

RESOLUTION NO. 36-1987

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF ABILENE, TEXAS, APPROVING THE 1987-88 TRANSPORTATION IMPROVEMENT PROGRAM INCLUDING THE BIENNIAL, MULTI-YEAR AND LONG RANGE ELEMENTS.

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

WHEREAS, the U.S. Department of Transportation will not fund or participate in any transportation improvement unless they have been reviewed by the members of the Metropolitan Planning Organization and identified in the Transportation Improvement Program; and,

WHEREAS, the Transportation Improvement Program does not constitute any commitment or obligation on the part of the City of Abilene, the State of Texas or any of the member agencies of the Metropolitan Planning Organization to construct or implement any of the projects identified therein; now, therefore,

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

PART 1: That the 1987-88 Transportation Improvement Program including the Biennial, Multi-Year and Long Range Elements, having been previously reviewed by the members of the Metropolitan Planning Organization, is hereby approved; and,

RESOLUTION NO. 36-1987

PART 2: That staff is hereby authorized to submit said Transportation Improvement 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 9 day of July, 1987.

ATTEST:

Patricia Hancock
CITY SECRETARY

Dale Ferguson
MAYOR

APPROVED:

Harvey Conolly
CITY ATTORNEY

TRANSPORTATION IMPROVEMENT PROGRAM
BIENNIAL AND MULTI-YEAR ELEMENTS
SEPTEMBER 1987 - AUGUST 1992

PREPARED BY THE PLANNING DEPARTMENT OF THE CITY OF ABILENE

00106

TRANSPORTATION IMPROVEMENT PROGRAM
BIENNIAL ELEMENT
(September 1, 1987 to August 31, 1989)

PROJECT	CHARACTER OF WORK	PHASE	TERMINI	LENGTH OF PROJECT (Miles)	TOTAL ESTIMATED COST \$	FEDERAL FUNDS		LOCAL FUNDS		RECIPIENT
						AMOUNT	SOURCE	AMOUNT	SOURCE	
I.H. 20	Construct Turn-arounds	3	At S.H. 351	0.4	323,300	290,970	FHWA	32,330	State	State
U.S. 83	Construct Turn-arounds	3	At Ambler Ave. & N. 10th St.	0.6	796,100	597,075	FHWA	199,025	State	State
Oldham Lane (F.M. 1750)	Preliminary Engineering Reconstruction, curb and gutter, add shoulders and paving	1 3	From Loop 322 to South City Limit of Abilene	1.7	300,000	225,000	FHWA Urban System	3,750 25,000 50,000	State & City	State & City
Loop 322	Reconstruct Interchange and add 2 main lanes for 4-lane divided	3	From U.S. 83 to Maple Street	1.1	5,036,500	3,377,375	FHWA	1,259,125	State	State
I.H. 20	Preliminary Engineering Upgrade to Standards	1 3	West boundary of study area to east boundary	16.8	18,247	-	-	18,247	State	State
					575,000	517,500	FHWA Interstate	57,500	State	State
Old Anson Road	Bridge Replacement	3	At Elm Creek	NA	500,000	350,000	FHWA Bridge Replacement	150,000	City & State	City & State

1 - Preliminary Engineering 2 - R/W Acquisition 3 - Construction

TRANSPORTATION IMPROVEMENT PROGRAM
BIENNIAL ELEMENT
(September 1, 1986 to August 31, 1988)

PROJECT	CHARACTER OF WORK	PHASE	TERMINI	LENGTH OF PROJECT (Miles)	TOTAL ESTIMATED COST \$	FEDERAL FUNDS		LOCAL FUNDS		RECIPIENT
						AMOUNT	SOURCE	AMOUNT	SOURCE	
Old Anson Road	Widening to 66'	3	Ambler to Impact Drive	1.7	590,000	413,000	FHWA	177,000	City & State	City & State
Lowden Street	Preliminary Engineering	1	Bridge #B12719-1;		12,000	9,600	FHWA	2,400	City	City
	Construct new bridge	3	Between I.H. 20 & S.H. 351	0.02	122,000	97,600	Off-System Bridge Replacement	24,400	City	City
Nugent Road	Preliminary Engineering	1	Bridge #501-001; 0.5 Mile		8,200	6,560	FHWA	1,640	City	City
	Construct new bridge	3	South of Jones Co. Line	0.03	162,000	129,600	Off-System Bridge Replacement	32,400	City	City
Shoreline Dr.	Preliminary Engineering	1	Bridge #B24275-2; 0.4 Mile		5,800	4,640	FHWA	1,160	City	City
	Construct new bridge	3	South of Lytle Way	0.01	59,000	47,200	Off-System Bridge Replacement	11,800	City	City
Bacacita Farms Road	Preliminary Engineering	1	Bridge #126-001; 0.6 Mile		4,800	3,840	FHWA	960	Taylor County	Taylor County
	Construct new bridge	3	South of F.M. 707	0.01	95,000	76,000	Off-System Bridge Replacement	19,000	Taylor County	Taylor County

1 - Preliminary Engineering 2 - R/W Acquisition 3 - Construction

TRANSPORTATION IMPROVEMENT PROGRAM
BIENNIAL ELEMENT
(September 1, 1987 to August 31, 1989)

PROJECT	CHARACTER OF WORK	PHASE	TERMINI	LENGTH OF PROJECT (Miles)	TOTAL ESTIMATED COST \$	FEDERAL FUNDS		LOCAL FUNDS		RECIPIENT
						AMOUNT	SOURCE	AMOUNT	SOURCE	
Bus Replacement	Four-year phased replacement of 14 1981 Blue Bird buses	NA	NA	NA	1,950,000	1,560,000	UMTA Section 9	390,000	City	City
Transit Facility Upgrade	Upgrade shop lighting, replace heating & AC equipment and make related improvements, landscaping, cleaning equipment	NA	Abilene Transit System Facility @ 1189 South 2nd	NA	80,000	64,000	UMTA Section 9	16,000	City State	City
Transit Facility Upgrade	Repair bus parking area, make building improvements, purchase replacement equipment	NA	Abilene Transit System Facility @ 1189 South 2nd	NA	60,000	48,000	UMTA Section 9	12,000	City State	City
Transit Operations	Operating assistance FY 87-88	NA	NA	NA	868,000	434,000	UMTA Section 9	434,000	City	City
	Operating Assistance FY 88-89	NA	NA	NA	900,000	450,000	UMTA Section 9	450,000	City	City
Traffic Responsive Signal System	Install traffic responsive signal system for Buffalo Gap Road (FM 89) in the Winters Freeway (US 83/84) area	NA	NA	NA	250,000	---	---	250,000	City	City

TRANSPORTATION IMPROVEMENT PROGRAM
BIENNIAL ELEMENT
(September 1, 1987 to August 31, 1989)

PROJECT	CHARACTER OF WORK	PHASE	TERMINI	LENGTH OF PROJECT (Miles)	TOTAL ESTIMATED COST \$	FEDERAL FUNDS		LOCAL FUNDS		RECIPIENT
						AMOUNT	SOURCE	AMOUNT	SOURCE	
Rebecca Ln. Extension/ Bridge at Catclaw	Widen to a 64' Improved Street/Bridge at Catclaw Creek	1,2,3	Catclaw Drive to U.S. 277	2.5	2,040,000	-----	-----	2,040,000	Bonds	City
South-west Drive Extension	Continuation of 64' Paving Curb and Gutter	1,2,3	From bridge at Elm Creek to Rebecca Lane	1.2	525,000	-----	-----	525,000	Bonds	City
Peach Street	Reconstruction	1,2,3	U.S. 80 to S. 7th	4	125,000	-----	-----	125,000	Bonds	City
Transit Vehicle	Purchase 1 lift-equipped demand-response vehicle	NA	NA	NA	60,000	48,000	UMTA Section 9	12,000	City & State	City
U.S. 277	Grading, Structures, and Paving for two additional Lanes	1 2	From Texas Avenue to Dub Wright (FM 3438)	4.9	12,100 404,200	8,500 283,000	FHWA	3,650 121,300	State State	State State
Oldham Lane (F.M. 1750)	Preliminary Engineering Reconstruction, add shoulders and paving	1 3	From South City Limit of Abilene to S.H. 36	8.5	75,000 2,024,000	56,250 1,518,000	Federal Aid Secondary	18,750 506,000	State State	State State

00110

TRANSPORTATION IMPROVEMENT PROGRAM
 BIENNIAL ELEMENT
 (September 1, 1987 to August 31, 1989)

PROJECT	CHARACTER OF WORK	PHASE	TERMINI	LENGTH OF PROJECT (Miles)	TOTAL ESTIMATED COST \$	FEDERAL FUNDS		LOCAL FUNDS		RECIPIENT
						AMOUNT	SOURCE	AMOUNT	SOURCE	
Industrial	Widen to 64 feet	3	Loop 322 to F.M. 1750 (Oldham Lane)	.5	100,100	80,000	FHWA	20,100	City	City
Judge Ely Blvd. Relocation	Relocation of blvd. alignment	1 2 3	E.N. 16th to Ambler Blvd. (S.H. 351)	.7	1,250,000	-----	----	1,250,000	Private	City

1 - Preliminary Engineering 2 - R/W Acquisition 3 - Construction

TRANSPORTATION IMPROVEMENT PROGRAM
3 to 5 MULTI YEAR ELEMENT
(September 1, 1989 to August 31, 1992)

PROJECT	CHARACTER OF WORK	PHASE	TERMINI	LENGTH OF PROJECT (Miles)	TOTAL ESTIMATED COST \$	FEDERAL FUNDS		LOCAL FUNDS		RECIPIENT
						AMOUNT	SOURCE	AMOUNT	SOURCE	
Spur 312 Extension	Preliminary Engineering & Design of Major Extension	1	U.S. 80 (West) to I.H. 20	1.3	24,000	-	-	-	-	-
West Lake Road	Widening to 66'	3	Ambler to I.H. 20	1	420,000	294,280	FHWA Urban System	125,720	State & City	State & City
Loop 322	Add 2 Main Lanes for 4-lane divided	3	From Maple Street to S.H. 36	3.9	3,448,500	2,586,375	FHWA	862,125	State	State
U.S. 277	Grading, structures, and paving for two additional lanes	1 3	From Dub Wright (FM 3438) to FM 707	3.2	22,900 760,800	16,000 532,500	FHWA	6,850 288,200	State	State
U.S. 277	Construct grade separation	3	At FM 3438	0.1	650,000	455,000	FHWA		State	State
Oldham Lane (F.M. 1750)	Preliminary Engineering	1	E.S. 11th to Loop 322	1.8	54,000	40,500	FHWA	13,500	State	State
	Widening	3			1,068,200	801,150		267,050	State	State
E.N. 10th St.	Widen to 64 feet	3	Griffith Rd. to Loop 322	1.1	1,095,700	766,990	FHWA	328,710	City	City
1 - Preliminary Engineering										
	2 - R/W Acquisition									
	3 - Construction									

TRANSPORTATION IMPROVEMENT PROGRAM
3 to 5 MULTI YEAR ELEMENT
(September 1, 1989 to August 31, 1992)

PROJECT	CHARACTER OF WORK	PHASE	TERMINI	LENGTH OF PROJECT (Miles)	TOTAL ESTIMATED COST \$	FEDERAL FUNDS		LOCAL FUNDS		RECIPIENT
						AMOUNT	SOURCE	AMOUNT	SOURCE	
S.H. 351	Construct 2 Additional Lanes	3	From IH-20 to Callahan C.L.	4.7	2,176,000	1,632,000	FHWA	544,000	State	State
Transit Operations	Operating Assistance FY 89-90	NA	NA	NA	936,000	468,000	UMTA Section 9	468,000	City	City
	Operating Assistance FY 90-91	NA	NA	NA	974,000	487,000	UMTA Section 9	487,000	City	City
	Operating Assistance FY 91-92	NA	NA	NA	1,012,000	506,000	UMTA Section 9	506,000	City	City
Transit Shop Equipment	Portable lifts, fork-lifts, engine equipment, etc.	NA	Abilene Transit System Facility @ 1189 South 2nd	NA	65,000	52,000	UMTA Section 9	13,000	City & State	City
Transit Vehicle	Replacement of supervisory vehicle	NA	Abilene Transit System @ 1189 South 2nd	NA	13,000	10,400	UMTA Section 9	2,600	City & State	City
Transit Vehicle	Replacement of service vehicle	NA	Abilene Transit System @ 1189 South 2nd	NA	15,000	12,000	UMTA Section 9	3,000	City & State	City

1 - Preliminary Engineering 2 - R/W Acquisition 3 - Construction

ADDENDUM
 TRANSPORTATION IMPROVEMENT PROGRAM
 BIENNIAL ELEMENT
 (September 1, 1987 to August 31, 1989)

PROJECT	CHARACTER OF WORK	PHASE	TERMINI	LENGTH OF PROJECT (Miles)	TOTAL ESTIMATED COST \$	FEDERAL FUNDS		LOCAL FUNDS		RECIPIENT
						AMOUNT	SOURCE	AMOUNT	SOURCE	
Vans for elderly and handicapped	Acquisition of 4 eleven passenger vans by Abilene Mental Health Mental Retardation (MHMR)	NA	NA	NA	65,828	52,663	UMTA 16 b (2)	13,165	MHMR	MHMR

1 - Preliminary Engineering

2 - R/W Acquisition

3 - Construction

ABILENE URBAN TRANSPORTATION STUDY

LONG RANGE ELEMENT

1993-2008

June, 1987

LONG RANGE ELEMENT
RECOMMENDED LONG RANGE PROJECTS

HIGH PRIORITY

FACILITY	LIMIT	LENGTH (MILE)	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
FM 707	From US 83/84 to FM 1750	2.2	Reconstruct, add shoulders, widen culverts	R-1	\$ 592,000
FM 707	From US 277 to FM 89	4.4	Reconstruct and add shoulders	R-1	\$1,047,000
S. 14th St.	From Sayles Blvd. to Treadaway Blvd. (Loop 243)	1.1	Widening to 66 ft.	A-66	\$ 826,000
N. 10th St.	From Grape St. to Loop 243	1.1	Widening to 66 ft.	A-66	\$ 608,000
N. 1st St. and N. 2nd St.	From Walnut St. to Treadaway Blvd. (Loop 243)	0.3	One-way pair connector	A-28	\$ 380,000
N. 10th St.	From US 83 to Fulwiler Road	1.5	Acquire R.O.W. and construct 66 ft. curb & gutter section	A-66	\$1,457,000
N. 1st St.	From W. End of N. 1st St. to N. extension of Spur 312	0.5	Acquire R.O.W. and construct 66 ft. curb & gutter section	A-66	\$ 308,000
US 83/84	At Antilley Road	NA	Construct grade separation	NA	\$ 650,000
Antilley Road	From FM 89 to Elm Creek	0.9	Construct 66 ft. curb and gutter section	A-66	\$ 925,000
T & P RR	At Pioneer Dr., Shelton St., and Victoria St.	NA	Install rubberized railroad crossing	NA	\$ 225,000
Corsicana Ave.	From Andy St. to Hartford St.	0.3	Acquire R.O.W. and construct middle 26 ft. of future 40 ft. street	--	\$ 300,000

HIGH PRIORITY

FACILITY	LIMIT	LENGTH (MILE)	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
S. 7th St.	From US 83/277 to Pioneer Dr.	0.4	Widening to 66 ft.	A-66	\$ 271,000
FM 707	From Tye to US 277	6.2	Reconstruct, add shoulders and bridges	R-1	\$ 946,000
Loop 322	From SH 36 to IH 20	2.0	Add 2 main lanes for 4-lane divided	R-2	\$1,772,000
Bikeway Stage 2	Various Locations	40.9	Asphaltic concrete paving, signs, and drainage improvements	---	\$ 168,755

LONG RANGE ELEMENT
RECOMMENDED LONG RANGE PROJECTS

INTERMEDIATE PRIORITY

FACILITY	LIMIT	LENGTH (MILE)	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
FM 2833	From SH 351 to FM 1082	9.6	Reconstruction, grading, structures, and surfacing	R-1 (mod)	\$1,500,000
S. 27th St.	From Abilene and Southern RR to Maple St.	0.8	Widening to 66 ft.	A-66	\$ 186,000
Lytle Way	From Play St. to Loop 322	0.4	Construct 66 ft. curb and gutter section, acquire R.O.W.	A-66	\$ 476,000
N. 1st St. and N. 2nd St.	From Beech St. to Mulberry St.	0.2	One-way pair connector	A-28	\$ 350,000
Grape St.	From Huckleberry Lane to Pine St. (Loop 243)	0.7	Construct 40 ft. curb and gutter section	A-48	\$ 250,000
Industrial Blvd.	From Treadaway (Loop 243) to Buffalo Gap Rd. (FM 89)	0.8	Widen to 66 ft.	A-66	\$ 500,000
S. 27th St.	At Lytle Creek	---	Replace bridge over Lytle Creek	---	\$ 150,000
Maple St.	From S. 11th St. to S. 27th St.	1.6	Widening to 66 ft.	A-66	\$ 657,000
Maple St.	From S. 27th to Loop 322	1.8	Construct 66 ft. curb and gutter section	A-66	\$ 810,000
Industrial Blvd.	From 0.1 mile E. of Treadaway to Loop 322	1.5	Construct 66 ft. curb and gutter section	A-66	810,000

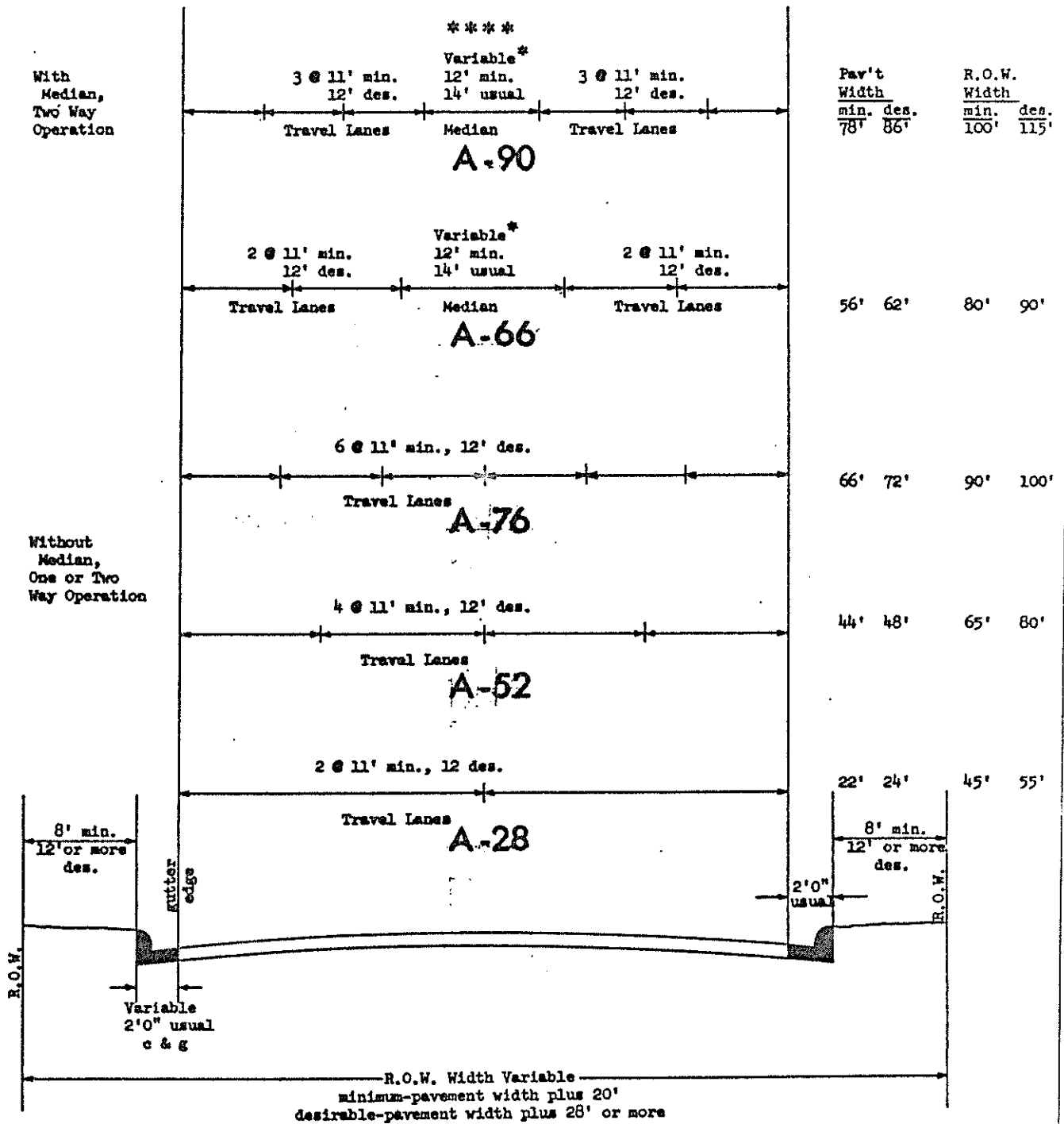
LONG RANGE ELEMENT
RECOMMENDED LONG RANGE PROJECTS

LOW PRIORITY

FACILITY	LIMIT	LENGTH (MILE)	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
Griffith Road	From EN 10th St. N. to IH 20	1.2	R.O.W. acquisition and paving to 40 ft.	A-48 (mod.)	\$ 535,000
Northwest Dr.	From Shirley Rd. to FM 2404	1.8	Acquire R.O.W. and construct curb and gutter section	A-52	\$1,120,000
Shirley Rd.	From IH 20, North 2.65 miles	2.7	Acquire R.O.W. and construct curb and gutter section	A-52	\$1,728,000
Hayter Rd.	From IH 20, North 2.84 miles	2.8	Acquire R.O.W. and construct curb and gutter section	A-52	\$1,796,000
Un-named Road (2 mi. N of IH 20)	From Hayter Rd. to FM 2404	1.5	Acquire R.O.W. and construct curb and gutter section	A-52	\$ 926,000
Butternut Street	From S. 14th St. to S. 20th St.	0.5	Widening to 66 ft.	A-66	\$ 343,000
Impact Dr.	From W. city limits of Impact to Grape St.	0.7	Construct 40 ft. curb and gutter section	A-48 (mod.)	\$ 503,000
S. 27th S.	From Maple St. to FM 1750	1.1	Widening to 66 ft.	A-66	\$ 495,000
S. 27th St.	From FM 1750 to Loop 322	0.4	R.O.W. acquisition and paving to 52 ft.	A-52	\$ 738,000
FM 2404	From US 83 to 2.4 miles NW	2.4	Widening to 66 ft.	A-66	\$1,538,000
ambler Ave.	From IH 20 to Winters Freeway (US 83-277)	0.7	Acquire R.O.W. and construct 66 ft. curb and gutter section	A-66	\$ 740,000
SH 36	From 1.2 Mi. S. of FM 18 to Callahan County Line	6.2	Acquire R.O.W. and construct two additional lanes (4-lane divided)	R-2	\$3,372,000

LOW PRIORITY

FACILITY	LIMIT	LENGTH (MILE)	CHARACTER OF WORK	TYPICAL SECTION	ESTIMATED COST
Loop 355	From 0.2 Mi. E. of Loop 322 to IH 20	1.6	Construct 66' curb and gutter section	A-66	\$1,098,000
FM 707	From FM 1750 to SH 36	3.5	Acquire R.O.W. and construct 2-lane highway	R-1	\$ 845,000
FM 707	From SH 36 to IH 20	5.5	Acquire R.O.W. and construct 2-lane highway	R-1	\$1,325,000
Un-named Rd. (Northwest Drive)	From Hayter Rd. to Shirley Rd.	1.0	Acquire R.O.W. and construct curb and gutter section	A-52	\$ 197,000
Mockingbird	From IH 20 to Vogel Ave.	0.6	Acquire R.O.W. and construct 40 ft. curb and gutter section	A-48 (mod.)	\$ 396,000
Extension of FM 3308	From FM 2833 to FM 1082	2.0	R.O.W. acquisition and paving (24 ft. surface; no shlds.)	R-1	\$ 143,000
Elmdale Rd.	From IH 20 to FM 18	0.6	Construct 66 ft. curb and gutter	A-66	\$ 189,000
Loop 322	From IH 20 to Belt- way East	2.0	R.O.W. acquisition and surfacing (24 ft. sur- face; 10 ft. and 6 ft. shlds.)	R-1 (mod)	\$ 592,000
Loop 322	From Beltway East to S.H. 351	1.0	R.O.W. acquisition and surfacing (24 ft. sur- face; 10 ft. and 6 ft. shlds.)	R-1 (mod.)	\$ 296,000
Judge Ely Blvd.	From IH 20 to FM 3308	1.9	Acquire R.O.W. and construct 64 ft. curb and gutter	R-1	\$ 136,000
IH 20	At Judge Ely Blvd.	NA	Construct grade sep- aration	NA	\$ 600,000
Judge Ely Extension at Cedar Creek	Judge Ely Extension at Cedar Creek	NA	Bridge	---	\$ 300,000

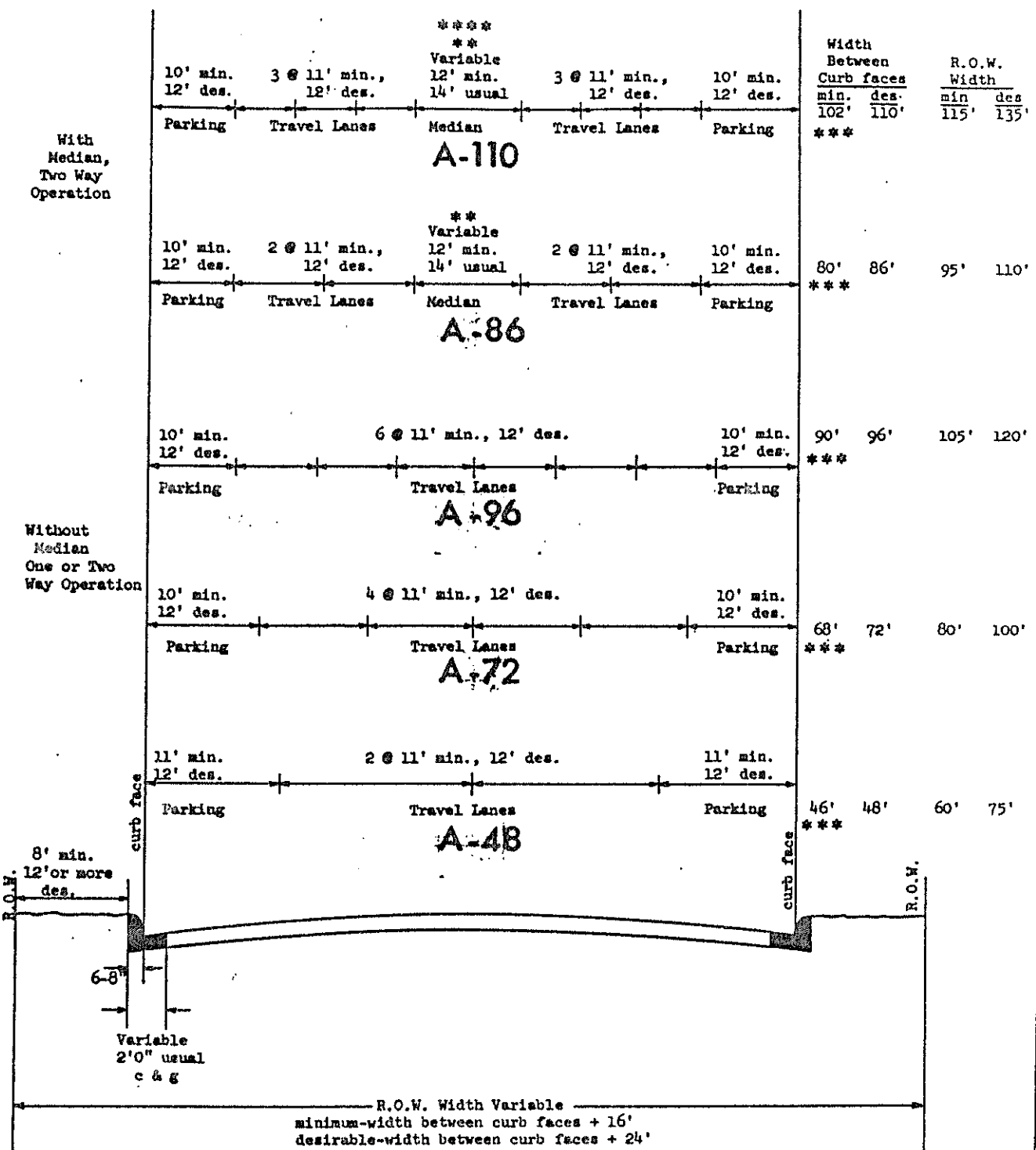


STANDARD CURBED CROSS SECTIONS - URBAN STREETS WITHOUT PARKING (Arterial, Collector, and Local Streets)

* Median width of 11' may be used for streets with maximum legal speed of 30 mph with two way left turn lane operation.

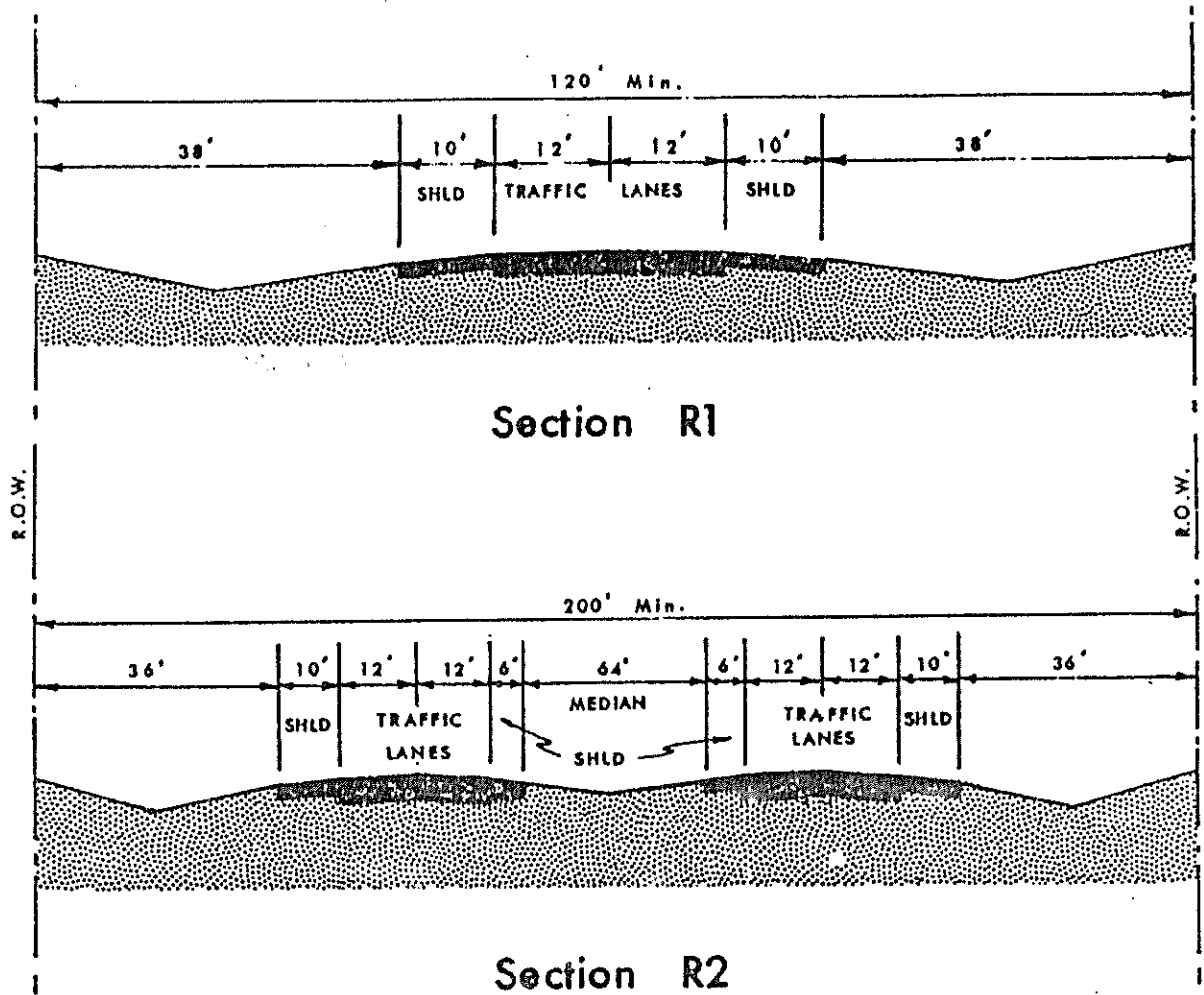
*** For six lane facilities with medians, refuge area for pedestrians may be required in the median depending on signalization phasing. Where required, a medial divider of six (6) feet in width is necessary for pedestrian storage, resulting in a sixteen (16) feet minimum and eighteen (18) feet desirable median width.

Note: In industrial areas, minimum lane width 12'.



STANDARD CURBED CROSS SECTIONS - URBAN ARTERIAL STREETS WITH PARKING

- Note:** In industrial areas, minimum lane width 12'.
- ** Two way left turn medians 11' wide may be used where maximum legal speed is 30 mph.
 - *** Where minimum (11') travel lane widths are used, parking lanes twelve (12) feet in width should be provided.
 - **** For six lane facilities with medians, refuge area for pedestrians may be required in the median depending on signalization phasing. Where required, a medial divider of six (6) feet in width is necessary for pedestrian storage, resulting in a sixteen (16) feet minimum and eighteen (18) feet desirable median width.



TYPICAL RURAL SECTIONS