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**Final  
Environmental Impact Statement  
Page Avenue Extension**

St. Charles and St. Louis Counties, Missouri

**Figures  
(Maps)**

Prepared for:  
**The Missouri Highway and Transportation Department**

Prepared by:  
**Booker Associates, Inc.**

*Volume 2 of 4*

**November 1992**

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FHWA-MO-EIS-90-01-F

Route D, St. Louis - St. Charles Counties, Missouri  
(Page Avenue Extension)  
Bennington Place Westerly to Route 40  
Job Nos. 6-U-D-803B, 6-U-D-803C and 6-U-D-803D

Final  
Environmental Impact Statement

Submitted Pursuant to 42 USC 4332(2)(c) and 16 USC 460/-8

by the

U. S. Department of Transportation  
Federal Highway Administration

and

The Missouri Highway and Transportation Department

Cooperating Agencies

U. S. Army Corps of Engineers  
U. S. Coast Guard

National Park Service, U. S. Department of the Interior  
U. S. Fish and Wildlife Service, U. S. Department of the Interior

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***Volume 2 of 4***

**PAGE AVENUE EXTENSION FINAL ENVIRONMENTAL IMPACT STATEMENT  
LIST OF VOLUMES**

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| Volume 1 | Final Environmental Impact Statement                                |
| Volume 2 | Final Environmental Impact Statement - Figures (Maps)               |
| Volume 3 | Final Environmental Impact Statement -<br>Comments and Coordination |
| Volume 4 | Final Environmental Impact Statement -<br>Section 6(f) Evaluation   |

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(Under Separate Cover)**

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Biological Survey and Reconnaissance Technical Report

Cultural Resources: An Overview

Energy Technical Report

Noise Technical Report

Plant Community and Wetlands Technical Report

Surface Water Quality Technical Report

Traffic Operations Analysis and Level of Service Evaluation

Wetlands Mitigation Report

Wintering Bald Eagle Study

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- 1.2 DETAILED PROJECT ALIGNMENT ALTERNATIVES
- 1.3 EXISTING VOLUMES
- 1.4 NO BUILD ALTERNATE ROADWAY DEFICIENCIES (2015)
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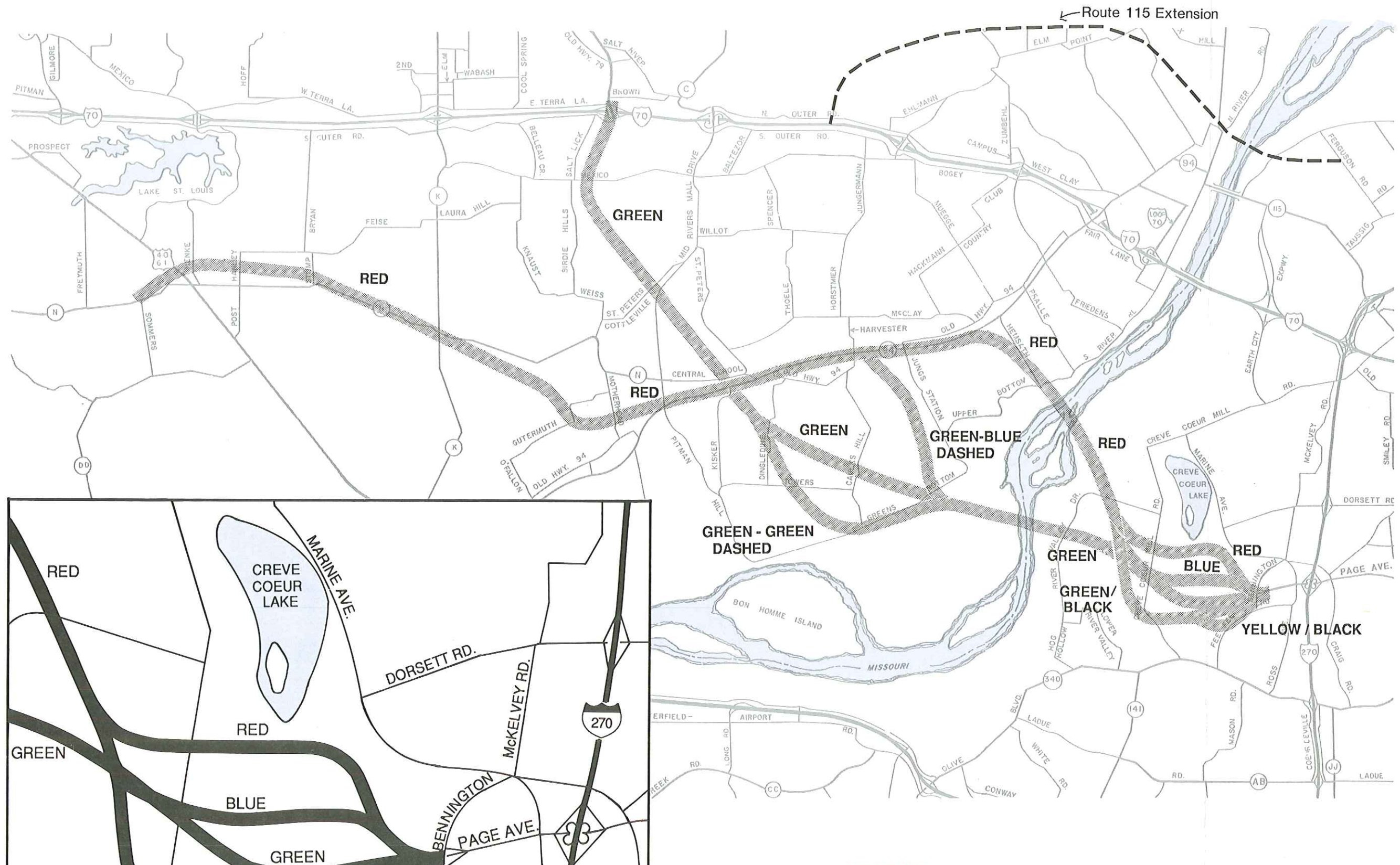
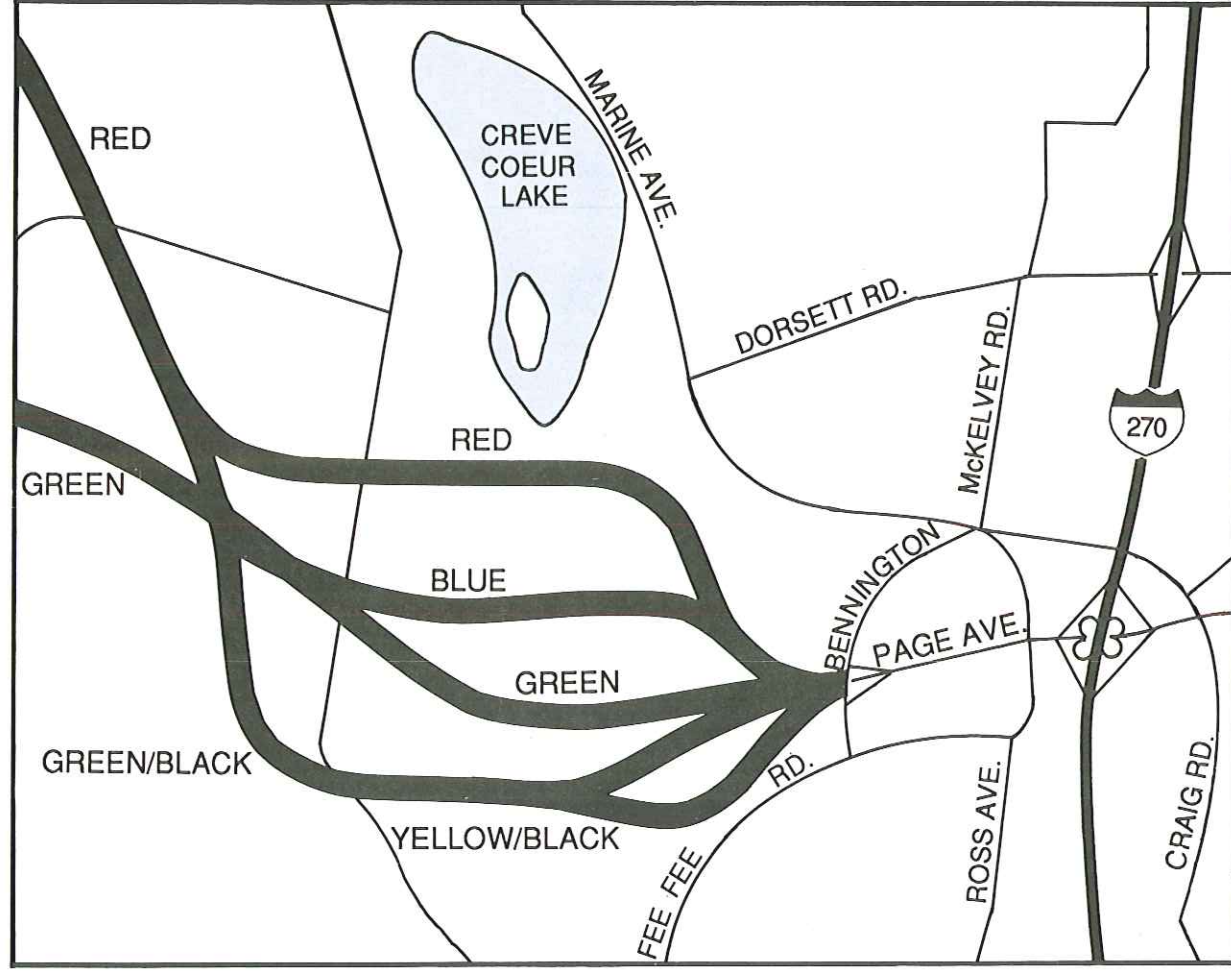
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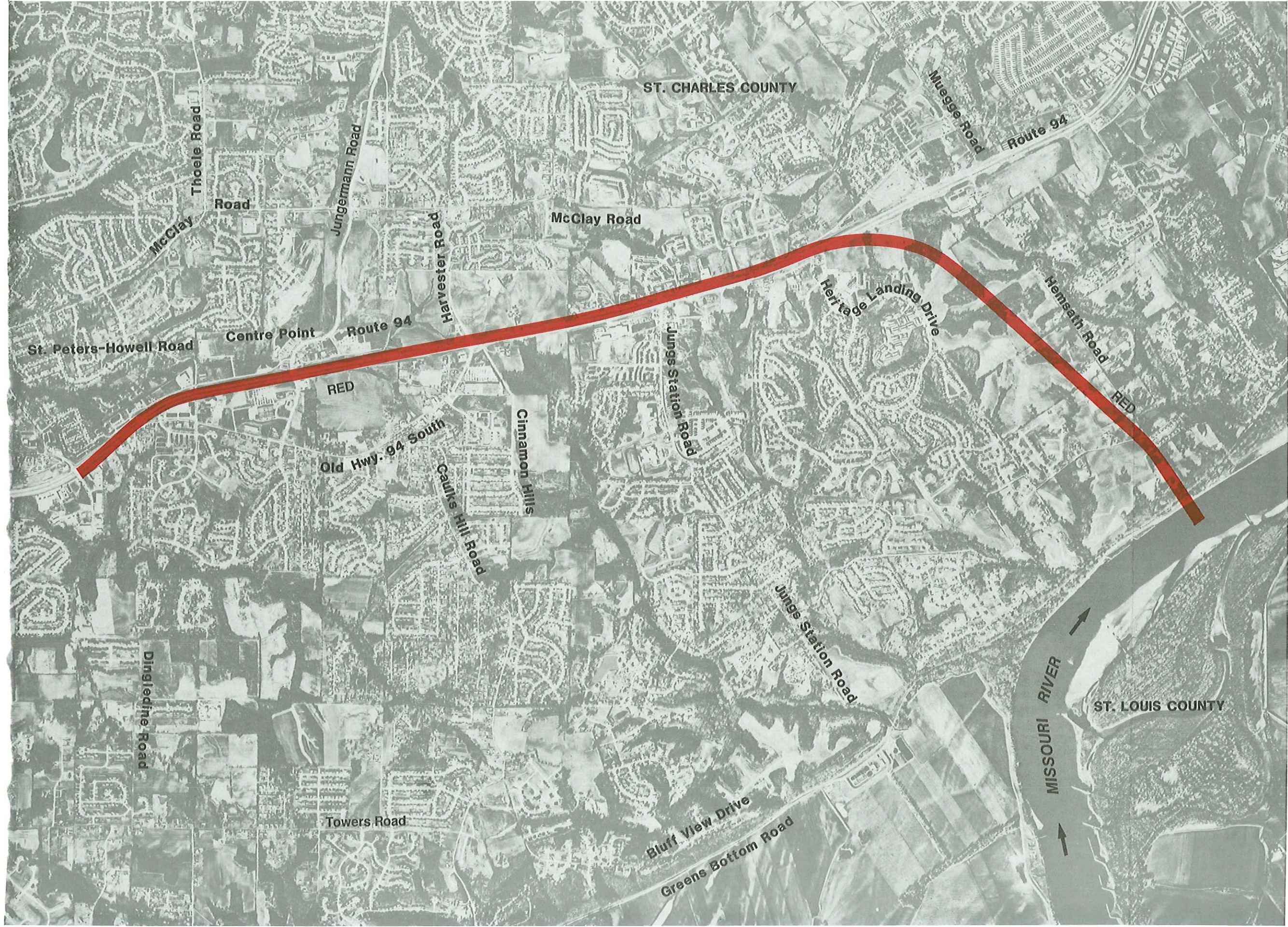
**LEGEND**  
 --- Planned Improvement

**Final Environmental Impact Statement**      **Page Avenue Extension**  
 St. Charles and St. Louis Counties, Missouri

Approximate Scale 1" = 8000'      NORTH

Project Alignment Alternatives

Figure 1.1



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St. Charles and St. Louis Counties, Missouri

Approximate Scale 1" = 2000'

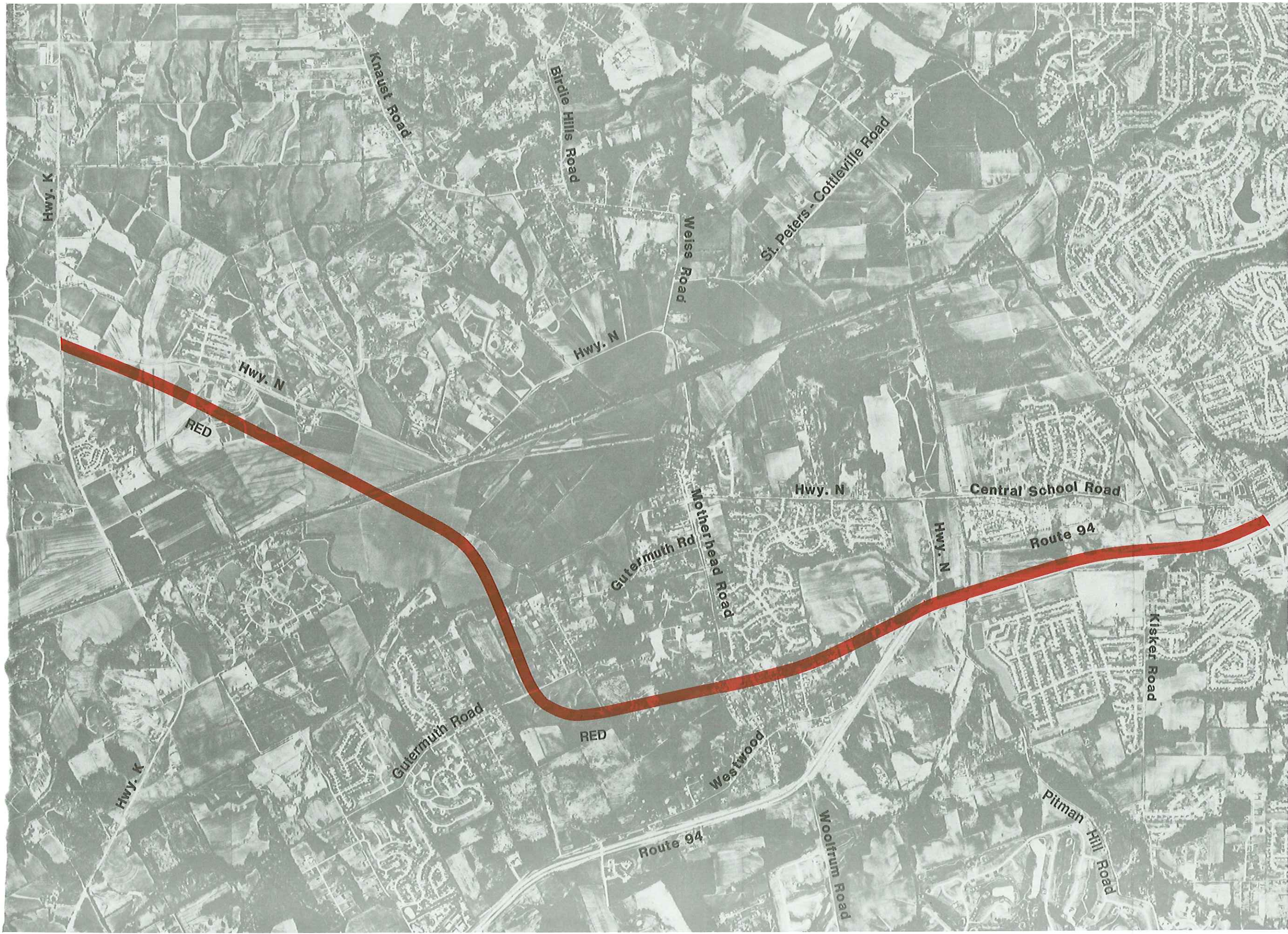


NORTH

Detailed Project Alignment Alternatives

Figure 1.2.2





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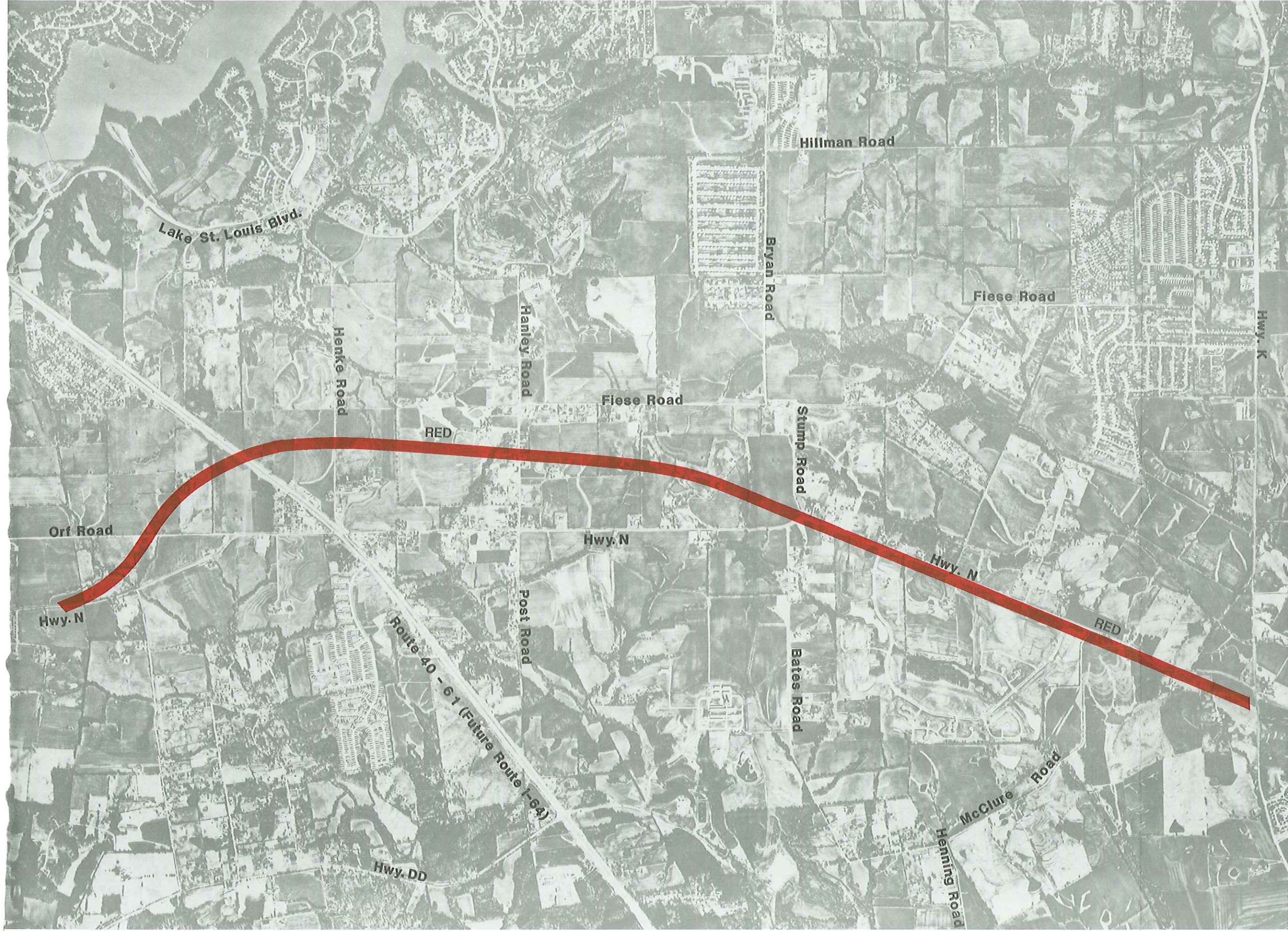
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Detailed Project Alignment Alternatives

Figure 1.2.3



**Final Environmental Impact Statement**

**Page Avenue Extension**  
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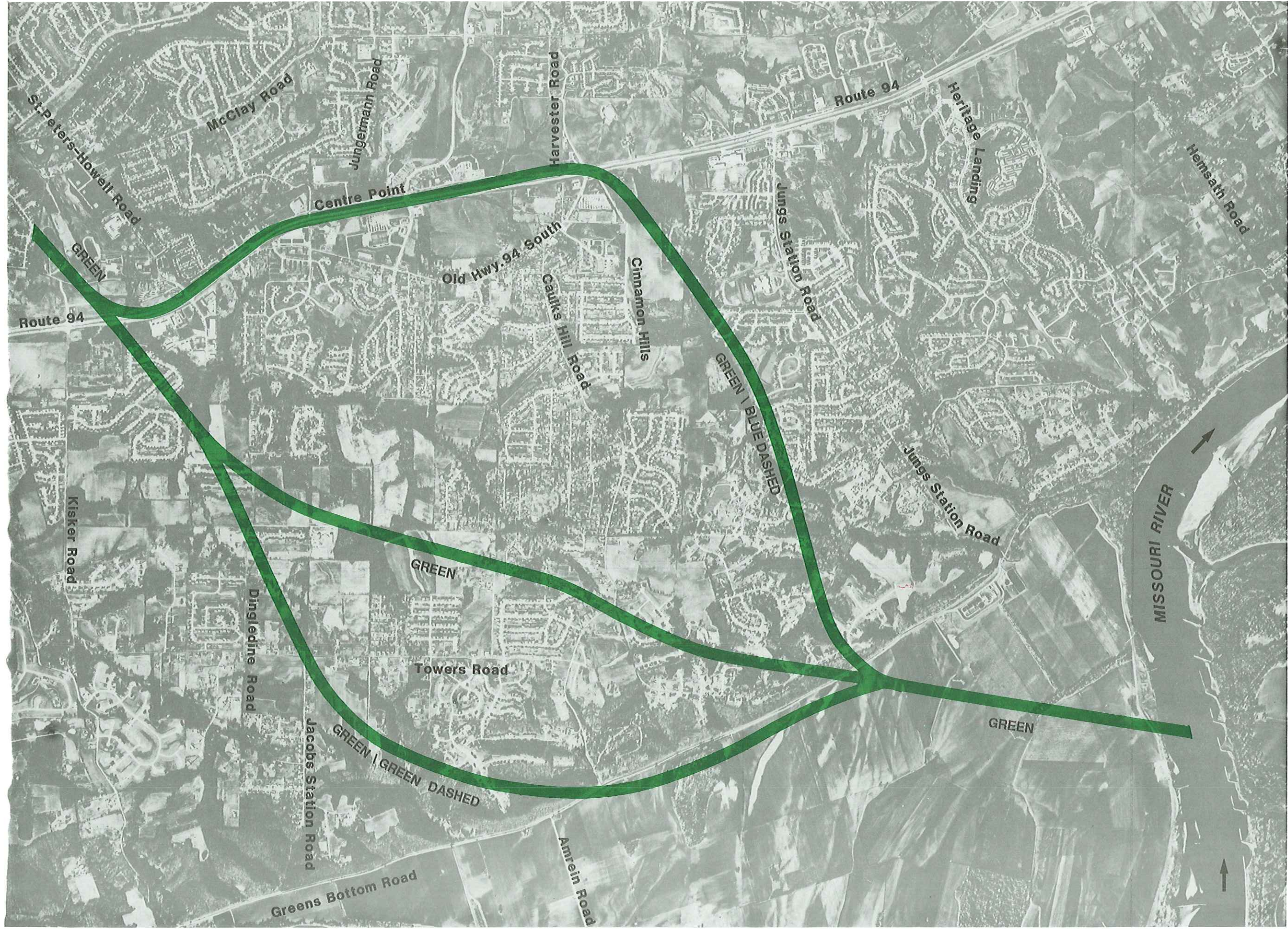
Approximate Scale 1" = 2000'



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Detailed Project Alignment Alternatives

Figure 1.2.4



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St. Charles and St. Louis Counties, Missouri

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Detailed Project Alignment Alternatives

Figure 1.2.5



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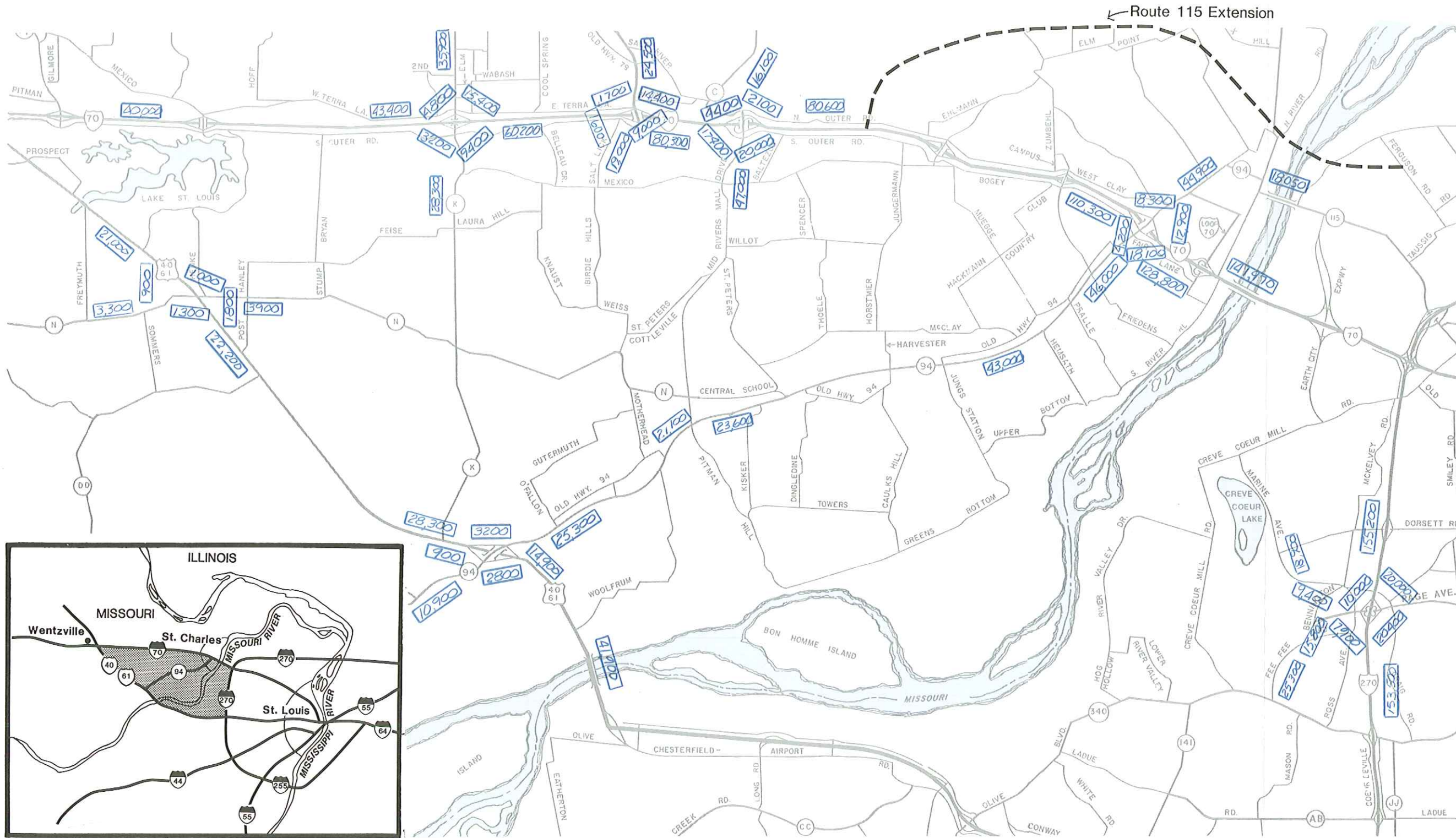
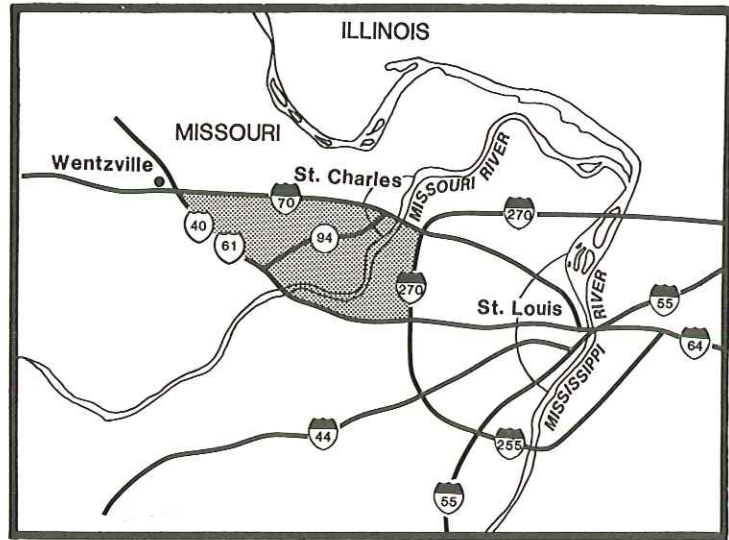
Approximate Scale 1" = 2000'



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Detailed Project Alignment Alternatives

Figure 1.2.6



**LEGEND**

1989 ADT

--- Planned Improvement

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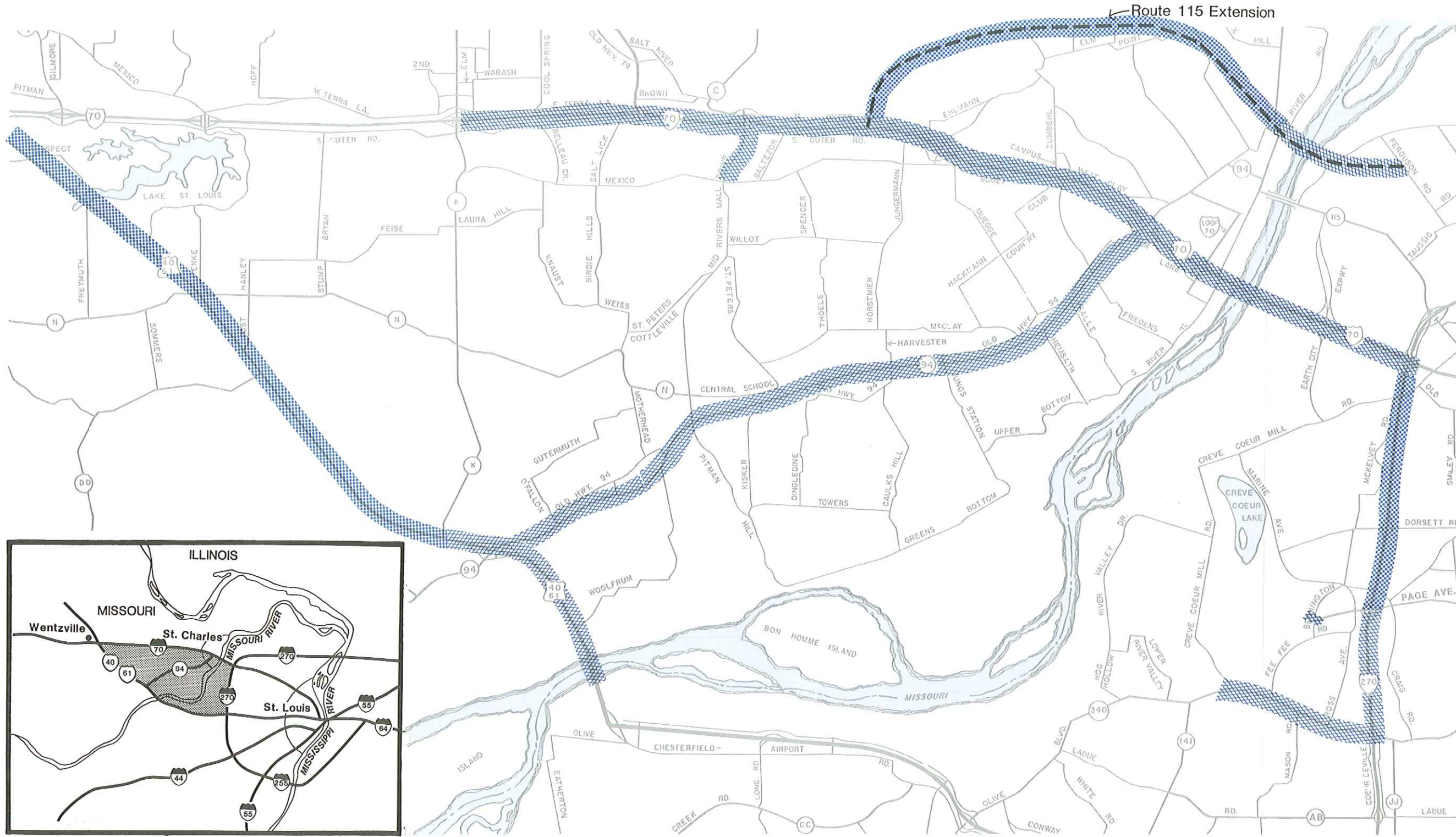
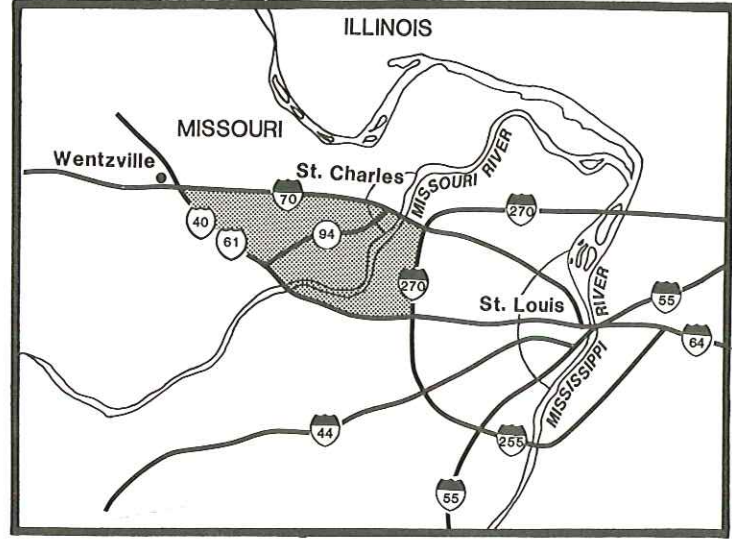
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St. Charles and St. Louis Counties, Missouri



Approximate Scale 1" = 8000'

Existing Volumes

Figure 1.3



**Level of Service**

- E
- F
- Planned Improvement

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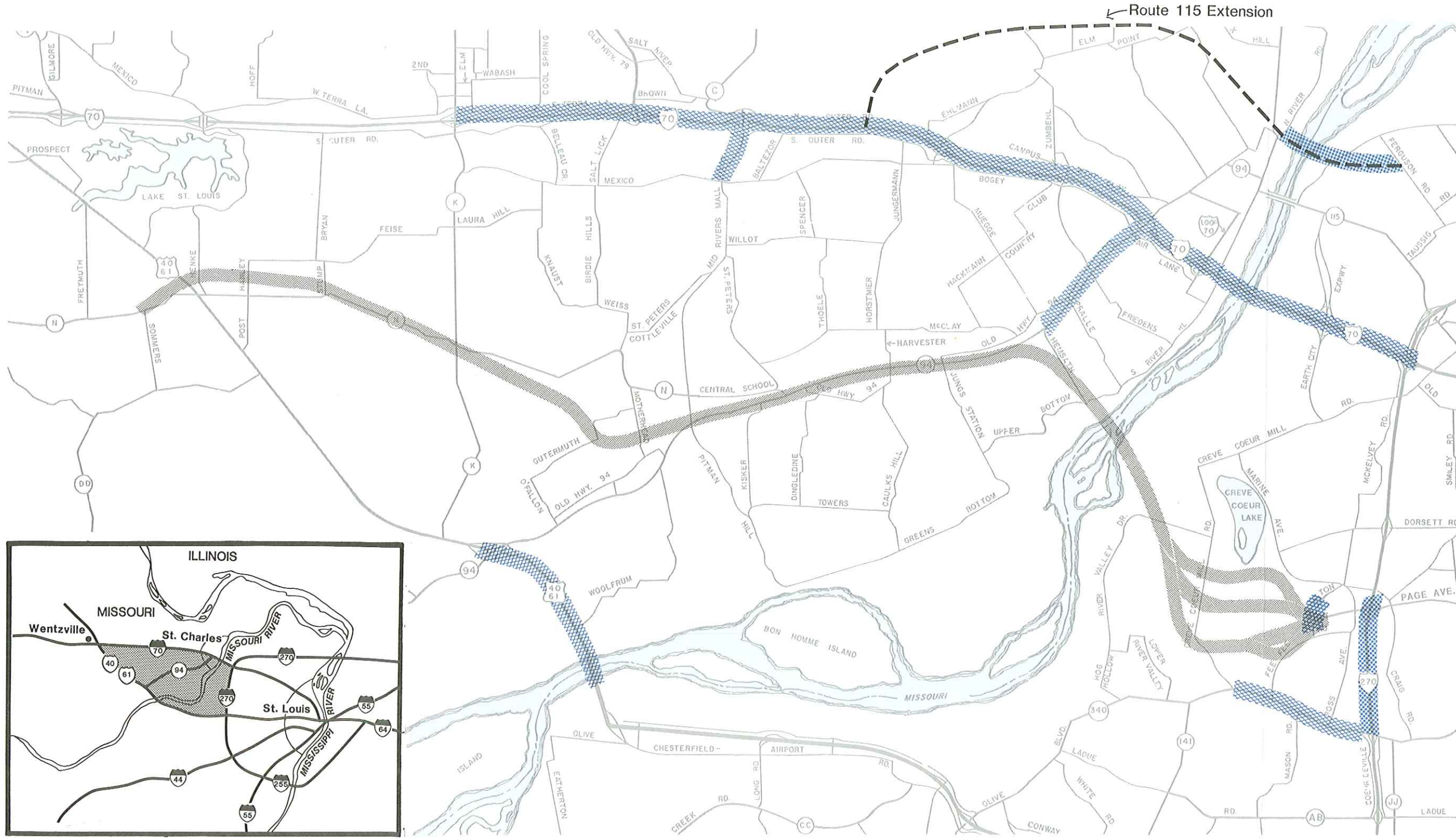
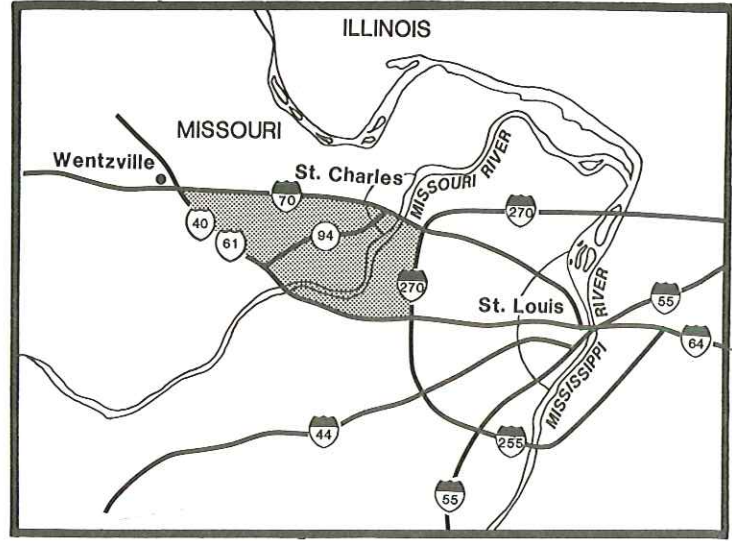
**Page Avenue Extension**  
St. Charles and St. Louis Counties, Missouri



Approximate Scale 1" = 8000'

**No Build Alternate Roadway Deficiencies (2015)**

**Figure 1.4**



Approximate Scale 1" = 8000'

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## Page Avenue Extension St. Charles and St. Louis Counties, Missouri

Red Alignment Roadway Deficiencies (2015)

Figure 1.5

# No Build Roadway Improvements

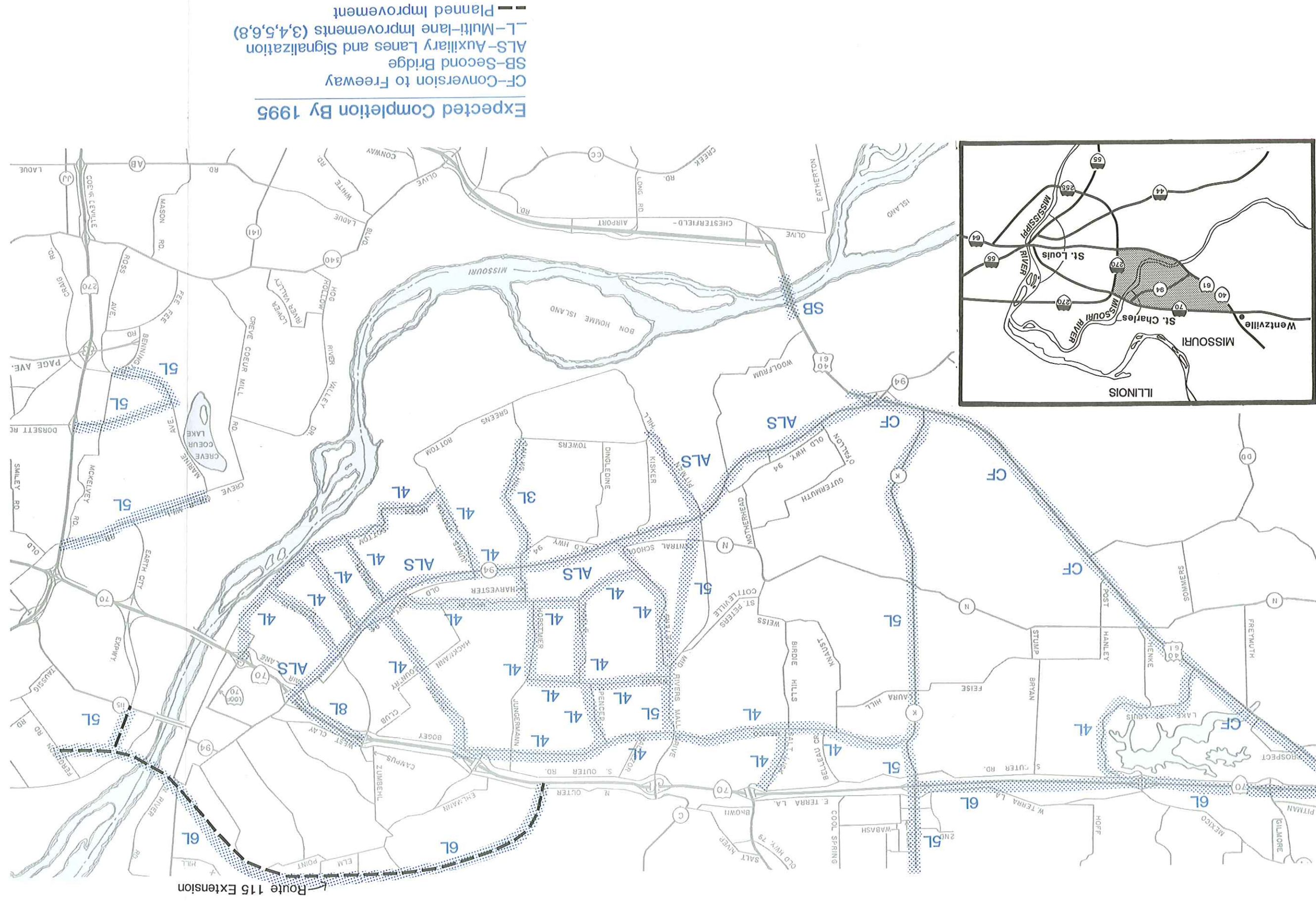


Approximate Scale 1" = 8000'

## Final Environmental Impact Statement

Page Avenue Extension  
St. Charles and St. Louis Counties, Missouri

Figure 2.1





# Final Environmental Impact Statement

# Page Avenue Extension St. Charles and St. Louis Counties, Missouri

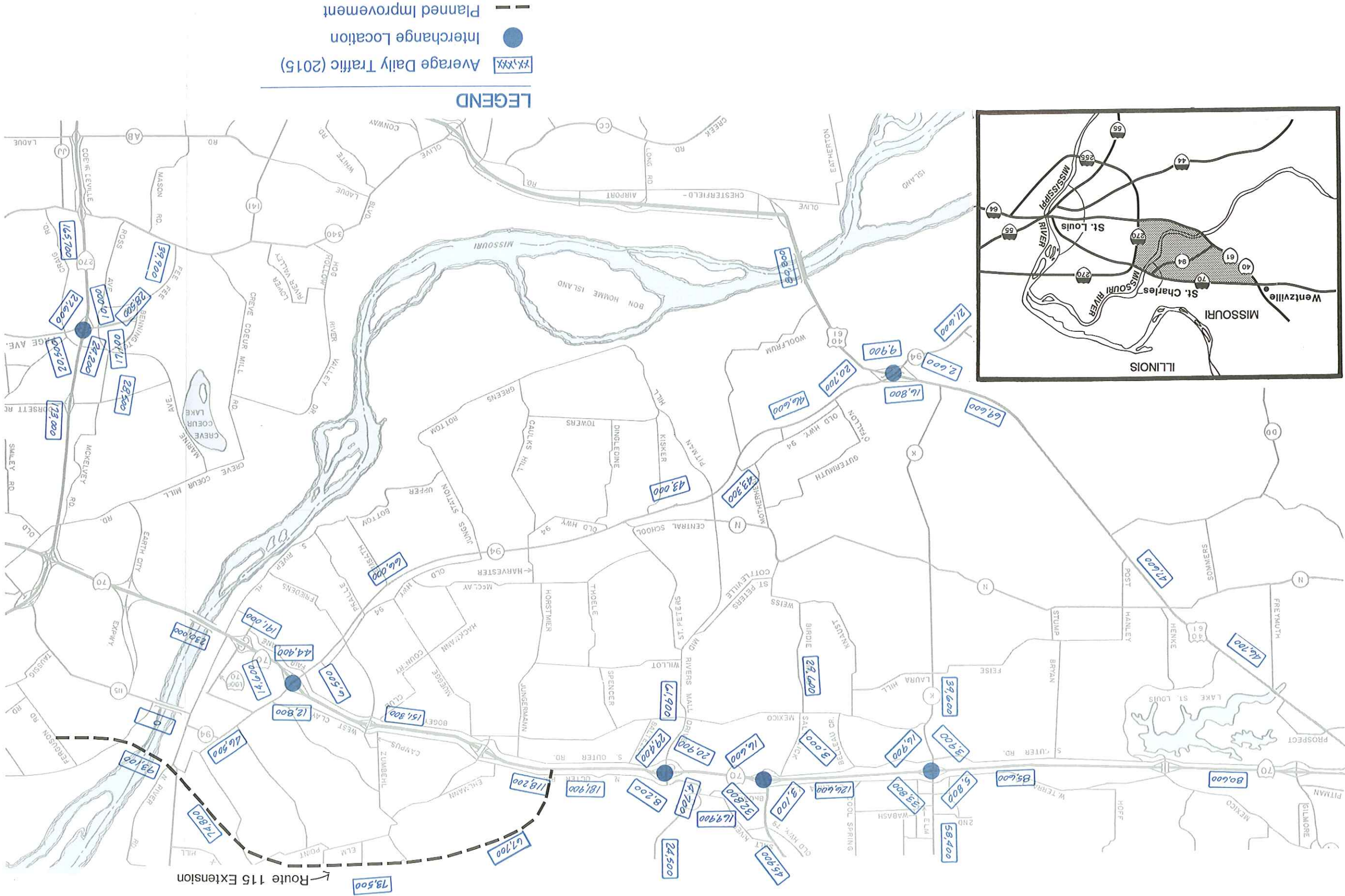
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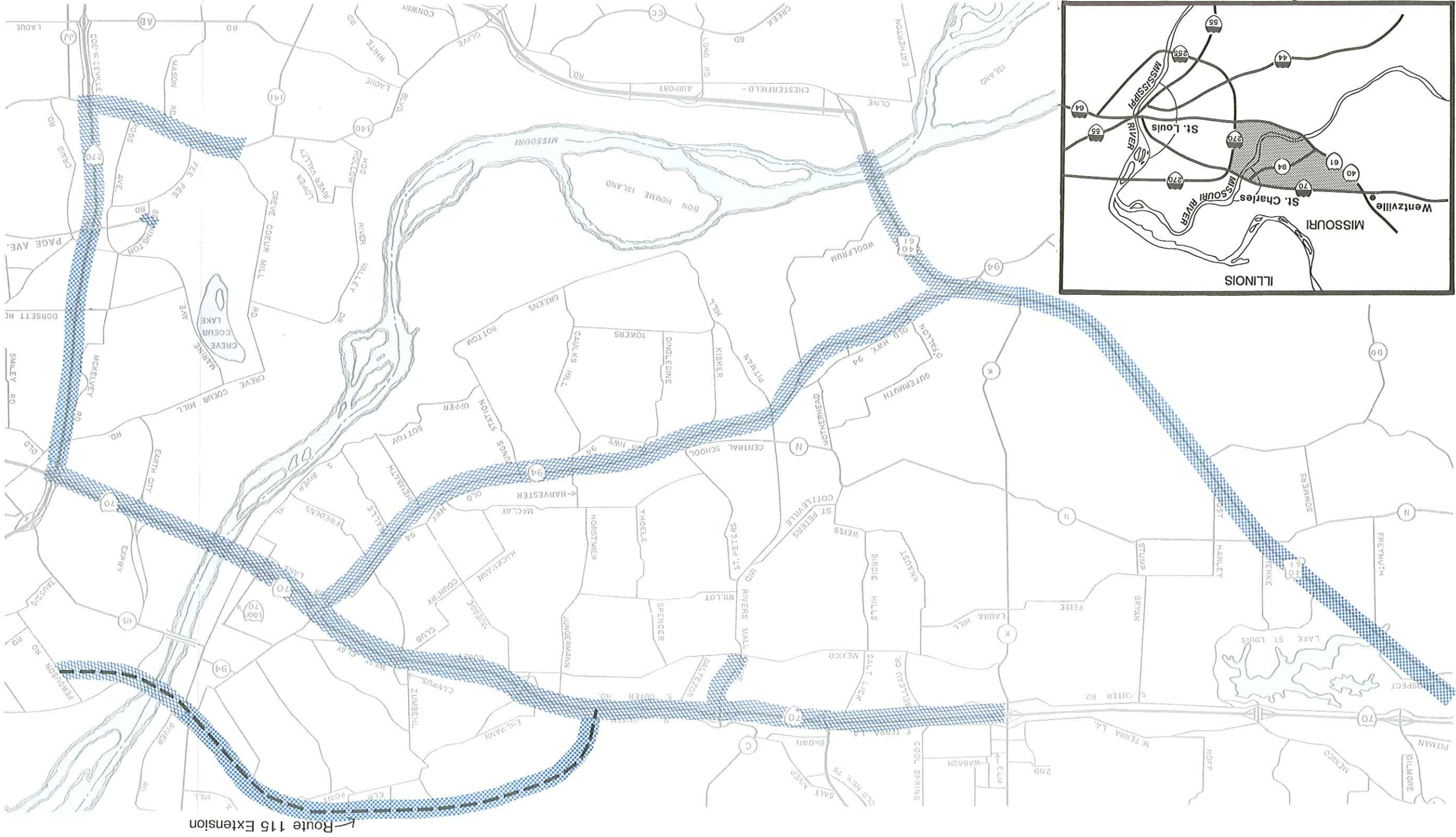
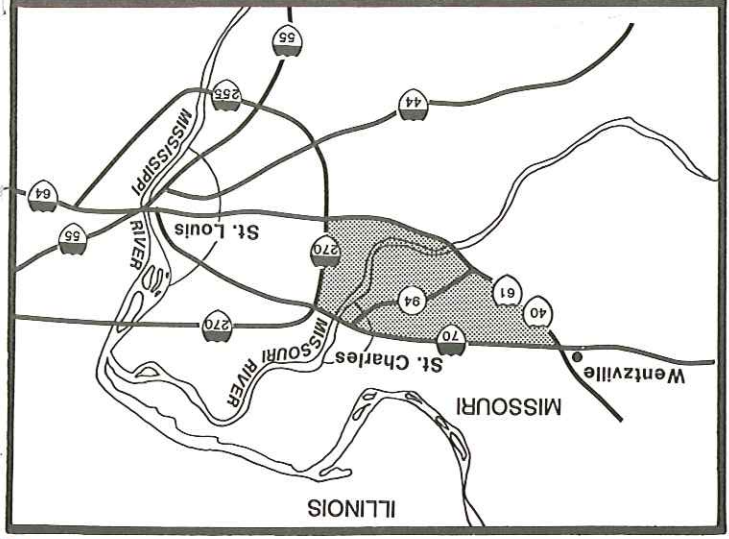


NORTH

No Build Traffic Volumes (2015)

Figure 2.2





- - - - - Planned Improvement  
 [Cross-hatch pattern] F  
 [Cross-hatch pattern] E  
 \_\_\_\_\_ Level of Service

← Route 115 Extension

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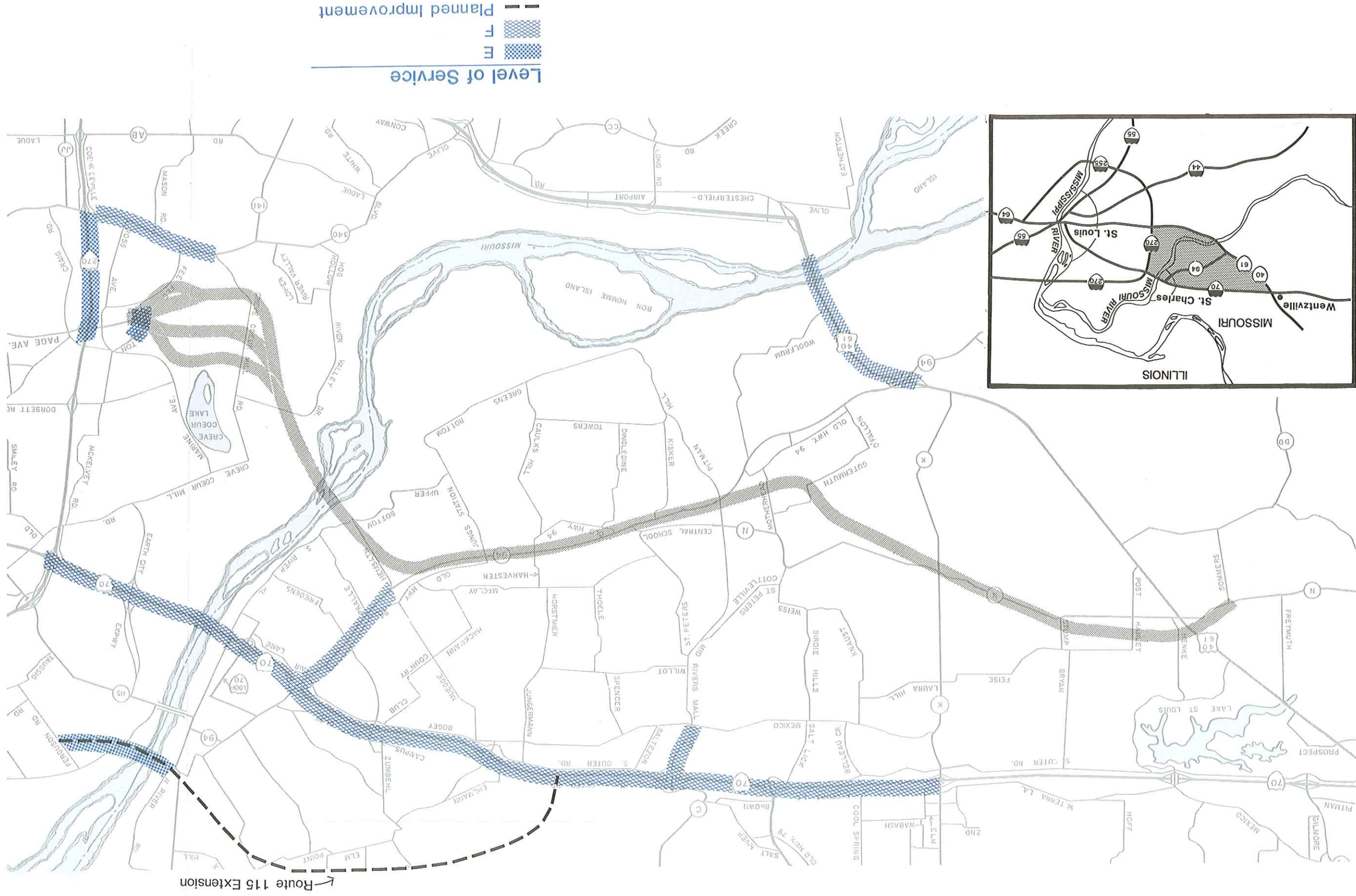
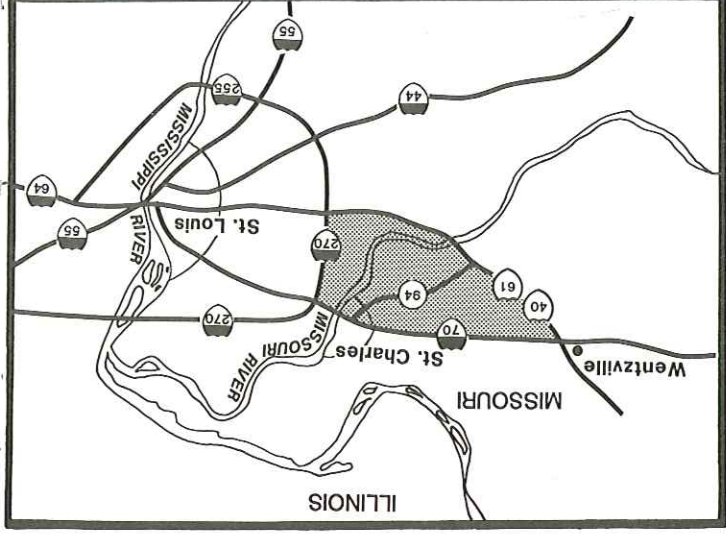
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Approximate Scale 1" = 8000'



No Build Alternate Roadway Deficiencies (2015)

Figure 2.3



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## Page Avenue Extension St. Charles and St. Louis Counties, Missouri

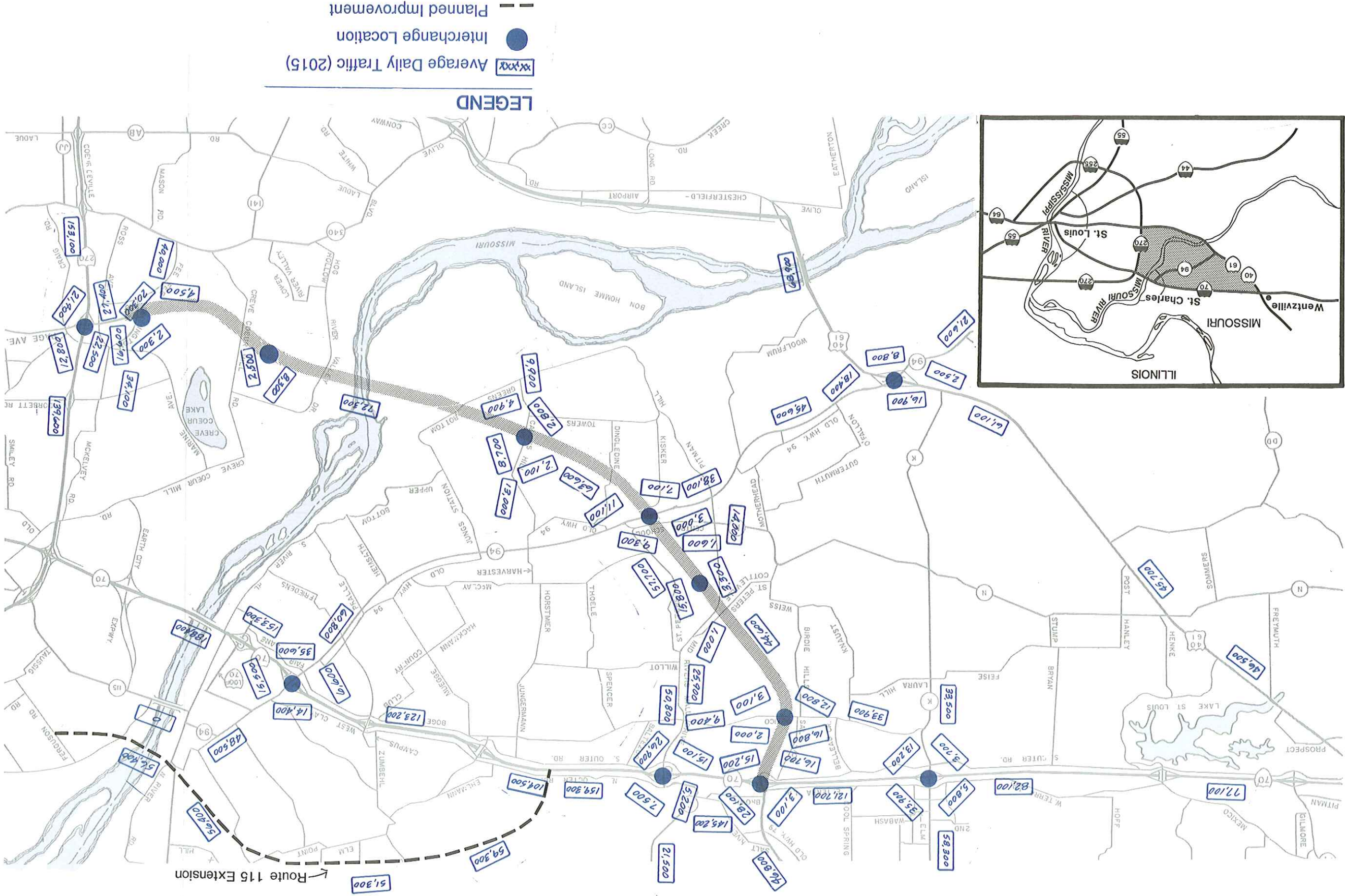
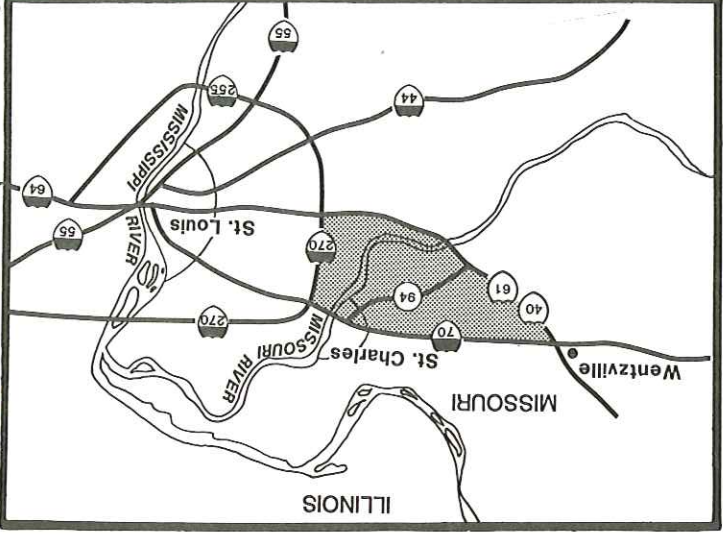
Approximate Scale 1" = 8000'



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Red Alignment Roadway Roadway Deficiencies (2015)

Figure 2.5



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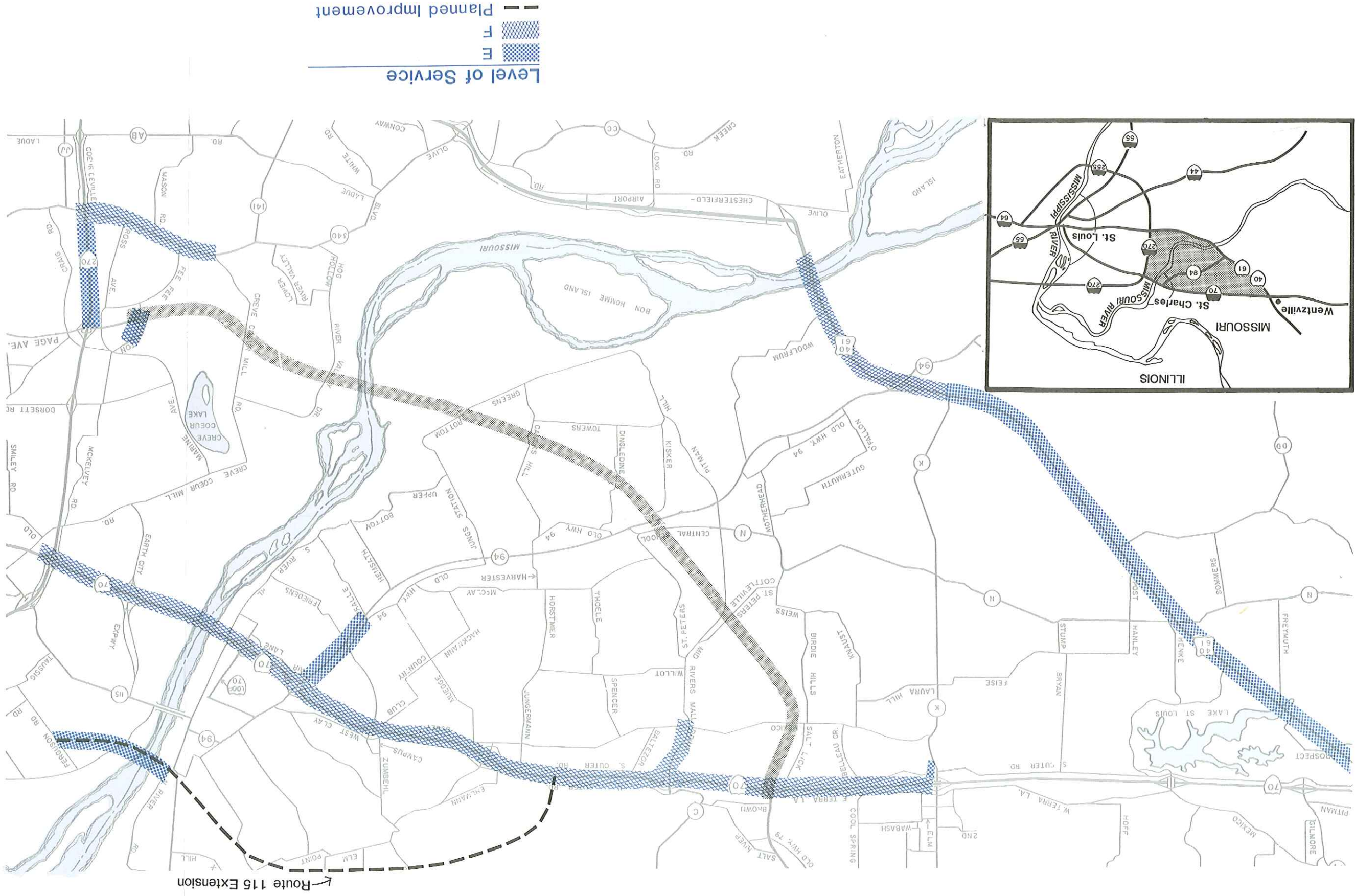
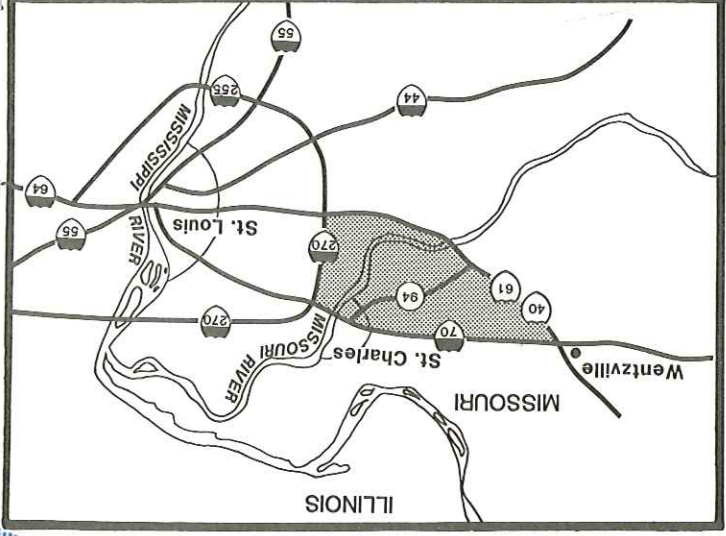
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Green Alignment Traffic Volumes (2015)

Figure 2.6



← Route 115 Extension

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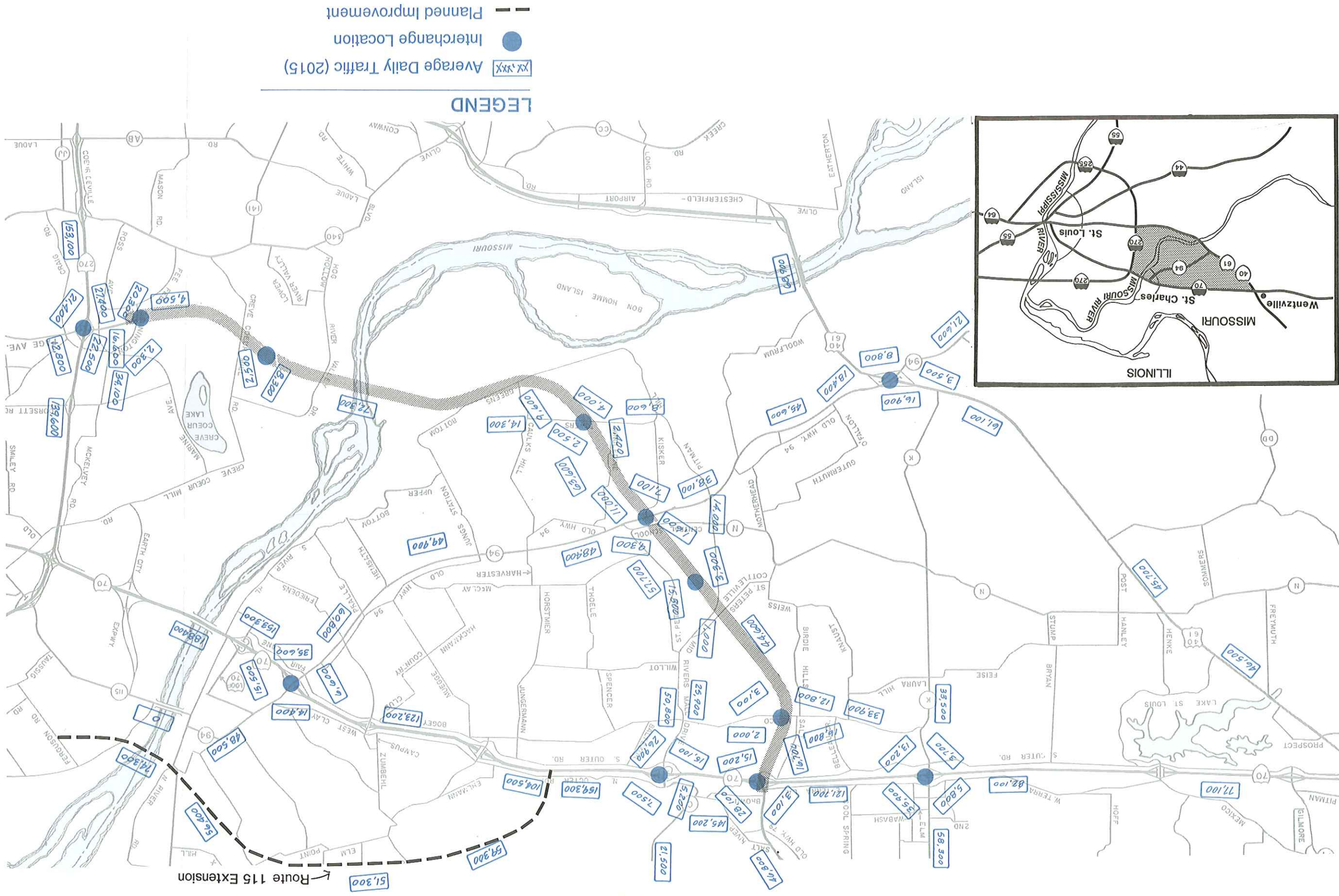
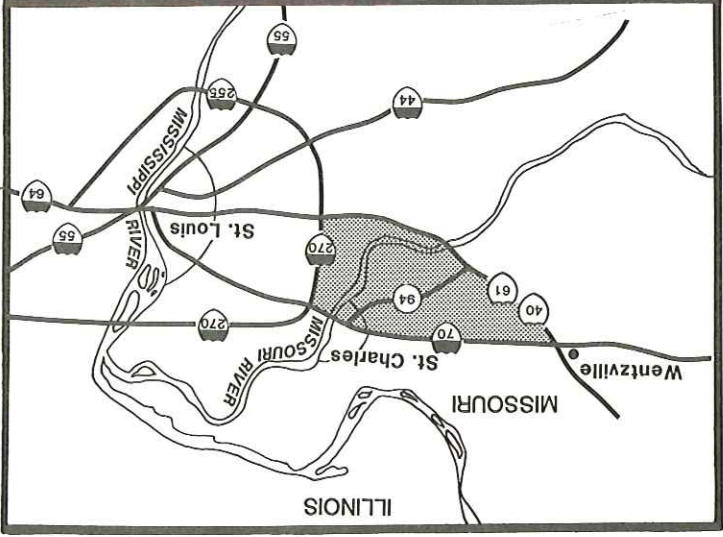
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Green Alignment Roadway Deficiencies (2015)

Figure 2.7



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## Page Avenue Extension

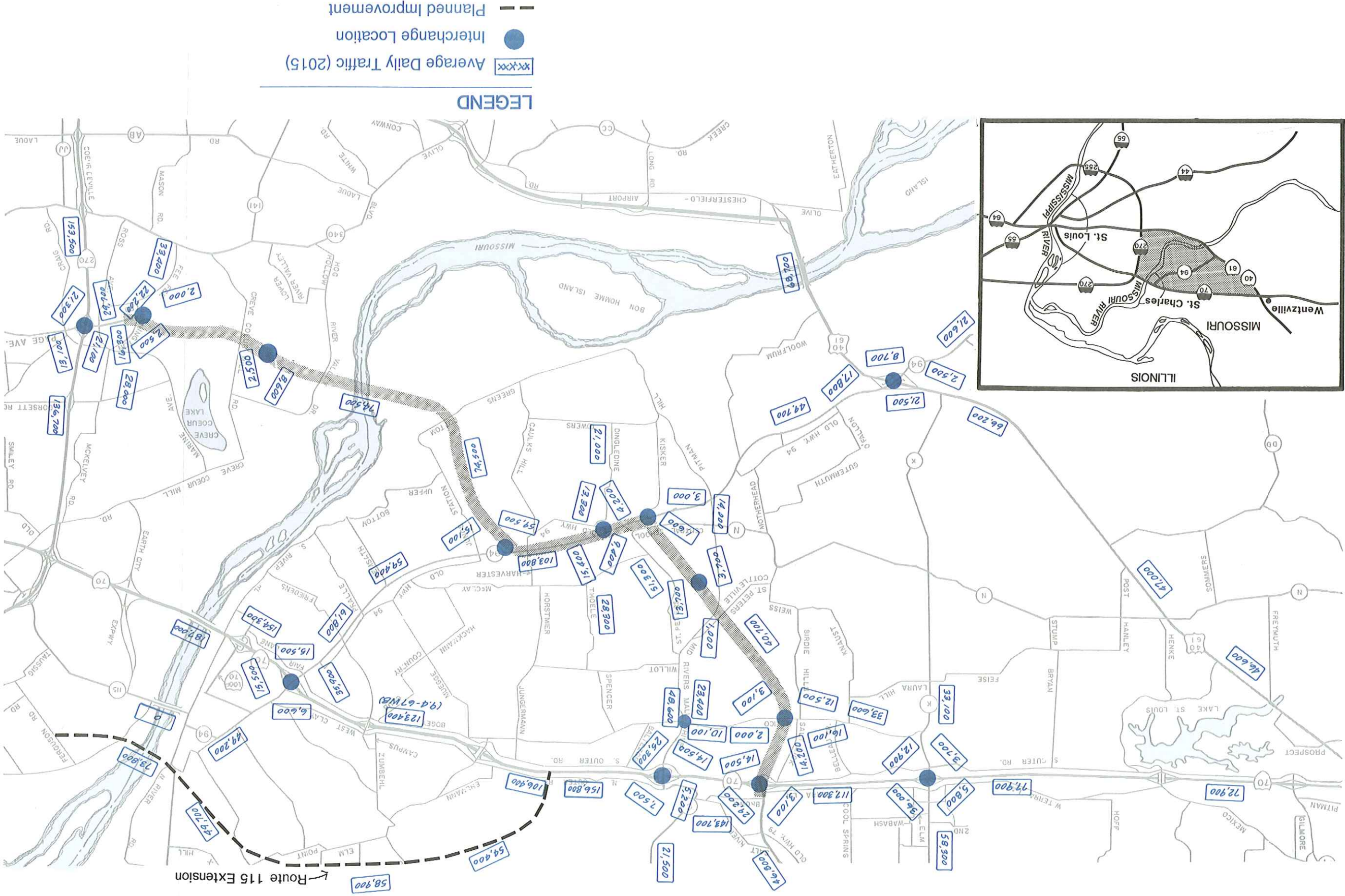
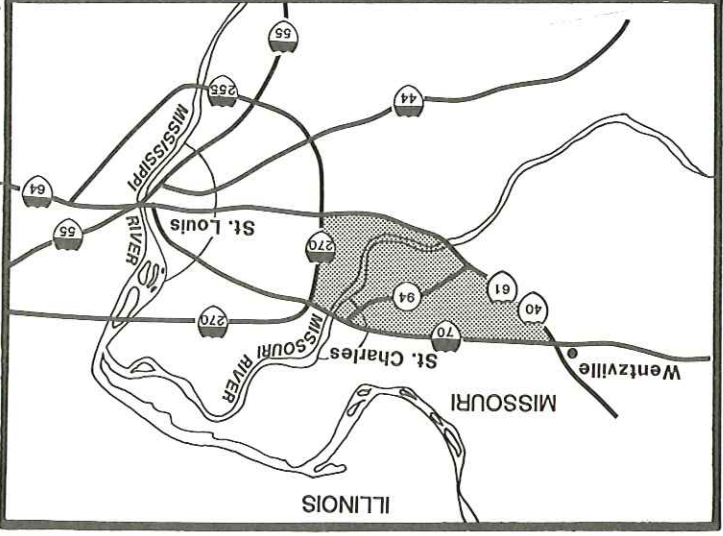
St. Charles and St. Louis Counties, Missouri

Approximate Scale 1" = 8000'



Green/Green Dashed Alignment Traffic Volumes (2015)

Figure 2.8



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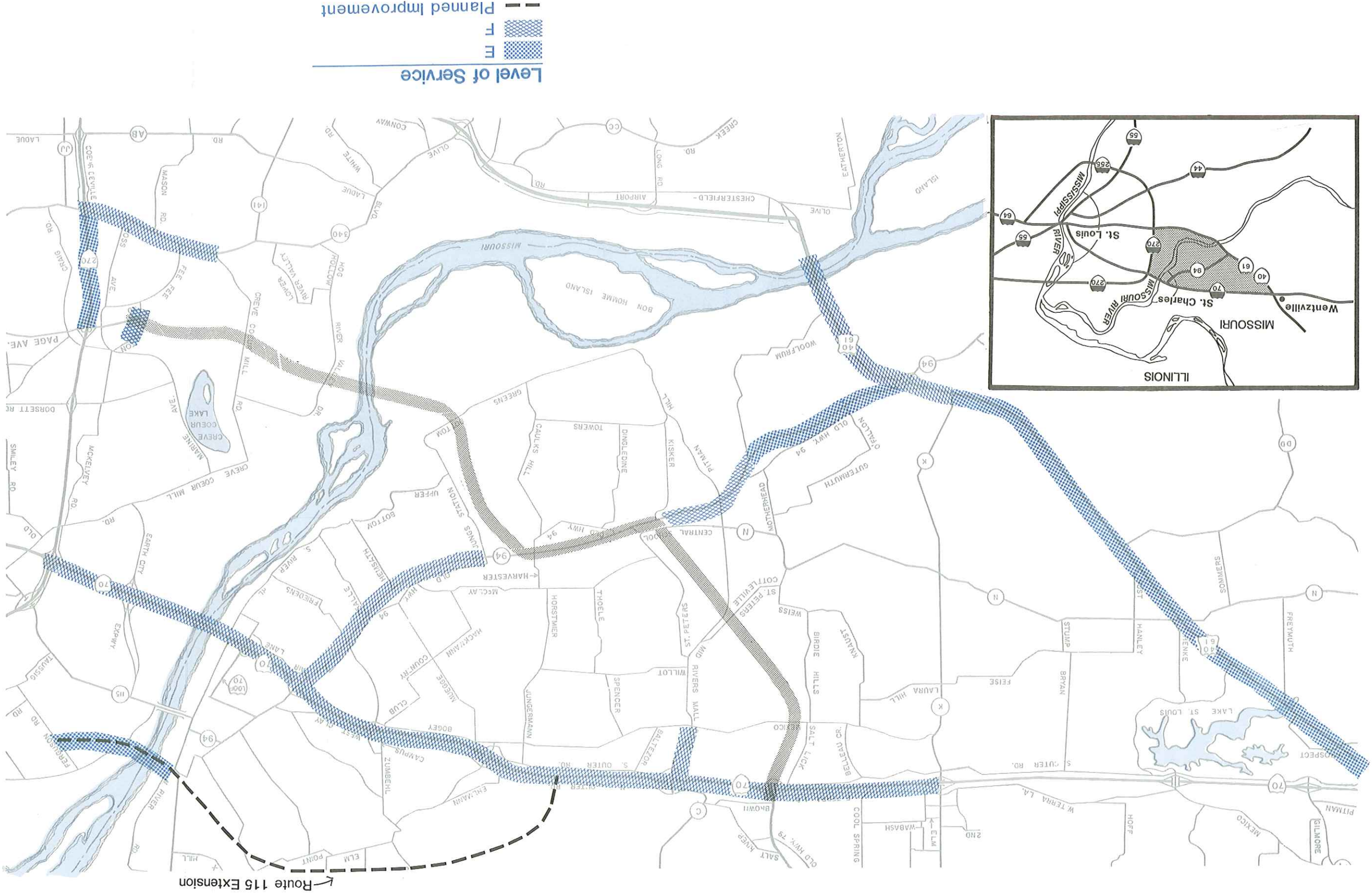
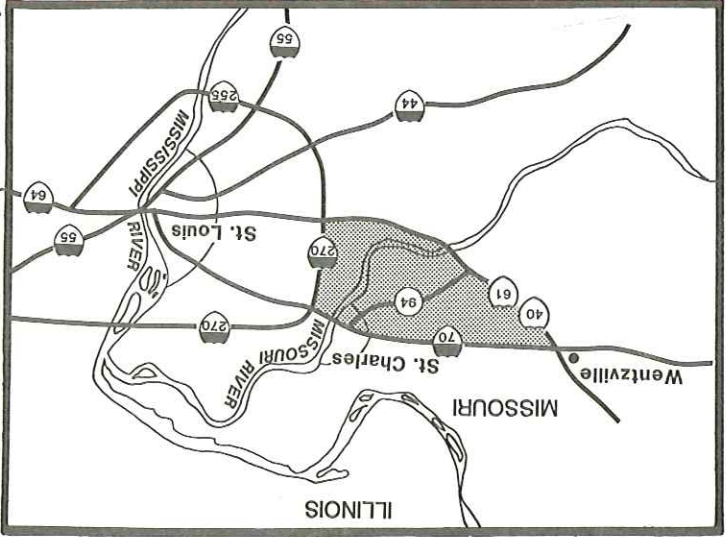
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Green/Blue Dashed Alignment Traffic Volumes (2015)

Figure 2.9



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Page Avenue Extension  
St. Charles and St. Louis Counties, Missouri

Approximate Scale 1" = 8000'

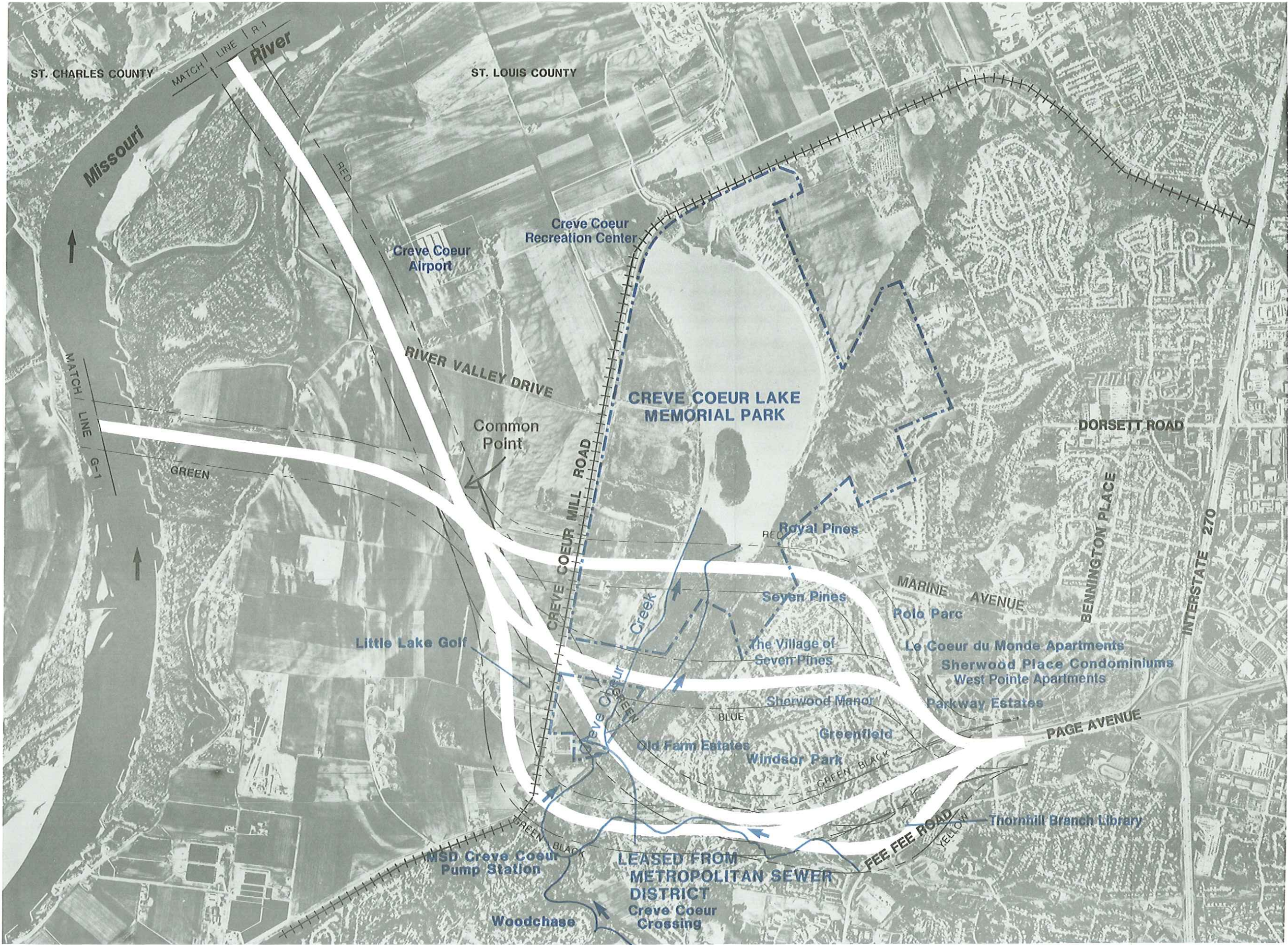


Green/Blue Dashed Alignment Roadway Deficiencies (2015)

Figure 2.10







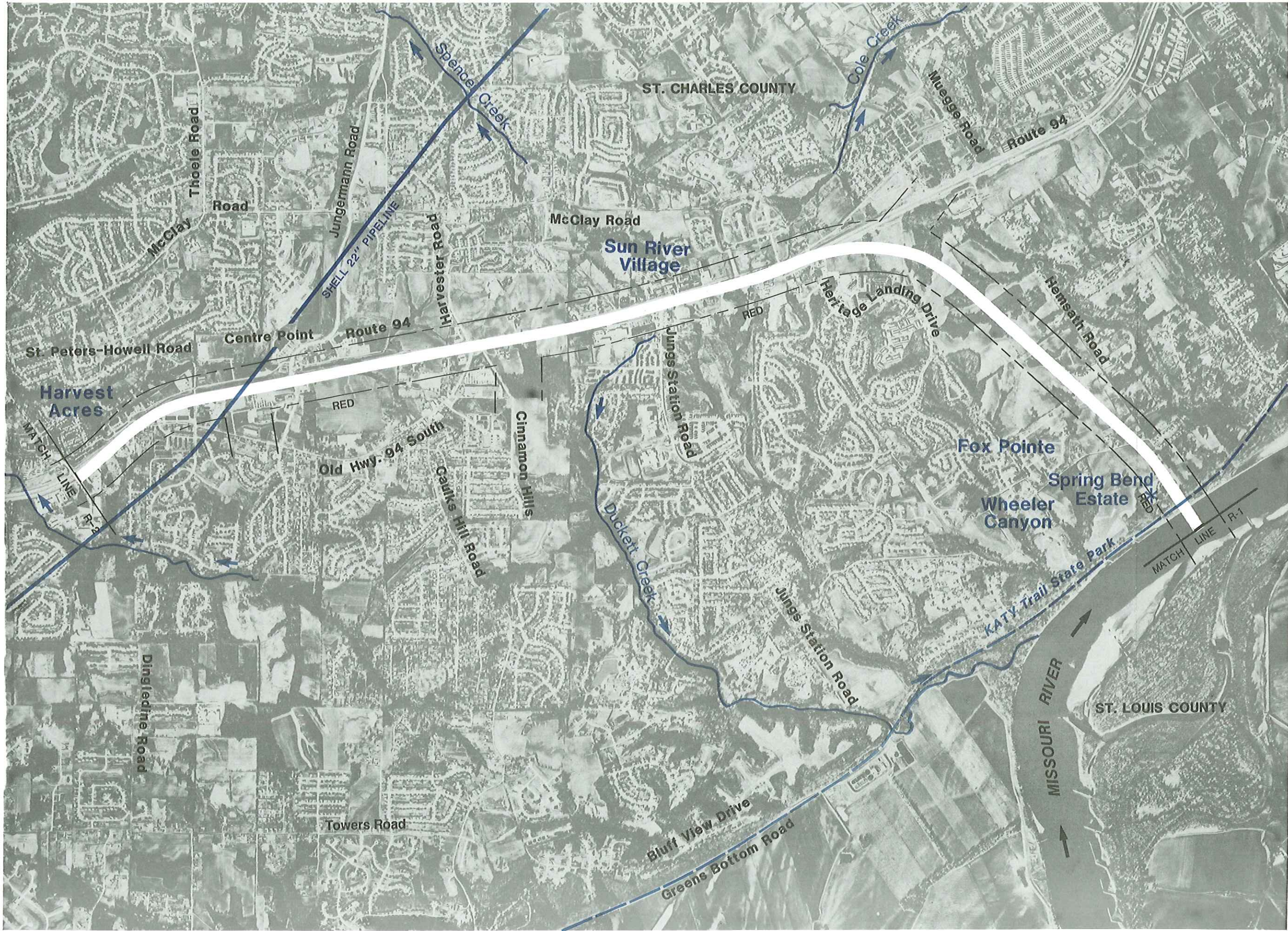
# Final Environmental Impact Statement

## Page Avenue Extension

St. Charles and St. Louis Counties, Missouri

Project Alignment and Features

Figure 3.2.1



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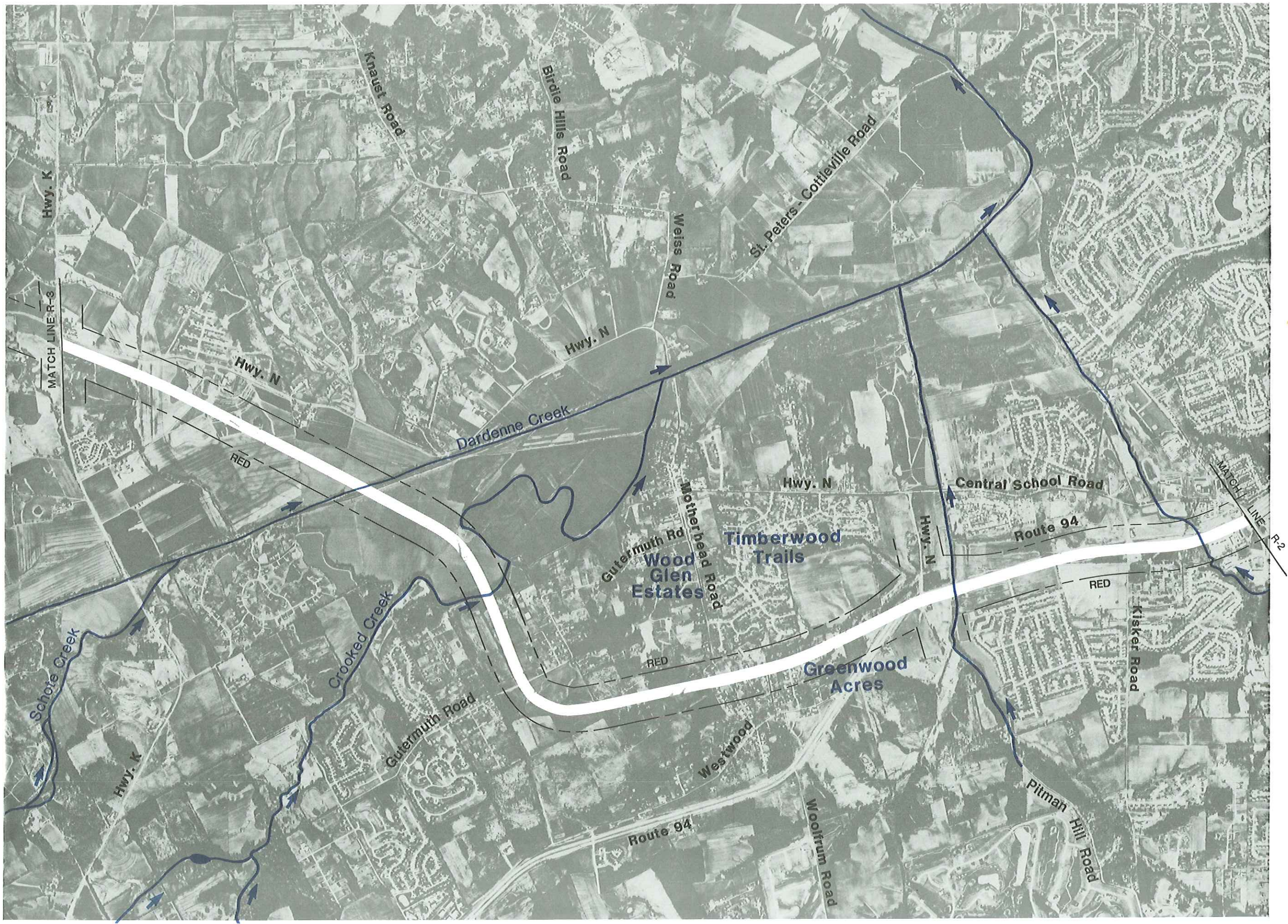
**Page Avenue Extension**  
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Approximate Scale 1" = 2000'



**Project Alignment and Features**

**Figure 3.2.2**



# Final Environmental Impact Statement

## Page Avenue Extension

St. Charles and St. Louis Counties, Missouri

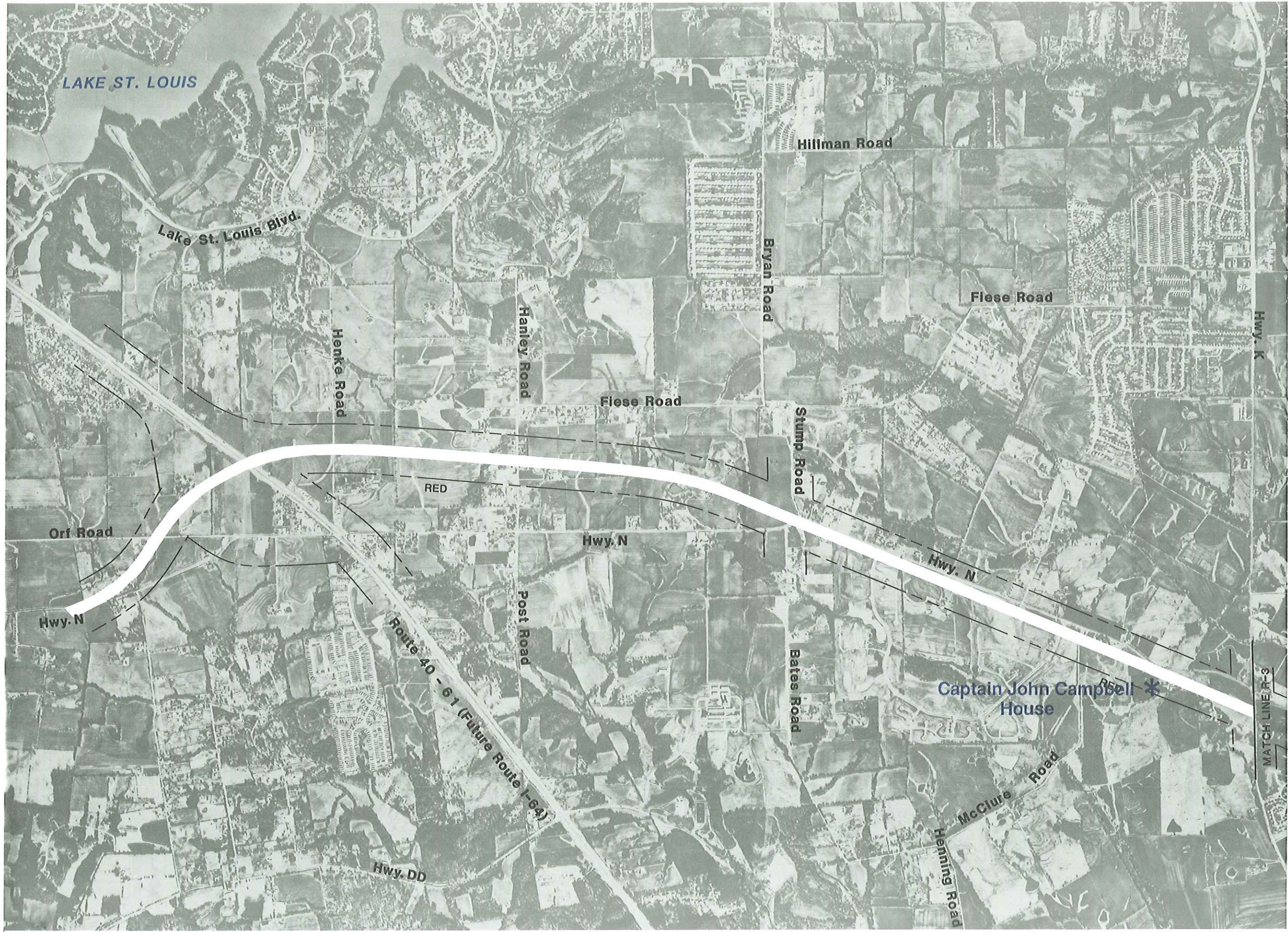
Approximate Scale 1" = 2000'



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Project Alignment and Features

Figure 3.2.3



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**Page Avenue Extension**

St. Charles and St. Louis Counties, Missouri

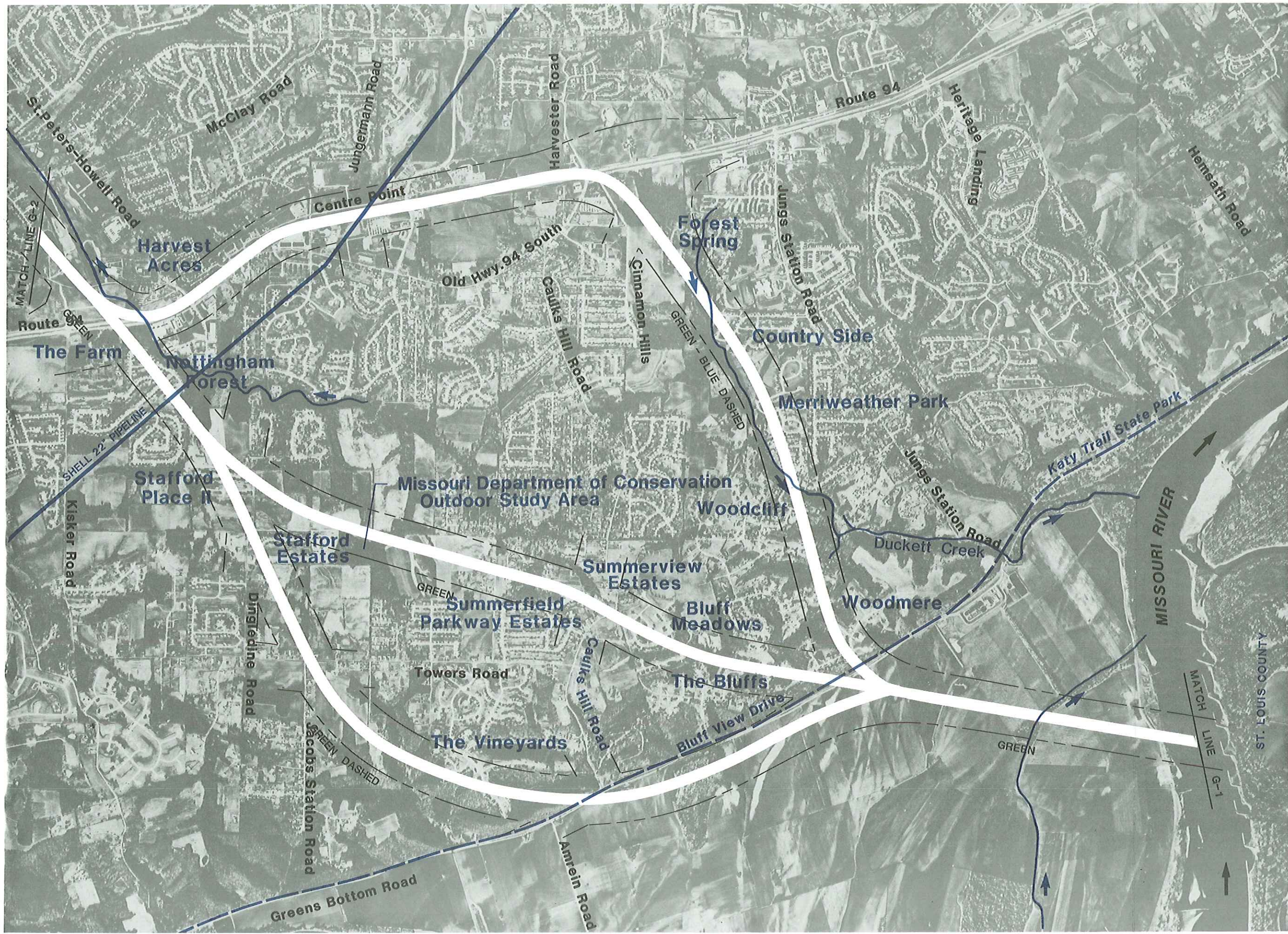


NORTH

Approximate Scale 1" = 2000'

**Project Alignment and Features**

**Figure 3.2.4**



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**Page Avenue Extension**

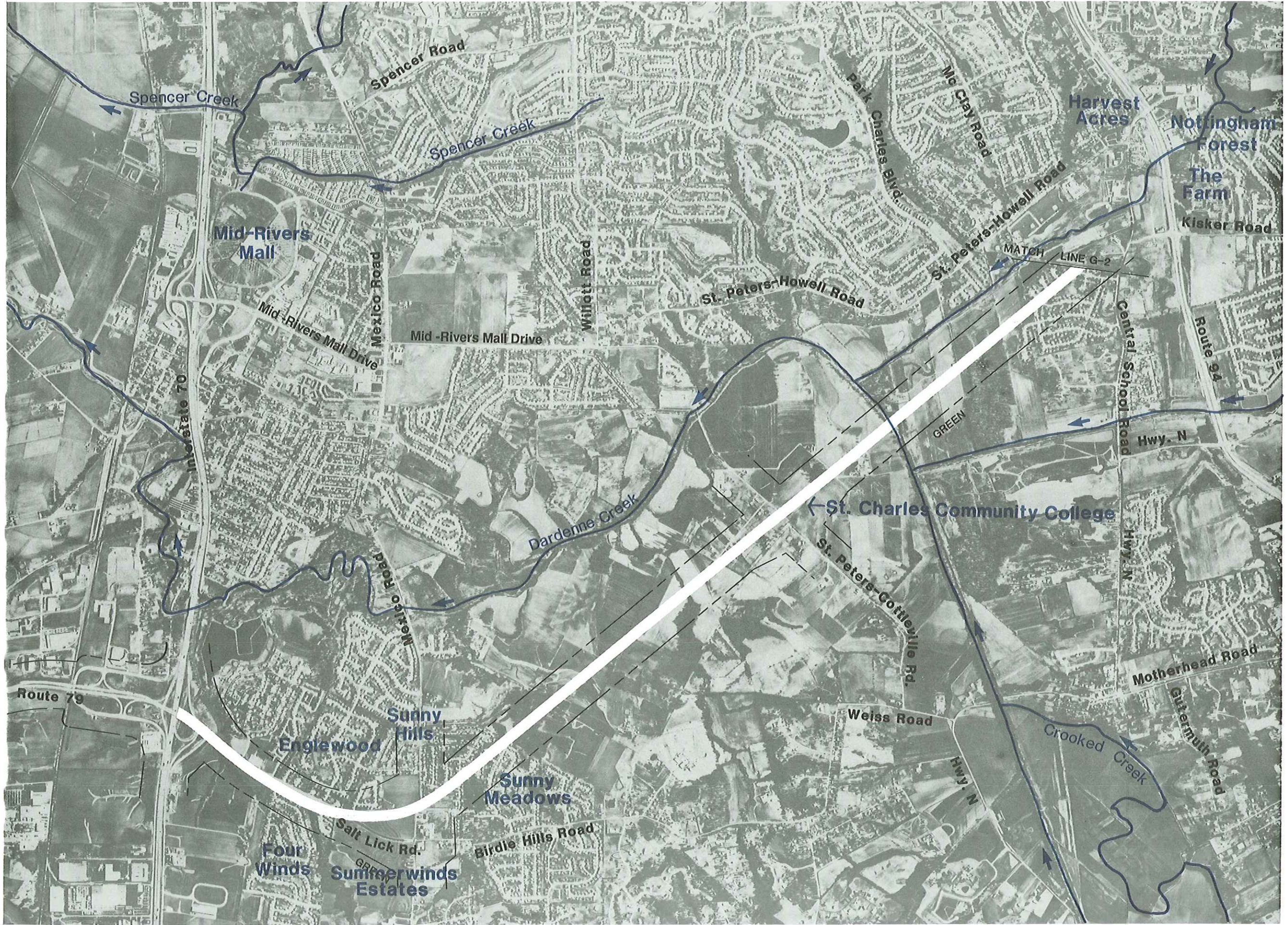
St. Charles and St. Louis Counties, Missouri



Approximate Scale 1" = 2000'

**Project Alignment and Features**

**Figure 3.2.5**



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**Page Avenue Extension**

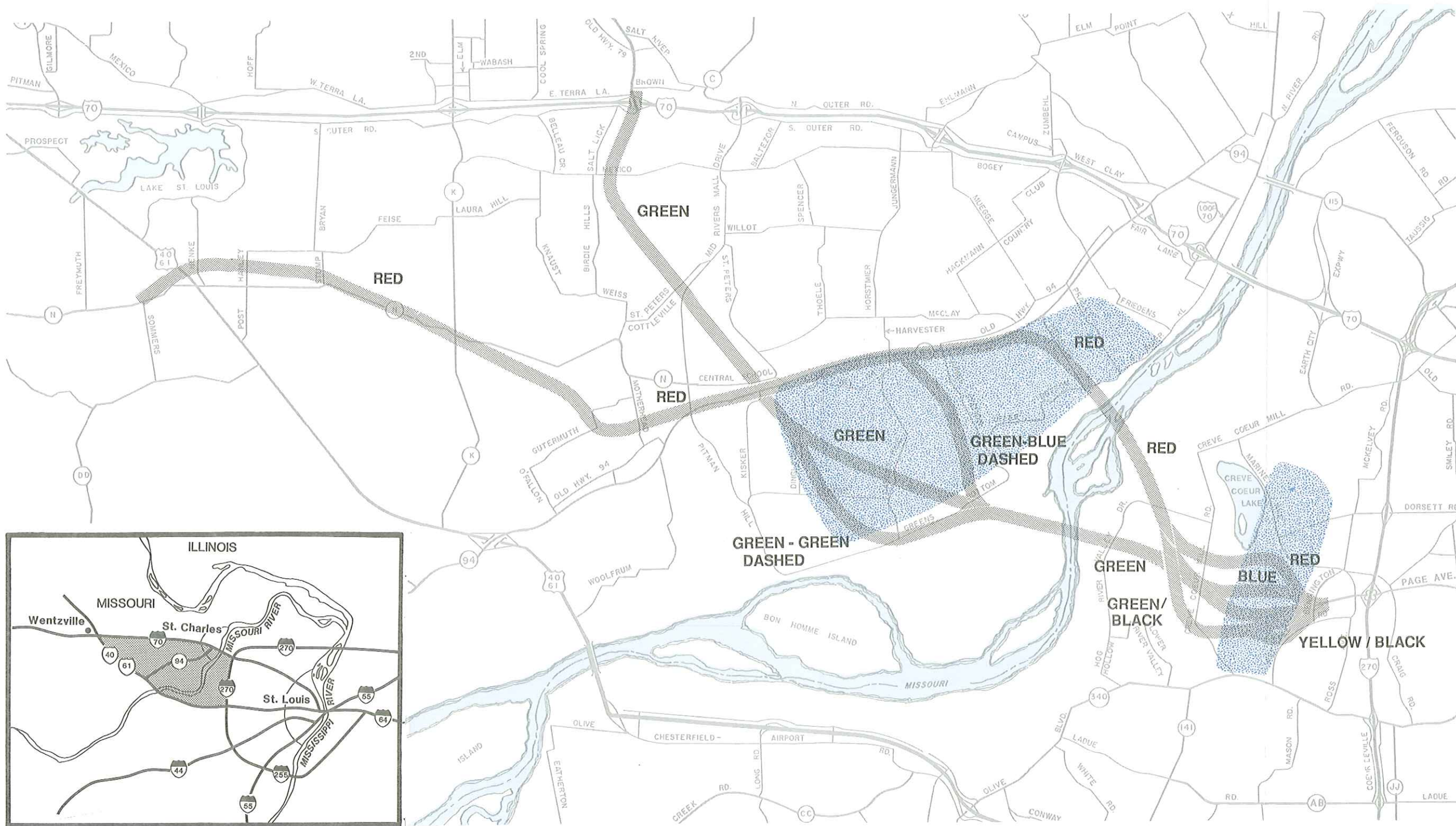
St. Charles and St. Louis Counties, Missouri

Approximate Scale 1" = 2000'



Project Alignment and Features

Figure 3.2.6



SOURCES: Engineering Geology of Creve Coeur Quadrangle, Missouri Geological Survey.

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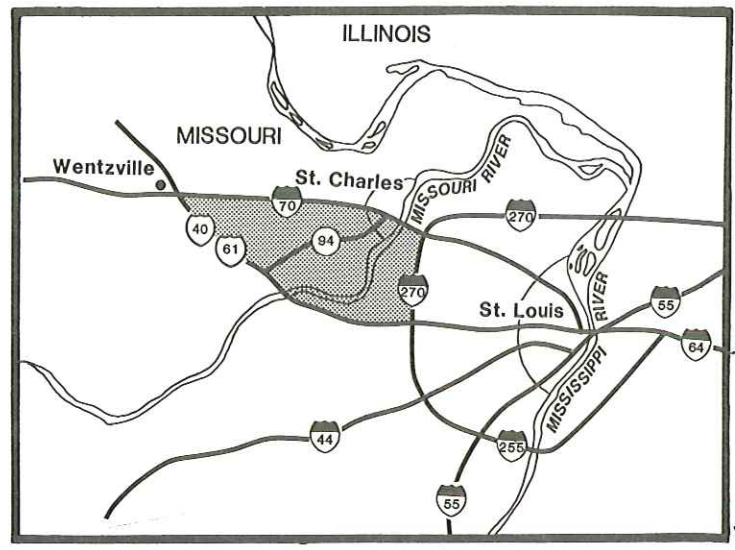
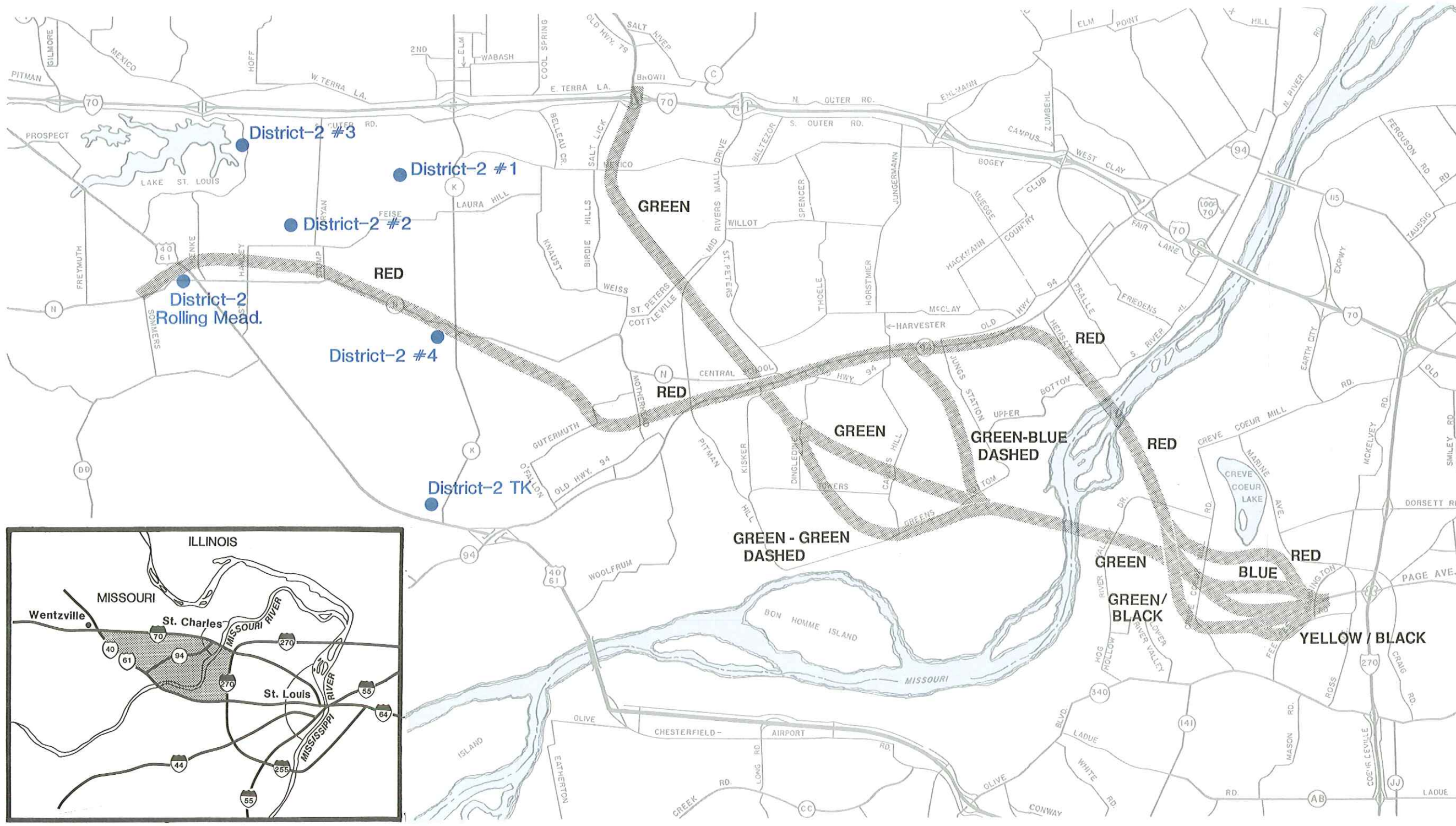
Approximate Scale 1" = 8000'



Potential Karst Areas

Figure 3.3





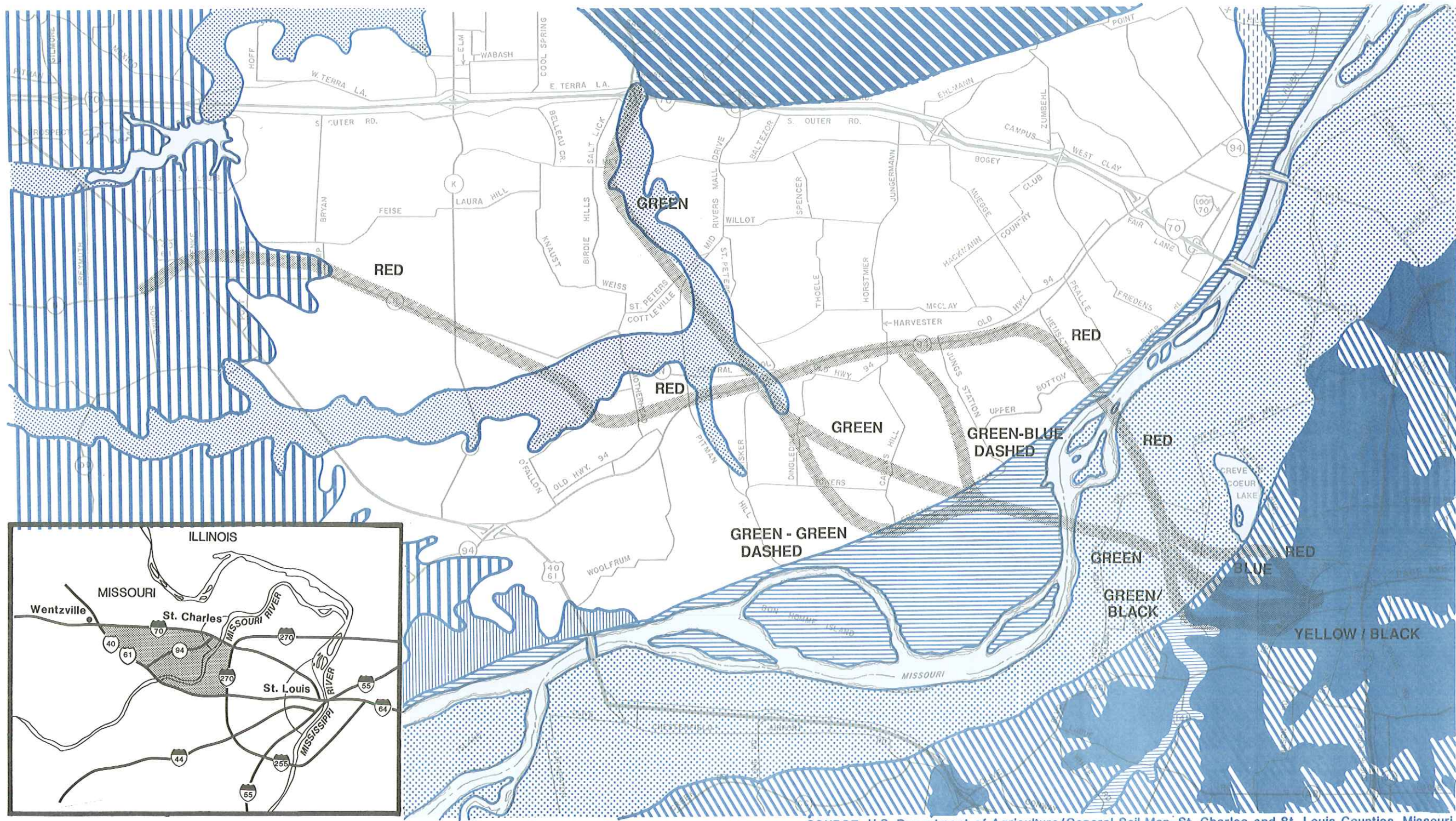
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**Water Supply Wells in Project Area**

**Figure 3.4**



SOURCE: U.S. Department of Agriculture/General Soil Map—St. Charles and St. Louis Counties, Missouri.

**LEGEND**

- |   |  |  |   |
|---|--|--|---|
| <ul style="list-style-type: none"> <li> <b>Armster-Mexico-Hatton association:</b> Gently sloping and moderately sloping, moderately well drained and somewhat poorly drained soils formed in loess and clayey glacial till; on uplands</li> <li> <b>Menfro-Harvester-Weller association:</b> Nearly level to steep, well drained and moderately well drained soils formed in loess and silty fill material; on uplands</li> <li> <b>Portage-Carlow-Kampville association:</b> Nearly level, very poorly drained to somewhat poorly drained soils formed in clayey and silty alluvium; on flood plains</li> </ul> | <ul style="list-style-type: none"> <li> <b>Haynie-Blake-Waldron association:</b> Nearly level, well drained and somewhat poorly drained soils formed in silty, loamy, and clayey alluvium; on flood plains</li> <li> <b>Goss-Crider-Gatewood association:</b> Moderately sloping to very steep, well drained soils formed in loess and residuum weathered from cherty dolomite, shale, and limestone; on uplands</li> <li> <b>Dockery-Haymond-Sensabaugh association:</b> Nearly level, somewhat poorly drained and well drained soils formed in silty and cherty, loamy alluvium; on flood plains</li> </ul> | <ul style="list-style-type: none"> <li> <b>Lomax-Blase association:</b> Nearly level, well drained and somewhat poorly drained soils formed in loamy, sandy and clayey alluvium; on terraces</li> <li> <b>Blake-Eudora-Waldron association:</b> Nearly level, somewhat poorly drained and well drained, deep soils formed in alluvial sediment; on flood plains</li> <li> <b>Wilbur-Haymond-Elsah association:</b> Nearly level and gently sloping, moderately well drained to somewhat excessively drained, deep soils formed in alluvial sediment; on flood plains</li> </ul> | <ul style="list-style-type: none"> <li> <b>Menfro-Winfield-Urban association:</b> Gently sloping to very steep, well drained and moderately well drained, deep soils formed in loess, and Urban land; on uplands</li> <li> <b>Urban land-Harvester-Fishpot association:</b> Urban land and nearly level to moderately steep, moderately well drained and somewhat poorly drained, deep soils formed in silty fill material, loess, and alluvium; on uplands, terraces, and bottomlands</li> </ul> |
|---|--|--|---|

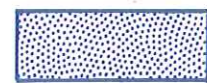
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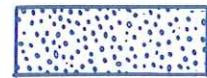
Approximate Scale 1" = 8000'

# Vegetative Cover

LEGEND - Figures 3.6.1 thru 3.6.6



Cultivated



Pasture



Developed



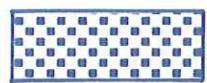
Upland Woods



Grass-Old Field



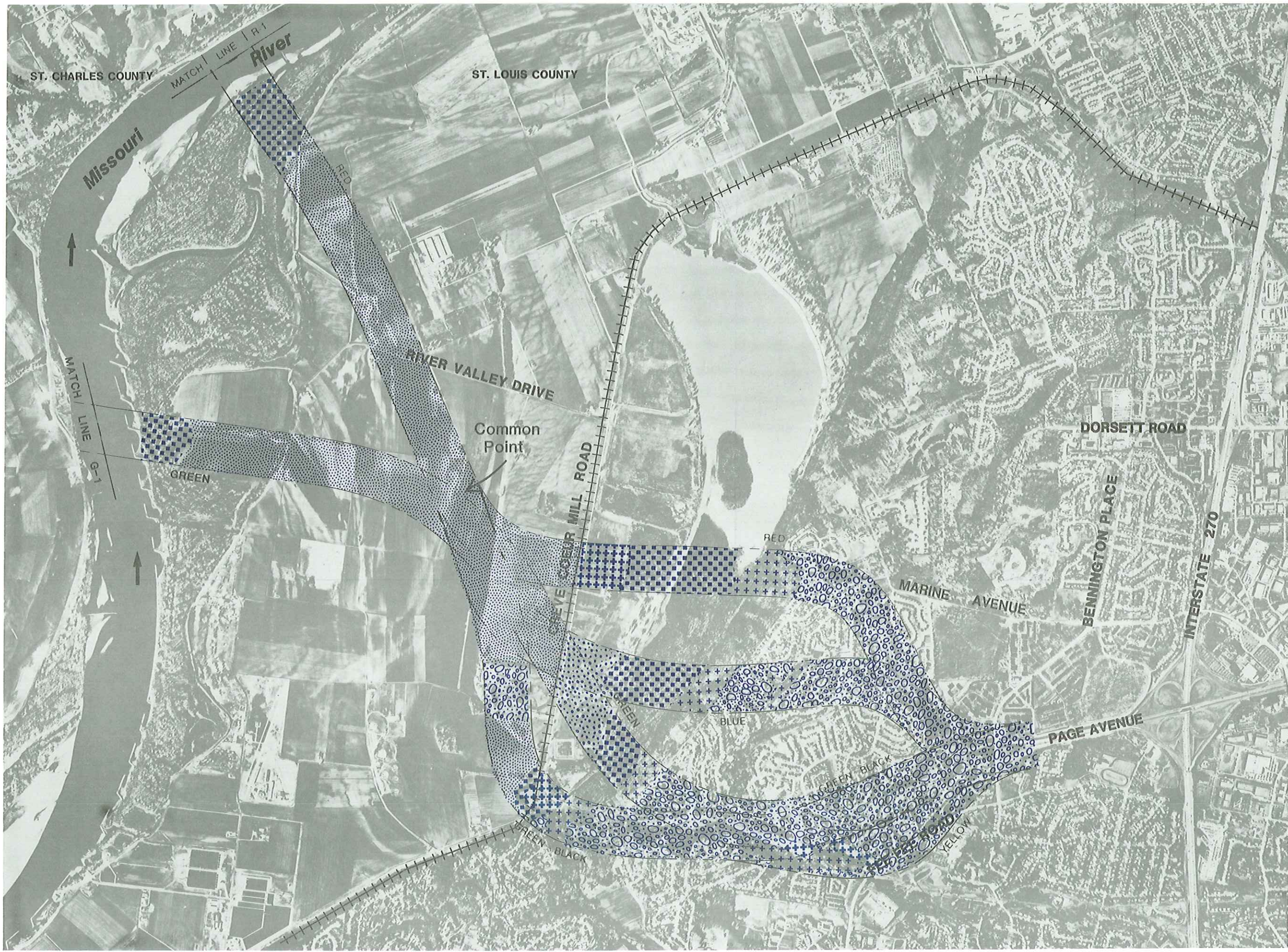
Emergent Wetland



Wetland Woods



Open Water



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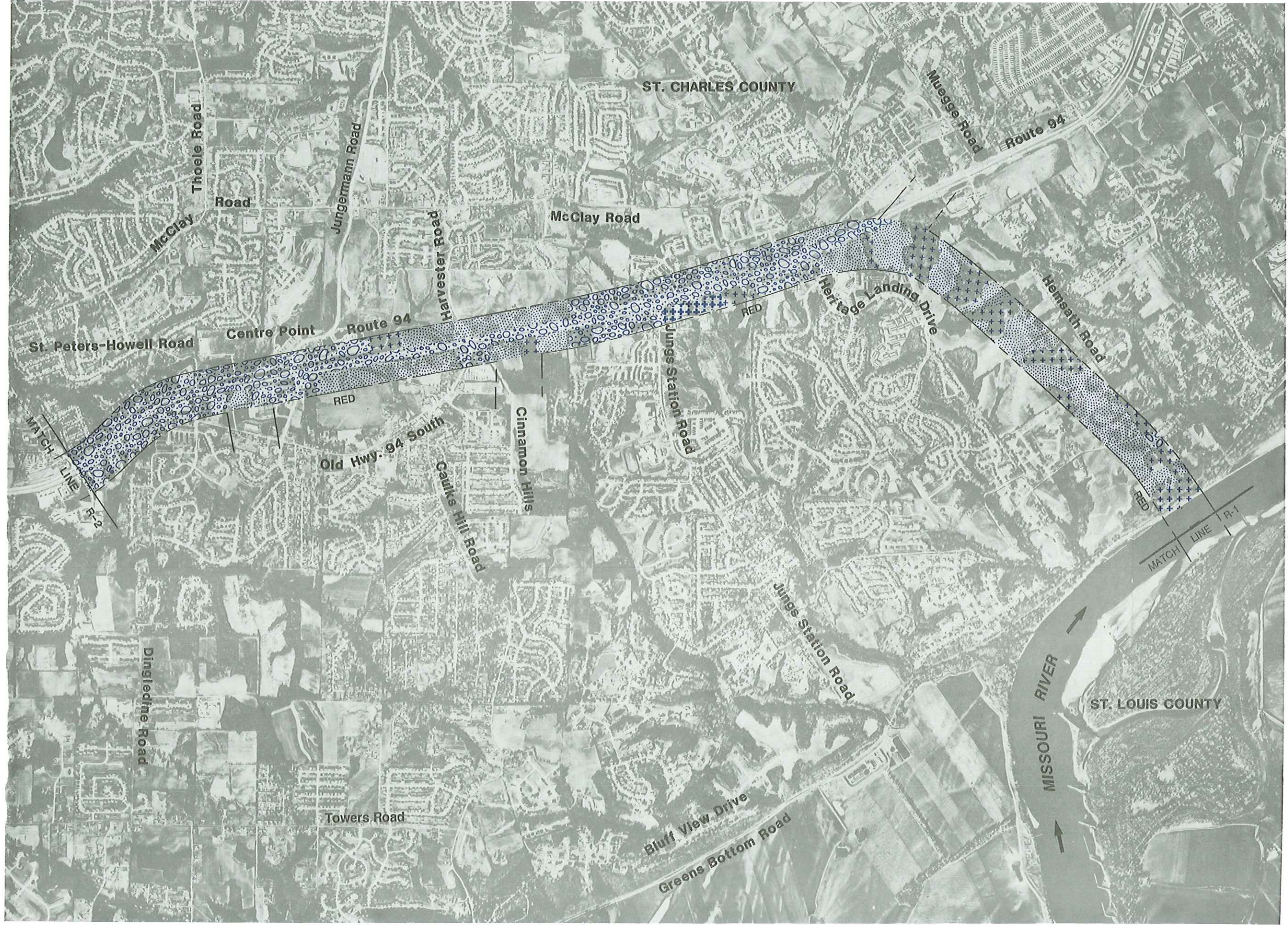
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Vegetative Cover

Figure 3.6.1



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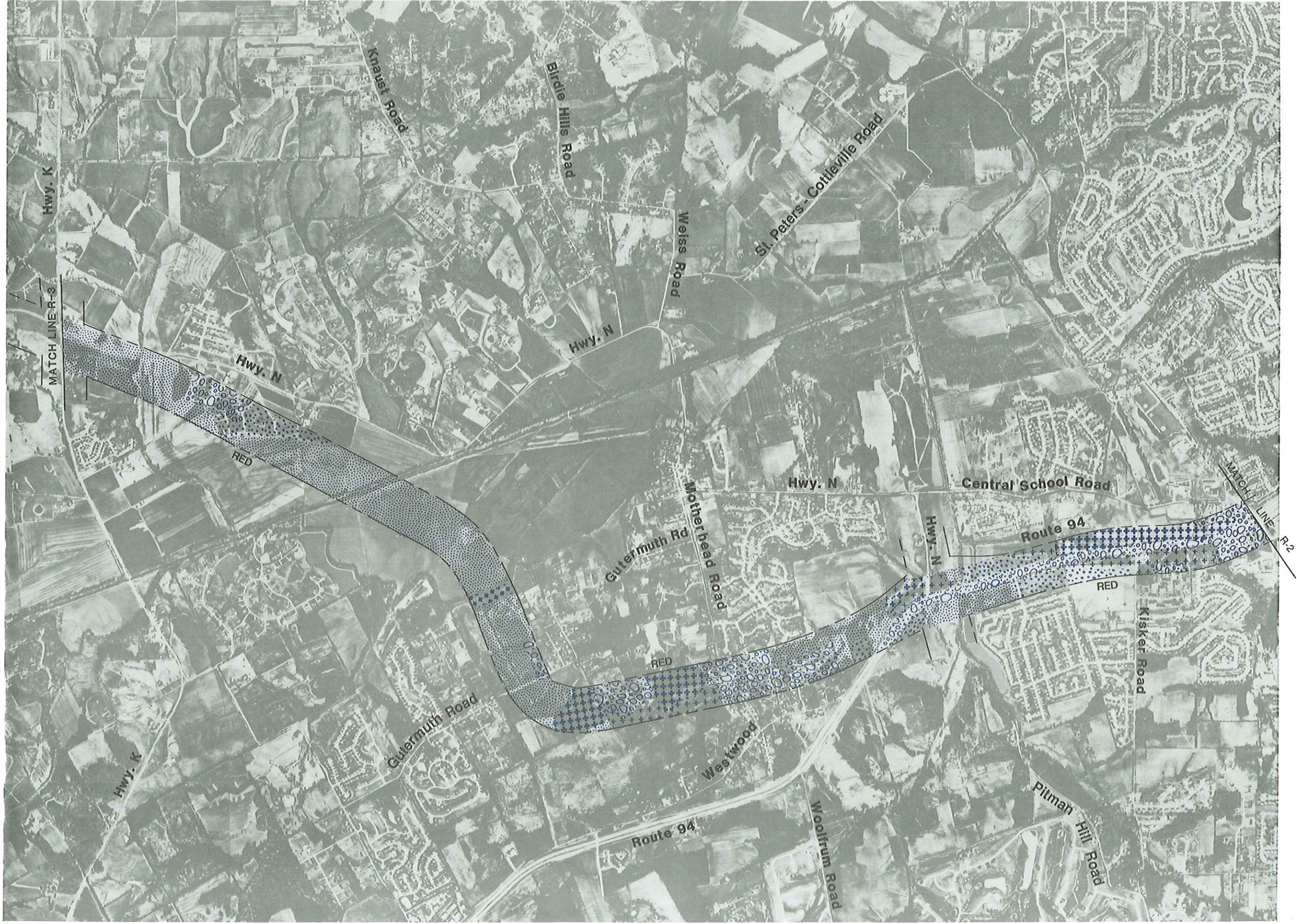
St. Charles and St. Louis Counties, Missouri



Approximate Scale 1" = 2000'

**Vegetative Cover**

**Figure 3.6.2**



# Final Environmental Impact Statement

## Page Avenue Extension

St. Charles and St. Louis Counties, Missouri

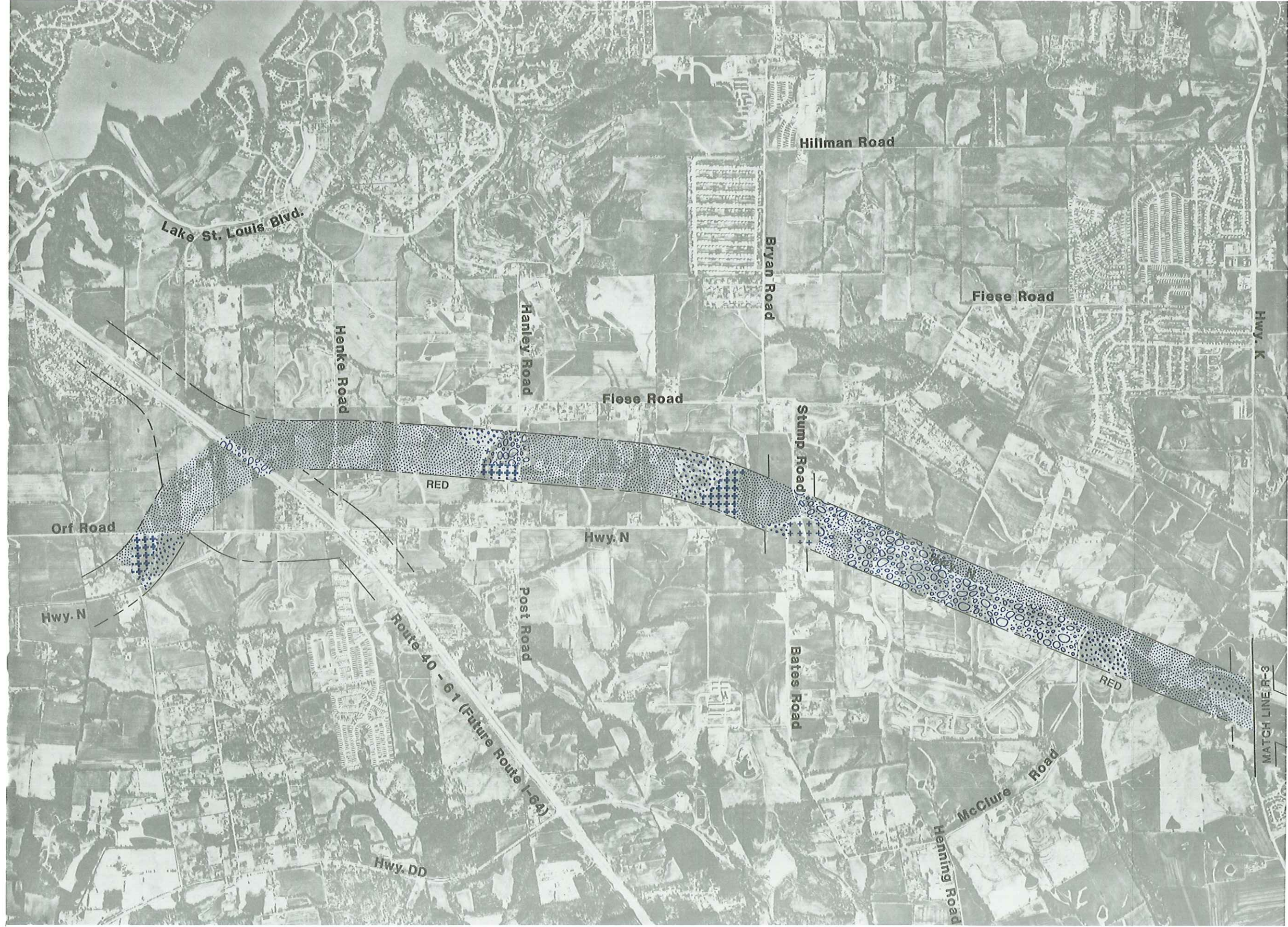
Approximate Scale 1" = 2000'



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Vegetative Cover

Figure 3.6.3



**Final Environmental Impact Statement**

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Approximate Scale 1" = 2000'



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Vegetative Cover

Figure 3.6.4



# Final Environmental Impact Statement

## Page Avenue Extension

St. Charles and St. Louis Counties, Missouri



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Approximate Scale 1" = 2000'

Vegetative Cover

Figure 3.6.5





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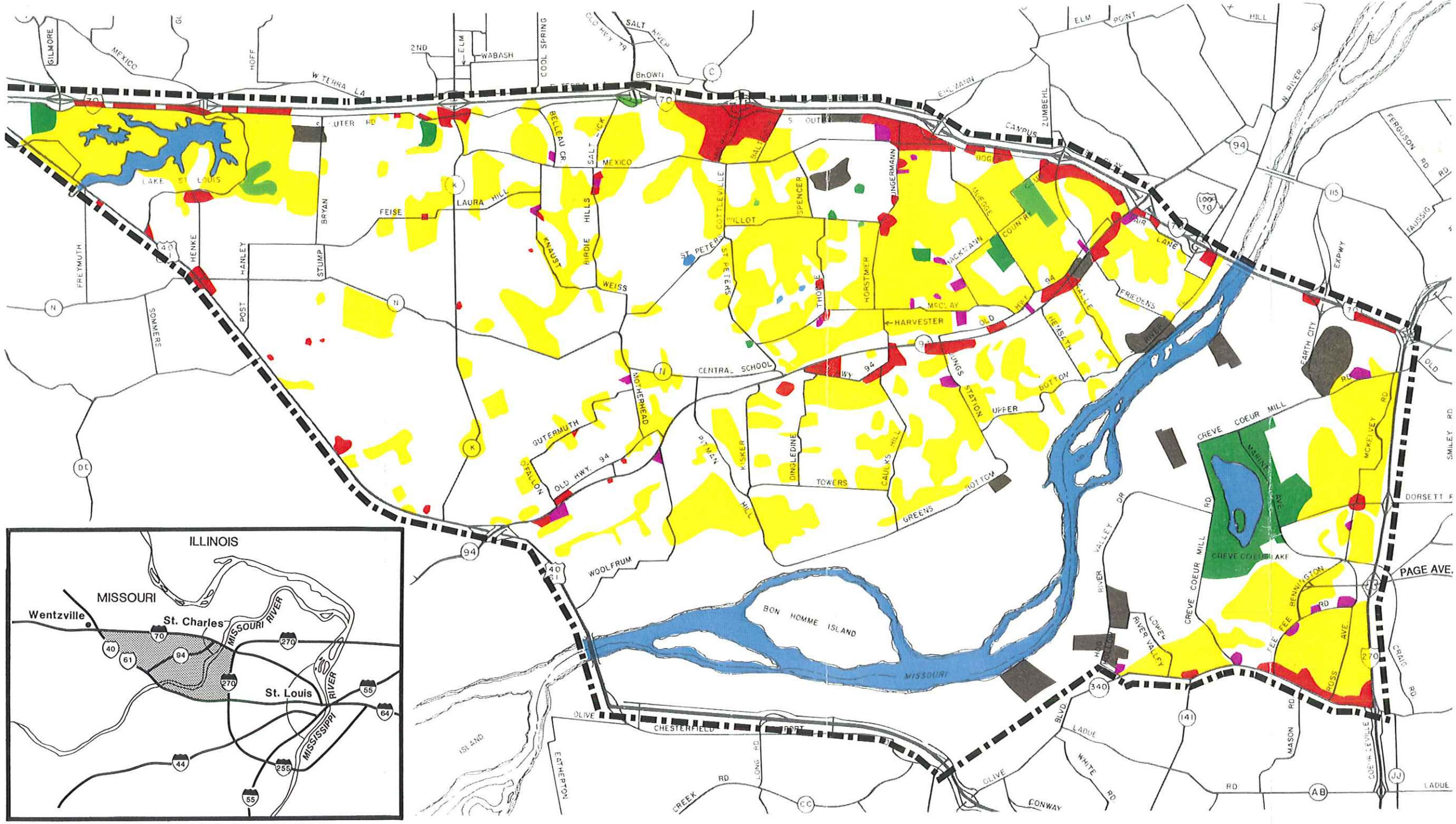
St. Charles and St. Louis Counties, Missouri



Approximate Scale 1" = 2000'

Vegetative Cover

Figure 3.6.6



**LEGEND**

- |   |                             |   |                                    |
|---|-----------------------------|---|------------------------------------|
|  | Major Bodies of Water       |  | Residential                        |
|  | Commercial/Services/Offices |  | Non-Urban/Agricultural/ Floodplain |
|  | Industrial                  |  | Major Parks                        |
|  | Public/Community Facilities |  | Major Recreation Facilities        |

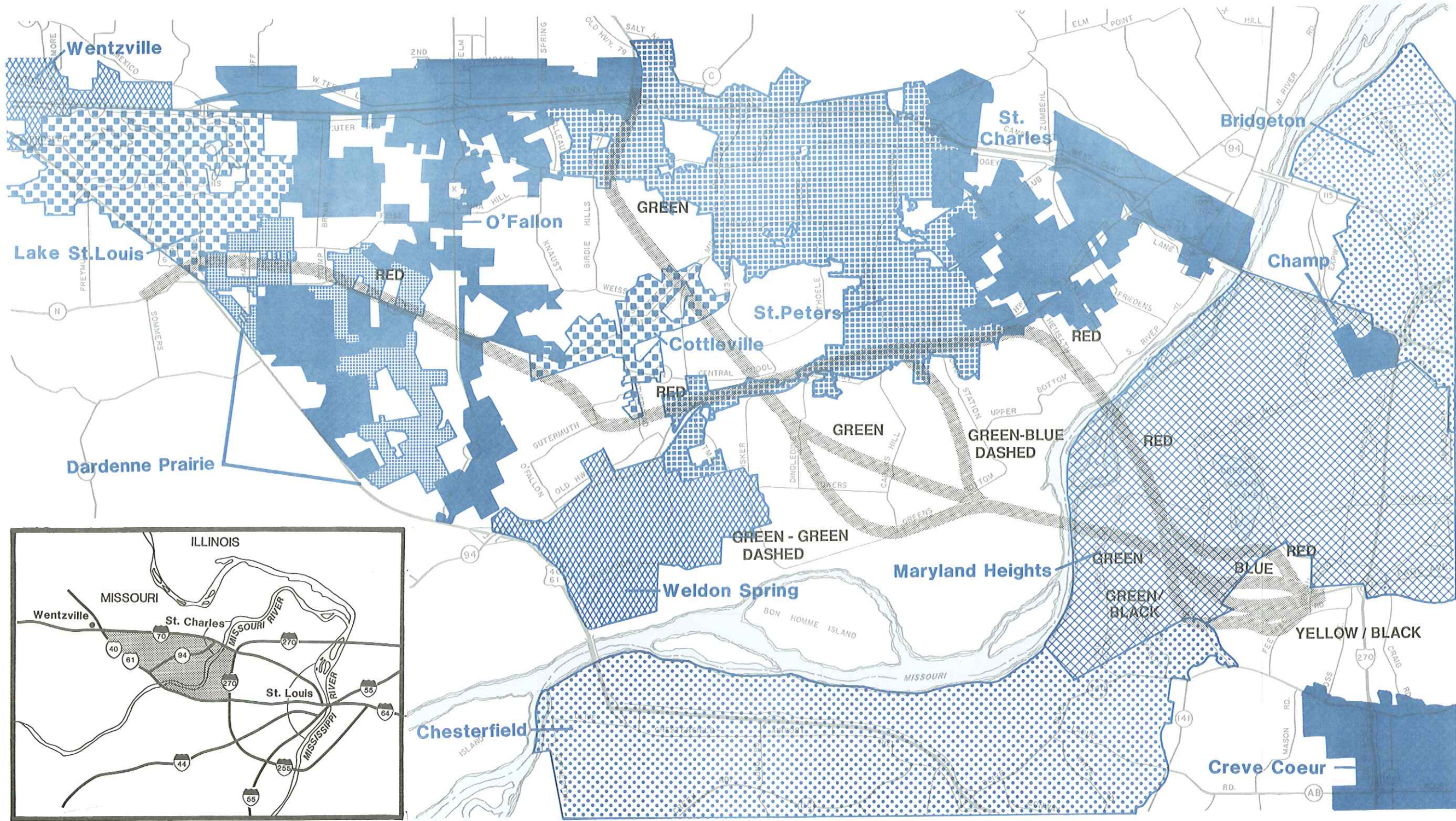
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Approximate Scale 1" = 8000'

Generalized Land Use

Figure 3.7



Source: East West Gateway Coordinating Council  
December 1991

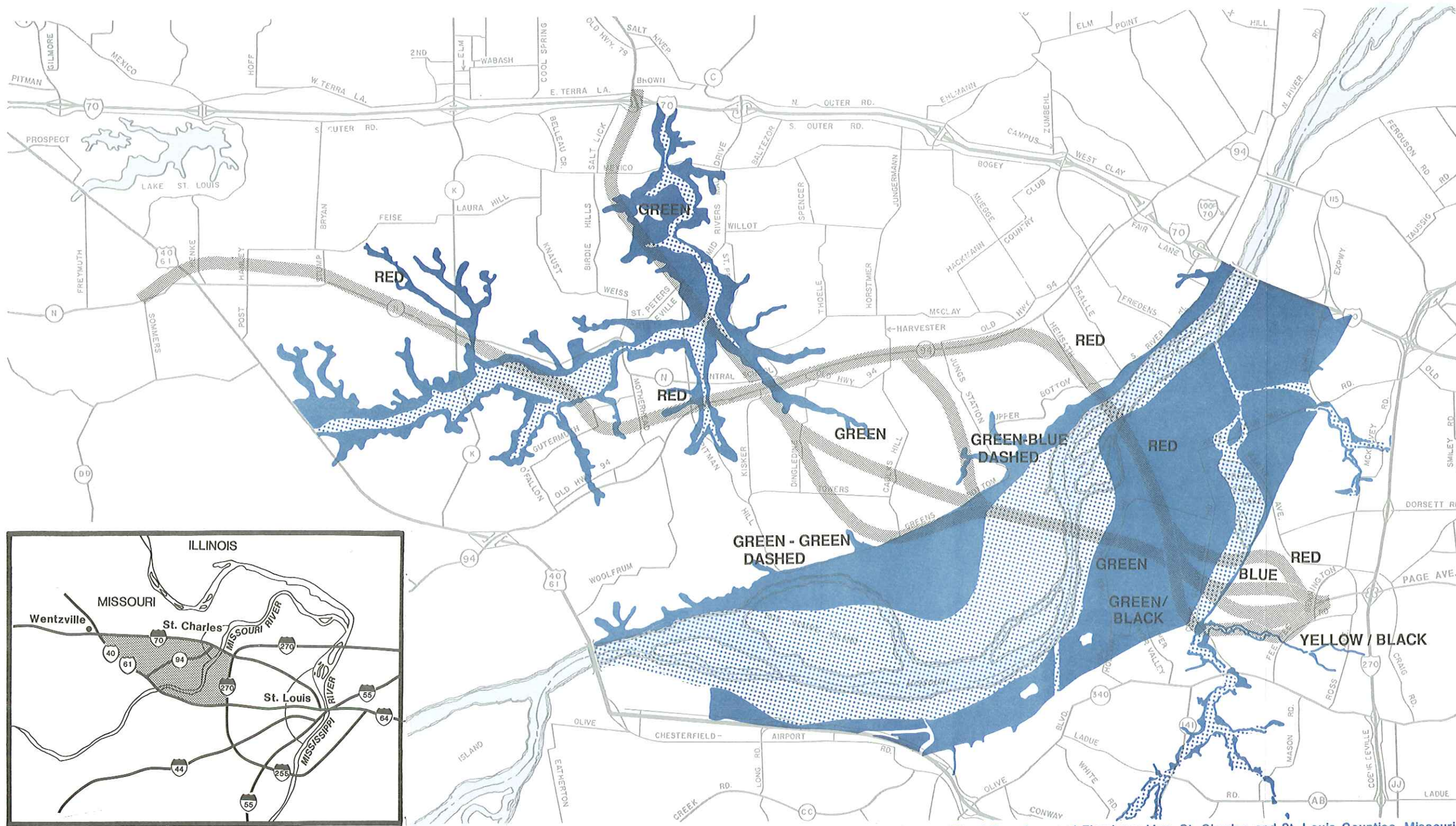
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Approximate Scale 1" = 8000'

**Municipal Boundaries**

**Figure 3.8**



SOURCE: Federal Emergency Management Agency/Flood Boundary and Floodway Map-St. Charles and St. Louis Counties, Missouri.

**LEGEND**

- 100 - Year Flood Boundary
- FLOODWAY FRINGE
- 100 - Year Flood Boundary



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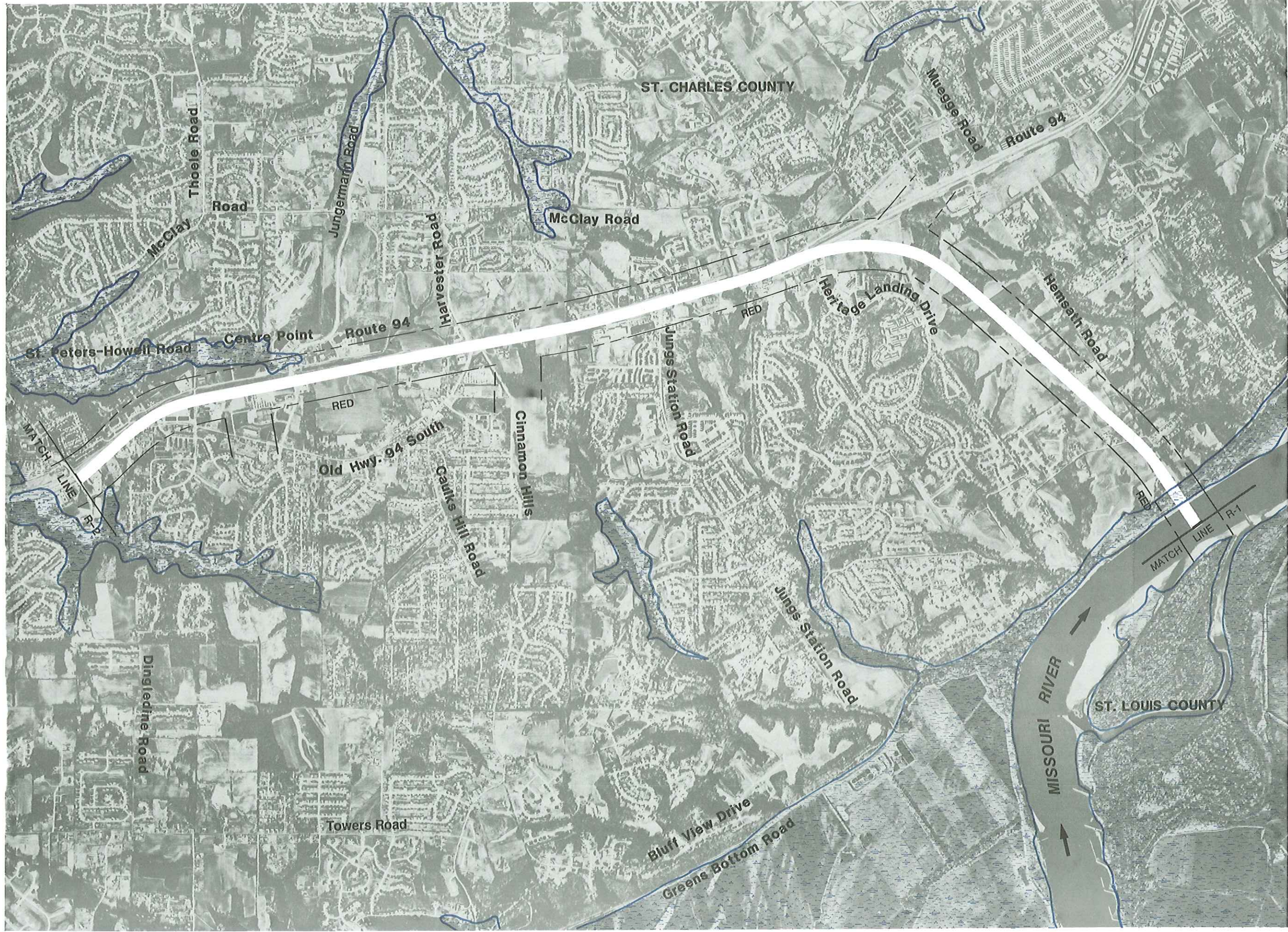
St. Charles and St. Louis Counties, Missouri



Approximate Scale 1" = 2000'

Hydric Soils

Figure 3.10.1



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Hydric Soils

Figure 3.10.2



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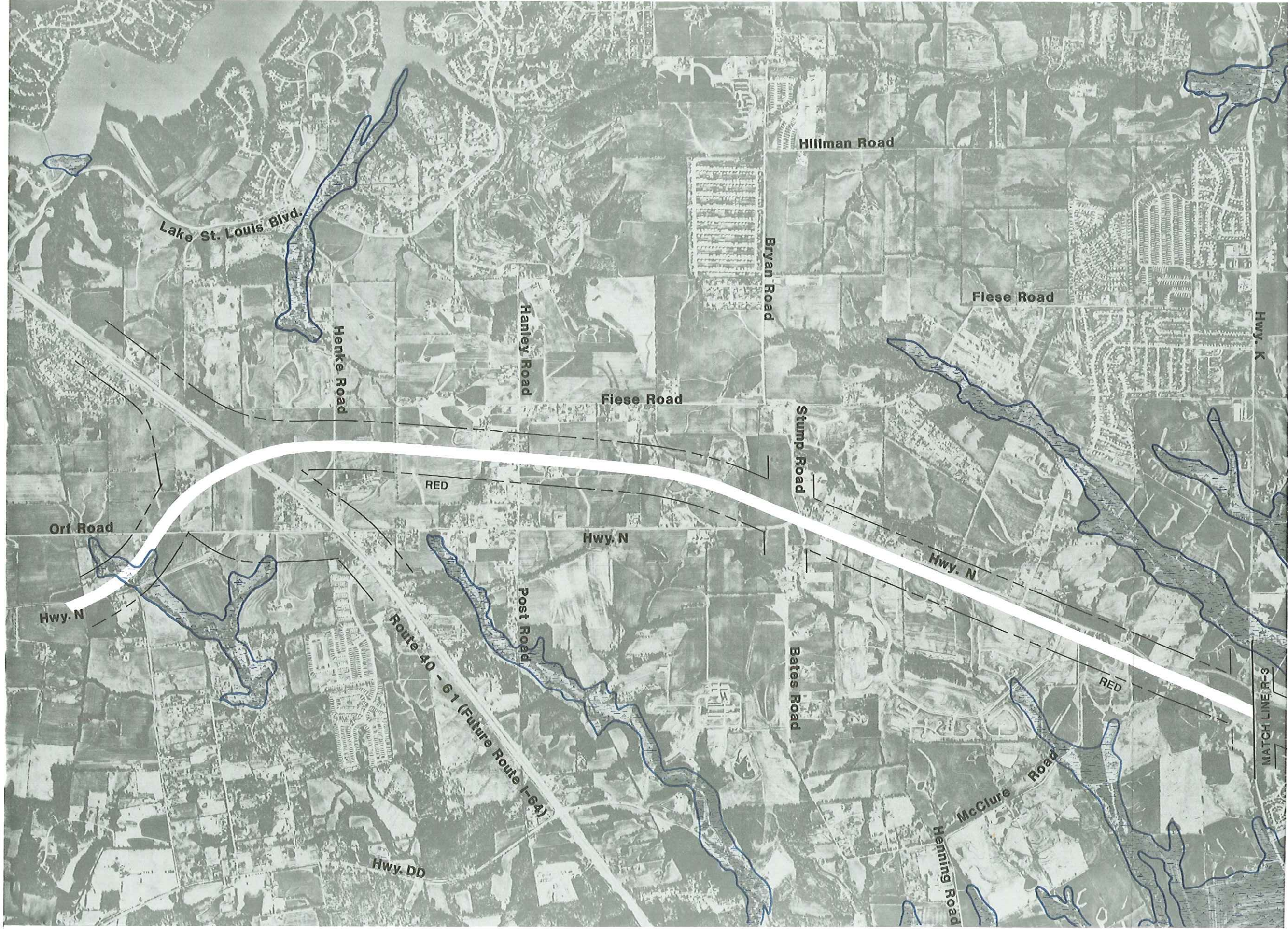
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Approximate Scale 1" = 2000'



Hydric Soils

Figure 3.10.3



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NORTH

Hydric Soils

Figure 3.10.4





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NORTH

Approximate Scale 1" = 2000'

Hydric Soils

Figure 3.10.5



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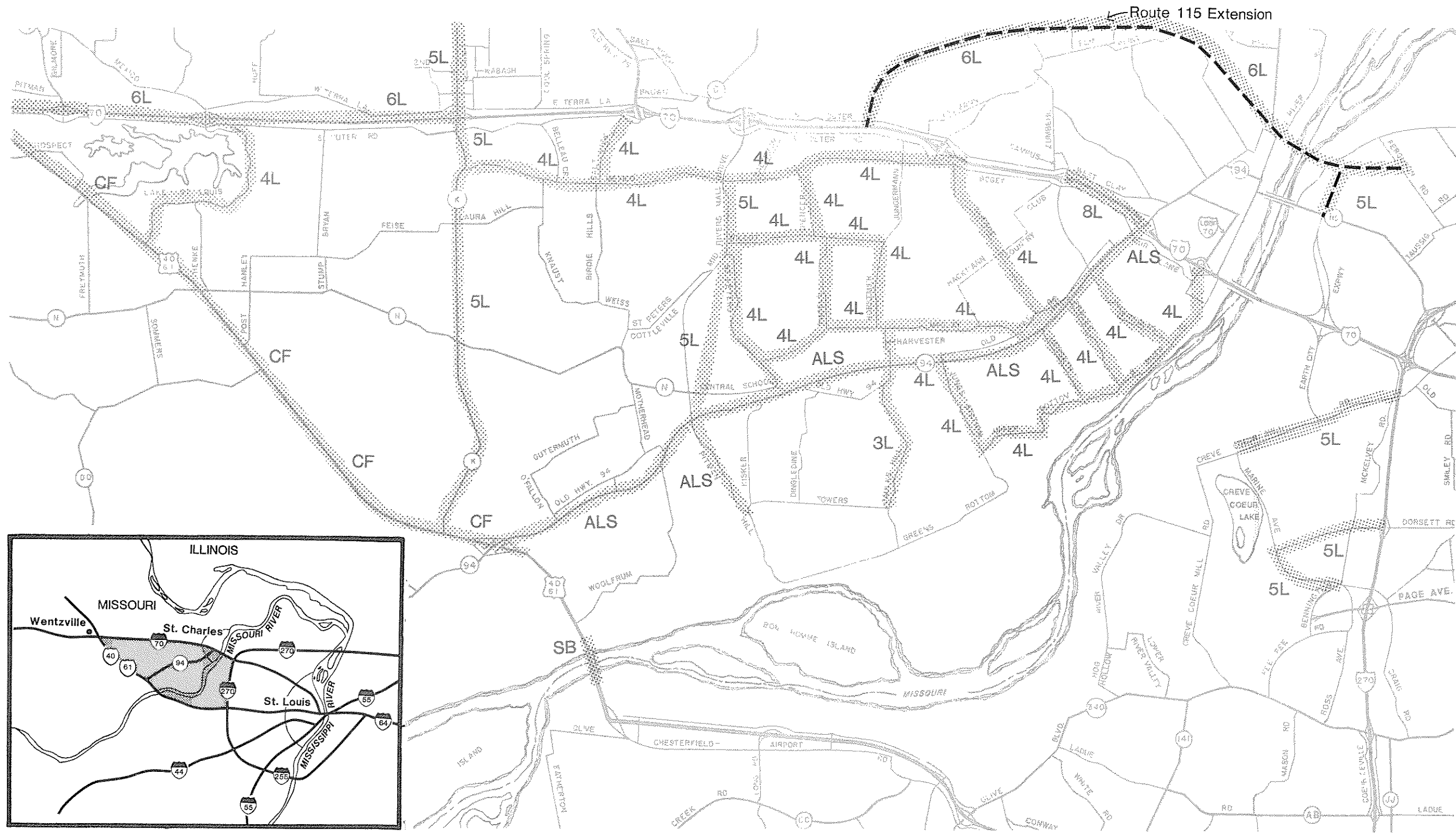
Approximate Scale 1" = 2000'



NORTH

Hydric Soils

Figure 3.10.6



**Expected Completion By 1995**

- CF—Conversion to Freeway
- SB—Second Bridge
- ALS—Auxiliary Lanes and Signalization
- \_L—Multi-lane Improvements (3,4,5,6,8)
- Planned Improvement

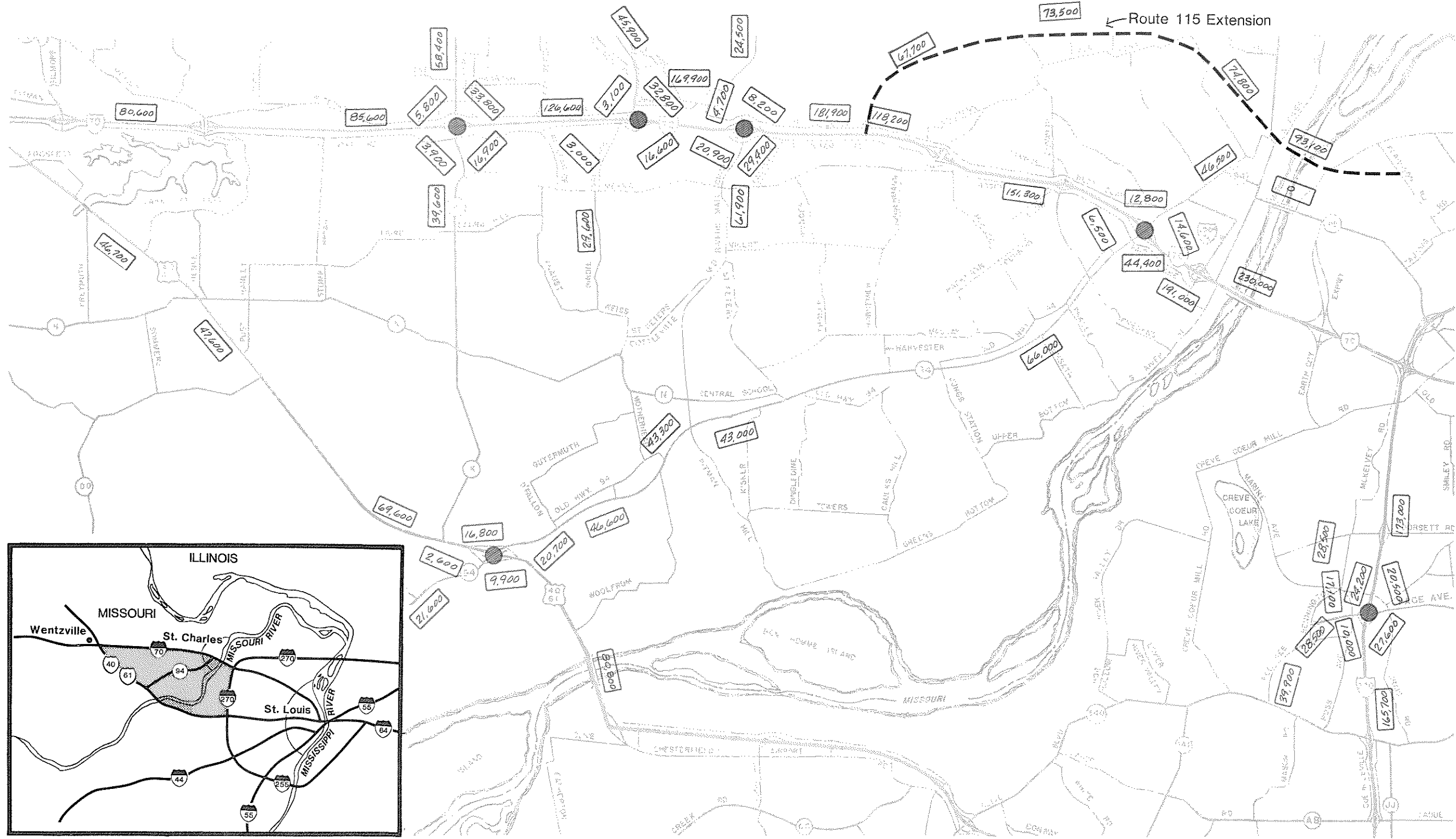
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Approximate Scale 1" - 8000'

No Build Roadway Improvements

Figure 2.1



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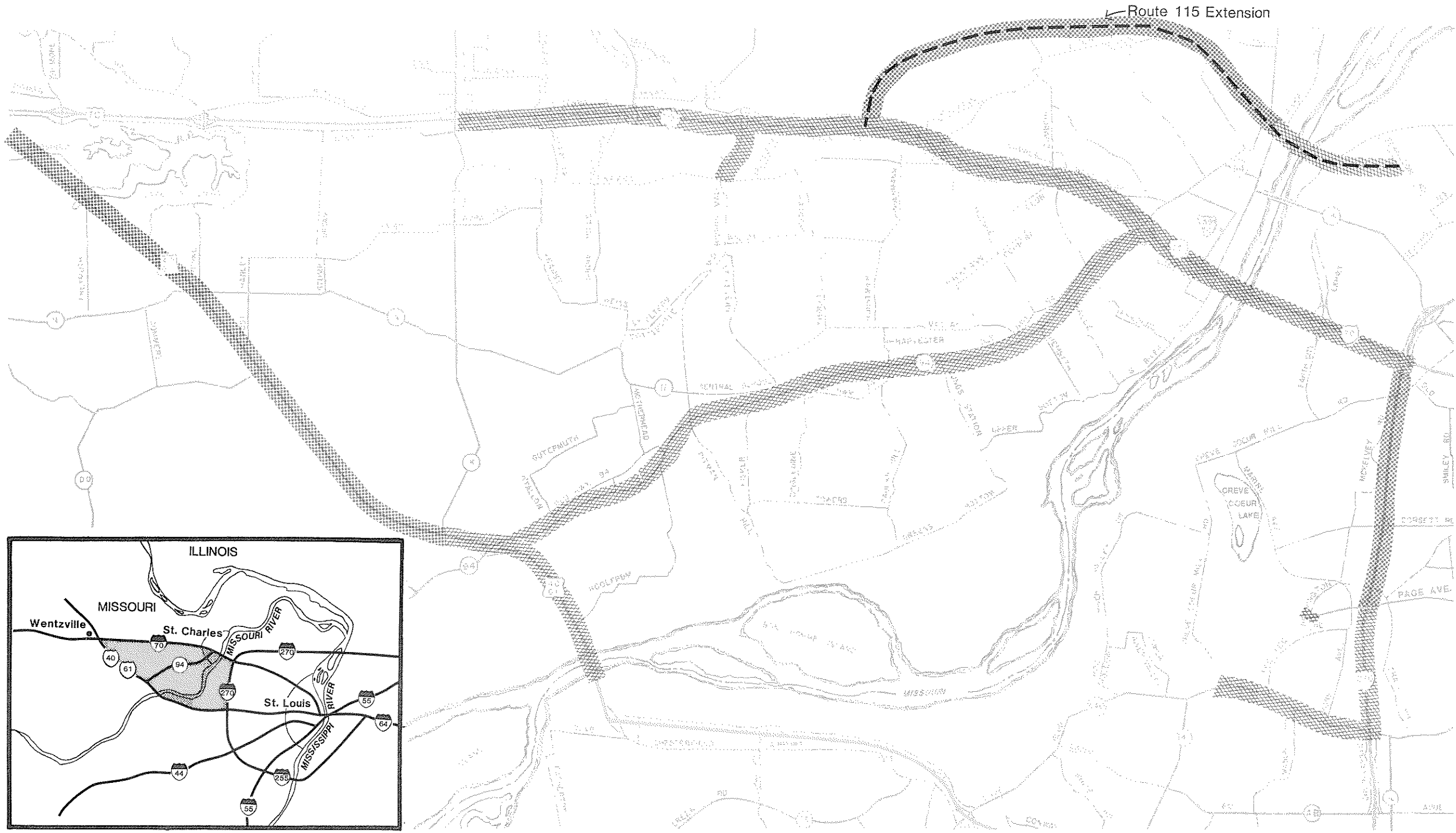
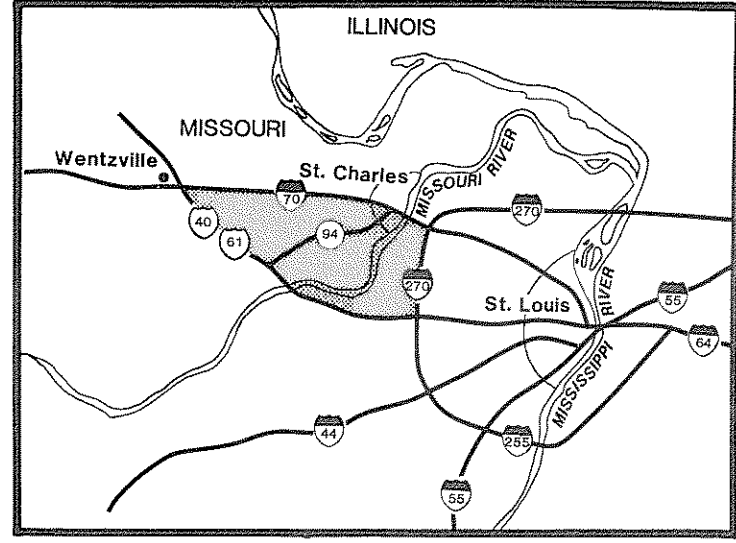
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No Build Traffic Volumes (2015)


Figure 2.2



**Level of Service**

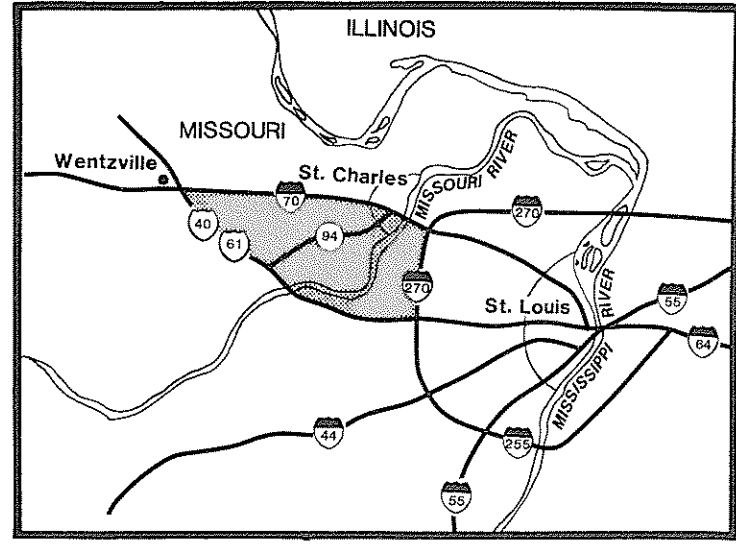
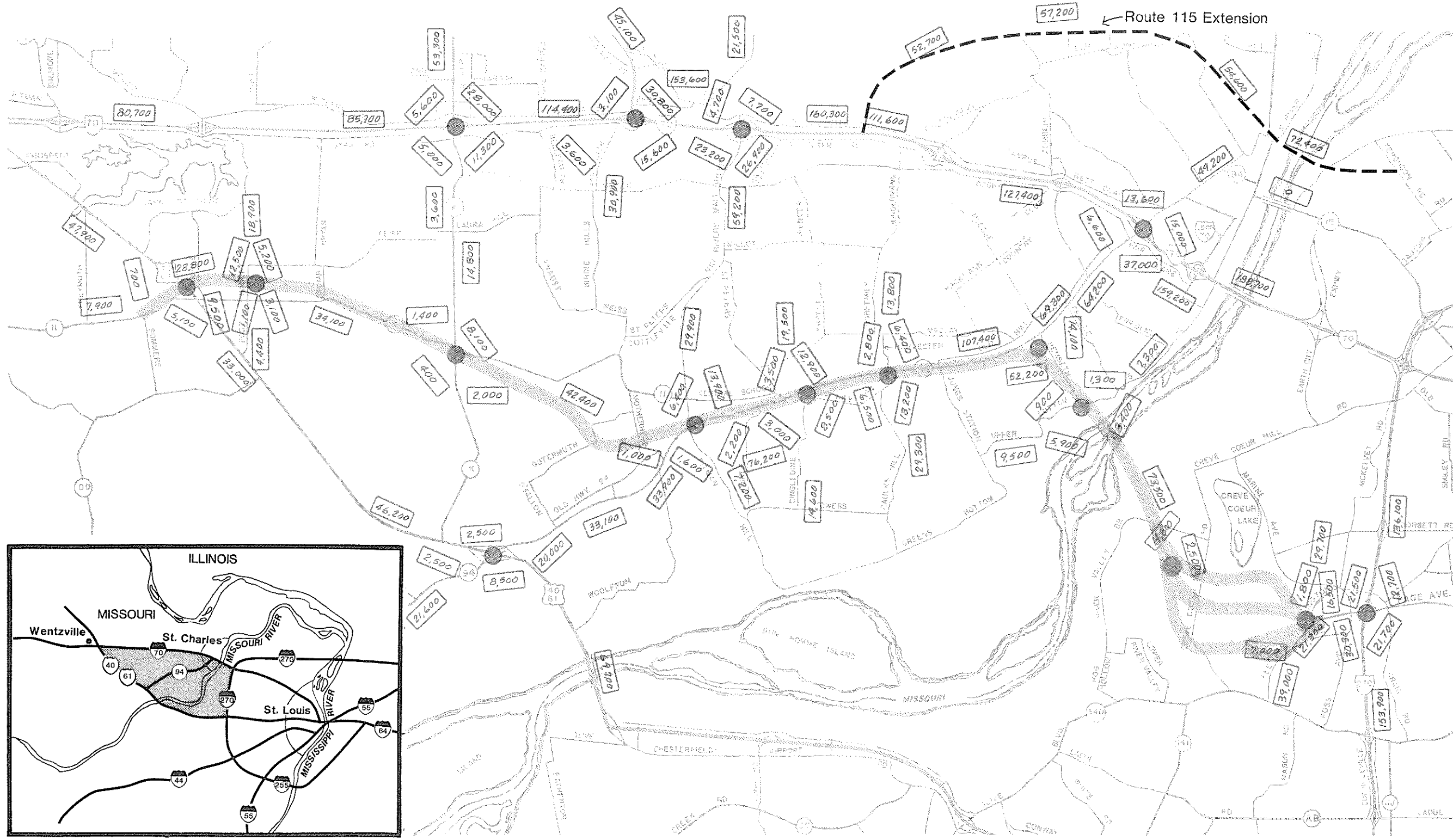
-  E
-  F
-  Planned Improvement

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Approximate Scale 1" = 8000'       NORTH

No Build Alternate Roadway Deficiencies (2015)

Figure 2.3



**LEGEND**

- xx,xxx Average Daily Traffic (2015)
- Interchange Location
- Planned Improvement

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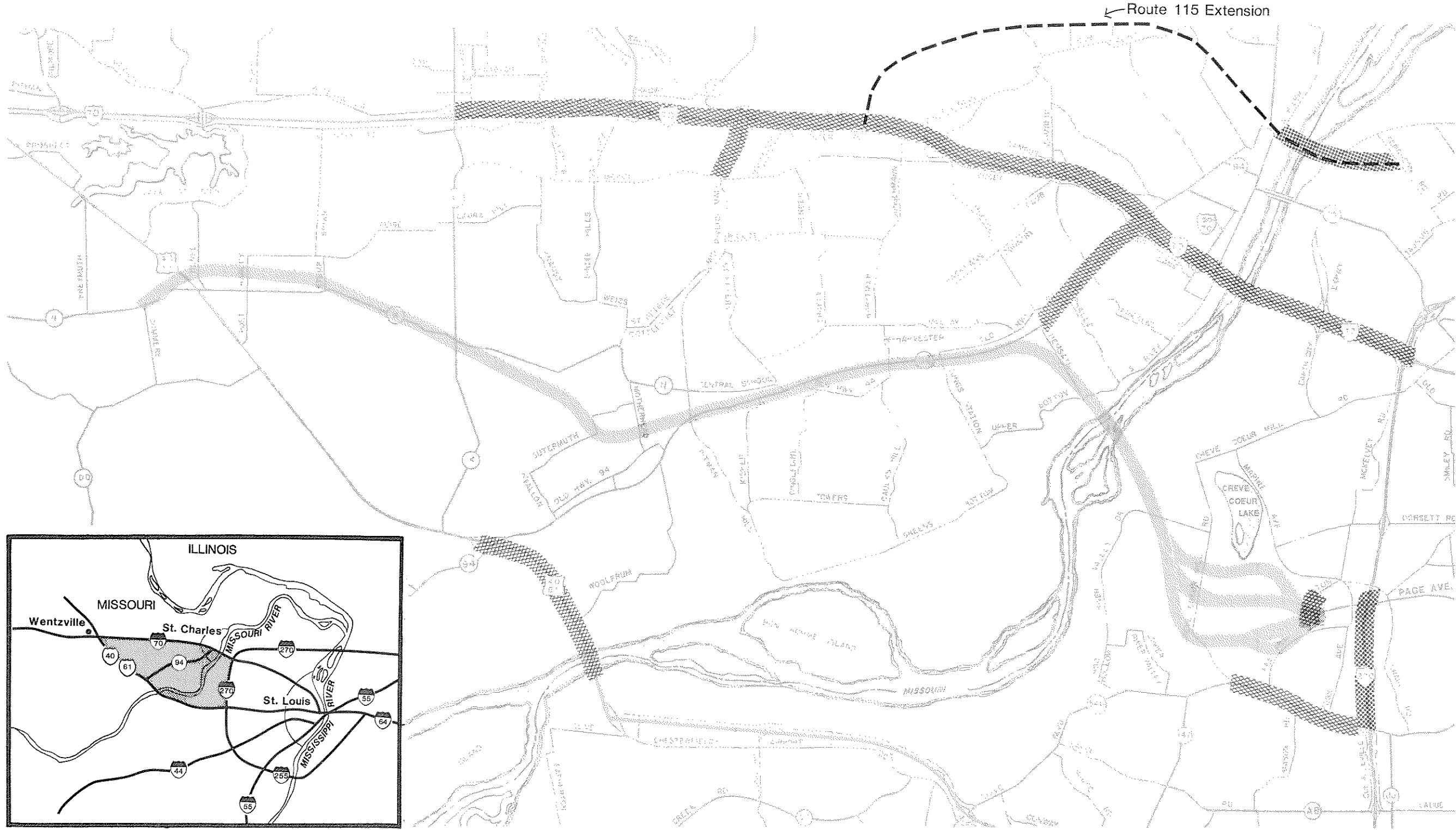
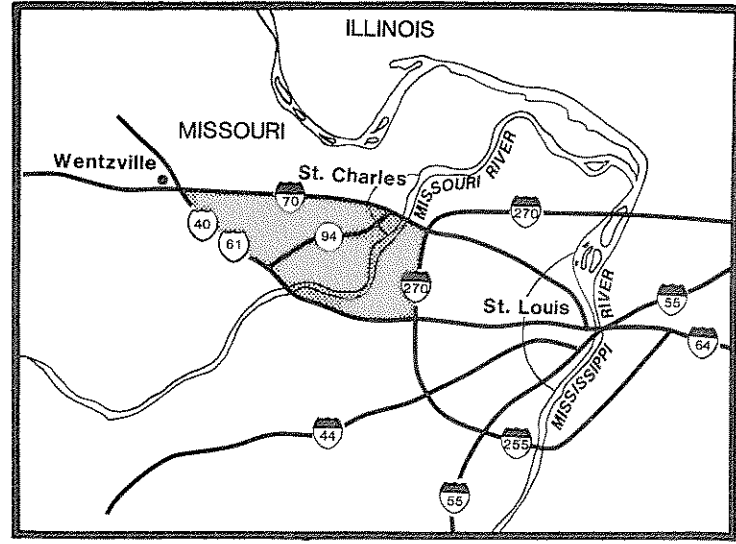
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Red Alignment Traffic Volumes (2015)

Figure 2.4



**Level of Service**

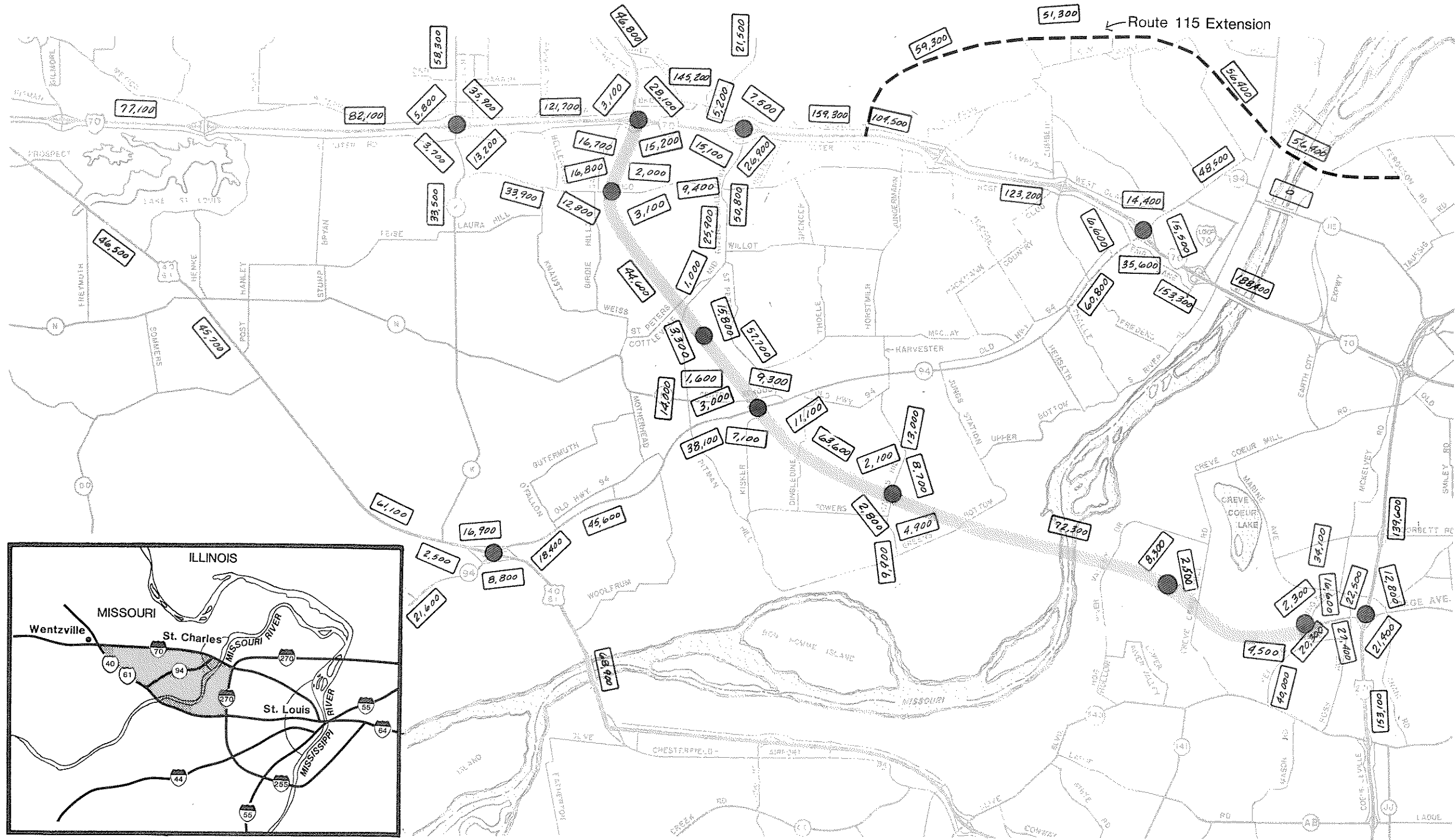
-  E
-  F
-  Planned Improvement

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**LEGEND**

- xxxx Average Daily Traffic (2015)
- Interchange Location
- Planned Improvement

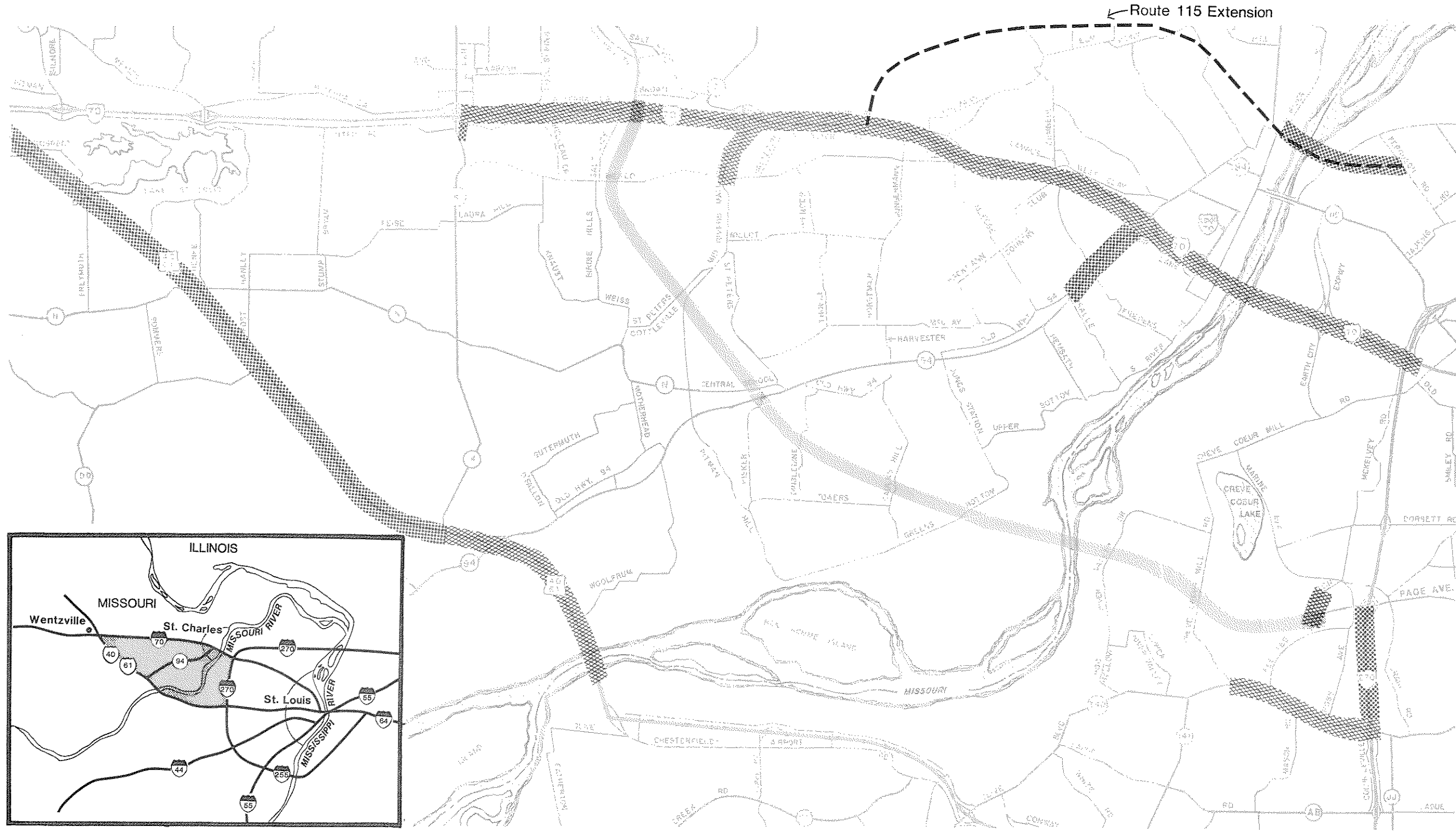
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**Green Alignment Traffic Volumes (2015)**

**Figure 2.6**





**Level of Service**

-  E
-  F
-  Planned Improvement

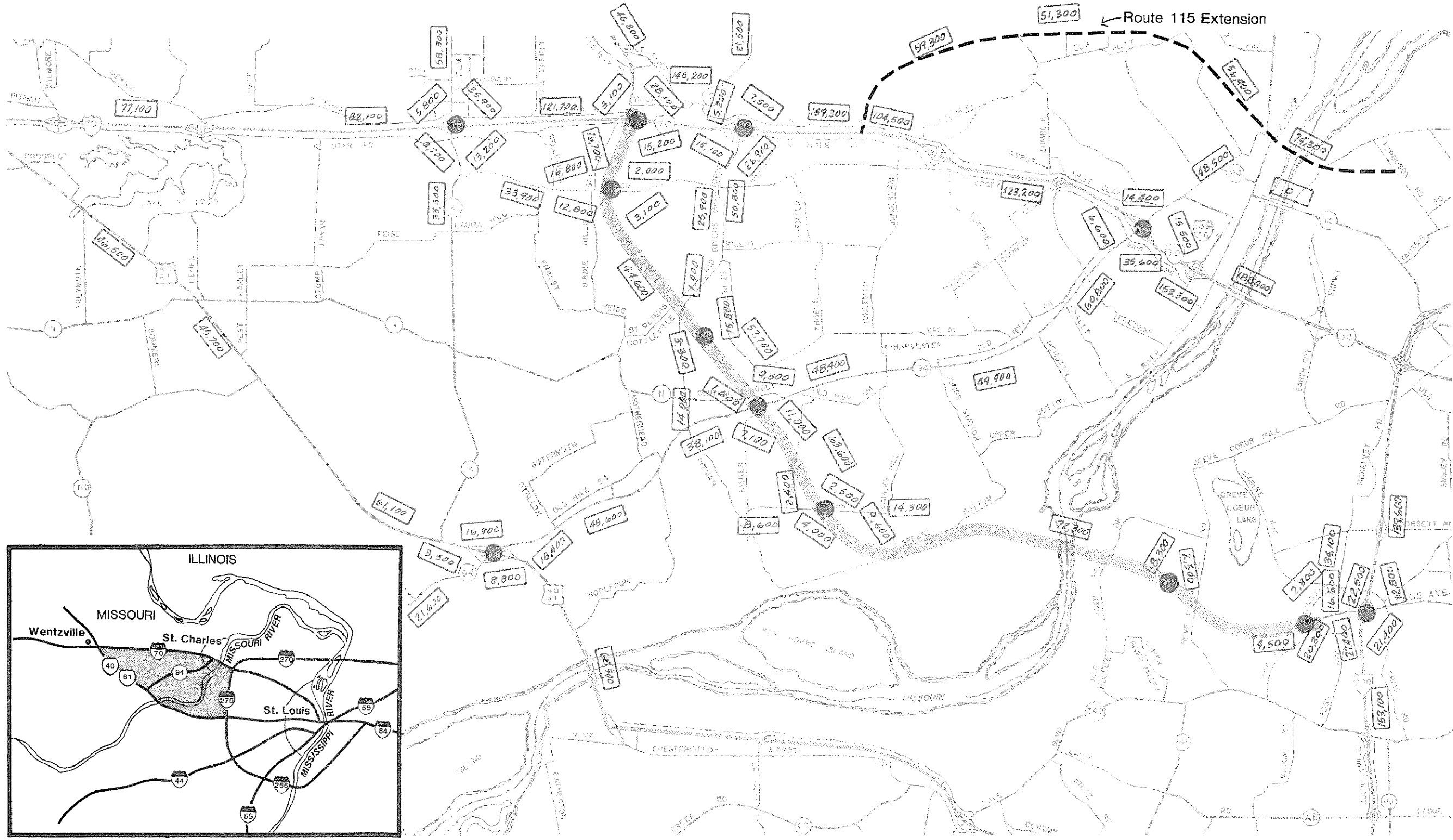


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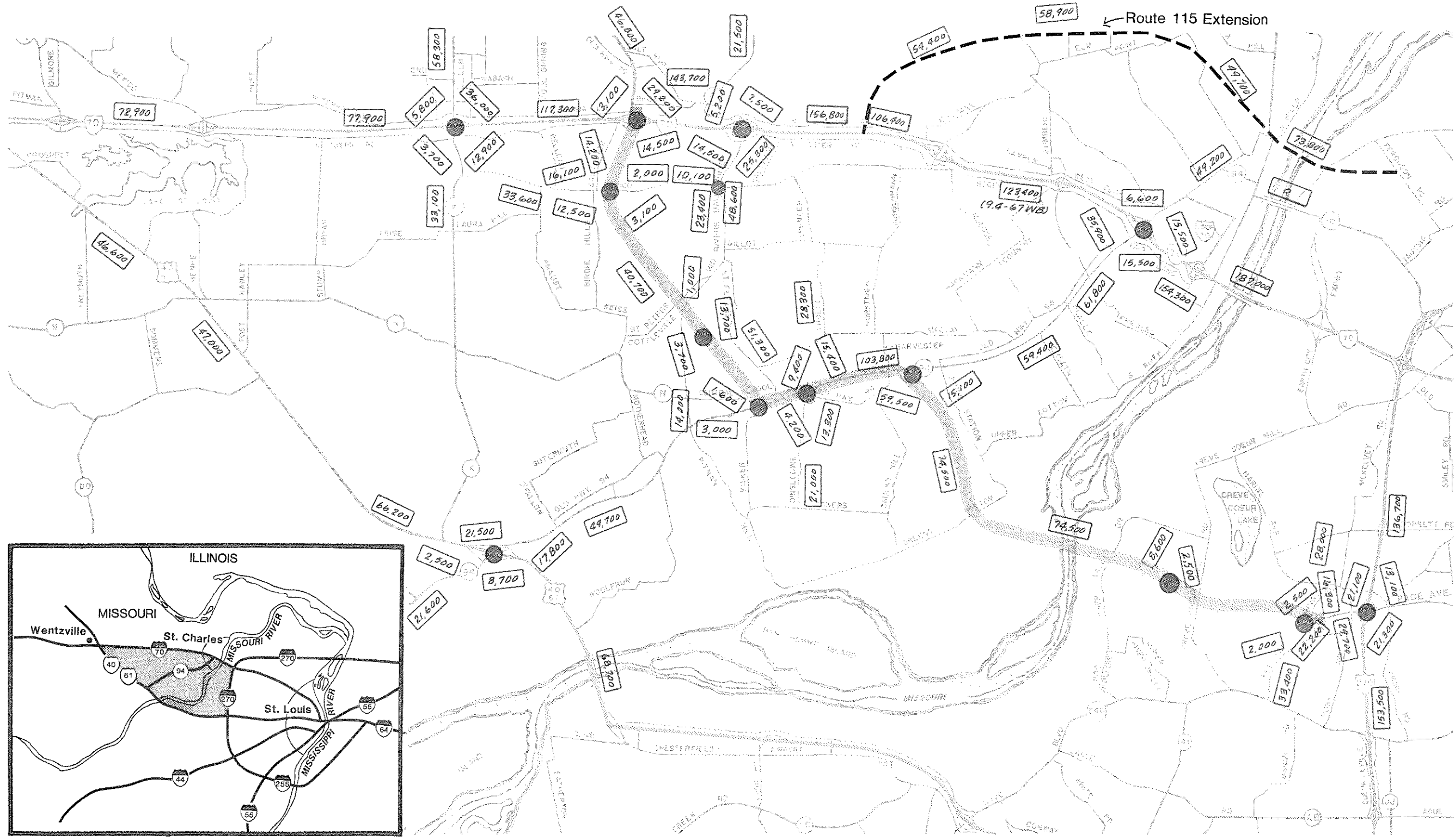


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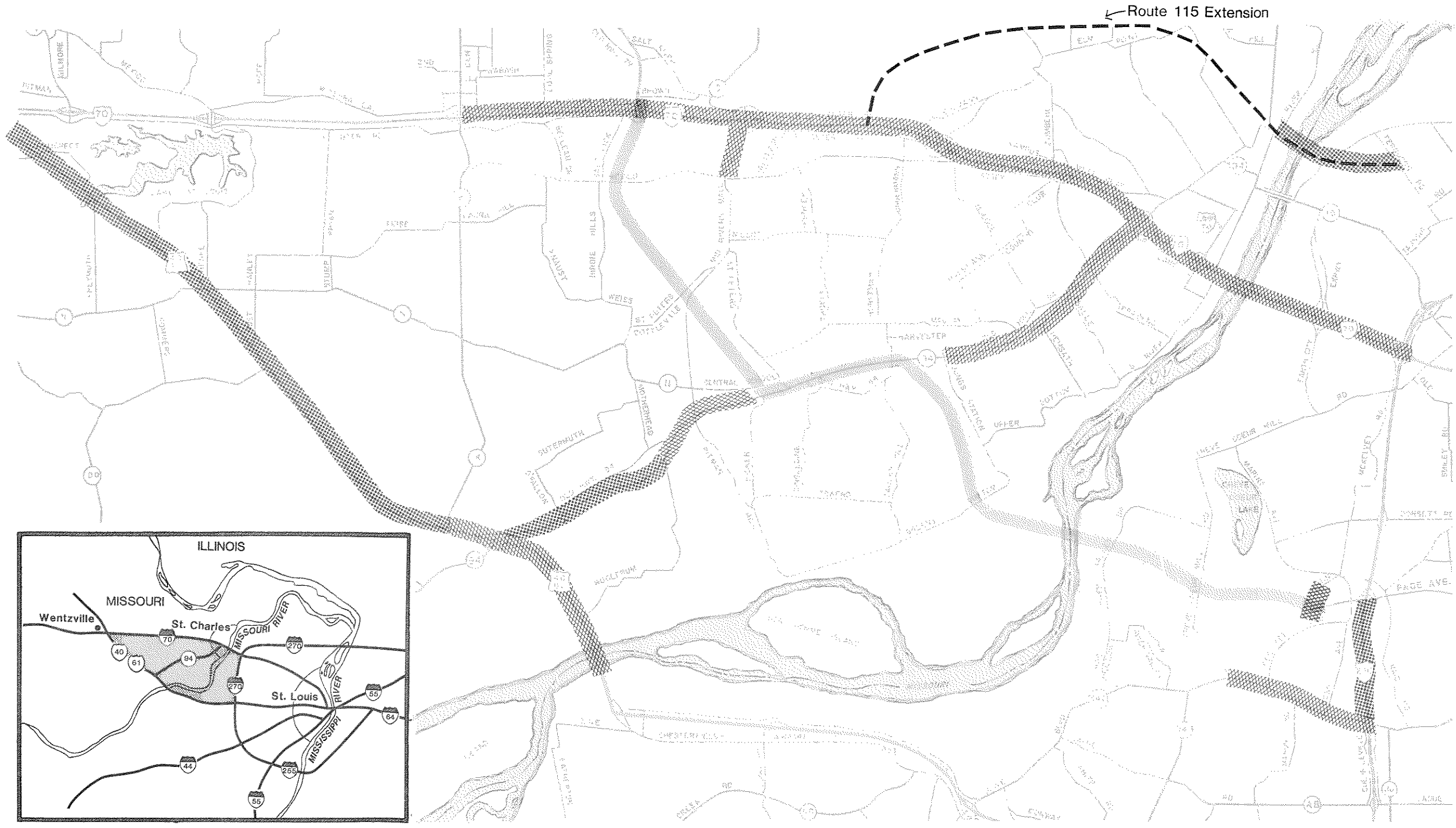
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Green/Blue Dashed Alignment Traffic Volumes (2015)

Figure 2.9



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Green/Blue Dashed Alignment Roadway Deficiencies (2015)

Figure 2.10