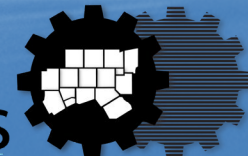
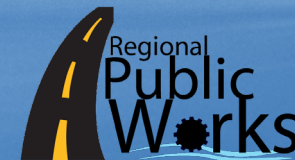


Public Works Council Meeting

May 16, 2024



North Central Texas
Council of Governments
Environment & Development

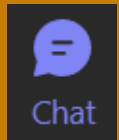
1. Welcome, Introductions, & Roll Call

The meeting agenda, presentation, and any handouts are located on the Public Works Council webpage:

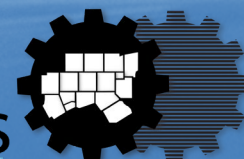
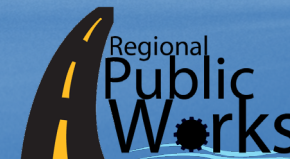
<https://www.nctcog.org/envir/committees/public-works-council>



Please mute your line

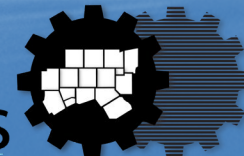
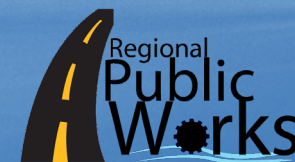


Please use the chat function to add your name and organization for attendance



North Central Texas
Council of Governments
Environment & Development

Action Items

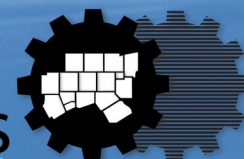
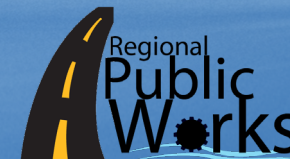


**North Central Texas
Council of Governments**
Environment & Development

2. Meeting Summary

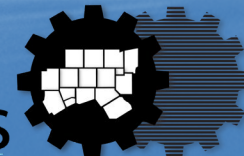
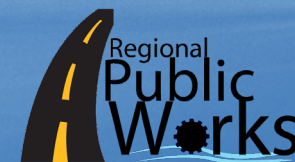
The February 15, 2024 meeting summary is available for review: https://www.nctcog.org/getattachment/8a0f0bb0-e575-40fd-867c-8275c64df25b/PWC_DraftMeetingSummary_2024_02-15_v2_wAttendance.pdf?lang=en-US&ext=.pdf

The Public Works Council will vote to approve the summary



North Central Texas
Council of Governments
Environment & Development

Discussion Items



North Central Texas
Council of Governments
Environment & Development

3. UTA Public Works Recruitment and Retention Plan

Presented by:

UTA Faculty Advisor – Dr. Kevin Carr

UTA Students – Kylie Sosa, Daniela Pedraja, Tiffany Melkoski, and Madison Dalton





Urban Resilience Fellowship

UTA CAMPAIGN PRESENTATION



North Central Texas
Council of Governments

The Team



Kevin Carr, PhD
Clinical Assistant Professor
University of Texas at Arlington



Madison Dalton
Management



Tiffany Melkoski
Management / Marketing



Daniela Pedraja
Economics



Kylie Sosa
Communications

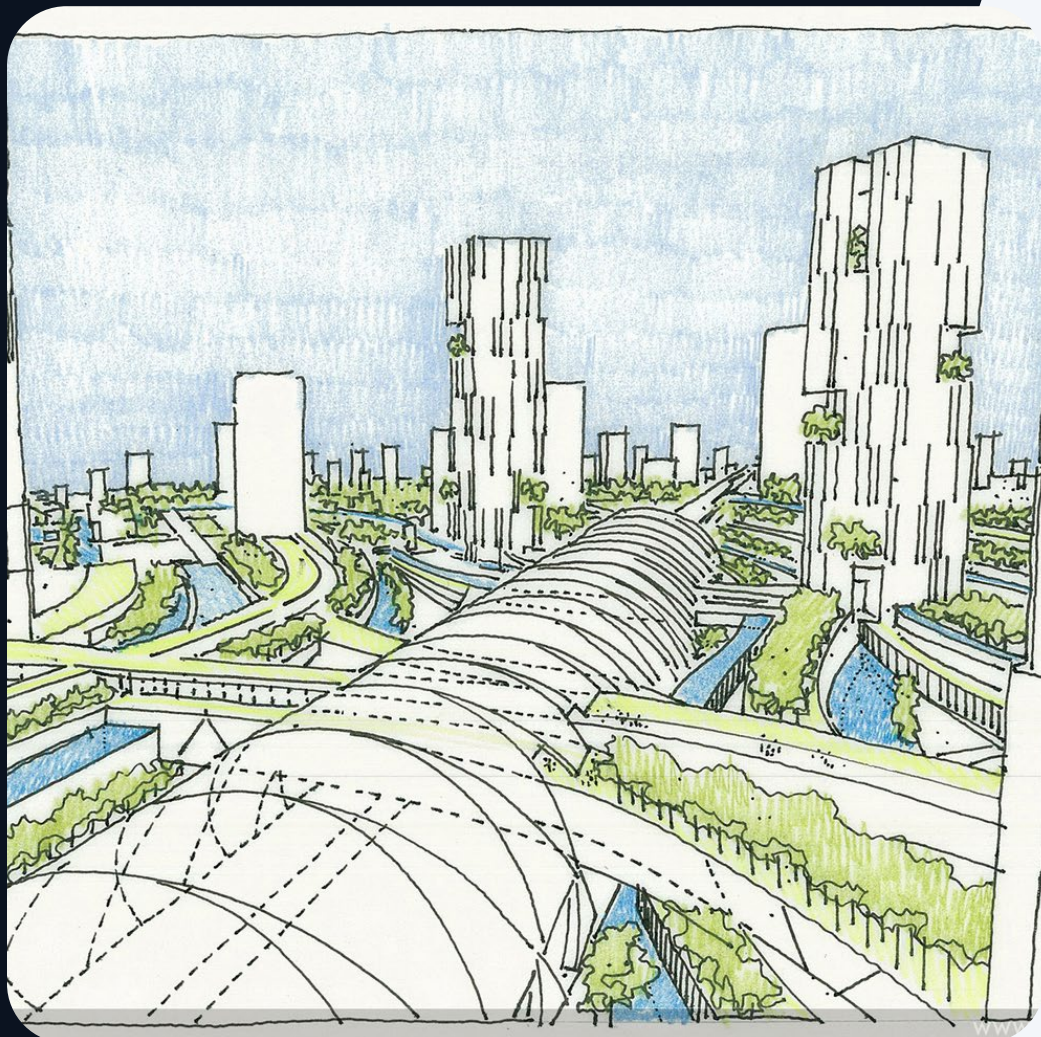
Scope of Work



UNIVERSITY OF
TEXAS
ARLINGTON

Develop an innovative outreach strategy for recruitment focused on reaching the next generation to address current and future workforce gaps in technical and field positions within public works. Design outreach with a sustainable marketing campaign to raise awareness about public works careers among students at high schools, technical colleges, and community colleges. Alongside traditional marketing best practices, students will consider incorporating user experience, user interface, video, virtual reality, augmented reality, marketing, and/or technology for effective outreach and high engagement with potential candidates interested in these fields of work.





Agenda

- Our Team
- Scope of Work
- Survey
- Paper Campaign
- Commercial Campaign
- Virtual Reality
- Q & A

Student Survey

Upon receiving feedback from the high school students, we can:

- Better understand our target demographic.
- Analyze survey results to understand trends.
- Create engaging content on students' preferred social media platform(s).
- Publicize benefits of these careers with topics that most engage and attract students.

What are your top 3 requirements for employment? *

Your answer

Has your school provided information about possible career opportunities in public works? *

☐ yes

☐ no

Are you aware of Public Work opportunities? *

☐ yes

☐ no



How will we keep the students engaged?



Print Ad Campaign

- QR Code
- Printed pamphlets highlighting career opportunities and standout employees
- Super Bowl ad



Hear Their Stories



[Insert Name Here]
started off with a career in
water maintenance. He
was able to climb up the
ranks and find a career in
management while
serving on the North
Central Texas Council of
Governments!

Join Public Works Today!

Field Availabilities

Engineering
Street
Transportation
Internships
Workforce
Development
Electrical
Water Maintenance
Project Management
Public Works



**North Central Texas
Council of Governments**



- Fully customizable to each city based on need by adding or taking out segments
- Can be done as an “musketeer” or individual campaign
 - If done together can share the expenses

Ad Campaign















ONE WAY

B103 LIMITED

028

581



581









Our Community, Our Work

Become a partner in your community today, ask us how!





360 Immersive Virtual Reality



Questions?

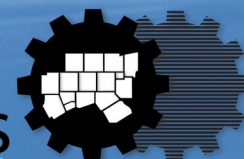
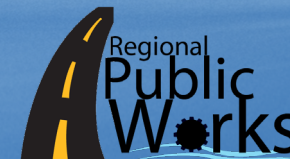
Thank you for the opportunity to serve.



4. Bridge Asset Condition Improvement through Logical and Cost-Effective Intervention

Presented by:

Dr. Nur Yazdani, Professor, Department of Civil Engineering, UTA



North Central Texas
Council of Governments
Environment & Development

NCTCOG Bridge Asset Condition Maintenance and Improvement through Logical and Cost-Effective Intervention

Public Works Meeting: May 16, 2024

Nur Yazdani, Ph.D. P.E.

Professor, Department of Civil Engineering

Naima Zenika

Graduate Assistant, Department of Civil Engineering



UNIVERSITY OF
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ARLINGTON



North Central Texas
Council of Governments

Outline

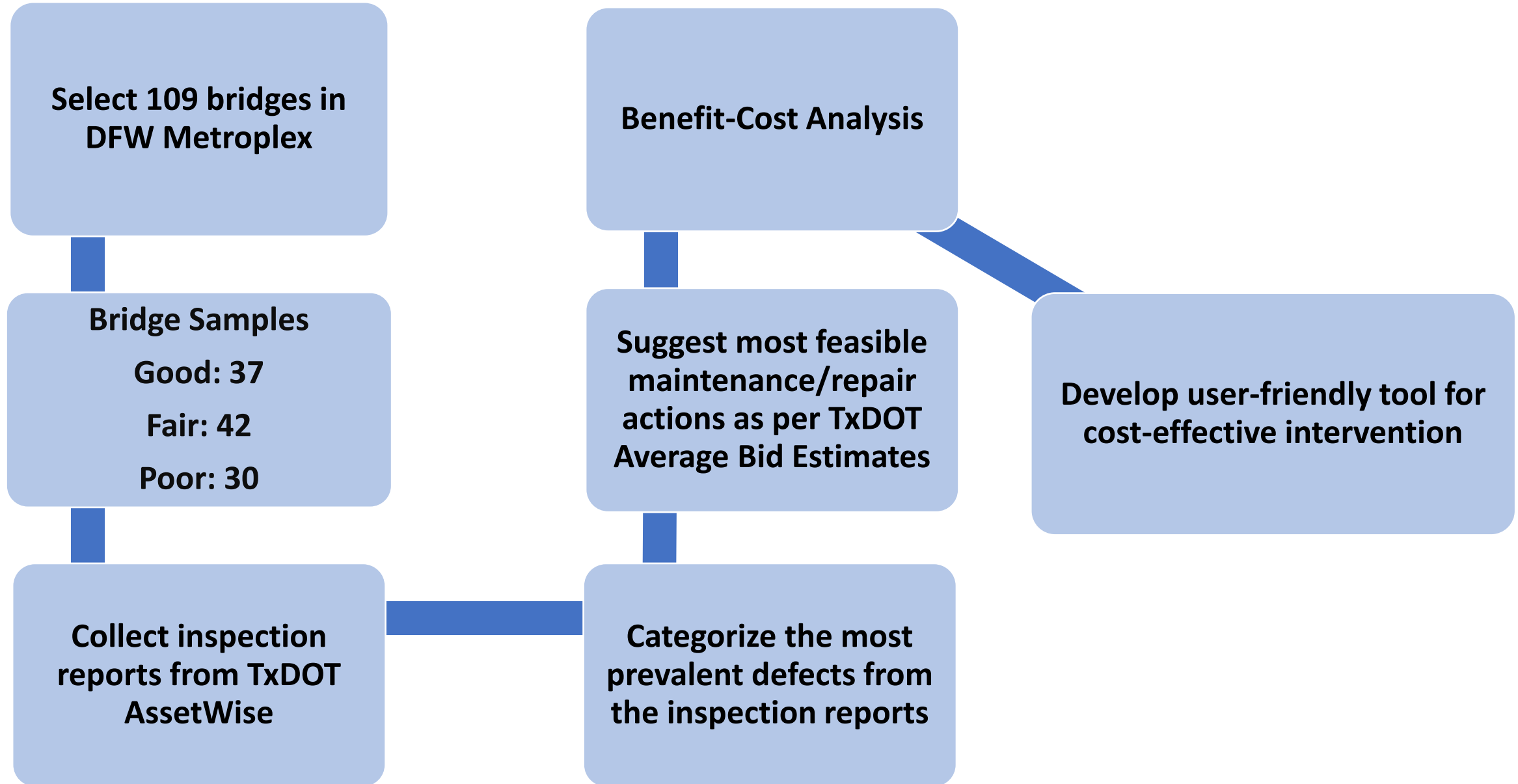
- Project Tasks
- Prevalent Defects in “Fair” Bridges
- Prevalent Defects in “Poor” Bridges
- Maintenance Actions for Repair
- Cost Analysis
- Benefit-Cost Analysis Tool

Good: NBI rating 7-9

Fair: NBI rating 5-6

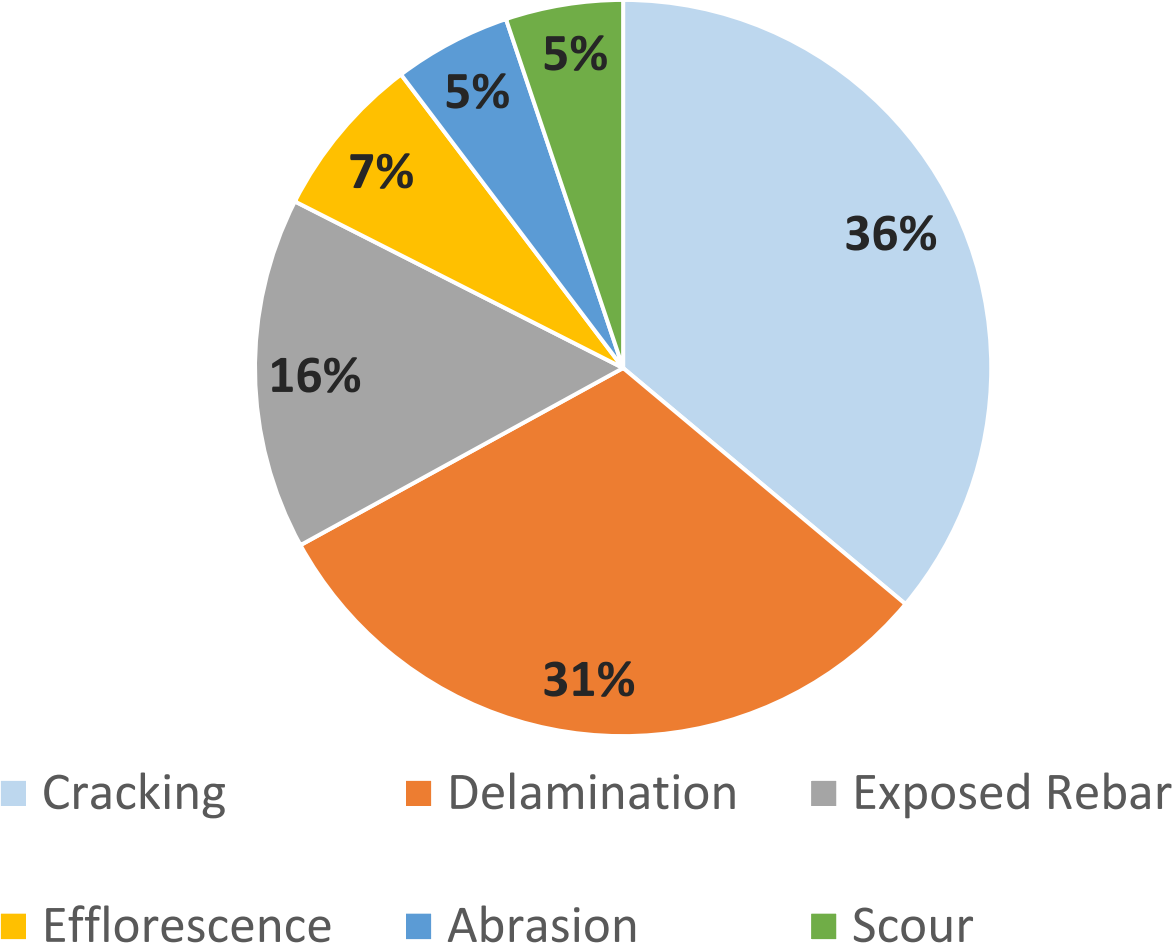
Poor: NBI rating 1-4

Project Task Flowchart

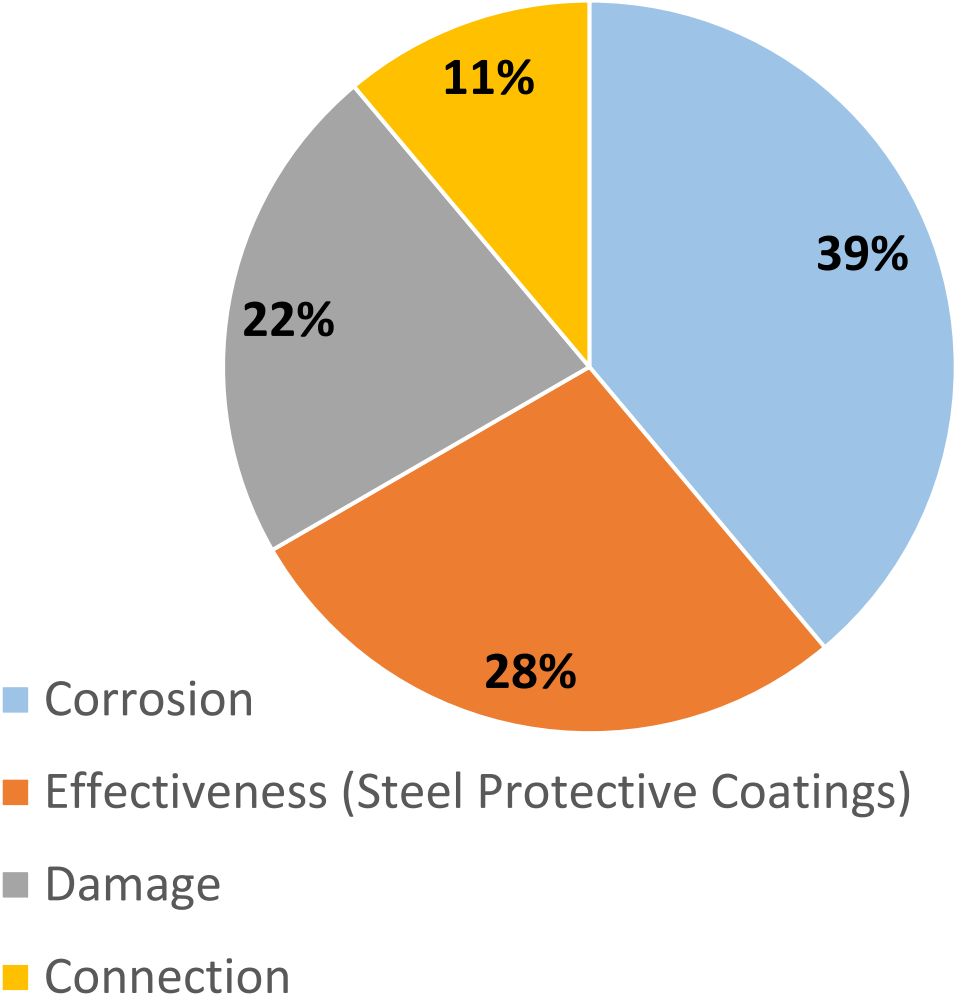


Defects in Fair Bridges (AASHTO Bridge Element Inspection Manual)

Concrete Elements

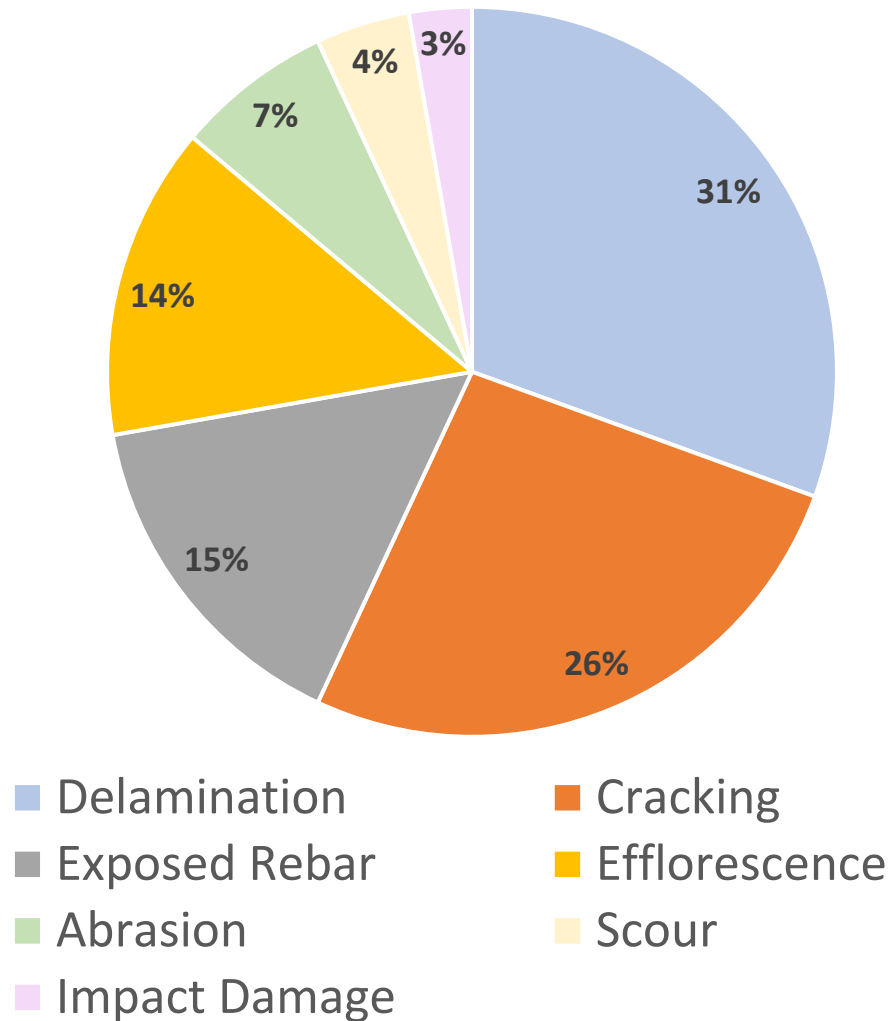


Steel Elements

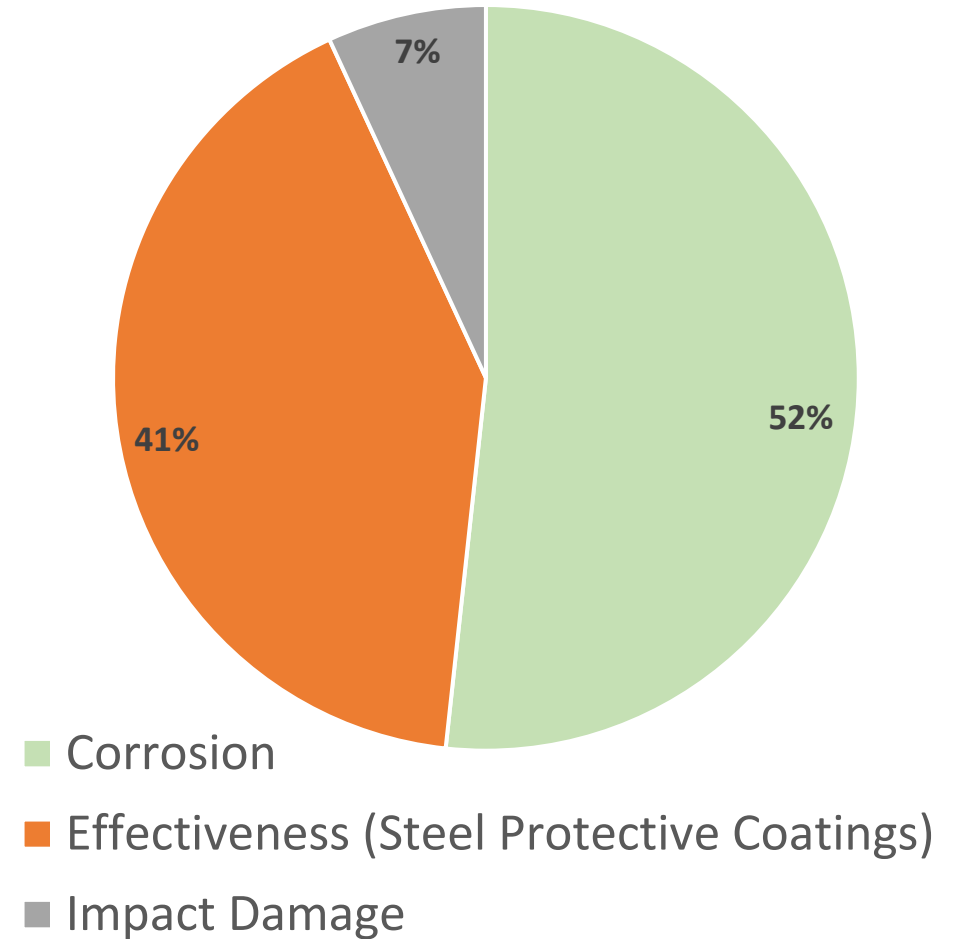


Defects in Poor Bridges

Concrete Elements



Steel Elements



Defects from Inspection Reports



Cracks



Delamination



Abrasion



Exposed Rebar



Cracking of a Fair Bridge Deck

Bridge ID: 180570000911196

- 2017 inspection report
 - Deck riding surface had cracks (~1/4" wide) along repairs.
 - Several cracks in deck soffit.
 - Deck component rating Poor.
- 2020 inspection report
 - Deck rating was still 4.
 - Had minor to moderate transverse and block cracking.
 - Most extensive in spans 5 and 6: some cracks spaced as close as 12 in.
 - Recommendation: replace deck.



Average Low Bid Unit Price for Cracking

Condition state	Defects	From TxDOT Concrete Repair Manual	Feasible Intervention From TxDOT	Bid Item No	From TxDOT Average Low Bid Estimates	Units	Avg. Bid Price \$
1	Cracking	Insignificant crack	Rout And Seal	7806004	Concrete crack repair(discrete, rout and seal methods)	LF	99
2	Cracking	Insignificant crack	Surface Seal	7806010	Concrete crack repair (discrete, surface seal methods)	LF	118
3	Cracking	Unsealed crack	Epoxy Injection	7806002	Concrete crack repair (discrete, inject methods)	LF	131
4	Cracking	Moderate Cracking	Gravity Fed Sealant	7806001	Concrete crack repair (discrete, gravity methods)	LF	52

Source: *Workbook: Bid Item Average Cost*,
tableau.txdot.gov/views/BidItemAverageCost/BidItemAvgCostDashboard?%3Aembed=y&%3AisGuestRedirectFromVizportal=y&%3Aorigin=card_share_link.

Example: Cost of Intervention for Cracking

Bridge ID :091-022200017105017 (Fair)

	Total Quantity	Units	CS1	CS2	CS3	CS4
Reinforced Concrete Abutment	106	ft.	96	10	0	0
Delamination/Spall/Patched Area	2		0	2	0	0
Cracking (RC and Other)	8		0	8	0	0

Cost for feasible solution to fix cracking (per Linear Foot)

Condition State	Defects	Feasible Intervention from TxDOT	Item No	Description	Units	Avg. Bid (\$)
2	Cracking	Epoxy Injection	7806002	Concrete Crack repair (Discrete, Inject methods)	LF	131.67

Total cost to fix cracking= \$131.67 x 8 = \$ 1053

Benefit-Cost Analysis Tool (Benefits: Travel time saving, vehicle operating cost, environmental benefit, safety)

Benefit Cost Ratio Application

Homepage Final Result Data Loader

HomePage Area

Input Bridge ID

Generate Unique Calculation

Copy UUID

Copy Bridge ID

Verify Records

Benefit Cost Ratio Application

Homepage Final Result Data Loader Deck Steel SubStructure SuperStructure

Bridge Info Area

UUID b5fab4df-b9db-46e9-b611-2e85764b1a55

BridgeID Sample Bridge ID - 1011

Actions Area

Add Row

Message

Successfully stored the Bridge ID: Sample Bridge ID - 1011 and UUID: b5fab4df-b9db-46e9-b611-2e85764b1a55

OK

Final Cost Area

Calculate Final Store To DB

Reset

Benefit-Cost Analysis Tool

Benefit Cost Ratio Application

Homepage Final Result Data Loader Deck Steel SubStructure SuperStructure

HomePage Area

Input Bridge ID

Sample Bridge ID - 1011

Generate Unique Calculation

Copy UUID

Copy Bridge ID

Verify Records

Message

UUID copied to clipboard.

OK

Benefit Cost Ratio Application

Homepage Final Result Data Loader Deck Steel SubStructure SuperStructure

Truncate Table

Upload Excel File

Browse Excel File

Upload and Parse

Success

Table 'BidItemPriceTxDot' truncated successfully.

OK

Element Inspection Data Input

Benefit Cost Ratio Application

HomepageFinal ResultData LoaderDeckSteelSubStructureSuperStructure

Bridge Info Area

UUIDb5fab4df-b9db-46e9-b611-2e85764b1a55

BridgeIDSample Bridge ID - 1011

Actions Area

Add Row

Bridge Information

Bridge IDSample Bridge ID - 101

Calculation UUIDb5fab4df-b9db-46e9-b

Element Num13

Element Type13-Prestressed Concret

Defect NameCracking* (1130)

Total Quantity11

UnitsSF

Condition State 1

BidItem780-6006

InterventionDescriptionCNC CRACK REPAIR (F

UnitOfMeasureSF

UnitPrice15.8

Quantity11

Calculate

\$ 173.80

Condition State 2

BidItem780-6007

InterventionDescriptionCNC CRACK REPAIR (F

UnitOfMeasureSF

UnitPrice2.5

Quantity11

Calculate

\$ 27.50

Condition State 3

BidItem429-6003

InterventionDescriptionCONC STR REPAIR(DEC

UnitOfMeasureSF

UnitPrice328.43

Quantity11

Calculate

\$ 3612.73

Condition State 4

BidItem429-6005

InterventionDescriptionCONC STR REPAIR(DEC

UnitOfMeasureSF

UnitPrice289.79

Quantity11

Calculate

\$ 3187.69

Actions

Calculate

Cost Information

Total Row Cost

\$ 7001.72

Success

i

Deck Final Cost stored to DB!

OK

Final Cost Area

Calculate Final

Final Cost: \$ 7001.72

Store To DB

Reset

Final Cost Calculation Tab

Benefit Cost Ratio Application

HomepageFinal ResultData LoaderDeckSteelSubStructureSuperStructure

UUID Area

UUID

e9-b611-2e85764b1a55

Retrieve Final Cost

Final Costs Area

Bridge ID	Elements	Final Cost	Total Maintenance Cost
	Deck	\$7,001.72	\$7,001.72
	Superstructure	\$0.00	
	Steel	\$0.00	
	Substructure	\$0.00	

Calculate Total

Detailed Information

Bridge ID*	Sample Bridge ID - 101	ADT*	21	Detour Length (mi)*	11
ADT_TRK*	12	ADT w/o TRK	\$9.00	Personal purpose ADT	\$7.94
Business purpose ADT	\$1.06	\$ Value of Travel Time Saving (VTTS)/Day	\$98.37	Vehicle operating cost/ Day	\$178.86
Emission Costs	\$7.76	Total benefit/day	\$284.99	Total benefit/ year	\$101456.30
Maintenance cost	7001.72	BCR	14.49	Calculate BCR	

Repopulate

Clear All Fields

Calculate Fields

Project Extension Ideas

Frequency of Preventative Maintenance

- Develop a preventive maintenance schedule based on the predictive models.
- Recommendations for types and scheduling of periodic inspections, maintenance, and assessment to prevent or delay the progression of defects.

Implementation of social/environmental justice as a benefit

- Consider environmental justice in the decision process, minimize displacing marginalized communities, address pollution disparities, and encourage community engagement.

Project Extension Ideas

Priority setting of bridges for rehabilitation

- Develop a prioritization framework considering the vulnerability of each bridge to climate-triggered extreme events, the consequences of failure, and the importance in the transportation network.

Comprehensive defect list and intervention strategies

- Compile a comprehensive list of common bridge defects based on historical data and expert knowledge.
- Identify effective intervention strategies for each type of defect, including repair methods and preventive measures.

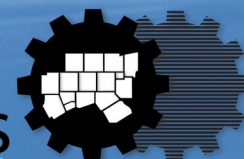
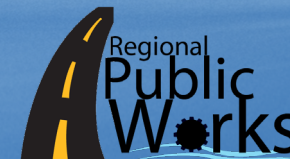


THANK YOU

5. Promotion of TXShare's Pavement Analysis Contract

Presented by:

Diane Palmer-Boeck, NCTCOG's TXShare



North Central Texas
Council of Governments
Environment & Development



The TXShare Cooperative Purchasing Program is the direct outcome of municipal governments partnering together to identify common needs for public entities across and beyond the state of Texas.

No longer must you shop cooperative programs and hope that you'll find a suitable solution to your purchasing needs, come to TXShare and let us build it, instead!

Various TXShare Opportunities

- Pavement Analysis Services
- Regional Early Flood Warning and Detection
- Water Utility Materials and Parts

SURVEY

- Street (Concrete/Asphalt) and Sidewalk Repairs
- Pump & Motor Maintenance
- Street Striping
- Street Panel Lifting
- Street Crack Sealing

- **Article Collaboration**
 - **TML: TXShare Leads Infrastructure Enhancement with Awarded Pavement Analysis Contracts**
- Joint Training and Workshops
 - Newly Awarded Contracts
 - Potential RFP's
 - Roundtable Discussions
- Shared Resources Platform
 - Potential Marketplace to your contracting needs
- Innovation Labs
 - Through research and possible RFI's
 - Provide an environment to learn/experiment with new and emerging technologies

6. Regional Public Works Draft FY25 Work Program

Draft FY25 Work Program

Continuation of:

- General regional public works activities
- Public Works Construction Standards
- Sustainable Public Rights of Way
- integrated Stormwater Management program
- Hydrologic and flooding technical assistance
- Regional training and presentation opportunities



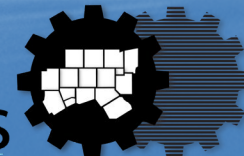
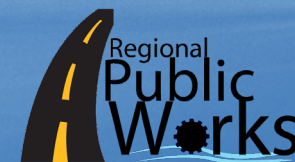
6. Regional Public Works Draft FY25 Work Program

Additional program activities for FY25:

- Labor force and career paths
- TXShare contracts
- Partnerships to explore training opportunities
- Other program activities?



Information Items



**North Central Texas
Council of Governments**
Environment & Development

7. PWC Member Terms Expiring

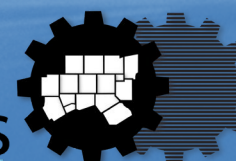
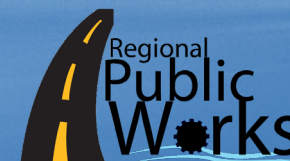
Standing Seat	FY24 Representative
Arlington	Chris Funches
Carrollton	Jody Byerly
Collin County	Mark Hines
Dallas	Derek White
Dallas County	Cecelia Rutherford
Denton	Brett Bourgeois
Denton County	Stephen Belknap

7. PWC Member Terms Expiring

Standing Seat	FY24 Representative
Fort Worth	Juan Cadena
Frisco	David Chacon (replaced by Dane Stovall)
Garland	Mike Rozelle
Irving	Walter Thomas
McKinney	Paul Sparkman
Plano	Carrie Jones
Richardson	Jim Dulac

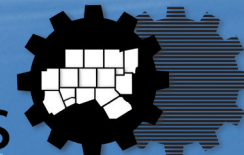
7. PWC Member Terms Expiring

Subregion Seat	FY24 Representative
Denton/Lake Cities	Jeffrey McSpedden, Hickory Creek
DFW North	Clayton Riggs, Flower Mound
East	Scott Monaghan, Fate
Mid-Cities	Caroline Waggoner, North Richland Hills
Northeast	Andrew Figueroa, Celina
Northeast Dallas	Ronnie O'Brien, Rowlett
Northwest	Dillon Luna, Northlake
Southeast Dallas	Brooks Williams, Ferris
Southwest	Jeremy Hutt, Cleburne
Southwest Dallas	Robert Woodbury, Cedar Hill
West	Matt Leppla, Weatherford



7. PWC Member Terms Expiring

Private Seat	FY24 Representative
Texas Council of Engineering Labs/Geoprofessionals Serving Texas	Lyndon Cox, Terracon Consultants



North Central Texas
Council of Governments
Environment & Development

8. FY2024 Public Works Work Program Update

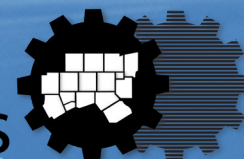
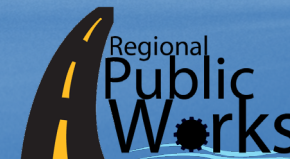
- Allen
- Arlington
- Aubrey
- Azle
- Bedford
- Benbrook
- Burleson
- Carrollton
- Cedar Hill
- Celeste
- Cleburne
- Colleyville
- Coppell
- Crandall
- Dallas
- Fairview
- Ferris
- Fort Worth
- Garland
- Godley
- Grand Prairie
- Haltom City
- Hudson Oaks
- Hurst
- Irving
- Joshua
- Keller
- Kennedale
- Lewisville
- Little Elm
- Mansfield
- McKinney
- Mesquite
- Midlothian
- Murphy
- North Richland Hills
- Northlake
- Plano
- Ponder
- Princeton
- Red Oak
- Rhome
- Richardson
- River Oaks
- Rockwall
- Royse City
- Seagoville
- Southlake
- University Park
- Watauga
- Waxahachie
- Weatherford
- Wilmer
- Wylie
- Collin County
- Denton County
- Ellis County
- Tarrant County

Thank you to our cost-sharing members! The Public Works Work Program would not be possible without your contributions!

106% of budget received

Donations

- TexasMaterials

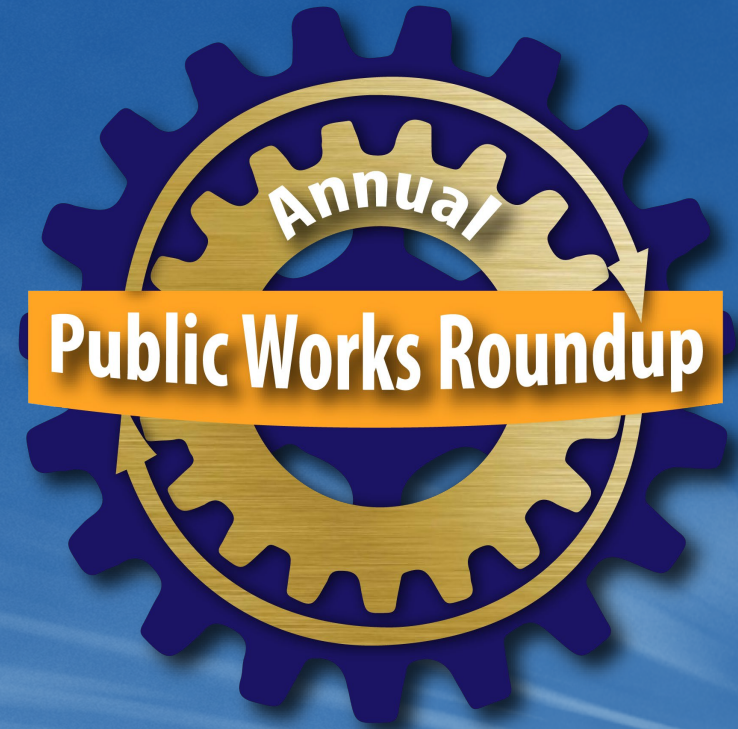


North Central Texas
Council of Governments
Environment & Development

8. FY2024 Public Works Work Program Update

Public Works Roundup

- 25th YEAR!!!
- August 22
- Hurst Conference Center
- [Call for Sponsors – Open](#)
- [Call for Presentations – Open](#)
- Registration Opens in June





NCTCOG NEW INSPECTOR TRAINING SEMINAR

5215 Simpson Stuart Rd, Dallas, TX 75241

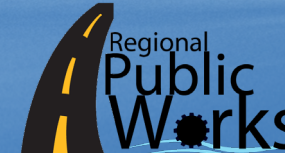
June 11-12, 8 A.M. to 3:30 P.M.

Open enrollment available to participants in NCTCOG's FY24 Regional Public Works Program. Seats are limited to 50 attendees.

Contact Erin Blackman to register:
EBlackman@nctcog.org | 817-608-2360



City of Dallas
Department of Public Works



North Central Texas
Council of Governments
Environment & Development

Open to 1-2 staff per
participating entity

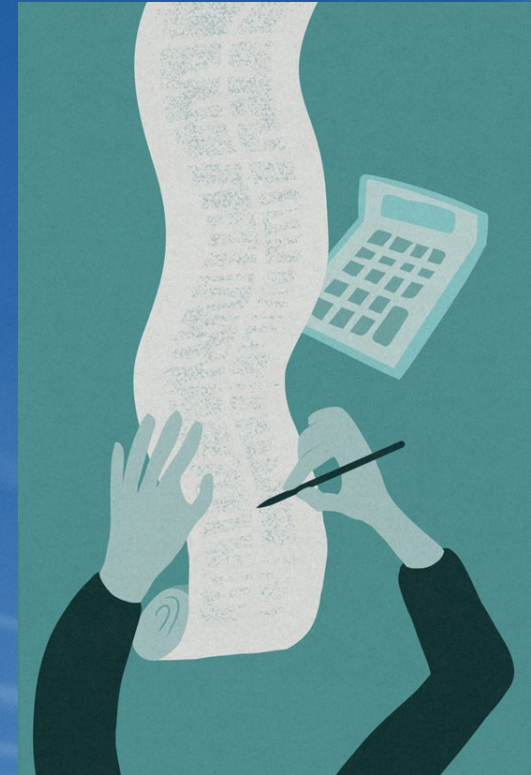
First-come, first-
served

Email with
registration info went
to current
participants

8. FY2024 Public Works Work Program Update

Cost Share Review Subcommittee

- Met virtually May 13
- Volunteers:
 - Michael Owen, Fort Worth
 - Robert Woodbury, Cedar Hill
 - Dillon Luna, Northlake
 - Cecelia Rutherford, Dallas County
 - Sam Davis, TexasMaterials



8. FY2024 Public Works Work Program Update

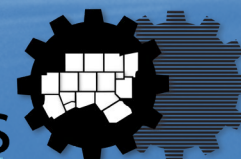
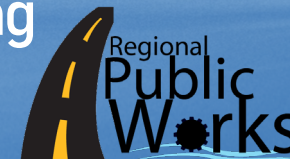
Sustainable Public Rights of Way Subcommittee



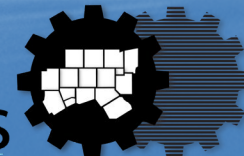
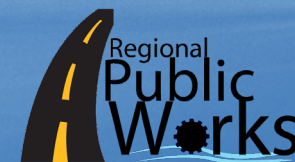
8. FY2024 Public Works Work Program Update

iSWM Subcommittee

- Next iSWM Meeting: July 24, 2024
 - 1:30 pm, in-person at NCTCOG Offices
 - Agenda items include task selection for FY25 Work Program
- Upcoming Events
 - iSWM Training on Development Submittal & Review
 - iSWM Community Workshop
- Upcoming Deliverables
 - iSWM Presentation at TSPE Preston Trail Chapter – June 20, 2024
 - Research on Cumulative Impacts of Small Footprint Developments
 - Memorandum on feedback from Development Training



Other Program Activities



**North Central Texas
Council of Governments**
Environment & Development

9. Other Program Activities

Update on State Flood Planning Process

Draft 2024 State Flood Plan posted for public comment:

https://www.twdb.texas.gov/flood/planning/sfp/doc/Draft%202024%20State%20Flood%20Plan_Volume%20I.pdf

Public Meeting scheduled for 10 a.m. May 30

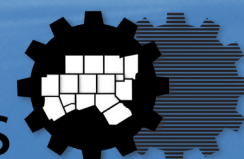
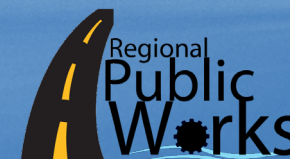
Comment period ends June 17

In person: Austin at the Stephen F. Austin Building,
1700 North Congress Avenue, Room 170 in Austin

Virtual: [GoToWebinar](#)

Stakeholder Comments: [online form](#)

Questions: statefloodplan@twdb.texas.gov



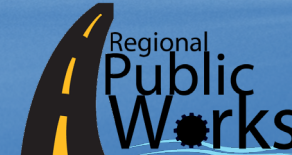
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9. Other Program Activities

Cooperative Technical Partnership Program

East Fork Activities	Start Date	Expected End Date	% Complete
Terrain Data Capture	2/2022	6/2022	99%
Field Surveys	7/2022	11/2022	98%
Hydrologic Data	8/2022	9/2023	99%
Hydraulic Data	8/2022	9/2023	99%
Floodplain Mapping	2/2023	1/2024	26%
Flood Risk Review Meeting	7/2023	5/2024	99%
Flood Resilience Meeting	3/2024	7/2024	0%
Flood Risk Products	1/2024	6/2024	0%
Total Project Percent Complete			72%

Hbg Branch Activities	Start Date	Expected End Date	% Complete
Terrain Data Capture	4/2022	5/2022	97%
Field Surveys	5/2022	8/2023	96%
Hydrologic Data	8/2022	9/2023	99%
Hydraulic Data	8/2022	9/2023	99%
Floodplain Mapping	7/2023	1/2024	88%
Flood Risk Review Meeting	1/2024	5/2024	99%
Flood Resilience Meeting	3/2024	7/2024	0%
Flood Risk Products	1/2024	6/2024	1%
Total Project Percent Complete			88%

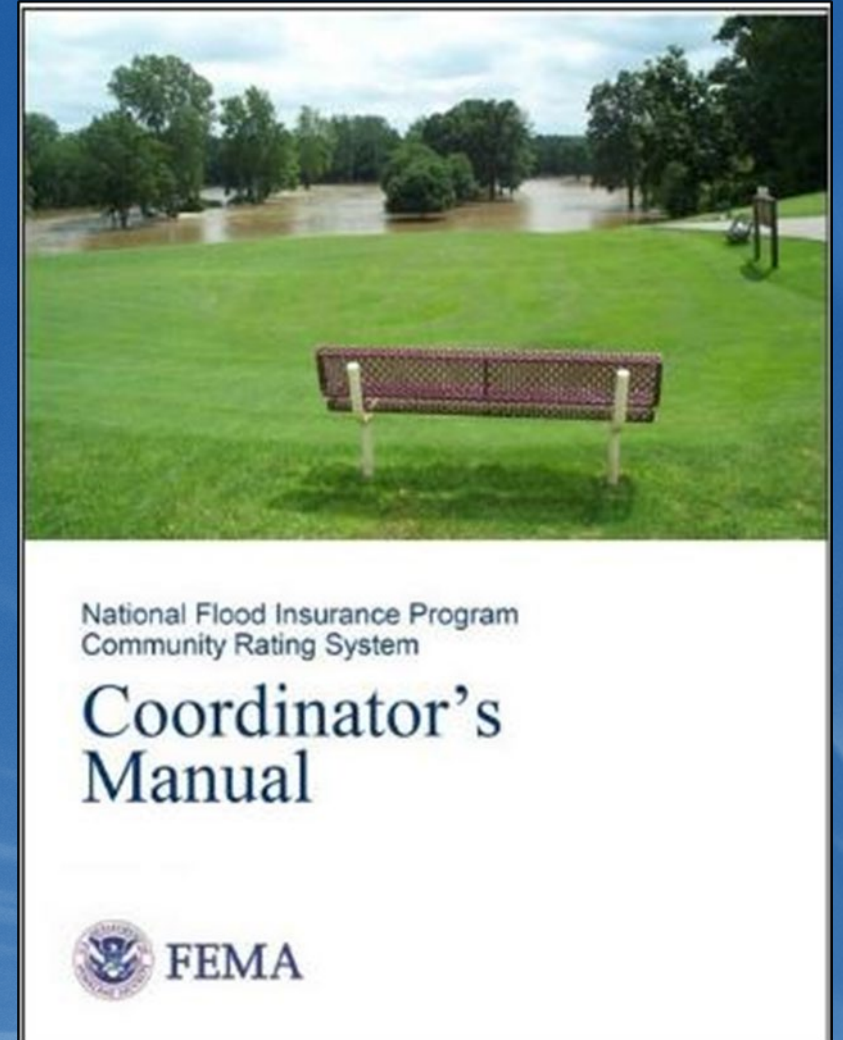


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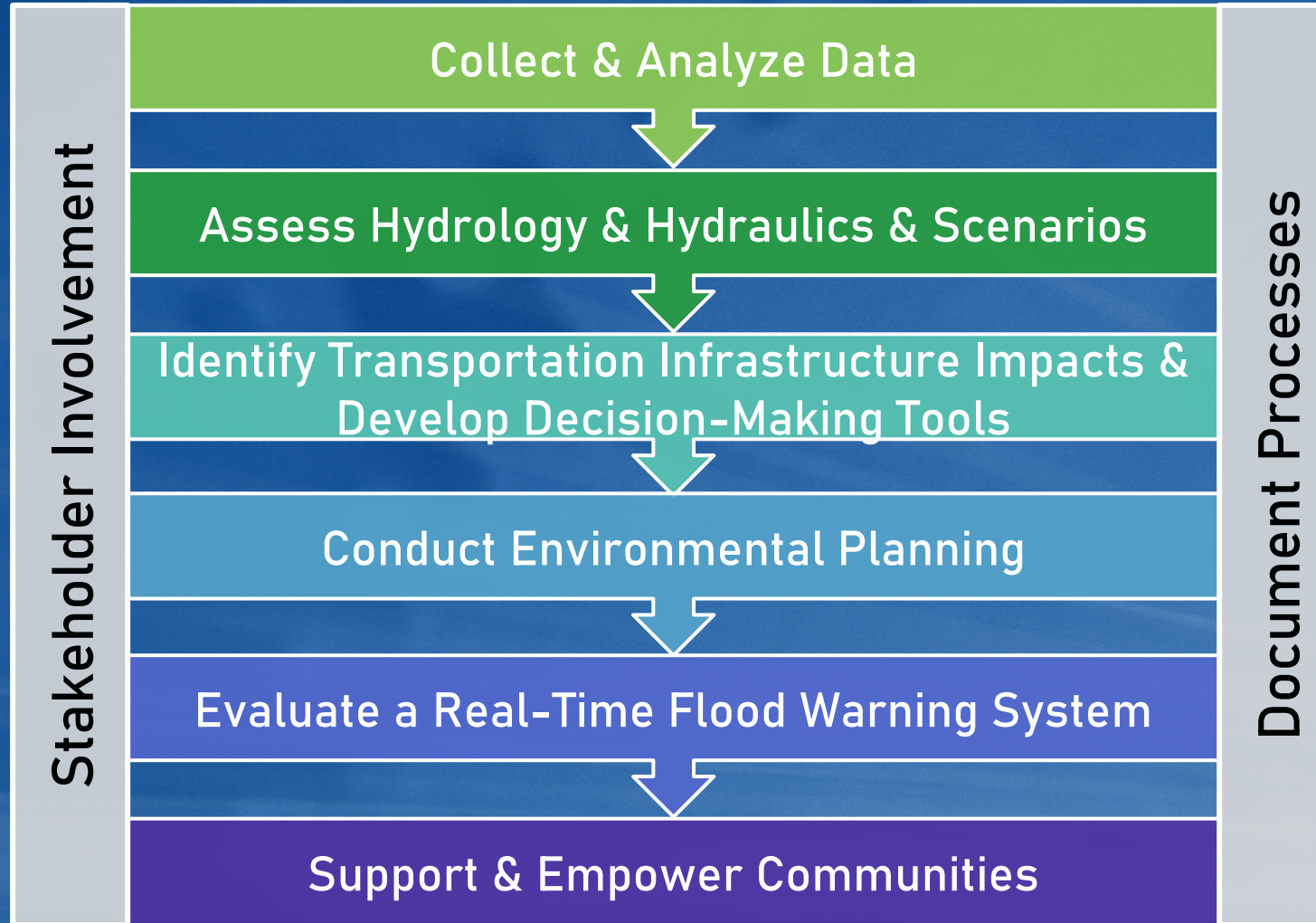
9. Other Program Activities

Community Rating System (CRS) Users Group:

- Voluntary incentive program that exceeds minimum NFIP requirements
- NCT Users Group meets to collaborate, receive training, support one another...
- Identifying topics and dates for the next meeting
- Thoughts and ideas?



9. Other Program Activities

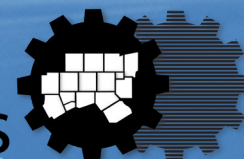
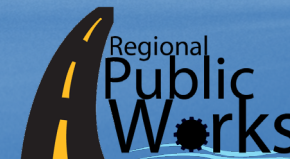


Integrating Transportation and Stormwater Infrastructure

- Technical Advisory Group meetings
- Site visits and windshield tours
- Water rights and green stormwater infrastructure webinar
- Developer advisory group

Website: www.nctcog.org/tsi

Email: tsi@nctcog.org

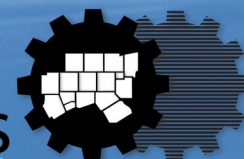
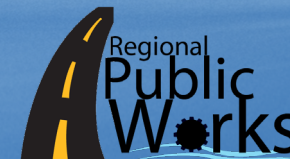


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9. Other Program Activities

Public Works Emergency Response Team

Update provided by:
Clay Riggs, PWERT Chairperson



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PWERT

NCT PWERT EQUIPMENT CACHE LOCATIONS		Allen	Balch Springs	Carrollton	Colleyville	Denton	DeSoto	Ellis County	Farmers Branch	Flower Mound	Garland	Grand Prairie	Haltom City	Kaufman County	Lancaster	McKinney	Plano	Princeton	Richardson	Richland Hills	Roanoke	Rowlett	Tarrant County	Weatherford
Light Tower	Generac MLT4060KV LED									1														
	Generac MLT4080	1		1				1	1			1	1		1					1		1	1	1
Message Board	VER-MAC PCMS-1500 Pro (Full-Size)																				1*			
	SolarTech IRT-112-1548 (Mid-Size)	1	1			1*		1	1	1	1	1	1	1	1			1*	1	1		1	1	1
Dewatering Pump	Godwin CD225M (8")							1												1				
	Godwin CD250M (10")		1																					
Traffic Signal OMJC LD Pop-Up																						4		
Portable Generator Generac XG10000E		2		2				2	2			2	2		2					2		2	2	2
General Response Trailer		1		1	1		1			1												1		1
Traffic Trailer												1		1		1	1							
Vehicle Interdiction Trailer (24 - MVB3X units)																						1*		
Radio		6							5															
Vest		30		50				30	30			30	30		30					30	55	30		50

*Received, but not yet transferred or deployable

TO REQUEST THESE RESOURCES FOR AN EMERGENCY, CALL THE PWERT HOT PHONE (469-278-5921) OR CURRENT PWERT LEADERSHIP. PLEASE DO NOT DIRECTLY CONTACT THE CACHE JURISDICTION.

LEADERSHIP:

Chair – Clay Riggs
Vice Chair – Ed Balderas
Secretary – Travis Houston
NCTCOG Liaison – Amanda Everly

PWERT WEBPAGE:



(Updated 5-10-24)

PWERT

Start back up Quarterly Meeting:

- January
 - April
 - July
 - October
-
- Maybe second Thursday of each month

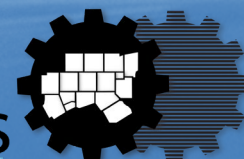
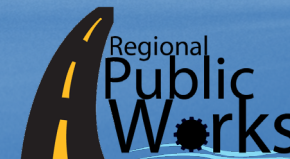
Expect emails requesting contact information to be updated.

9. Other Program Activities

Texas Chapter of American Public Works Association

Update provided by:

Katie Barron, North Central Branch President ('23-'24)



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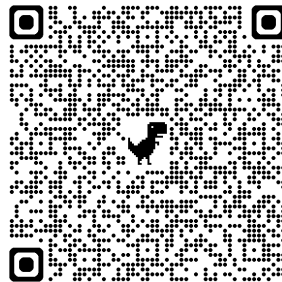
AMERICAN PUBLIC WORKS ASSOCIATION (APWA) TEXAS CHAPTER — NORTH CENTRAL BRANCH



UPCOMING LOCAL EVENTS

- **May 29th:** North Central Branch Social Event—Rangers Game!
 - Texas Rangers vs. Arizona Diamondbacks
 - Afternoon game, first pitch at 1:30pm
 - Dollar Hotdog Day!
 - \$30 tickets

Registration



UPCOMING LOCAL EVENTS

- **June 18th:** North Central Branch Membership Lunch
 - 11:30am to 1:00pm
 - Lewisville City Hall
 - Presentation on Integrated Pavement Restoration
 - *ELECTION OF NEXT YEAR'S BRANCH OFFICERS/DIRECTORS*
 - Lunch provided with advance \$20 registration (\$25 at-the-door)

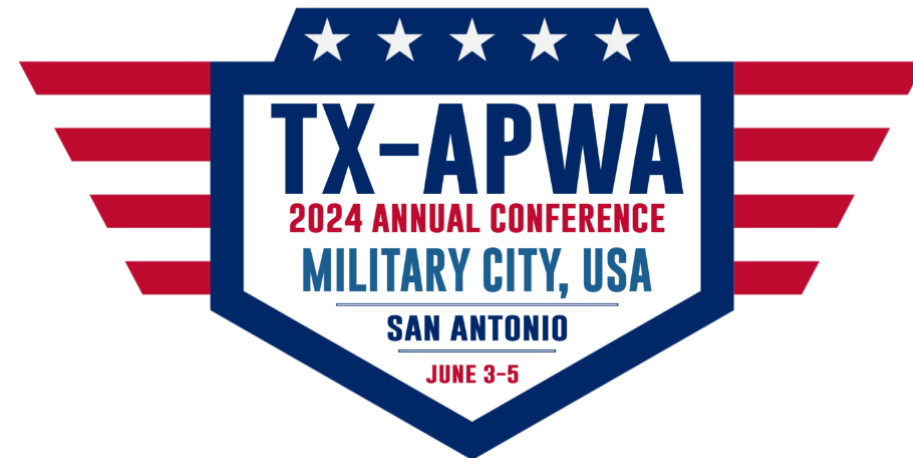
Registration coming soon



UPCOMING LOCAL EVENTS

- **May 19 – May 25, 2024:** National Public Works Week
- **June 3 – June 5, 2024:** TX-APWA Annual Conference
 - Taking place in: San Antonio, TX
 - Registration is open!
 - <https://txapwa.com/>

Registration for conference



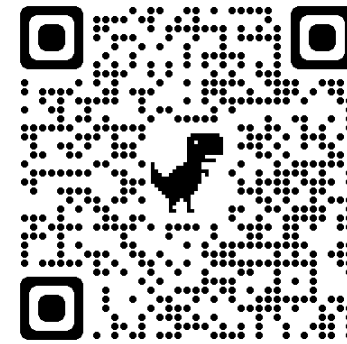
MORE INFORMATION

<https://www.apwa.org>

<https://nct-apwa.com>

Katie Barron, P.E., ENV SP
North Central Branch President ('23-'24)

kbarron@uptexas.org

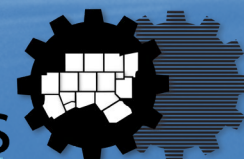
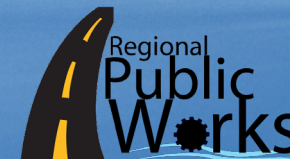


NCT Branch Website



10. Future Agenda Items

Council Members and NCTCOG staff may suggest future agenda items



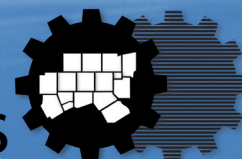
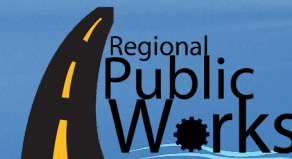
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10. Roundtable Discussion



11. Next Meeting

- Next PWC Meeting: August 15, 2024 at 9:30 a.m. (in person)
- More information:
<https://www.nctcog.org/envir/committees/public-works-council>



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Environment & Development

Contact & Connect

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eblackman@nctcog.org
817.608.2360

Kate Zielke
Environment & Development Program Supervisor
North Central Texas Council of Governments
kzielke@nctcog.org
817.695.9227



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[@nctcogenv](https://twitter.com/nctcogenv)



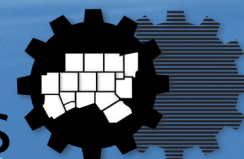
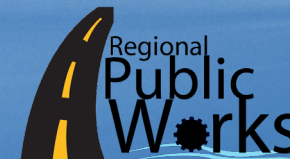
[@nctcogenv](https://www.instagram.com/nctcogenv)



youtube.com/user/nctcoged



EandD@nctcog.org



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