

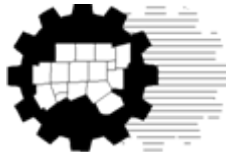
# **KAUFMAN COUNTY MULTIMODAL TRANSPORTATION STUDY**

## **Countywide Needs Assessment**

**December 2, 2008**

**Chris Reed  
Senior Transportation Planner**

**Eric Hopp  
Transportation Planner II**



**North Central Texas Council of Governments**

# Kaufman County

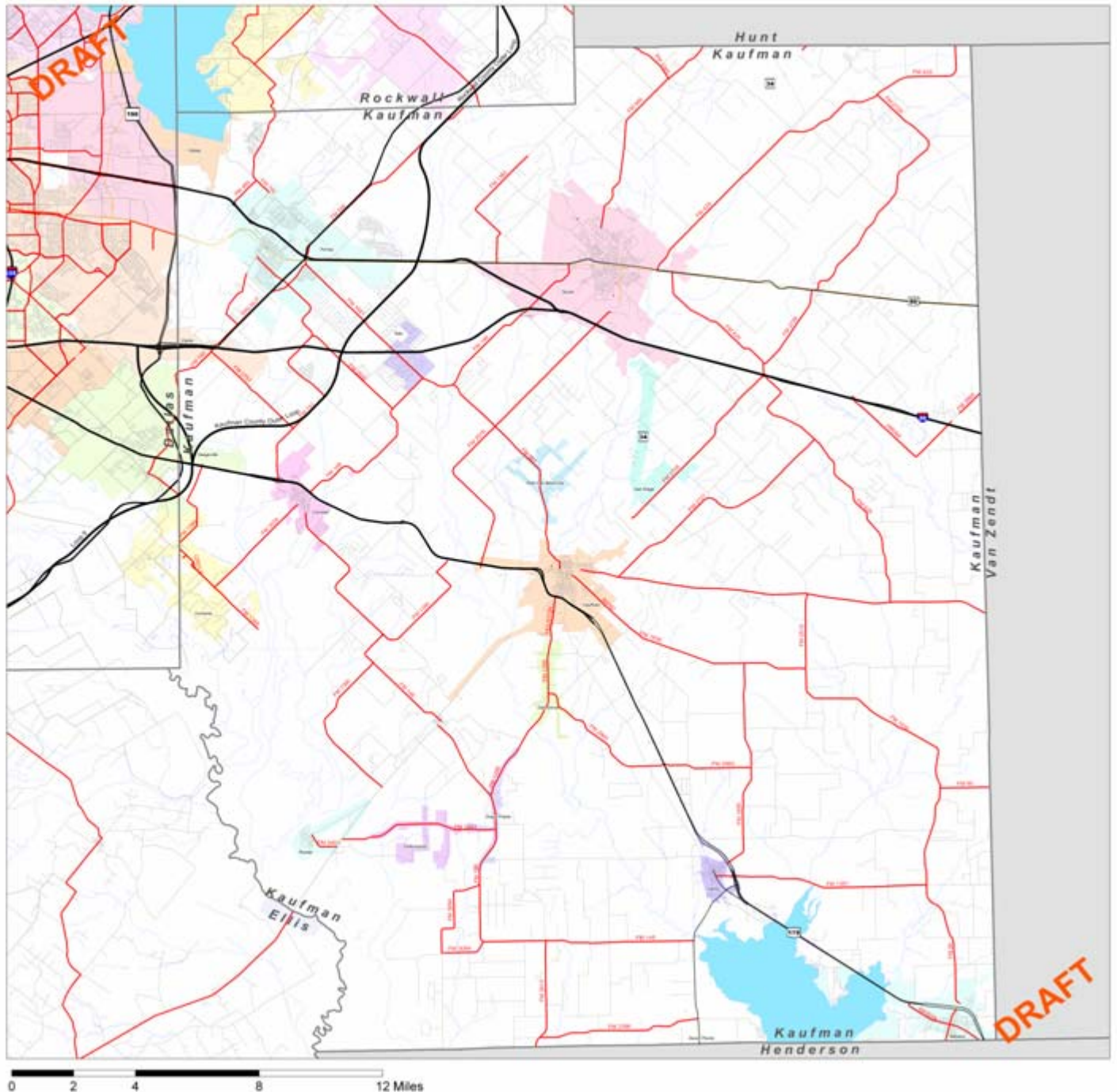
## Existing and Planned Roadways

### Legend

- Freeway/Tollway
- Major Arterial
- Minor Arterial
- Rail



May, 2008



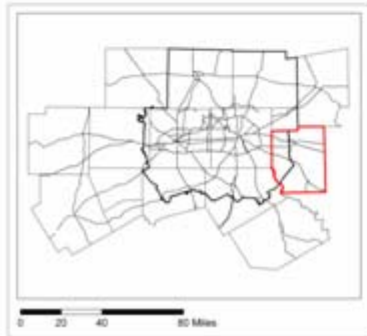
# Kaufman County

## Previous County Thoroughfare Plan

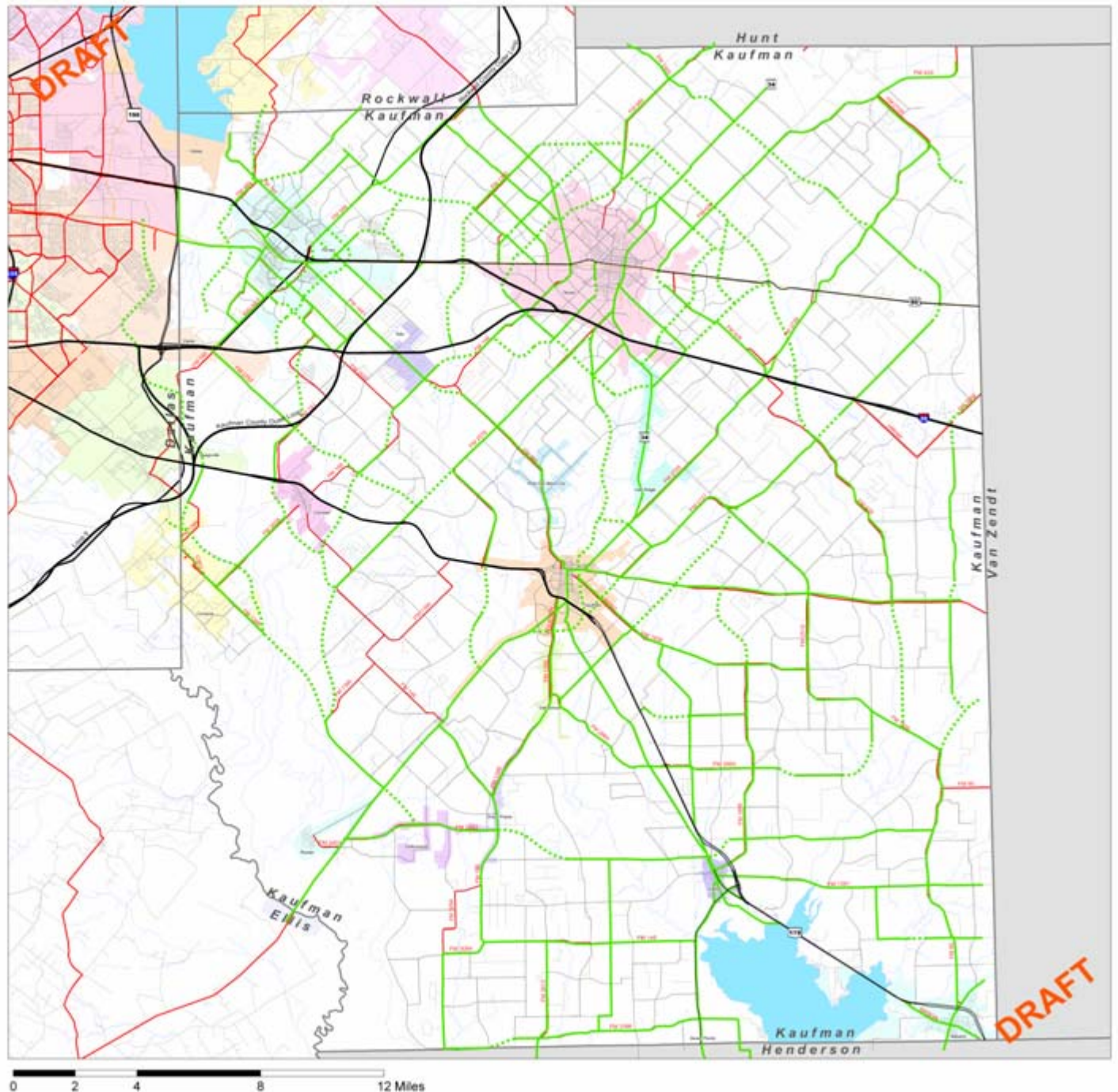
### Legend

- Freeway/Tollway
- Major Arterial
- Minor Arterial
- Rail
- Existing Thoroughfares\*
- Proposed New Roads\*

\* Source - "Dunkin Sefko & Associates February 2003"





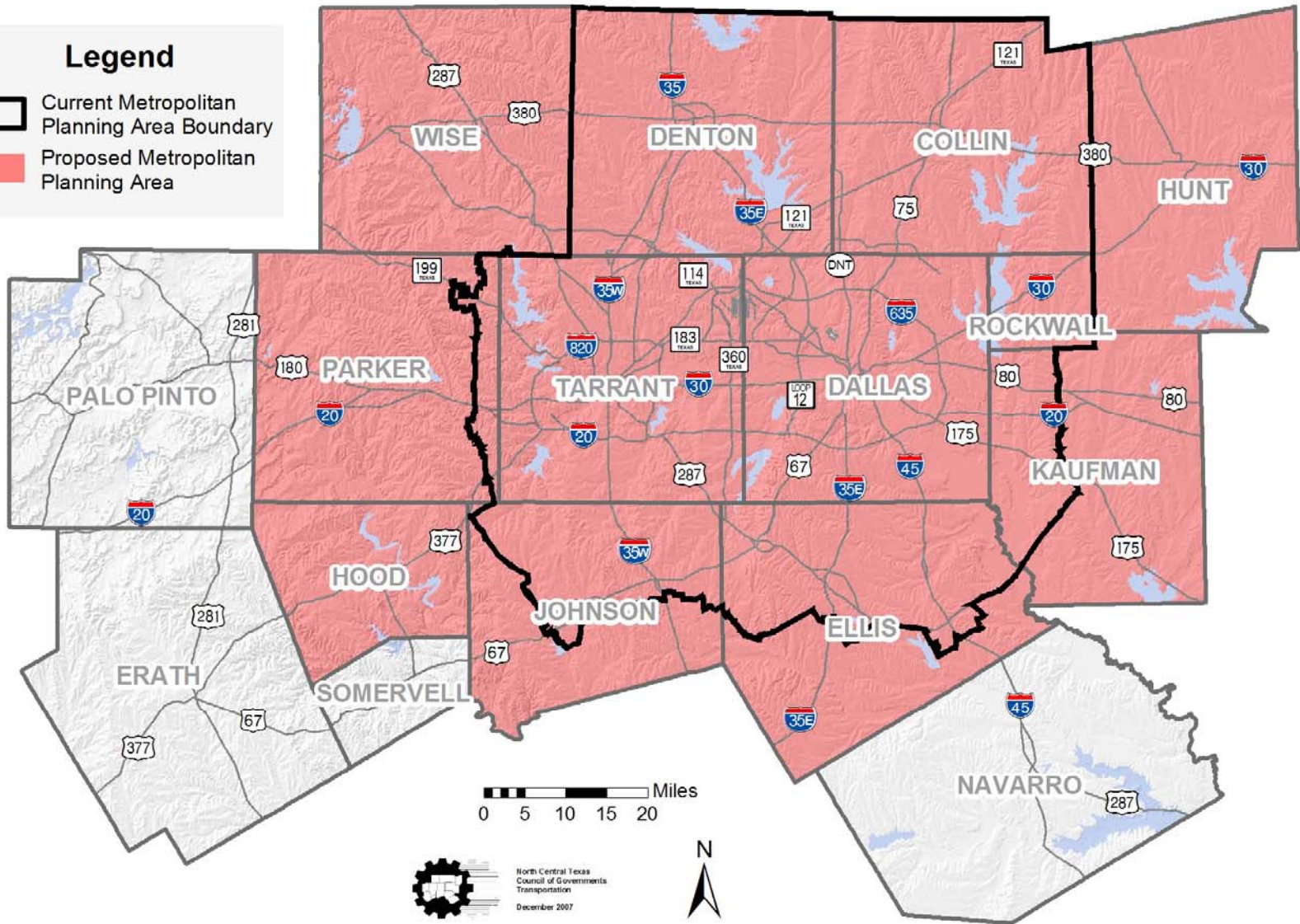
May, 2008



# Proposed 12-County Metropolitan Planning Area

## Legend

-  Current Metropolitan Planning Area Boundary
-  Proposed Metropolitan Planning Area



# KAUFMAN COUNTY MULTIMODAL TRANSPORTATION STUDY

## Population Projections

	2005 Population*	2030 Population*	Percent Increase
Kaufman County	80,279	277,745	245%
Combine	1,862	3,114	67%
Crandall	2,812	3,564	26%
Forney	7,960	43,825	450%
Kaufman	6,954	19,191	175%
Kemp	1,126	1,320	17%
Mabank	2,152	10,719	398%
Terrell	12,753	60,156	332%

\*NCTCOG estimate adjusted from 2000 Census count

# KAUFMAN COUNTY MULTIMODAL TRANSPORTATION STUDY

## Employment Projections

	2005 Employment*	2030 Employment*	Percent Increase
Kaufman County	33,810	82,078	143%
Combine	457	1,926	321%
Crandall	155	1,145	638%
Forney	1,740	5,656	225%
Kaufman	2,915	8,769	200%
Kemp	350	821	134%
Mabank	498	3,132	528%
Terrell	10,729	16,796	56%

\*NCTCOG estimate adjusted from 2000 Census count

# KAUFMAN COUNTY MULTIMODAL TRANSPORTATION STUDY

## Work Commute Patterns\*

**If you live in Kaufman County,  
where do you work?**

Dallas County	47%
Kaufman County	43%
Collin County	2%
Tarrant County	2%
Rockwall County	1%
Ellis County	1%

**If you work in Kaufman County,  
where do you live?**

Kaufman County	75%
Dallas County	15%
Hunt County	4%
Rockwall County	2%
Collin County	1%
Tarrant County	1%

\*Source: County-to-County Worker Flows for North Central Texas: 2000

# **KAUFMAN COUNTY MULTIMODAL TRANSPORTATION STUDY**

## **Data Resources**

### **Public Input**

**2000 County-to-County Worker Flows**

**2004 Traffic Counts**

**2005 Land Use Patterns**

**2005-2030 Population/Employment Projections**

**Existing County/City Thoroughfare Plans**

**Thoroughfare Classification Guidelines**

**Federal Functional Classification System (FFCS)**

**Mobility 2030 MTP Recommendations**

# Kaufman County

## 2005 Residential Land Use

### Legend

-  Freeway / Tollway
-  Major Arterial
-  Minor Arterial
-  Rail Corridor
-  2005 Residential Land Use

\* Source: NCTCOG Research & Information Services  
Department 2004 Land Use Data

\*\* Source: 2000 US Census Journey to Work Data

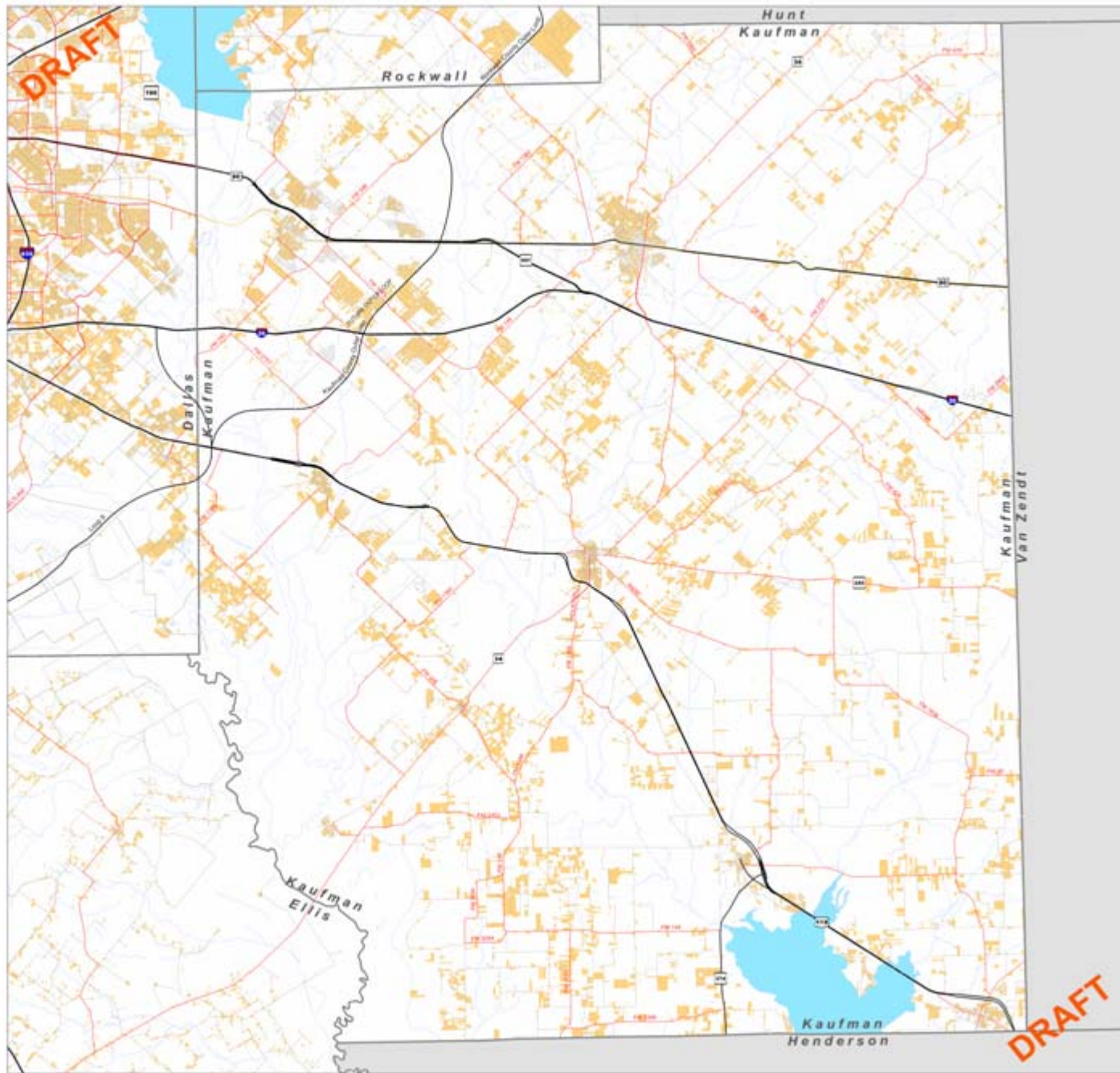


North Central Texas  
Council of Governments  
Transportation



Note:  
Roadways as shown are a combination of current  
year RIS network and Mobility 2030: The Metropolitan  
Transportation Plan network where available.

New facility locations indicate transportation needs  
and do not represent specific alignments.



0 20 40 60 Miles

May, 2008

0 2 4 8 12 Miles

# Kaufman County

## Areas of Anticipated Residential Growth

### Legend

- Freeway / Tollway
- Major Arterial
- Minor Arterial
- Rail Corridor
- Quarter Mile Residential Buffer \*

\* Source: NCTCOG Research & Information Services  
Department 2004 Land Use Data

\*\* Source: 2000 US Census Journey to Work Data

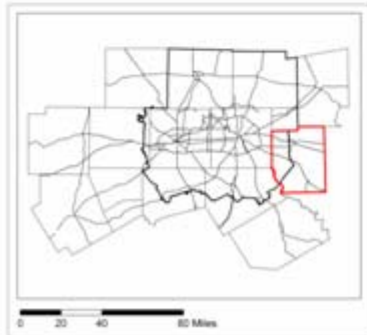


North Central Texas  
Council of Governments  
Transportation

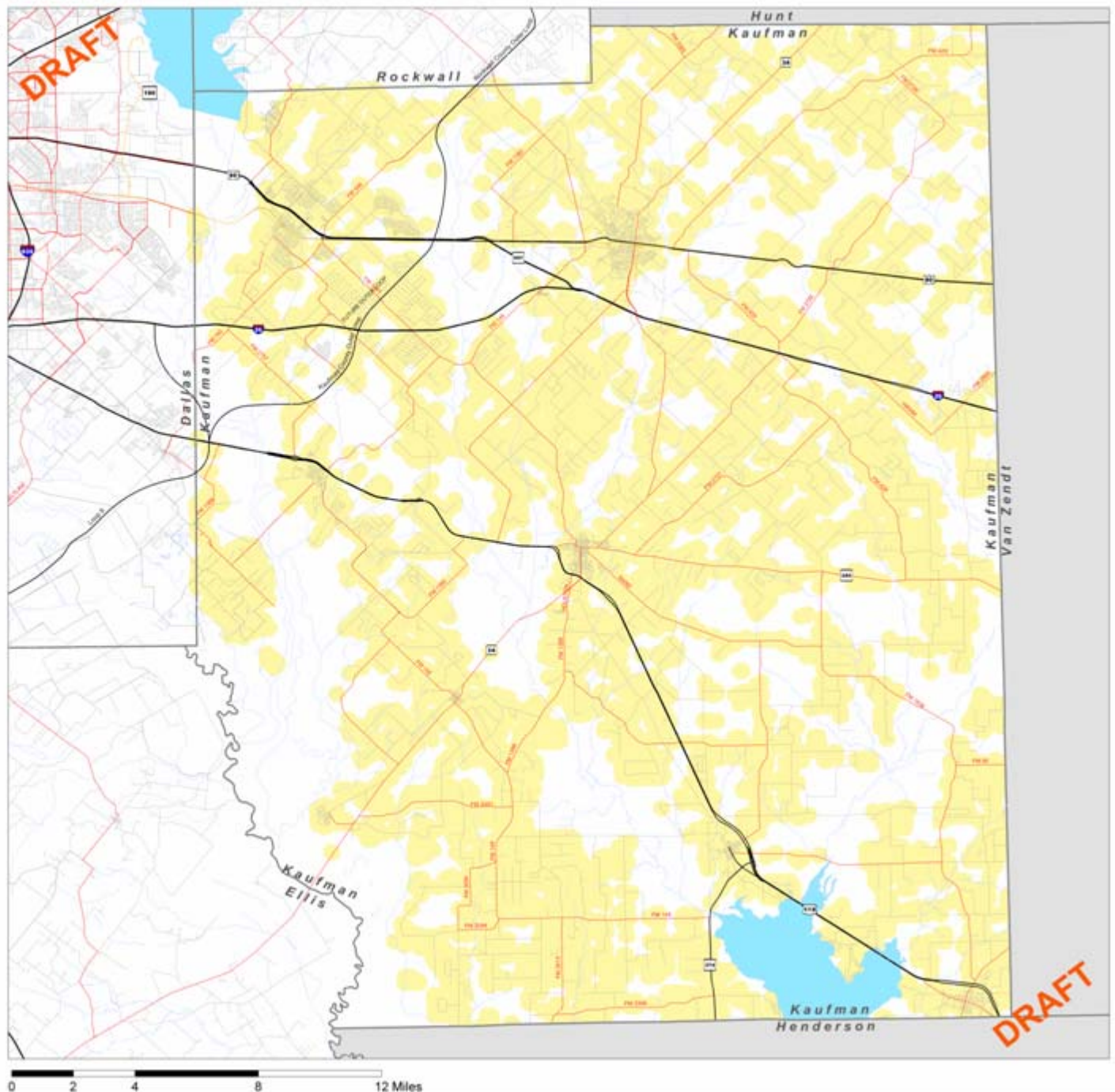


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May, 2008



# Kaufman County

## Areas of Anticipated Residential Growth

### Legend

- Freeway / Tollway
- Major Arterial
- Minor Arterial
- Rail Corridor
- Quarter Mile Residential Buffer \*
- Three Quarter Mile Residential Buffer \*

\* Source: NCTCOG Research & Information Services  
Department 2004 Land Use Data

\*\* Source: 2000 US Census Journey to Work Data

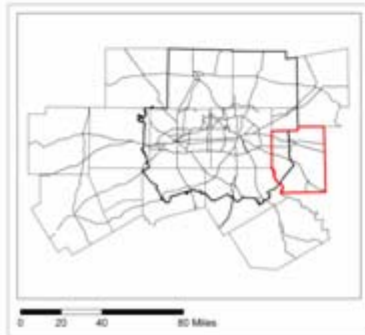
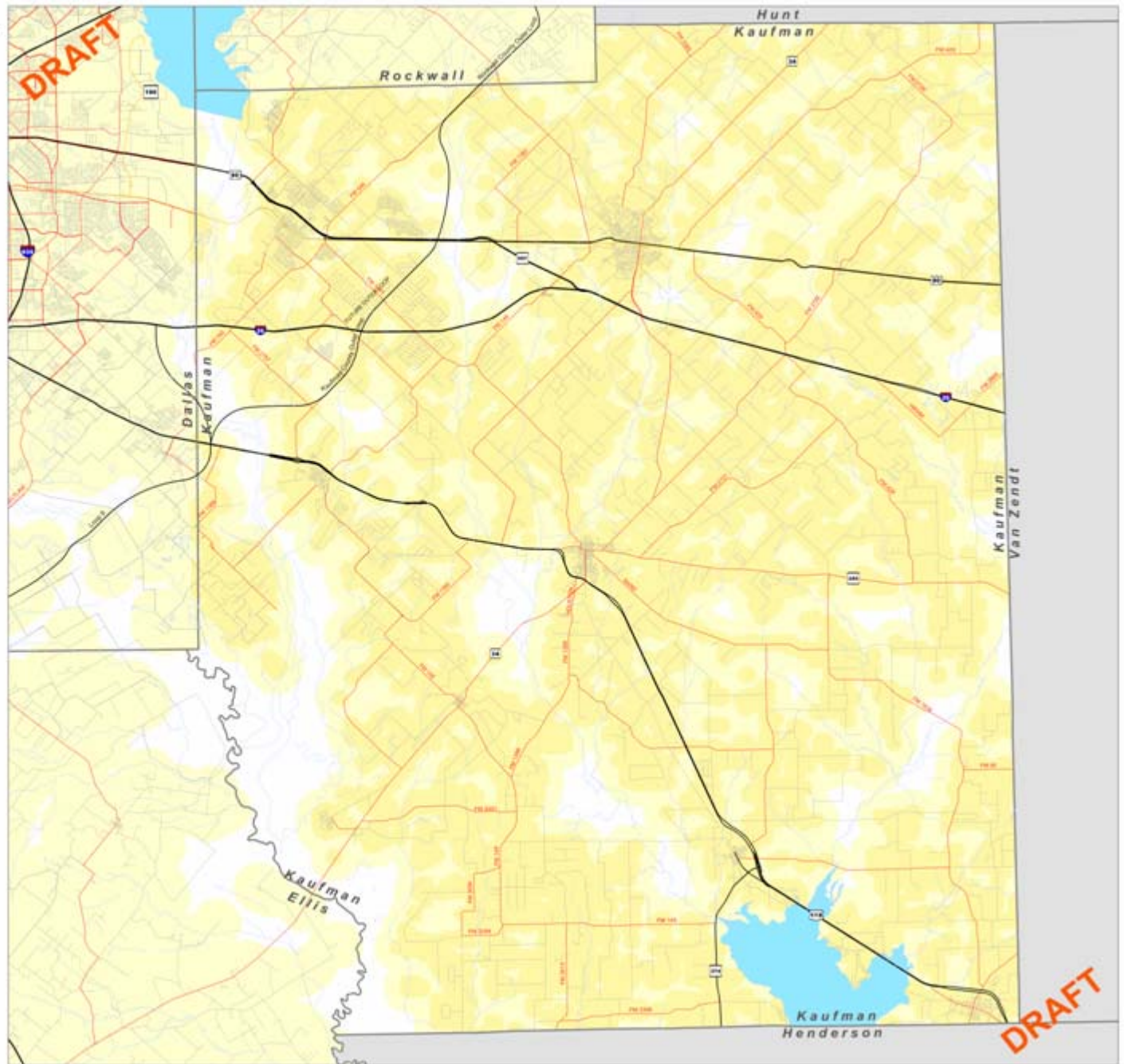


North Central Texas  
Council of Governments  
Transportation



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May, 2008

0 2 4 8 12 Miles

# Kaufman County

## Magnitude of Transportation Need

### Legend

-  Freeway / Tollway
-  Major Arterial
-  Minor Arterial
-  Development Centers
-  Quarter Mile Residential Buffer \*
-  Three Quarter Mile Residential Buffer \*
-  Residential Land Use
-  Connections to Residential Growth Areas

\* Source: NCTCOG Research & Information Services Department 2004 Land Use Data

\*\* Source: 2000 US Census Journey to Work Data



North Central Texas  
Council of Governments  
Transportation



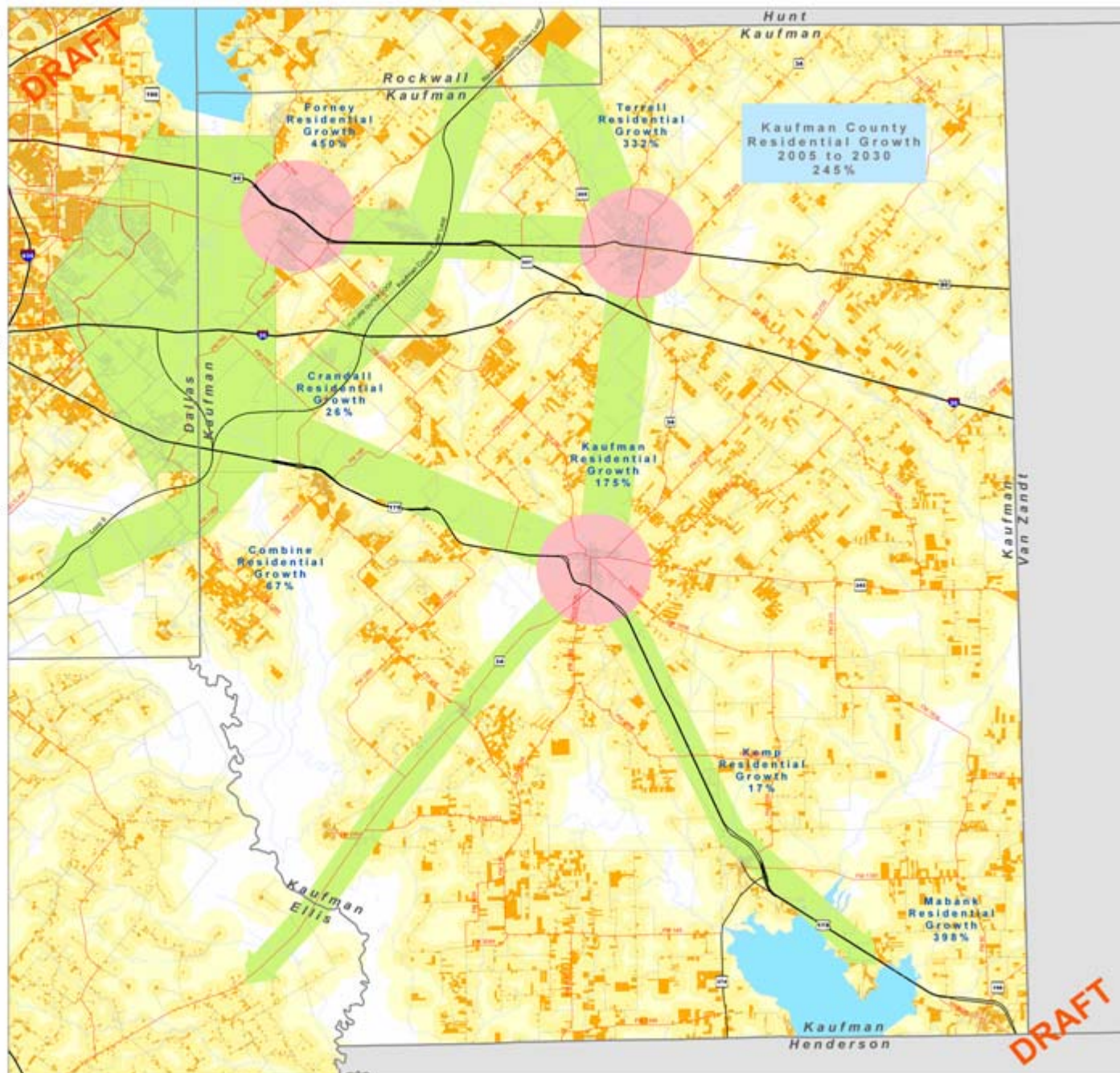
Note:  
Roadways as shown are a combination of current year RIS network and Mobility 2030: The Metropolitan Transportation Plan network where available.

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0 20 40 60 Miles

August, 2008







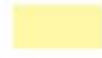


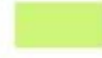
0 15 30 60 90 Miles

DRAFT

# Kaufman County

## Worker Flows and Anticipated Residential Growth

### Legend

-  Freeway / Tollway
-  Major Arterial
-  Minor Arterial
-  Rail Corridor
-  Quarter Mile Residential Buffer \*
-  Three Quarter Mile Residential Buffer \*
-  County to County Worker Flows \*\*
-  Connections to Residential Growth Areas

\* Source: NCTCOG Research & Information Services Department 2004 Land Use Data

\*\* Source: 2000 US Census Journey to Work Data

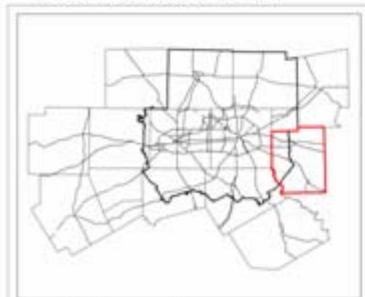


North Central Texas  
Council of Governments  
Transportation



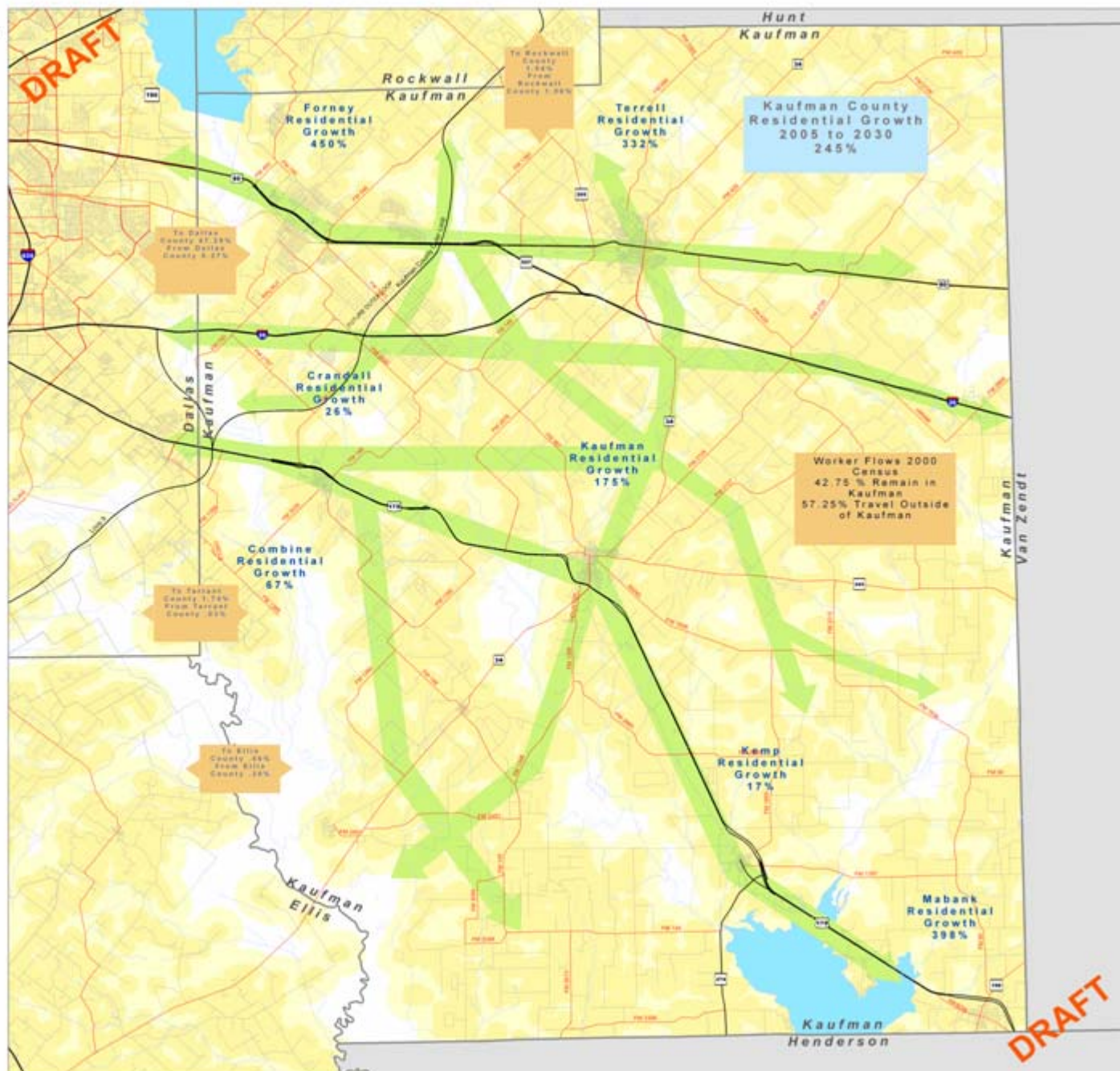
Note:  
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0 20 40 60 Miles

May, 2008



0 2 4 8 12 Miles

DRAFT

# Kaufman County

## Corridors of County Need

### Legend

- Freeway/Tollway
- Major Arterial
- Minor Arterial
- Rail
- Corridors of County Need

Note:  
Roadways as shown are a combination of current year RIS network and Mobility 2030: The Metropolitan Transportation Plan network where available.

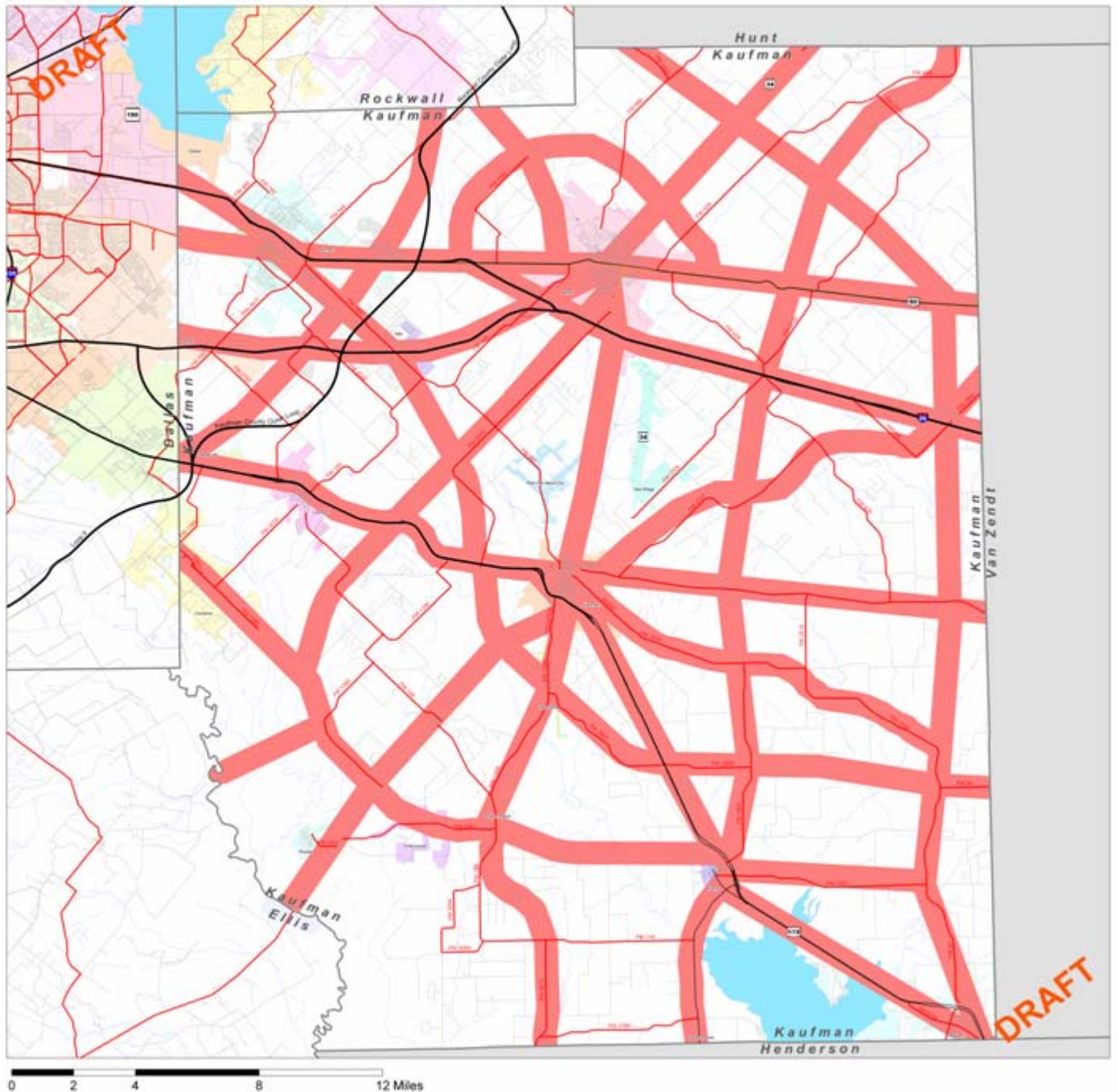
New facility locations indicate transportation needs and do not represent specific alignments.



North Central Texas  
Council of Governments  
Transportation
























May, 2008



# KAUFMAN COUNTY MULTIMODAL TRANSPORTATION STUDY

## Alternative Rankings

	Existing Roadways	Critical Locations	New Corridors
<b>Mobility</b>			
<b>ROW</b>			
<b>Displacements</b>			
<b>Physical Constraints</b>			
<b>Cost</b>			
<b>Safety</b>			
<b>Transit</b>			

 - Less Beneficial   
  - Moderately Beneficial   
  - More Beneficial

DRAFT

# Kaufman County

## Thoroughfare Plan Recommendations: Existing Facility Improvements

### Legend

- Freeway / Tollway
- Major Arterial
- Minor Arterial
- Rail Corridor
- County Boundary
- Improvements to Existing Roads**
- 4/6 Lane Divided Parkway
- 2/4 Lane Undivided Road
- Enhanced Corridor\*

\* Corridor enhancements may include modification of intersections or shoulders, increased speeds, or addition of center turn lanes to increase capacity without a significant change to right of way.

Highest Priority Areas:  
No Connecting Facility

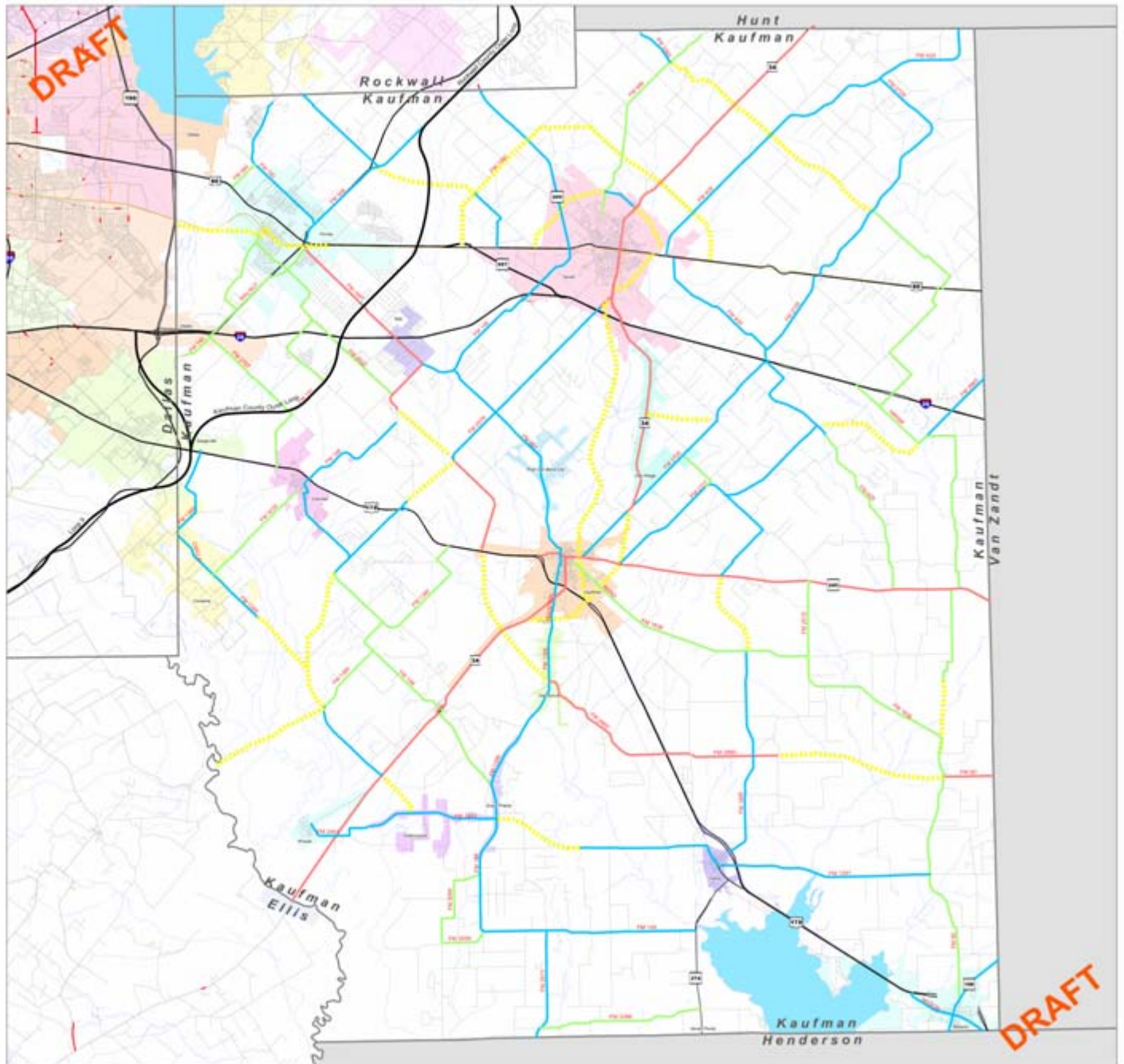


**Note:**  
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New facility locations indicate transportation needs and do not represent specific alignments.

Recommendations based on 2004 traffic counts, 2004 land use data, 2030 growth projections, 2000 US Census Journey-to-Work and commuter data, the Federal Functional Classification System, & spacing guidelines from the 2001 Regional Thoroughfare Plan.

Current corridors should be reviewed to determine where environment, safety and financial conditions allow for a more direct geometric alignment.











November, 2008

0 2 4 8 12 Miles

# Kaufman County




## Thoroughfare Plan Recommendations: Critical Connections

### Legend

-  Freeway / Tollway
-  Major Arterial
-  Minor Arterial
-  Rail Corridor
-  County Boundary
- Improvements to Existing Roads**
-  4/6 Lane Divided Parkway
-  2/4 Lane Undivided Road
-  Enhanced Corridor\*

\* Corridor enhancements may include modification of intersections or shoulders, increased speeds, or addition of center turn lanes to increase capacity without a significant change to right of way.

### New Facilities

-  4/6 Lane Divided Parkway
-  2/4 Lane Undivided Road
-  Mid-Priority Areas: Potential Geometric Improvements

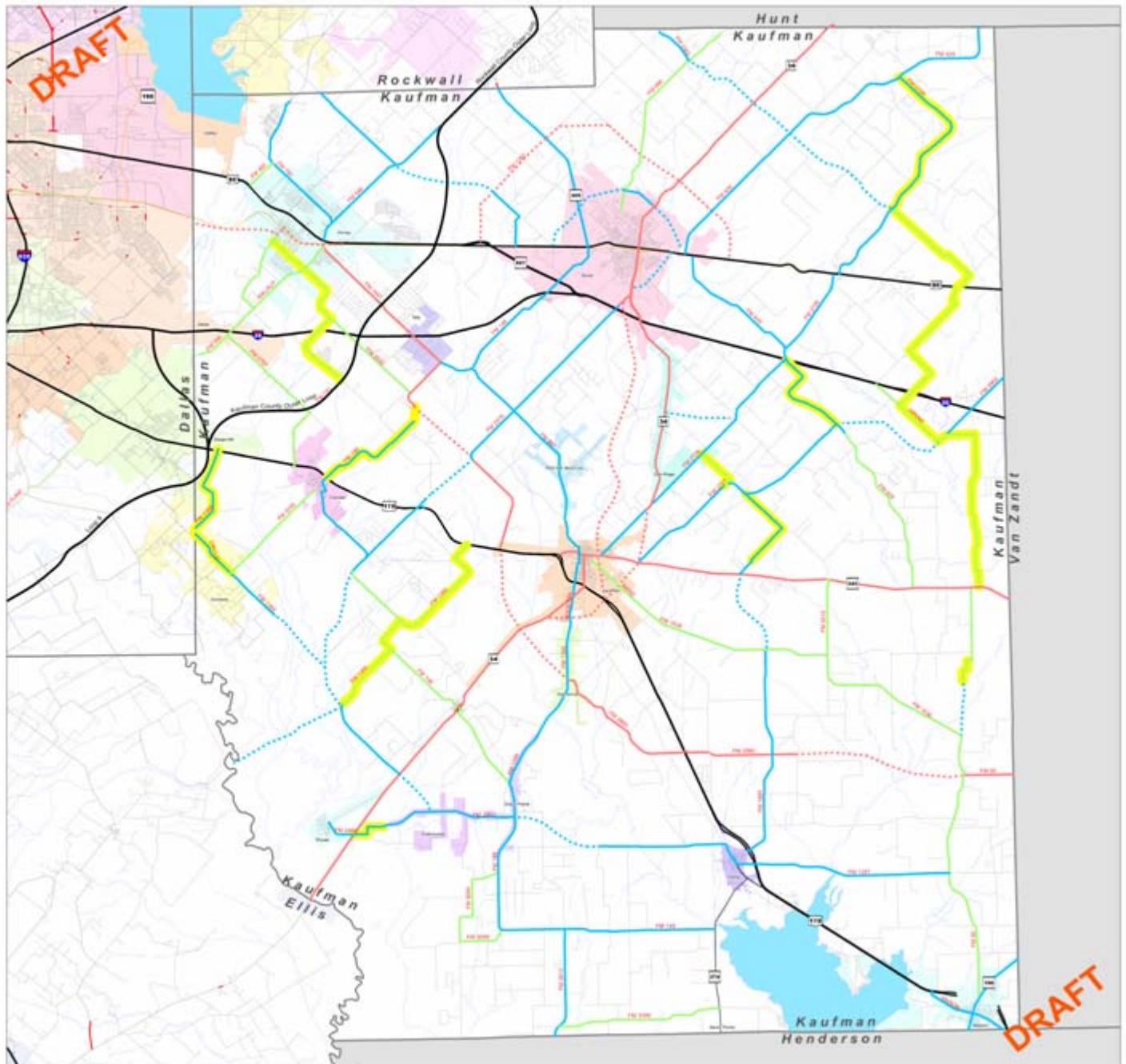


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November, 2008

0 2 4 8 12 Miles

# Kaufman County

Thoroughfare Plan  
Recommendations:  
Geometric Improvement  
Scenario

## Legend

- Freeway / Tollway
  - Major Arterial
  - Minor Arterial
  - Rail Corridor
  - County Boundary
- Improvements to Existing Corridors
- 4/6 Lane Divided Parkway
  - 2/4 Lane Undivided Road
  - Enhanced Corridor\*
  - Realigned Parkway
  - Realigned Road
- New Facilities
- 4/6 Lane Divided Parkway
  - 2/4 Lane Undivided Road

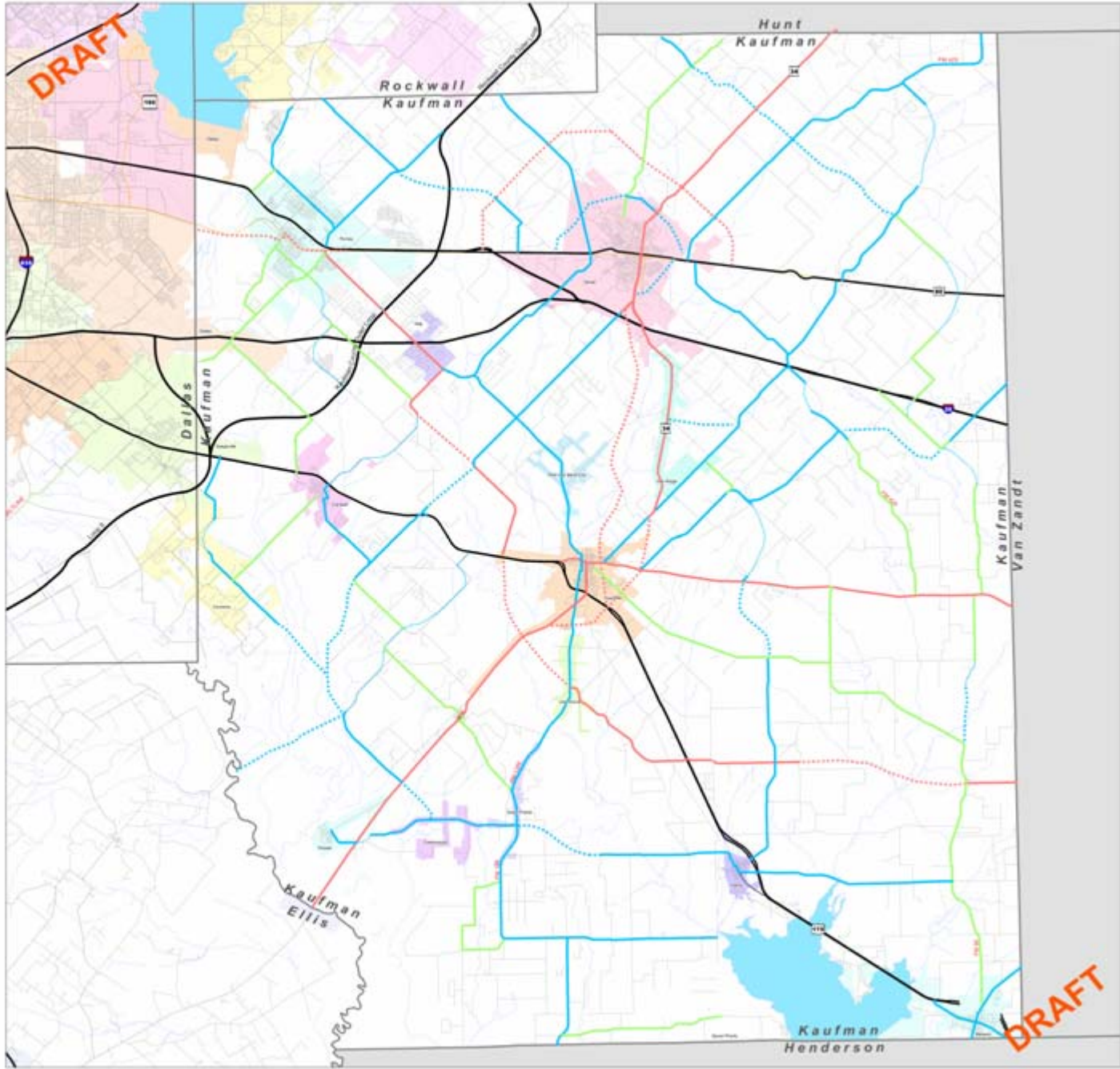


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November, 2008

# Kaufman County

Thoroughfare Plan  
Recommendations:  
NCTCOG/Consultant  
Overlay

## Legend

- Freeway / Tollway
- Major Arterial
- Minor Arterial
- Rail Corridor
- County Boundary

### Improvements to Existing Roads

- 4/6 Lane Divided Parkway
- 2/4 Lane Undivided Road
- Enhanced Corridor\*

\* Corridor enhancements may include modification of intersections or shoulders, increased speeds, or addition of center turn lanes to increase capacity without a significant change to right of way.

### New Facilities

- 4/6 Lane Divided Parkway
- 2/4 Lane Undivided Road
- Consultant Proposed New Roads
- Consultant Proposed Thoroughfare

\* Source - "Dunkin Sefko & Associates February 2003"



Note: Roadways as shown are a combination of current year RIS network and Mobility 2030. The Metropolitan Transportation Plan network where available.

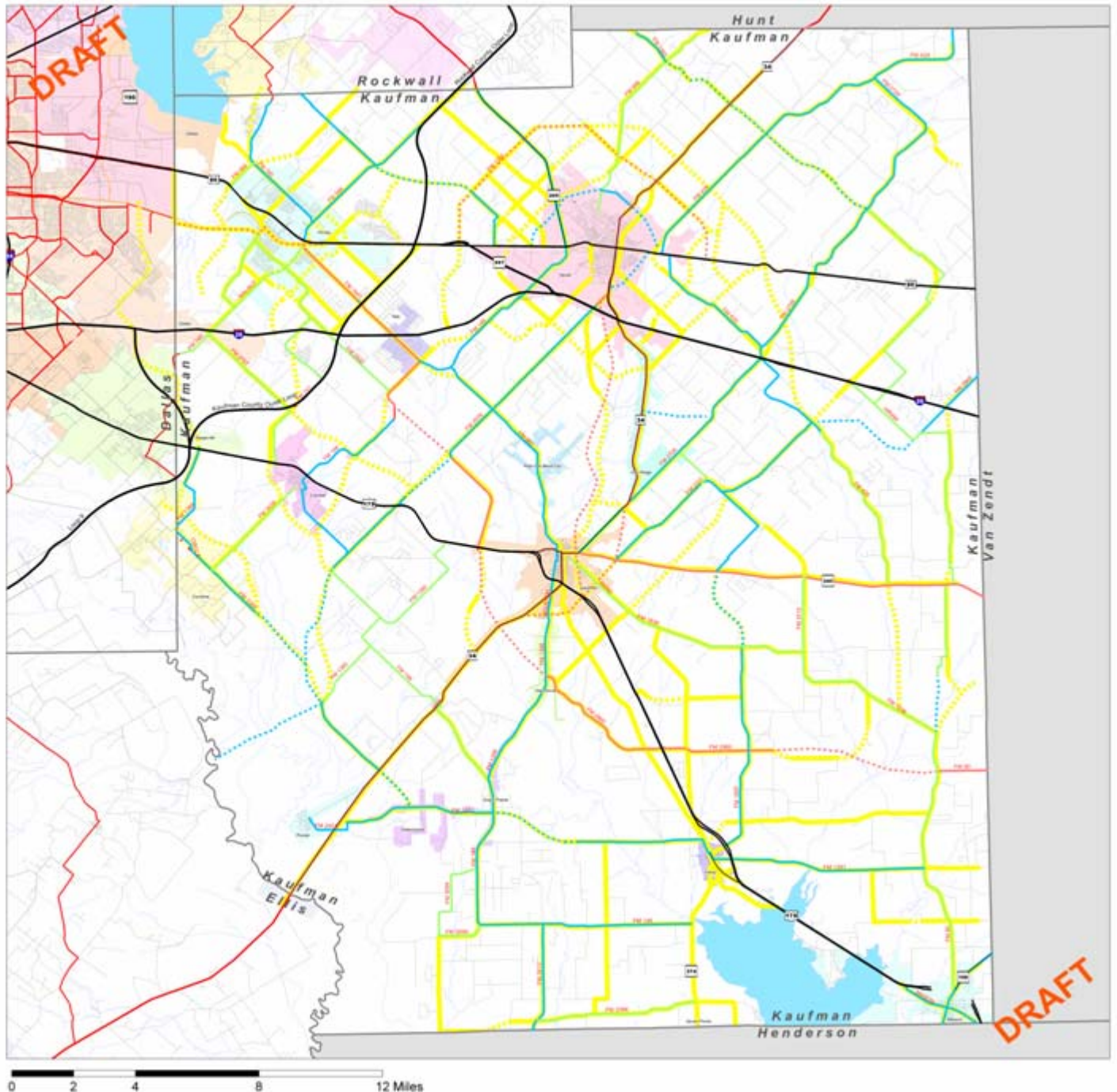
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November, 2008



0 2 4 8 12 Miles

# KAUFMAN COUNTY MULTIMODAL TRANSPORTATION STUDY

## What Now?

Review and refine work to date

Form a work group consisting of county/city staff and elected officials

Establish project scope, goals, and objectives

Recommend future transportation system improvements

- Address future thoroughfare development (location, alignment, and design)
- Review multimodal options and connectivity to regional transit system
- Functional classification
- Right-of-way/corridor preservation

Recommend implementation elements

- Prioritize thoroughfare plan improvements
- Identify implementation strategies to guide thoroughfare plan development
- Clearly outline the intent and purpose of the thoroughfare plan

Plan implementation

And every step of the way.....**PUBLIC INVOLVEMENT!!**

# **KAUFMAN COUNTY MULTIMODAL TRANSPORTATION STUDY**

## **Contact Information:**

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**Eric Hopp**

**Phone: (817) 608-2336**

**Email: [ehopp@nctcog.org](mailto:ehopp@nctcog.org)**