

REQUEST FOR AGENDA PLACEMENT FORM

Submission Deadline - Tuesday, 12:00 PM before Court Dates

SUBMITTED BY: CJO

TODAY'S DATE: 06/07/2022

DEPARTMENT: CJO

SIGNATURE OF DEPARTMENT HEAD: _____

REQUESTED AGENDA DATE: 06/13/2022

SPECIFIC AGENDA WORDING:

Presentation of Johnson County Thoroughfare Plan by Freese & Nichols

COMMISSIONERS COURT

JUN 13 2022

Presented

PERSON(S) TO PRESENT ITEM:

Stan Lynch Associate/Account Director & Eddie Haas

SUPPORT MATERIAL: (Must enclose supporting documentation)

TIME: 20 minutes
(Anticipated number of minutes needed to discuss item)

ACTION ITEM:
WORKSHOP:
CONSENT:
EXECUTIVE:

STAFF NOTICE:

COUNTY ATTORNEY:

IT DEPARTMENT:

AUDITOR:

PURCHASING DEPARTMENT:

PERSONNEL:

PUBLIC WORKS:

BUDGET COORDINATOR:

OTHER:

This Section to be completed by County Judge's Office

ASSIGNED AGENDA DATE: _____

REQUEST RECEIVED BY COUNTY JUDGE'S OFFICE:

COURT MEMBER APPROVAL:

DATE:

Paula G. Reid

Subject: FW: Presentation

From: Travis Kelly <Travis.Kelly@freese.com>
Sent: Tuesday, June 7, 2022 2:10 PM
To: Paula G. Reid <paular@johnsoncountytexas.org>
Cc: Stanford Lynch <swl@freese.com>; Eddie Haas <eh@freese.com>
Subject: RE: Presentation

*** External sender - use caution with links or attachments ***

Paula,

Eddie and Stan will discuss the components and benefits of a county thoroughfare plan for Johnson County. They will discuss Freese and Nichols' expertise in preparing these plans, but their focus will be on Johnson County.

Stan Lynch is an Account Director and County Practice Leader for Freese and Nichols.

Eddie Haas is a Vice President and Transportation Planning Manager at Freese and Nichols.

We will plan on being there in plenty of time to make sure you have the flash drive and anything else you need. Please let me know if this helps or if you have any additional questions.

Thank you again,

Travis



PLANNING TOOLS FOR GROWTH JOHNSON COUNTY

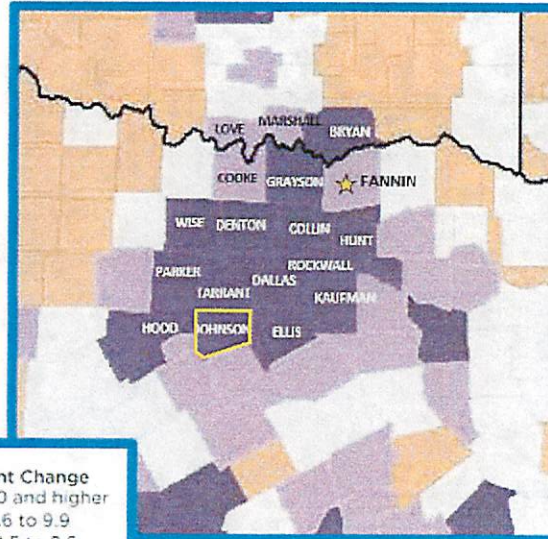
June 13, 2022 | Johnson County Commissioners Court

GROWTH IS COMING

Three of the top 10 counties in the Nation with the largest population gains were in North Texas

- #5 Tarrant
- #8 Dallas
- #9 Collin

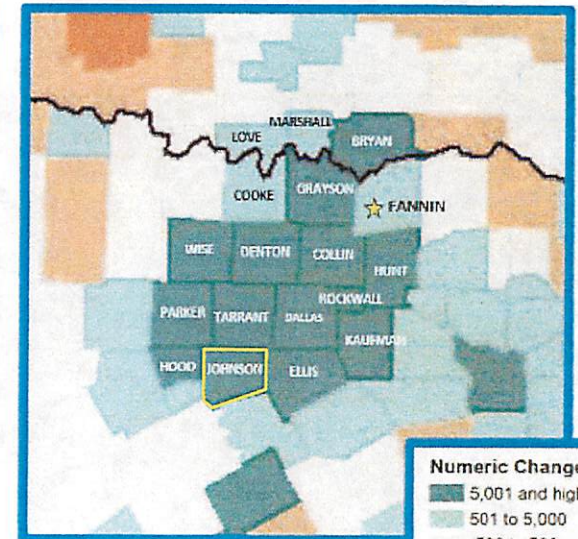
PERCENT POPULATION CHANGE BY COUNTY 2010-2019



Percent Change
 10 and higher
 2.6 to 9.9
 -2.5 to 2.5
 -9.9 to -2.6
 -10 and lower

Source: US Census Bureau 2010-2019 Population Estimates

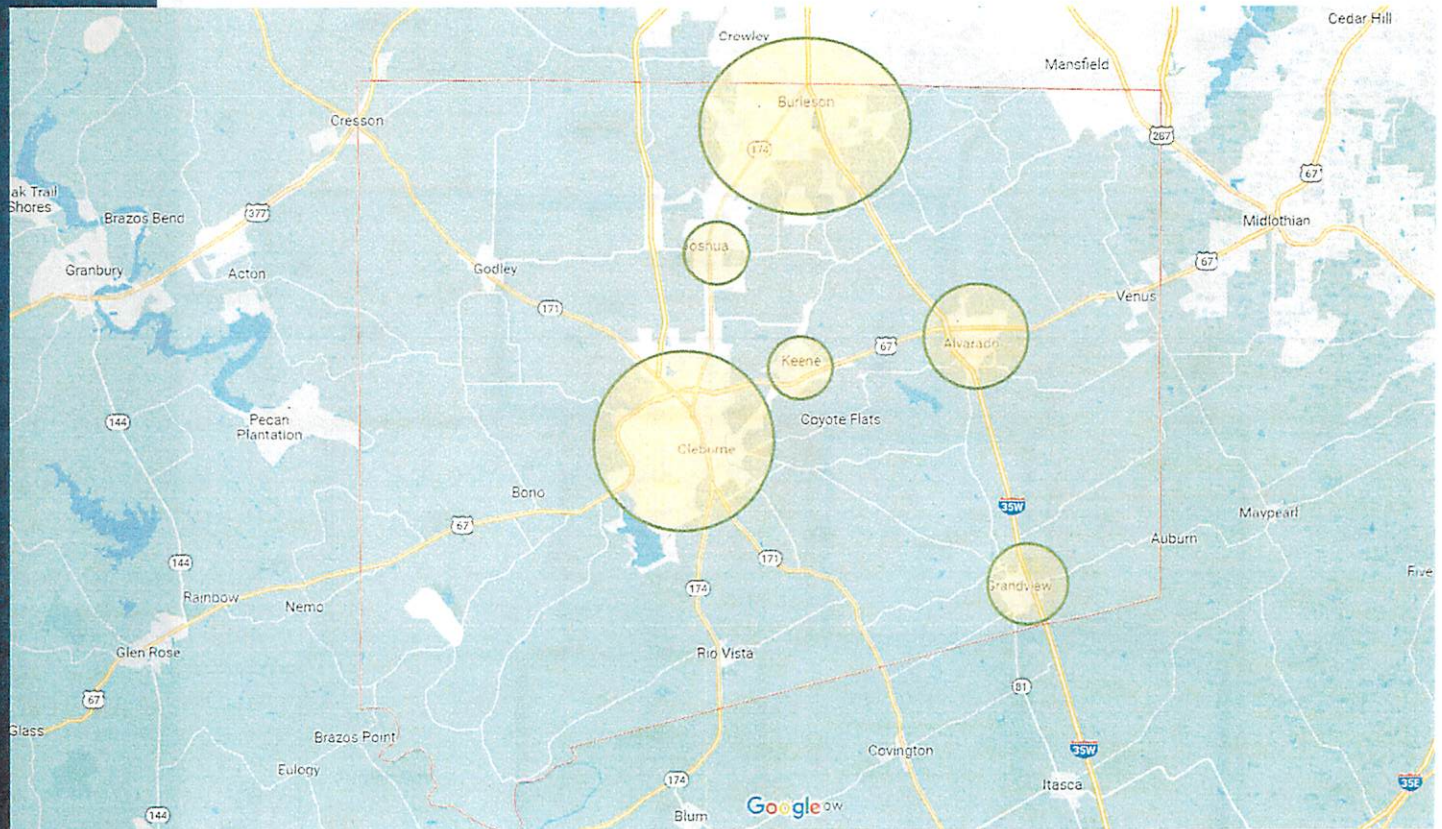
NUMERIC POPULATION CHANGE BY COUNTY 2010-2019



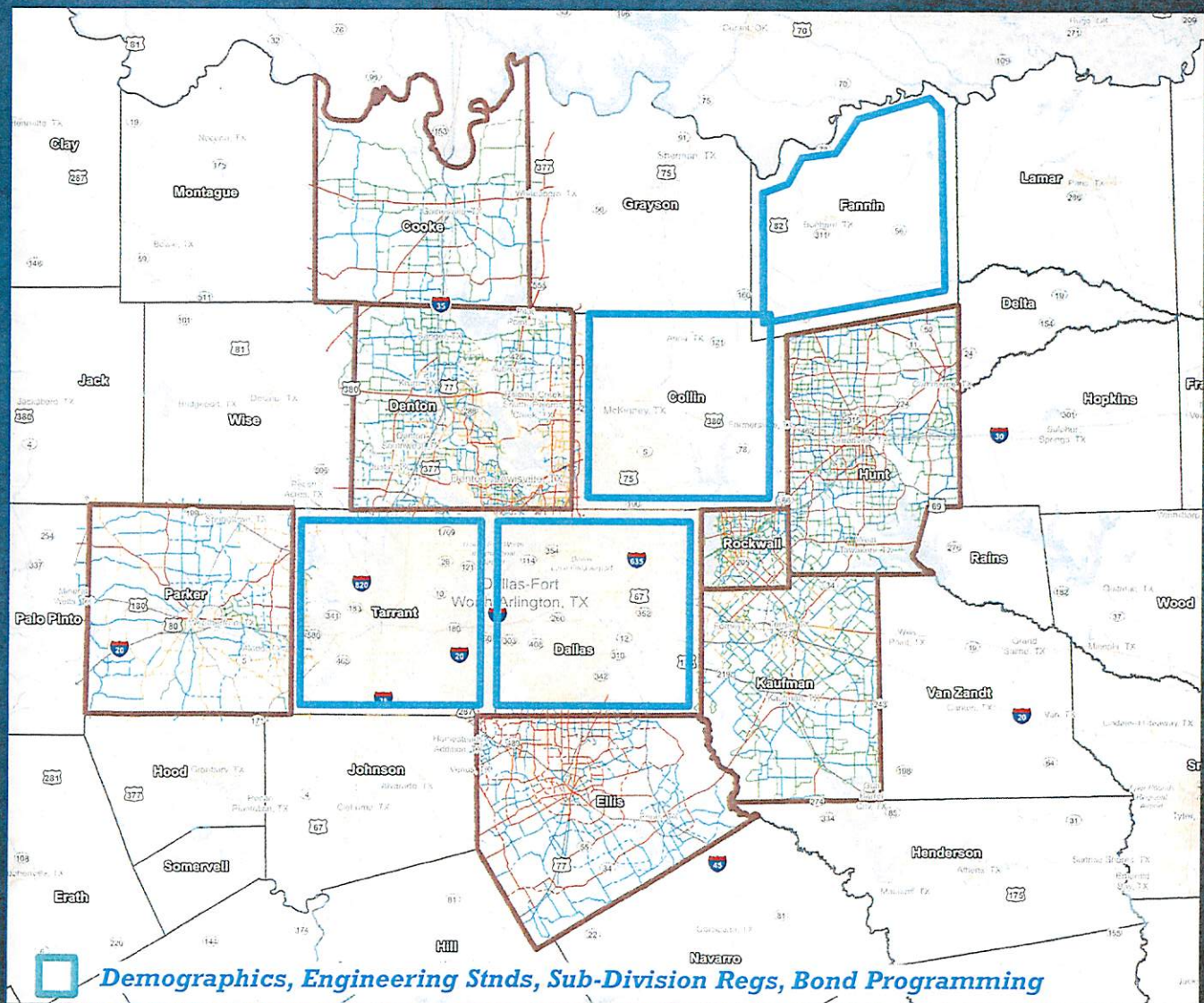
Numeric Change
 5,001 and higher
 501 to 5,000
 -500 to 500
 -2,500 to -501
 -2,501 and lower

Source: US Census Bureau 2010-2019 Population Estimates

RECENT JOHNSON COUNTY WORK



RECENT COUNTY THOROUGHFARE PLANNING EXPERIENCE



**Engineering & Drainage
Subdivision Regulations &**

TOOLS FOR ADDRESSING GROWTH



➤ Thoroughfare Planning



➤ Engineering & Drainage Design Standards



➤ Subdivision Regulations & Platting Process



➤ Transportation Bond Program Leveraging

THOROUGHFARE PLANNING & BENEFITS



Acts as a **guide** for key decision-makers



Establishes a **framework** for long-term mobility, system connectivity, and growth



Creates a mechanism to **preserve alignments/rights-of-way** for future network development



Identifies **near and long-term** mobility needs



Evaluates current **design standards** and identifies enhancement opportunities



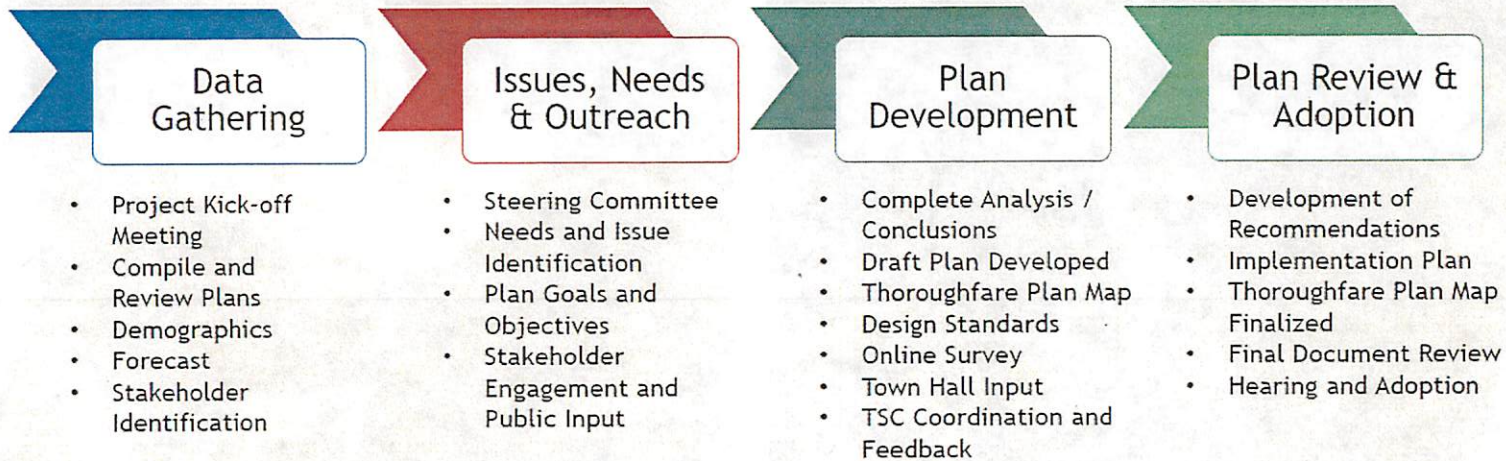
Facilitates coordinates with cities/agencies on County-wide issues



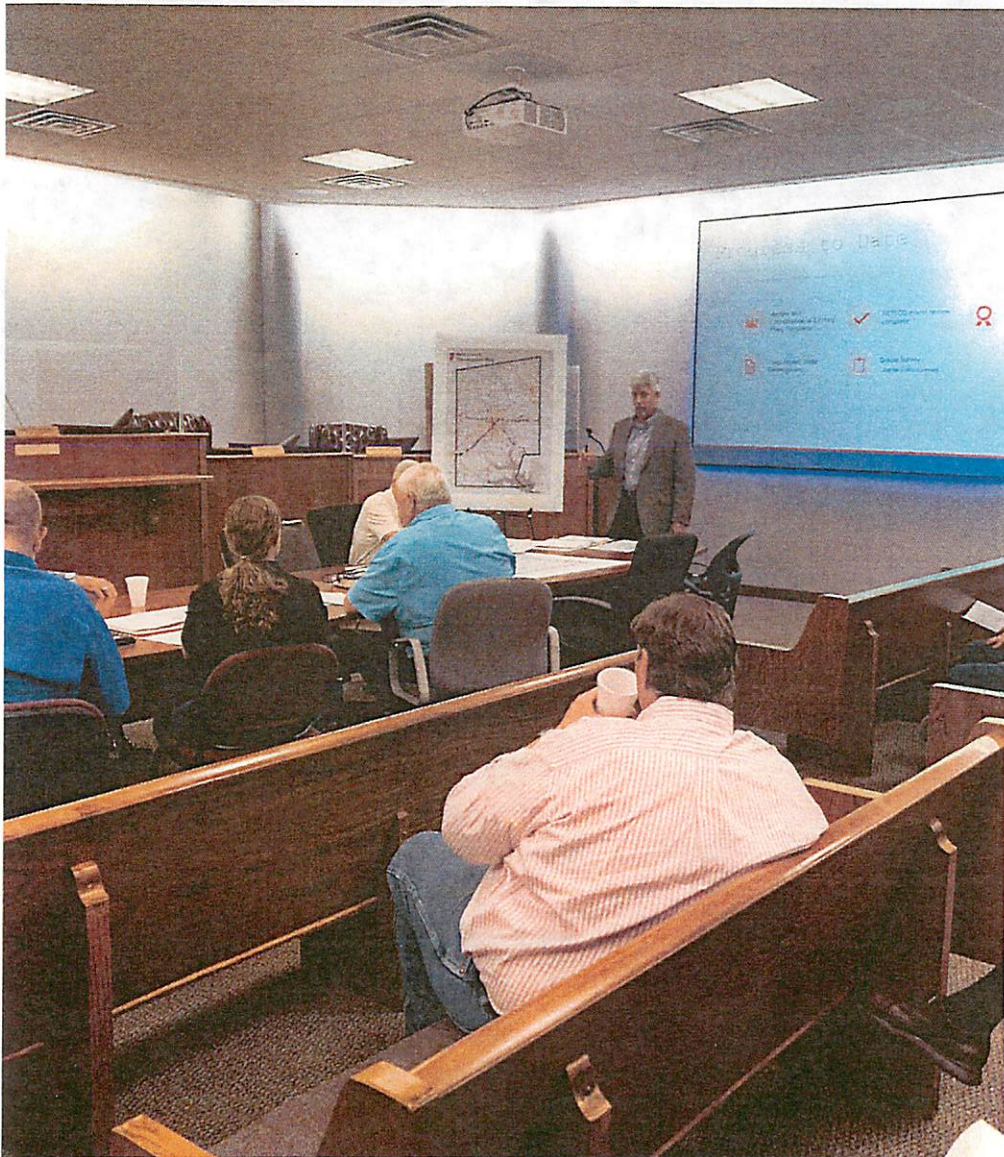
Serves as a **policy document to inform the public**, development community



Facilitates **Capital Program development** and guides funding strategies



PLANNING ELEMENTS



CREATION OF TRANSPORTATION STEERING COMMITTEE

- W.D. "Dee" Hilton Jr. (Chair)
 - Judge Bobby Stovall (Hunt County Judge)
 - Randy Tarpley (Tarpley Agencies)
 - James Grove Sr. (Senior Director, L3 Harris)
 - Summer Spurlock (City Manager, Greenville)
 - Greg Sims (President, Greenville Board of Development)
 - Paul Voss (Executive Director, Commerce Chamber)
 - Howdy Lisenbee (City Manager, Commerce)
 - Carl Alsabrook (City Manager, Royse City)
 - Matt McMahan (City Manager, Caddo Mills)
 - John Adel (City Manager, Quinlan)
-
- County Judge Stovall
 - City Leadership
 - Chambers of Commerce
 - ISDs

PUBLIC ENGAGEMENT

- Stakeholder Interviews
(February - March 2021)
- Online Survey
(May - June 2021)
- Town Hall Meetings
(July 2021)
- Commissioners Court Review
(October 2021)
- Public Hearing
(January 2022)



Source: Herald-Banner, Brad Keller, July 22, 2022



WE WANT YOUR INPUT!

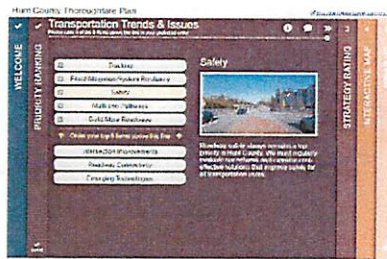
Growth is coming to Hunt County! In order to manage increases in new residents and jobs, Hunt County is updating its thoroughfare plan and we need your input!

Please be a part of the important process by completing a short survey to identify where **new roadways**, **intersection improvements**, and **safety enhancements** are needed.

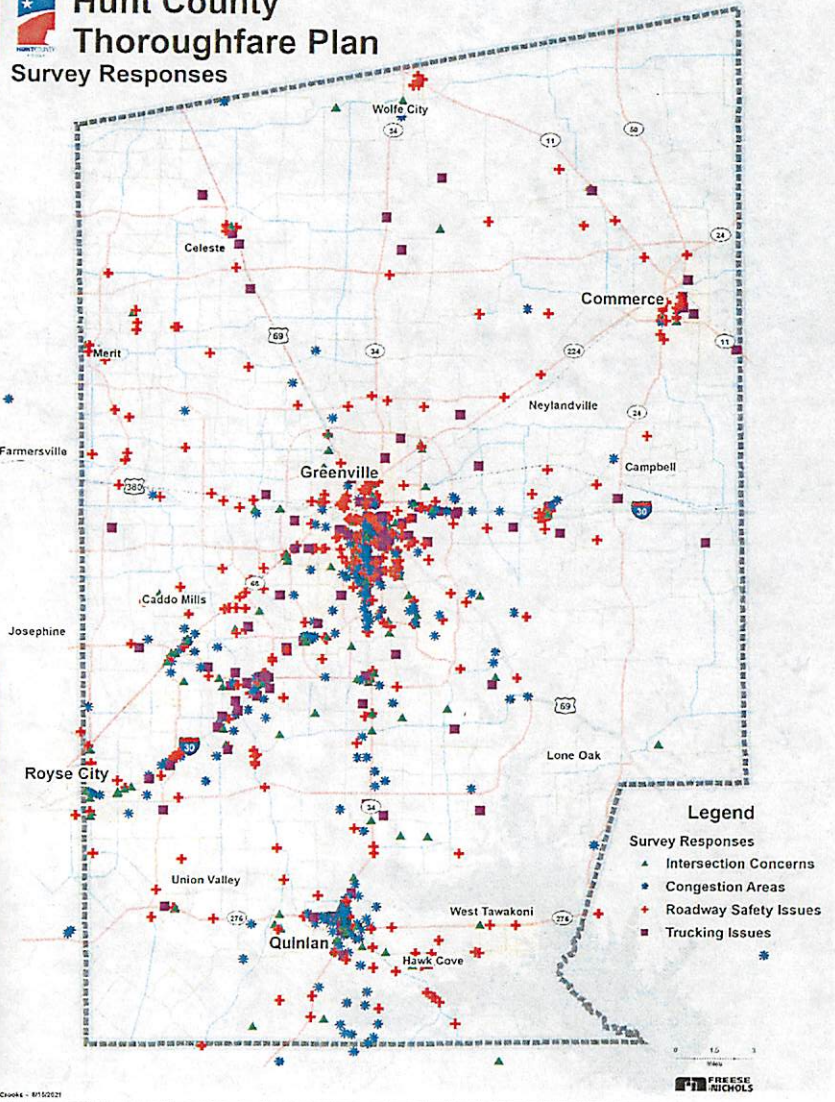
Visit <http://transportation.survey.com/2672> or scan the code below to take the survey. It should take less than 10 minutes!



The survey will be available through June 6, 2021.

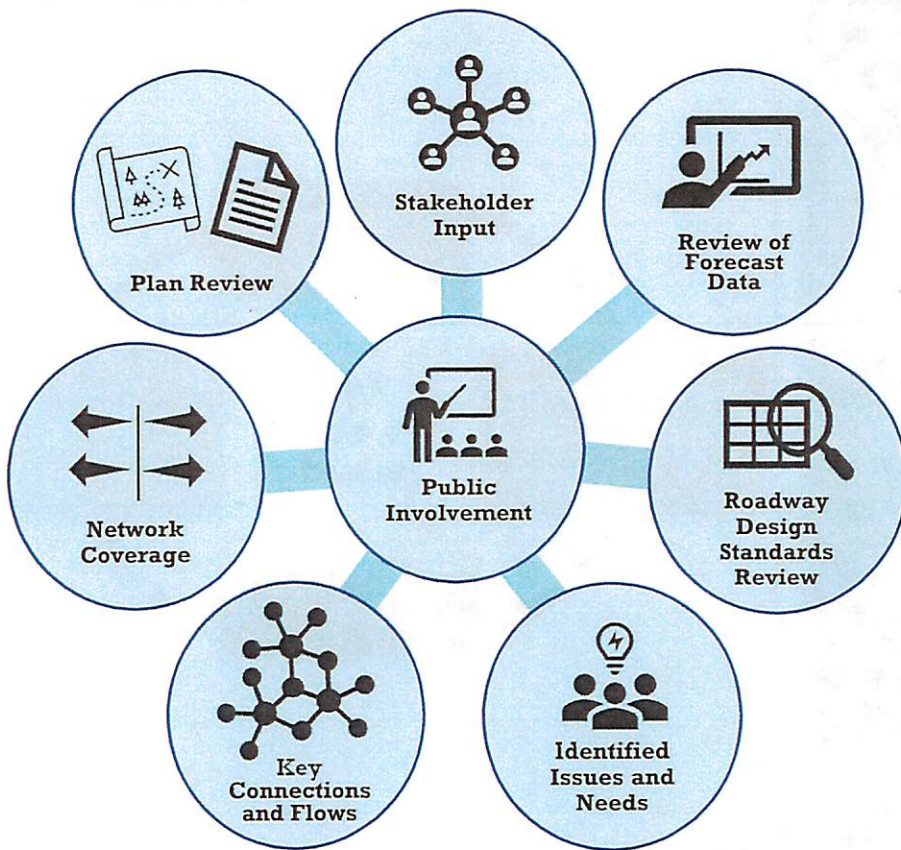


Hunt County Thoroughfare Plan Survey Responses



- Legend**
- ▲ Intersection Concerns
 - Congestion Areas
 - ✚ Roadway Safety Issues
 - Trucking Issues

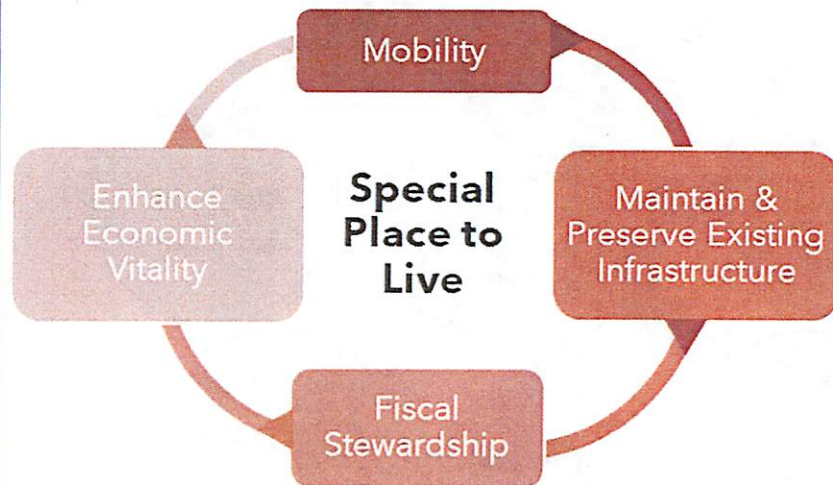
ONLINE SUR



PLAN DEVELOPMENT

PLAN VISION STATEMENT

Hunt County will feature a system of thoroughfares and corridors that promotes multi-modal mobility, connectivity, and safety; maintains and improves our existing infrastructure; supports future growth; and leverages economic benefit to sustain its long-term viability in a fiscally responsible manner. Together, these ideals will help promote Hunt County as a special place to live.





SAMPLE PLAN GOALS



GOAL 1: MOBILITY & SAFETY

Provide a transportation system that will effectively serve the existing and projected travel needs of Johnson County in a safe and efficient manner.



GOAL 2: PRESERVATION AND MAINTENANCE OF EXISTING INFRASTRUCTURE

Maintain and preserve existing transportation infrastructure to provide stability for system capacity, storm water control, improved congestion levels, and improved roadway safety.



GOAL 3: FISCAL STEWARDSHIP

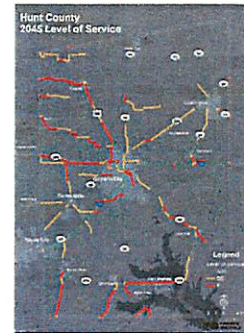
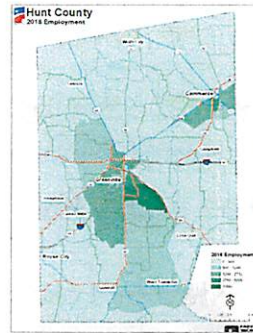
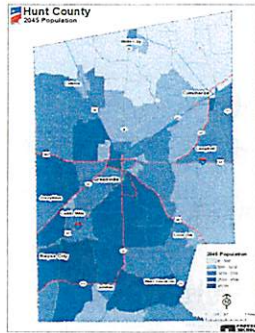
Optimize the use of Johnson County funds and leverage additional funding for strategic implementation of transportation improvements to maximize public return on investment in transportation infrastructure and operation.



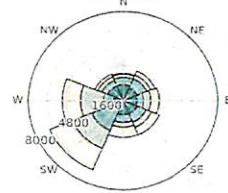
GOAL 4: ENHANCE ECONOMIC VITALITY

Invest in transportation improvements that support the economic vitality of Johnson County.

DATA COLLECTION AND ANALYSIS

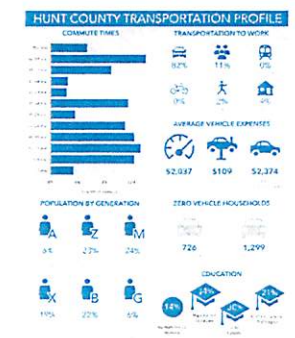
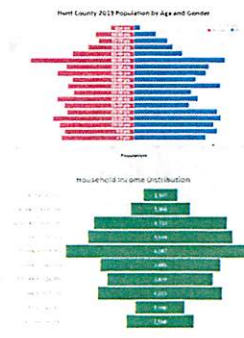
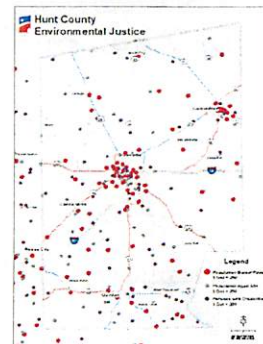
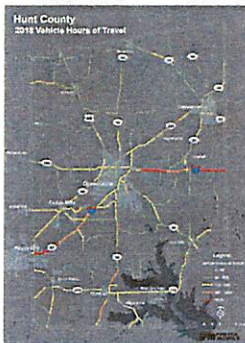
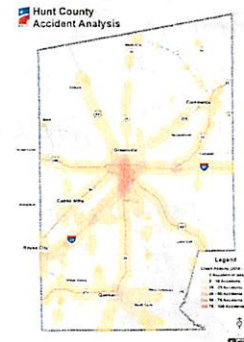
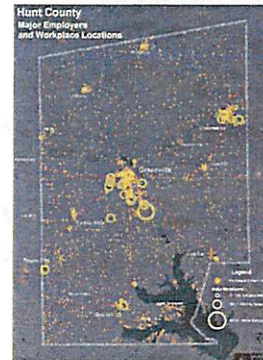


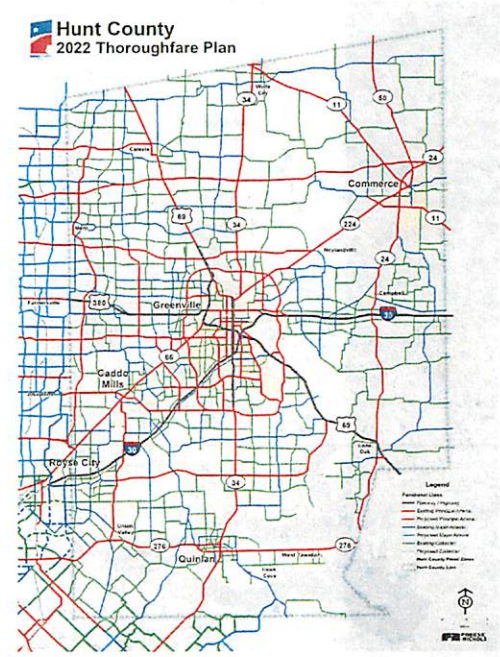
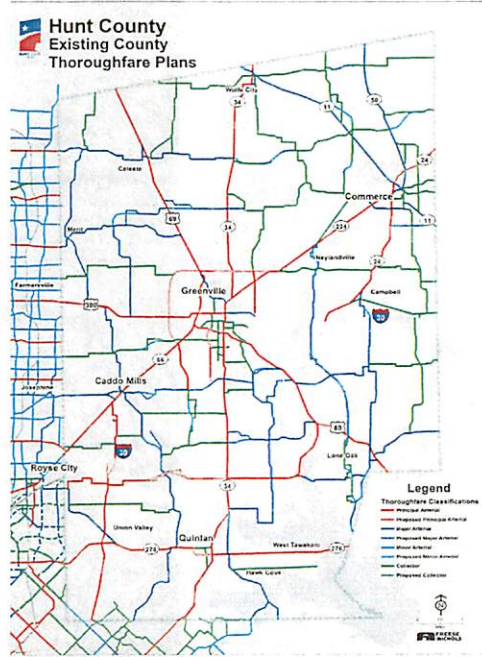
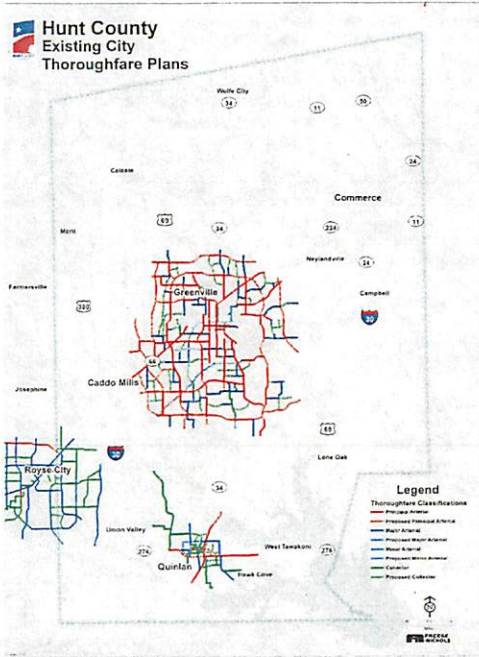
Job Counts by Distance/Direction in 2018
All Workers



Jobs by Distance - Work Census Block to Home Census Block

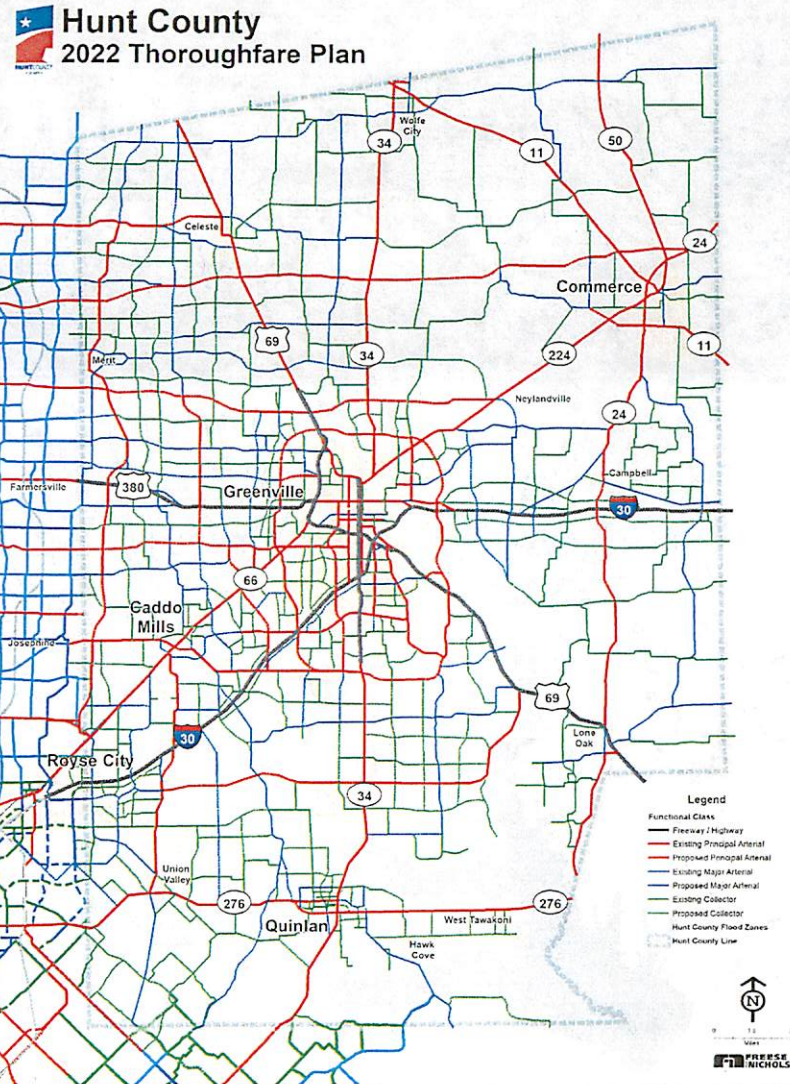
Distance	Count	Share
Total All Jobs	29,429	100.0%
Less than 10 miles	2,553	8.7%
10 to 24 miles	7,163	24.3%
25 to 50 miles	8,249	28.0%
Greater than 50 miles	6,649	22.6%



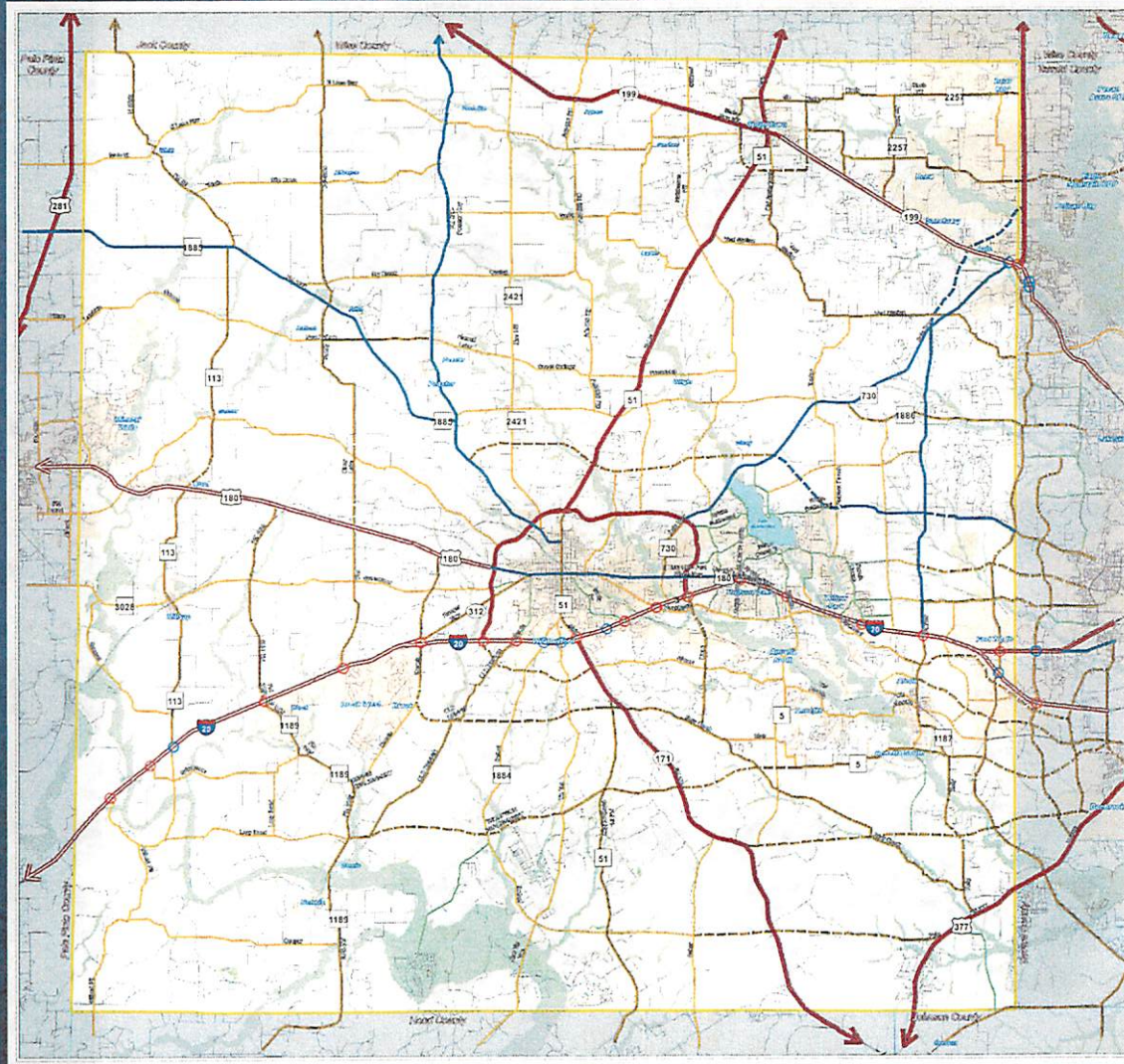


THOROUGHFARE PLAN DEVELOPMENT

THOROUGHFARE PLAN



THOROUGHFARE PLAN



Parker County Thoroughfare Plan



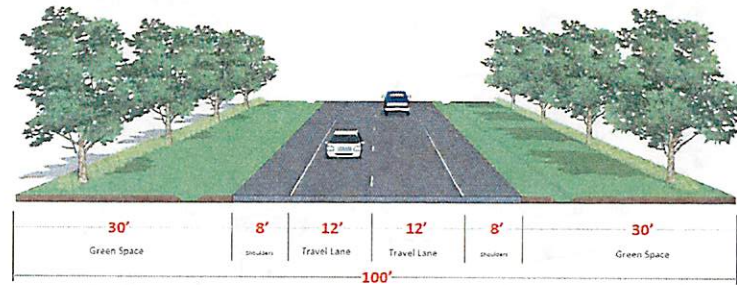
Parker County Thoroughfare Alignments

- Road Types**
- Freeway
 - Highway
 - Principal Arterial 4 to 6 Lane Divided (100' to 120' ROW)
 - Minor Arterial 4 to 6 Lane Divided (100' to 120' ROW)
 - Minor Arterial 2 to 4 Lane (80' to 100')
 - Collector 2 to 3 Lane (60' to 80' ROW)
 - Interchange
 - Grade Separation
 - Parker County
 - Area City Limits
 - 1-Percent Flood Risk Zones (FEMA)

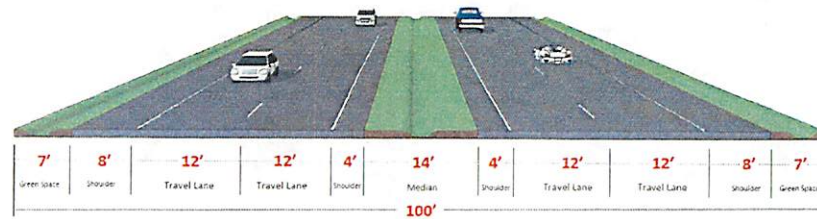


PREPARED BY: FRESSE NICHOLS, INC. 1000 WEST 10TH AVENUE, SUITE 100, DENVER, CO 80202
 PHONE: (303) 733-1100 FAX: (303) 733-1101
 WWW.FRESSE-NICHOLS.COM

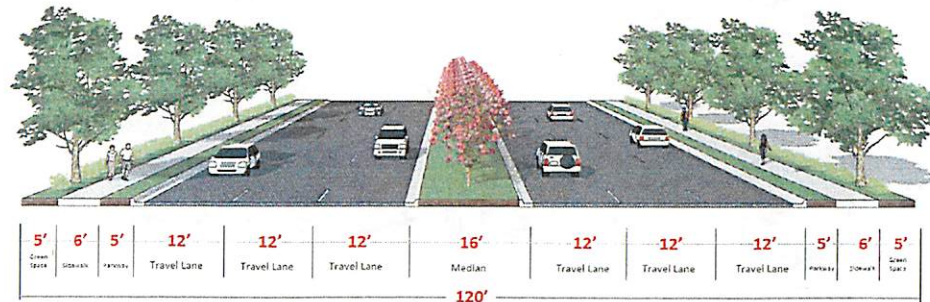
THOROUGHFARE DESIGN STANDARDS



Rural Minor Arterial – 2 Lane, 100' ROW, 12' Lanes



Rural Major Arterial – 4 Lane, 100' ROW, 12' Lanes w/ 14' Median



Urban Principal Arterial – 6 Lanes, 120' ROW, 12' Lanes w/ 16' Median

THOROUGHFARE DESIGN STANDARDS

Roadway Class	Area Type	Lanes	Min ROW (feet)	Roadway Pavement (feet)	Median (feet) (Flush/Raised)	Shoulders (feet) (Inside / Outside)	Sidewalk (feet)	Design Speed (mph)	On Street Parking
Principal Arterial	Rural	6	120'	2 @ 36'	16'/20'	4-8'/8-10'	Optional	45	No
Arterials	Rural	4 (major)	100'	2 @ 24'	14'/16'	4-8'/8-10'	Optional	45	No
		2 (minor)	100'	24'	No	8-10'	Optional	40	*Optional
Collectors	Rural	2	80'	24'	No	6-8'	Optional	35	*Optional
Local Roads	Rural	2	60'	28'	No	4'	Optional	35	*Optional

*Parking on shoulders may be permitted. Medians may include left turn bays at intersections and openings for local access. **Note that the assumption is that minor arterials will be upgraded to major arterials as justified by travel demand.

Roadway Class	Area Type	Lanes	Min ROW (feet)	Roadway Pavement (feet)	Median (feet) (Flush/Raised)	Shoulders (feet) (Inside / Outside)	Sidewalk (feet)	Design Speed (mph)	On Street Parking
Principal Arterial	Urban	6	120'	2 @ 36'	16'/20'	-	Buffered Pathway	45	No
Major Arterials	Urban	4	100'	2 @ 24'	14'/16'	-	6-8'	45	No
Collectors	Urban	4	80'	48'	No	-	5-6'	35	Optional
Local Roads	Urban	2	60'	28'	No	-	5'	30	Yes

*Medians may include left turn bays at intersections and openings for local access.

PLAN RECOMMENDATIONS

Existing Short-Term Projects

ID	Roadway	From	To	Improvement
E1	FM 1570	IH-30	SH 34	Widen from 2 to 4 lane divided arterial
E2	FM 1570	IH-30	SH 66	Widen from 2 to 4 lane divided arterial
E3	FM 2642	FM 35	SH 66	Widen from 2 to 4 lane divided urban arterial w/ sidewalks
E4	SH 276	West of FM 36	SH 34	Construct new 4 lane facility with continuous left turn lanes
E5	IH 30	FM 2642	FM 1570	Widen to a 6 lane freeway
E6	IH 30	FM 1570	Hunt C/L	Widen to a 6 lane freeway
E7	FM 1903 / FM 36	IH-30	SH 66	Widen to a 5 lane arterial

New Short Term Projects

ID	Roadway	From	To	Improvement
N1	CR 2730	US 380	SH 66	Complete as a 2 lane rural arterial
N2	FM 6	Hunt C/L	FM 36	Complete as 6 lane rural principal arterial
N3	FM 1903	IH-30	SH 34	Complete as 4 lane urban arterial
N4	FM 1565	SH 66	SH 276	Complete as 4 lane urban arterial
N5	FM 36	FM 1903	SH 276	Complete as a 2+4 lane rural arterial
N6	CR 2512 / 2514 / 2596 / 2264 / 3504	CR 2511	FM 2101	Complete as a 2 lane rural arterial
N7	FM 513	SH 24	US 69	Complete as a 2 lane rural arterial
N8	CR 2648	IH-30	CR 2658	Complete as a 2 lane urban / rural arterial

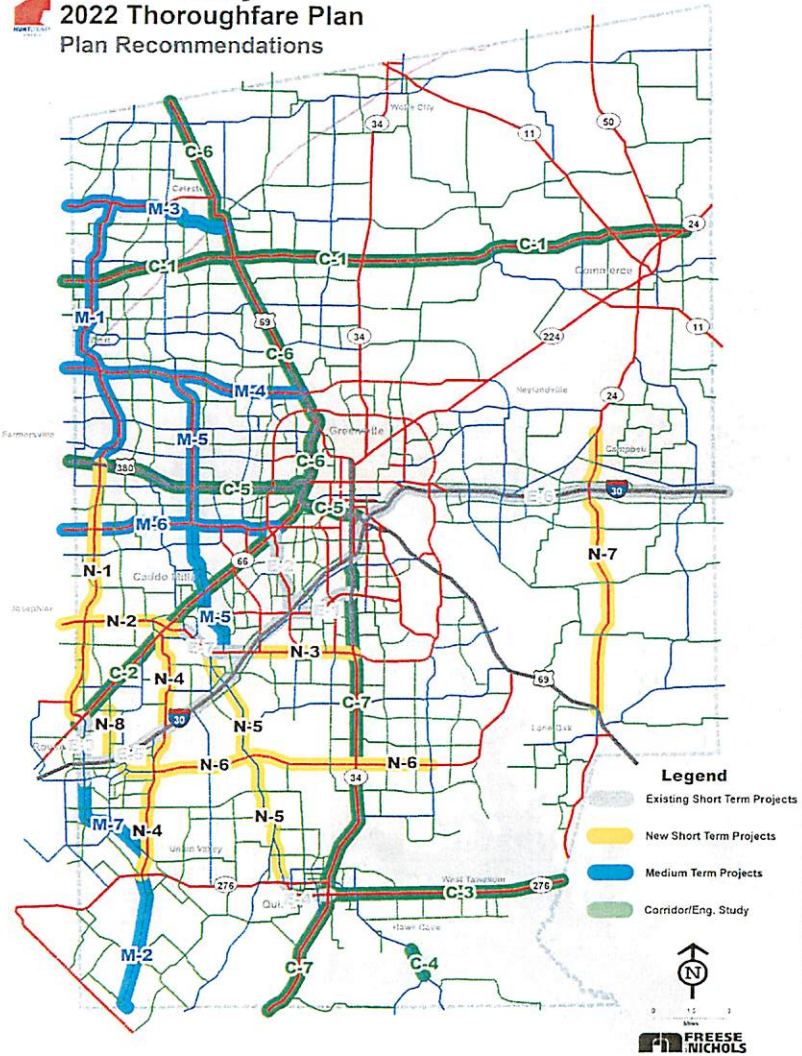
Medium Term Projects

ID	Roadway	From	To	Improvement
M1	FM 36	FM 1562	US 380	Complete as a 2 lane rural arterial
M2	FM 1565	SH 276	Hunt C/L	Complete as a 4 lane rural arterial
M3	FM 1562	Hunt C/L	US 69	Complete as a 4 lane rural arterial
M4	FM 1569 / CR 1071	Hunt C/L	US 69	Complete as a 2 lane rural arterial
M5	FM 903	FM 1569	FM 1903	Complete as a 2 lane rural arterial
M6	CR 696 / 2727 / 2152 / 2148 / FM 3211	Hunt C/L	SH 66	Complete as a 2 lane rural - 4 lane urban arterial
M7	FM 35	FM 2642	FM 1565	Complete as a 2 to 4 lane rural arterial

Corridor Studies

ID	Roadway	From	To	Type	Status
C1	CR 1096 / 1040 / 4518 / 4508 / 4509 / 8089	Hunt C/L	SH 24 in Commerce	Corridor Study	Proposed
C2	SH 66	Hunt C/L	US 69	Corridor Study	Current
C3	SH 276	SH 34	Hunt C/L	Corridor Study	Proposed
C4	FM 751	Shawnee Lane	FM 429	Engineering Study (Flooding)	Proposed
C5	US 380 / US 69	Hunt C/L	IH-30	Corridor Study	Proposed
C6	US 69	US 380	Hunt C/L	Corridor Study	Proposed
C7	SH 34	IH-30	CR 2312	Feasibility Study	Current

Hunt County 2022 Thoroughfare Plan Plan Recommendations



PLAN RECOMMENDATIONS

Existing Grade Separation Projects

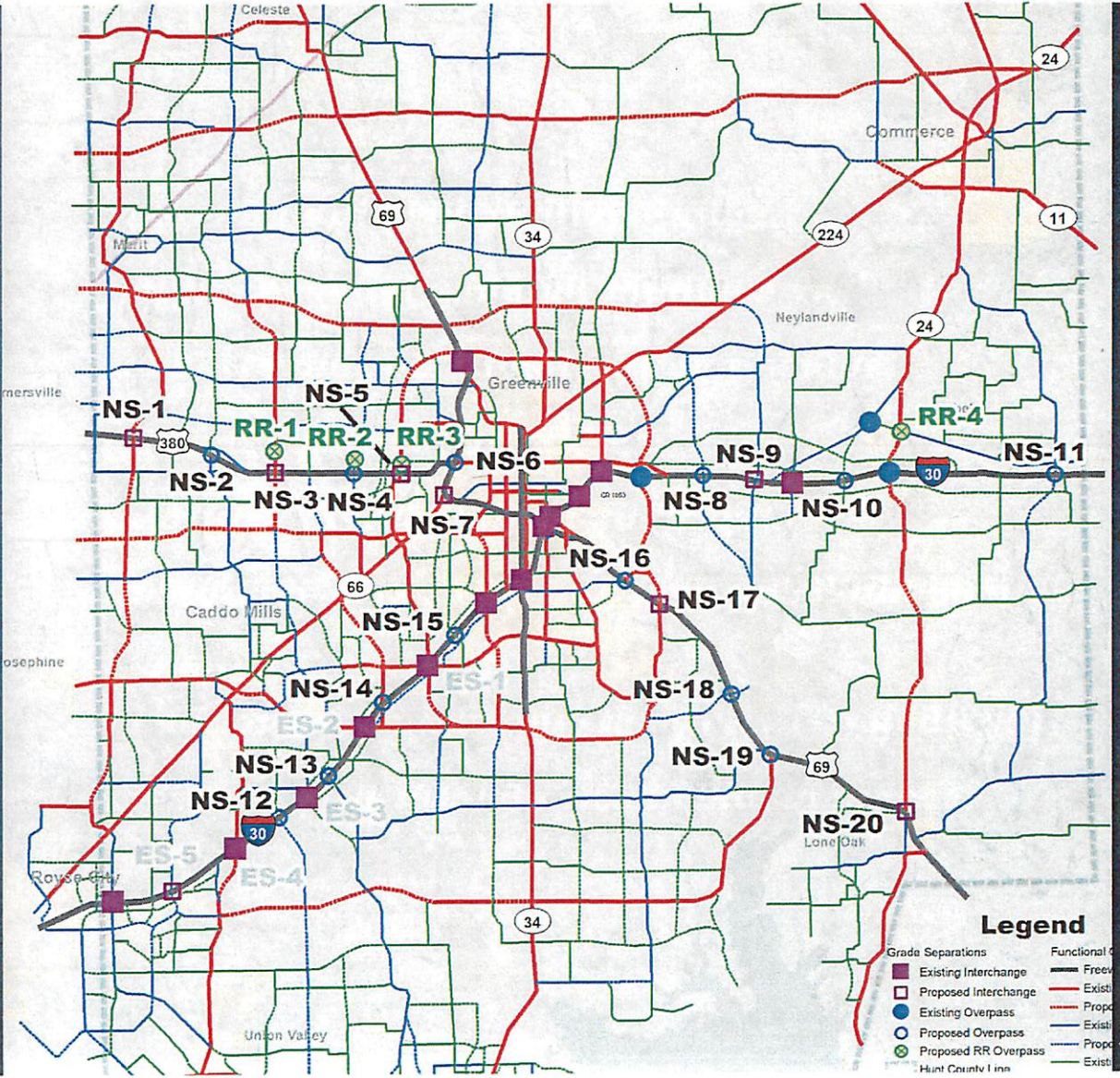
ID	Roadway	Location	Details	Time Horizon
ES-1	IH 30	AT FM 1570	RECONSTRUCT INTERCHANGE	SHORT TERM
ES-2	IH 30	WEST OF FM 1903	RECONSTRUCT OVERPASS AND APPROACHES	SHORT TERM
ES-3	IH 30	SOUTH OF FM 36 TO NORTH OF FM 36	RECONSTRUCT OVERPASS	SHORT TERM
ES-4	IH 30	SOUTH OF FM 1565 TO NORTH OF FM 1565	RECONSTRUCT OVERPASS	SHORT TERM
ES-5	IH 30	BETWEEN CR 2646 AND CR 2511	CONSTRUCT NEW INTERCHANGE	SHORT TERM

New Proposed Grade Separation Projects

ID	Roadway	Location	Details	Time Horizon
NS-1	US 380	CR 2748	CONSTRUCT NEW INTERCHANGE	SHORT TERM
NS-2	US 380	FM 36	CONSTRUCT OVERPASS	LONG TERM
NS-3	US 380	FM 903	CONSTRUCT NEW INTERCHANGE	MEDIUM TERM
NS-4	US 380	New Arterial	CONSTRUCT OVERPASS	LONG TERM
NS-5	US 380	CR 1063	CONSTRUCT NEW INTERCHANGE	MEDIUM TERM
NS-6	US 380	US 69	CONSTRUCT OVERPASS	LONG TERM
NS-7	SH 66	US 69	CONSTRUCT NEW INTERCHANGE	LONG TERM
NS-8	IH 30	CR 3103	CONSTRUCT OVERPASS	LONG TERM
NS-9	IH 30	CR 4108	CONSTRUCT NEW INTERCHANGE	MEDIUM TERM
NS-10	IH 30	CR 3106	CONSTRUCT OVERPASS	LONG TERM
NS-11	IH 30	FM 1568	CONSTRUCT OVERPASS	LONG TERM
NS-12	IH 30	B/W FM 1565 and FM 36	CONSTRUCT OVERPASS	LONG TERM
NS-13	IH 30	North of FM 36	CONSTRUCT OVERPASS	SHORT TERM
NS-14	IH 30	CR 2134	CONSTRUCT OVERPASS	LONG TERM
NS-15	IH 30	North of FM 1570	CONSTRUCT OVERPASS	LONG TERM
NS-16	US 69	CR 3301	CONSTRUCT OVERPASS	LONG TERM
NS-17	US 69	CR 3303	CONSTRUCT OVERPASS	LONG TERM
NS-18	US 69	Near Mallard Drive	CONSTRUCT NEW INTERCHANGE	LONG TERM
NS-19	US 69	FM 2947	CONSTRUCT OVERPASS	LONG TERM
NS-20	US 69	FM 513	CONSTRUCT NEW INTERCHANGE	LONG TERM

New Railroad Grade Separations

ID	Roadway	Location	Details	Time Horizon
RR-1	FM 903	KCS RR NORTH OF US 380	CONSTRUCT RR OVERPASS	MEDIUM TERM
RR-2	New Arterial	KCS RR NORTH OF US 380	CONSTRUCT RR OVERPASS	LONG TERM
RR-3	CR 1063	KCS RR NORTH OF US 380	CONSTRUCT OVERPASS	LONG TERM
RR-4	CR 4125	KCS RR NORTH OF IH 30	CONSTRUCT RR OVERPASS	MEDIUM TERM



Legend

- Grade Separations
 - Existing Interchange
 - Proposed Interchange
 - Existing Overpass
 - Proposed Overpass
 - Proposed RR Overpass
 - Existing RR Overpass
- Functional Roadway
 - Freeway
 - Existing Arterial
 - Proposed Arterial
 - Existing Collector
 - Proposed Collector
 - Existing Local

TAILORED POLICY CONSIDERATIONS

- **Preserve ROW through Development Process**
- **Incorporate the Plan into the NCTCOG Regional Planning Process**
- **Coordinate with TxDOT on Plan Recommendations**
- **Prioritize Traffic Impact Analysis**
- **Consider Vertical Air Rights**
- **Support Innovative Intersection Designs**
- **Define Potential Funding Solutions**
- **Thoroughfare Plan Administration**

BOND PROGRAM DEVELOPMENT AND ADMINISTRATION

FNI Provide Bond Program Planning
Services for \$400M Bond Program
Approved in Nov. 2021



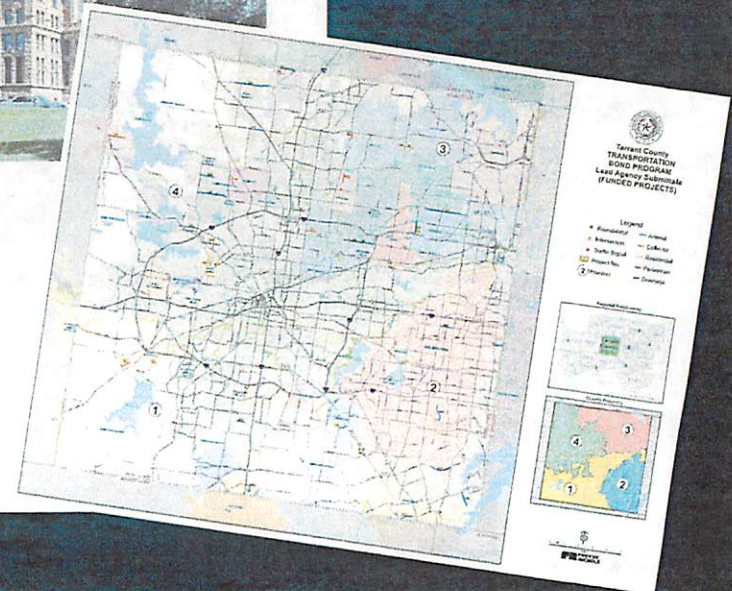
TARRANT COUNTY 2021 Transportation Bond Program



Project List and Fact Sheets Call for Projects Funding Category August 17, 2021

County Judge
B. Glen Whitley

Commissioners
Roy Charles Brooks *Precinct 1*
Devan Allen *Precinct 2*
Gary Fickes *Precinct 3*
J.D. Johnson *Precinct 4*



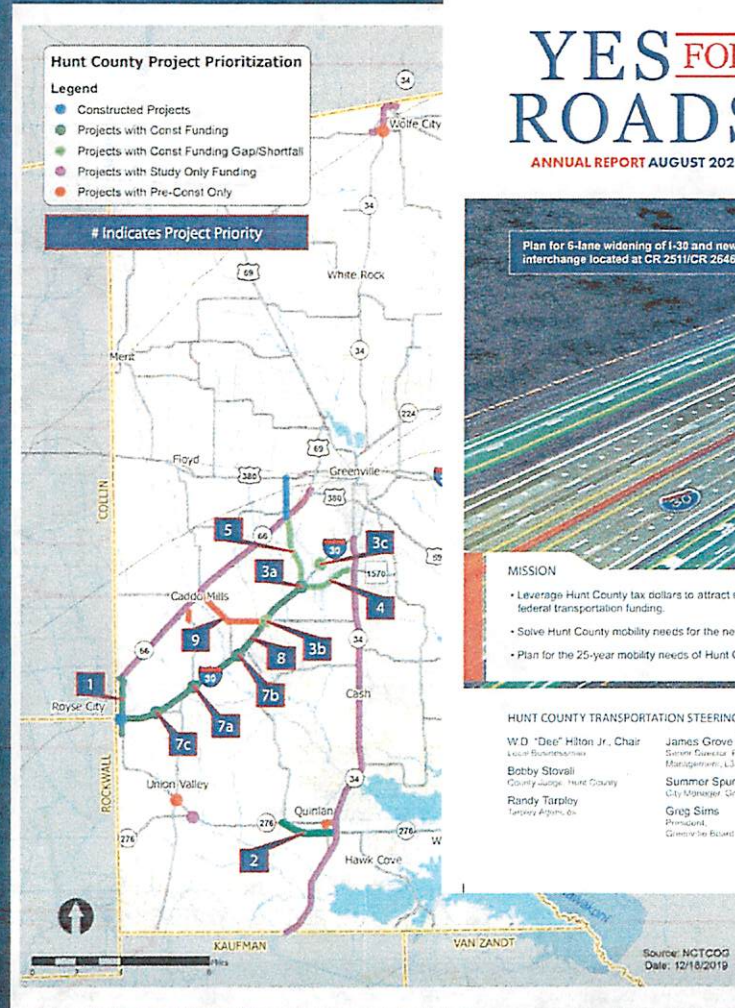
**LEVERAGING \$ FOR
IMPLEMENTING
PROJECTS**

Parker County Leveraged \$30M IH-20
Interchange & Frontage Road Project
with \$3m Bond Investment



LEVERAGING \$ FOR IMPLEMENTING PROJECTS

Hunt County has Leveraged \$220M in On-System Improvements with a \$24M Bond Program



YES FOR ROADS

ANNUAL REPORT AUGUST 2021



Bobby Stovall
County Judge
District 1

Mark Hutchins
Hunt County
Commissioner
District 1

Philip Martin
Hunt County
Commissioner
District 2

Randy Small
Hunt County
Commissioner
District 2

Steven Harmon
Hunt County
Commissioner
District 2



MISSION

- Leverage Hunt County tax dollars to attract state and federal transportation funding.
- Solve Hunt County mobility needs for the next 10 years.
- Plan for the 25-year mobility needs of Hunt County.

HUNT COUNTY TRANSPORTATION STEERING COMMITTEE

W.D. "Dee" Hilton Jr. Chair Local Businessman	James Grove Sr. Senior Director, Business Management, Logistics (SR Systems)	Howdy Lisenbee City Manager, Commerce	Matt McMahan City Manager, Caddo Mills
Bobby Stovall County Judge, Hunt County	Summer Spurlock City Manager, Greenville	Paul Voss Executive Director, Commerce Chamber of Commerce	John Adel City Manager, Gurdon
Randy Tarpley Turkey Argon, Inc.	Greg Sims Principal, Greenville Board of Development	Carl Alsabrook City Manager, Royse City	

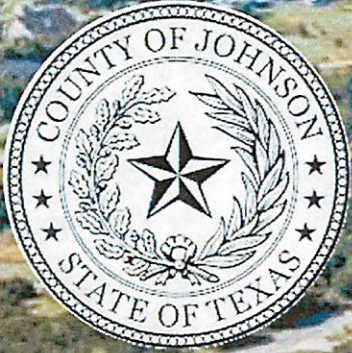
COUNTY EXPERIENCE PROVIDING PLANNING AND BOND PROGRAM SERVICES

COUNTY EXPERIENCE



**HOW OTHERS
HAVE USED THE
THOROUGHFARE PLAN**

- **Proactive Planning with cities, ISDs, agencies**
- **Policy with the development process**
- **Setting Transportation Vision that is then rooted for Engineering Design (road and drainage) Standards and Subdivision Regs**
- **Project Funding Cycles and Leveraging of Dollars**
 - **TxDOT STIP**
 - **NCTCOG MTP, TIP, & Project Call**
 - **Federal and State Grant Application**
- **Agency Coordination**
- **County CIP Planning**
- **Thoroughfare Plan Administration**



THANK YOU!

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