, 2023	Fri Jan 5, 2024	Fri Feb 2, 2024	Mon Feb 5, 2024	Tue Feb 27, 2024	Tue Mar 5, 2024	Fri Mar 8, 2024	Mon Mar 11, 2024	Wed Mar 13, 2024	Wed Mar 27, 2024	April 4 & 5
May	Fri Dec 29, 2023	Fri Jan 5, 2024	Mon Jan 22, 2024	Fri Feb 2, 2024	Fri Mar 1, 2024	Mon Mar 4, 2024	Tue Mar 26, 2024	Tue Apr 2, 2024	Fri Apr 5, 2024	Mon Apr 8, 2024	Wed Apr 10, 2024	Wed Apr 24, 2024	May 2 & 3
June	Mon Jan 29, 2024	Fri Feb 2, 2024	Tue Feb 20, 2024	Fri Mar 1, 2024	Fri Apr 5, 2024	Mon Apr 8, 2024	Tue Apr 30, 2024	Tue May 7, 2024	Fri May 10, 2024	Mon May 13, 2024	Tue May 14, 2024	Tue May 28, 2024	June 5 & 6
July	Mon Feb 26, 2024	Fri Mar 1, 2024	Mon Mar 18, 2024	Fri Apr 5, 2024	Fri May 10, 2024	Mon May 13, 2024	Tue Jun 4, 2024	Tue Jun 11, 2024	Fri Jun 14, 2024	Mon Jun 17, 2024	Mon Jun 17, 2024	Mon Jul 1, 2024	July 9 & 10
August	Mon Mar 25, 2024	Fri Apr 5, 2024	Mon Apr 15, 2024	Fri May 10, 2024	Fri May 31, 2024	Mon Jun 3, 2024	Fri Jun 21, 2024	Fri Jun 28, 2024	Fri Jul 5, 2024	Mon Jul 8, 2024	Wed Jul 10, 2024	Wed Jul 24, 2024	August 1 & 2

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Control: 0053-15-067 Highway: FM 608 County: Nolan

Right-of-Way Certification

This is to certify that acquisition of right-of-way was not required for this project.

Relocation Assistance Program Certification

This is to certify that this project did not cause any displacement and the steps relative to relocation advisory assistance and payments under the current FHWA directive(s) covering the administration of the Highway Relocation Assistance Program, were not required.

Encroachment Certification

This is to certify that no right-of-way encroachments existed within the limits of this project or all removal of encroachments has been completed.

Utility Certification

This is to certify that utility adjustments were not required or have been completed for this project.

Railroad Work

This is to certify that notification has been made to Texas & Oklahoma Railroad and concurrence has been received as of July 20, 2022.

Mile P

Date: 10/27/2022

Thomas G. Allbritton, P.E. District Engineer, Abilene District

On Time

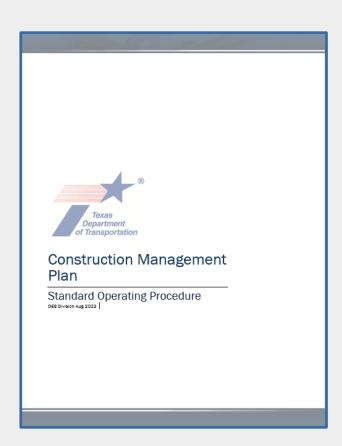
- Due 4 months before letting
- Submit to <u>DES_FPP_ePS&E@txdot.gov</u>

Complete

- Address all 5 Certifications
 - ROW
 - Relocations
 - Encroachments
 - UTL
 - RR
- Use conservative Dates
- Must reflect current status







On Time

- Due 3 months before letting
- Submit to <u>DES_FPP_ePS&E@txdot.gov</u>
- CC <u>David Ramirez</u> and <u>Max Proctor</u>

Complete

- CMPs should be final submittal not a draft
- Submission should include
 - Cover letter
 - Certifications
 - Construction Time Determination
 - TCP Phase Narrative
 - Layouts defining conflicts





REQUIRED SUBMITTAL DOCUMENTS: ☐ Form 1002 – latest version (http://txeform/eFormsWorkspace/), all sections filled in, Page 3 signed ☐ Certifications for Utilities, ROW, Encroachment, Relocation, and Railroad (all signed) ☐ 000 spec(s) approved and in speclist (if applicable) ☐ Engineer's Estimate – correct bid item quantities/prices, bridges, and force accounts (lump sum = 1) ☐ Engineer's Sign, Seal & Date Supplemental Sheet (now only needed if there is more than one sealing engineer – please submit a page for each sealing engineer) ☐ Construction Schedule – signed/dated, and includes correct start & finish dates ☐ Form 2229 Significant Project Procedures ☐ Form 2699 APSLD (for 4R/3R/HE/SA projects) ☐ As applicable: ☐ Value Engineering Study Form 2502 ☐ Interstate Highway Design Exceptions ☐ Mandatory Pre-Bidder Conference Approval Request through DES

On Time

- Due 2 months before letting
- Submit to <u>DES_FPP_ePS&E@txdot.gov</u>

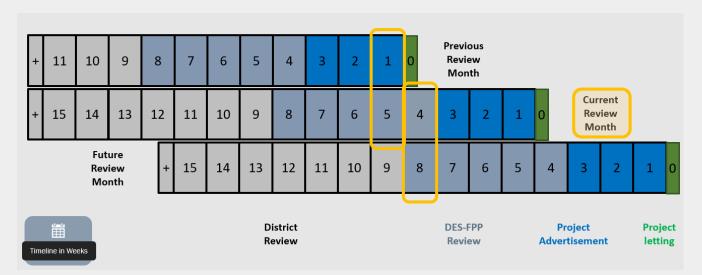
Complete

- PS&E Package should include
 - Form 1002
 - Plans
 - Estimate
 - Certifications
 - Spec List
 - Construction Time Determination
 - Form 2229
 - Form 2699 (when required)
 - Sealed in TxC
 - General Notes
 - Proposal

Plan/Proposal Release



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On Time

 3-5 day response time for review comments

Complete

• Address all comments

Plan Release begins in week five.

Proposal release begins in week four.





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On Time

- Must be posted before 5:00pm the day before letting
- Submit to: <u>cst_addendum@txdot.gov</u>
 <u>des_addendum@txdot.gov</u>
- All late addenda will be done "at risk" of not being able to be published.

Complete

- Addendum request must include
 - Request Form
 - Estimate Change Log
 - Addendum Letter
 - Information Sheet
 - Revised Plan Sheets
 - District Engineer Approval



A Construction Management Plan (CMP) is an executive summary of the steps that will be shown in the plans to complete the project. The plan must clearly demonstrate any areas that will not be available to the contractor for work during the associated construction phase. In addition, the plan must also show a clear path of construction activities available to the contractor in each phase. This clear path must provide ample work without burdening the contractor with illogical work sequences or excessive short-term mobilizations. This clear path must also demonstrate how it mitigates the risk of delays in construction due to unclear project certifications including right-of-way (ROW) acquisition, ROW encroachments, ROW relocation, utility conflicts, and/or outstanding railroad agreements.



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23 CFR section 635.309(b)

'PS&E packages for projects using federal highway program funds must have a utility agreement or statement verifying the appropriate coordination with all utilities on the project occurred prior to FHWA construction authorization. Each agreement or statement should specify that the utility use and occupancy of the right-of-way or any required utility work will be completed prior to the highway construction, or there were conditions specified allowing for the utility work to be coordinated with and completed in coordination with the highway construction schedule.'



Why do we need Construction Management Plans?



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To:

MEMO March 7, 2016

District Engineers

William L. Hale, P.E. / While Engineer From:

Subject: Ready to Let (RTL) Definition for Construction Projects

As we continue transitioning toward effectively managing each project, it is important to again emphasize that our ultimate goal is to deliver and complete transportation improvements for the people of Texas in the most efficient and expeditious manner possible. The portfolio funnel, dashboards, and tools are now in place and being utilized by all district offices. Each of you had the opportunity to recently participate in open discussions with your staff, division/district offices, and the Administration, in order to gauge and better understand this new project development

The process being implemented with renewed emphasis on portfolio and project management, resource and budget needs will assist in building the department's Legislative Appropriations Request (LAR) for the next biennium ensuring our ability to execute and deliver. Equally important, we will be better informed on the status of our projects through this process to help us identify project needs such as right of way acquisition, utility adjustments, PS&E, schematic design, environmental and railroad coordination. Ultimately, we should be able to make better decisions in scheduling projects for letting that meet our 'Ready to Let' definition.

Delivering transportation improvements drives our business and will continue to be measured. It is essential that our performance standard for 'ready to let' projects be elevated and defined to ensure consistency in project letting preparation to meet our goal. Therefore, through detailed workshops attended by district and division offices the 'Ready to Let' definition as outlined below was developed and will be implemented on all construction projects effective immediately.

- ENV cleared and ENV mitigation complete (cleared sufficiently to proceed into construction without delays)
- ENV permits secured (cleared sufficiently to proceed into construction without delays)
- > ROW cleared (cleared sufficiently to proceed into construction without delays)
- 100% PS&E (includes completed and approved schematic)
- Project agreements in place (includes local funding being received or an amount sufficiently received to proceed into construction without delays)
- > Railroad coordination complete and agreement in place
- > Utility agreements in place and relocations in progress (cleared sufficiently to proceed into construction without delays)
- > The above and any other remaining issues to be cleared in < 3 months

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Definition of Ready to Let (Bill Hale memo, March 2016):

- ROW acquired
- Utility conflicts cleared
- Railroad coordination completed
- All of the above completed by the beginning of the 3rd month after letting

Goal is for all projects to be clear at the time of letting

- Will all conflicts be clear within the first 3 months?
 - Have a plan
- Will conflicts clear after the first 3 months?
 - CMP required

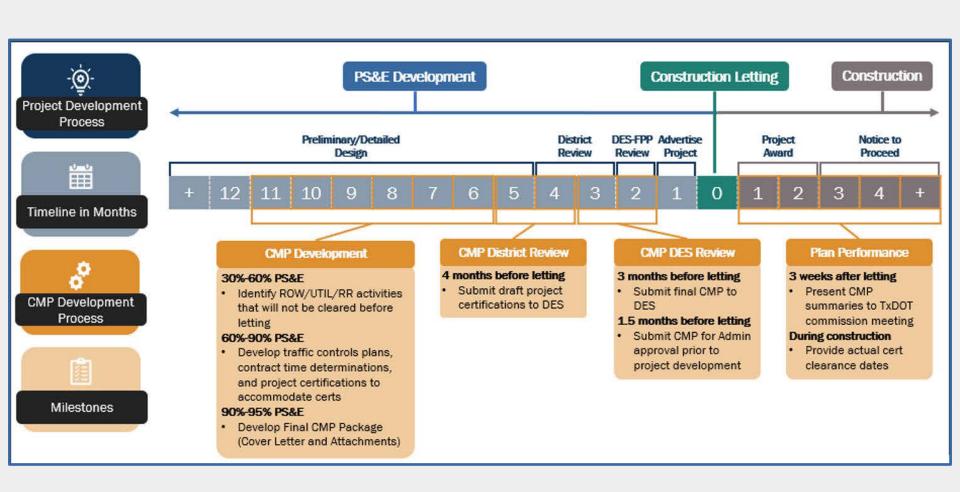
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Construction Management Plan Development & Submittal Timeline



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Appendix A

MEMO Month Day, 20XX

To: Marisabel Ramthun, P.E. Director, Design Division

Through: Max Proctor, P.E.

Director, Final PS&E Processing Section

From: Name, P.E. District Name

District Director of Transportation Planning & Development (or other)

Subject: Construction Management Plan CSJ XXX-XX-XXXX

<<<u>Paragraph 1 - General Project Info>></u> Attached for review and approval is the Construction Management Plan (CMP) for the **District Name** District project CSJ XXXXXXXXXX in County Name County.

<< Paragraph 2 - With Delayed Start</p>
The project is for the (Contract Type of Work), consisting of (Specific Categories of Work). The total length of the project is approximately XX miles. With a XX-day delay start for (Reason for Delayed Start), work is scheduled to begin Month Day, 20XX and end Month Day, 20XX. The estimated construction cost is \$XXM.

<< Paragraph 2 — Without Delayed Start</p>
> The project is for the (Contract Type of Work), consisting of (Specific Categories of Work). The total length of the project is approximately XX miles. There is no delay start provision in the project, with work scheduled to begin Month XX, 20XX and end Month Day, 20XX. The estimated construction cost is \$XXM.

<< <u>Paragraph 3 - No Outstanding ROW</u>>> No ROW is required, or all parcels have been acquired for this project.

<< Paragraph 3 - ROW Conflicts Clearing after Letting>>

There are X outstanding parcels of ROW to be acquired (Specify whether TxDOT, LG, etc.).

- X parcels are scheduled to be acquired by MM/DD/YYYY, providing at least a X month buffer before the expected start of construction.
- X parcels affect Phase X Step X, which is scheduled to start MM/DD/YYYY. They are anticipated to be acquired by MM/DD/YYYY, providing a X to X month buffer.

<< Paragraph 4 - No Outstanding Utilities >> There are no outstanding utility conflicts.

<< Paragraph 4 - Utility Conflicts Clearing after Letting>>

OUR VALUES: People - Accountability - Trust - Honest

OUR MISSION: Through collaboration and leadership, we deliver a safe, reliable, and integrated transportation system that enables the movement of people and goods.

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CMP Request Memo

Cover letter for the Construction Management Plan

- Description of the project and overall scope of work
- Summarizes outstanding ROW, Utilities, or Railroad agreements
- Request for approval of plan
- Signed by District Engineer or District
 TP&D



CMP Utility Certification Tables



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Utility Certification

This is to certify that all utilities have been adjusted in accordance with the appropriate directives covering the adjustment of utilities, except those utility(ies) listed below which will be adjusted in accordance with the appropriate directives.

OWNER Kinder Morgan	UTILITY AND LOCATION 10" crude oil pipeline crossing at STA 1862+16	EXPECTED DATE OF COMPLETION OF ADJUST. 10/31/2024 utility to coordinate construction of second phase of air bridge with roadway
Kinder Morgan	30" natural gas pipeline	construction & TCP phasing 06/15/2023
Plains Pipeline	crossing at STA 1860+00 16" oil pipeline skewed crossing STA 1703+19 to 1704+21	08/15/2023 if pipeline needs to condemn landowner. Otherwise 03/01/2023, if no condemnation
AT&T	Various fiber optics and telephon longitudinal STA 1654+50 to 203	needed. se 07/31/2023
Please	crossing STA 1911+00; crossing crossing 2034+00 use the table for unclear utilities	,

provided in the link below.

https://ftp.txdot.gov/pub/txdot/des/pse/prep

aration/utilities-unclear-cert-for-cmp.docx

			rom schedule egins 3/12/25					
Phase	Utility Description	Owner	Conflict NO.	Status	Estimated Completion Date	Phase Start Date	Critical Completion Date	Effect on Construction
2	Fiber Optic Lines buried and overhead in various locations along US 69	Frontier	125, 138, 178,	Lines to be relocated	10/31/2023	3/31/2025 3 mont	12/31/2024 h buffer	Fiber Optics lines to be relocated by 10/31/2023 (14 Month Buffer)
2	Fiber Optic Lines buried and overhead in various locations along US 69	Windstream	118, 126, 139, 140, 175, 178	Lines to be relocated	12/31/2023	3/31/2025 3 mont	12/31/2024 h buffer	Fiber Optics lines to be relocated by 12/31/2024 (12 Month Buffer)
2	CTV Lines buried and overhead in various locations along US 69	SuddenLink	115, 123, 124, 133, 156,	Lines to be relocated	12/31/2023	3/31/2025 3 mont	12/31/2024 h buffer	Fiber Optics lines to be relocated (12 Month Buffer)

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Clearance Dates, Affected Phases, Affected Phases Start Date (or Critical

Date in that phase that would cause a

work stoppage), and Amount of Buffer.

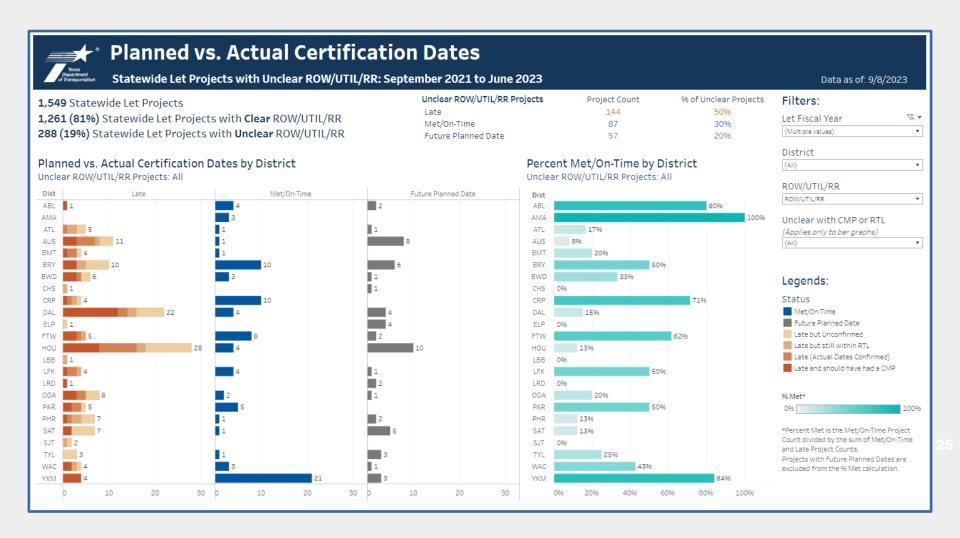


Tableau Dashboard Link

Good examples of CMP Certification Tables



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Right-of-Way Status

This is to certify that all of the right-of-way has been acquired in accordance with the current FHWA directive(s) covering the acquisition of real property, except those parcel(s) listed below which will be acquired in accordance with the FHWA directive(s).

PARCEL NO.	OWNER	DESCRIPTIO N	STATUS	EST. CLEAR DATE	PHASE IMPACTED	PHASE START DATE	EFFECT ON CONSTRUCTION
P00056408	BENJAMIN ROWE BYERS	STA 108+12 to STA 117+32 SB Side	In Progress	09/02/2023	PHASE 0	Const. phase start 11/1/2023 Utility Reloc. Start 09/05/2023	(2 month const Buffer). (3-day utility relocation buffer) Lumen & AT&T to begin relocation immediately after ROW acquisition
P00056409	FOSTER LEGACY, LLC	STA 109+36 to STA 123+02 NB Side	In Progress	09/02/2023	PHASE 0	Const. phase start 11/1/2023 Utility Reloc. Start 09/05/2023	(2 month const Buffer). (3-day utility relocation buffer) Lumen & AT&T to begin relocation immediately after ROW acquisition
P00056410.001	SHUMAKER ENTERPRISE S, INC	STA 117+32 to STA 143+87 SB Side	In Progress	09/02/2023	PHASE 0	Const. phase start 11/1/2023 Utility Reloc. Start 09/05/2023	(2 month const Buffer). (3-day utility relocation buffer) Lumen & AT&T to begin relocation immediately after ROW acquisition
P00056411	WALKER AERO CAPITAL LLC	STA 143+87 to STA 164+34 SB Side	In Progress	09/02/2023	PHASE 0	Const. phase start 11/1/2023 Utility Reloc. Start 09/05/2023	(2 month const Buffer). (3-day utility relocation buffer) Lumen & AT&T to begin relocation immediately after ROW acquisition
P00056410.002	SHUMAKER ENTERPRISE S, INC	STA 164+34 to STA 205+88 SB Side	In Progress	09/02/2023	PHASE 0	Const. phase start 11/1/2023 Utility Reloc. Start 09/05/2023	(2 month const Buffer). (3-day utility relocation buffer) Lumen & AT&T to begin relocation immediately after ROW acquisition
P0005612	THE LBJ COMPA NY	STA 195+78 to STA 196+48 SB Side	In Progress	09/02/2023	PHASE 0	Const. phase start 11/1/2023 Utility Reloc. Start 09/05/2023	(2 month const Buffer). (3-day utility relocation buffer) Lumen & AT&T to begin relocation immediately after ROW acquisition
P00056413	COLORADO RIVER PROJECT, LLC	STA 206+34 to STA 242+36 SB Side	In Progress	09/02/2023	PHASE 0	Const. phase start 11//1/2023	(2 month const Buffer).

Utility Status

This is to certify that all utilities have been adjusted in accordance with the appropriate directives covering the adjustment of utilities, except those utility(ies) listed below which will be adjusted in accordance with the appropriate directives.

PHASE	UTILITY AND LOC.	OWNER	Conflict #	STATUS	EST. COMPL. DATE	PHASE START DATE	EFFECT ON CONSTRUCTION
Phase 1A	12" Sewer 210+28 RT	AWU Wastewater	25	Reloc. to begin by 09/05/2023	10/05/2023	7/4/2024	Spot conflict with Tesla Drainage connection. Longitudinally under proposed pavement. (9-month buffer)
Phase 1A	OH Electric 131+17 Crossing	Austin Energy	16	Reloc. to begin by 09/05/2023	12/05/2023	7/4/2024	Pole at Sta. 131+15 RT in conflict with proposed pavement. Pole and meter at Sta.130+70. To be clear prior to start of phase (7 Month Buffer)
Phase 1A	OH Electric 146+19 Crossing	Austin Energy	17	Reloc. to begin by 09/05/2023	12/05/2023	7/4/2024	Pole at Sta. 146+19 RT in conflict with proposed pavement. To be clear prior to start of phase. (7 Month Buffer)
Phase 1A	OH Electric 148+96 Crossing	Austin Energy	18	Reloc. to begin by 09/05/2023	12/05/2023	7/4/2024	Pole at Sta. 148+90 RT in conflict with proposed pavement. To be clear prior to start of phase. (7 Month Buffer)
Phase 1A	OH Electric 164+12 Crossing	Austin Energy	19	Reloc. to begin by 09/05/2023	12/05/2023	7/4/2024	Pole at Sta. 164+12 RT in conflict with proposed pavement. To be relocated before start of phase. (7 Month Buffer)

Summary



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Texas has Texas sized letting goals

Have a good plan for every project

Certify more realistic clearance dates for unclear ROW/UTL/RR

DES-FPP staff is available for support.



Questions

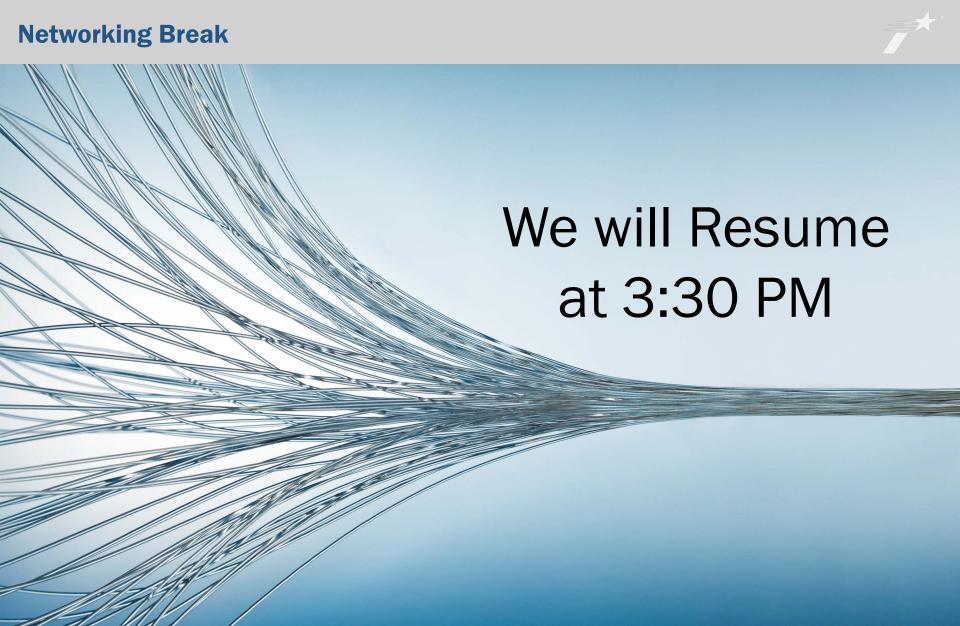




Thank You!

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