

RESOLUTION NO. 16-1991

A RESOLUTION PROVIDING FOR APPROVAL OF APPLICATION FOR GRANT FUNDS FROM THE STATE OF TEXAS FOR A SPECIAL FOUR MONTH SELECTIVE ENFORCEMENT PROJECT FOR VEHICLE OCCUPANT PROTECTION.

WHEREAS, Article 6701j-1, Texas Civil Statutes, declares that the establishment, development, and maintenance of a program of traffic safety in Texas is a vital governmental purpose and function of the State and its legal and political subdivisions; and,

WHEREAS, the Governor of Texas has named the Engineer-Director of the Department as his representative to administer the Texas Traffic Safety Program; and,

WHEREAS, the Engineer-Director has formulated a program of projects for the current fiscal year called the Highway Safety Plan (HSP), and the United States Department of Transportation (US DOT) has approved the HSP and authorized the Department to proceed with implementation in accordance with approved procedures; and,

WHEREAS, the City of Abilene and its Police Department desire to implement an occupant protection selective traffic enforcement project.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF CITY OF ABILENE, TEXAS:

PART 1: That the City hereby approves the submission of a grant application for a special four month selective enforcement project on occupant protection.

PART 2: That Dwain T. Pyburn, Chief of Police, is authorized to sign the grant application and contract on behalf of the City of Abilene.

PART 3: That this Resolution shall take effect immediately from and after its passage.

ADOPTED, This the 13 day of June, 1991.

ATTEST:

  
\_\_\_\_\_  
Jo Moore  
City Secretary

  
\_\_\_\_\_  
Gary D. McCaleb  
Mayor

APPROVED:

  
\_\_\_\_\_  
Claudia Clinton  
City Attorney

EXHIBIT A

**ABILENE URBAN TRANSPORTATION STUDY  
UNIFIED PLANNING WORK PROGRAM**

**FISCAL YEAR 1992**

**October 1, 1991 - September 30, 1992**

Submitted by

**The ABILENE METROPOLITAN PLANNING ORGANIZATION**

in cooperation with

City of ABILENE, TEXAS  
City of IMPACT, TEXAS  
City of TYE, TEXAS

JONES COUNTY  
TAYLOR COUNTY

TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

URBAN MASS TRANSPORTATION ADMINISTRATION

MAY 1991

00035

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**Abbreviations used in this document:**

City	City of Abilene, Texas
FHWA	Federal Highway Administration
FY	Fiscal Year (October 1 - September 30)
MPO	Metropolitan Planning Organization
SDHPT	(Texas) State Department of Highways and Public Transportation
Study	Abilene Urban Transportation Study
UMTA	Urban Mass Transportation Administration
UPWP	Unified Planning Work Program

○ Parenthetical notations at end of work items in Planned Work indicate anticipated principal sources of funds for the work item, listed in descending order of relative contribution.

## INTRODUCTION

The planning activities that follow are coordinated with the participating agencies to ensure that future transportation facilities for the Abilene Metropolitan Area will be sufficient to meet long-range and short-range transportation needs and demands. The following sections describe the work tasks to be performed in FY 1992 as planning activities for the study area. These work elements are designed to help develop and implement the area's overall transportation development plan through a multimodal comprehensive planning process.

This is an ongoing planning activity as required by the Federal Highway Act of 1962, the Urban Mass Transportation Act of 1964, as amended, and the Airport and Airways Development Act of 1970. While this work program is developed around the needs of the local participating agencies, every effort has been made to integrate areas of national emphasis into the work elements.

**TASK 1 - URBAN TRANSPORTATION STUDY ADMINISTRATION AND MANAGEMENT**

**I. OBJECTIVES**

- A. To sustain the Abilene Urban Transportation Study as a comprehensive, continuing, and cooperative activity;
- B. To ensure that work schedules are kept, that financial commitments are met, and that the necessary documentation and contractual agreements have been secured;
- C. To maintain an efficient, informed, and progressive organization for transportation planning; and
- D. To ensure that all elements of the urban transportation system are considered in the comprehensive planning process.

**II. PREVIOUS WORK**

Products of the 1990-1991 fiscal year include:

- A. Development of the 1991-1992 Unified Planning Work Program;
- B. Development of the 1991-1992 Transportation Improvement Program;
- C. Coordination among public agencies, various municipal departments, and private enterprises in activities which impact the transportation planning process;
- D. Other administrative and managerial functions, including financial audits, involving the direction and facilitation of the planning activities.
- E. Training in administration of FHWA Planning Grants.

**III. PLANNED WORK**

- A. Transportation Improvement Program for FY 1993 (SDHPT, FHWA, City);
- B. Unified Planning Work Program for FY 1993 (FHWA, SDHPT, City);
- C. Reports, certifications, and administrative documentation as necessary or appropriate for the continuity and credibility of the Study (City, SDHPT, FHWA);
- D. Coordination among municipal functions to assure that the transportation planning process is a part of a comprehensive metropolitan plan (City);
- E. Coordination among public agencies and private developers to ensure the harmonious development of the metropolitan transportation system (City, SDHPT);

Abilene MPO FY 1992 UPWP

F. Other administrative and managerial functions, including financial audits, necessary for the direction and facilitation of the planning activities (City, SDHPT, FHWA); and

G. Travel as necessary in support of the Study activities (FHWA, SDHPT).

IV. FUNDING REQUIREMENTS \$11,200\*

V. FUNDING SOURCES FHWA \$ 4,500

City	4,600*
SDHPT	2,100

VI. RESPONSIBLE AGENCIES SDHPT and City

\* Includes in-kind services

## **TASK 2 - TRANSPORTATION PLAN**

### **I. OBJECTIVES**

- A. Preparation of an updated long range Transportation Plan for the Abilene Urban Transportation Study;
- B. Monitoring of the various elements of the Transportation Plan to determine need for updates or modifications to the Transportation Plan;
- C. Application of progressive techniques, technology and theories in transportation and transportation planning to the development and implementation of the Transportation Plan; and
- D. Cooperation among public agencies in the development and implementation of the Transportation Plan.

### **II. PREVIOUS YEAR'S WORK**

Products and activities of FY 1991 include:

- A. Continuing cooperation with SDHPT to prepare and refine a base year validation of the travel demand model for the Abilene Urban Transportation Study;
- B. Progress toward development of demographic and network projections for the years 2000 and 2010 in conjunction with the update of the Transportation Plan;
- C. Monitoring of the Transportation Plan through analysis of demographic trends, land use, and other travel demand indicators to assess their correlation with the Transportation Plan;
- D. Education, training, and information exchange through attendance at transportation conferences and workshops including
  - 1. The Third National Conference on Transportation Planning Methods Applications,
  - 2. Other conferences of transportation planners and transportation planning agencies, and
  - 3. National Highway Institute training courses sponsored by SDHPT; and
- E. Other investigation and evaluation of technical and technological aids to transportation planning.

### **III. PLANNED WORK**

The coming year's work will include:

- A. Cooperation with SDHPT to complete a base year validation of the travel demand model for the Abilene Urban Transportation Study (SDHPT, FHWA);

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- B. Cooperation with SDHPT in the projection of travel demand for the Study area in the years 2000 and 2010 (SDHPT, FHWA);
- C. Update and revision of the Transportation Plan for the Study Area (FHWA, SDHPT, City);
- D. Coordination of the municipal Thoroughfare Plan with the update and revision of the Transportation Plan for the Study Area (City, FHWA);
- E. Monitoring of the Transportation Plan through analysis of demographic trends, land use, and other travel demand indicators to assess their correlation with the Transportation Plan (SDHPT, City);
- F. Education, training, and communication concerning progressive techniques, technology and theories of transportation and transportation planning through attendance at conferences and workshops: (FHWA, SDHPT, City)
  - 1. The annual Urban Transportation Planning Conference sponsored by SDHPT,
  - 2. State TRANPLAN Users' Group meetings,
  - 3. Other conferences of transportation planners or transportation planning agencies, and
  - 4. Technical workshops and training courses in transportation planning.
- G. Other travel in support of the planning activities (FHWA, SDHPT, City);
- H. Acquisition of computer hardware and software appropriate to facilitate the planning activities (FHWA, City); and
- I. Provision of other appropriate equipment and supplies for the planning activities (City, FHWA).

**IV. FUNDING REQUIREMENTS** \$85,300\*

**V. FUNDING SOURCES**

<b>FHWA</b>	<b>\$40,300</b>
City	15,800*
SDHPT	29,200

**VI. RESPONSIBLE AGENCIES** SDHPT and City

\* Includes in-kind services

## **TASK 3 - MASS TRANSPORTATION PLANNING**

### **I. OBJECTIVE**

The objective of this task is the use of an integrated planning approach for provision of transit service and improvement of the overall transit system. The component elements of the task are operating, capital, and planning activities.

### **II. PREVIOUS WORK**

This task is an ongoing program for the provision of transit service in the City of Abilene. All of the above mentioned activities have been done before, but this integrated effort is an improved approach in evaluating the transit system.

### **III. PLANNED WORK**

#### **A. Transit Operation Data (UMTA, City)**

This program will involve the continuing process of data collection to be used both for reporting requirements of UMTA (including Section 15 reports) and for evaluating performance and quality factors of the operation. Data collected will include, but not be limited to:

1. Ridership indicators such as passenger trips, vehicle miles, vehicle hours, passengers per mile, passengers per hour;
2. Performance indicators such as on-time performance, miles between road calls, and miles between preventable accidents; and
3. Cost indicators such as cost per mile, cost per hour, and operating ratio.

#### **B. Development of Federal and State Assistance Grants for the City of Abilene (UMTA, City)**

This planning activity will involve the preparation of all grant applications and subsequent support materials required by the Urban Mass Transportation Administration and the State Department of Highways and Public Transportation. The documentation for these applications includes:

1. Program certifications,
2. Legal public notices,
3. Project justifications,
4. Disadvantaged business enterprises goals,
5. Implementation schedules,

6. Cost allocation plans,
  7. Private sector participation documentation, and
  8. Other documentation as necessary or appropriate.
- C. General Development and Planning (UMTA, City)

This function will include:

1. Updating of staff knowledge concerning rule and regulation changes including, but not limited to, the Environmental Protection Agency's rules on alternative fuels and underground storage tanks, the Department of Transportation's rules on commercial drivers' licensing, UMTA's rules on substance and/or alcohol abuse testing and handicapped transportation as they relate to the recently-passed Americans With Disabilities Act;
2. Evaluation of routing, scheduling, and other technical adjustments to the operation;
3. Updates to the City's Title VI and Disadvantaged Business Enterprise Programs; and
4. Ongoing development of all City policies to insure maximum participation by the private sector where possible and feasible.

D. Education and Training (UMTA, City)

This planning component will include attendance by the City staff at seminars and workshops related to transit planning in the State of Texas and the Southwest Region.

E. Planning Transportation for the Handicapped (UMTA, City)

This function will involve the development and/or revamping of transportation services for the handicapped in such a way as to allow the City of Abilene to fully comply with the requirements set forth in the Americans With Disabilities Act. This planning effort will not only include transportation services planning, but also will deal with the overall assessment of accessibility issues including transit facilities, employment opportunities, etc.

II. FUNDING REQUIREMENTS \$73,250

III. FUNDING SOURCES                   UMTA   \$58,600  
   City     14,650

IV. RESPONSIBLE AGENCY                   City

## **TASK 4 - SOCIO-ECONOMIC DATA AND DEMOGRAPHIC ANALYSIS**

### **I. OBJECTIVE**

The objective of this task is to facilitate the development and monitoring of the Transportation Plan through collection, compilation, and analysis of socio-economic data concerning the Study area. These efforts are necessary for the preparation of trip production and attraction information and other essential demographic data used in travel demand models and other transportation planning activities.

### **II. PREVIOUS WORK**

#### **A. Census program actions taken during FY 1991 included:**

1. Continued participation in the postcensus Local Review of Housing program to ensure accuracy of spatial distribution of housing counts and related demographic data gathered in 1990 Census;
2. Acquisition and use of 1990 Census data for refinement of demographic projections for travel demand model;
3. Acquisition and use of 1990 Census TIGER products to begin integration of Census data with other Study area information for the development of a Geographic Information System; and
4. Continued program of compiling residential building permits by structure type and reporting results to U.S. Bureau of the Census for population estimation and decennial census preparations.

#### **B. Other work**

1. Updated land use information compiled in conjunction with the Abilene Urban Transportation Study; and
2. Analysis of building and housing data regarding distribution of residential, commercial, and industrial locations.

### **III. PLANNED WORK**

#### **A. Census Activities**

1. Acquisition, analysis, and compilation of 1990 Census data for use in the Study (FHWA, City),
2. Continuation of cooperative program of compiling residential building permits by structure type and reporting results to U.S. Bureau of the Census for population estimation and decennial census preparations (City),

3. Other efforts appropriate to improve the accuracy and efficiency of future census data collection and compilation (City, FHWA).

B. Other Information Improvement Activities

1. Compare and cross-reference 1990 Census with existing databases (City, FHWA),
  2. Continuing update and verification of land use database (City, FHWA)
  3. Collection of new geographic data and travel data in support of the primary planning activities (City, SDHPT, FHWA), and
  4. Implementation of an electronic geographic information system for the Abilene Urban Study Area, coordinating information developed for the Study with demographic and topographic information from other public sources and commercial vendors (City, FHWA);
- C. Acquisition of computer hardware and software to facilitate the planning activities (FHWA, City);
- D. Provision of other equipment and supplies in support the planning activities (FHWA, City), and
- E. Travel and training to support the planning activities (FHWA, City).

IV. FUNDING REQUIREMENTS \$78,900\*

V. FUNDING SOURCES FHWA \$41,700  
City 33,000\*  
SDHPT 4,200

VI. RESPONSIBLE AGENCIES SDHPT and City

\* Includes in-kind services

Abilene MPO FY 1992 UPWP

**RECAPITULATION OF AGENCY PARTICIPATION BY FUNDING SOURCE**

**FY 1991-1992 UNIFIED PLANNING WORK PROGRAM**

	<u>FHWA</u>	<u>UMTA</u>	<u>City</u>	<u>SDHPT</u>	<u>TOTALS</u>
Task 1 UTS Administration and Management	\$ 4,500	\$ 0	\$ 4,600*	\$2,100	\$ 11,200*
Task 2 Transportation Plan	40,300	0	15,800*	29,200	85,300*
Task 3 Mass Transportation Planning	0	58,600	14,650	0	73,250
Task 4 Socio-Economic Data and Demographic Analysis	41,700	0	33,000*	4,200	78,900*
<b>TOTALS</b>	<b>\$86,500</b>	<b>\$58,600</b>	<b>\$68,050*</b>	<b>\$35,500</b>	<b>\$248,650*</b>

**NOTES:**

FHWA funds include about \$35,300 in carryover funds

\* Includes in-kind services

( ) Parenthetical notations at end of work items in Planned Work indicate anticipated principal sources of funds for the work item, listed in descending order of relative contribution.

City - City of Abilene

FHWA - Federal Highway Administration

SDHPT - State Department of Highways and Public Transportation

UMTA - Urban Mass Transportation Administration

**ABILENE URBAN TRANSPORTATION STUDY  
TRANSPORTATION PLANNING COMMITTEE**

EX-OFFICIO MEMBERS	VOTING MEMBERS	OTHER MEMBERS
(Non-Voting) State & Federal Elected Officials	City of Abilene Planning & Development Officials	(Non-Voting) Review & Advisory Agency Officials
U.S. Representative District 17	Planning MPO Planning Coordinator	SDHPT District Officials
State Senator District 24	City Engineer	SDHPT D-10, Austin Area Planner
State Senator District 30	Traffic & Transportation Public Works	Federal Highway Administration Planning Engineer
State Representative District 78	City of Abilene Mayor	Texas Aeronautics Commission Representative
State Representative District 79	City of Tye Mayor	Texas Air Control Board Regional Director
	Jones County County Judge	Urban Mass Transportation Administration
	Jones County County Commissioner	West Central Texas Council of Governments Executive Director
	Taylor County County Judge	
	Taylor County County Commissioner	

Eight voting members shall constitute a quorum.

**ABILENE URBAN TRANSPORTATION STUDY  
TRANSPORTATION PLANNING COMMITTEE MEMBERS**

**Local Elected Officials**

Mayor Gary McCaleb, City of Abilene  
Mayor Dallas Perkins, City of Impact  
Mayor Violet E. Law, City of Tye  
The Honorable Roy Thorn, County Judge, Jones County  
Commissioner Virgil Ashworth, Jones County  
The Honorable Jesse A. Holloway, County Judge, Taylor County  
Commissioner Jack Turner, Taylor County

**City of Abilene Planning and Development Officials**

James Condry, Assistant Director of Planning and Development Services for Traffic and Transportation  
Lee Roy George, Assistant Director of Planning and Development Services for Planning  
Marva Pritchett, Director of Planning and Development Services  
Dale Williamson, City Engineer

**State Department of Highways and Public Transportation District Officials**

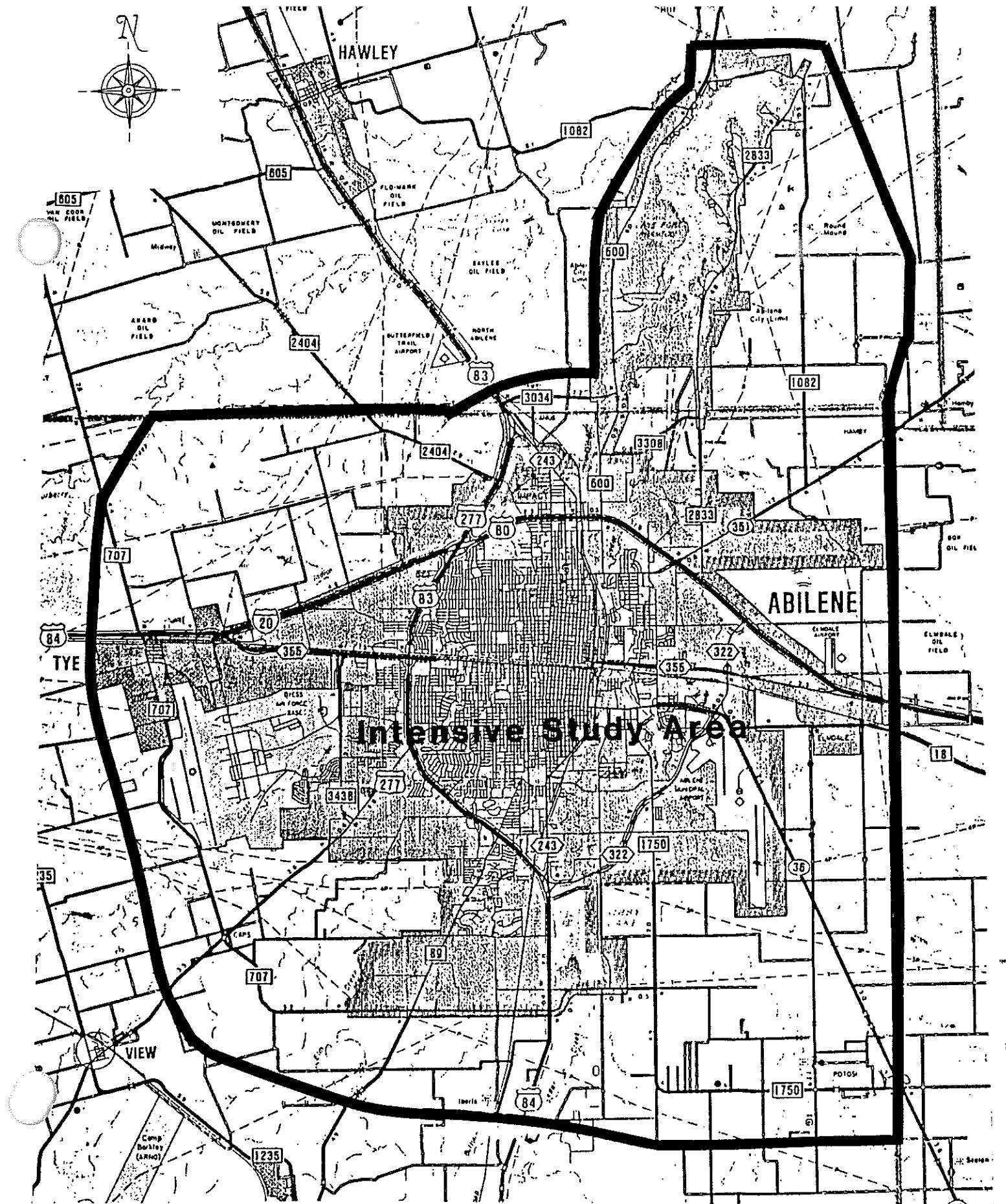
William G. Burnett, District Engineer  
Billy G. Jackson, District Design Engineer  
Doug May, Urban Transportation Study Manager  
Linda Smith, Area Resident Engineer

**Ex-Officio Members**

Charles W. Stenholm, U. S. House of Representatives, District 17  
Temple Dickson, Texas Senate, District 24  
Stephen Carriker, Texas Senate, District 30  
David Counts, Texas House of Representatives, District 78  
Bob Hunter, Texas House of Representatives, District 79

**Advisory and Review Agency Officials**

Michael Leary, Planning Engineer, Federal Highway Administration  
Walt Bailey, Planner, State Department of Highways and Public Transportation D-10, Austin  
Clay Wilkins, Texas Aeronautics Commission  
Paul Kandt, Texas Air Control Board  
Wilbur Hare, Urban Mass Transportation Administration  
Brad Helbert, West Central Texas Council of Governments



ABILENE URBAN TRANSPORTATION STUDY AREA MAP

(amended May 1991)

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EXHIBIT B

ABILENE URBAN TRANSPORTATION STUDY

Fiscal Year 1992  
(October 1, 1991 - September 30, 1992)

**TRANSPORTATION IMPROVEMENT PROGRAM**

Compiled by the

ABILENE METROPOLITAN PLANNING ORGANIZATION

In Cooperation with

CITY OF ABILENE, TEXAS  
CITY OF IMPACT, TEXAS  
CITY OF TYE, TEXAS

JONES COUNTY, TEXAS  
TAYLOR COUNTY, TEXAS

TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

FEDERAL HIGHWAY ADMINISTRATION

URBAN MASS TRANSPORTATION ADMINISTRATION

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## Key to Abbreviations

BI	Interstate Highway Business Route
Blvd.	Boulevard
BU	U.S. Highway Business Route
City	City of Abilene, Texas
E.	East
FAA	Federal Aviation Administration
FAP	Federal Aid Primary
FAS	Federal Aid Secondary
FAU	Federal Aid Urban
FHWA	Federal Highway Administration
FM	Farm to Market Road
FY	Fiscal Year
IH	Interstate Highway
mod.	modified
N.	North
NA	Not Applicable
R.O.W.	Right-of-way
RR	Railroad
S.	South
TX	Texas State Highway
State	State Department of Highways and Public Transportation
U.S.	United States Highway
UMTA	Urban Mass Transportation Administration
W.	West

Abilene Urban Transportation Study, Fiscal Year 1992

TRANSPORTATION IMPROVEMENT PROGRAM

BIENNIAL ELEMENT for FY 1992 and FY 1993:

ROADWAY PROJECTS WITH FEDERAL PARTICIPATION

PROJECT	EXTENT OF WORK	CHARACTER OF WORK	PHASE	ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	RECIPIENT
FM 3438 Extension	1.3 miles from U.S. 84 to IH 20	Construct 44' wide roadway on new alignment	1,2,3	\$1,160,000	\$876,000	\$290,000	State
FM 3522 (Jones County #303)	2.2 miles from FM 1082 to Jones County Road #298	Widen to 32' and replace bridge at Deadman Creek	1,2,3	\$858,000	\$643,500	\$214,500	State & City
FM 1082 Jones County	2.9 miles from Taylor County line northward	Rehabilitate, obtain additional R.O.W., and widen to 32' road	1,2,3	\$732,000	\$549,000	\$183,000	State
FM 1082 Jones County	Deadman Creek N. and S. locations	Replace bridges	1,2,3	\$430,000	\$322,500	\$107,500	State
FM 1082 Taylor County	1.6 miles from Jones County line to TX 351	Rehabilitate, obtain additional R.O.W., and widen to 32' road	1,2,3	\$437,000	\$327,750	\$109,250	State
Fulwiler Road	At MoPac RR	Install rubberized crossing	3	\$120,000	\$80,000	\$40,000	City
IH 20 Taylor County	32.5 miles from Nolan County line to Callahan County line	Replacement of existing guide signs	1, 3	\$102,000	\$91,800	\$10,200	State
							Interstate Rehabilitation

Abilene Urban Transportation Study, Fiscal Year 1992  
TRANSPORTATION IMPROVEMENT PROGRAM

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**BIENNIAL ELEMENT for FY 1992 and FY 1993:**

**OTHER ROADWAY PROJECTS**

PROJECT	EXTENT OF WORK	CHARACTER OF WORK	PHASE	ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	RECIPIENT
Old Anson Road	At Elm Creek	Bridge replacement	2, 3	\$600,000	-	\$600,000	city Bonds
Southwest Drive Extension	1.2 miles from bridge at Elm Creek to Rebecca Lane	Construct 64' road with curb and gutter on new alignment	1, 3	\$525,000	-	\$525,000	city Bonds
IH 20	At Pine Street, FM 600, and BI 20-R (East)	Safety Lighting	1, 3	\$300,000	-	\$300,000	state State
Industrial Blvd.	0.85 miles from Treadaway (BU 83-D) to Danville	Widen to 64' road with curb and gutter	1, 3	\$250,000	-	\$250,000	city Bonds
Closed Loop Signal System	Buffalo Gap Road at Clack, Danville, Rebecca Lane, and Robertson	Install closed loop signal system	NA	\$250,000	-	\$250,000	city Bonds
S. 7th St.	0.4 miles from U.S. 83/277 to Pioneer Drive	Widen to 60' with curb and gutter	1, 3	\$220,000	-	\$220,000	city Bonds

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Abilene Urban Transportation Study, Fiscal Year 1992  
 TRANSPORTATION IMPROVEMENT PROGRAM

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BIENNIAL ELEMENT for FY 1992 and FY 1993:

MASS TRANSPORTATION PROJECTS

TRANSIT CAPITAL PROJECTS	PROJECT DESCRIPTION	FEDERAL		LOCAL	
		ESTIMATED TOTAL COST	FUNDS NEEDED and SOURCE	FUNDS NEEDED and SOURCE	RECIPIENT
Bus replacement	Replacement of thirteen 1981 model Blue Bird buses, spare power plant, registering fare boxes, and radios for system	\$2,140,000	\$1,712,000	\$428,000	City
Transit vehicles	Purchase of 3 lift-equipped, demand-response vehicles	\$195,000	\$156,000	\$39,000	City
Capital program	Administration of Capital Program for bus replacement, vehicle acquisition and related items	\$100,000	\$80,000	\$20,000	City
Transit facility upgrade	Replace heating & air conditioning equipment and make related improvements; replace floor coverings; repaint facility exterior and resurface parking lot	\$102,000	\$81,600	\$20,400	City
Transit office equipment	Replace computer equipment and typewriter, purchase copier and education module for Abilene Transit System	\$18,000	\$14,400	\$3,600	City
Transit office equipment	Purchase video equipment for Abilene Transit System	\$1,500	\$1,200	\$300	City
Transit signs	Replace approximately 300 bus stop signs	\$45,000	\$36,000	\$9,000	City

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Abilene Urban Transportation Study, Fiscal Year 1992  
 TRANSPORTATION IMPROVEMENT PROGRAM

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BIENNIAL ELEMENT for FY 1992 and FY 1993:

MASS TRANSPORTATION PROJECTS

OTHER TRANSIT PROJECTS	PROJECT DESCRIPTION	FEDERAL ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	RECIPIENT
Transit Operations	Operating assistance FY 1991-1992	\$1,060,000	\$530,000	\$530,000	City
			UMTA Sect. 9		
				City	
Transit Planning	Planning assistance FY 1991-1992	\$73,250	\$58,600	\$14,650	City
			UMTA Sect. 9		
				City	
	Planning assistance FY 1992-1993	\$77,000	\$61,600	\$15,400	City
			UMTA Sect. 9		
				City	

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Abilene Urban Transportation Study, Fiscal Year 1992  
TRANSPORTATION IMPROVEMENT PROGRAM

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BIENNIAL ELEMENT for FY 1992 and FY 1993:

AVIATION PROJECTS

AVIATION PROJECTS	PROJECT DESCRIPTION	FEDERAL		LOCAL	
		ESTIMATED TOTAL COST	FUNDS NEEDED and SOURCE	FUNDS NEEDED and SOURCE	RECIPIENT
Airport roadways	Resurface Airport Blvd., Bonanza Drive, and parking circles	\$150,000	\$135,000 FAA	\$15,000 City	City
Aircraft apron	Rehabilitate apron west of Abilene Aero	\$200,000	\$180,000 FAA	\$20,000 City	City
Runway	Resurface and stripe Runway 17L-35R	\$560,000	\$504,000 FAA	\$56,000 City	City

## 3 - 5 YEAR ELEMENT for FY 1994 - FY 1996

## ROADWAY PROJECTS WITH FEDERAL PARTICIPATION

PROJECT	EXTENT OF WORK	CHARACTER OF WORK	PHASE	ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	
						RECIPIENT	RECIPIENT
Loop 322	4.2 miles from Maple Street to TX 36 (E. S. 11th)	Add 2 main lanes for 4-lane divided and modify interchanges	1, 3	\$5,873,000	\$4,405,000 FHWA FAU	\$1,468,000 State	State
Loop 322	2.1 miles from TX 36 (E.S. 11th) to IH 20	Add 2 main lanes for 4-lane divided and modify intersections	1, 3	\$3,880,000	\$2,910,000 FHWA FAP	\$970,000 State	State
Loop 322	7.0 miles from IH 20 to U.S. 83/84	Refurbish guide signs	1, 3	\$37,000	\$33,700 FHWA FAU & FAP	\$3,700 State	State
U.S. 83/84	1.8 miles from BI 20-R to south end of U.S. 277 overpass	Upgrade ramps and frontage roads	1,2,3	\$4,941,000	\$3,705,750 FHWA FAP	\$1,235,250 State	State
U.S. 83/84	3.4 miles from south end of U.S. 277 overpass to near Loop 322	Upgrade ramps and frontage roads	1,2,3	\$3,179,000	\$2,384,250 FHWA FAP	\$794,750 State	State
U.S. 277	3.2 miles from Dub Wright Boulevard (FM 3438) to FM 707	Grading, structures, and paving for two additional lanes	1, 3	\$1,864,000	\$1,398,000 FHWA FAP	\$466,000 State	State
E.N. 10th	1.1 miles from Griffith Road to Loop 322	Widen to 64'	1,2,3	\$1,100,000	\$880,000 FHWA FAU	\$220,000 City	City
FM 3308 (extension)	2.0 miles from FM 2833 to FM 1082	Acquire R.O.W. and construct 32' roadway	1,2,3	\$1,000,000	\$750,000 Combined Road Plan	\$250,000 State	State

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Abilene Urban Transportation Study, Fiscal Year 1992  
TRANSPORTATION IMPROVEMENT PROGRAM

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3 - 5 YEAR ELEMENT FOR FY 1994 - FY 1996

**ROADWAY PROJECTS WITH FEDERAL PARTICIPATION**

PROJECT	EXTENT OF WORK	CHARACTER OF WORK	PHASE	ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	RECIPIENT
FM 89 (Buffalo Gap Road)	0.8 mile from 0.1 mile north of US 83 to 0.1 mile south of Rebecca Lane	Acquire R.O.W. and widen to 88' curb and gutter section	1, 2, 3	\$435,000	\$348,000	\$87,000	State
E.S. 27th At Lytle Creek	Construct new 52' wide bridge		1, 3	\$350,000	\$280,000	\$70,000	City
U.S. 83	9.9 miles from Jones County line to Loop 322	Refurbish guide signs	1, 3	\$77,000	\$69,300	\$7,700	State
Shoreline Drive	0.01 miles at Bridge #B24275-2, 0.4 miles south of Lytle Way	Construct new bridge	1, 3	\$59,000	\$47,200	\$11,800	City
					FHWA Off-System Bridge Replacement		

Abilene Urban Transportation Study, Fiscal Year 1992  
TRANSPORTATION IMPROVEMENT PROGRAM

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3 - 5 YEAR ELEMENT for FY 1994 - FY 1996

OTHER ROADWAY PROJECTS

PROJECT	EXTENT OF WORK	CHARACTER OF WORK	PHASE	TOTAL COST	ESTIMATED	FEDERAL	FUND'S NEEDED and SOURCE	LOCAL FUND'S NEEDED and SOURCE	RECIPIENT
N. 10th	1.7 miles from Wall to Fulwiler	Construct 64' roadway with curb and gutter and low water crossing	1, 2, 3	\$1,200,000	-	\$1,200,000	City	City	
N. 10th	0.9 miles from Treadaway to Grape	Widening to 64' with curb and gutter	1, 3	\$600,000	-	\$600,000	City	City	
Loop 322	2.1 miles from Maple Street to intersection of U.S. 83/84 and Antilley Road	Replace guide signs and safety lighting	1, 3	\$1,128,000	-	\$1,128,000	State	State	
E.S. 5th/ E.S. 7th	0.9 miles from RR to T & P Lane	Construct 40' roadway with curb and gutter	1, 3	\$500,000	-	\$500,000	City	City	
West Lake Road	1 mile from Ambler (TX 351) to IH 20	Widen to 64' with curb and gutter	1, 2, 3	\$420,000	-	\$420,000	City	City	
Antilley Road	0.4 miles from Buffalo Gap Road (FM 89) to Wylie High School Stadium	Construct 64' curb gutter section	1, 2, 3	\$400,000	-	\$400,000	City	City	
U. S. 83/84	At Antilley Road	Landscape	1, 3	\$214,000	-	\$214,000	State	State	
Main Street	0.11 miles from N. 1st Street to S. 1st Street	Construct 26' wide roadway with RR gate & rubber crossing	1, 3	\$195,000	-	\$195,000	City	Bonds	

Abilene Urban Transportation Study, Fiscal Year 1992  
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**3 - 5 YEAR ELEMENT for FY 1994 - FY 1996**

**OTHER ROADWAY PROJECTS**

PROJECT	EXTENT OF WORK	CHARACTER OF WORK	PHASE	ESTIMATED TOTAL COST	FEDERAL	LOCAL	FUND'S NEEDED and SOURCE	FUND'S NEEDED and SOURCE	RECIPIENT
					FEDERAL	LOCAL			
E.N. 10th	At Burlington Northern RR	Install rubberized crossings and gates	3	\$146,000	-	-	\$146,000	City	City
Union Pacific On Pioneer Drive, RR crossings	Shelton, and Victoria	Install rubberized crossings	3	\$90,000	-	-	\$90,000	City	City
N. 5th/N. 6th Connector	0.1 mile from N. 5th and N. 6th to Lillius	Construct one-way pair connector	1,2,3	\$88,900	-	-	\$88,900	City	City
Corsicana Avenue	0.27 mile from Andy to Hartford	Construct 24' wide pavement	1,2,3	\$65,000	-	-	\$65,000	City	City
S. 7th/ Willis	Intersection of S. 7th and Willis	Intersection improvement	1,2,3	\$40,000	-	-	\$40,000	City	City
Robertson at Buffalo Gap Road	0.04 mile of Robertson Drive at Buffalo Gap Road	Right turn lane from Robertson Drive onto Buffalo Gap Road	1, 3	\$20,000	-	-	\$20,000	City	City

Abilene Urban Transportation Study, Fiscal Year 1992  
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3 - 5 YEAR ELEMENT for FY 1994 - FY 1996

MASS TRANSPORTATION PROJECTS

TRANSIT CAPITAL PROJECTS	PROJECT DESCRIPTION	ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	RECIPIENT
Transit shop equipment	Portable lifts, forklifts, engine equipment, etc. for Abilene Transit facility at 1189 S. 2nd Street	\$65,000	\$52,000	\$13,000	City
Transit vehicle	Replacement of service vehicle for Abilene Transit System	\$18,000	\$14,400	\$3,600	City

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Abilene Urban Transportation Study, Fiscal Year 1992  
TRANSPORTATION IMPROVEMENT PROGRAM

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3 - 5 YEAR ELEMENT for FY 1994 - FY 1996

MASS TRANSPORTATION PROJECTS

OTHER TRANSIT PROJECTS	PROJECT DESCRIPTION	ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	RECIPIENT
Transit Operations	Operating Assistance FY 1993-1994	\$1,168,650	\$584,325	\$584,325	City
	Operating Assistance FY 1994-1995	\$1,227,100	UMTA Sect. 9	UMTA Sect. 9	City & State
	Operating Assistance FY 1995-1996	\$1,288,450	UMTA Sect. 9	UMTA Sect. 9	City & State
Transit Planning	Planning Assistance FY 1993-1994	\$80,850	\$644,225	\$644,225	City
	Planning Assistance FY 1994-1995	\$84,900	UMTA Sect. 9	UMTA Sect. 9	City & State
	Planning Assistance FY 1995-1996	\$89,150	UMTA Sect. 9	UMTA Sect. 9	City & State

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Abilene Urban Transportation Study, Fiscal Year 1992  
TRANSPORTATION IMPROVEMENT PROGRAM

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3 - 5 YEAR ELEMENT for FY 1994 - FY 1996

AVIATION PROJECTS

AVIATION PROJECTS	PROJECT DESCRIPTION	ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	RECIPIENT
Taxiways	Resurface Taxiways D, D-1, D-2, D-3, and D-4	\$250,000	\$225,000 FAA	\$25,000 City	City
Taxiways	Extend Taxiway U south about 4,000'	\$250,000	\$225,000 FAA	\$25,000 City	City
Runway	Resurface Runway 4-22 and associated taxiways	\$200,000	\$180,000 FAA	\$20,000 City	City
Aircraft apron	Resurface aircraft apron on west side of airport	\$200,000	\$180,000 FAA	\$20,000 City	City

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HIGH PRIORITY PROJECTS  
FOR FISCAL YEARS 1996 - 2010

FACILITY	EXTENT OF WORK	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
X 36	6.3 miles from 1.2 miles south of FM 18 to FM 1750	Acquire R.O.W. and construct two additional lanes	R-2	\$3,028,000
U.S. 277	0.4 miles at FM 3438	Construct grade separation	NA	\$1,650,000
Hartford	At Little Elm Creek	Replace low water crossing with bridge	NA	\$1,000,000
S. 14th	1.1 miles from Sayles Blvd. to Treadaway Blvd. (BU 83-D)	Construct 64' curb and gutter section	A-66	\$826,000
Industrial Blvd.	1.5 miles from 0.1 mile E. of Treadaway Blvd. to Loop 322	Construct 64' curb and gutter section	A-66	\$810,000
Industrial Blvd.	0.5 mile from Loop 322 to FM 1750	Widen to 64' curb and gutter section	A-66	\$100,000
Lytle Way	0.4 miles from Play to Loop 322	Acquire R.O.W. and construct 52' curb and gutter section	A-52	\$476,000
N. 1st and N. 2nd	0.3 miles from Walnut to Treadaway Blvd. (BU 83-D)	Acquire R.O.W. and construct one-way pair connector	A-28	\$380,000
N. 1st and N. 2nd St.	0.2 miles from Beech to Mulberry	Acquire R.O.W. and construct one-way pair connector	A-28	\$350,000
Huckleberry Lane	0.27 mile from Plum to FM 600	Acquire R.O.W. and construct 40' curb and gutter section	A-48 (mod.)	\$125,000
Maple Street	0.75 miles south from Loop 322 to Kirby Lake Park Entrance Road	Construct 28' wide paved roadway	A-66 (mod.)	\$120,000
Corsicana Avenue	0.33 mile from Hartford to S. 7th	Acquire R.O.W. and construct 40' curb and gutter section	A-48 (mod.)	\$100,000
Portland and Russell Ave.	At Catclaw Creek	Remove low water crossing	NA	\$15,000

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MEDIUM PRIORITY PROJECTS  
 FOR FISCAL YEARS 1996 - 2010

FACILITY	EXTENT OF WORK	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
FM 707	4.4 miles US 277 to FM 89	Reconstruct and add shoulders	R-1	\$1,047,000
FM 707	6.2 miles from Tye to US 277	Reconstruct, add shoulders and bridges	R-1	\$946,000
FM 707	2.2 miles from US 83/US 84 to FM 1750	Reconstruct, add shoulders, enlarge culverts	R-1	\$592,000
N. 10th	At Little Elm Creek	Construct bridge	NA	\$1,000,000
Maple	1.5 miles from S. 27th to Loop 322	Construct 64' curb and gutter section	A-66	\$810,000
Maple	1.6 miles from S. 11th to S. 27th	Construct 64' curb and gutter section	A-66	\$657,000
Antilley Road	0.5 miles from Wylie High School Stadium to Elm Creek	Construct 64' curb and gutter section	A-66	\$525,000
Grape	0.7 mile from Huckleberry Lane to Pine (BR 83)	Construct 40' curb and gutter section	A-48	\$250,000
Bikeway Stage 2	40.9 miles at various locations	Asphaltic concrete paving, signs, and drainage improvements	NA	\$169,000
Huckleberry Lane	0.25 mile from Grape to Hickory	Reconstruct Huckleberry Lane with storm sewers added	A-48 (mod.)	\$125,000
N. 6th	0.06 mile at Shelton	Construct transition to Shelton	A-66	\$20,000

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Abilene Urban Transportation Study, FY 1992  
TRANSPORTATION IMPROVEMENT PROGRAM LONG RANGE ELEMENT

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LOW PRIORITY PROJECTS  
 FOR FISCAL YEARS 1996 - 2010

FACILITY	EXTENT OF WORK	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
Hayter Road	2.8 miles from IH 20 northward	Acquire R.O.W. and construct 64' curb and gutter section	A-66	\$1,796,000
Ambler Avenue	0.7 miles from IH 20 to Winters Freeway (US 83/277)	Acquire R.O.W. and construct 64' curb and gutter section	A-66	\$1,740,000
Shirley Road	2.7 miles from IH 20 northward	Acquire R.O.W. and construct 64' curb and gutter section	A-66	\$1,728,000
Judge Ely Blvd.	1.9 miles from IH 20 to FM 3308	Acquire R.O.W. and construct 64' curb and gutter section	R-1	\$1,200,000
Judge Ely Blvd.	At Cedar Creek	Construct bridge	NA	\$1,000,000
Northwest Drive	1.8 miles from Shirley Road to FM 2404	Acquire R.O.W. and construct 64' curb and gutter section	A-66	\$1,102,000
Un-named road (Northwest Drive)	1 mile from Hayter Road to Shirley Road	Acquire R.O.W. and construct 64' curb and gutter section	A-66	\$350,000
Military Drive	2.4 miles from FM 3438 west to city limits	Acquire R.O.W. and widen to 64' curb and gutter section	A-66	\$980,000
Un-named road	2.1 miles from Hayter Road to FM 2404	Acquire R.O.W. and widen to 64' curb and gutter section	A-66	\$926,000
E.S. 27th	0.4 miles from Oldham Lane (FM 1750) to Loop 322	Acquire R.O.W. and construct 52' curb and gutter section	A-52	\$738,000
E.S. 27th	1.1 miles from Maple to Oldham Lane (FM 1750)	Construct 64' curb and gutter section	A-66	\$495,000
S. 27th	0.8 miles from RR to Maple	Construct 64' curb and gutter section	A-66	\$186,000
Griffith Road	1.2 miles from Westheimer to IH 20	Acquire R.O.W. and construct 40' curb and gutter section	A-48 (mod.)	\$535,000

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Abilene Urban Transportation Study, FY 1992  
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LOW PRIORITY PROJECTS  
 FOR FISCAL YEARS 1996 - 2010

FACILITY	EXTENT OF WORK	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
Impact Drive	0.7 miles from west city limits of Impact to Grape	Construct 40' curb and gutter section	A-48 (mod.)	\$503,000
BI 20-R (E. Highway 80)	2.25 miles from 0.1 miles E. of BU 83-D (Treadaway) to near Loop 322	Eliminate depressed median and relocate street lighting	NA	\$472,500
Mockingbird	0.6 miles from IH 20 to Vogel Ave.	Acquire R.O.W. and construct 40' curb and gutter section	A-48 (mod.)	\$396,000
Mockingbird	At S. 1st	Construct at-grade cloverleaf	NA	\$170,000
Mockingbird	At N. 1st	Construct at-grade cloverleaf	NA	\$120,000
Butternut	0.5 miles from S. 14th to S. 20th	Construct 64' curb and gutter section	A-66	\$343,000
Elmdale Road	0.6 miles from IH 20 to FM 18	Construct 64' curb and gutter section	A-66	\$189,000
Willis	0.55 miles from N. 12th to N. 18th	Widen to 64' curb and gutter section	A-66	\$140,000
Main Street	0.4 mile from Santa Fe to Ruidosa Avenue	Acquire R.O.W. and construct 40' curb and gutter section	A-48	\$125,000

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