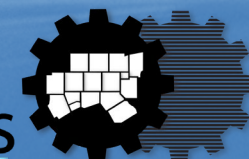
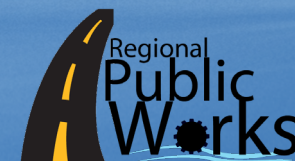


# Public Works Council Meeting

November 16, 2023



North Central Texas  
Council of Governments  
Environment & Development

# 1. Welcome, Introductions, & Roll Call

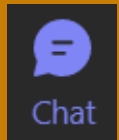
The meeting agenda, presentation, and any handouts are located on the Public Works Council webpage:

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



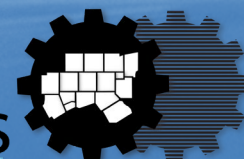
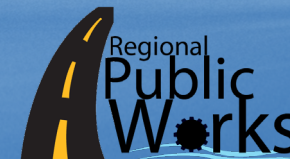
Mic

Please mute your line



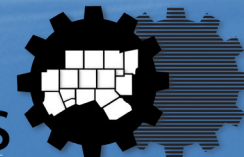
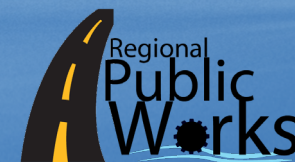
Chat

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



North Central Texas  
Council of Governments  
Environment & Development

# Action Items

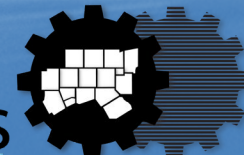
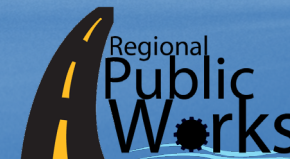


North Central Texas  
Council of Governments  
Environment & Development

## 2. Meeting Summary

The August 17, 2023 meeting summary is available for review: [https://www.nctcog.org/getmedia/15d0c1c5-1a52-446f-bccc-92323857ea54/PWC\\_-Meeting-Summary\\_8-17-2023\\_draft.pdf?ext=.pdf](https://www.nctcog.org/getmedia/15d0c1c5-1a52-446f-bccc-92323857ea54/PWC_-Meeting-Summary_8-17-2023_draft.pdf?ext=.pdf)

The Public Works Council will vote to approve the summary



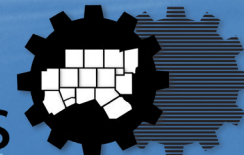
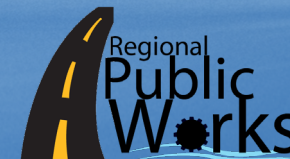
North Central Texas  
Council of Governments  
Environment & Development

### 3. New Member Welcome

NCTCOG's Executive Board approved the PWC nominations for FY24 at their September meeting

The following slides list the new (highlighted yellow) and/or returning members for FY24-FY25

PWC Bylaws overview will occur after special presentations and Tx-APWA update



North Central Texas  
Council of Governments  
Environment & Development

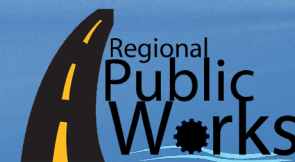
Standing Seat	Name	Title
NEW: City of Allen	Joseph Cotton	Assistant Director of Engineering
City of Arlington	Keith Brooks	Director of Public Works & Transportation
City of Dallas	Ali Hatefi	Director of Public Works
City of Fort Worth	Michael Owen	City Engineer
City of Grand Prairie	Brister Merritt	Utility Operations Manager
City of Lewisville	Aaron Russell	Director of Public Services
City of Mesquite	John Mears	City Engineer
Tarrant County	Joseph Jackson	County Engineer

Subregion Seat	Name	Title	City	Communities
Northeast Tarrant Subregion	Keith Miertschin	Assistant Director of Operations	Grapevine	Colleyville, Grapevine, Haslet, Keller, Roanoke, Southlake, Trophy Club
Northwest Dallas Subregion	Danielle Rix	City Engineer	Farmers Branch	Addison, Coppell, Farmers Branch, Highland Park, University Park
Northwest Tarrant Subregion	Larry Hoover	Director of Public Works	White Settlement	Azle, Blue Mound, Lakeside, Lake Worth, Pelican Bay, River Oaks, Saginaw, Sanctuary, Sansom Park, Springtown, Westover Hills, Westworth Village, White Settlement
South Tarrant Subregion	Raymond Coffman	Director of Engineering Services	Mansfield	Benbrook, Burleson, Crowley, Dalworthington Gardens, Edgecliff Village, Everman, Forest Hill, Kennedale, Mansfield, Pantego
Southeast Subregion	James Gaertner	Executive Director of Public Works & Utilities	Waxahachie	Alma, Angus, Bardwell, Barry, Blooming Grove, Corsicana, Dawson, Ellis County, Emhouse, Ennis, Eureka, Frost, Garrett, Goodlow, Italy, Kerens, Maypearl, Mildred, Milford, Mustang, Navarro, Navarro County, Oak Valley, Palmer, Pecan Hill, Powell, Red Oak, Retreat, Rice, Richland, Waxahachie

Private Seat	Name	Title	Organization
Associated General Contractors	Sam Davis	Performance Manager	TexasBit
Associated General Contractors	Connor VanSteenberg	North Texas Area Manager	Associated General Contractors
Council of Engineering Companies	Chris Cha	Principal	Pacheco Koch
Council of Engineering Companies	Ted Sugg	Principal Regional Municipal Manager	CobbFendley



# Discussion Items

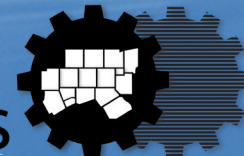
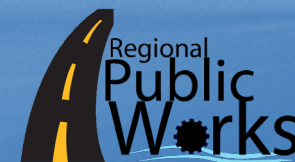


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Environment & Development

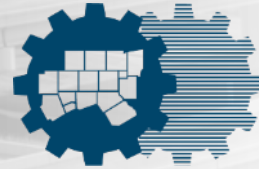
# 4. Implementing Infrastructure AI for Roadway Safety

Presented by:

Collin Moffett, Senior Transportation Planner, NCTCOG



North Central Texas  
Council of Governments  
Environment & Development



NCTCOG Transportation  
Technology & Innovation

# Implementing AI for Roadway Safety & C/AV Readiness

COLLIN MOFFETT | 11/16/2023

# Agenda

1. TTIP Introduction
2. Workzone Data Exchange (WZDx)
3. Situational Awareness Applications
4. NCT 911 STIC Incentive Program

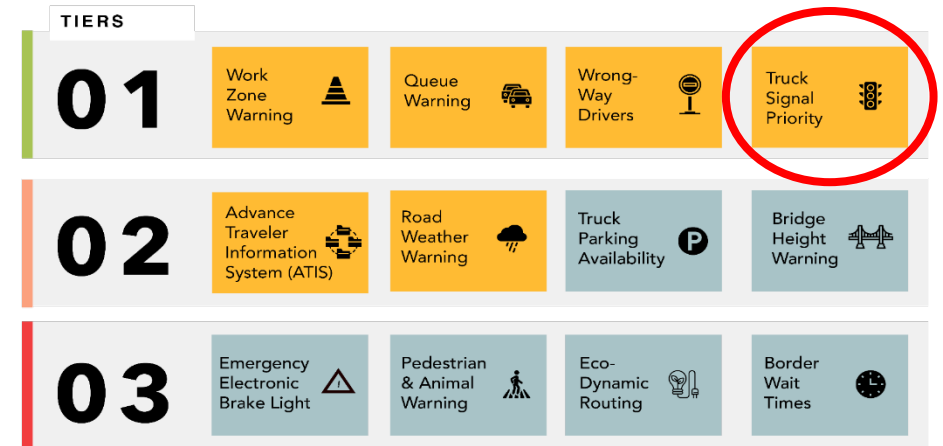


# Freight Optimization Project

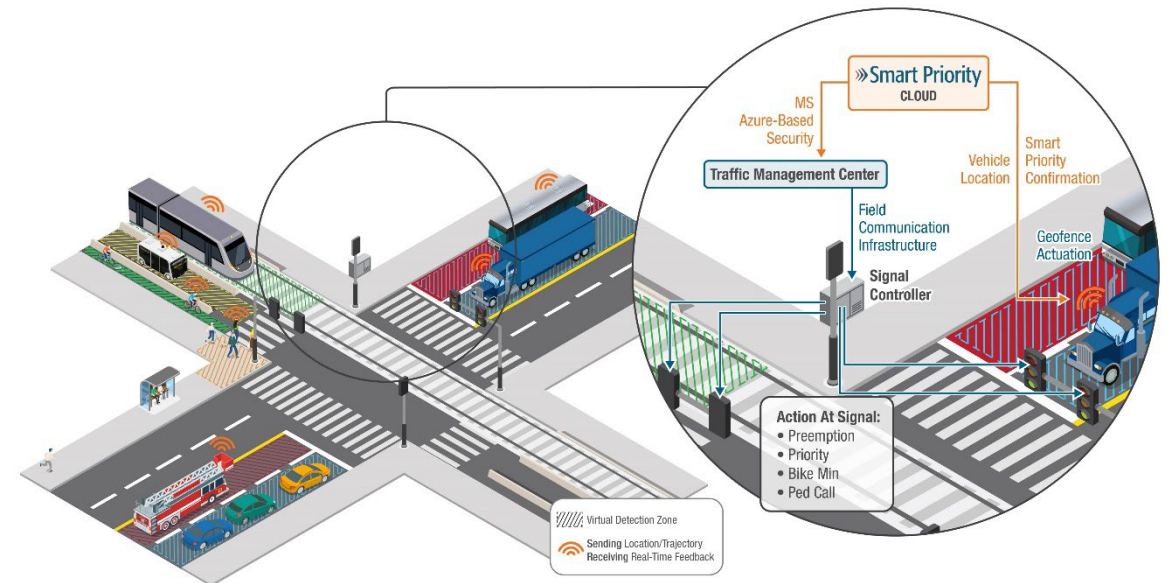
## TxDOT Connected Freight Corridors

## Freight Signal Priority

## Green Light Optimized Speed Advisory (GLOSA)



= Highlighted applications are prioritized for development



# Broadband As A Transportation Mode

## Access

- Broadband Infrastructure Enhancements
- Open Access Model for “Last Mile” Delivery

## Adoption

- Service Affordability
- Device Access

## Utilization

- Digital Navigation
- Software



# AV 2.0 Program

Supporting AV Deployments for Local Governments

Total of **\$24.5 million** invested

Leverages a Variety of Technologies

Rapidly expand AV infrastructure & adoption



# AV 2.1



## I-30 Test Bed

- Deployment of RSUs
- C-V2X Tech
- TxDOT Partnership

## Waze Data Sharing

- Publish public sector data feeds
- Integrate into common driving apps

## Traffic Signal Data Sharing

- Publish signal data for private app developers

## Regional AV Plan

- Provide overview of AV adoption impacts
- Plan for infrastructure needs





# AV 2.2



## AV 2.2 (Round 1)

Dallas College  
workforce  
development & AV  
deployment

Fort Worth AV  
Truckport

Richardson  
Innovation Quarter  
Transit Project

DART Love Link

- Originally AV Bus deployment
- Now revising to other Tech Transit service

## AV 2.2 (Round 2)

Dallas/McKinney  
AV Wellness  
Wagon

DFWIA Automated  
Parking System

Fort Worth  
Broadband  
Corridors



# Workzone Data Exchange (WZDx)

Integrate and harvest data on planned roadway construction and outages



Publish WZDx feed to driving apps and C/AVs



**THE IMPORTANCE OF WZDx** **WZDx**  
WORK ZONE DATA EXCHANGE

Putting work zones on the map and into vehicles.  
**Saving lives.**

Learn more and become involved  
in the future of work zone management  
<https://ops.fhwa.dot.gov/wz/wzdx/index.htm>

Sponsored by  
U.S. Department of Transportation  
Federal Highway Administration



# WZDx Cooperative Procurement

## Three categories of services

1. Convert raw work zone data into WZDx format
2. Establish WZDx-compliant reporting system
3. General WZDx services

## Five vendors under contract:

Blyncsy

iCone

Mixon Hill

Navjoy

One.Network

**TXShare**  
Your Public Sector Solutions Center



# Situational Awareness App - Blynco

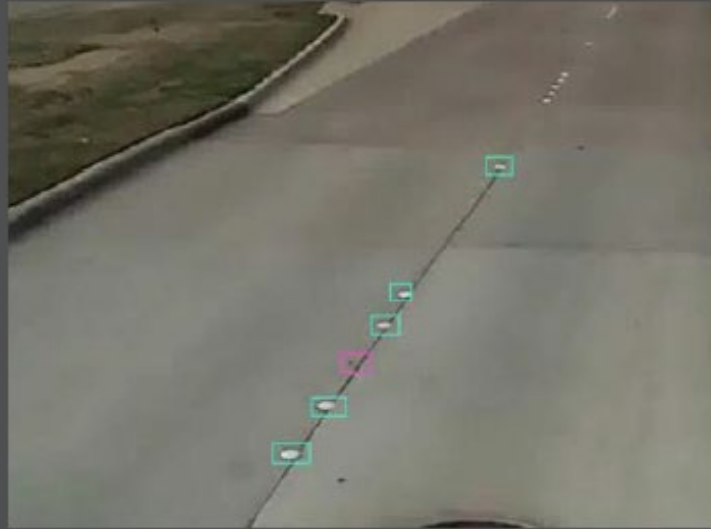


Figure 13. This figure shows show two different examples of missing raised pavement markings

1. Plano Case Study
2. WZDx Automated Workzone Detection

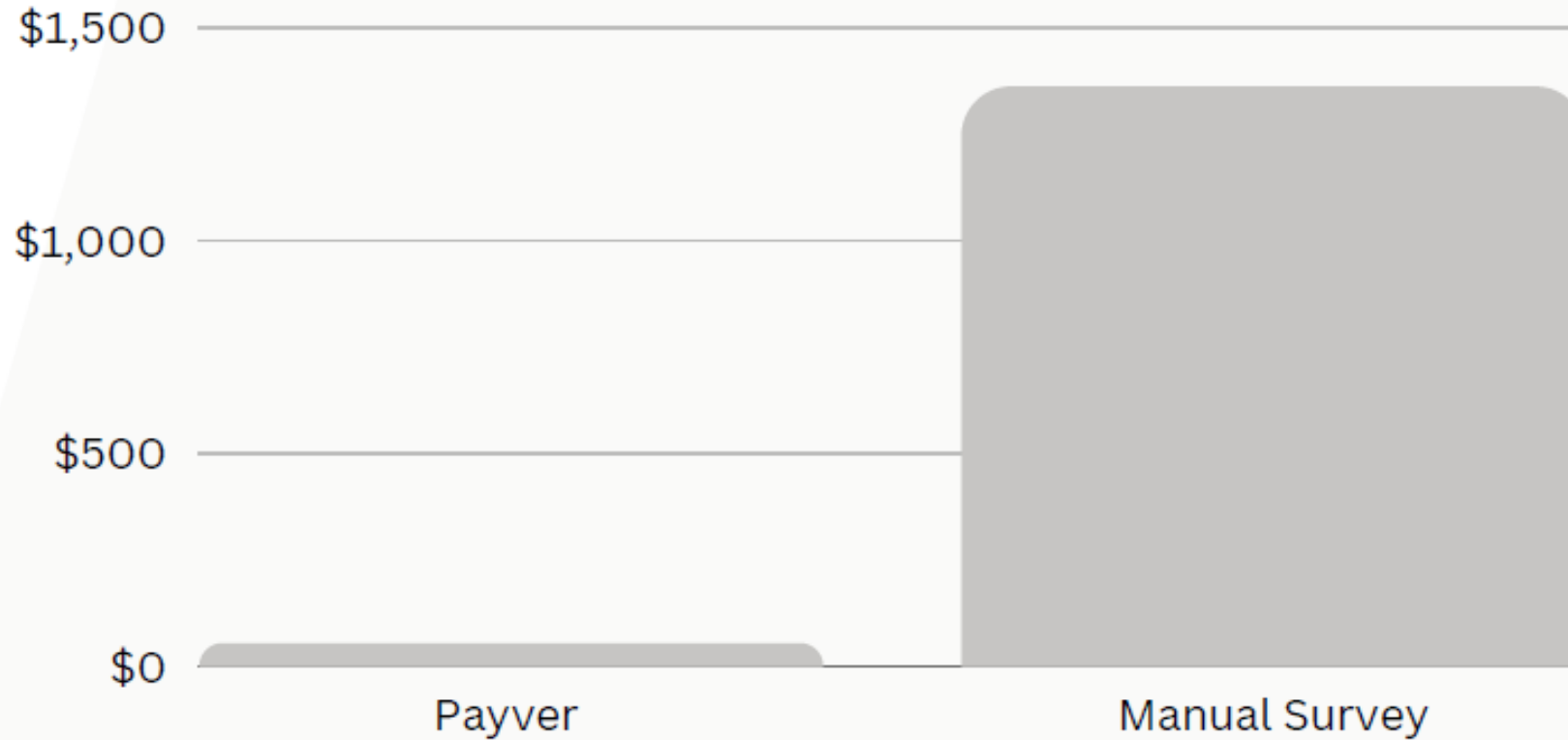
AI + Crowdsourced Dashcam Data  
= Automated WZDx Inputs

*"Payver's ability to quantify and inventory traffic elements can be a very powerful tool that could save lots of man-hours and help maintain and stay informed about the condition of city infrastructure."*

*-Chad Ostrander, Senior Traffic Engineer, City of  
Plano Transportation Engineering*



By automating this 4 mile manual survey on 11 different assets, Payver saved an average of 450 pounds of carbon emissions, 20 man hours, and a total of \$1,307. If Payver were to survey all 2,900 lane miles of Plano, the savings potential would be \$475,238.



*Figure 39. Cost comparison of Payver and manual road survey on four miles of roadway*



# NCT 911 STIC Initiative – TTIP Collaboration

**Project:** Improving Emergency Response to Roadway Incidents Using Traffic Speed Deviation Alerts from Crowdsourced Data (“Project”)

## Tasks:

- Tool Development
- NCTCOG9-1-1 Tool Roll Out
- Training Manual Prep
- FSL Levelled Outreach
- Final Report



# Future Initiatives?

Regional ITS  
Cybersecurity

Distributed  
Acoustic  
Sensing

Dynamic Flood  
Warning  
System

Smart  
Intersections  
(Freight/VRUs)

AI-Enabled  
Infrastructure  
Inspections



# Getting Involved

<https://www.nctcog.org/trans/plan/vehicles/cav>

<http://smartransport.solutions/>

<https://tradfw.org/ntcmt/>

<https://www.txdot.gov/cavtaskforce>





# CONTACT US



Collin Moffett

Senior Transportation Planner

[cmoffett@nctcog.org](mailto:cmoffett@nctcog.org) | (817) 695-9252



Connor Sadro

Transportation Planner II

[csadro@nctcog.org](mailto:csadro@nctcog.org) | (817) 608-2395



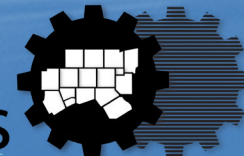
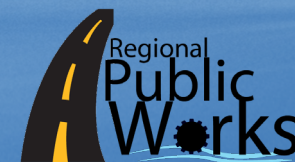
The image shows the interior of a bus, viewed from the back of the vehicle looking towards the front. The bus is empty. There are rows of blue seats with a patterned fabric. Yellow handrails and poles are visible throughout the cabin. The lighting is bright, suggesting daylight. The word "Questions" is overlaid in the center of the image.

# Questions

# 5. City of San Antonio's Cool Pavement Program

Presented by:

Murray Myers, Senior Sustainability Manager, City of San Antonio



North Central Texas  
Council of Governments  
Environment & Development



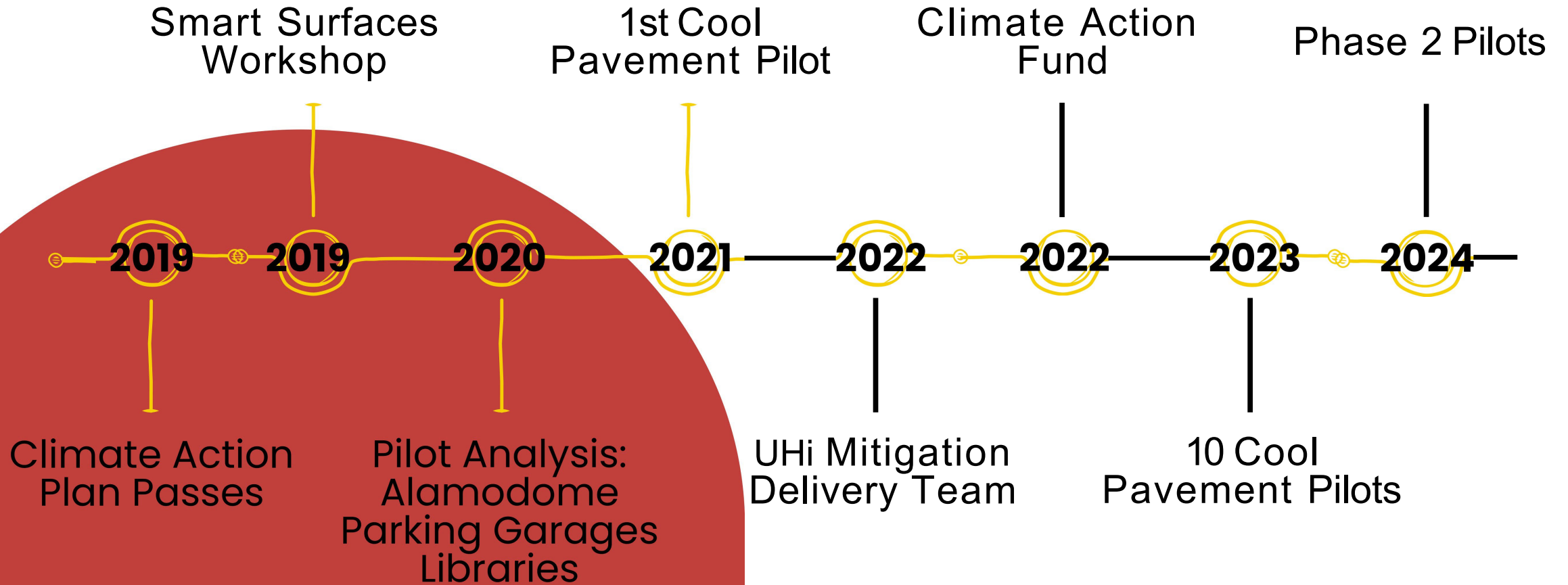
# SAN ANTONIO

U H I M I T I G A T I O N

Transportation &  
Public Works



# OUR JOURNEY





Mark Hartman, Chief Sustainability Officer (Phoenix) with Greg Spotts, former Chief Sustainability Office (LA)

# SMART SURFACES WORKSHOP

## Mitigation Tools

- Cool Roofs
- Tree Canopy
- Cool Pavement
- Cool Walls

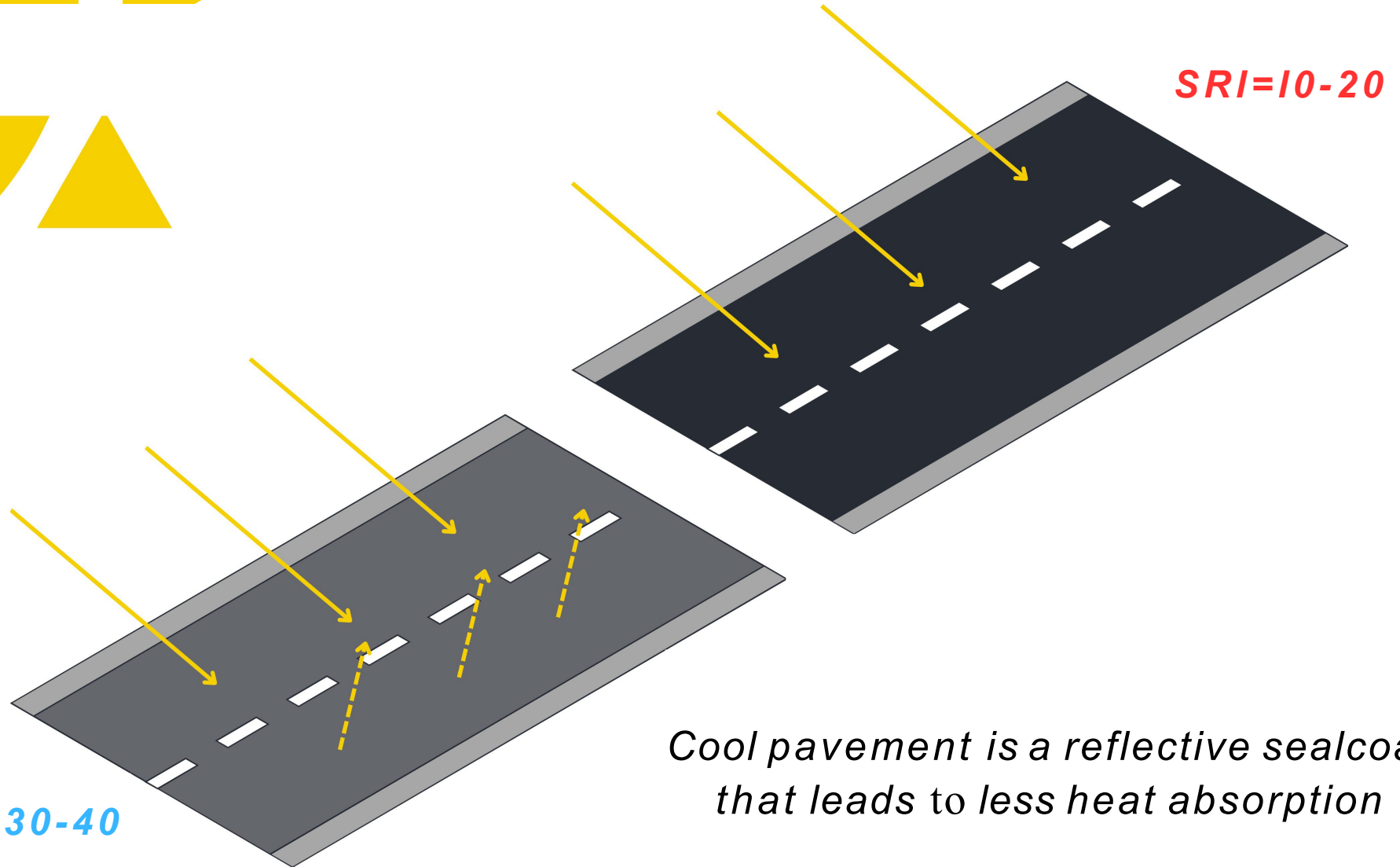
## Latest Research

- USC
- CalTech

Lessons Learned from Los Angeles

# HOW DOES COOL

# WORK?



*SRI=10-20*

*SRI=30-40*

*Cool pavement is a reflective sealcoat that leads to less heat absorption*

# PILOT ANALYSIS

*Finding suitable pilot locations*



Alamodome



Collins Garden Library





A black and white photograph showing several construction workers in white hard hats and safety vests using long-handled tools to spread material on a street. A large red semi-circular graphic is overlaid on the right side of the image. In the background, there is a building with a 'BIKE ROUTE' sign and some traffic cones.

# 1ST PILOT IN TEXAS (2021)

*Cool pavement installed in  
east San Antonio.*

- *8,000 sq. ft.*
- *Severe heat island*
- *High equity score*

# RECORD BREAKING SUMMER

## *Summer2022*

- *Hottest May, June & July on record*
- *1st for days over 90°*
- *2nd for days over 100°*
- *2nd driest year*



# UHI DELIVERY TEAM

*led by City Manager's Office*

Aviation

Innovation

Health

Human Services

Neighborhood &  
Housing

Parks

Public Works

Sustainability

Transportation



# CLIMATE ACTION FUND

*\$8 to \$10M Annually*

Business  
Incentives

UHi  
Mitigation

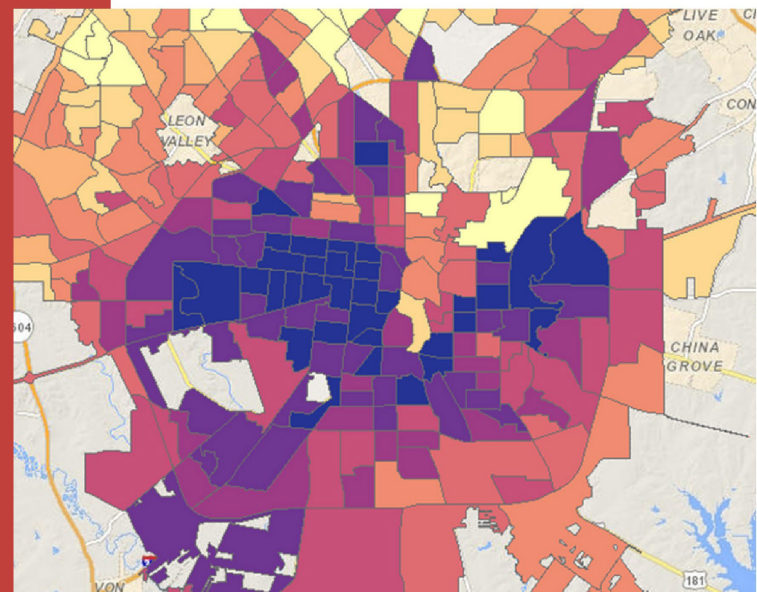
Leverage  
Federal  
Funding

Small  
Grants to  
Community  
Orgs

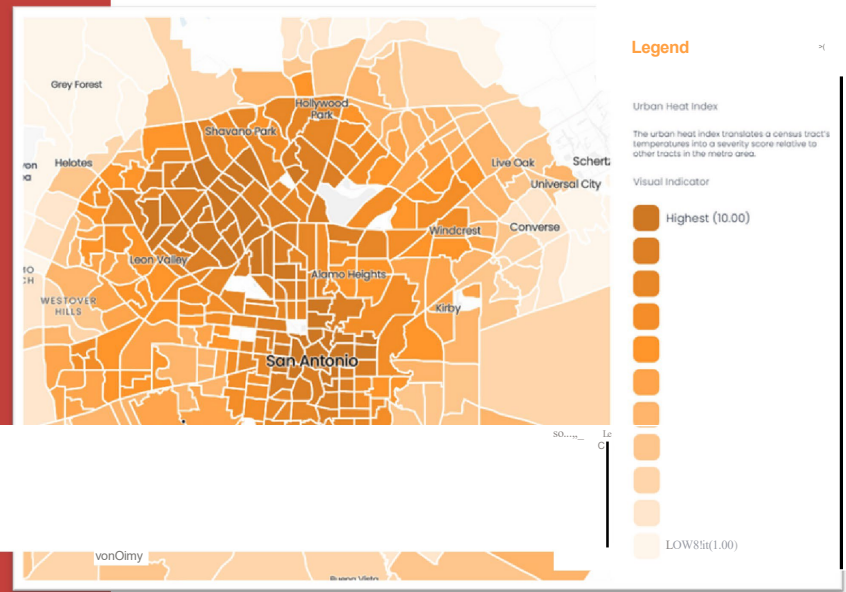
# 10 COOL PAVEMENT PLOTS

*Sites selected based on:*

- *equity*
- *heat*
- *pavement condition*
- *tree canopy*



**Equity Atlas**



**Greenlink Analytics**

# 10 COOL PAVEVENT PLOTS

*1 in each Council District*

*Project costs = \$810,000*

*4 products tested:*

- *GAF*
- *GuardTop*
- *PaveTech*
- *Sea/Master*



*PaveTech*

# 10 COOL PAVEVENT PLOTS

*1 in each Council District*

*Project costs = \$810,000*

*4 products tested:*

- *GAF*
- *GuardTop*
- *PaveTech*
- *Sea/Master*



*GuardTop*



# 10 COOL PAVEMENT PLOTS

## *Testing*

*Lead Professor*

*Dr. Somer Dessouky*

## *Pavement Performance*

- *skid resistance*
- *glare*
- *adhesion to existing pavement*
- *improved structural stability*



# 10 COOL PAVEMENT PLOTS

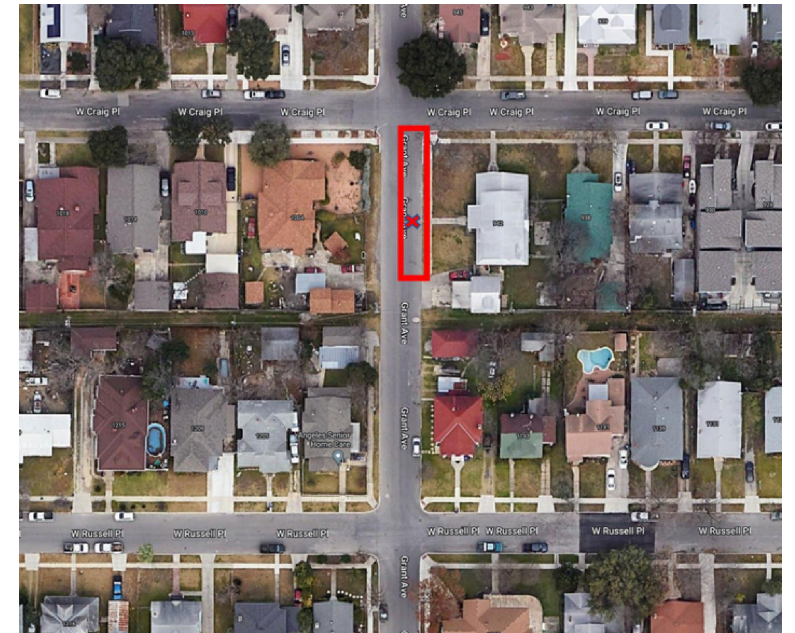
## *Testing*

### *Lead Professor(s)*

- *Dr. Neil Debbage*
- *Dr. Esteban Lopez Ochoa*
- *Dr. Wei Zhai*

### *Heat Mitigation*

- *air temperature*
- *surface temperature*
- *wet bulb temperature*
- *solar radiation*



# LESSONS LEARNED

Persistence

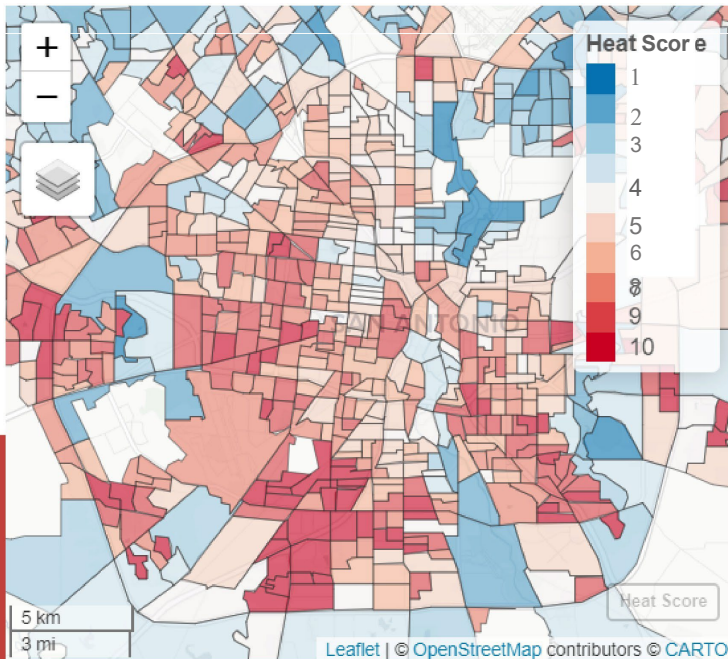
Research

Coordination

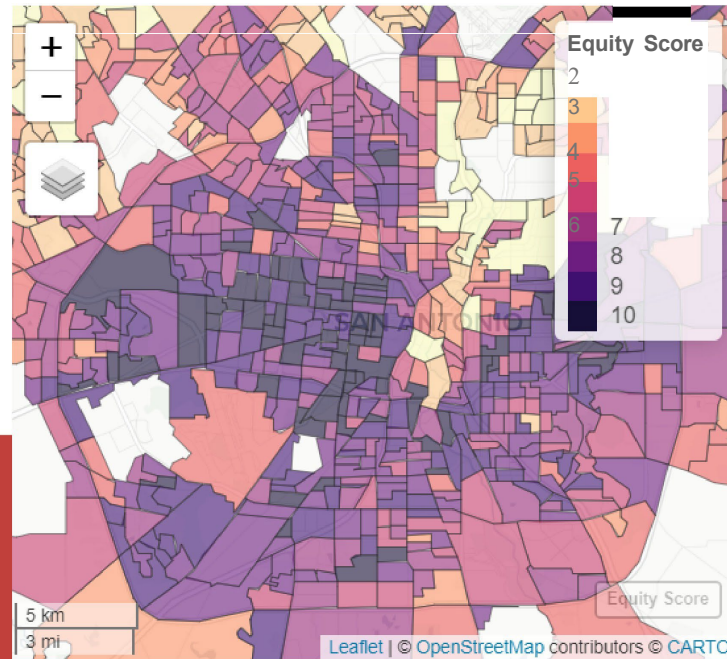
Education

# NEXT STEPS

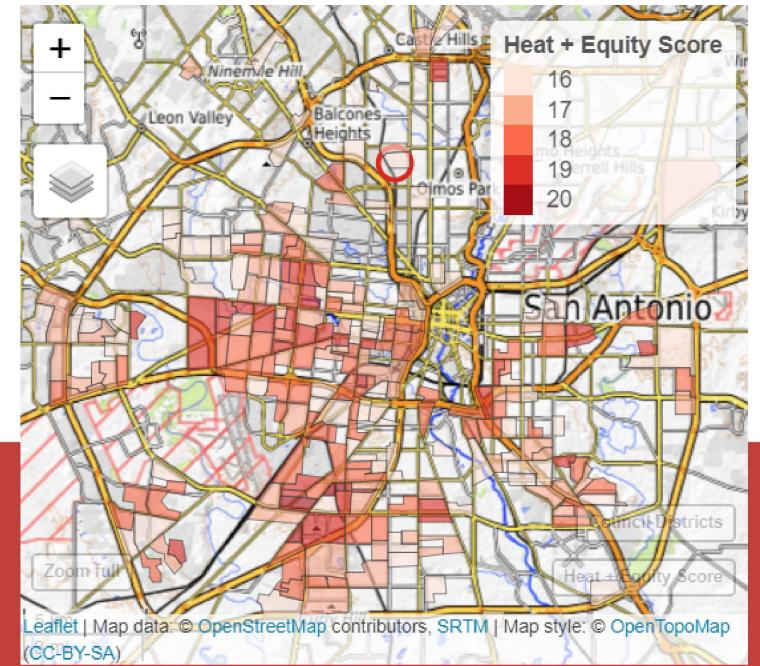
*UTSA UHi High Priority Neighborhood Analysis*  
*1Jr. Kristen Brown & team*



Heat Score



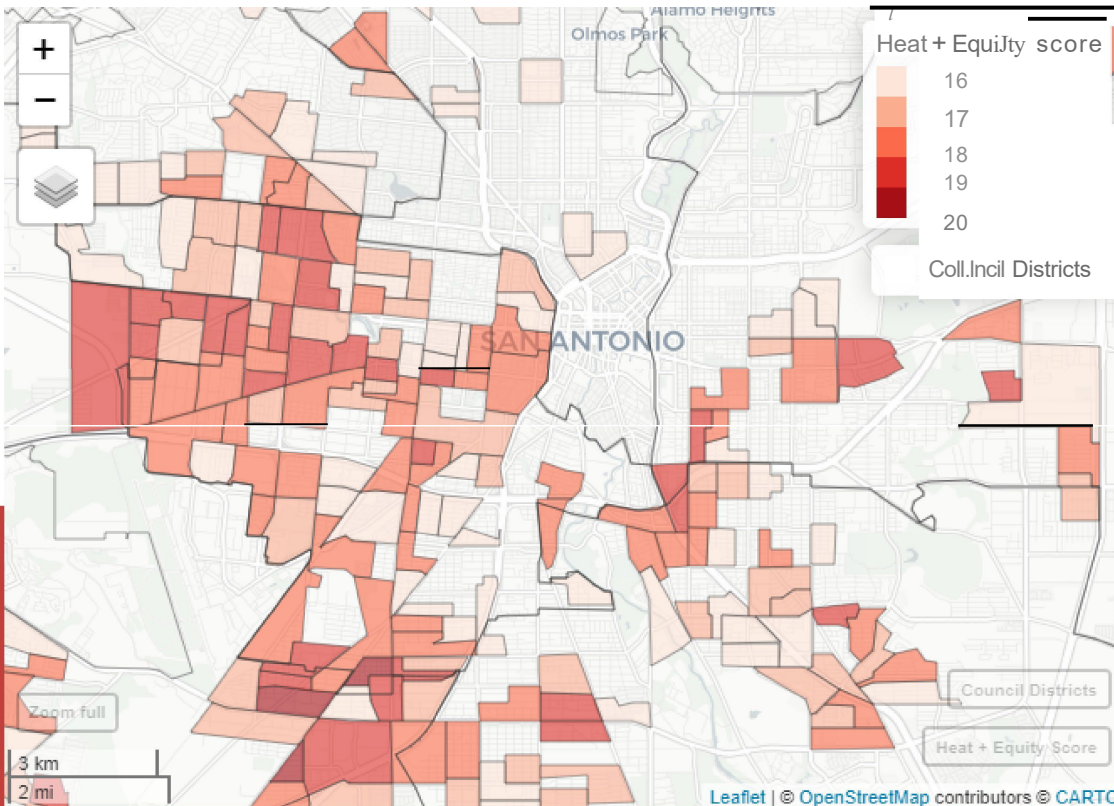
Equity Score



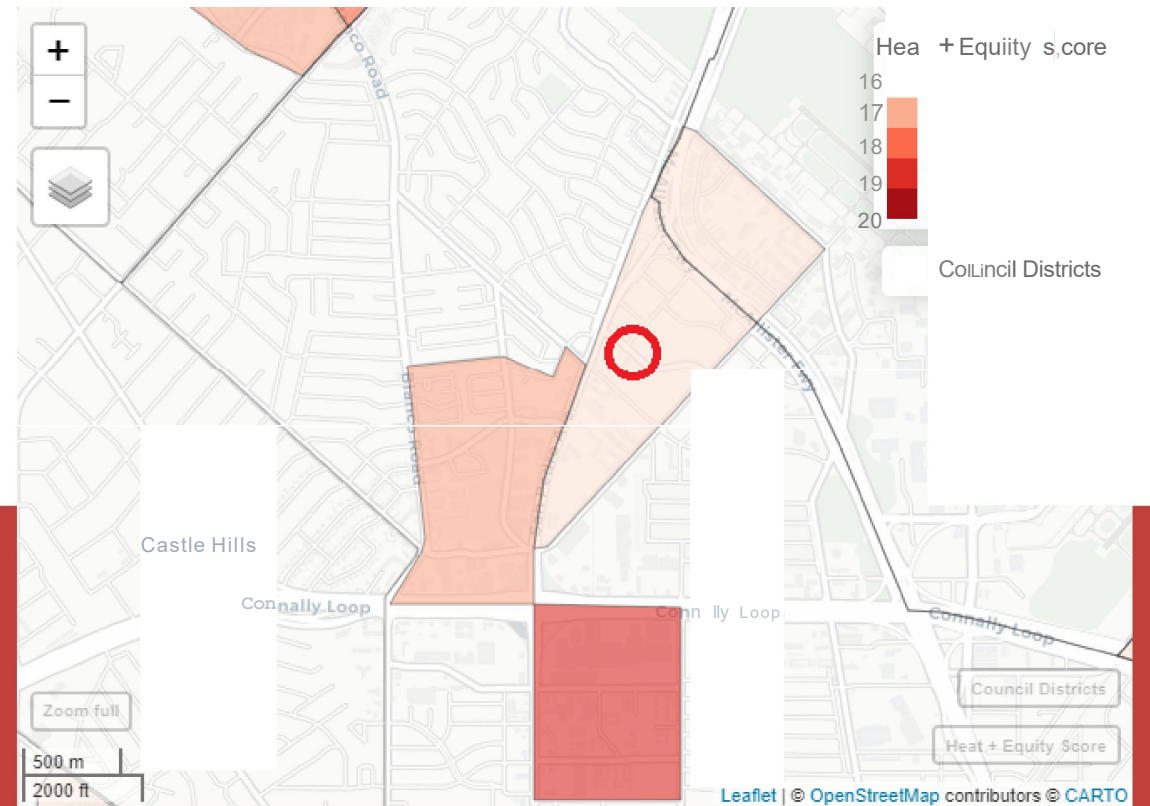
Heat & Equity

# DATA DRIVEN POLICY

*UTSA UHi High Priority Neighborhood Analysis*  
*1Jr. Kristen Brown & team*



Heat & Equity



Heat & Equity - Old San  
Francisco Steakhouse



# NATIONAL LEAGUE OF CITIES

Smart Surfaces Technical Assistance Program

## Baltimore Smart Surfaces Adoption: Target Scenario

20-year adoption period, analysis extends 10 years beyond adoption period

Roofing Targets				
Surface Kind	Cool Roofs	Bioswale-managed *	Green Roofs	Solar PV**
Low slope roofs	80%	20%	2%	40%
Steep slope roofs	20%	N/A	N/A	20%
<b>Adoption Timeframe</b>	20 years	20 years	20 years	20 years

Pavement Targets			
Surface Type	Reflective	Porous ***	Bioswale-managed*
Parking	50%	5%	20%
Streets	15%	N/A	0%
Sidewalk	0%	5%	0%
<b>Adoption Timeframe</b>	20 years	20 years	20 years

Urban Tree Canopy Targets	
Surface Kind	Tree Canopy
City Area (% of total)	40%
<b>Adoption Timeframe</b>	20 years



**Cooling Cities, Slowing Climate Change and Enhancing Equity:**  
Costs and Benefits of Smart Surfaces Adoption for Baltimore

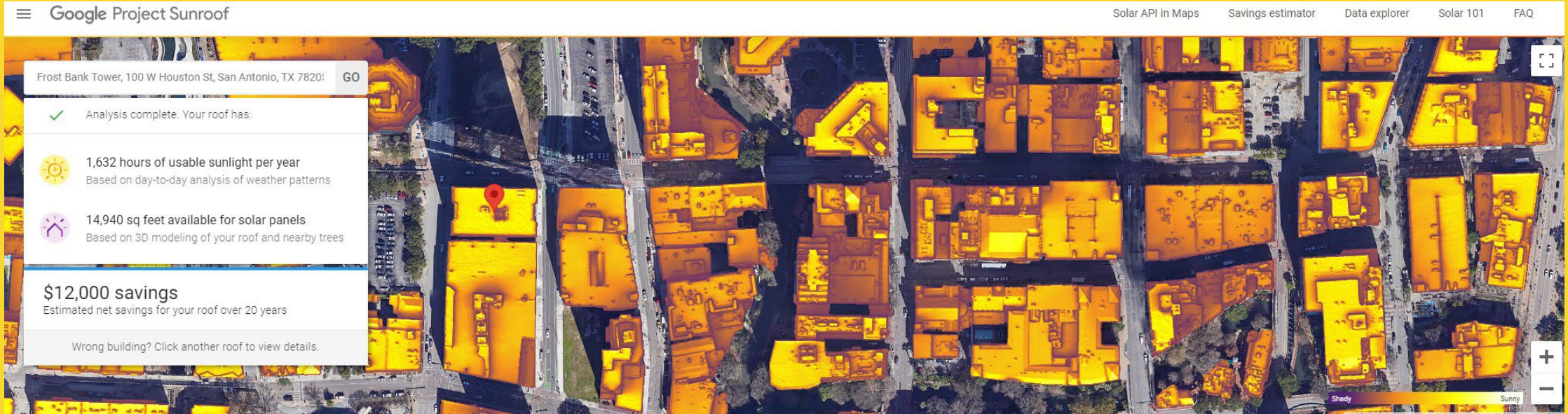
This broad, transformative strategy allows cities to become cooler, reduce contribution to climate change, advance equity, protect their economy, and become healthier and more livable.

[www.smartsurfacescoalition.org](http://www.smartsurfacescoalition.org)



# GOOGLE COOL ROOFS

*Smart Surfaces Technical Assistance Program*



- Similar to Project Sunroof, Google will be developing cool roof albedo maps
- City uses the Cool Roofs tool, reviews the data & identifies potential actions
- City implements at least 1 action

# NEXT STEPS

## *Cool Neighborhood Pilot*



Cool Roofs



Cool Pavement



Tree Canopy

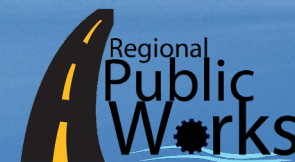


The background features a detailed architectural drawing of a building plan, overlaid with a semi-transparent red filter. Several hands are shown in various positions, some holding drafting tools like a pencil and a compass. The drawing includes various annotations such as 'BASIS 1:100', 'SECTION 1-1', and 'SECTION 1-2'. Dimensions and labels like 'MZ1', 'MZ2', 'MZ7', 'MZ8', 'MZ9', 'MZ10', 'MZ11', 'MZ12', 'MZ13', 'MZ14', 'MZ15', 'MZ16', 'MZ17', 'MZ18', 'MZ19', 'MZ20', 'MZ21', 'MZ22', 'MZ23', 'MZ24', 'MZ25', 'MZ26', 'MZ27', 'MZ28', 'MZ29', 'MZ30', 'MZ31', 'MZ32', 'MZ33', 'MZ34', 'MZ35', 'MZ36', 'MZ37', 'MZ38', 'MZ39', 'MZ40', 'MZ41', 'MZ42', 'MZ43', 'MZ44', 'MZ45', 'MZ46', 'MZ47', 'MZ48', 'MZ49', 'MZ50' are visible. The overall composition is professional and technical.

# THANK YOU

*Transportation & Public Works*

# Information Items



North Central Texas  
Council of Governments  
Environment & Development

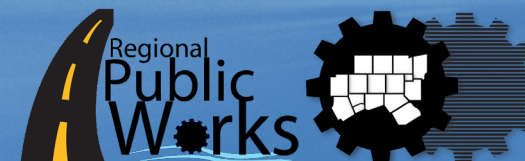
# 7. Other Program Activities

(Out of sequence due to speaker availability)

Texas Chapter of American Public Works Association

Update provided by:

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



North Central Texas  
Council of Governments  
Environment & Development

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



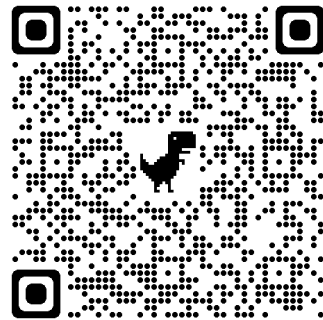
# YOUR LOCAL NORTH CENTRAL BRANCH

- The largest Branch in APWA (800+ members)
- Monthly board meetings
- Near-monthly events and activities
  - Luncheons
  - Educational Sessions
  - Roundtables (Directors, Operators, Inspectors, Management and Leadership, etc.)
  - Golf Tournament (Oct)
  - Road-eo (Fall)
  - Sporting Clay Tournament (Apr 19th)
  - Fishing Tournament
  - Young Professionals Events
  - Scholarship Opportunities
  - Student Membership Group (UTA)



# UPCOMING LOCAL EVENTS

- **December 19<sup>th</sup>** : General Membership Meeting / Annual Holiday Luncheon
  - Fundraiser for North Texas and Tarrant Area Food Banks
  - Contractor of the Year Award
  - Crosby Center, Carrollton
  - Registration now open!



# UPCOMING CHAPTER EVENT

- **February 5<sup>th</sup> -- 7<sup>th</sup>:** Texas Chapter Public Workshop
  - Tx-APWA Public Workshop —geared towards operators and field staff
  - Wichita Falls, TX-MPED Multi-Purpose Convention Center
  - PDH/CEU hours
  - State Rodeo Competition
  - New! Hydrant Frenzy
  - Registration open soon
  - <https://txapwaworkshop.net/>



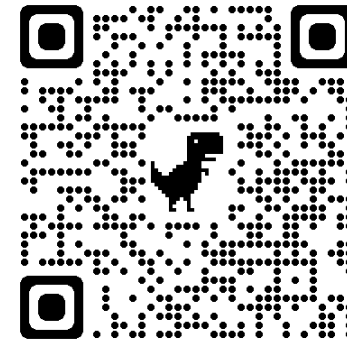
# MORE INFORMATION

<https://www.apwa.org>

<https://nct-apwa.com>

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

[kbarron@uptexas.org](mailto:kbarron@uptexas.org)



NCT Branch Website

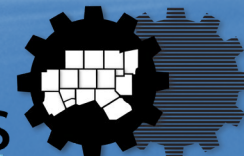
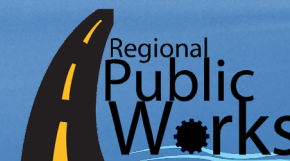




# 3. New Member Welcome

## PWC Bylaws

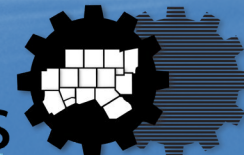
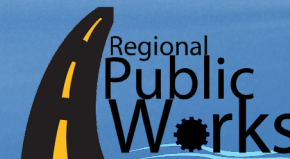
- NCTCOG Mission: Facilitate the delivery of innovative, cost-effective public works services to jurisdictions in the region
- PWC Purpose: Provide a forum for exchanging ideas and resources that address specific common needs
- PWC Membership/Qualifications
  - 22 seats for standing members
  - 16 seats for 16 subregions
  - 5 seats for private sector entities
  - Support and documented authorization of the member organization



# 3. New Member Welcome

## PWC Bylaws (Continued)

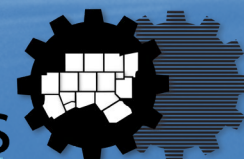
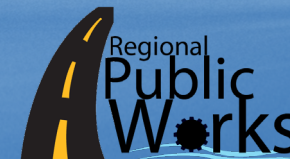
- Appointment Process/Terms of Office
  - ~Half of the PWC members are appointed/re-appointed each year
  - Term of appointment runs October 1 to September 30 of the second fiscal year
- Officer Duties
  - Chair presides at meetings
  - Chair has the authority to break a tie
  - Vice-Chair performs Chair's duties in his/her absence
  - If both absent, PWC members present will elect a Chair Pro-Temp



# 3. New Member Welcome

## PWC Bylaws (Continued)

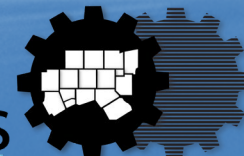
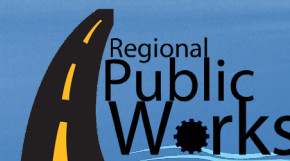
- Meetings
  - Meet once every quarter
  - Appointed PWC members or designated alternate may vote on action items
  - Combination of 11 or more PWC members constitutes a quorum
- Attendance/Vacancies
  - Members expected to attend meetings/participate in assigned subcommittees/activities
  - NCTCOG to contact inactive members requesting an active replacement
  - Attendance and participation evaluated during the reappointment process
  - NCTCOG will work with member communities to fill any vacancies



# 3. New Member Welcome

## PWC Bylaws (Continued)

- Annual Work Program/Budget
  - Regional activities guided by an Annual Work Program and supported through voluntary cost shares
  - Cost share calculation reviewed by the PWC at least every 5 years
  - Sponsorships are allowed at the discretion of the PWC
- Bylaws Guidance
  - Changes only made with a positive vote of 2/3 by the PWC membership or NCTCOG Executive Board
  - Bylaws reviewed by the PWC once every 5 years

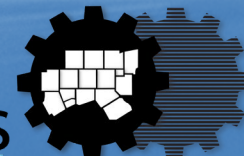
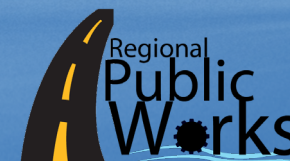


# 6. FY2024 Public Works Work Program Update

- Allen
- Arlington
- Aubrey
- Benbrook
- Cleburne
- Crandall
- Hudson
- Oaks
- Ponder

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

11% of budget received



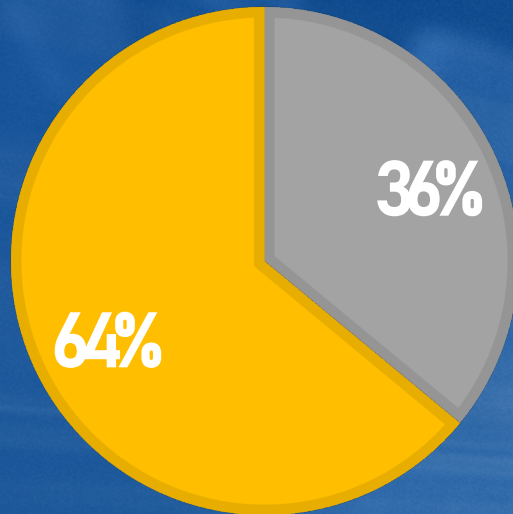
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# 6. FY2024 Public Works Work Program Update

## (FY23) Public Works Roundup Results

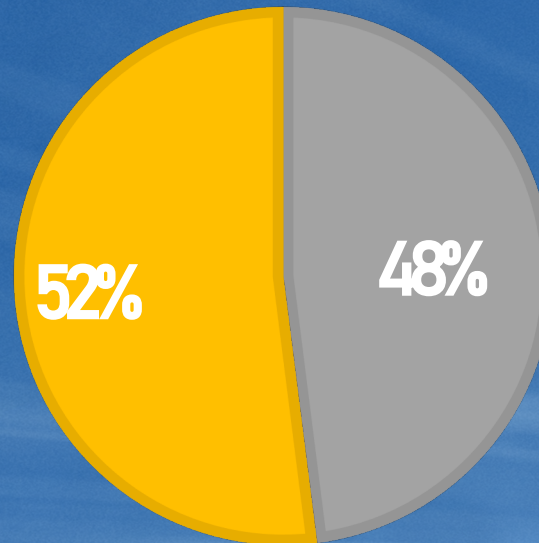
### OVERALL IMPRESSION

■ Poor ■ Fair ■ Good ■ Excellent



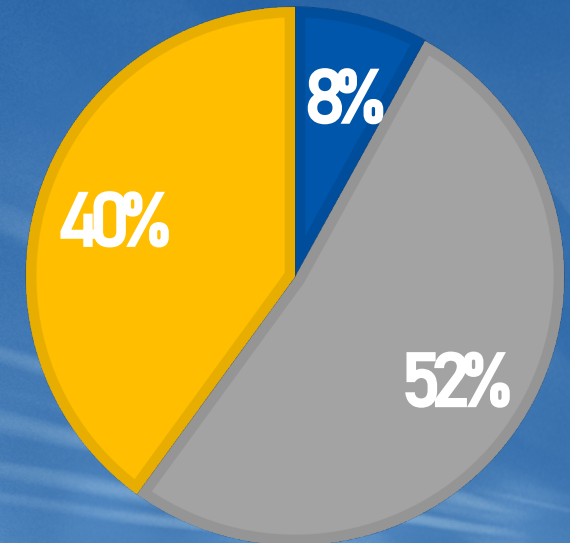
### USEFULNESS OF CONTENT

■ Poor ■ Fair ■ Good ■ Excellent



### SUBJECT ADDRESSED

■ Poor ■ Fair ■ Good ■ Excellent

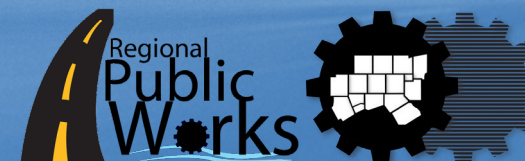


# 6. FY2023 Public Works Work Program Update

## (FY23) Public Works Roundup Results

The most useful part of the program...

- Presentations
- Legislative updates
- Networking
- Green infrastructure
- Understanding of the various street resurfacing types
- Challenges in recruiting
- Learning the effects on a community through the work done by Civil Engineers

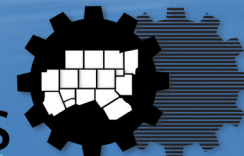
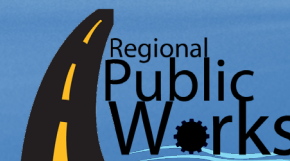


# 6. FY2023 Public Works Work Program Update

## (FY23) Public Works Roundup Results

I would add or change..

- SPROW topics
- 30-45 minute session to meet other attendees
- Adding water quality and pumping
- Cluster tables
- More involvement with schools
- Break into the 2 groups sooner
- Review speaker's presentation before they present



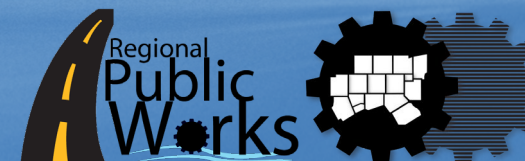
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# 6. FY2023 Public Works Work Program Update (FY23) Public Works Roundup Results

What other topics would you like to see at future events?

- How cities conduct plan reviews and approvals
- Railroads and highways
- Project management tools
- Combine with the Tx-APWA one day event
- Conflict resolution for communication
- Salary negotiation
- Municipalities leveraging new technologies

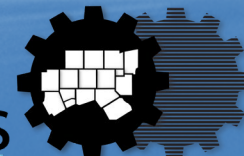
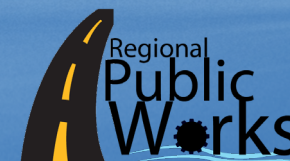
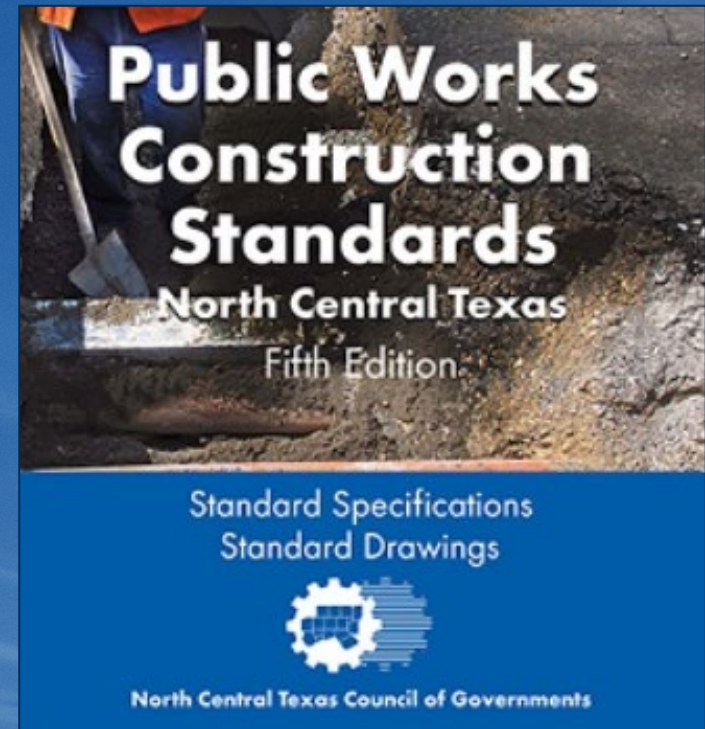


# 6. FY2024 Public Works Work Program Update

Standard Drawings Subcommittee

Update provided by:

Chris Cha, Subcommittee Chair



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# 6. FY2024 Public Works Work Program Update

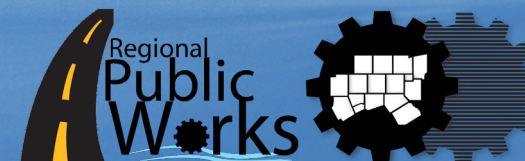
## Sustainable Public Rights of Way Subcommittee



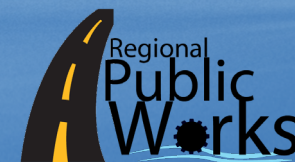
# 6. FY2024 Public Works Work Program Update

## iSWM Subcommittee

- Next Meeting: January 17, 2024
- NCTCOG Staff & Halff Associates have been developing preliminary material for project deliverables:
  - iSWM BMP Training (Development Submittal & Review)
  - Panel Discussion on iSWM Implementation
  - iSWM Promotional Presentations
  - Research on cumulative stormwater impacts of small footprint developments



# Other Program Activities



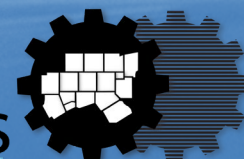
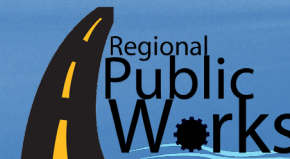
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# 7. Other Program Activities

## Cooperative Technical Partnership Program

East Fork Activities	Start Date	End Date	% Complete
Terrain Data Capture	2/2022	6/2022	99%
Field Surveys	7/2022	11/2022	98%
Hydrologic Data	8/2022	9/2023	79%
Hydraulic Data	8/2022	9/2023	74%
Floodplain Mapping	2/2023	1/2024	3%
Flood Risk Review Meeting	7/2023	9/2023	6%
Flood Resilience Meeting	3/2024	5/2024	0%
Flood Risk Products	1/2024	6/2024	0%
<b>Total Project Percent Complete</b>			<b>56%</b>

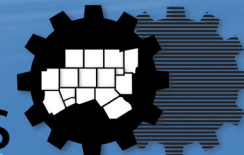
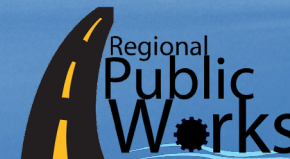
Hbg Branch Activities	Start Date	End Date	% Complete
Terrain Data Capture	4/2022	5/2022	96%
Field Surveys	5/2022	8/2023	96%
Hydrologic Data	8/2022	9/2023	99%
Hydraulic Data	8/2022	9/2023	99%
Floodplain Mapping	7/2023	1/2024	43%
Flood Risk Review Meeting	1/2024	1/2023	0%
Flood Resilience Meeting	3/2024	3/2024	0%
Flood Risk Products	1/2024	3/2024	0%
<b>Total Project Percent Complete</b>			<b>74%</b>



# 7. Other Program Activities

## Community Rating System Users Group:

- Floodplain Seminar for Elected Officials and Municipal Staff held October 19, 2023
- 56 attendees, including 10 Elected Officials
- Presentations posted to:  
<https://www.nctcog.org/envir/watershed-management/crs-user-group>
- Next Meeting: TDB

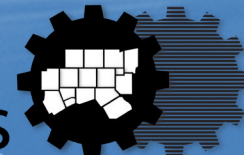
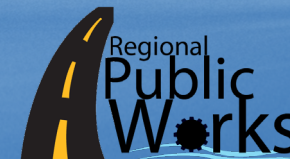


# 7. Other Program Activities

## Public Works Emergency Response Team

Update provided by:

Clay Riggs, PWERT Chairperson

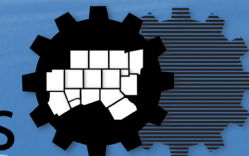
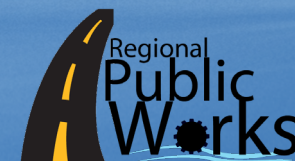


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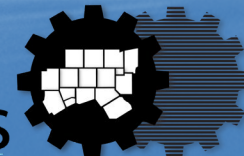
# 8. Future Agenda Items

Council Members and NCTCOG staff may suggest future agenda items



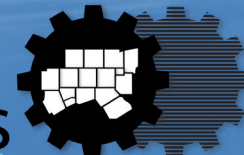
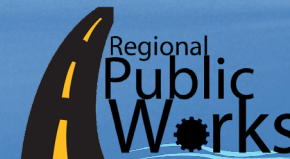
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# 9. Roundtable Discussion



# 10. Next Meeting

- Next PWC Meeting: February 15, 2023 at 9:30 a.m. (in person, NCTCOG offices)
- All FY24 meetings have been scheduled:  
<https://www.nctcog.org/envir/Events>
  - May 16, 2024
  - August 15, 2024
- More information: <https://www.nctcog.org/envir/committees/public-works-council>



# Upcoming *In-Person* SW3P Courses

Classes held at NCTCOG in Arlington, TX

**\$80  
EACH**

## SW3P for Plan Reviewers

December 19, 2023  
(8:30 am -12:30pm)

April 2, 2024  
(8:30 am -12:30pm)

## SW3P for Field Inspectors

December 20, 2023  
(8:30 am -12:30pm)

April 3, 2024  
(8:30 am -12:30pm)

**NCTCOG Contact: [northtexasdi@nctcog.org](mailto:northtexasdi@nctcog.org)**

# DALLAS-FORT WORTH AIR QUALITY IMPROVEMENT PLAN



The North Central Texas Council of Governments is collaborating with local stakeholders in the Dallas-Fort Worth region to develop a comprehensive Air Quality Improvement Plan (DFW AQIP). The plan will create a roadmap to improve air quality, protect public health, and reduce the impacts of extreme weather events.

Your input is requested and important! Please go to [www.publicinput.com/dfwAQIP](http://www.publicinput.com/dfwAQIP) to make recommendations, attend an open house, and more.

## FOCUS AREAS:



Transportation



Energy



Solid Waste



Water

This work is funded by the Environmental Protection Agency's Climate Pollution Reduction Grants: Planning Grants.

# Contact & Connect

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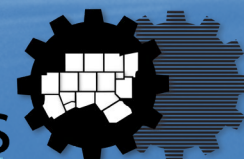
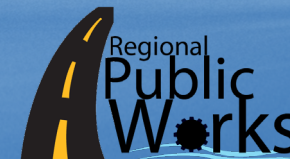
[@nctcogenv](https://www.instagram.com/nctcogenv)



[youtube.com/user/nctcoged](https://youtube.com/user/nctcoged)



[EandD@nctcog.org](mailto:EandD@nctcog.org)



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