

RESOLUTION NO. 21-1990

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS, APPROVING THE 1990-91 UNIFIED PLANNING WORK PROGRAM AND TRANSPORTATION IMPROVEMENT PROGRAM FOR TRANSPORTATION PLANNING.

WHEREAS, the City of Abilene as designated Metropolitan Planning Organization is responsible for coordinating and documenting all transportation planning activities in the Abilene Urbanized Area; and,

WHEREAS, the City of Abilene proposes to undertake several transportation planning tasks for which U.S. Department of Transportation funding will be used; and,

WHEREAS, the City of Abilene has determined that these planning tasks are essential to the orderly growth and development of a safe and efficient transportation system; now, therefore,

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


PART 1: That the 1990-91 Unified Planning Work Program attached as "Exhibit A: is hereby approved; and,

PART 2 That staff is hereby authorized to submit said Unified Planning Work Program to the U.S. Department of Transportation for their approval; and,

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

PASSED this 14 day of June, A.D. 1990.

Attest:

  
\_\_\_\_\_  
City Secretary

  
\_\_\_\_\_  
Mayor

Approved:

  
\_\_\_\_\_  
City Attorney

EXHIBIT "A"

ABILENE URBAN TRANSPORTATION STUDY  
UNIFIED PLANNING WORK PROGRAM

FISCAL YEAR 1991

October 1, 1990 - September 30, 1991

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 1990

00050

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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

0) 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 1991 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 1989-1990 fiscal year include:

- A. Development of the 1990-1991 Unified Planning Work Program;
- B. Development of the 1990-1991 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, necessary for the direction and facilitation of the planning activities.

**III. PLANNED WORK**

- A. Transportation Improvement Program for FY 1992 (SDHPT, FHWA, City);
- B. Unified Planning Work Program for FY 1992 (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);
- 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).

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IV. FUNDING REQUIREMENTS \$10,356\*

V. FUNDING SOURCES

FHWA	\$ 3,756
City	4,500*
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 1990 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. Training in the use of TRANPLAN travel demand modelling software in preparation for monitoring of the updated Transportation Plan and continuing application of the validated travel demand model in subarea analyses;
- C. Education, training, and information exchange through attendance at transportation conferences and workshops; and
- D. 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 in development of projected travel demand models for the Study area (SDHPT, FHWA);
- B. Update and revision of the Transportation Plan for the Study Area (FHWA, SDHPT, City);
- C. Monitoring of the Transportation Plan through analysis of demographic trends, land use, and other travel demand indicators to determine their correlation with the Transportation Plan (SDHPT, FHWA, City);

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- D. 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. Annual Transportation Planning Conference sponsored by Texas SDHPT,
  - 2. Other conferences of transportation or transportation planning agencies, groups, or officials, and
  - 3. Technical workshops and symposiums as appropriate;
- E. Other travel as necessary in support of the planning activities (FHWA, SDHPT, City);
- F. Acquisition of computer hardware and software appropriate to facilitate the planning activities (FHWA, City); and
- G. Provision of other appropriate equipment and supplies for the planning activities (City, FHWA).

IV. FUNDING REQUIREMENTS \$84,095\*

V. FUNDING SOURCES

FHWA	\$39,595
City	15,300*
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, and 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,

Abilene MPO FY 1991 UPWP

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 new Environmental Protection Agency rules on alternative fuels, the Department of Transportation's new rules on commercial drivers' licensing, UMTA's rules on substance and/or alcohol abuse testing, and the upcoming regulations to be brought about the impending passage of the American 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 Enterprises Programs; and
4. Ongoing development of all City policies to ensure 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 Elderly and Handicapped (UMTA, City)

This function will involve the development and/or revamping of transportation services for the elderly and handicapped so the City may fully comply with the requirements set forth in the American Disabilities Act. This 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.

IV.	<u>FUNDING REQUIREMENTS</u>		\$65,000
V.	<u>FUNDING SOURCES</u>	UMTA	\$52,000
		City	13,000
VI.	<u>RESPONSIBLE AGENCY</u>	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 journey-to-work 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 1990 included:**

1. Participation in the program for precensus and postcensus Local Review of Housing;
2. Work with local employers in a cooperative program to promote accurate reporting of place-of-work information in the decennial census; and
3. 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. Updates of land use information compiled in conjunction with the Abilene Urban Transportation Study;
2. Traffic counts at various locations around the city for special traffic analysis needs; and
3. Analysis of building and housing data regarding distribution of residential, commercial, and industrial locations;

**III. PLANNED WORK**

**A. Census Activities**

1. Continue 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 (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 cooperative efforts as appropriate to improve the accuracy and efficiency of census data collection and compilation (City, FHWA), and

Abilene MPO FY 1991 UPWP

4. Acquisition, analysis, and compilation of 1990 Census data for use in the Study (FHWA, City).

B. Other Database 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 as necessary or appropriate in support of the primary planning activities (City, SDHPT, FHWA), and
4. Contribution to the development 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. Obtain equipment and supplies necessary for the planning activities (City, FHWA).

IV. FUNDING REQUIREMENTS \$51,039\*

V. FUNDING SOURCES

FHWA	\$14,839
City	32,000*
SDHPT	4,200

VI. RESPONSIBLE AGENCIES SDHPT and City

\* Includes in-kind services

**RECAPITULATION OF AGENCY PARTICIPATION BY FUNDING SOURCE**

**FY 1990-1991 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	\$ 3,756	\$ 0	\$ 4,500*	\$2,100	\$ 10,356*
Task 2 Transportation Plan	39,595	0	15,300*	29,200	84,095*
Task 3 Mass Transportation Planning	0	52,000	13,000	0	65,000
Task 4 Socio-Economic Data and Demographic Analysis	14,839	0	32,000*	4,200	51,039*
<b>TOTALS</b>	<b>\$58,190</b>	<b>\$52,000</b>	<b>\$64,800*</b>	<b>\$35,500</b>	<b>\$210,490*</b>

**NOTES:**

\* 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**

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

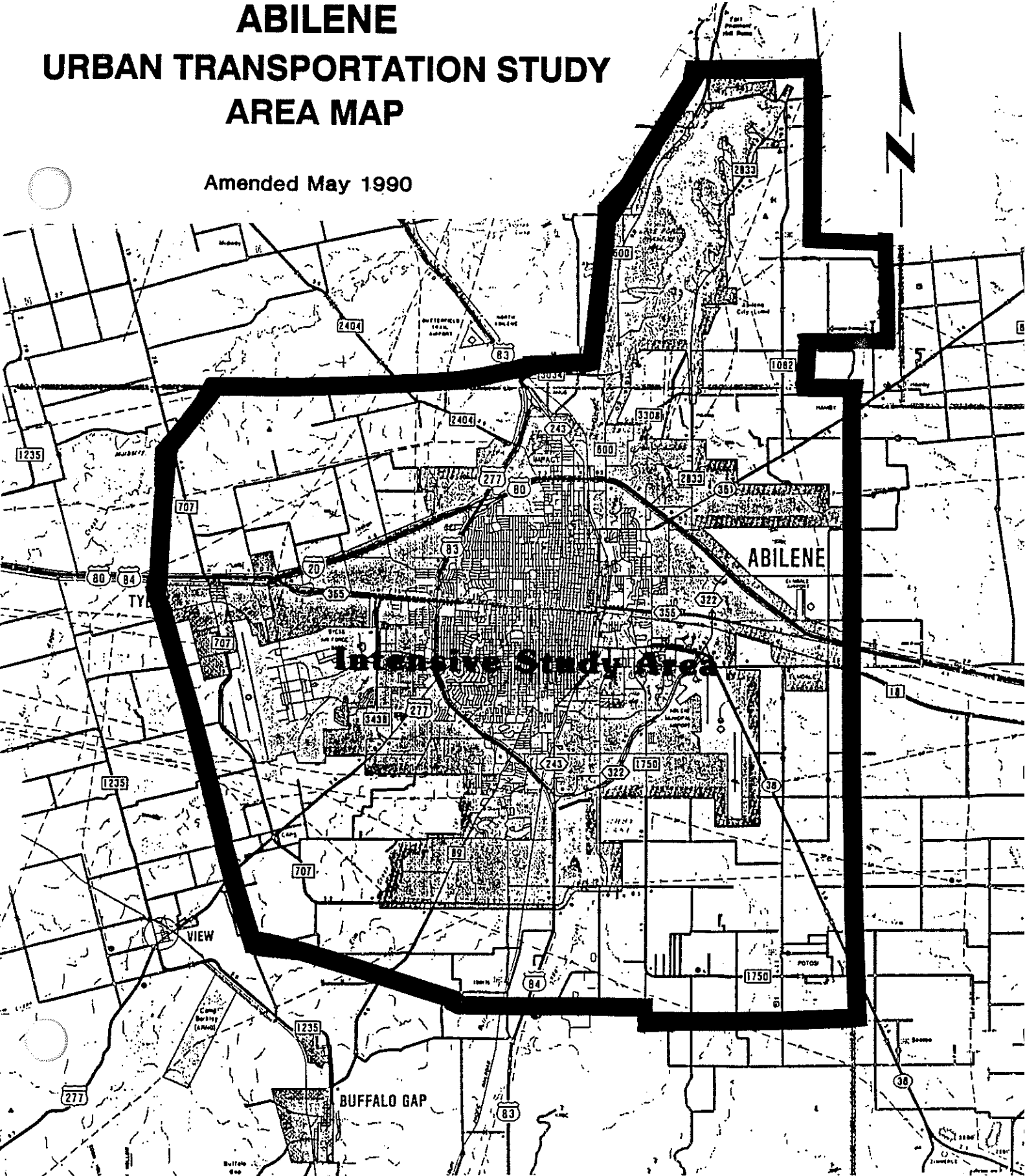
Charles W. Stenholm, U. S. House of Representatives, District 17  
Temple Dickson, Texas Senate, District 24  
Stephen Carriker, Texas Senate, District 30  
David Counts, Texas House of Representatives, District 78  
Bob Hunter, Texas House of Representatives, District 79

**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 1990





ABILENE URBAN TRANSPORTATION STUDY  
Fiscal Year 1991  
(October 1, 1990 - September 30, 1991)

TRANSPORTATION IMPROVEMENT PROGRAM

Compiled by the  
ABILENE METROPOLITAN PLANNING ORGANIZATION

In Cooperation with

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

JONES COUNTY, TEXAS  
TAYLOR COUNTY, TEXAS

TEXAS STATE DEPARTMENT OF HIGHWAYS AND PUBLIC TRANSPORTATION

and the

FEDERAL HIGHWAY ADMINISTRATION

## Key to Abbreviations

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

BIENNIAL ELEMENT for FY 1991 and FY 1992:  
 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
Loop 322	1.1 miles from U.S. 83/84 to Maple Street	Construct interchange with U.S. 83/84 and add 2 main lanes for 4-lane divided	1, 2, 3	\$9,650,000	\$7,237,000 FHWA FAP	\$2,412,500 State & City	State
Loop 322	1.8 miles from Maple Street to FM 1750	Add 2 main lanes for 4-lane divided	1, 3	\$3,080,000	\$2,310,000 FHWA FAP	\$770,000 State	State
U.S. 83/84	1.8 miles from Loop 355 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. 83/84	At Antilley Road	Construct grade separation	1, 3	\$2,800,000	\$2,100,000 FHWA FAP	\$700,000 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

BIENNIAL ELEMENT for FY 1991 and FY 1992:  
 ROADWAY PROJECTS WITH FEDERAL PARTICIPATION

PROJECT	EXTENT OF WORK	CHARACTER OF WORK	PHASE	FEDERAL		LOCAL		FUNDS NEEDED and SOURCE	FUNDS NEEDED and SOURCE	RECIPIENT
				ESTIMATED TOTAL COST	ESTIMATED TOTAL COST	FUNDS NEEDED and SOURCE	FUNDS NEEDED and SOURCE			
Rebecca Lane	2.5 miles from Catclaw Drive to U.S. 277	Widen to 64' with curb and gutter & Catclaw Creek bridge	2,3	\$2,200,000	\$1,200,000	FHWA FAU	\$1,000,000	City	Bonds	
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	FHWA FAU	\$290,000	State	State & City	
Jones County Road #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	Combined Roadway Plan	\$214,500	State	State & City	
Oldham Lane (FM 1750)	1.8 miles from E. S. 11th to Loop 322	Widening to 64' with curb and gutter	3	\$850,000	\$765,000	FHWA FAU & HES	\$85,000	State	State	
Fulwiler Road	At MoPac RR	Install rubberized crossing	NA	\$120,000	\$80,000	RR Safety Crossing Fund	\$40,000	City		

BIENNIAL ELEMENT for FY 1991 and FY 1992:  
 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
Judge Ely Boulevard Relocation	1.2 miles from 0.3 miles north of E. N. 10th to 0.2 miles south of IH 20	Relocation of roadway alignment to the east	1, 2, 3	\$1,250,000-	\$1,250,000		City
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
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
Main Street	0.11 miles from N. 1st Street to S. 1st Street	Construct 26' wide with RR gate & rubber crossing	NA	\$195,000		\$195,000	City Bonds

BIENNIAL ELEMENT for FY 1991 and FY 1992:  
 MASS TRANSPORTATION PROJECTS

TRANSIT CAPITAL PROJECTS	PROJECT DESCRIPTION	ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	RECIPIENT
Transit Facility Upgrade	Replace heating & air conditioning equipment and make related improvements; purchase cleaning equipment; and renovate underground storage tank equipment	\$75,000	\$60,000 UMTA Sect. 9	\$15,000 City & State	City
Bus Replacement	Replacement of thirteen 1981 model Blue Bird buses, spare power plant, registering fare boxes, and radios for system	\$1,900,000	\$1,520,000 UMTA Sect. 9	\$380,000 City & State	City
Transit spare parts	Acquisition of spare parts for transit vehicles	\$120,000	\$96,000 UMTA Sect. 9	\$24,000 City & State	City
Transit vehicles	Purchase of 2 lift-equipped, demand-response vehicles	\$120,000	\$114,000 UMTA Sect. 9	\$6,000 City	City
Vans for elderly and handicapped	Acquisition of five 15-passenger vans by Abilene Mental Health - Mental Retardation (MHMR)	\$90,000	\$72,000 UMTA 16 b (2)	\$18,000 MHMR	MHMR
Vans for elderly and handicapped	Acquisition of one 15-passenger van by Rural Taylor County Aging Services	\$18,000	\$14,400 UMTA 16 b (2)	\$3,600 Taylor County Aging Services	Taylor County Aging Services
Capital Program Administration	Administration of Capital Program for bus replacement, vehicle acquisition and related items	\$69,000	\$55,200 UMTA Sect. 9	\$13,800 City & State	City

00070

BIENNIAL ELEMENT for FY 1991 and FY 1992:  
 MASS TRANSPORTATION PROJECTS

TRANSIT CAPITAL PROJECTS	PROJECT DESCRIPTION	ESTIMATED TOTAL COST	FEDERAL FUNDS NEEDED and SOURCE	LOCAL FUNDS NEEDED and SOURCE	RECIPIENT
Transit office equipment	Replace computer equipment and typewriter, purchase copier and education module for Abilene Transit System	\$18,000	\$14,400 UMTA Sect. 9	\$3,600 City & State	City
Transit Vehicle	Replacement of supervisory vehicle	\$13,000	\$10,400 UMTA Sect. 9	\$2,600 City & State	City

Abilene Urban Transportation Study, Fiscal Year 1991  
TRANSPORTATION IMPROVEMENT PROGRAM

BIENNIAL ELEMENT for FY 1991 and FY 1992:  
 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 1990-1991	\$940,000	\$470,000	\$470,000	City
			UMTA Sect. 9		City
	Operating assistance FY 1991-1992	\$980,000	\$490,000	\$490,000	City
			UMTA Sect. 9		City & State

Transit Planning	Planning assistance FY 1990-1991	\$60,000	\$48,000	\$12,000	City
			UMTA Sect. 9		City
	Planning assistance FY 1991-1992	\$65,000	\$52,000	\$13,000	city
			UMTA Sect. 9		City & State



Abilene Urban Transportation Study, Fiscal Year 1991  
TRANSPORTATION IMPROVEMENT PROGRAM

3 - 5 YEAR ELEMENT for FY 1993 - FY 1995  
 ROADWAY PROJECTS WITH FEDERAL PARTICIPATION

PROJECT	EXTENT OF WORK	CHARACTER OF WORK	PHASE	ESTIMATED TOTAL COST	FEDERAL		LOCAL	
					FUNDS NEEDED and SOURCE	FUNDS NEEDED and SOURCE	FUNDS NEEDED and SOURCE	RECIPIENT
U.S. 277	0.4 miles at FM 3438	Construct grade separation	1, 3	\$1,650,000	\$1,237,500		\$412,500	State
Loop 322	2.1 miles from Oldham Lane to S.H. 36 (E.S. 11th)	Add 2 main lanes for 4-lane divided	1, 3	\$1,213,000	\$909,750		\$303,750	State
E.N. 10th	1.1 miles from Griffith Road to Loop 322	Widen to 64'	1,2,3	\$1,100,000	\$880,000		\$220,000	City
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	2,3	\$435,000	\$348,000		\$87,000	State
West Lake Road	1 mile from Ambler (SH 351) to IH 20	Widening to 64' with curb and gutter	1,2,3	\$420,000	-		\$420,000	City
E.S. 27th	At Lytle Creek	Construct new 52' wide bridge	NA	\$350,000	\$280,000		\$70,000	City
Shoreline Drive	0.01 miles at Bridge #B24275-2, 0.4 miles south of Lytle Way	Construct new bridge	3	\$59,000	\$47,200		\$11,800	City

FHWA FAP  
 FHWA FAU  
 FHWA Off-System  
 Bridge Replacement

Phases: 1 - Engineering & Design; 2 - R.O.W. Acquisition; 3 - Construction

3 - 5 YEAR ELEMENT for FY 1993 - FY 1995  
 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
N. 10th	1.7 miles from Wall to Fulwiler	Construct 64' roadway with curb and gutter and low water crossing		\$1,200,000	-	\$1,200,000	City
N. 10th	0.9 miles from Treadaway to Grape	Widening to 64' with curb and gutter		\$600,000	-	\$600,000	City
E.S. 5th/ E.S. 7th	0.83 miles from Cedar Creek to Lytle Creek	Construct 40' roadway with curb and gutter		\$400,000	-	\$400,000	City
E.N. 10th	At Burlington Northern RR	Install rubberized crossings and gates		\$146,000	-	\$146,000	City
MoPac RR crossings	On Pioneer Drive, Shelton, and Victoria	Install rubberized crossings		\$90,000	-	\$90,000	City
N. 5th/N.6th Connector	0.1 mile from N. 5th and N. 6th to Lillius	Construct one-way pair connector		\$88,900	-	\$88,900	City

Abilene Urban Transportation Study, Fiscal Year 1991  
TRANSPORTATION IMPROVEMENT PROGRAM

3 - 5 YEAR ELEMENT for FY 1993 - FY 1995  
 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
Corsicana Avenue	0.27 mile from Andy to Hartford	Construct 24' wide pavement		\$65,000	-	\$65,000	City
S. 7th/ Willis	Intersection of S. 7th and Willis	Intersection improvement		\$40,000	-	\$40,000	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		\$20,000	-	\$20,000	City

Abilene Urban Transportation Study, Fiscal Year 1991  
TRANSPORTATION IMPROVEMENT PROGRAM

3 - 5 YEAR ELEMENT for FY 1993 - FY 1995  
 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 UMTA Sect. 9	\$13,000 City & State	City
Transit Facility Upgrade	Repair bus parking area, make building improvements, and purchase replacement equipment for Abilene Transit facility at 1189 S. 2nd Street	\$60,000	\$48,000 UMTA Sect. 9	\$12,000 City & State	City
Transit vehicle	Replacement of service vehicle for Abilene Transit System	\$15,000	\$12,000 UMTA Sect. 9	\$3,000 City & State	City

3 - 5 YEAR ELEMENT for FY 1993 - FY 1995  
 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 1992-1993	\$1,019,000	\$509,500 UMTA Sect. 9	\$509,500 City & State	City
	Operating Assistance FY 1993-1994	\$1,060,000	\$530,000 UMTA Sect. 9	\$530,000 City & State	City
	Operating Assistance FY 1994-1995	\$1,102,000	\$551,000 UMTA Sect. 9	\$551,000 City & State	City
Transit Planning	Planning Assistance FY 1992-1993	\$70,000	\$56,000 UMTA Sect. 9	\$14,000 City & State	City
	Planning Assistance FY 1993-1994	\$75,000	\$60,000 UMTA Sect. 9	\$15,000 City & State	City
	Planning Assistance FY 1994-1995	\$80,000	\$64,000 UMTA Sect. 9	\$16,000 City & State	City

Abilene Urban Transportation Study, FY 1991  
TRANSPORTATION IMPROVEMENT PROGRAM LONG RANGE ELEMENT

HIGH PRIORITY PROJECTS  
 FOR FISCAL YEARS 1996 - 2010

<u>FACILITY</u>	<u>EXTENT OF WORK</u>	<u>CHARACTER OF WORK</u>	<u>TYPICAL SECTION</u>	<u>ESTIMATED COST</u>
SH 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
Hartford	At Little Elm Creek	Replace low water crossing with bridge	NA	\$1,000,000
Antilley Road	0.9 miles from Buffalo Gap Road (FM 89) to Elm Creek	Construct 64' curb and gutter section	A-66	\$925,000
S. 14th	1.1 miles from Sayles Blvd. to Treadaway Blvd. (Loop 243)	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.	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
Extension of FM 3308	2.0 miles from FM 2833 to FM 1082	Acquire R.O.W. and construct 24' surface	R-1	\$143,000

Abilene Urban Transportation Study, FY 1991  
TRANSPORTATION IMPROVEMENT PROGRAM LONG RANGE ELEMENT

HIGH PRIORITY PROJECTS  
FOR FISCAL YEARS 1996 - 2010

<u>FACILITY</u>	<u>EXTENT OF WORK</u>	<u>CHARACTER OF WORK</u>	<u>TYPICAL SECTION</u>	<u>ESTIMATED COST</u>
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
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

Abilene Urban Transportation Study, FY 1991  
TRANSPORTATION IMPROVEMENT PROGRAM LONG RANGE ELEMENT

MEDIUM PRIORITY PROJECTS  
 FOR FISCAL YEARS 1996 - 2010

FACILITY	EXTENT OF WORK	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
Loop 322	2.0 miles from SH 36 to IH 20	Add 2 main lanes for 4-lane divided	R-2	\$3,850,000
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
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
Grape	0.7 mile from Huckleberry Lane to Pine (Loop 243)	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



Abilene Urban Transportation Study, FY 1991  
TRANSPORTATION IMPROVEMENT PROGRAM LONG RANGE ELEMENT

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	\$197,000
N. 10th	At Little Elm Creek	Construct bridge	NA	\$1,000,000
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

Abilene Urban Transportation Study, FY 1991  
TRANSPORTATION IMPROVEMENT PROGRAM LONG RANGE ELEMENT

LOW PRIORITY PROJECTS  
 FOR FISCAL YEARS 1996 - 2010

FACILITY	EXTENT OF WORK	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
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
Impact Drive	0.7 miles from west city limits of Impact to Grape	Construct 40' curb and gutter section	A-48 (mod.)	\$503,000
Loop 355	2.25 miles from 0.1 miles E. of 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

Abilene Urban Transportation Study, FY 1991  
TRANSPORTATION IMPROVEMENT PROGRAM LONG RANGE ELEMENT

LOW PRIORITY PROJECTS  
FOR FISCAL YEARS 1996 - 2010

<u>FACILITY</u>	<u>EXTENT OF WORK</u>	<u>CHARACTER OF WORK</u>	<u>TYPICAL SECTION</u>	<u>ESTIMATED COST</u>
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