

ENVIRONMENTAL ASSESSMENT

SPUR 366 EXTENSION  
(The Woodall Rodgers Freeway)

FROM IH 35E to BECKLEY AVENUE/SINGLETON  
BOULEVARD  
CSJ: 0196-07-018

DALLAS COUNTY, TEXAS

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION  
TEXAS DEPARTMENT OF TRANSPORTATION

FEBRUARY 2005

**TABLE OF CONTENTS**

TABLE OF CONTENTS..... i

INTRODUCTION ..... 1

I. DESCRIPTION OF PROPOSED ACTION..... 1

    A. Description of Proposal..... 1

    B. Purpose and Need ..... 3

    C. Related Studies and Relevant Documents ..... 5

    D. Logical Termini ..... 5

    E. Right of Way (ROW) Requirements and Utility Adjustments ..... 5

    F. Project Cost Estimate..... 6

    G. Project Support..... 6

II. DESCRIPTION OF EXISTING FACILITY..... 8

    A. Existing Facility ..... 8

    B. Surrounding Terrain and Land Use..... 8

III. ALTERNATIVES..... 9

    A. Alternative A: No Build..... 9

    B. Alternative B: Build..... 9

IV. POTENTIAL SOCIAL, ECONOMIC, AND ENVIRONMENTAL EFFECTS OF THE  
PREFERRED ALTERNATIVE ..... 11

    A. Regional and Community Growth ..... 11

    B. Socio-Economic Impacts ..... 12

    C. Community Cohesion/Environmental Justice..... 14

    D. Public Facilities and Services ..... 19

    E. Impacts to Section 4(f) and 6(f) Properties..... 19

    F. Lakes, Rivers, and Streams ..... 20

    G. Waters of the U.S., including Wetlands..... 21

    H. Floodplains..... 24

    I. Water Quality..... 24

    J. Threatened/Endangered Species and Wildlife Habitat ..... 25

    K. Historical Sites ..... 29

    L. Archeological Sites ..... 34

    M. Aesthetic Considerations ..... 34

    N. Prime, Unique, and Special Farmland Impacts..... 35

    O. Air Quality Assessment ..... 35

P. Noise Assessment ..... 37

Q. Hazardous Waste/Substance ..... 40

R. Construction Impacts ..... 43

S. Items of Special Nature..... 43

V. DETERMINATION OF ASSESSMENT.....44

APPENDIX A: MAPS

- Figure 1: Project Location Map
- Figure 2: Project Centerline Map with ROW
- Figure 3: USGS Topographic and FEMA Floodplain Map
- Figure 4: 2000 Census Map
- Figure 5: Woodlands Map

APPENDIX B: TYPICAL CROSS SECTIONS AND LAYOUT

APPENDIX C: PROPOSED SCHEMATIC

APPENDIX D: SUPPLEMENTAL DATA

- Wetland Data Forms
- Vegetation Data Form
- Woodland Data Form

APPENDIX E: AGENCY CORRESPONDENCE

APPENDIX F: PHOTOGRAPHS

TABLES

Table 1-1 Existing and Projected Unconstrained Traffic Volumes 4

Table 3-1 Effects of Alternatives on Project Objectives 10

Table 4-1 Age Composition of the Population: 1999 13

Table 4-2 Median Household Income and Poverty Status: 1999 14

Table 4-3 Racial and Ethnic Composition of the Population 17

Table 4-4 Percentage LEP Population: 1999 18

Table 4-5 Displacements 18

Table 4-6 Waters of the U.S., including Wetlands 22

Table 4-7 Federal and State Listed Threatened/Endangered Species  
in Dallas County 26

Table 4-8	Existing and Projected Traffic Volumes (vehicles per day)	36
Table 4-9	Project Carbon Monoxide Concentrations	36
Table 4-10	Operational Improvements in the Travel Corridor	37
Table 4-11	FHWA Noise Abatement Criteria	38
Table 4-12	Existing and Proposed Traffic Volumes	39
Table 4-13	Traffic Noise Levels	39
Table 4-14	Regulatory Databases and Minimum Search Distances	41
Table 4-15	High Risk Sites within Proposed ROW	42
Table 4-16	Low Risk Adjacent Sites	43