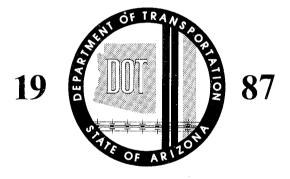
STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION URBAN HIGHWAY DETAILS



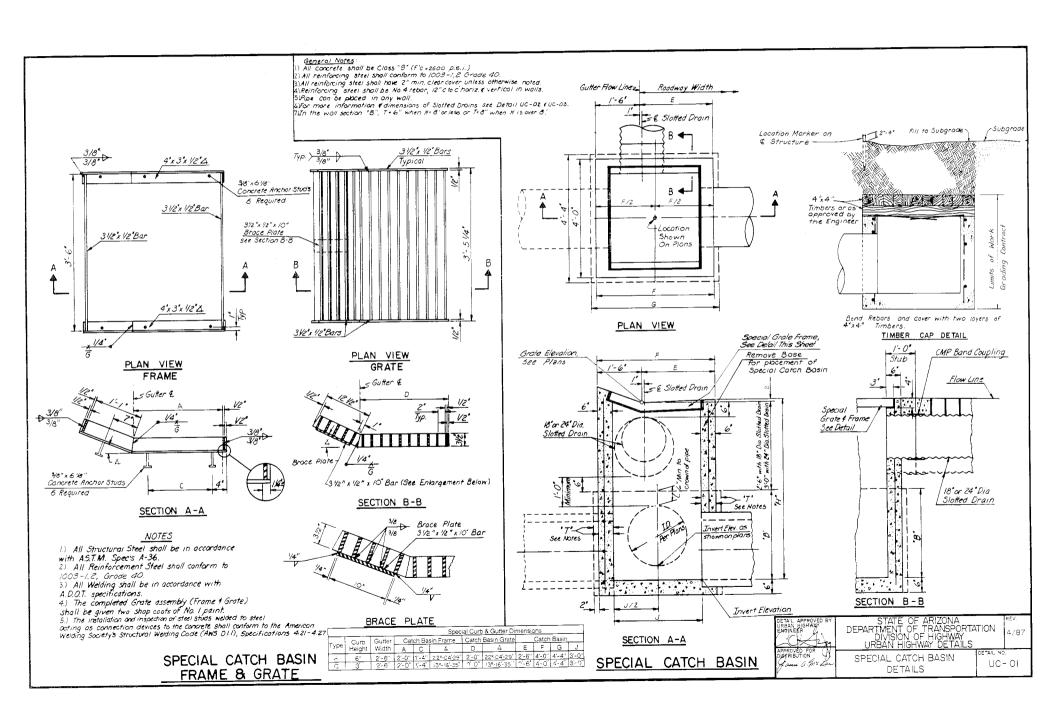
DIVISION OF HIGHWAYS

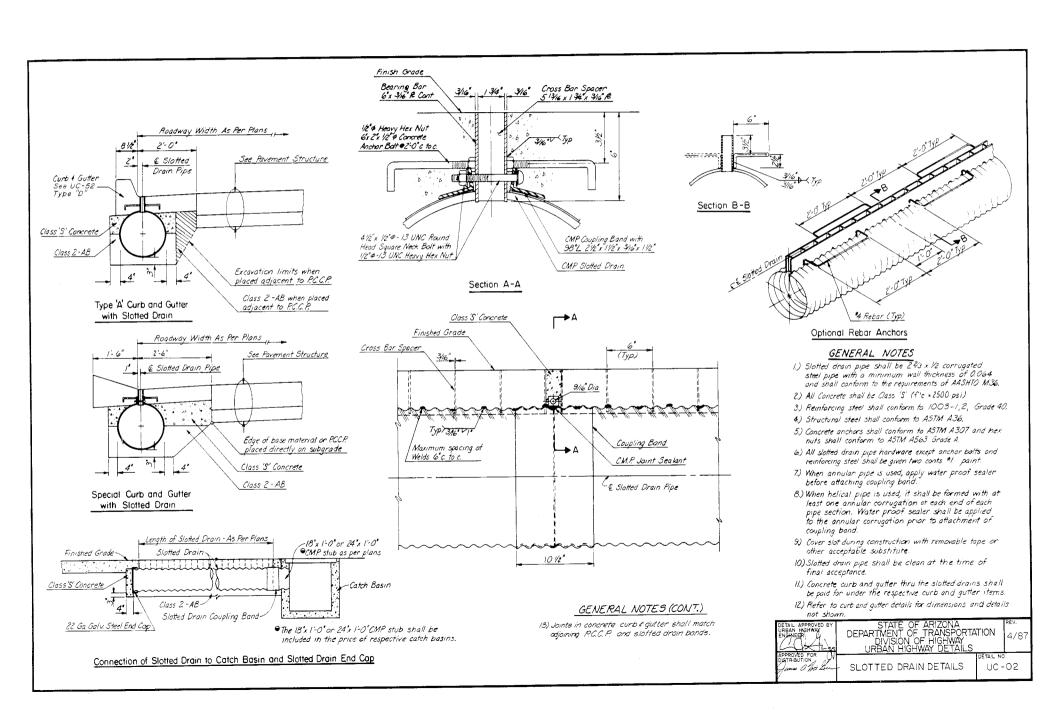
URBAN HIGHWAY SECTION

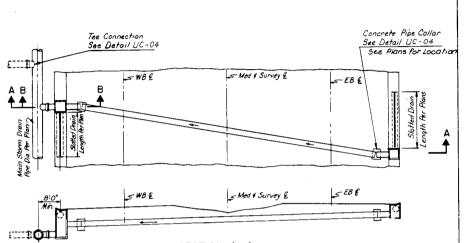
STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION URBAN HIGHWAY DETAILS

EDUCED SIZE DRAWINGS

REVISION DATE	DETAIL NO	TITLE	REVISION DATE	DETAIL NO	TITLE	REVISION DATE	DETAIL NO	TITLE
		Special Catch Basin Details		UC-45	PCCP Joint Details		UC-86	Joint Restraint with Tie Rods
4/87	UC-01	Slotted Drain Details	4/87	UC-46	Ramp Curb and Gutter Layout			Sheet 2 of 2
4/87	UC-02 UC-03	Slotted Drain Details Slotted Drain Installation Details	4/87	UC-47	Barrier Details at Piers		UC-87	Concrete Water Meter Box
	UC-03 UC-04	Storm Drain Connection Details	4/6/	UC-48	Load Transfer Dowel Details		UC-88	Steel Cover for Water Meter Box
4/87	UC-04	Manhole Riser Details		UC-49	Guard Rail Assembly with Curb	4.107	***	Water Meter Box Waterline-Cut and Plug
4/87	UC-06	Storm Drain Outlet Details	4/87	UC-50	Concrete Bus Bay	4/87	UC-89	12" Dia. Main and Smaller
4/87	UC-07	Special Catch Basin with Half Barrier	4/0/	UC-51	Sidewalk Ramp	4/87	UC-90	Hydrant Installation
4/87	UC-08	Pipe Collar Details	4/87	UC-52	Curb & Gutter Details	4/0/	0,0-90	Trydrant Instantation
7/0/	00 00		1,7 0				UB-01	Half Barrier Transition
	UC-20	Backfill-Pavement and		UC-60	Sanitary Sewer Encasement	4/87	UB-02	Junction Box and Barrier Detail
		Surface Treatment		UC-61	Pipe Support Across Trenches	1, 0,	02 02	Sheet 1 of 2
4/87	UC-21	C12.20 Fence Modified			Sheet 1 of 3	4/87	UB-02	Junction Box and Barrier Detail
4/87	UC-22	Crossroad Median Paving and		UC-61	Pipe Support Across Trenches	.,, .,	0	Sheet 2 of 2
•		Irrigation Sleeve Details			Sheet 2 of 3		UB-03	Temporary Concrete Barrier
	UC-23	Frame and Cover with		UC-61	Alternate to Pipe Support		UB-04	Anchor Slab Details
		Grade Adjustment			Sheet 3 of 3 Sewer Manhole and		UB-05	Curb Fence Details
	UC-24	Chain Link Cable Barrier		UC-62	Cover Frame Adjustment			T () ()
		Sheet 1 of 4		****	24" and 30" Manhole			Regulatory Signs
	UC-24	Chain Link Cable Barrier		UC-63	Frame and Cover		USM-02	Regulatory Signs Cross Streets Only
		Sheet 2 of 4 Chain Link Cable Barrier		UC-64	Manhole Steps		11034.02	Regulatory Signs
	UC-24	Sheet 3 of 4	÷ 107	UC-65	Pre-Cast Concrete			Regulatory Signs
	***	Chain Link Cable Barrier	4/87	00-03	Sewer Manhole			Regulatory Signs for
	UC-24	Sheet 4 of 4	4/87	UC-66	Stub Out and Plug		02141-02	Overhead Structures
	UC-25	Barricades	4/0/	0.00	5,45 04 4114 4 5 5			Overhead Structures
	00-23	Barricades		UC-80	Thrust Blocks for	4/87	USM-21	Warning Signs
4/87	UC-40	Curb and Gutter		000	Water Lines	4/0/		Warning Signs
4/0/	00-40	Transition Type "A" & "B"		UC-81	Blocking for Water Valves		0	
	UC-41	Barrier Transition - Tangent			Gate and Butterfly		USM-61	U.S. & State Route Shields For
	00	Sheet 1 of 2		UC-82				Independent & Joint Mounting
	UC-41	Barrier Transition - Tangent			Vertical Bends		USM-62	U.S. & State Route Shield
	-	Sheet 2 of 2		UC-83				Guide Sign Mounting
	UC-42	Barrier Transition - Curve			Water Mains			Directional Signs For Marker Signs
4/87	UC-43	Mainline Construction Joints	4/87	UC-84			USM-64	Directional Signs for
,, .		Sheet 1 of 2			Sheet 1 of 3			Interstate Marker Assemblies
4/87	UC-43	Ramp Construction Joints	4/87	UC-84	Valve Box Installation Sheet 2 of 3		USM-65	Arrow & Legend Details for
'		Sheet 2 of 2		***			*****	Crossroad Signing
	UC-44	Mainline Construction Joints	4/87	ŲC-84	Sheet 3 of 3	4/87		Interstate Route and Shield Details State Route Shield for Independent
		with Curb and Gutter		UC-85		4/87	USM-67	and Joint Mounting
		Sheet 1 of 2		00-03	Installation			and Joint Mounting
4/87	UC-44	Ramp Construction Joints		UC-86				
		with Curb and Gutter		0.0-00	Sheet 1 of 2			
		Sheet 2 of 2						

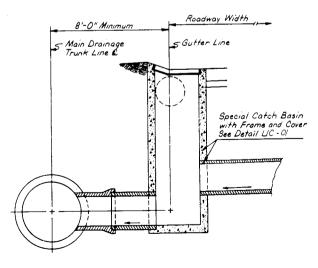




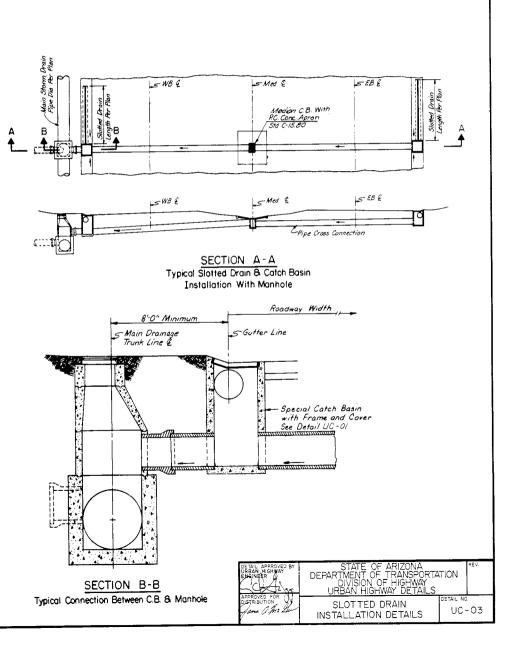


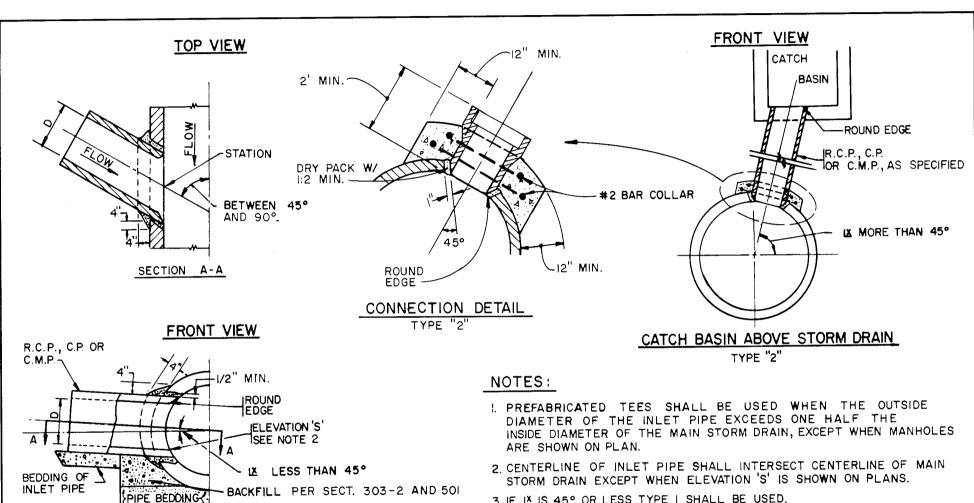
SECTION A - A

Typical Slotted Drain & Catch Basin
Installation Without Manhole



SECTION B-B
Typical Connection Between C.B. 8. Main Storm Drain



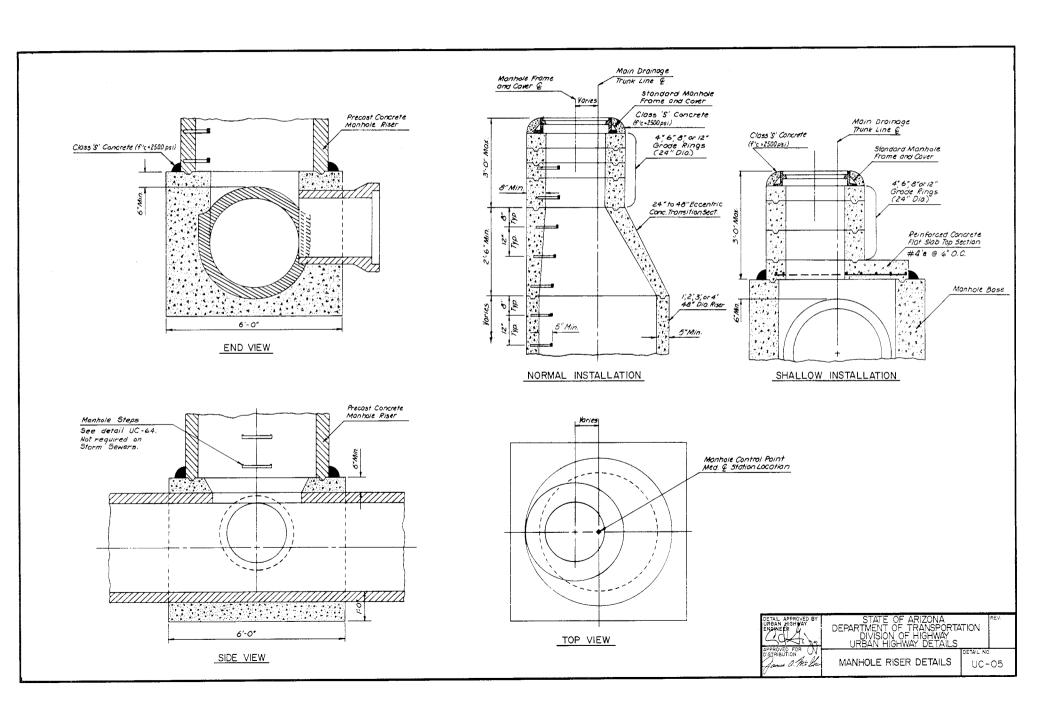


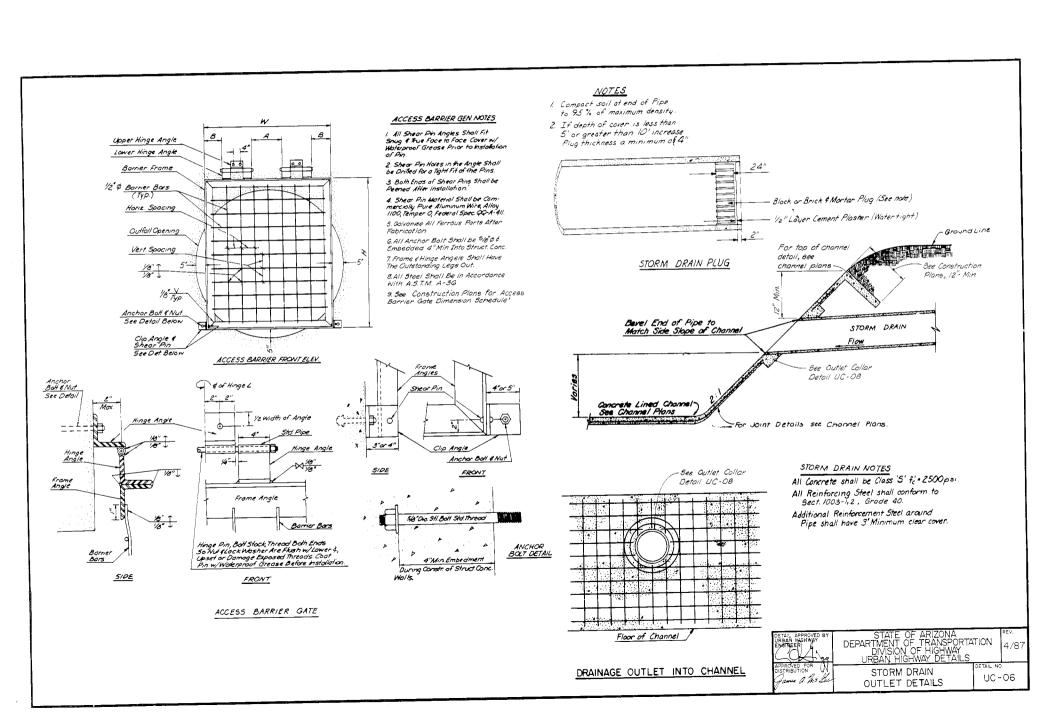
UNDISTURBED EARTH

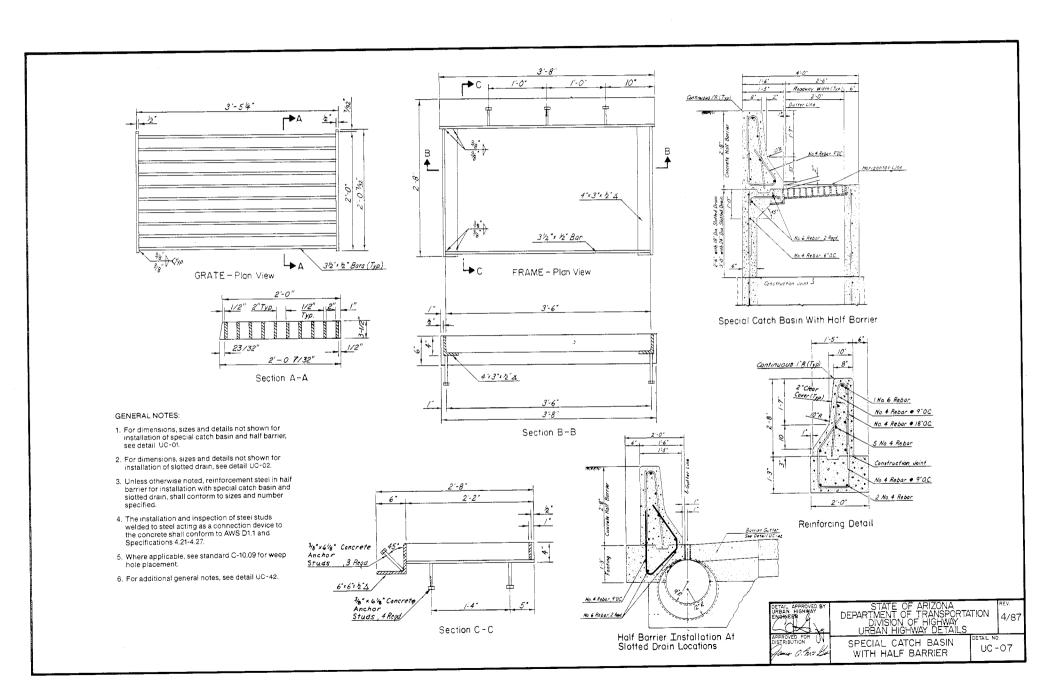
SIDE INLET

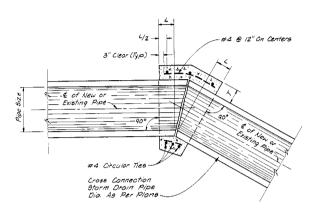
- 3. IF LX IS 45° OR LESS TYPE I SHALL BE USED.
- 4. ALL CONCRETE SHALL BE CLASS 'S' (fc = 2500 p.s.i.)
- 5. ALL REINFORCING STEEL SHALL CONFORM TO 1003-1, 2, GRADE 40.
- 6 REINFORCING SHALL HAVE 2" MIN. COVER.

DETAIL APPROVED BY	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	TION	4/87
APPROVED FOR DISTRIBUTION	STORM DRAIN CONNECTION DETAILS	UC ·	

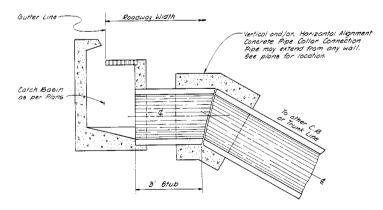




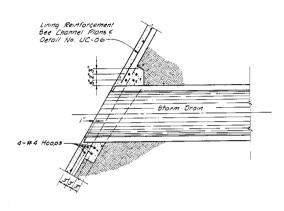




Concrete Pipe Collar



Typical Lateral Connections To Cotch Boeins With Concrete Collors



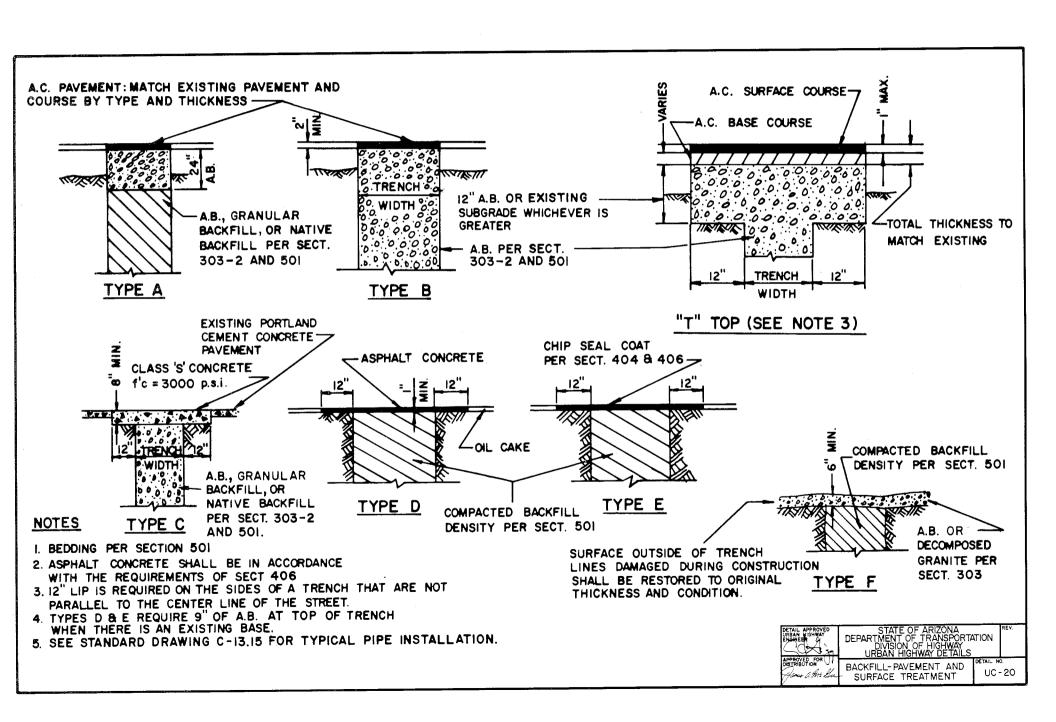
Outlet Collar Detail

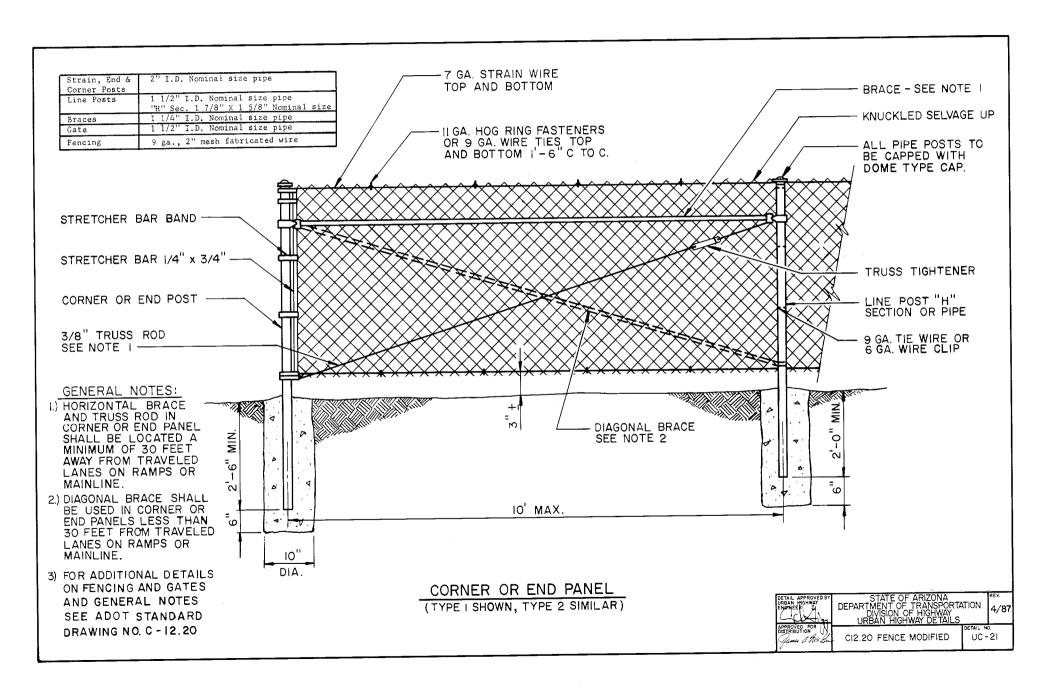
GENERAL NOTES:

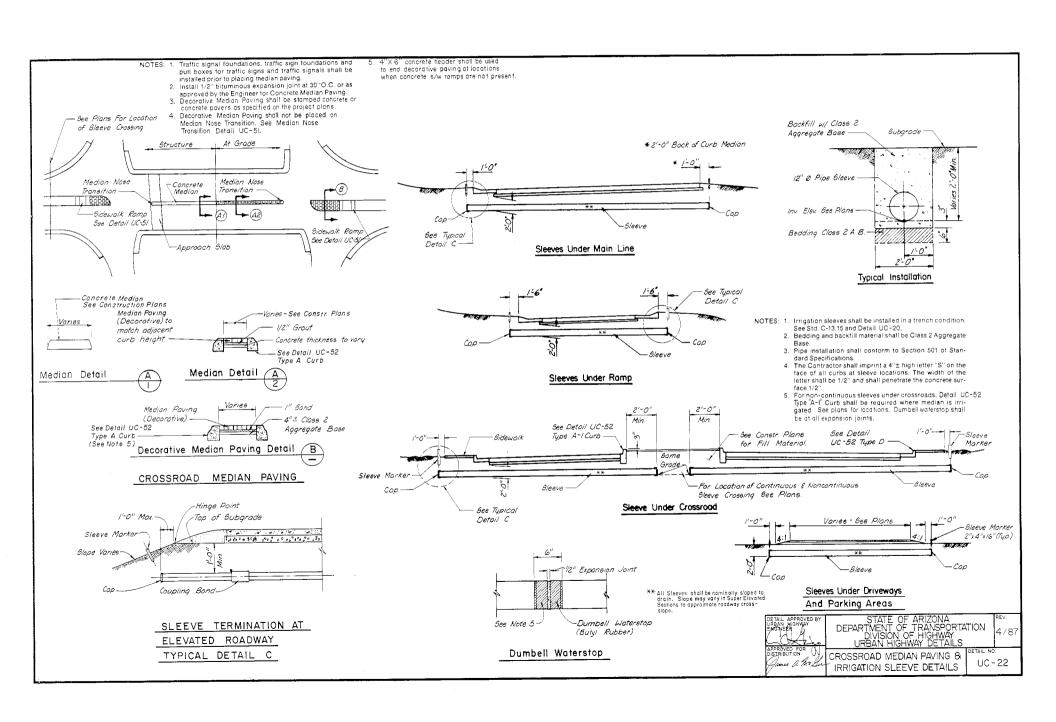
- I. All concrete shall be Class '6' (f'c = 2500 psi)
- 2 All Reinforcing Steel shall conform to 1003-1,2, Grade 40.
- 3. All Reinforcing Steel shall have 2" minimum clear cover.
- 4. A Concrete Collar shall be required where pipes of different diameters or moterials are joined ar where the design change in oligiment or grade exceeds that allowed for a standard joint.
- 5 When pipes of different diometers are joined with a Concrete collar, "L" \$ "T" shall be those of the larger diometer.
- 6. The diameter of the Circular Ties shall be the outside diameter of pipe + T.
- 7. Pipe ends to be trimed such that the maximum distance between pipes of any point is 2".

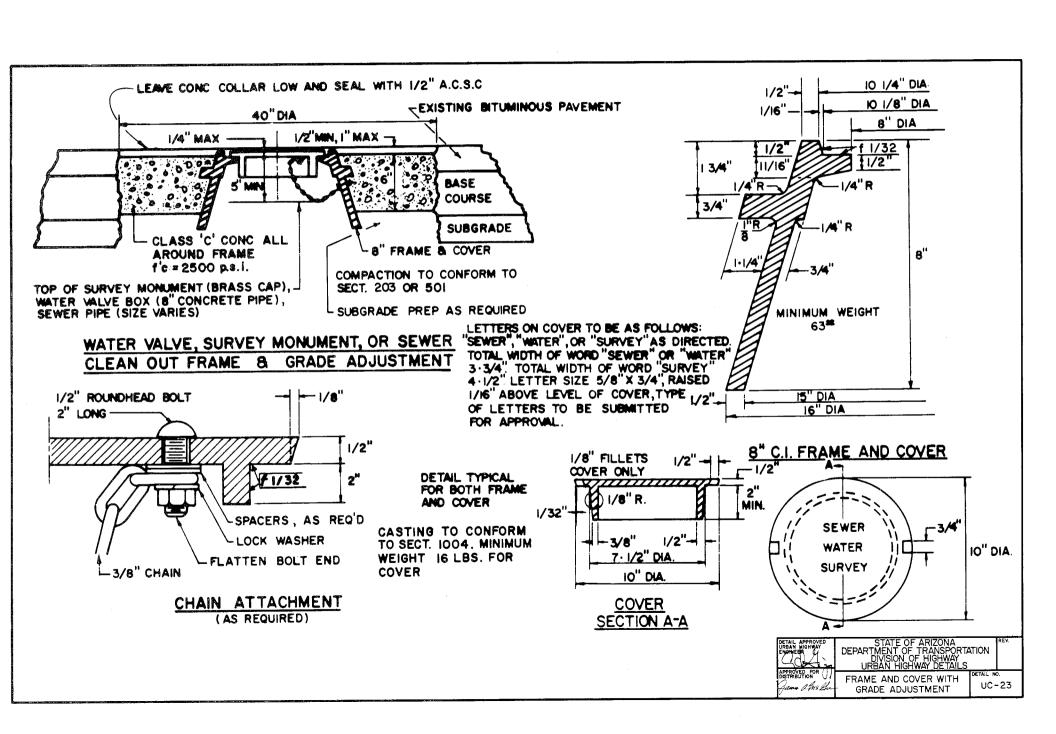
PIPE	COLLAR	? TABLE	
Pipe Size	۷	T	#4 Ties
/2"	1.0'	4"	3_
18"	1.0	5"	3
24"	1.0'	6"	3
30"	/.5'	8"	3
36"	1.5'	8"	3
42"	1.75'	10"	4
48"	1.75'	/0"	4
52"	1.75'	10"	4
60"	1.75	//"	4
66"	2.00'	//"	5
72"	2.00'	14"	5
78"	2.00'	14"	5
84"	2.25'	16"	5
96"	2.25'	16"	5.

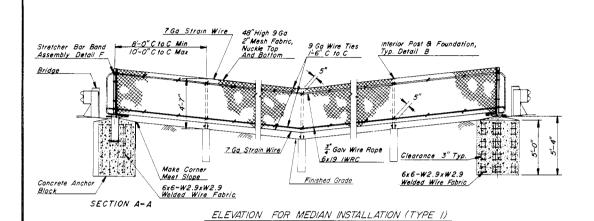
DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STÁTE OF ARIZÓNA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	TION 4/8
APPROVED FOR OUSTRIBUTION OF James a, Mr. Esc.	PIPE COLLAR DETAILS	UC-08

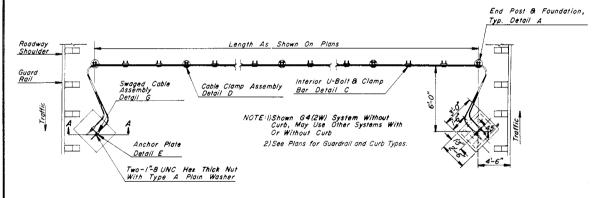










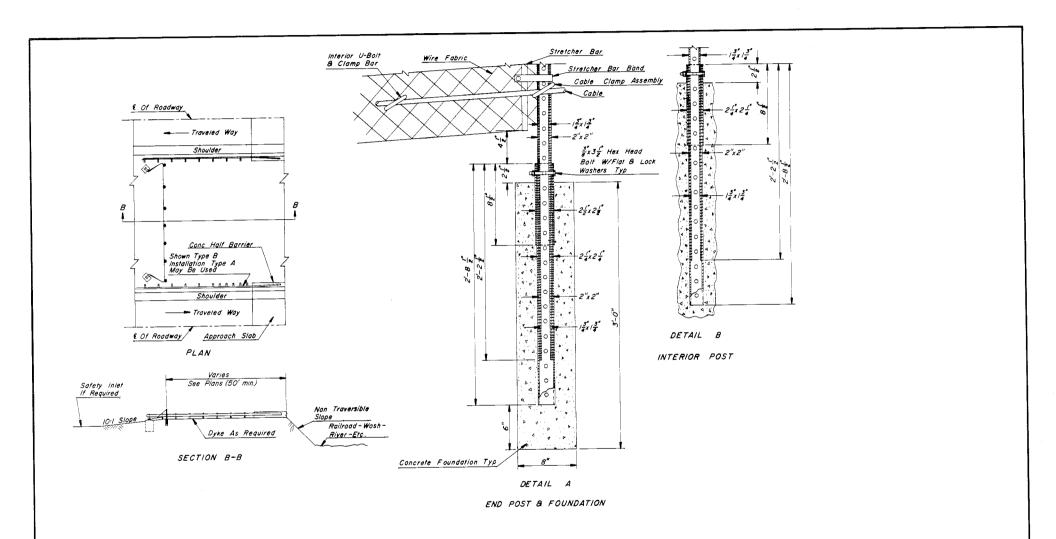


PLAN FOR MEDIAN INSTALLATION (TYPE 1)

GENERAL NOTES

- I. All concrete shall be class S, 4000 psi.
 2. All bolts, nuts, washers and fittings shall meet the dimensional requirements of the American National Standards Institute, unless otherwise designated and galvanized in accordance with ASTM A153.
- 3. All structural steel shapes and products fabricated from such shapes, bors, strips, etc., shall meet the dimensional requirements of the American Institute of Steel Construction, shall conform to the requirements of ASTM A36, and shall be golvanized in accordance with the requirements of ASTM A123.
- 4. Galvanized swaged fitting and U-bolt shall conform to ASTM A449.
- 5. The \$\frac{3}{2} galvanized wire rope shall conform to AASHTO M30 Class B, Type II.
- 6. The wire fabric, ties, bands, stretcher bars, and other fittings and hardware shall conform to AASHTO MIBI.
- 7. The wire fobric fence shall follow the contour of the finished grade.
- 8. The excavation for the concrete anchor blocks shall be to neat lines, Max excess is $3'' \stackrel{1}{\sim} 1$.
- 9. Perforated posts shall be squore tube formed from 0.105" U.S.S. gauge A.S.T.M. A366 cold rolled corbon steel. The square tubes shall be welded directly in the corner by high frequency resistance welding or equal. The posts to be externally scarfed to agree with standard corner radii of \$\frac{3}{25} \frac{1}{16}\$.
- 10, Perforated posts shall be galvanized to conform to the requirements of A.S.T.M. A525. Coating designation G-90.
- II. The cables shall have enough tension to prevent sagging.
- 12. Height of bottom cable shall not exceed 12" above ground.
- 13. Two Interior U-Bolts & Clamps to be spaced at $\frac{i}{3}$ of the distance between posts.
- 14. See plans for locations.
- 15. See detail UC -21 and C-12.20 for 72" fence details.

CETALL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY LIBBAN HIGHWAY DETAILS	TION	REV-
APPROVED FOR NO DISTRIBUTION N	L CHAIN LINK CABLE BARRIER I	UC -	



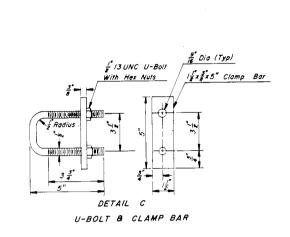
DETAIL APPROVED BY URBAN HIGHWAY DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY DETAILS

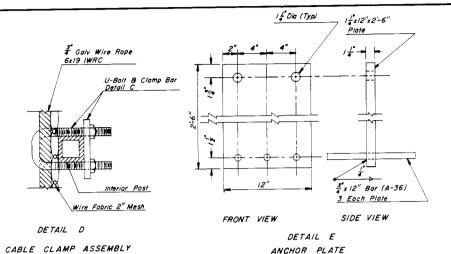
APPROVED FOR URBAN HIGHWAY DETAILS

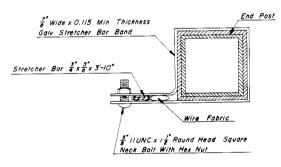
CHAIN LINK CABLE BARRIER

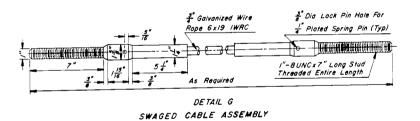
OCTAL NO.

UC - 24

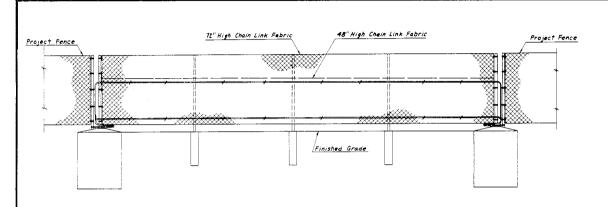




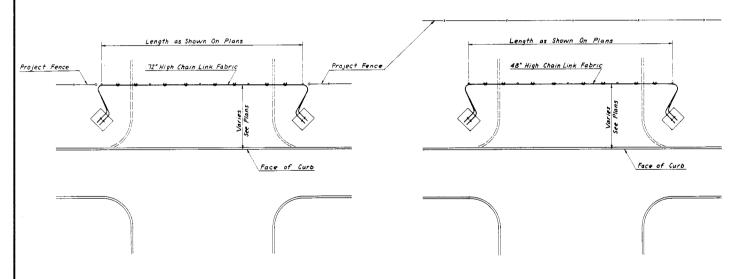




DETAIL F STRETCHER BAR BAND ASSEMBLY



ELEVATION FOR LOCAL STREET T INTERSECTION INSTALLATION (TYPE 2)

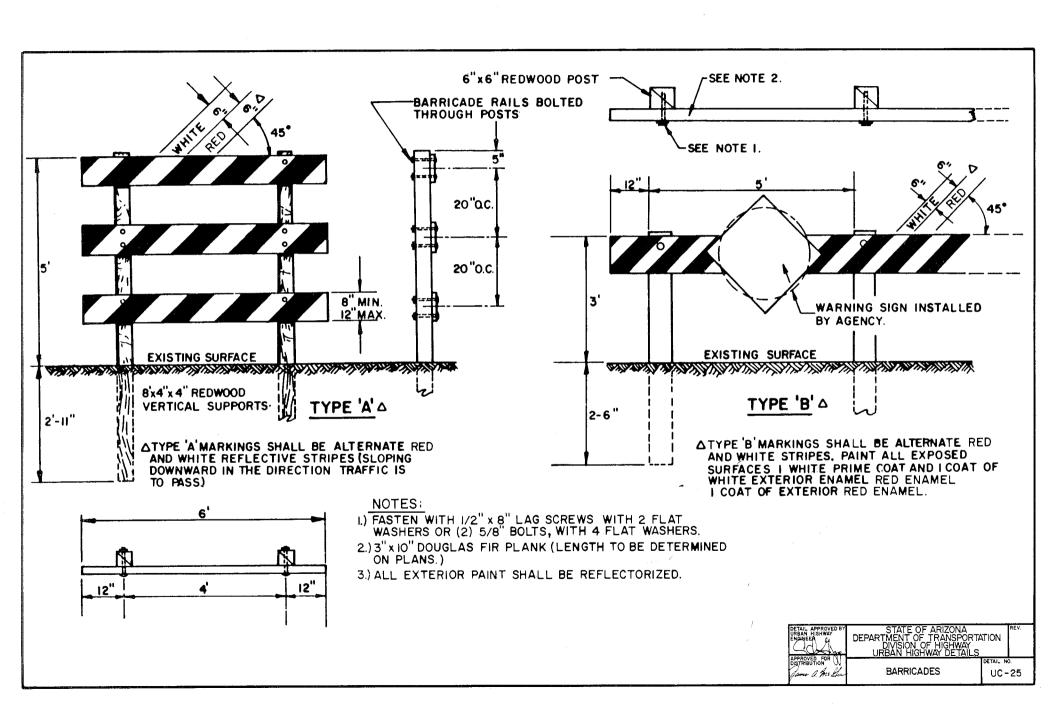


FOR 72" HIGH FABRIC

FOR 48" HIGH FABRIC

PLANS FOR LOCAL STREET T INTERSECTION INSTALLATION (TYPE 2)

DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	TION	REV.
SISTRIBUTION (N James a. M. Lo	CHAIN LINK CABLE BARRIER Sheet 4 of 4	UC -	

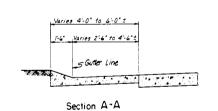


Roadway Width -Gutter

PERSPECTIVE VIEW

GENERAL NOTES:

- (f'c = 2500 psi).
- All gutter flow lines shall be troveled to on occurate grade for a width of 9°. The remainder of curb and gutter shall be textured longitudinally to a light broom finish.
- 3.) For Curb and Gutter with slotted drain, see Slotted Drain Details. UC-OI and UC-O2
- 4.) For additional general notes and dimensions. See Detail UC-52



50'l Taper (Entrance Ramp) 4º (Exit Romp) Courter Line See Detail UC-52 Type Bor C Curb and Gutter Entrance Ramp-100

TYPE 'A' CURB & GUTTER TRANSITION - AT RAMP TAPERS

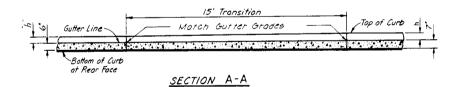
Plan View

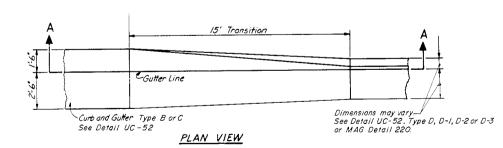
Exit Romp- 28.6' *

* Dimension may vary where exit occurs an curves, see plans.

Gistler Line

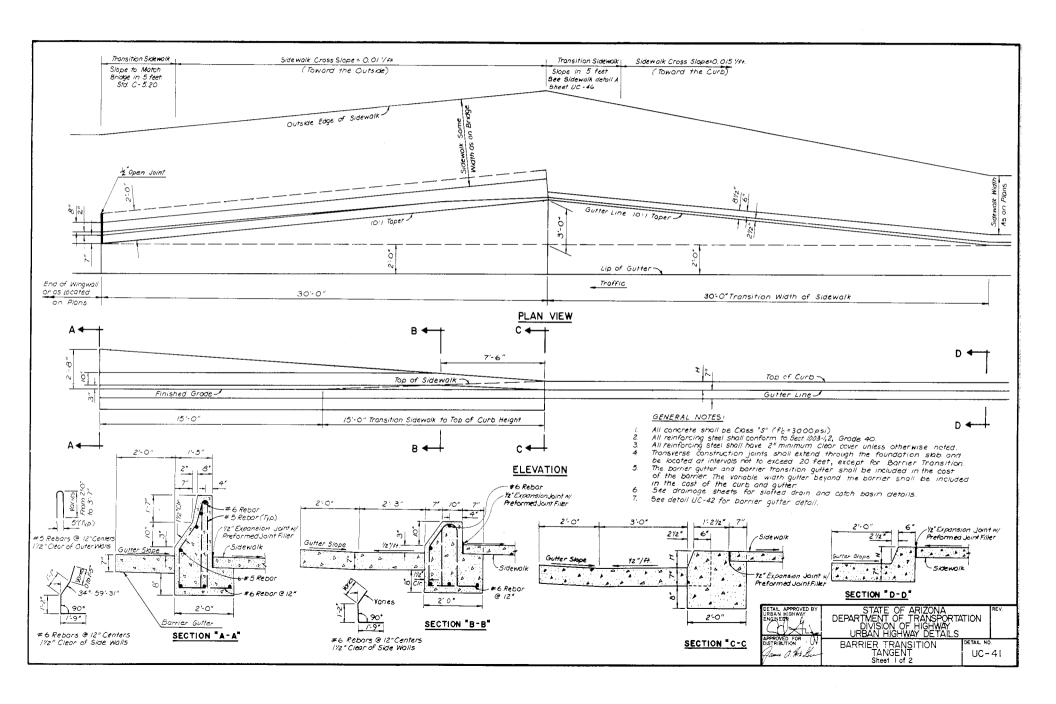
LSee Detail UC-52 Type B or C Curb and Gutter

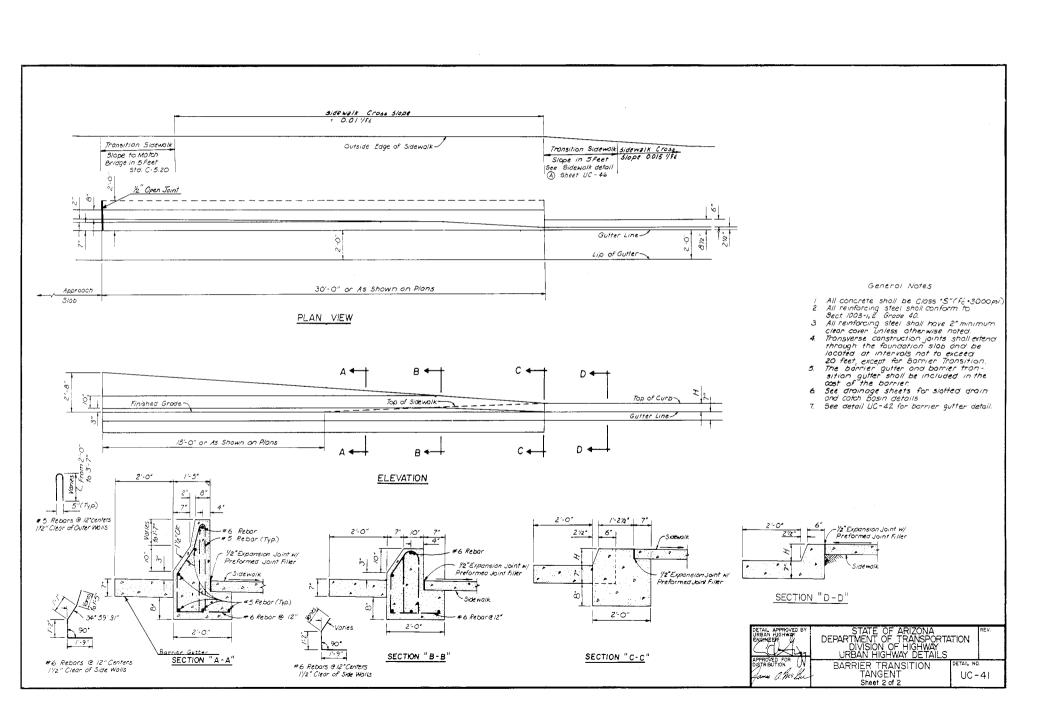


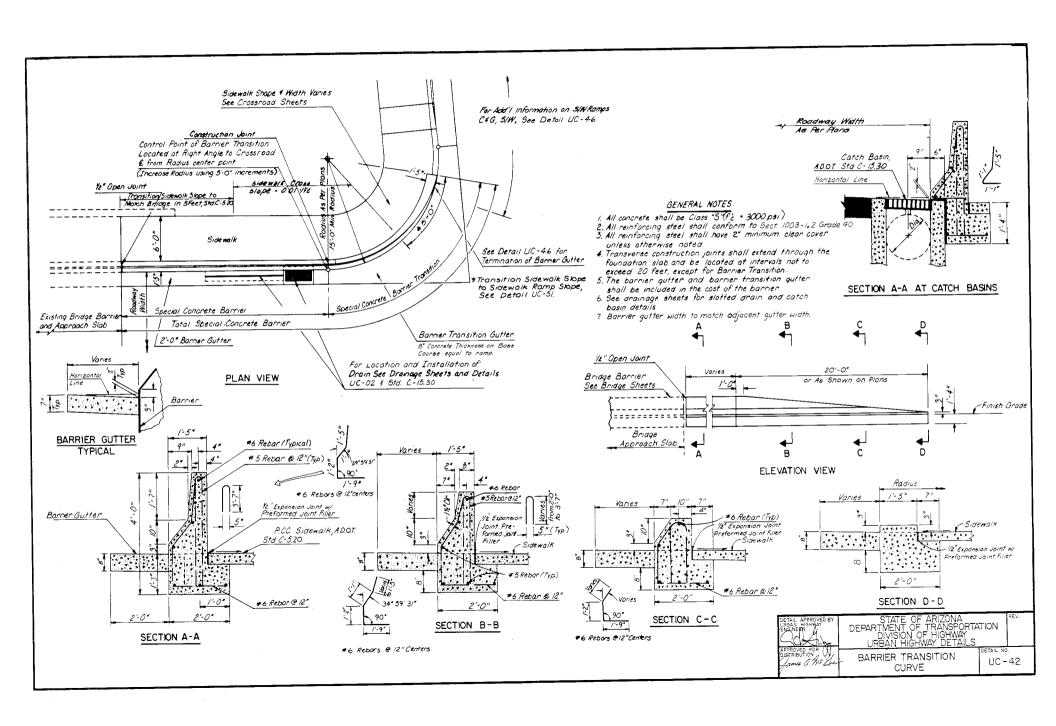


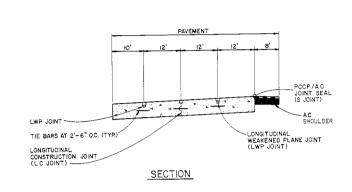
TYPE B-CURB AND GUTTER TRANSITION

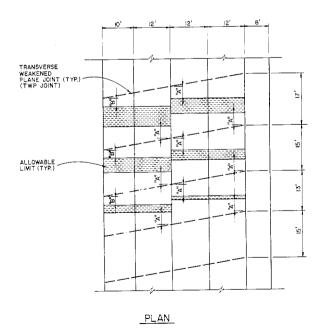
DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	TION	4/87
DISTRIBUTION GV	CURB AND GUTTER TRANSITION TYPE - "A" &" B"	UC -	











LONGITUDINAL
CONSTRUCTION JOINT

(LC JOINT)

LONGITUDINAL
WEAKENDINTS
(LWP JOINT)

PCC /AC EDGE SEAL
SEE UC-45
(S JOINT)

MEDIAN

PCC /AC EDGE SEAL
SEE UC-45
(S JOINT)

MEDIAN

LONGITUDINAL
WEAKENDINTS
(LWP JOINT)

LONGITUDINAL
CONSTRUCTION JOINT
(LC JOINT)

LONGITUDINAL
CONSTRUCTION JOINT
(LC JOINT)

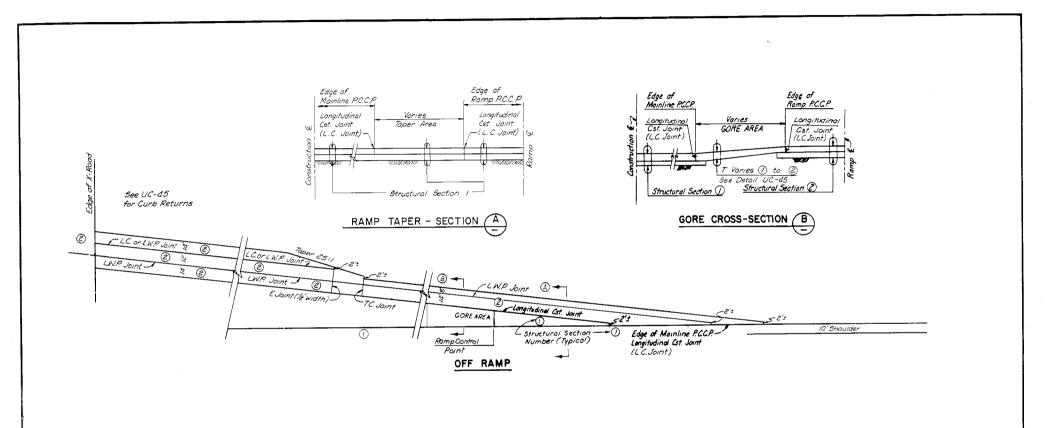
MAINLINE CONSTRUCTION JOINTS

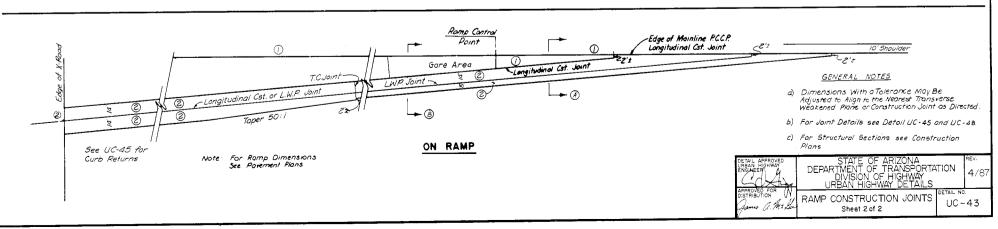
GENERAL NOTES

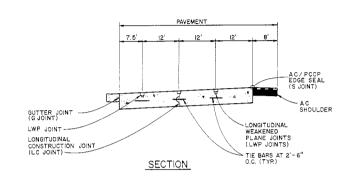
- Transverse construction joints shall be located within the allowable limits shown. (
).
- 2. "A" shall equal 4 ft, minimum (typical),
 "B" shall equal 3 ft, minimum (typical).

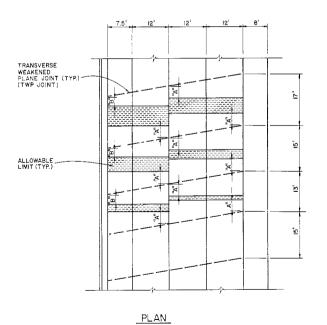
TRANSVERSE CONSTRUCTION JOINTS

	OTATE OF ADIZONA	REV.
DETAIL APPROVED URBAN HIGHWAY	STATE OF ARIZONA	
ENGINEER (DEPARTMENT OF TRANSPORTA	ALION]
C(0)	URBAN HIGHWAY DETAILS	
ABSENVEN FOR		DETAIL NO.
DISTRIBUTION	MAINLINE CONSTRUCTION	
Janu a. m. Lee	JOINTS	UC-43
V	Sheet I of 2	









LONGITUDINAL
CONSTRUCTION JOINT
(I.C. JOINT)

GUTTER JOINT (G JOINT)

MEDIAN

AC PCCP
EGG SEAL
(S JOINT)

EAC PC

MAINLINE CONSTRUCTION JOINTS

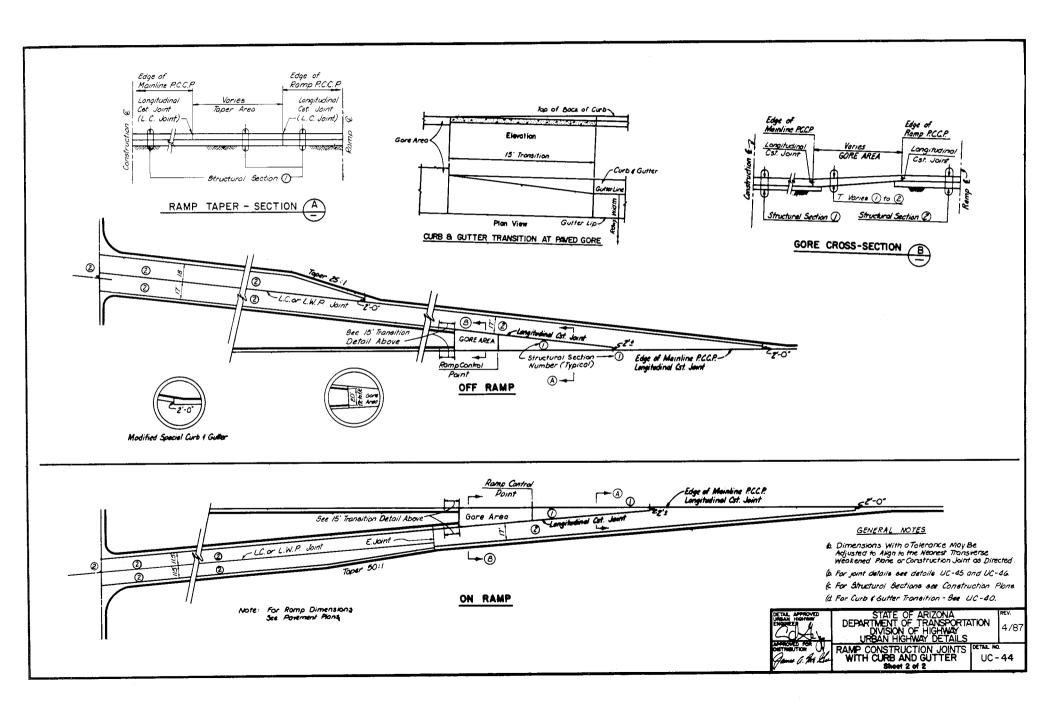
GENERAL NOTES

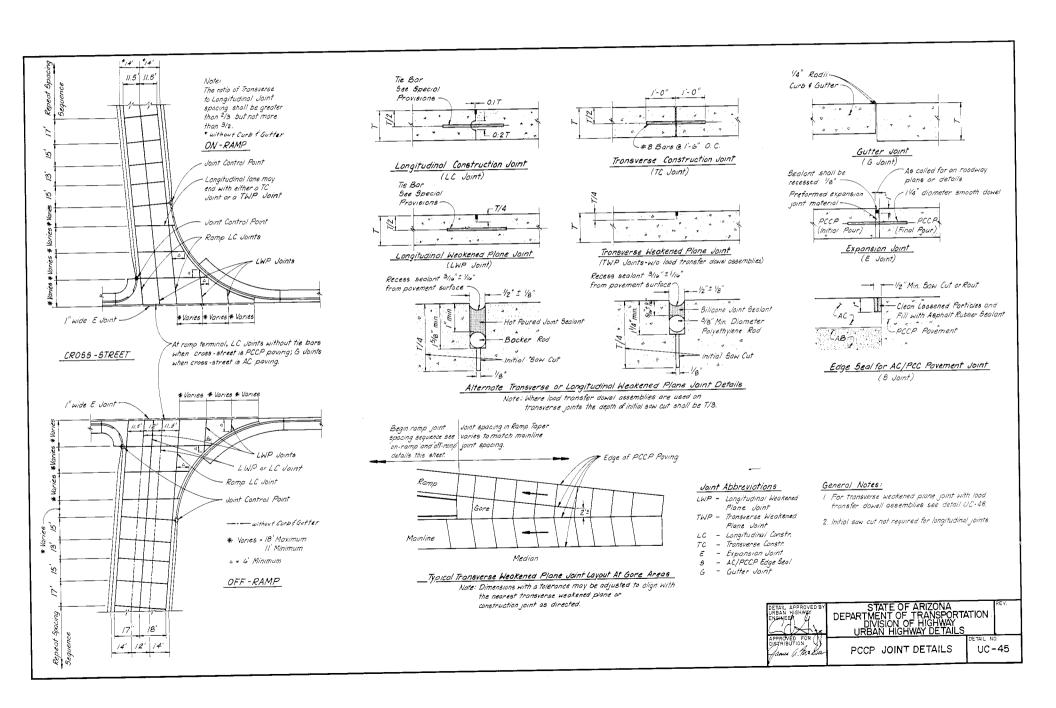
- I. Transverse construction joints shall be located within the allowable limits shown. ([222]).
- 2. "A" shall equal 4" ft. minimum (typical),
 "B" shall equal 3" ft. minimum (typical).

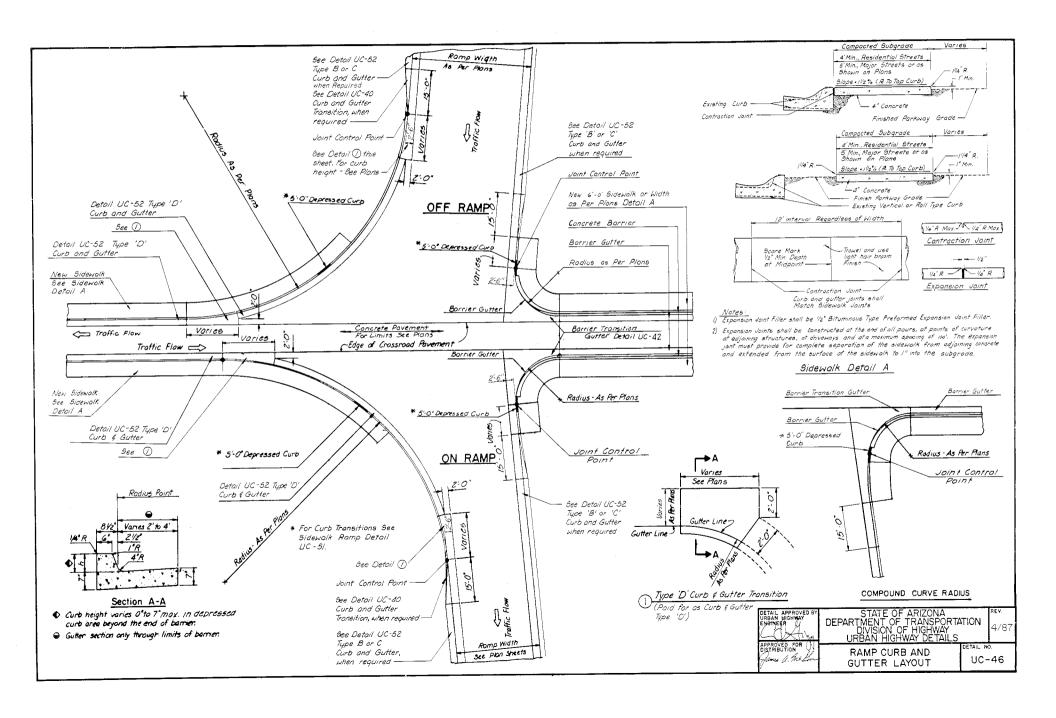
TRANSVERSE CONSTRUCTION JOINTS

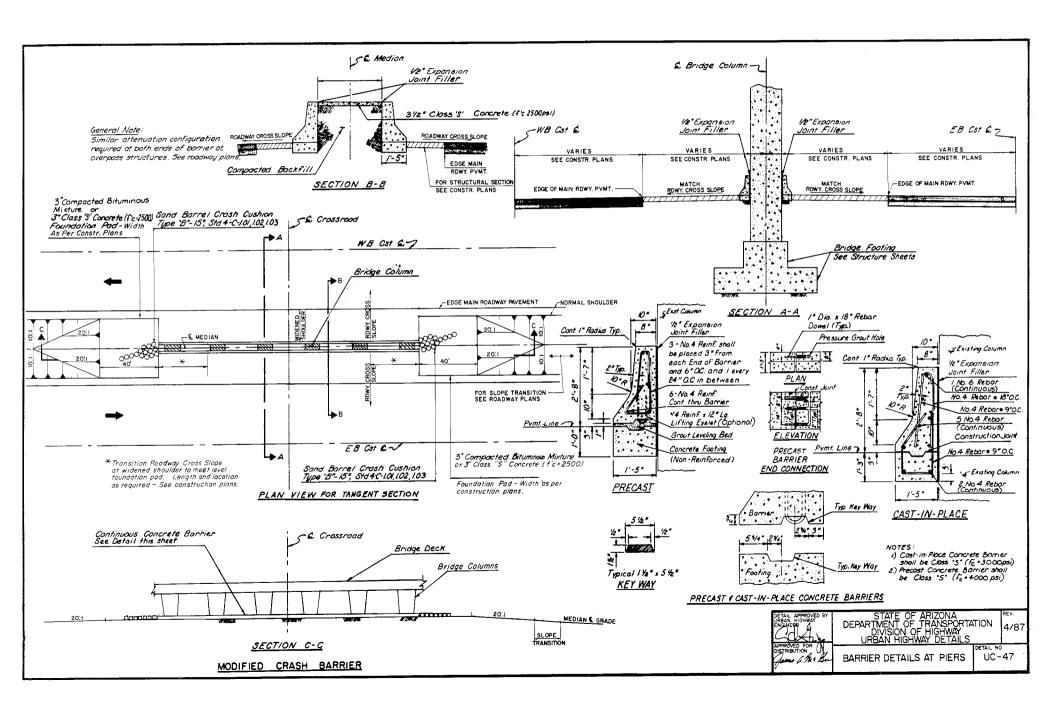
DETAIL APPROVED
UBBAN HIGHWAY
URBAN HIGHWAY
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY
URBAN HIGHWAY DE TAILS
DISPARISUTION

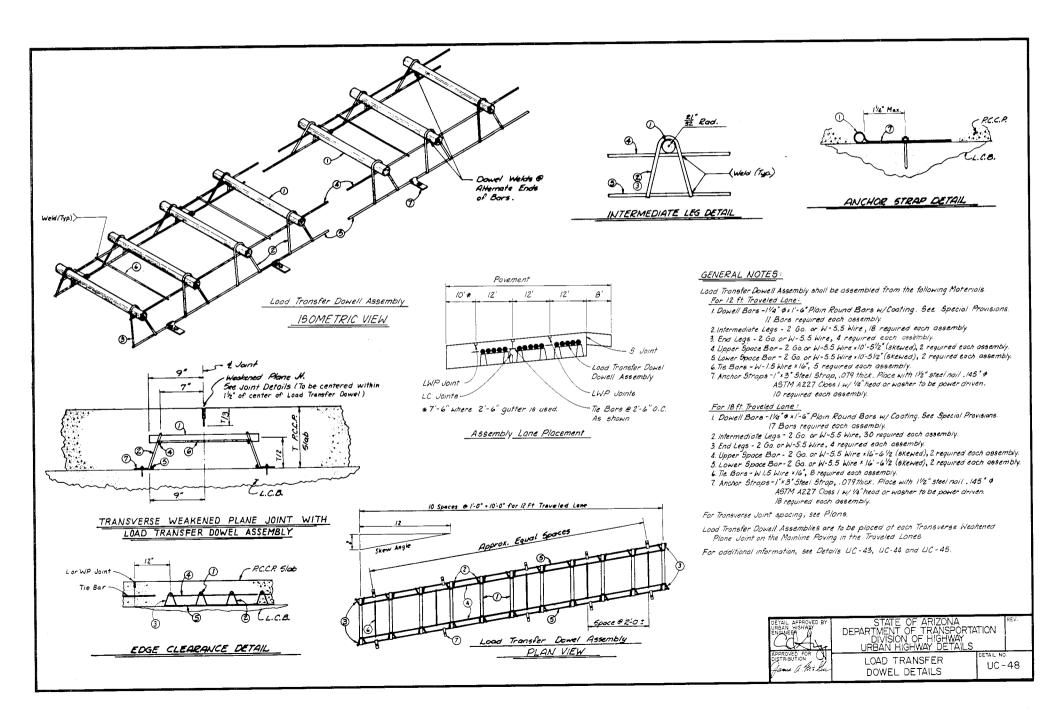
MAINLINE CONST. JOINTS
WITH CURB AND GUTTER
Sheet 1 of 2

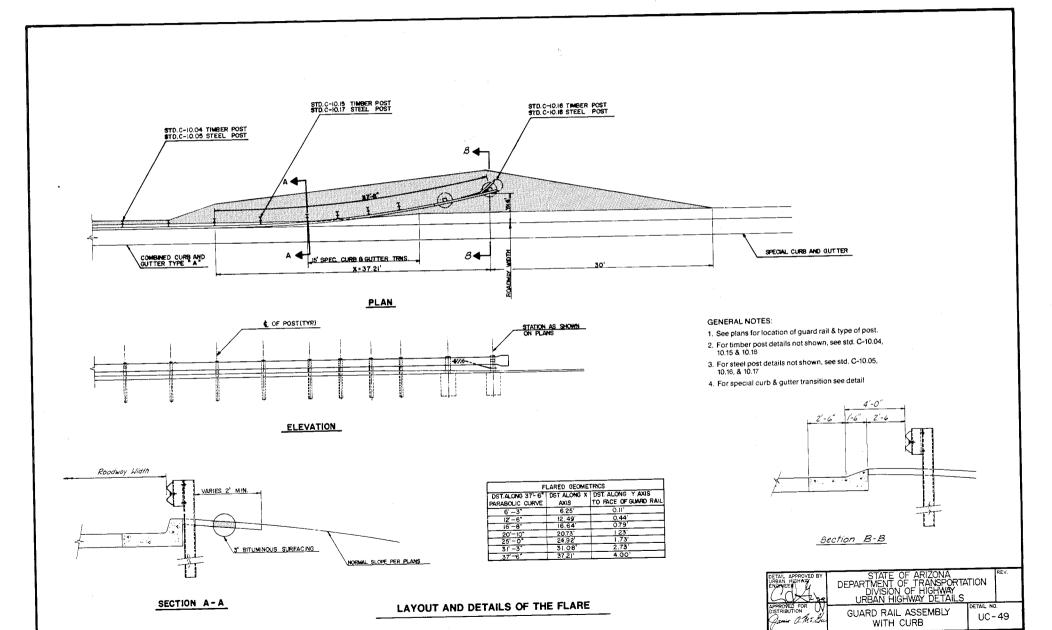


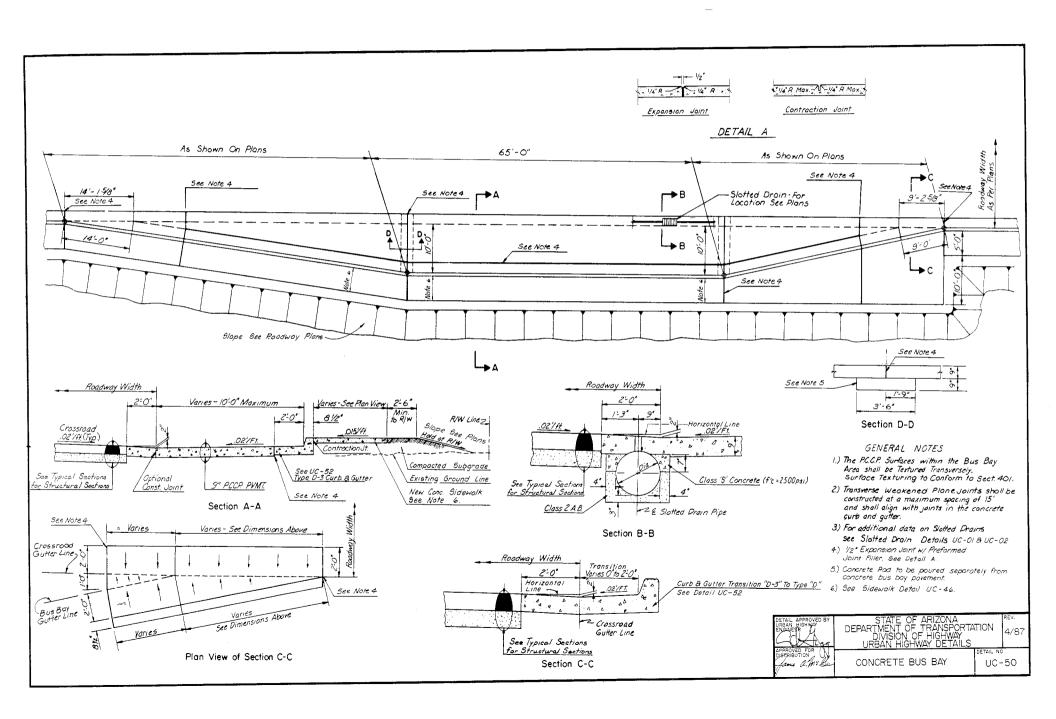


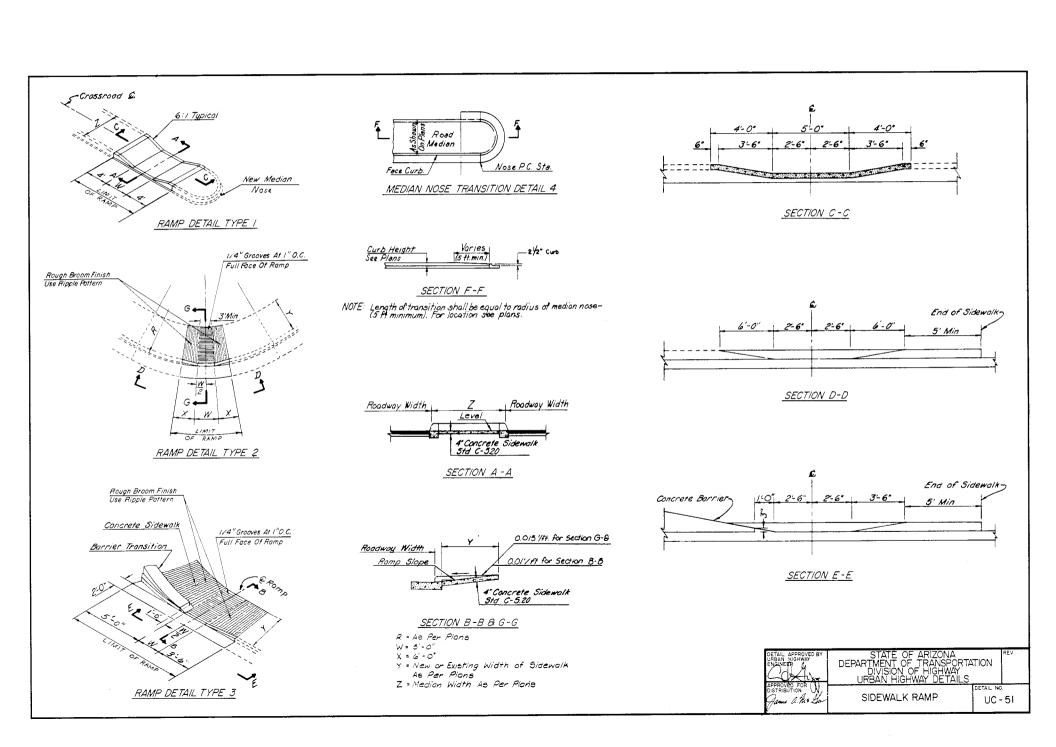


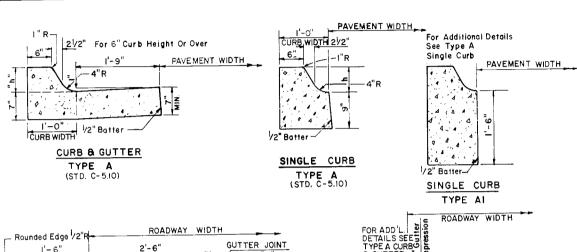












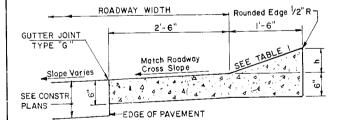
TYPE "G'

Slope Varies SEE CONSTR. PLANS

FOR ADD'L DE TAILS SEED TYPE A CURBO 8 GUTTER 1 74 8 PAVEMENT WIDTH

NOTES:

- I. ALL CONCRETE SHALL BE CLASS "S" (f'c = 2500 psi.)
- 2. SINGLE CURB, AND CURB AND GUTTER MAY BE CONSTRUCTED BY THE USE OF FORMS OR THE CONCRETE MAY BE EXTRUDED.
- 3. WHEN THE ROADWAY SECTION SLOPES AWAY FROM THE GUTTER, THE SLOPE OF THE GUTTER SHALL MATCH THE ROADWAY CROSS SLOPE.
- 4. TWO INCH DEEP CONTRACTION JOINTS SHALL BE PLACED IN THE CURB AND THE GUTTER AT LOCATIONS WHICH MATCH THE JOINTS IN ADJACENT PORTLAND CEMENT CONCRETE PAVEMENT AND AT APPROXIMATE 15 FOOT CENTERS WHEN ADJACENT TO ASPHALTIC CONCRETE PAVEMENT OR CRCP. JOINTS SHALL BE EITHER HAND TOOLED OR SAWED.
- 5. ONE HALF INCH THICK EXPANSION JOINTS SHALL BE LOCATED AT TANGENT POINTS IN CURB RETURNS, AT STRUCTURES AND AT MAXIMUM 60 FOOT INTERVALS. THE 1/2 INCH JOINT FILLER SHALL EXTEND THE FULL DEPTH OF THE CONCRETE.
- 6. CONCRETE SHALL BE FINISHED WITH A STEEL TROWEL FOLLOWED BY BRUSHING WITH A FINE BRUSH ALONG THE LENGTH OF THE CURB AND GUTTER.
- 7. ALL EXPOSED EDGES AND HAND TOOLED JOINTS SHALL BE FINISHED WITH A TOOL HAVING A 1/4 INCH RADIUS UNLESS A LARGER RADIUS IS INDICATED.



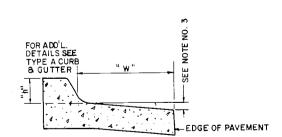
Horizontal Line

EDGE OF PAVEMENT

TABLE 1

c .	PECIAL AND G TYPE	CURB HEIGHT "h"	GUTTER WIDTH "W"	SLOPE		
	В	6,,	2'-6"	311		
	C	3"	2 -6"	6:1		
				Ĺ		

SPECIAL CURB AND GUTTER TYPE B AND C



CURB & GUTTER TYPE D-3 SEE TABLE 2

CURB & GUTTER

TYPE D, D-18 D-2

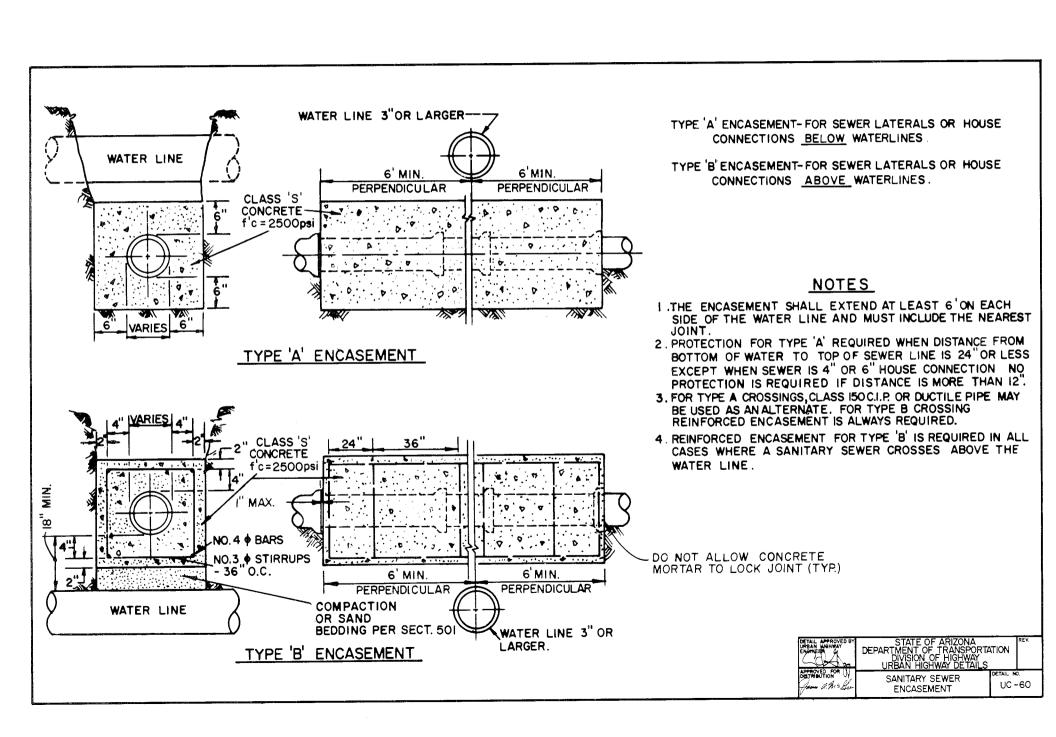
SEE TABLE 2

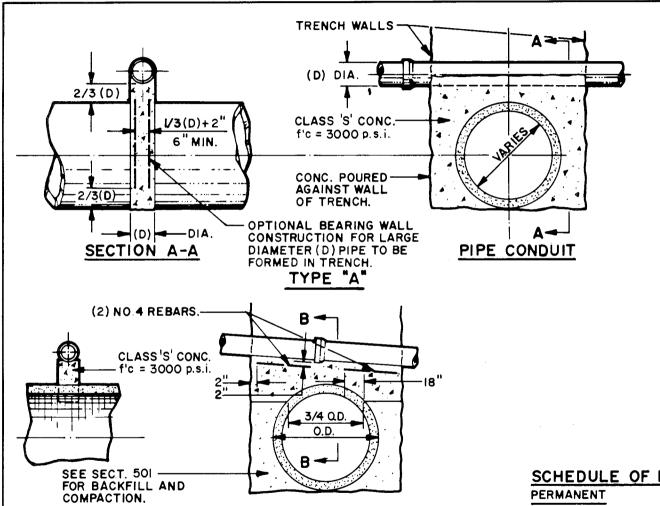
TABLE 2

C & G TYPE	CURB HEIGHT "h"	GUTTER WIDTH "W"			
D	X	2'-0''			
D-1 D-2	X	2'-6"			
D-3	×	2'-0"			

X SEE CONSTRUCTION PLANS

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TYPE "B"

SECTION B-B

NOTES

I. TYPE "A" PIPE SUPPORT MAY BE USED FOR ANY TYPE CROSSING CONDITION.

2. TYPE"C" PIPE SUPPORT MAY BE USED FOR CROSSING PIPES WITH A BELL DIAMETER OF 18" OR LESS IF SUFFICIENT CLEARANCE OVER STORM SEWER IS AVAILABLE AND TOTAL SPAN IS LESS THAN 34.

3. INTERMEDIATE PIPE SUPPORT SHALL BE USED IN CONJUNCTION WITH TYPE "C"PIPE SUPPORT IF TOTAL SPAN EXCEEDS MAX. W IN TABLE.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING ALL SUPPORTS BOTH PERMANENT AND TEMPORARY. TEMPORARY SUPPORTS SHALL NOT BE A SEPARATE PAY ITEM.

5. PERMANENT PIPE SUPPORTS MAY BE DECREASED FROM PLAN QUANTITIES, OR EXTENDED TO INCLUDE SOME LISTED BELOW AS TEMPORARY SUPPORTS IF CONDITIONS WARRANT THESE CHANGES AT THE TIME OF CONSTRUCTION. DECISION SHALL BE MADE BY THE ENGINEER

BY THE ENGINEER.
6. WHEN TYPE "A" PIPE SUPPORT IS USED AND WHENEVER SO DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL PIERCE THE WALL WITH SUITABLE OPENINGS TO PREVENT UNEQUAL PRESSURE RESULTING FROM FLOODING OF THE BACKFILL THE VOLUME OF THE PIERCED OPENING SHALL NOT EXCEED 1/2 THE VOLUME OF THE SUPPORTING WALL.

7. USE TYPE B"PIPE SUPPORT INSTEAD OF TYPE "C" WHEN CLEARANCE IS LESS THAN 'Y'IN TABLE, BETWEEN PIPES.

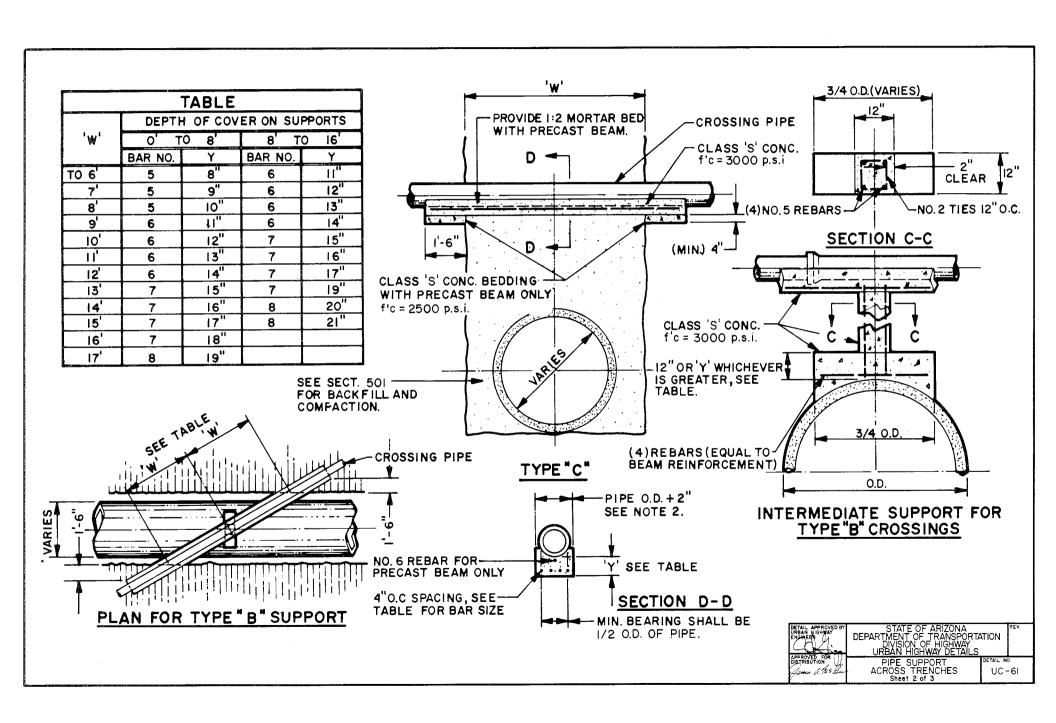
SCHEDULE OF REQUIRED SUPPORTS

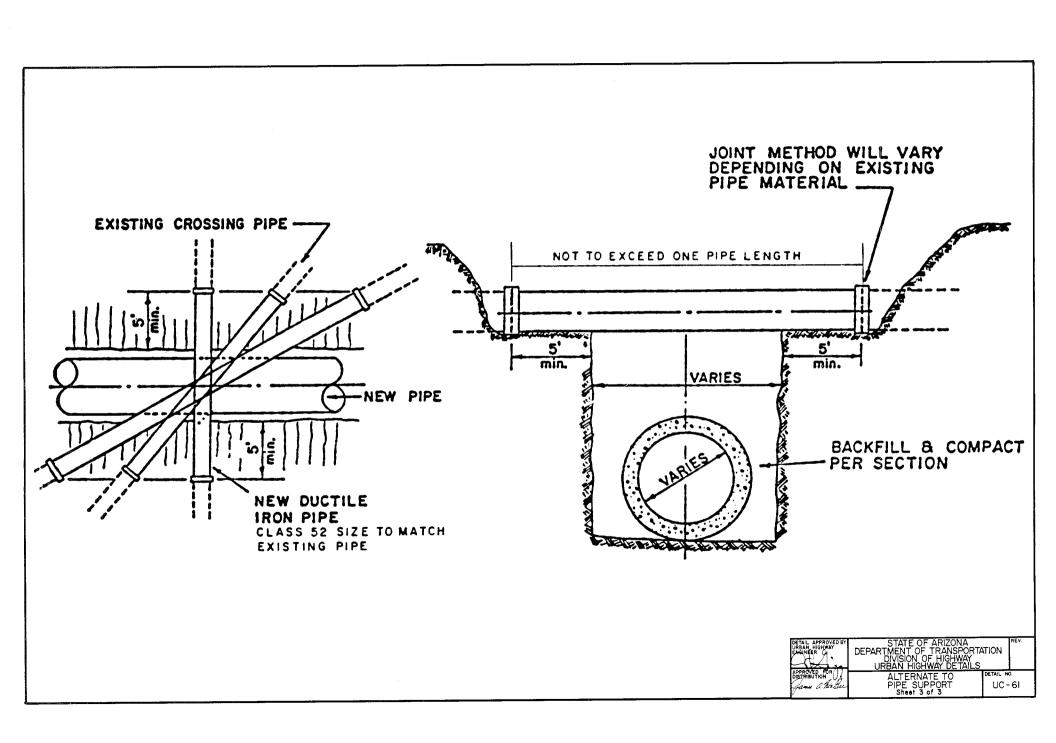
SEWER LINES

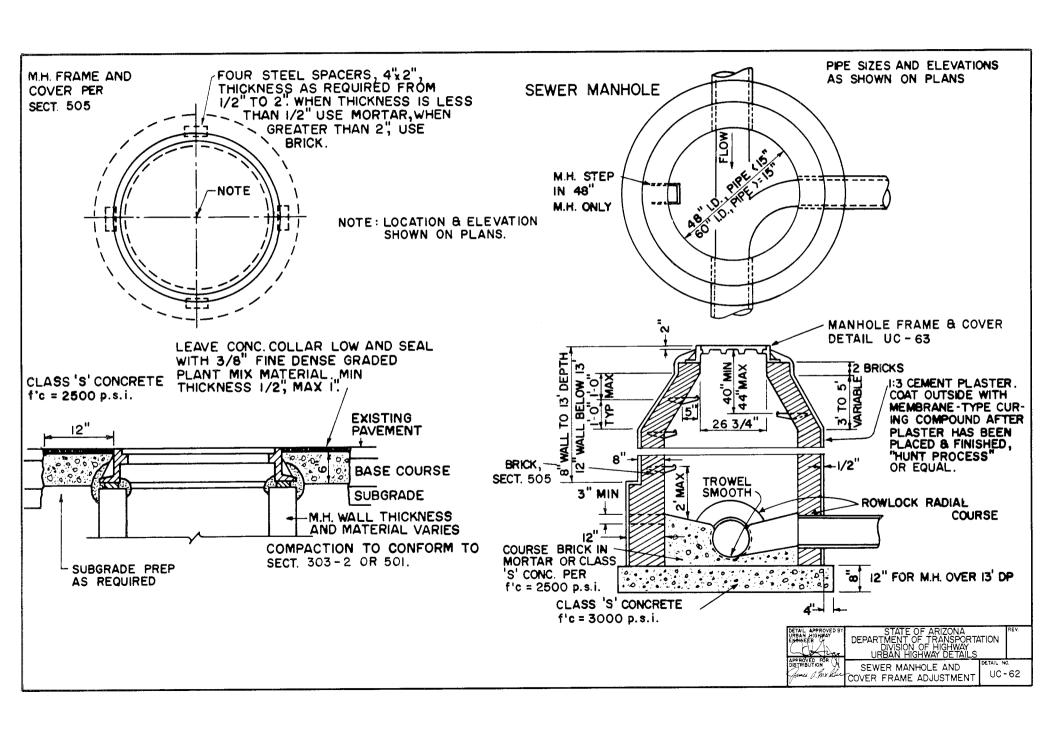
NOTE: OTHER UTILITIES AS NOTED ON THE PLANS OR AS REQUIRED BY THE ENGINEER AT TIME OF CONSTRUCTION. **TEMPORARY**

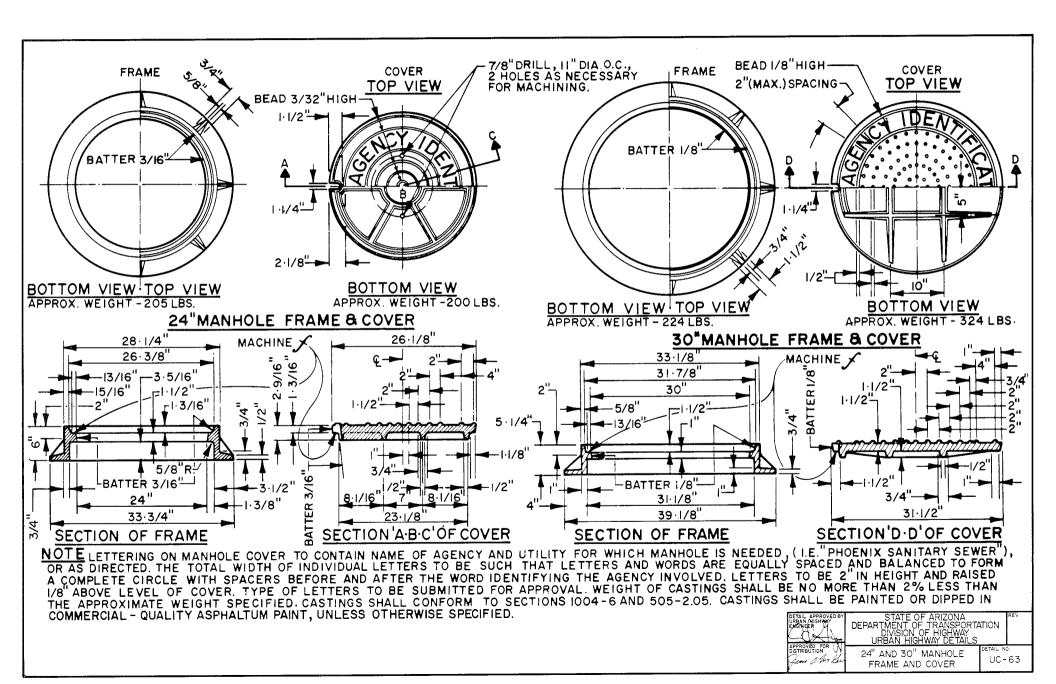
CAST IRON PIPE CONC. STORM DRAIN CONC. IRRIG. PIPE CONC. BOX CULVERT BURIED TELCO. TRAFFIC CONTROL CONDUIT GAS PIPES WATER & SEWER LINES

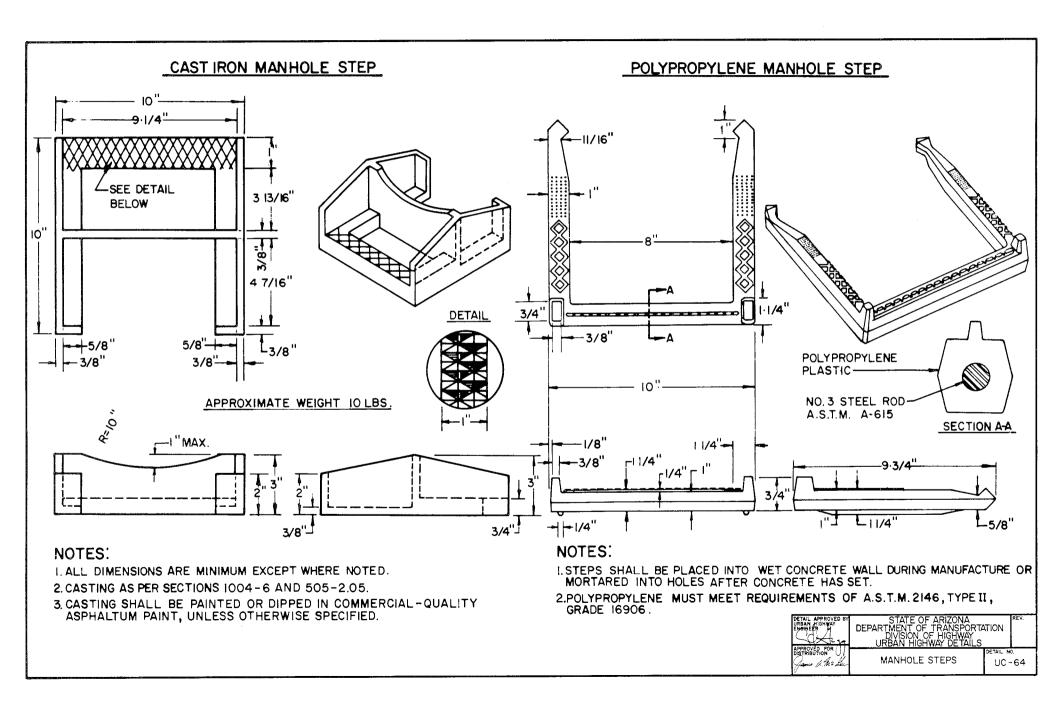
DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	ATION REV.
DISTRIBUTION James C. Mr Lie	PIPE SUPPORT ACROSS TRENCHES Sheet of 3	UC - 61

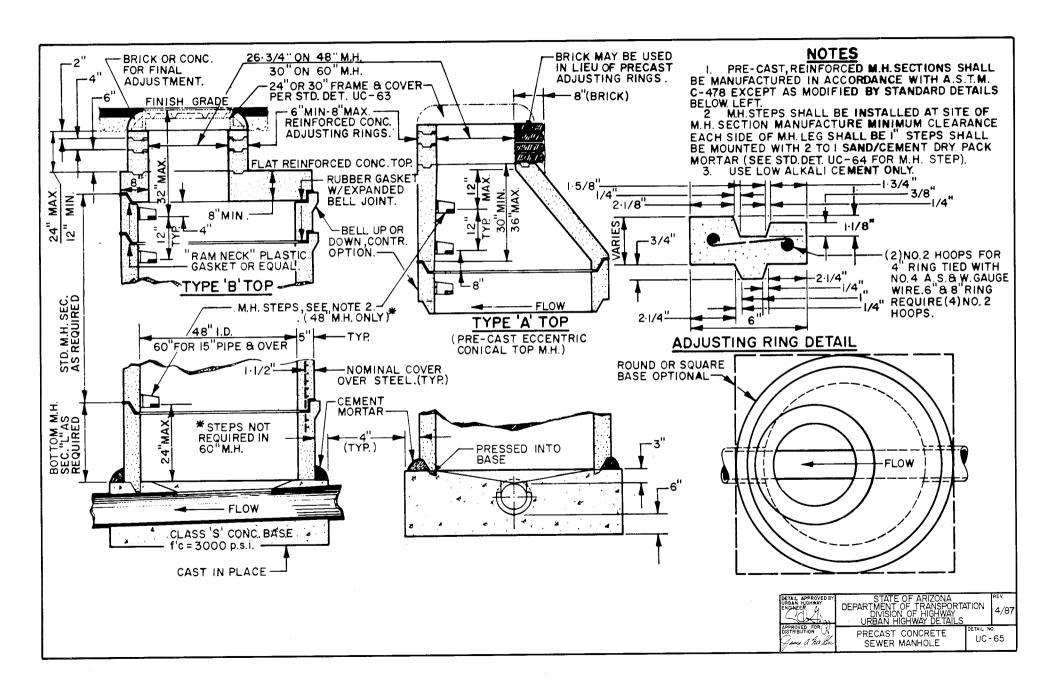


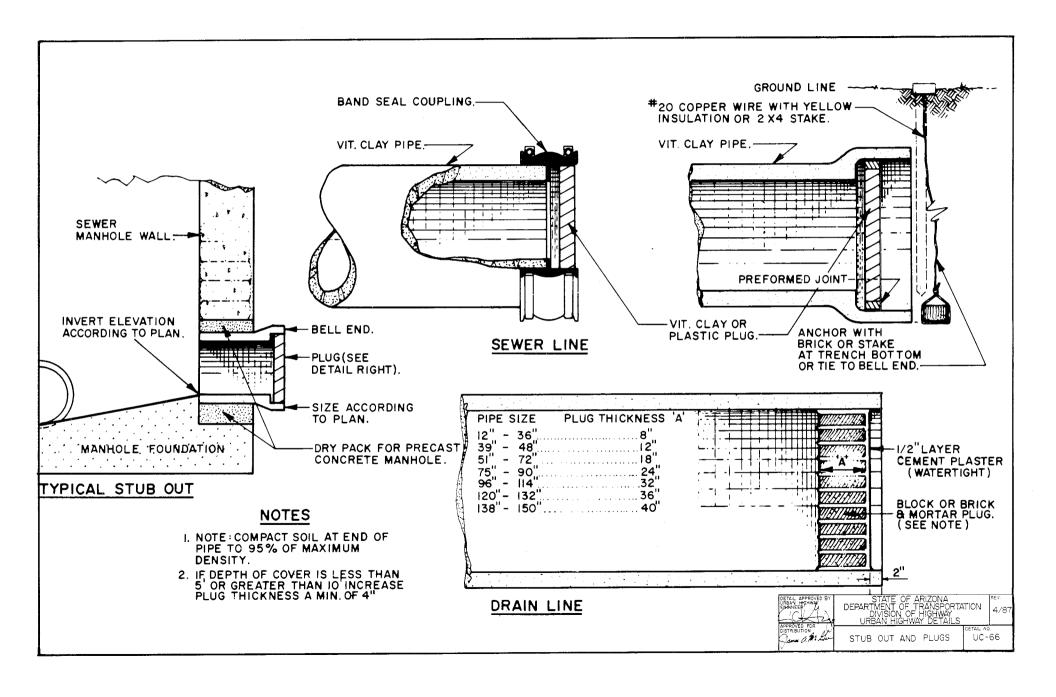


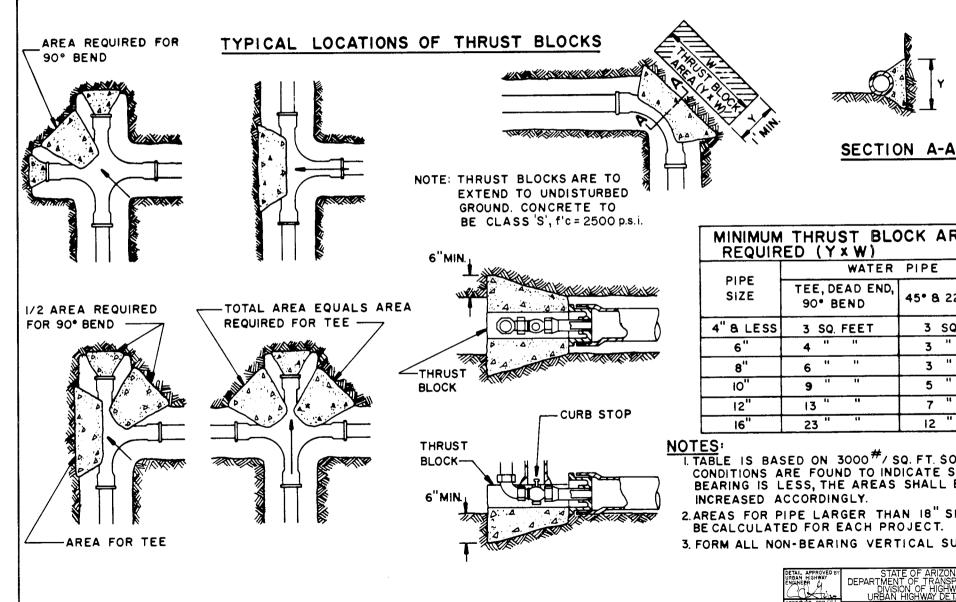


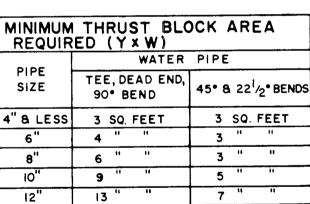






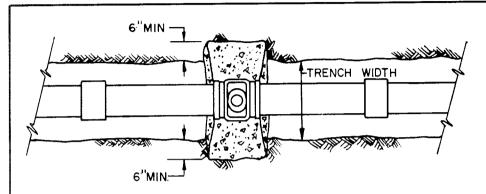


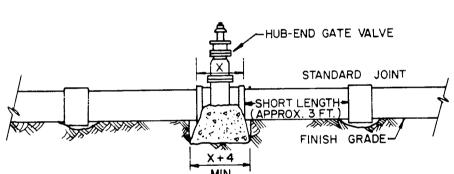




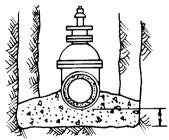
- I. TABLE IS BASED ON 3000#/ SQ. FT. SOIL. IF CONDITIONS ARE FOUND TO INDICATE SOIL BEARING IS LESS, THE AREAS SHALL BE
- 2.AREAS FOR PIPE LARGER THAN 18" SHALL BE CALCULATED FOR EACH PROJECT.
- 3. FORM ALL NON-BEARING VERTICAL SURFACES.

DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS		REV
APPROVED FOR W	THRUST BLOCKS FOR WATER LINES	UC -	





CLASS 'S' CONCRETE f'c = 2500 p.s.i. FORM AS REQUIRED TO KEEP CLEAR OF JOINTS.



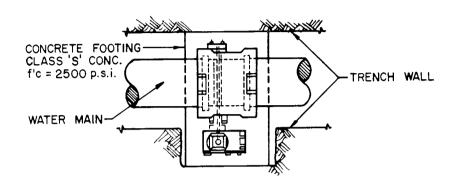
NOTE

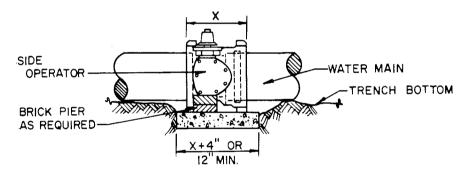
THIS DETAIL COVERS WATER GATE VALVES, 4"TO 16" INCLUSIVE, REGARDLESS OF TYPE OF PIPE USED. LARGER LINES TO BE DETAILED ON PLANS.

4"MIN.

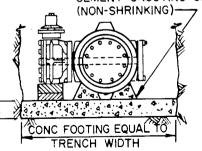
4"MIN.

GATE VALVE





CEMENT GROUTING UNDER VALVE



NOTES

- I. THIS DETAIL COVERS BUTTERFLY VALVE INSTALLATION, 3" TO 12" INCLUSIVE, REGARDLESS OF TYPE OF PIPE OR JOINT USED. LARGER LINES TO BE DETAILED ON PLANS.
- 2. VALVE BOX AND COVER REQUIRED PER DETAIL UC-84.

BUTTERFLY VALVE

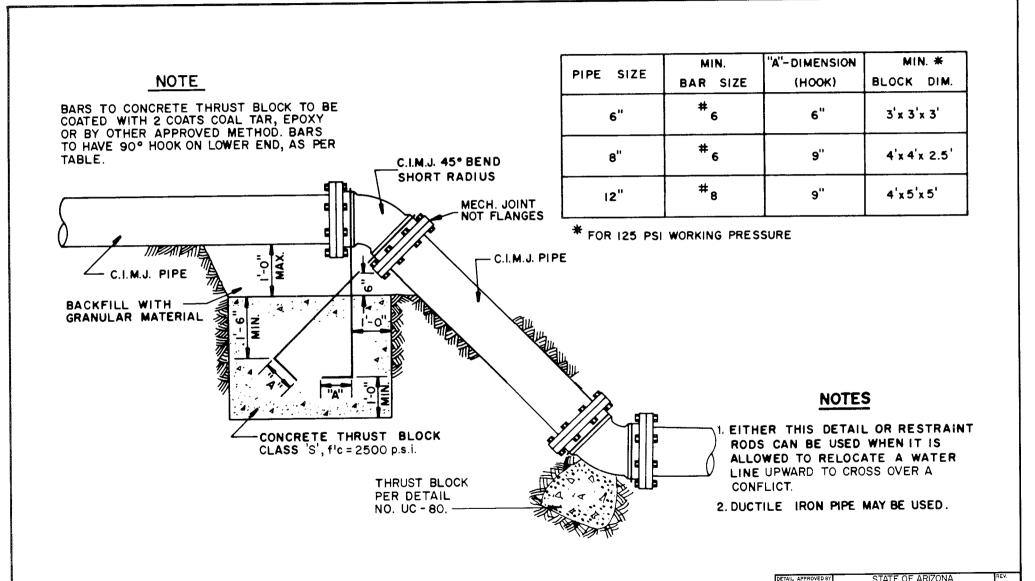
STATE OF ARIZONA
USBAN HIGHWAY
EVENTHER

DEPARTMENT OF TRANSPORTATION
DEPARTMENT OF HIGHWAY
URBAN HIGHWAY DETAILS

APPROVED FOR WISHBUTCH
URBAN HIGHWAY DETAILS

BLOCKING FOR WATER VALVES
GATE AND BUTTERFLY

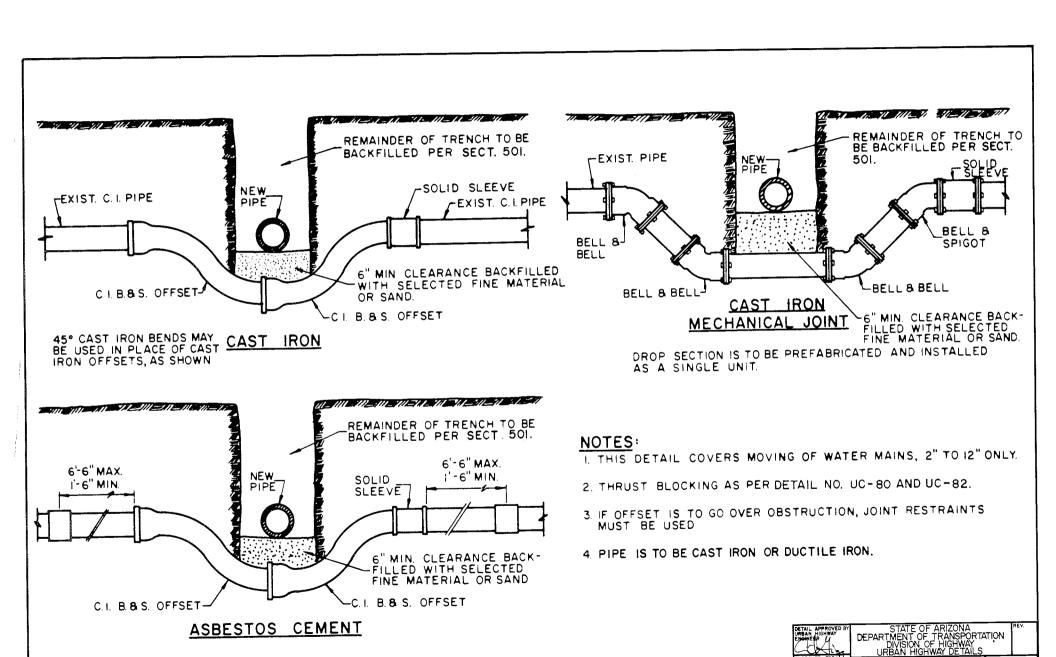
UC -81



ANCHOR BLOCK FOR

VERTICAL BENDS

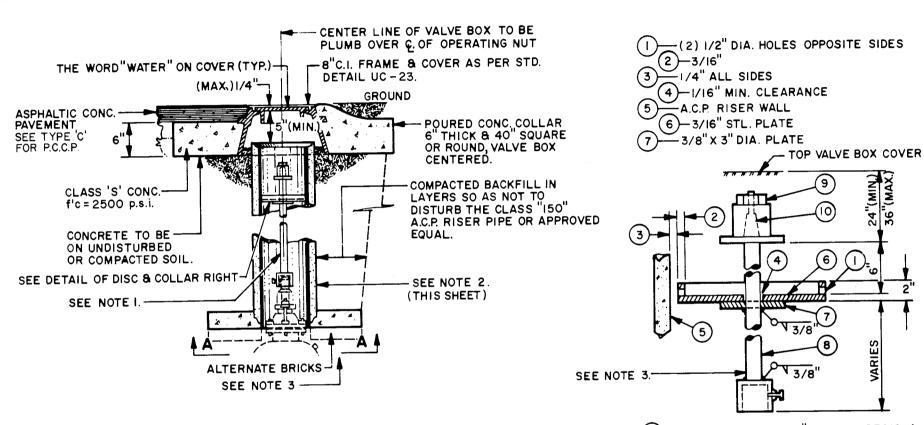
UC-82



VERTICAL REALINGMENT

OF WATER MAINS

UC -83



NOTES

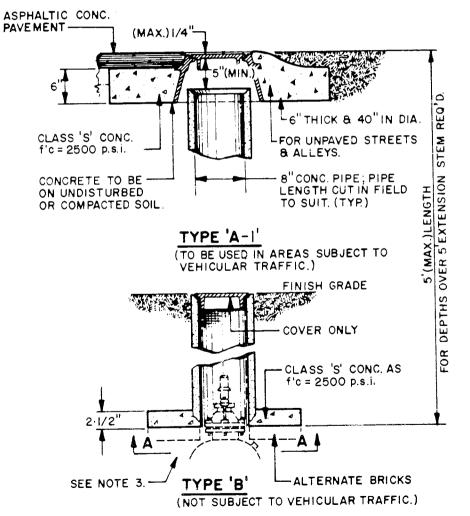
I. EXTENSION STEM: WITH SQUARE SOCKET ON BOTTOM TO FIT 2" SQUARE VALVE NUT. EXTENSION TO VALVE STEMS REQUIRED ON ALL VALVES INSTALLED WHERE OPERATING NUT IS OVER 5' BELOW SURFACE. LENGTH TO FIT EACH INSTALLATION. OPERATING NUT TO BE HELD ON TOP OF EXTENSION WITH STOP NUT.

2. IF TWO OR MORE JOINTS OF A.C.P. ARE USED TO MAKE RISER USE STANDARD A.C. PIPE RUBBER GASKET COUPLING TO JOIN PIPE. WHERE RISER LENGTH EXCEEDS 10 USE 12"
A.C. PIPE

3. STEM PAINTING: ALL STEEL TO HAVE PRIME COAT OF PAINT NO. 4 AND ONE HEAVY APPLICATION (FINISH COAT) OF PAINT NO. 1002 - 4.06 AS PER SECT. 1002.

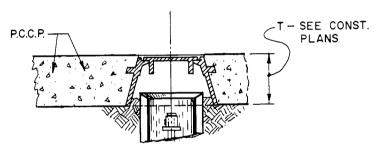
- 8 MIN. ROD SIZE 1-1/4" DIA. STL. DESIG. A-15
 9 -2" SQUARE OPER. NUT TO BE HELD DOWN
 WITH NUT ON THREADED SHAFT AS STD.
 VALVE STEM NUT ATTACHMENT.
- TAPERED.

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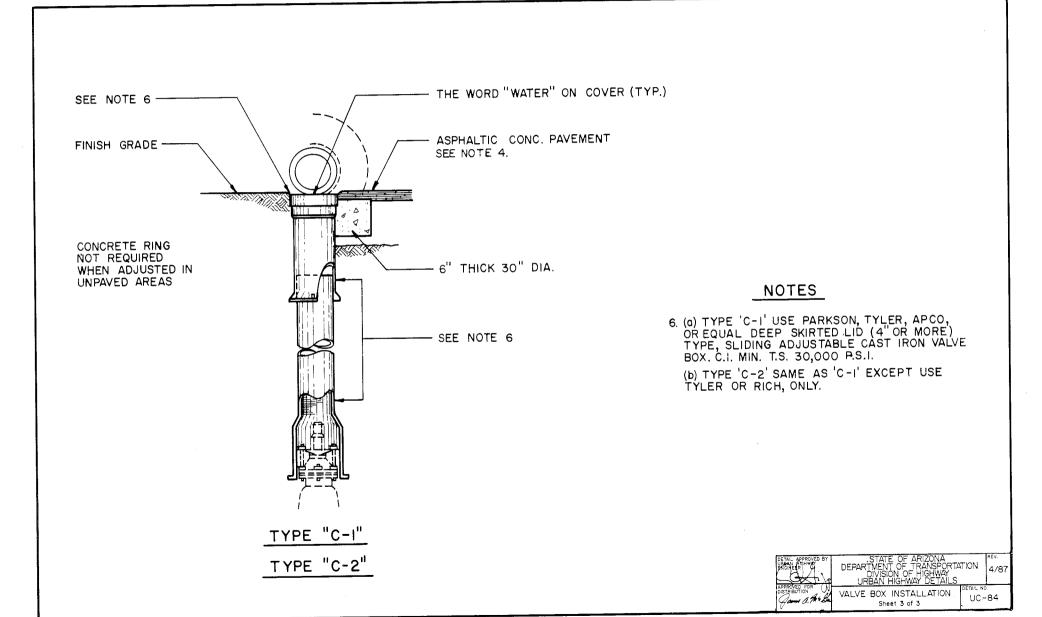
NOTES

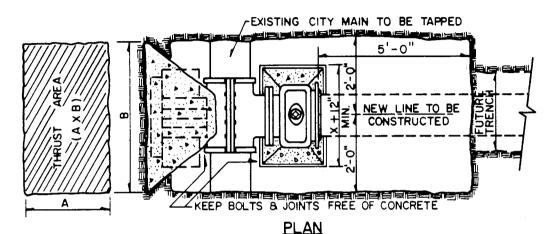
4. VALVE BOX SHALL BE ADJUSTED TO THE FINISHED GRADE PRIOR TO PLACING OF THE ASPHALTIC CONCRETE SURFACE OR P.C.C.P. 5. GROUND BELOW CONCRETE PAD OR 3 BRICKS TO BE COMPACTED 95% OF MAX. DENSITY.



TYPE 'A-2' (TO BE USED WHEN VALVE BOX IS LOCATED WITHIN P.C.C. PAVEMENT)

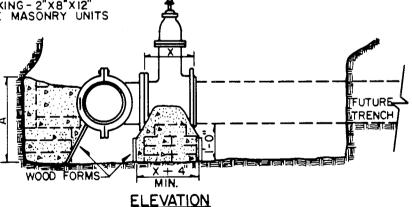
STATE OF ARIZONA
BERAN HUMBAN
BERSHERA JUNION
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAY
URBAN HIGHWAY DETAILS
APPROVED FOR JUNION
STRIBUTION
WALVE BOX INSTALLATION
Sheet 2 of 3
Sheet 2 of 3





CONCRETE: CLASS 'S' f'c = 2500 p.s.i. NORMALLY, CURE 24 HRS. BEFORE BACKFILLING.

OPTIONAL BLOCKING - 2"X8"X12"
SOLID CONCRETE MASONRY UNITS
AS INDICATED.

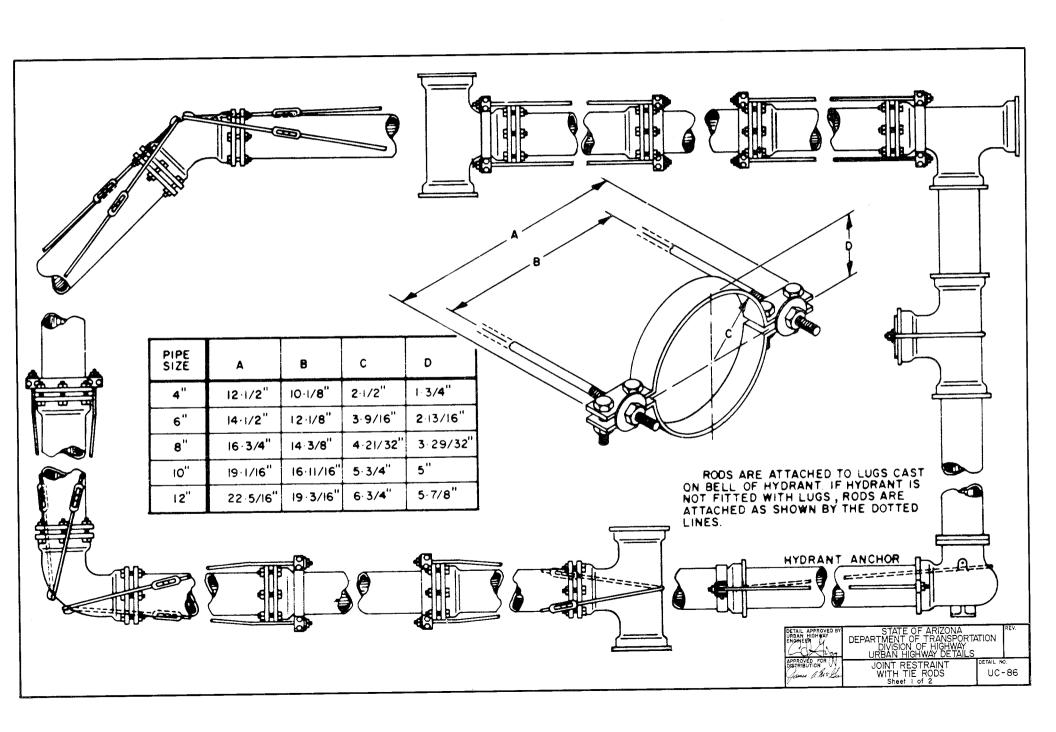


NOTES

- I BLOCKS ARE TO EXTEND TO UNDISTURBED GROUND.
- 2.ALL TAPS SHALL BE MADE BY CITY CREWS AT PREVAILING RATES.
- 3. INSTALL PERMANENT BLOCKING UNDER VALVE BEFORE TAP IS MADE. ALL FLANGE BOLTS SHALL BE CLEAR OF FOOTING.
- 4 ALL TAPPING SLEEVES MUST BE PRESSURE TESTED PRIOR TO REQUESTS FOR TAP BY CITY.
- 5. CONTRACTOR SHALL EXCAVATE AS SHOWN AND SHALL SET TAPPING SLEEVE AND VALVE AND TIGHTEN ALL BOLTS PRIOR TO REQUESTING CITY TO MAKE TAP.
- 6. TAPPING SLEEVE TO BE PLACED A MINIMUM OF 18" FROM ANY BELL, COUPLING, VALVE, OR OTHER OBSTRUCTION.

SIZE OF PIPE BEING CONNECTED			RUST AREA UALS (AXB)
4" B LESS	3 :	SQUARE	FEET
6"	4	н	и
8"	6	H	ıl
10"	9	н	11
12"	13	н	M
16"	23		11

DETAIL APPROVED BY URBAN HIGHWAY ENSINEEA	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	TION	REV.
DISTRIBUTION N	TAPPING SLEEVE AND VALVE INSTALLATION	UC -	



THIS DETAIL IS FOR USE ONLY ON UNDERGROUND INSTALLATIONS WHERE THE USE OF CONCRETE THRUST BLOCKING PER DETAIL NO. UC-80 CANNOT BE USED BECAUSE OF OBSTRUCTIONS, OR REQUIREMENTS OF THE SPECIFICATIONS...

CLAMPS SHALL BE 1/2 BY 2 INCHES FOR PIPE 4 AND 6 INCHES IN DIAMETER; 5/8 BY 2-1/2 INCHES FOR PIPE 8 AND 10 INCHES; 5/8 BY 3 INCHES FOR PIPE 12 INCHES. BOLT HOLES SHALL BE 1/16 INCH IN DIAMETER LARGER THAN BOLTS.

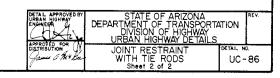
RODS SHALL BE 3/4 INCHES IN DIAMETER FOR PIPES 4,6 AND 8 INCHES IN DIAMETER; 7/8 INCHES FOR PIPE IO INCHES AND I INCH IN DIAMETER FOR PIPE I2 INCHES.

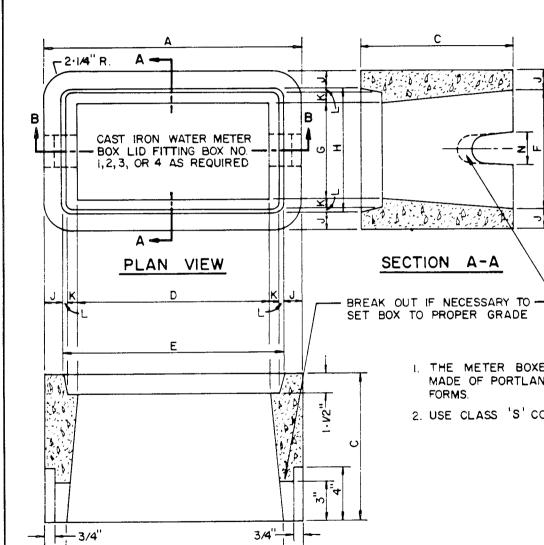
BOLTS SHALL BE 5/8 INCHES IN DIAMETER FOR PIPE 4,6 AND 8 INCHES IN DIAMETER; 3/4 INCHES FOR PIPE 10 INCHES AND 7/8 INCHES IN DIAMETER FOR PIPE 12 INCHES.

WASHERS MAY BE CAST IRON OR STEEL, ROUND OR SQUARE. DIMENSIONS FOR CAST IRON WASHERS ARE 5/8 BY 3 INCHES FOR PIPE 4,6,8 AND IO INCHES IN DIAMETER AND 3/4 BY 3·1/2 INCHES FOR PIPE 12 INCHES. DIMENSIONS FOR STEEL WASHERS ARE 1/2 BY 3 INCHES FOR PIPE 4,6,8 AND IO INCHES IN DIAMETER AND 1/2 BY 3·1/2 INCHES FOR PIPE 12"IN DIA., HOLES SHALL BE 1/8 INCH LARGER THAN THE RODS.

FOR PIPE LARGER THAN 12"IN DIA. , RESTRAINT DETAILS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO INSTALLATION.

- I. ALL TIE RODS, ROD COUPLINGS, TURNBUCKLES, BOLTS AND NUTS FOR THESE JOINTS SHALL BE OF CARBON STEEL EQUIVALENT TO A.S.T.M. A-307, GRADE B, WITH CADMIUM PLATING IN ACCORDANCE WITH A.S.T.M. A-165, EXCEPT THAT THE MIN. THICKNESS OF THE PLATING SHALL BE .0002 OF AN INCH. CADMIUM PLATED BOLTS SHALL HAVE CLASS 2A THREADS AND THE NUTS, ROD COUPLINGS AND TURNBUCKLES SHALL HAVE 2B THREADS.
- 2. HIGH STRENGTH, HEAT TREATED CAST IRON TEE-HEAD BOLTS WITH HEXAGON NUTS, ALL IN ACCORDANCE WITH THE STRENGTH REQUIREMENTS OF A.W.W.A. C-III, MAY BE USED IN LIEU OF THE CADMIUM PLATED BOLTS AND NUTS.
- 3. THE SKETCHES IN THIS SERIES OF FIGURES SHOW ACCEPTABLE METHODS OF PROVIDING ANCHORAGE. THERE IS NO PARTICULAR SIGNIFICANCE TO BE ATTACHED TO WHETHER THE SKETCH SHOWS A BELL AND SPIGOT JOINT OR A STANDARD MECHANICAL JOINT. THE ANCHORING PROCEDURE ILLUSTRATED APPLIES IN MOST CASES TO EITHER TYPE OF JOINT. IN SOME CASES, DIMENSIONS OF THE PARTICULAR PIPE OR HUB AND SPACE AVAILABLE FOR WORKING AROUND THE PARTICULAR JOINT WILL INFLUENCE THE CHOICE OF METHODS USED.
- 4. IN CERTAIN ASSEMBLIES OF RODS AND CLAMPS SHOWN, RODS RUN FROM A LUG ON THE FITTING (OR A CLAMP BEHIND THE HUB OF A BELL) TO A CLAMP AGAINST A FACE OF A BELL. NOTE THAT THIS ARRANGEMENT ANCHORS ONLY ONE JOINT. THE STABILITY OF THE JOINT WHERE THE CLAMP IS AGAINST THE FACE OF THE BELL DEPENDS ON HAVING SOIL ABOVE A RELATIVELY LONG PIECE OF PIPE ON BOTH SIDES OF THE JOINT. CONSEQUENTLY, IF THE DISTANCE BETWEEN THE FIRST AND SECOND JOINTS IS LESS THAN 12 FEET, THE SECOND JOINT SHOWN SHALL BE ANCHORED BY A CLAMP BEHIND THE HUB OF THE BELL AND RODS TO A CLAMP AT THE FACE OF THE NEXT BELL.
- 5. COATING TYPE: A.H.D ASPHALTIC PRIMER 907-2.02 ALL EXPOSED METAL.





M

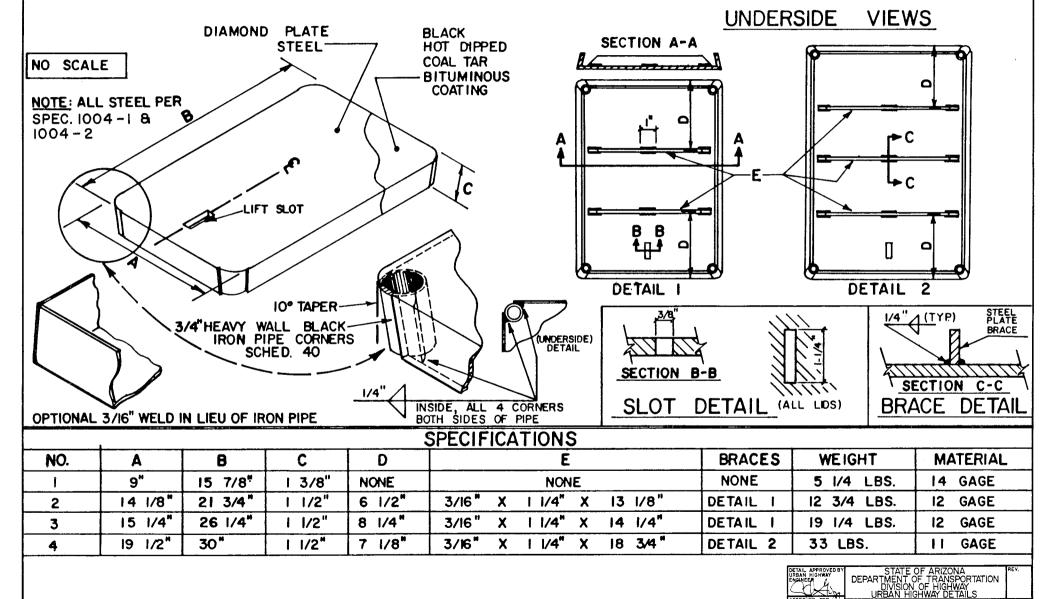
SECTION B-B

	METE	R BOX D	IMENSIONS	
DIM.		BOX NUME	BER	
	1	2	3	4
Α	19"	24.1/2"	29 1/2"	33 · 1/2"
В	12"	16 · 3/4"	18.1/2"	22 - 3/4"
С	11"	12"	(3"	1 12"
D	1411	19"	23:3/4"	27 · 3/4"
E	16"	22"	26.1/2"	30·1/2"
F	9"	13-1/4"	15"	19:3/4"
G	7"	11-1/4"	12-3/4"	17"
Н	9"	14-1/4"	15-1/2"	19 · 3/4"
ī	6"	8 · 3/8"	9-1/4"	11+3/8"
J	1-1/2"	1 - 3/4"	1.3/4"	1 1/2"
K	3/4"	1 1/8"	1 11	1"
L	1/4"	3/8"	3/8"	3/8"
M	16"	21"	25.1/2"	30-1/2"
N	2-1/2"	3-1/2"	4"	4"
	5/8"OR 3/4" METER	" METER	1-1/2" METER	2" METER

NOTES

- I. THE METER BOXES SHALL CONFORM TO THE DIMENSIONS AS SHOWN AND SHALL BE MADE OF PORTLAND CEMENT CONCRETE POURED AND TAMPED (OR VIBRATED) IN TRUE FORMS
- 2. USE CLASS 'S' CONCRETE, f'c = 4000 p.s.i.

STATE OF ARIZONA
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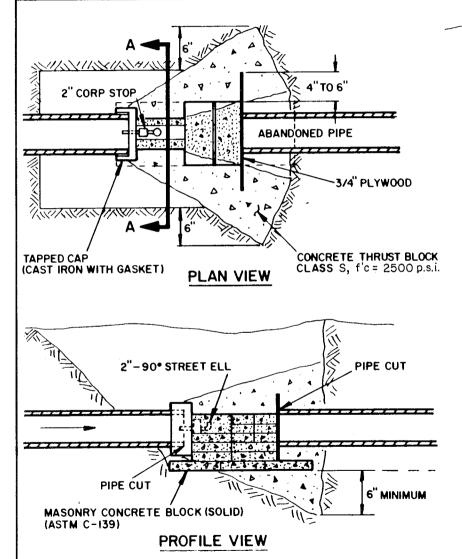


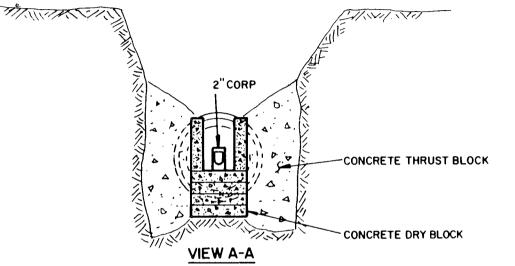
STEEL COVER FOR

WATER METER BOX

UC-88

ame a Mrs Lle

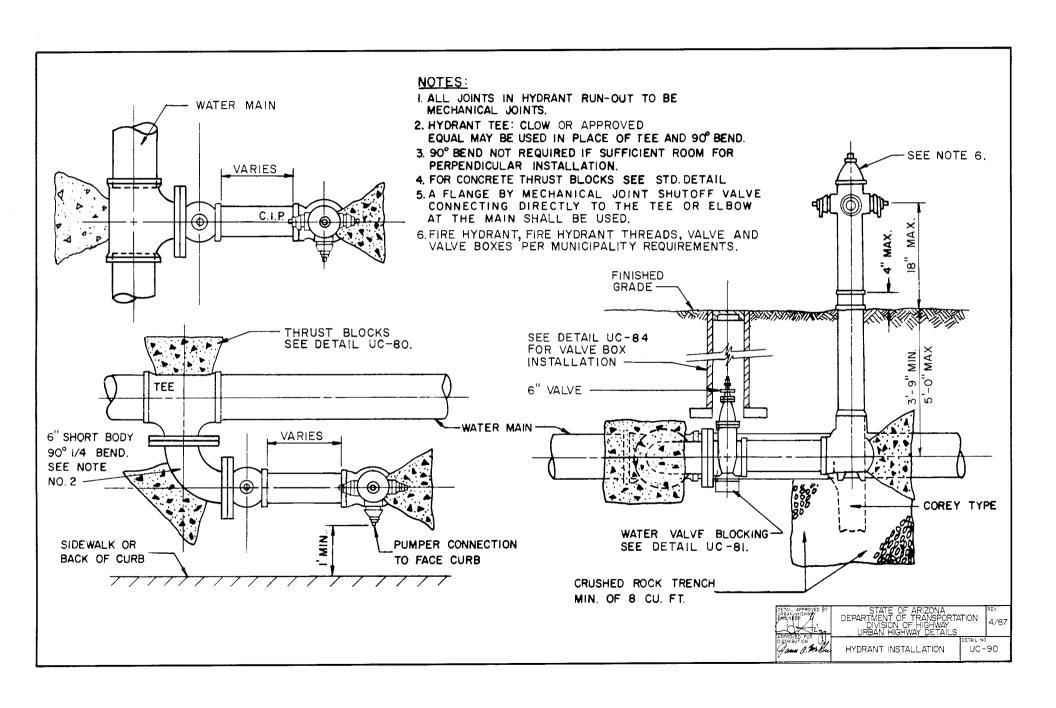


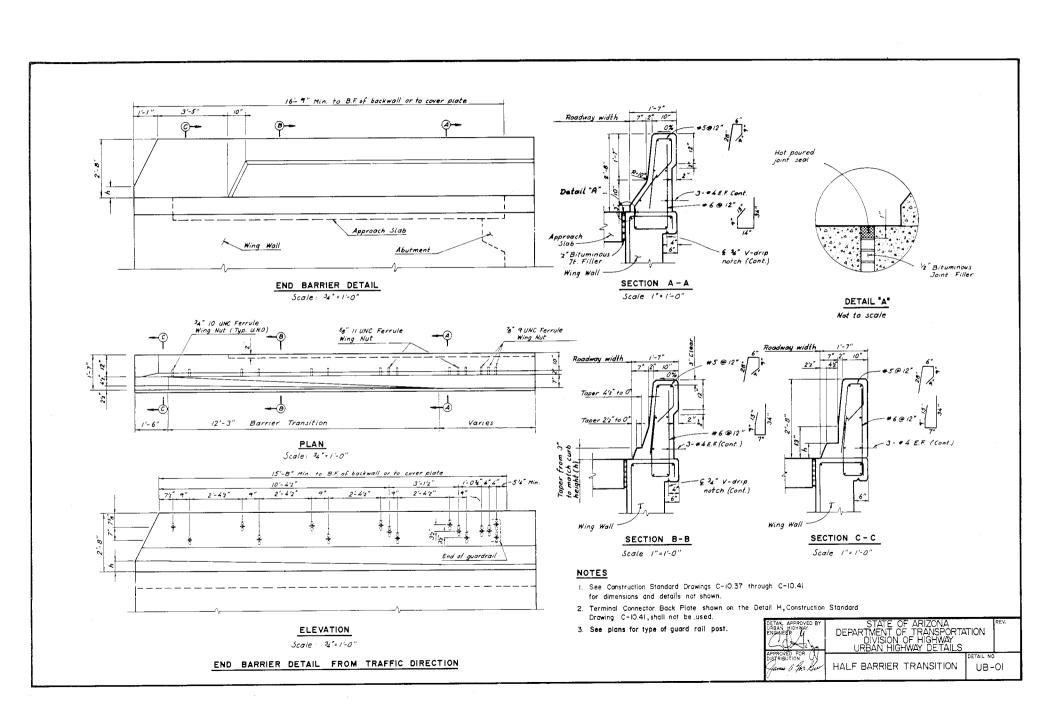


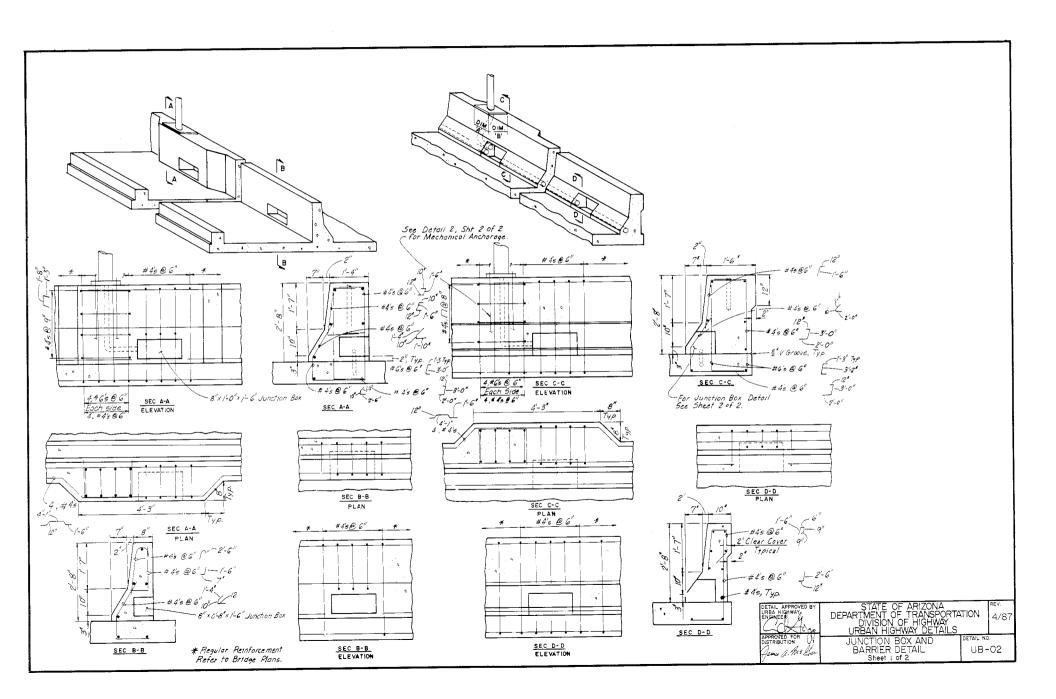
NOTES

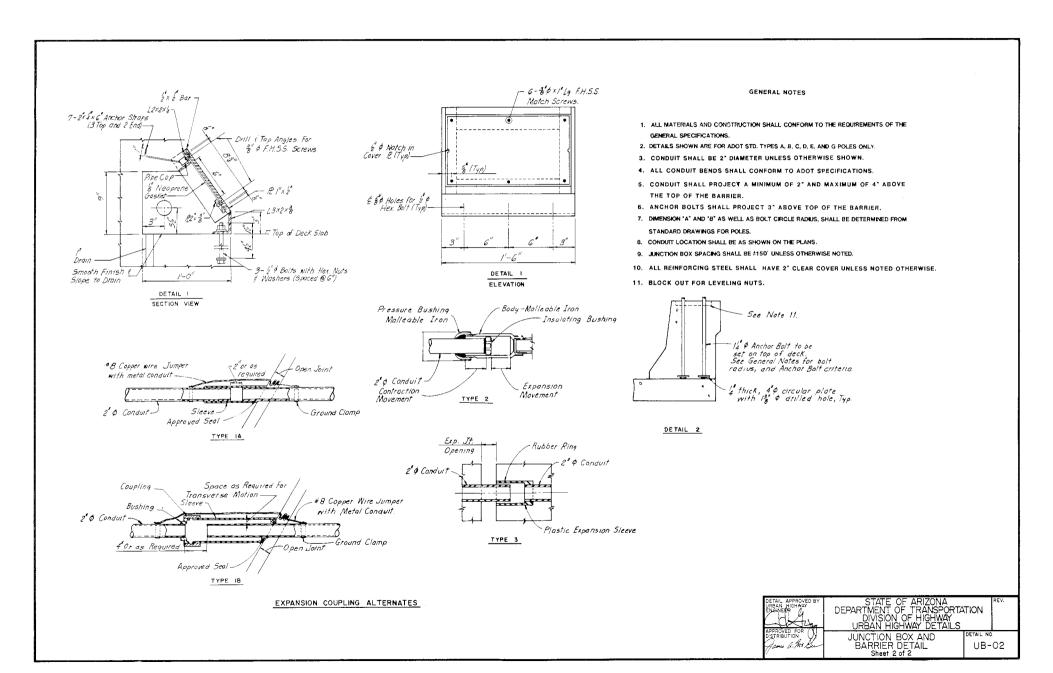
- I. CUT AND PLUGS MUST BE ADEQUATELY "DRY BLOCKED".
- 2. DRY BLOCKS SHALL BE STANDARD SIZE SOLID MASONRY CONCRETE BLOCKS. (ASTM C-139)
- 3. THE QUANTITY AND ARRANGEMENT OF THE BLOCKING MUST WITHSTAND LINE PRESSURE BY HOLDING THE CAP OR PLUG IN POSITION.
- 4. DRY BLOCKING SHALL BE PROPERLY SHIMMED TIGHT AND SECURE AGAINST THE CAP BEFORE LINE PRESSURE IS RESTORED.
- 5. CONCRETE THRUST BLOCKS SHALL NOT BE POURED UNTIL LINE PRESSURE IS RESTORED AND THE CAP OR PLUG IS INSPECTED FOR LEAKAGE.
- 6. CONCRETE SHALL NOT BE POURED OVER ANY PORTION OF THE ABANDONED PIPE.
- 7. MINIMUM THRUST BLOCK AREA PER DETAIL UC-80.
- 8. WHERE A 4"OR LARGER LINE IS SPECIFIED TO BE ABANDONED, THE CUT AND PLUG SHOULD OCCUR AT THE SUPPLY MAIN TO AVOID CREATING AN UNUSED DEADEND LINE.

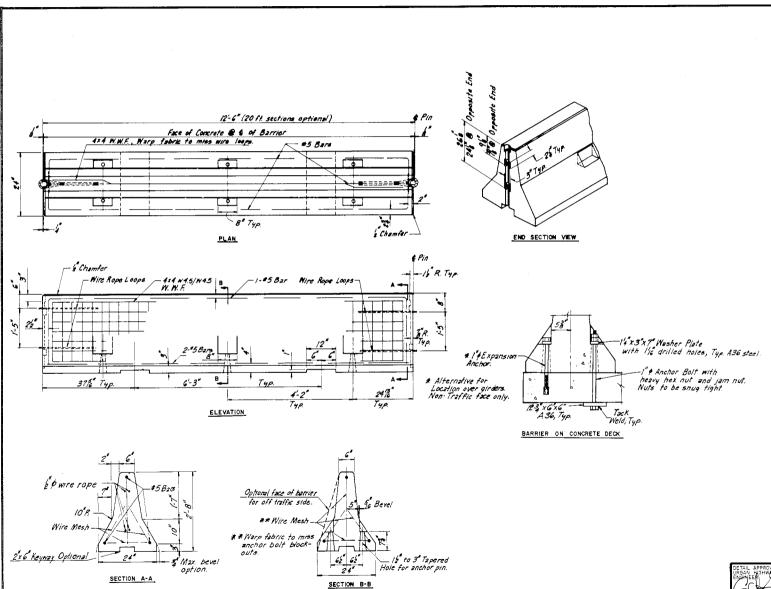
DETAIL APPROVED BY	STATE OF ARIZONA	REV.
RBAN HI GHWAY	DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	4/87
DISTRIBUTION OF COMME	WATERLINE-CUT AND PLUG FOR UC	-89







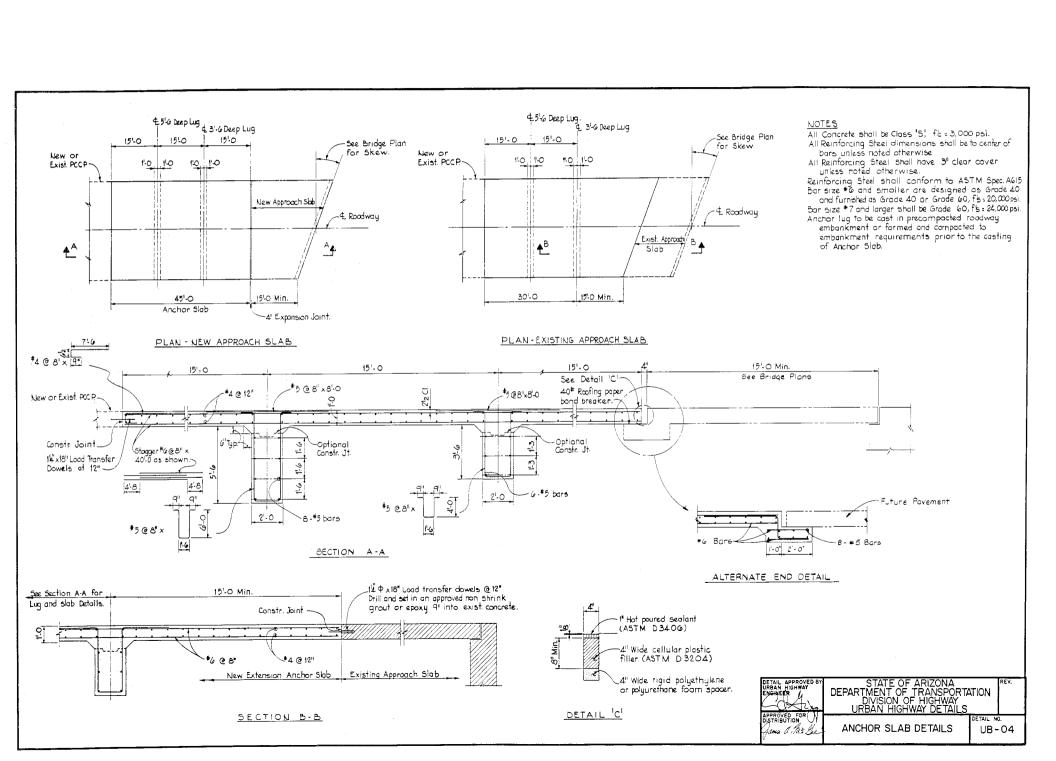


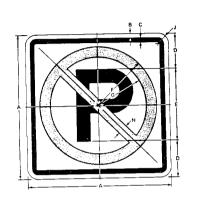


BOTES

- Place concrete barrier on 1" Styrofosm ped. Fed shall be 2" x 32" centered on joints.
- 2. Install Type BM-1 or BM-2 berrier delineator at 25 ft. spacing.
- The connecting pin, washer and nut shall be 1040 steel, heat treated according to A.S.T.M. A-449 and hot dipped galvanized according to A.S.T.M. A-153. For connecting pin details, see Std. 4-0-2.01.
- The wire rope shall be 1/2°9-6x19 Independent Mire Rope Core-For wire rope details, see Std. 4-C-2.01.
- 5. Concrete 28 Day Strength f'c = 4,000 p.s.i.
- Melded wire fabric (M.W.F.) shall conform to the requirements of AASHTO M55. (A.S.T.M. A-82.66 + A-185.69)
- 7. All bolts, washers, and nuts shall be ASTM A-325.
- All structural steel shall be ASTW A-36, unless noted otherwise.

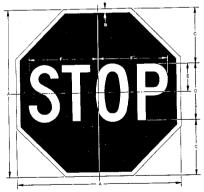






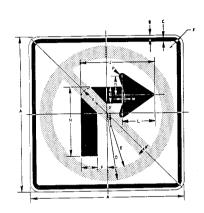
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SIGN	Α	В	C	D	E	F	G	Н	J.	K	L	M	N	Р	Q	8
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IRBAN MINASTD	12	3/8	3/a	3	EE(M)	4 %	3 %	1	11/2			_	_	<u> </u>		1_
URAL	24	3/8	5/8	6	IZE(M)	10 /2	8 1/2	2	11/2			!	! _	_	1_	╙
EXPWY.	36	5/8	7/8	. 9	REE(M)	1534	1234	3	21/4	i			<u> </u>			Ļ
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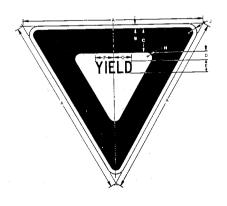
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SIGN	Α-	B	C	D.	E	F	G	H	J	K	L	M	N	Р	Q	R
BIKE	18	3/	6	60	3	734		Ľ				1	L		ļ	
MIN.	24	3/8	8	8¢	4	10			1	<u>L</u>	<u> </u>	_	_			Ŀ
STO.	30	3/	10	100	5	2 2	Ξ.		Ĺ	L	1		ـــــ	! _	<u> </u>	
EXPWY.	36	7/8	12	12C	6	15		١.	Γ		L				ļ	
SPECIAL	42	T.	14	14C	7	1742				L.,			<u>_</u>		<u> </u>	ļ
SPECIAL	48	1 1/4	16	160	8	20	Г	ĺ				L			L.	L

RI-I



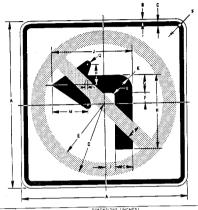
	_			DIMENSIONS (INCHES)														
SIGN	Α.	В	С	D	E	F	G	Н	J	K	L	М_	N	Р.	Q.	R		
B:KE		Ε.	_	Π.		<u> </u>					_				_	├		
MIN.	24	3/8	5/8	10 1/2	8 1/2	1 /2	21/2	101/2	111/2	2	4 15/15	3/8	274	72	_	ــــ		
STD.	24	3/8	5/8	104	84	1 1/2	2 42	101/2	11 42	2	5 Y4	3/8	3	1/2	_	╙		
SPEC/AL	30	1/2	3/4	3 1/2	10 %	17/8	31/B	31/8	141/2	2 /2	6 3/g	1/2	35/8	78	ļ	1		
EXPWY.	36	5/8	7/8	1534	12 74	244	33/4	153/4	174	3	7 ⁵ /8	9/16	45/je	3/4	Ĺ.	L		
SPECIAL	48	3/4	11/4	21	17	3	5	21	23	4	:01/8	3/4	5 3/4	<u> i</u>	ļ			

R3 -1



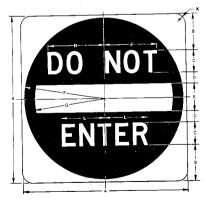
		DIMENSIONS (INCHES)														
SIGN	A	8	ć	TD	E_	F	G	H	J	K	L	м	N	Р.	Q	F
BIKE I	24	3/8	3	13/8	20	3/4	3	⁷ /8	11/2				_	L	_	L
MIN.	30	5/8	4	14,	21/20	315%	3 %	7/8	11/2			_	<u></u>	_	<u> </u>	Ļ.
STD.	36	34	5	2	3C	41 he	448	14	2		┖.	_	<u> </u>		L	╀
EXPWY.	48	3	6	24	40	61/4	5%	2	3			_		_	<u> </u>	1
FWY.	60	11/2	8	31/2	50	7 7 ₈	71/4	21/2	4	L	<u> </u>	_	⊢_	_	!	Ł
SPECIAL				T_		l		L		_	<u>L</u>		ا		L.,	L

RI-2



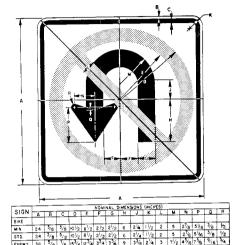
	_		_			_	DIME	NSION	SUND	HES)						
SIGN	A	В	ć	''D_	Ε	F	G	Н	J.	K	L	M	N.	ρ	Q	R
BIKE					i						L	L	_			-
MIR.	24	3/8	5/8	101/2	81/2	1 1/2	21/2	101/2	111/2	2	/2	5/16	°₹	234	1/2_	_
STD.	24	3/g	5/g	101/2	81/2	11/2	21/2	101/2	111/2	2	1/2	51/16	3/8_	3	1/2	L
SPECIAL I	30	1/2	3/4	13 1/8	10%	17/8	3 1/8	13 1/8	141/2	21/2	5/8	63/8	1/2	3 %		L.
EXPWY.	36	5/8	7/8	153/4	123/4	21/4	33/4	153/4	171/4	3 .	3/4	7 ⁵ /8	%6	45/j6	3/4	_
SPECIAL	48	3/4	11/4	21	17	3	5	21	23	4_	正	0./8	3/4	53/4	-	ĺ_

R3-2



							DIME	MSION	S (IN	:HES)						_
SIGN	Α	В	С	D	E	F	G	H	J	K	, L	_м_	N	P_	9	R
BIKE							L		<u> </u>		L	_	_	<u> </u>		├-
MIN.	30	6 /2	4D	2	5	14/2	12 1/2	9 3/4	10	1/8	7 %		₩	-	<u> </u>	⊢
STD.	30	61/2	40	2	5	141/2	121/2	9 74	10	17/0	7 4		L	_	-	
EXPWY.	36	7 V2	50	21/2	6	171/2	15	12	12 7	21/4	913/6		\vdash		ــــ	↓_
FWY.			Ī			Τ.			L_	辶	_	_	Ļ.	!	L.,	<u> </u>
SPECIAL	48	111	60	3	8	23/2	20	141/2	15	3	1174	L.,		<u> </u>	_	_

R5-I



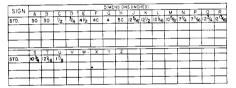
R3-4

NOTES:

- L) COLOR OF SIGNS SHALL BE AS FOLLOWS:
 - a)R8-3a, R3-1, R3-2 & R3-4 CIRCLE & DIAGONAL-RED (REFLECTORIZED) SYMBOL, BORDER, LEGEND-BLACK (NON-REFLETORIZED) BACKGROUND-WHITE (REFLECTORIZED)
 - b.) RI-I, RI-2 & R5-I LEGEND - RED (REFLECTORIZED) BACKGROUND - WHITE (REFLECTORIZED)
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE RI-I(A")

ETAIL APPROVED BY	STATE OF ARIZONA		REV.
NGINEER G	DEPARTMENT OF TRANSPORT	AHON	l
(C) C/2/2/2	URBAN HIGHWAY DETAILS		l
PPROVED FOR ()		DETAIL N	O.
A. A. a. W	REGULATORY SIGNS	LISM	-0





R3-7R



						DIME	NSION	S (INC	HES]						
A	В	С	0	E	F	G	H	J	K.	L	M	N	Р	Q	8
30	V ₂	3/4	41/2	4C	4	50	119/16	121/8	iO	105/8	71/4	71).6	:21/4	103/4	10
_		_		-		1	7		L				L.	Ļ	
17/8	Ė	-	·	Ë		Ė	_	-				F	-	-	F
\vdash	-		1	\vdash											
	30 S	30 V ₂	30 V2 3/4	30 ½ ¾ 4½ S T U V	30 V ₂ 3 ₄ 4V ₂ 4C	30 ½ ¾ 4½ 4C 4	A B C D E F G 30 1/2 3/4 41/2 4C 4 5C	A B C D E F G H 30 V ₂ 3 ₄ 4V ₂ 4C 4 5C 119 ₁₆	A B C O E F G H J 30 1/2 3/4 41/2 4C 4 5C 11946 121/8	30 V ₂ N ₄ 4V ₂ 4c 4 5c 119 ₁₅ 12V ₈ 10	A B C O E F G H U K 50 50 10 10 10 10 10 10 10 10 10 10 10 10 10	A B C O E F G H V X L M 30 1/2 3/2 4/2 4C 4 5C 119/2 2/3 10 05/2 7/2 S 7 U V W X Y Z	A B C O E F G H J K L M N 30 V ₂ S _A aV ₂ ac 4 5c 0 S _B 2V _B to 05g 7/g 7/kg 8 7 U V W X Y Z	A B C D E F G N J K L M N P 30 1/2 3/4 4/2 4C 4 5C 113/6 12/16 10 105/6 7 1/4 7 1/6 12/4 8 7 U V W X Y Z	A B C D E F G N J K L M N P D O S O K S S O S O S O S O S O S O S O S

R3-7L



SIGN							DIME	NSION	SIINC	HES?						
31014	A	В	C	0	C	F.	G	н	J	К	L	M	l N	P	ď	R
MINASTO	18	24	3/8	5/8	21/2	50	11/2	41/2	51/2	614	65/6	6%	6 %	2 1/4	6	5 %
SPECIAL	24	30	3/8	¥β	3	60	17/8	6 ¹ /16	71/16	71/4	71/2	7%	81/4	3	8	73/4
		_		\vdash		-					\vdash		-	-		-
	\$	Y	U	V.	w	X	Y	Z								i
MENLE STO	11/2	49/8	3/8	29%	7/16			7			l		L			1
SPECIAL	11/2	6 ½	1/2	3/16	9/16					ļ		_	<u> </u>	<u>Ļ</u>		<u> </u>
				ļ	_	_	<u> </u>	⊢-		-	├-		-		-	⊬
		<u> </u>			L	L				_	Щ.	Ц	1	<u> </u>		1_

R6 −2R •R6 −2L



LEGEND - BLACK (NON-REFLECTORIZED)
ARROW & BORDER - WHITE REFLETORIZED
BACKGROUND - BLACK (NON-REFLECTORIZED

							D:ME	NSICH	S (INC	HESI						
SIGN	A	В	C	D	E_	F	G	Н	J	К	L	M	N	Р	. q	R.
BIKE				Γ								L.	_			_
MIN.			_													
STD.	36	. 12	40	1/2	2	71/2	11/2	95%	9 1/8	11/4	3	33/8	2 1/8	11/2	81/2	1/1/16
EXP#Y.	_	Ī											_			L
FWY.	i				i	i	Γ.			Ĩ			<u> </u>	<u></u>	1	
SPECIAL						Τ.	i		ľ		i	ļ	İ			

R6-IR



SIGN	1						SMIC	NS ON	SIINC	HES)						
210 N	Α	9	Ç	D	E	F	G	H	J.	K	L.	М	N	P	Q	R
STD.	30	36	3/4	¥2	4	49	2	115/8	121/4	81/4	8∛ ₁₆	12	11/16	7/16	1/2	io%
																_
STD.	10 ⁹ / ₆	61/2	10	ю%6	17/8	×	Ť	Z								-
				-	-			-	_	-	_	_	-	-	_	-

R5-10a



						NOM	NAL I	DIMEN	SIONS	(INCH	ES)					_
SIGN	A	В	C	D	E	F.	G	H	J	_K_	L	M	N	Р	_و_	R
BIKE		_					<u> </u>	L.				┷-	_			
MIN.	_															
STD.	36	12	2	1/2	S	71/2	11/2	97/8	91/8	11/4	3	33/e	25/8	1/2	81/2	11/16
EXPWY.						ï		<u> </u>	<u></u>	i		1_			<u> </u>	
FWY.						L	_		_	L_	_	-		_	1	
SPECIAL						1			١							_

R6-IL

NOTES:

- i.) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS, EXCEPT AS NOTED OTHERWISE LEGEND - BLACK (NON - REFLECTORIZED) BACKGROUND - WHITE (REFLECTORIZED)
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - R6-2R (A" x B")
- 4.) * ARROW DIMENSIONS ARE OPPOSITE

STATE OF ARIZONA

M HIGHWAY

DEPARTMENT OF TRANSPORTATION

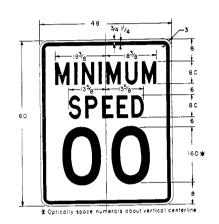
DIVISION OF HIGHWAY

URBAN HIGHWAY DETAILS

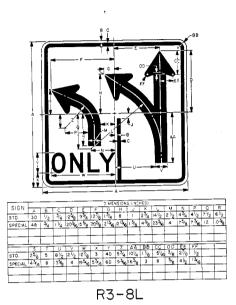
OVER DEFAULT ATTOMY. CICAGO.

REGULATORY SIGNS CROSS STREETS ONLY

USM-02



R2-4



35 V2"

15 V2"

15 V2"

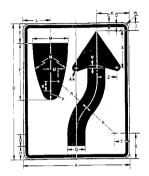
13 V2"

14 V2"

15 V2"

15 V2"

R3-8R



							DIME	SION	S (INC	HES]						_
SIGN	A	8	C	0	E	F	G	H	J	K		W	N	Р	Q	LR.
M.N.	18	24	3/8	5/8	33/g	93/8	17/B	21/4	13/8	51/2	41146	6	221/2	11/2	3	6 3/
STD.	24	30	3/0	5/0	41/2	121/2	2 45	3	17/9	73/8	61/4	8	30	2	4	9
EXPWY.	36	48	5/8	7/8	63/4	183/2	33/	4 1/2	213/6	111/8	93/8	12	45	3	6	131/
FWY	48	60	3/4	11/4	9	25	5	6	33/4	1413 ₆	:21/2	16	60	4	8	18
	S	7	U	V	W	X	Ϋ́	- 2	AA							\Box
MIN.	41/8	21/4	11/16	7/16	1 1/2	6 1/8	7/.6	3/2	9/16							1
STD.	51/2	3	13/A	2134	11/2	81/2	5/8	448	13/18	Ε			1			
EXPWY	8 1/4	41/2	2	23/4	21/4	12%	15/16	6%	13/16						_	L
FWY	111	6	211/4	5	3	61/2	TV4	93/6	15/3						ĺ	1

R4-7



*	PTIC	ALL	Y SP	ACE N	UME	RALS	3 A	OUT Y	VERTIC	AL CEN	TERLIN
					_	DIMENS	EMC	CHCHES			
#16M			c	٥	E	F		н	1	K	\ L_
EXPWY	36	48	5/A	7/8	6	68	5	14 E	21/4	143/8	11
FRWAY	48	60	3/4	11/4	8	8E	6	16E	3	19√8	14 78
MIN	18	24	3/8	5/9	3	3E	2	8E	11/2	73/16	51/2
STD	24	30	3/8	5/8	4	4 E	2	IOE	11/2	9%6	75/je

R3-8L (SPECIAL)

•R3-8R (SPECIAL)

NOTES:

- COLOR OF ALL SIGNS SHALL BE AS FOLLOWS: LEGEND & BORDER - BLACK NON-REFLECTORIZED BACKGROUND - WHITE REFLECTORIZED
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE R2 -1 (A"xB")
- 4.) @DENOTES OPPOSITE HAND DIMENSIONS.

DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	ATION REV.
APPROVED FOR DISTRIBUTION	REGULATORY SIGNS	USM-03

R2 - 1



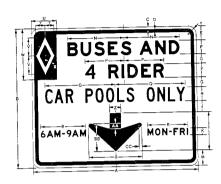
										*1	NCRE/	SE	SPACI	NG IC	0%	_
				_	_		DIME	NSION	5 (IN	CHES)						
SIGN	A	В	C_	D	E	F	Ğ	H	J	K	T.	_M_	N.	P	9	R
BIKE						Ĺ.,		_	_	L_		_	١_	٠	-	-
MIN.	30	42	1/2	3/4	3 1/4	48	2	4C	11/4	71/2	10%	6	8 74	1 1/a	344	1 1/2
STD.	30	42	1/2	3/4	3 1/4	48	2	40	11/4	742	10%	6	8 %	11/8	3 %	1 %
EXPWY.	36	60	5/8	7/8	41/2	68	3	60	2	10	15 1/2	9	101/2	1 1/2	5_	2 4
FWY	48	84	3/4	14	6	88	4	80	3	15	20%	12	14	21/4	7 V2	3
SPECIAL	-	-	T -	_			\Box					į	1			

R3-I0



-	_	_					DIME	NSION	SIN	HES)						
SIGN	A	В	C	D	E	F	G	H	J	K	L	M	N	Р	Q	R
BIKE										_	L.	_	<u> </u>		3.	
MIH.	30	42	1/2	3/4	31/4	48	2	4C	11/4	71/2	10%	6_	6 1/2	1 /8	3 %	1 48
STD.	30	42	1/2	3/4	34	4B	2	4C	11/4	71/2	(0 ³ / ₈	6	6/2	ΙÝg	3 %	1 %
EXPWY.	36	60	5,	7/8	41/2	68	3	60	2	10	15 1/2	9	9 74	11/2	5_	2 /4
FWY.	48	84	3/4	11/4	6	88	4	80	3	15	20%	12	13	2/4	7/2	3
SPECIAL	_	\vdash			Ī.,_	ì			L_{-}	L_	نے یا				L	

R3-12



FWY.	32	6	18	12	36	2	6	6 %	3	16	<u> </u>		-	\vdash	-	\vdash
EXPWY	24	5	15	10	30	11/2	5	5146	298	14	7/8	_	⊢		⊢	+
MIN 8 STD	24	4	11	8	22	11/4	334	41/2	2/16	11/46		<u> </u>	+-		-	⊢
	S	T	U	V	₩	X	Y	Z	AA.	88	ÇÇ		I -			F
FWY.	108	84	11/2	2	10	10 D	6_	100	-	-		_	1			
EXPWY.	96	72	1 /4	13/4	8	80	6	BC	41/2	4C 5C	22	-6	39	27	51	VAR
MINASTO	72	60	1	11/2	6	6 D	4	60	41/2		161/2	-	31/2		41	VAR
SIGN	A	В	C	D_	Ē	F	Ģ	Ή	١, ١	K	4	М.	2314	P 161/5	31	VAR

R3-14



R2-5a



											REDI	JCE 5	PACI	NG 5	0%	
		_	_				DIME	NSION	\$ (INC	HES)						_
SIGN	Α.	В	С	ď	ΓÉ	F	G	Н	J	K	L.	X	N	P	9	R
MINASTO		36	5/	7	54	6C	31/2	60	42	24	12	6	2	17	9 %	3 /g
EXPWY.	84	48	1/4	14	7	BC.	5	80	54	30	16		2 /2	22 /2	12.5	17 916
FWY.	102	60	1	11/2		юс	•	100	66	36	20	10	3	28	16	213/4
							L.	<u> </u>		L	<u>L</u> .	<u> </u>	<u></u>	L	<u> </u>	<u> </u>
	\$	7	U	Ţν	W	X	Y	_Z_				μ	Τ-	_	┡	⊹ —
MIN 8 STD	21/4	Ĺ.,	L.				_	_		_	⊢	<u> </u>	-	-	⊢ −	
EXPWY.	3			<u> </u>	L_	L.,	┖	_	L	╙	<u> </u>	-	ļ.	- -	-	₩
FWY.	33/4	Ε.		Ι	L_	<u>L</u>		L_	1	1	₩	├	╀-	╌	-	┼—
			Т	7		i	1	1	ĺ	1	1	i	1	1	1	

R3-I3



										*	REQU	CE S	PACIN	3 50	%	
	_	_	_	_			DIME	HSKON	S (INC	HES)						_
SIGN	A	В	C	0	E	F	G	н	J	Γĸ.	Ľ	М	N.	P	٩	R
MIN & STO	66	36	5/8	7/8	51/2	60	34	60	42	24	12	6	2_	17	978	93/4
EXPWY	84	46	3/4	11/4	7	BC	5	80	54	30	16		2 /2	22/2	1234	13
FWY.	102	60	744	11/2	9	100	6	100	68	36	20	10	3	28	16	15 1/4
· W C	102	100	١÷	. /2	+-	1.00	Ť		+	+-	_		1			
	Ш.		L	L.	Ь.	느	느		<u> </u>	-		! =	- -	=	=	- -
	S	1	U	V.	₩	X	Y	, Z	⊢ −	⊢-	-	-	+	-	┼	
MIN 8 STD	21/4	Γ.		<u> </u>		_	L_	L	!	1	↓—	-	+	₩		-
EXPWY.	3		П.			L_	<u>L</u> -	┺	<u> </u>	ـــــ	Ļ.,		╀	 -	├ -	-
FWY	33/		T	ī	T	1					<u> </u>		1	١	_	1
-		-		_	-		-		Т	T	1	1		1	1	1

R3-I5



CURBILEFT

RIGHT TURNS

SIGN A M.N.BSTD 30 EXPWY 42	_	C 1/2	0	€	Г				HES)						
EXPWY 42	_	1/2	2.			G	H.	J	K	T.	М	N	P	1 9	R.
EXPWY 42			3/4	21/2	30	2	40	11/2	20	3	143/8	35,8	12	2	VAR.
	60	5/8	7/B	4	4D	. 3	6C	2	30	3	19 l/g	12-74	18	8 1/4	VAR.
FWY: 54	84	3/4	11/4	5	6D	4	80	3	40	6	2834	91/2	24	11	VAR.
1 8	+-	1 0	V	W		Ļ.	Z	H		-	Ħ		=		
AV CTEBUL	R 2 1/2	5	3/4	17g	10	87/8	48	<u> </u>		L	_			<u> </u>	-
EXPWY VA	R 33/4	742	ίν _ε	21/4	:33/8	113/4	68			L	L		_	<u> </u>	<u> </u>
FWY. VA	R 5	10	1 1/2	3	20	:73/4	8B	1	ļ_	+	+	_	_	-	-

LEGEND - BLACK NON-REFLECTORIZED

BACKGROUND - BLACK BACKGROUND - WHITE REFLECTORIZED

R3-11

NOTES:

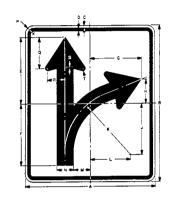
- I.) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS, EXCEPT WHERE NOTED OTHERWISE LEGEND - BLACK (NON-REFLECTORIZED) BACKGROUND - WHITE (REFLECTORIZED) SYMBOL - REFLECTORIZED WHITE ON BLACK
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - R3 - 10 (A" x B")

ETAIL APPROVED BY	STATE OF ARIZONA		REV.
NGINEER	DEPARTMENT OF TRANSPORTA	AI ION	
-CX take	URBAN HIGHWAY DETAILS		
PPROVED FOR		DETAIL N	0.
James a Mr. Lu	REGULATORY SIGNS	USM	-04



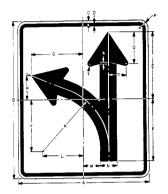
	1						CIME	NS ON	SONC	HES!						
SIGN	۵.	I B	(0	E	F	G	H	J	K	L	M	N	P	Q	8
STD.	30	36	1/2	3/4	18	5 %	21/2	60	33/4	91/4	111/4	51/4	91/2	8 1/4	33/4	33/4
SPEC AL	48	60	3/4	11/4	30	7	€34	100	61/4	11/4	16	9	9 1/4	13%	234	51/2
	Ľ.,_		<u> </u>			_			_	-	١	_	<u> </u>	<u>. </u>	-	<u> </u>
	<u> </u>	í	L	L.	<u> </u>		<u> </u>	<u> </u>	L	<u> </u>	_	<u> </u>	<u> </u>	<u> </u>	Ļ	Ļ
	S	T	U	-V	W	Τ×	Y	_ Z		<u> </u>	_			-		-
STD.	3%	ιόξε	109/6	176		43/4		ì					<u>L</u>	_		
SPECIAL	374	2014	20%	3	:07	6/16	12/6	<u> </u>								
				-	i -	1					_					
	_	—	_		_	1	1									

R3-5L ⊛R3-5R

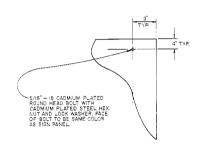


CICN				-			D)ME	NSION	SUN	HES)						
SIGN	A	В	С	D	E	F	Ģ	H.	J	K	Li.	М	N	Ρ	Q	R
BIXE					Ī		;									
SPECIAL	48	60	3/4	14	211/2	so	167g	73/4	153/4	20%	1234	478	51/2	3	10%	64
STD.	30	36	1/2	3,	153/8	141/4	113/4	598	111/4	141/2	87/a	37/8	31/2	17/8	7 Ve	4
	S	T	_	Τ,												
STD	9/16	14/16					i — —									
SPECIAL	134.	11/10														

R3-6R



							DIME	NSION	5 (IN:	CHES1						
SIGN	Α	В	C	D	E	F	G	H	J	K	L	M	- N	Р	Q	R
BIKE					1		İ			l						
SPECIAL	48	60	3/4	11/4	21/2	20	167 ₈	7.7/4	153/4	20%	123/4	478	5/2	3	10 %	61/6
STD:	30	36	1/2	3/4	15 ³ /8	141/4	11134	5 ½	111/4	141/2	8 %	3 %	31/2	17/8	7 ½	4
	S	Ť		1				Г							Ĺ	
STD	9/16	11/16			-											
SPECIAL		1 1/16		Ī		_		1				i .			İ	

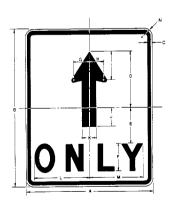


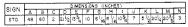
BOLT SPACING DETAIL 4'x5' SIGN PANELS



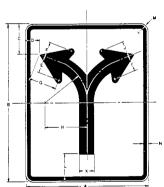
0101	_						DIME	NSION	S (INC	HESI						
SIGN	A	В	C	ĺĎ	ξ.	F.	G	Н	J	K	L.	M	N.	р	Q.	R
BIKE			Ī								L .	_			<u> </u>	
MIN.	30	18	5/8	3	50	2	11/16	611/16	11/2			L	!			
STD.	36	24	3/4	41/2	60	3	135/16	8 46	11/2			L				
EXPWY.							1									
SPECIAL	72	48	1	71/2	120	9	26 Ye	161/8	3	[<u> </u>						
SPECIAL	42	30	7/8	5	80	4	17 %	10 %	17/8		T'	-				

R5-la





R3-5S



R3-5L & R

APPROVED FOR DISTRIBUTION

NOTE

STATE OF ARIŽONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS

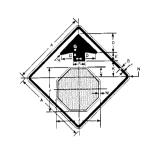
1) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS, EXCEPT WHERE NOTED OTHERWISE: LEGEND & BORDER-BLACK NON-REFLECTORIZED BACKGROUND - WHITE REFLECTORIZED

3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - R3-5L (48" x 60") 4.) ARROW DIMENSIONS ARE OPPOSITE HAND.

2.) DIMENSIONS ARE NOMINAL

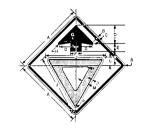
REGULATORY SIGNS FOR OVERHEAD STRUCTURES

USM-05



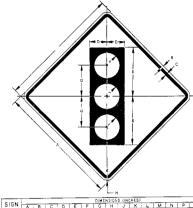
					_		D.ME	45:05	S (IN	HES)						_
SIGN	A	8	C	D	E	٤	Ğ	H.	J	K	T-L	M_	N.	Р.	Q	.R
BIKE				T	1											1_
MIN.	30	1/2	3/4	71/2	33/4	5	5/g	5/,6	15-74	61/4	2½	1/2	176			1
STD.	36	5/8	7/a	: 9	41/2	6	3/4	3/8	19	71/2	31/2	5/8	21/4		<u>_</u>	╙
EXPWY.	-			Π.					<u> </u>				1		_	_
FWY.			_									_				
SPECIAL	48	3/4	11/4	12	6	8	1	1/2	251/2	10	41/2	34	3			

W3-la



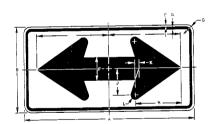
							DIME	NSION	S (IN	CHEST						
SIGN	A	В	C	D	Ε	F	G	н	J	K	L.	M	N	P	Q	L.R.
BIKE							l			L						ļ.,
MIN	30	1/2	3/4	71/2	376	5	5/8	5/5	25	61/4	3	3 %	1/2	11/4	3∕8_	1 %
STD.	36	5/8	7/8	9	442	6	3/4	3/8	28	71/2	33/8	33/4	5/8	13/8	3/4	12 1/2
EXPWY.								L			_					<u> </u>
FWY.			Г	ĺ							_		_	_		ļ
SPECIAL	48	3/4	11/4	12	6	8	. 1	142	38	10	4 1/2	5	74	178	1_	3

W3-2a

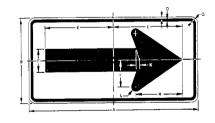


											_			_		
SIGN				_	-		DIME	NSION	5 (IN	CHEST		1	T 61	P	1 0	ī R
3101	Δ	<u>. B</u>	į Ç.	_ D	_ E_	F	Ģ.	I H	٠	K		M	LN.	₽.	14	
B∶⊀E	18	3/8	5/ ₈	, 3	8	21/4	5	1/2		1			i	<u> </u>		
H'4.	30	1/2	3/4	5	1374	3%	89	17/8			╙	1	1	<u> </u>	╙	
STD:	36	5/B	7,8	534	15 %	4/4	10	21/4		Ĺ.,			ــــ	Ļ.		_
EXPWY.				Ι.	i		I	i	L	<u></u>	L.	\perp	↓	L.		L.
FWY		Ī				i.	l			_			<u> </u>	<u>L</u> .		L
SPECIAL	48	3	11/4	71/2	20	5	12/2	3		!	3				L.,	1_

W3-3

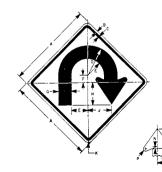








⊕WI-6L



	DIMENSIONS (INCHES)															
SIGN	A	В	.c_	D	[E_	F	G	н	J	K	L	×	N	Р	Q	R
BIKE			-			l		L.,_	Ш	L	\Box		_	L		
MIRL	24	3/0	3,	8	442	3	31/2	6 %	64	11/2	71/9	4	* 6	14 _{KS}		_
STD.	30	1/2	3/4	10	6	2 4	4	8	8	178	8 %	5	1146	7∕8		L
EXPWY.	36	3/4	7/8	12	7	176	5	91/2	91/2	24	lo ¹ kg	6	13/6	146	_	
FWY:		_										_	L			L
SPECIAL	48	3/4	T/a	16	9	11/2	7	123/4	12/2	3	141/4		11/46	13/6		ı

W2-8R ⊛W2-8L

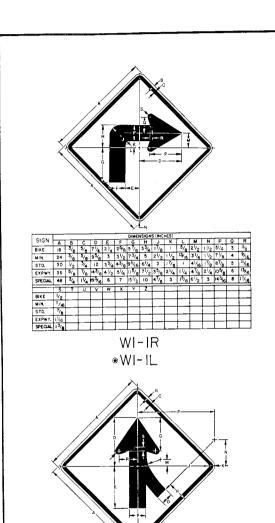
NOTES -

- L) COLOR OF SIGNS SHALL BE AS FOLLOWS:

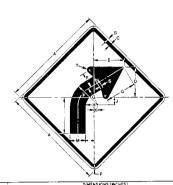
 - BORDER & ARROW BLACK NON-REFLECTORIZED SYMBOL WHITE BORDER ON RED BACKGROUND REFLECTORIZED
 - BACKGROUND YELLOW REFLECTORIZED

 - BORDER & ARROW-BLACK NON-REFLECTORIZED SYMBOL-RED BORDER ON WHITE BACKGROUND REFLECTORIZED BACKGROUND-YELLOW REFLECTORIZED
- c.) W3-3
- SYMBOL & LEGEND -BLACK NON-REFLECTORIZED TOP CIRCLE RED REFLECTORIZED BOTTOM CIRCLE GREEN REFLECTORIZED BACKGROUND YELLOW REFLECTORIZED
- d.) WI-7R, WI-6R, WI-6L, W2-8R & W2-8L LEGEND - BLACK NON-REFLECTORIZED BACKGROUND - YELLOW REFLECTORIZED
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - W3-3 (A") WI-6L (A" x B")
- 4.) @ DENOTES OPPOSITE HAND DIMENSIONS.

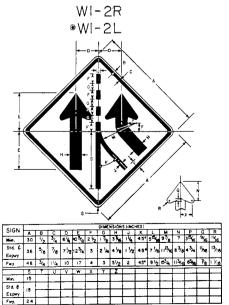
STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS 4/87 WARNING SIGNS USM-21



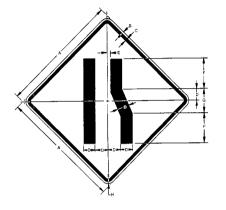
W-4-1



SIGN	Α	В	C	D	E	F	G	H	Ų	K	ΓĽ	М	N	ρ	O	R
BIKE	18	3/B	5/8	53/8	51/2	6	43/4	33/8	13/4	11/4	2	25/g	61/4	11/2	51/4	3
MIN.	24	3/8	5/8	71/8	71/4	8	61/4	41/2	211/32	13/4	23/4	31/2	81/4	11/2	7 // g	4
STD.	30	1/2	3/4	87/B	91/16	10	71-46	5 5/B	215/16	23/16	37/16	43/e	ο ₁₆	17/8	87/8	5
EXPWY.	36	5/8	7/8	105/8	107/8	12	93/8	63/4	31/2	25/8	41/8	51/4	23/8	21/4	ю5/8	6
FWY.	48	3/4	11/4	144	141/2	16	12/2	9	41/16	31/2	51/2	7	161/2	3	143/6	8
	Î	-	III	V	W	X	ΙΥ	7	$\overline{}$	$\overline{}$	T-					
BIKE	3/8	1/2				_	1		Г		 					
MIN.	9/16	11/16		\vdash			Ì				Γ"					
STD.	11/16	7/ ₈			-						I	Γ			i .	L
EXPWY.	13/16	11/16							L			L.	1			Ľ
FWY.	11/16	13/8			1		Т			1	1 -	i	ł –	_		1



W4-3

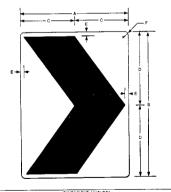


		DIMENSIONS (INCHES)														
SIGN	Α	В	C	D	E	F	G	H	J	K		M	N.	P	9.	R
BIKE		i	Γ		Į.	ŀ	· ·					_		_		
MIN.	30	1/2	3/4	378	13/16	8%	64	176.					<u>. </u>			
STD.	36	5/e	₹8	4	1	.10	6	21/4						İ	_	L.
EXPWY.	36	5 _{/B}	7/8	4	1	10	6	24			_	L				
FWY.	48	3/4	11/4	576	13/8	13%	10-7 _B	3			L					
SPECIAL		-		1			Γ.			I		L			<u> </u>	L



W4-2R

W4-2L



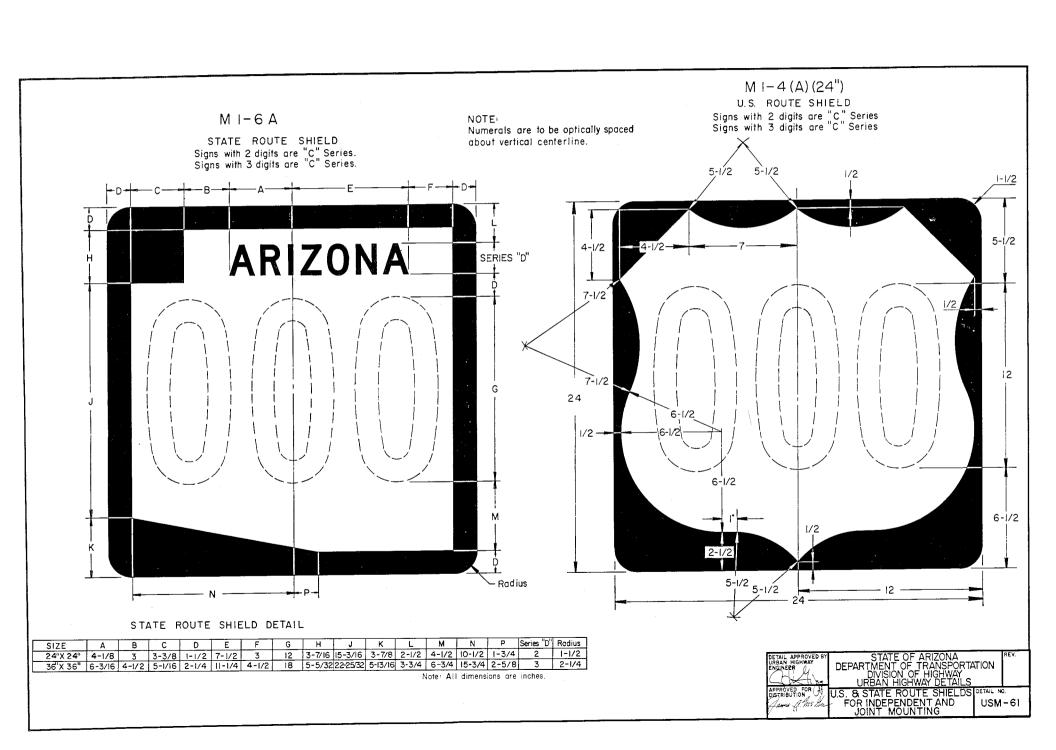
							DIME	NSION	S (INI	CHESI						
SIGN	A	Le	С	D	E	F	G	Н	J	K	L	М	N	P	•	R
BIKE				1_	i		l		L	<u> </u>		L.	_	_	<u>_</u>	L.
MIN.	12	18	6	9	1/2	1 1/2					<u> </u>	L		<u> </u>	L	_
STD:	16	24	9	12	3/4	11/2					L		<u>L</u> .			_
EXPWY.	30	36	15	18		1 %										
FWY	36	48	18	24	11/8	2 4					L		<u></u>	L		
SPECIAL	24	30	12	15	7/8	142			l –		Г					i

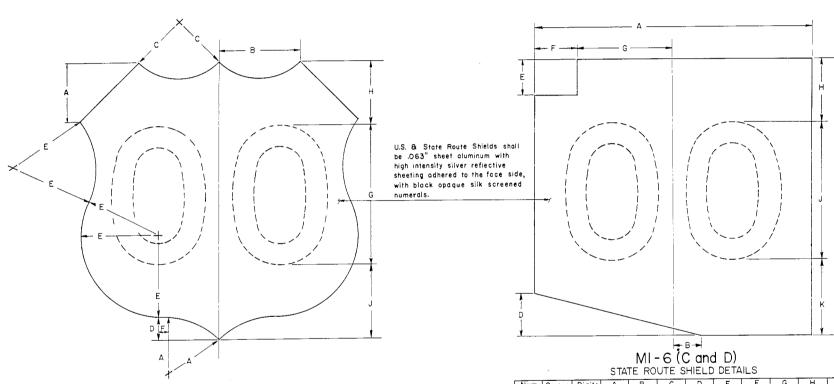
NOTES:

- I.) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS: LEGEND & BORDER - BLACK (NON-REFLECTORIZED) BACKGROUND - YELLOW (REFLECTORIZED)
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, $\begin{array}{c} \text{EXAMPLE-WI-IL } (\textbf{A}^n) \\ \text{WI-8} (\textbf{A}^n \times \textbf{B}^n) \end{array}$
- 4.) @DENOTES OPPOSITE HAND DIMENSIONS.

WI-8

DETAIL APPROVED BY	STATE OF ARIZONA		REV.
ENGINEER	DEPARTMENT OF TRANSPORTA	MOITA	
(dian.	DIVISION OF HIGHWAY		
	URBAN HIGHWAY DE IAILS		
APPROVED FOR ()		DETAIL N	0.
James a. Mis Los	WARNING SIGNS	USM	- 22





MI-4 (C and D)
U.S. ROUTE SHIELD DETAILS

Shield Size	Α	В	.C	D	Ε	F	G	Н	J
24X24	5	7	5	2	7	1	12 D	5!/2	61/2
30X24	5	10	9	2	7	4	12 D	51/2	61/2
36X36	71/2	101/2	7/2	3	10 /2	11/2	180	81/4	93/4
45 X 36	7/2	15	13/2	3_	101/2	51/2	18 D	81/4	93/4
48X48	10	14	10	4	14	2	24 D	- 11	13
60X48	10	20	18	4	14	, 8	24D		13

Num	Series	Digits	Α	В	С	D	Ε	F	G	Н	J	K
12	D	2	24	21/2	91/2	4	3	3/2	8/2	51/2	12 D	61/2
12	С	3	26	21/2	101/2	4	3	4	22	51/2	12 D	61/2
18	D	2	36	33/4	141/4	5 7/8	43/4	51/4	12 3/4	8 1/4	18 D	93/4
18	C	3	39	33/4	151/2	5 7/8	43/4	53/4	33 1/4	8 1/4	18 D	93/4
24	D	2	48	33/4	191/4	71/2	61/4	71/4	16 3/4	- 11	24D	13
24	Ċ	3	52.	33/4	22 1/4	71/2	61/4	8	44	- 11	24 D	13

NOTE:

All dimensions are in inches

DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	NOIT	REV.
APPROVED FOR DISTRIBUTION J. James a. Mrs Gu	U.S. & STATE ROUTE SHIELD GUIDE SIGN MOUNTING	USM	



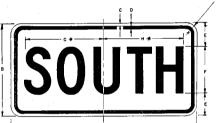
SIGN			DHAE	NSION	S (MC	HES)		
	A	В	c	ь	E	F	G	н
MIN B. STD.	24	12	3,	5/8	. 3	60	10	۱'n,
SPECIAL	30	15	34	5/6	3 /2	ac	123/8	172



RECUC	T SP	AÇING	3 20%	6 ST0	, a 50	% SI	PECIAL	SIZE
SIGN			DIME	NSIO	NS (IN	CHES)	
3.31		e	c	ь	E	F	G	н
MIN &	24	12	3/8	5/8	3	6C	9 %	11/2
SPECIAL	30	15	3/9	5/8	31/2	80	12 1/4	11/2

M4 - 4





SIGN			DINE	SONS	(INCH	ES)		_	
3/4/1	A	В	c	D	Ε	F	6	н	د
MIN. 8 STD.	24	12	3/8	5/8	3	60	10 /B	5 9 /8	17
SPE CIAL	30	15	3/8	5/8	31/2	вс	121/16	115/16	1/2

M3-3

			DIME	NSION	S. (INC	HES)		,	
SKIN	А	8	С	D	Ε	F	6	н	j
STD &	24	12	3/8	5/8	3	60	7	714	11/2
SPEC-AL	30	15	3/8	5/8	3 1/2	80	91/4	934	11/2

M4-6

					S (INC		IAL SIZ		
SIGN	Δ	В	С	D	Ε	F	G	н	J
STD B	24	12	3/8	5/8	4	48	911/16	9/16	1/2
SPECIAL	30	15	3/8	5/8	4 1/2	68	12 15/16	2 ⁷ / ₂₆	1/2

M4-1



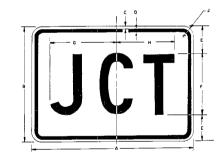
SIGN			DIME	SICH	S (INC	HES	_		
3.04	A	8	c	۵	Ε	F	G	н	J
MIN. B	24	12	3/8	5/8	3	60	7 5/8	8 %	į)
SPECAL	30	15	3/8	5/B	3 1/2	вc	ю 1/9	10%	ıħ

M3-2



			DIME	NSIGN	S (INC	HES:			
SIGN	A	8	c	0	Ε	F	6	н	J
STD. 8 MIN	24	12	3/8	5/8	3	6 E	5 5 _{/8}	5	11/2
SPEC/AL	30	15	3/0	5/0	314	8 E	71/2	65%	11/2

M4-5



В	WEST	/ # E-# F # E-#

			DIME	NSION	6 (IN	CHES)	
SIGN	А	В	С	D	E	F	G	н
MIN 8 STD.	24	12	3/8	5/8	3	6¢	8 ³ / ₈	1 1/2
SPECIAL.	30	15	3/8	5/B	3 1/2	8C	11 1/4	11/2

M3-4



		_	DIMEN	SIONS	(INC	(ES)		,	
SKH	A	a	c	D	ε	F	G	н	J
STD. &	24	12	3/8	5/8	4	48	9 1/2	95/8	11/2
SPECIAL.	30	15	3/6	5/0	5	58	11 7/9	21/6	11/2

M4-7

SIGN			DIME	NSION	SIINC	HESI		,	_
310M	А	8	c	0	E	F	G	н	J
MIN-8 STD	21	15	3/8	5/8	3	90	815/16	a 3/8	1 /2

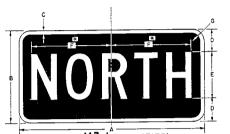
M2-1

NOTES:

- I.) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS: LEGEND AND BORDER - BLACK (NON-REFLECTORIZED) BACKGROUND - WHITE (REFLECTORIZED)
 OR AS NOTED IN PLANS
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - M3 - 4 (A" x B")

DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	MOITA	REV.
APPROVED FOR N DISTRIBUTION N Farma a Mila	DIRECTIONAL SIGNS FOR	DETAIL N	

DIRECTIONAL SIGNS FOR MARKER SIGNS

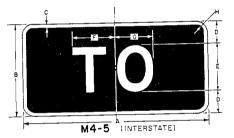


M3-I (INTERSTATE)

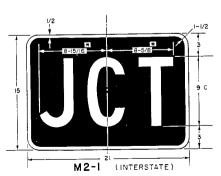
*Reduce spacing 25% for 30"x 15" size

**Use 30"x 15" size with 30"x 24" shield or with 36"x 36" shield

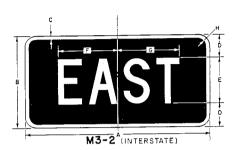
SIGN		DIM	ENSI	ONS ()	NCHE	(S)	
(MIN)	Δ	8	С	D	Ε	F	G
STD.	24	12	1/2	3	6 C	10-7/16	1-1/2
STD.**	30	15	1/2	3-1/2	8 C	13-1/8	1-1/2



	_		DIME	NSION	15 (NCHES	5)	
SIGN	Α	8	С	D	E	F	G	Н
STD. 8	24	12	1/2	3	6 E	5-5/8	5	1-1/2
SPECIAL	30	15	1/2	3-1/2	8 E	7-1/2	6-5/8	ı− <i>ν</i> 2

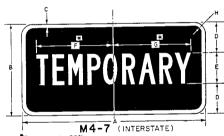


*Increase spacing 25%

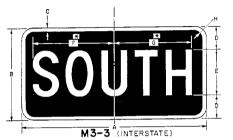


* Us	e 30"x 15" sıze	with	30" x 24"	shield o	r w <u>i</u> th	36" x	36"	shield
Γ	SIGN	DIM	ENSIONS	(INC	HES)			

SIGN		DII	MENS	IONS	(INC	HES)		
(MIN)	Α	8	С	D	Е	F	G	Н
STD.	24	12	1/2	3	6 C	7-5/8	8-1/8	1-1/2
STD.*	30	15	V2	3-V2	8 C	ID-1/8	10-7/8	1-1/2



×	Reduce s	pacin	g 20	%						
					NSIO	NS (INCHE	(S)		
	SIGN	Α	В	С	D	Ε	F	G	Н	
	STD 8.	24	12	1/2	4	48	. 10	10-l/B	1-1/2	
	SPECIAL	30	15	1/2	5	58	12-1/2	12-11/16	1-1/2	



*Reduce spacing 25% for 30"x 15" size 4 - 4 - 7 - 1

se 30"x SIGN				NSION		INCHES		
(MIN)	Δ	8	С	D	Ε	F	G	Н
STD.	24	12	1/2	3	e c	10-9/16	10-1/16	I-1/2
STD.**	30	15	1/2	3-1/2	8 C	13-3/8	12-5/8	i-1/2

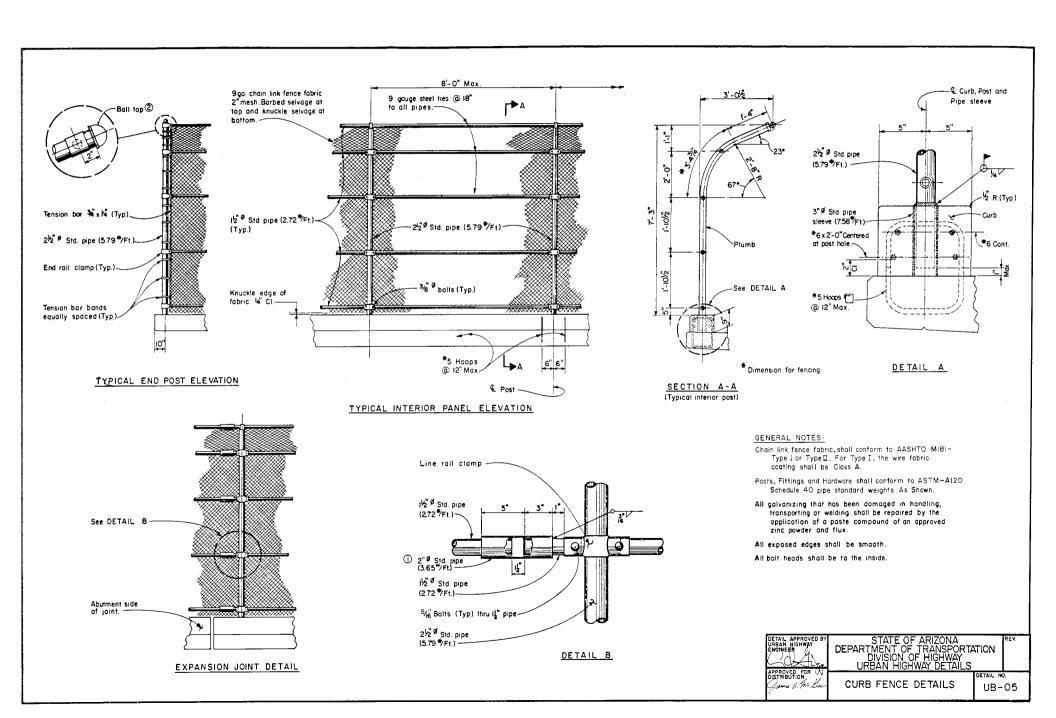


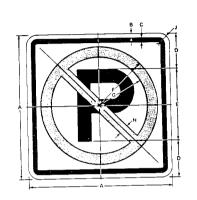
STD.* 30 I5 I/2 3-I/2 | 8 C | I - I/4 | I-1/2

NOTE:

- I.) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS: LEGEND & BORER - WHITE REFLECTORIZED BACKGROUND - BLUE REFLECTORIZED
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - M3-4(INTERSTATE)(A" x B")

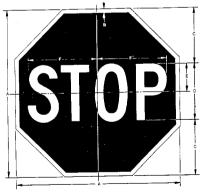






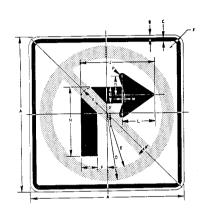
	_						CIME	V\$IC	S (NC	HES)						
SIGN	Α	В	C_	D	E	F	G	Н	J.	K	L	M	N	Р	Q	8
8:K£			1				Ĺ.,				L_		_			
IRBAN MINASTD	12	3/8	3/a	3	EE(M)	4 %	3 %	1	11/2			_	_	<u> </u>		1_
URAL	24	3/8	5/8	6	IZE(M)	10 /2	8 1/2	2	11/2			!	! _	_	1_	╙
EXPWY.	36	5/8	7/8	. 9	REE(M)	1534	1234	3	21/4	i			<u> </u>			Ļ
FWY.	48	3/4	11/4	12	245N	21	17	4	3		_				<u>Ļ</u> .	_
SPECIAL	_	_			Т			1	1			:	!	<u>. </u>		

R8-3a



	_				_		DIME	HSIGH	IS (HH	>+€S)						
SIGN	Α-	B	C	D.	E	F	G	H	J	K	L	M	N	Р	Q	R
BIKE	18	3/	6	60	3	734		Ľ				1	L		ļ	
MIN.	24	3/8	8	8¢	4	10			1	<u>L</u>	<u> </u>	_	_			Ŀ
STO.	30	3/	10	100	5	2 2	Ξ.		Ĺ	L	1		ـــــ	! _	<u> </u>	
EXPWY.	36	7/8	12	12C	6	15		١.	Γ		L				ļ	
SPECIAL	42	T.	14	14C	7	1742				L.,		ļ	<u>_</u>		<u> </u>	ļ
SPECIAL	48	1 1/4	16	160	8	20	Г	ĺ				L			L.	L

RI-I



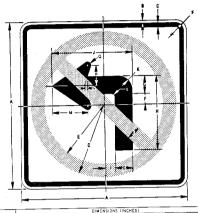
							DIME	NSION	SUNC	CHEST						
SIGN	Α	В	С	0_	E	F	G	Н	J	K	L	М_	N	P	Q.	R
B:KE		Ε.	_			<u> </u>					_				_	_
MIN.	24	3/0	5/8	10 1/2	8 1/2	1 /2	21/2	101/2	111/2	2	4 15/15	3/8	274	72	L	_
STD.	24	3/8	-	1045	845	1 1/2	242	101/2	11 1/2	2	5 1/4	3/8	3	1/2		L
SPEC/AL	30	1/2	3/4	13 1/0	10 %	17/8	31/B	31/8	141/2	2 /2	6 3/g	1/2	35/8	5/8		
EXPWY.	36	5/8	7/8	1534	12 74	244	33/4	153/4	174	3	75/8	9/16	45/16	3/4	Ĺ	
SPECIAL	48	3/4	11/4	21	17	3	5	21	23	4	101/8	3/4	5 3/4	i i		

R3 -1



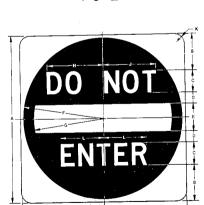
				_			DIME	HSIGH	S (INC	HES)						
SIGN	Α	я	ć	ΤD	Ε	F	G	H	J	ĸ	L	M	N	P	Q	R
BIKE	24	3/8	3	13/8	20	31/4	3	7/8	11/2				_	<u> </u>	<u> </u>	
MIN.	30	5/8	4	14,	21/20	315%	3 %	7/8	11/2				<u></u>	_		-
STD.	36	3/4	5	2	3C	4 ¹ /16	44/8	144	2		<u>L</u>	_	<u> </u>		<u> </u>	_
EXPWY.	48	3	6	24,	40	61/4	5%	2	3			_		_	—	1
FWY.	60	11/2	8	31/2	50	7 78	71/4	21/2	4	L			L		▙	┡
SPECIAL		_				L		L	<u>.</u>		<u> </u>		ا		L_	_

RI-2



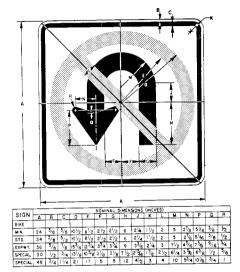
	_		_			_	DIME	NSION	SUNC	HES)						
SIGN	A	В	Ć	'D_	Ε	F	G	Н	J	K_	F	W	N.	P	٥_	R
BIKE					i						L	L	_	ļ.,-		-
MIR.	24	3/8	5/8	101/2	81/2	1 1/2	21/2	101/2	111/2	2	/2	5/16	%-	234	1/2_	_
STO.	24	3/g	5/B	101/2	81/2	11/2	21/2	101/2	111/2	2_	1/2	51/16	3/8_	3	1/2	╙
SPECIAL I	30	1/2	3/4	13 1/8	10%	17 ₈	3 1/8	13 1/8	141/2	21/2	5/8	63/8	1/2	3 %	\$ ₈	L.
EXPWY.	36	5/8	_	153/4	123/4	21/4	33/4	153/4	171/4	3 .	3/4	7 ⁵ /8	%6	45/6	3/4	L
SPECIAL	48	3/4	11/4	21	17	3	5	21	23	4	1	0/8	3/4	534		<u>l</u> _

R3-2



							DIME	MSION	S (INC	HES)					.—	_
SIGN	Α	В	С	D	E	F	G	H	J	K	, L	_м_	N	P_	0	.R
BIKE					Ш.				<u></u> .		L	_	_	<u> </u>		├-
MIN.	30	6 /2	4D	2	5	14/2	12 1/2	9 3/4	10	1/8	7 %		₩	-	<u>. </u>	1
STO.	30	61/2	40	2	5	141/2	121/2	9 74	10	17/0	7 4		L	_	↓	
EXPWY.	36	71/2	50	21/2	6	171/2	15	12	12 %	21/4	913/6		\vdash		ـــ	↓_
FWY.		\Box	Ī			Τ.			L_	辶	_	_	Ļ.	!	ـــ	<u> </u>
SPECIAL	48	111	60	3	6	23/2	20	141/2	15	3	113/4	L.,		<u> </u>		

R5-I



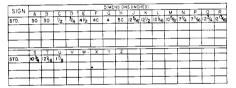
R3-4

NOTES:

- I.) COLOR OF SIGNS SHALL BE AS FOLLOWS:
 - a)R8-3a, R3-1, R3-2 & R3-4 CIRCLE & DIAGONAL-RED (REFLECTORIZED) SYMBOL, BORDER, LEGEND-BLACK (NON-REFLETORIZED) BACKGROUND-WHITE (REFLECTORIZED)
 - b.) RI-I, RI-2 & R5-I LEGEND - RED (REFLECTORIZED) BACKGROUND - WHITE (REFLECTORIZED)
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE RI-I(A")

DETAIL APPROVED BY URBAN HIGHWAY			REV.
ENGINEER	DEPARTMENT OF TRANSPORTA	ALION	
CCOX tzlsa	I IRRAN HIGHWAY DETAILS		
APPROVED FOR)		DETAIL N).
James a Mis De	REGULATORY SIGNS	USM	-01





R3-7R



						DIME	NSION	S (INC	HES]						
A	В	С	0	E	F	G	H	J	K.	L	M	N	Р	Q	8
30	V ₂	3/4	41/2	4C	4	50	119/16	121/8	iO	105/8	71/4	71).6	:21/4	103/4	10
		_		-		1	7		L				L.	Ļ	
17/8	Ė	-	·	Ë		Ė	_	-				F	-	-	F
\vdash	-		1	\vdash											
	30 S	30 V ₂	30 V2 3/4	30 ½ ¾ 4½ S T U V	30 V ₂ 3 ₄ 4V ₂ 4C	30 ½ ¾ 4½ 4C 4	A B C D E F G 30 1/2 3/4 41/2 4C 4 5C	A B C D E F G H 30 V ₂ 3 ₄ 4V ₂ 4C 4 5C 119 ₁₆	A B C O E F G H J 30 1/2 3/4 41/2 4C 4 5C 11946 121/8	30 V ₂ N ₄ 4V ₂ 4c 4 5c 119 ₁₅ 12V ₈ 10	A B C O E F G H U K 50 50 10 10 10 10 10 10 10 10 10 10 10 10 10	A B C O E F G H V X L M 30 1/2 3/2 4/2 4C 4 5C 119/2 2/3 10 05/2 7/2 S 7 U V W X Y Z	A B C O E F G H J K L M N 30 V ₂ S _A aV ₂ ac 4 5c 0 S _B 2V _B to 05g 7/g 7/kg 8 7 U V W X Y Z	A B C D E F G N J K L M N P 30 1/2 3/4 4/2 4C 4 5C 113/6 12/16 10 105/6 7 1/4 7 1/6 12/4 8 7 U V W X Y Z	A B C D E F G N J K L M N P D O SO V W X Y Z

R3-7L



SIGN							DIME	NSION	SIINC	HES?						
31014	A	В	C	0	С	F.	G	н	J	К	L	M	l N	P	ď	R
MINASTO	18	24	3/8	5/8	21/2	50	11/2	41/2	51/2	61/4	65/6	6%	6 %	2 1/4	6	5 %
SPECIAL	24	30	3/8	≯ß	3	60	17/8	6 ¹ /16	71/16	71/4	71/2	7%	81/4	3	8	73/4
		_		\vdash		-					\vdash		-	-		-
	\$	Y	U	V.	w	X	Y	Z								i
MENLE STO	11/2	49/8	3/8	29%	7/16			7			l		L			1
SPECIAL	11/2	6 ½	1/2	3/16	9/16					ļ		_	<u> </u>	<u>Ļ</u>		<u> </u>
				ļ.,	_		<u> </u>	<u> </u>		-	├-		-		-	⊬
		<u> </u>			L	L				_	Щ.	Ц	1	<u> </u>		1_

R6 −2R •R6 −2L



LEGEND - BLACK (NON-REFLECTORIZED)
ARROW & BORDER - WHITE REFLETORIZED
BACKGROUND - BLACK (NON-REFLECTORIZED

							D:ME	NSICH	S (INC	HESI						
SIGN	A	В	C	D	E_	F	G	Н	J	К	L	M	N	Р	. q	R.
BIKE				Γ								L.	_			_
MIN.			_													
STD.	36	. 12	40	1/2	2	71/2	11/2	95%	9 1/8	11/4	3	33/8	2 1/8	11/2	81/2	1/1/16
EXP#Y.	_	Ī											_			L
FWY.	i				i	i	Γ.			Ĩ			<u> </u>	<u></u>		
SPECIAL						Τ.	i		ľ		i	ļ	İ			

R6-IR



SIGN	1						SMIC	NS ON	SIINC	HES)						
210 N	Α	9	Ç	D	E	F	G	H	J.	K	L.	М	N	P	Q	R
STD.	30	36	3/4	¥2	4	49	2	115/8	121/4	81/4	8∛ ₁₆	12	11/16	7/16	1/2	io%
																_
STD.	10 ⁹ / ₆	61/2	10	ю%6	17/8	×	Ť	Z								-
				-	-			-	_	-	_	_	-	-	_	-

R5-10a



						NOM	NAL I	DIMEN	SIONS	(INCH	ES)					_
SIGN	A	В	C	D	E	F.	G	H	J	_K_	L	M	N	Р	_و_	R
BIKE		_					<u> </u>	L.				⊥ -	_			
MIN.	_															
STD.	36	12	2	1/2	S	71/2	11/2	97/8	91/8	11/4	3	33/g	25/8	1/2	81/2	11/16
EXPWY.						ï		<u> </u>	<u></u>	i		1_			<u> </u>	
FWY.						L	_		_	L_	_	-		_	1	
SPECIAL						1			١							_

R6-IL

NOTES:

- i.) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS, EXCEPT AS NOTED OTHERWISE LEGEND - BLACK (NON - REFLECTORIZED) BACKGROUND - WHITE (REFLECTORIZED)
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - R6-2R (A" x B")
- 4.) * ARROW DIMENSIONS ARE OPPOSITE

STATE OF ARIZONA

M HIGHWAY

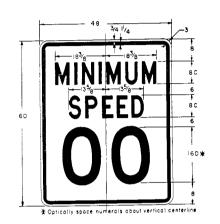
DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY

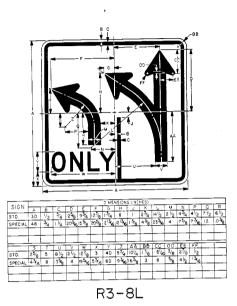
URBAN HIGHWAY DETAILS

OVER DEFAULT ATTOMY. CICAGO.

REGULATORY SIGNS CROSS STREETS ONLY

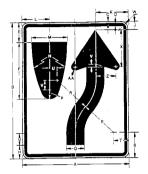


R2-4



35 1/2" R3-8R

15 1/2" 4"

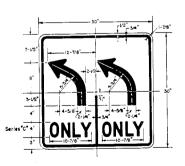


				_		_	DIME	SION	S (INC	HES)						
SIGN	A	8	C	0	E	F	G	H	J	K		W	N	P	Q	L.R.
M.N.	18	24	3/8	5/8	33/g	9 ³ /8	ı7⁄8	21/4	13/8	51/2	41/46	6	221/2	11/2	3	6 3/
STD.	24	30	3/g	5/8	41/2	121/2	2 42	3	176	73/8	61/4	8	30	2	4	9
EXPWY.	36	48	5/8	7/8	63/4	183/2	33/	4 1/2	213/6	111/8	93/8	12	45	3	6	131
FWY	48	60	3/4	11/4	9	25	5	6	33/4	1413 ₆	:21/2	ю	60	4	8	18
	S	7	U	V	W	X	Ϋ́	- 2	AA							L
MIN.	41/8	21/4	11/16	7/16	1 1/2	6 1/8	7/.6	3/2	9/16				_	<u>L</u>		1
STD.	51/2	3	13/8	2134	11/2	81/2	5/8	448	13/18				<u></u>	<u></u>		
EXPWY	8 1/4	4 1/2	2	23/4	21/4	12%e	15/16	6%	13/16		<u>L</u> .				_	L
FWY	III	6	211/4	5	3	61/2	11/4	93,	15/3		i l		1		1	

R4-7



	11	K	1	н	6		Г.		_	_		
C. 71 00 101	111						ĮΕ	0	c			204
	1	14.78	21/4	14 E	5	68	6	7/a	5/8	48	36	EXPWY
	1475	19/8	3	16E	6	8 E	8	11/4	3/4	60	48	FRWAY
MIN 18 24 3/8 5/8 3 3E 2 8E 11/2 73/	5 1/2	73/16	11/2	8E	2	3E	3	5/4	3/4	24	18	MIN



R3-8L (SPECIAL) ®R3-8R (SPECIAL)

NOTES:

- I.) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS: LEGEND & BORDER - BLACK NON-REFLECTORIZED BACKGROUND - WHITE REFLECTORIZED
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - R2 -1 (A"x B")
- 4.) @DENOTES OPPOSITE HAND DIMENSIONS.

STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS REGULATORY SIGNS USM-03

R2-1



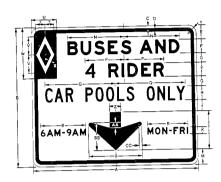
										*1	VCREA	SE	SPACI	NG IC	0%	_
_				_	_		DIME	NSION	S (IN	CHES)						
SIGN	A	В	C	D	E	F	G	H	J	K	T.	_M_	N.	P	9	R
BIKE			Г			Ĺ.,	L.	느	_			_	١_	٠	-	-
MIN.	30	42	1/2	3/4	31/4	48	2	40	11/4	71/2	10%	6	8 74	1 1/g	3 74	1 7
STD.	30	42	1/2	3/4	3 1/4	48	2	40	1/4	742	103%	6	8 3/4	11/8	3 %	1 %
EXPWY.	36	60	5/8	7/8	41/2	68	3	60	2	10	15 1/2	9_	101/2	1 1/2	5_	2 4
FWY	48	84	3/4	14	6	88	4	80	3	15	20%	12	14	21/4	7 V2	3
SPECIAL			1		T		{				1	į	1			L

R3-10



-	_	_					DIME	NSION	SIN	HES)						
SIGN	A	В	C	D	E	F	G	H	J	K	L	M	N	Р	Q	R
BIKE										_	L.	_	<u> </u>		3.	
MIH.	30	42	1/2	3/4	31/4	48	2	4C	11/4	71/2	10%	6_	6 1/2	1 /8	3 %	1 48
STD.	30	42	1/2	3/4	34	4B	2	4C	11/4	71/2	(0 ³ / ₈	6	6/2	ΙÝg	3 %	1 %
EXPWY.	36	60	5,	7/8	41/2	68	3	60	2	10	15 1/2	9	9 %	11/2	5_	2 /4
FWY.	48	84	3/4	11/4	6	88	4	80	3	15	20%	12	13	2/4	7/2	3
SPECIAL	_	\vdash			Ī.,_	ì			L_{-}	L_	نے یا				L	

R3-12



EXPWY.	32	6	15	10	36	1 1/2	5	5 kg	3	16	1		+	-	<u> </u>	
MIN8 STD	24	4	11	8	22	1 1/4	334	4 /2	2/46	14	1/ ₁₆	├-	1-		-	+
	S	Ť	U	V	w	×	Y	Z	AA	88	ÇÇ		1 -			F
FWY	108	84	11/2	2	10	10 D	6_	100	4	5C	22	-6	39	27	51	VAR
EXPWY.	96	72	11/4	13/4	8	80	6	BC.	41/2		16/2		31/2		41	VAR
MINASTO	72	60	1	11/2	6	6 D	4	60	4/2		16 1/2	7	23 /2	16 1/2	31	VAR
SIGN	A	В	C	D_	É	F	G	H	J	K	4	М.	N	Р	0	R

R3-14



**FOR STD. SIZE, REDUCE SPACING 40%
DIMENSIONS (INCHES)

R2-5a



											REDI	JCE 5	PACI	NG 5	0%	
		_	_				DIME	NSION	\$ (INC	HES)						_
SIGN	Α.	В	С	ď	ΓÉ	F	G	Н	J	K	L.	X	N	P	9	R
MINASTO		36	5/	7	54	6C	31/2	60	42	24	12	6	2	17	9 %	3 /g
EXPWY.	84	48	1/4	14	7	BC.	5	80	54	30	16		2 /2	22 /2	12.5	17 916
FWY.	102	60	1	11/2		юс	•	100	66	36	20	10	3	28	16	213/4
							L.	<u> </u>		L	<u>L</u> .	<u> </u>	<u></u>	L	<u> </u>	<u> </u>
	\$	7	U	Ţν	W	X	Y	_Z_				μ	Τ-	_	┡	⊹ —
MIN 8 STD	21/4	Ĺ.,	L.				_	_		_	⊢	<u> </u>	-	-	⊢ −	
EXPWY.	3			<u> </u>	L_	L.,	┖	_	L	╙	<u> </u>	-	ļ.	- -	-	₩
FWY.	33/4	Ε.		Ι	L_	<u>L</u>		L_	1	1	₩	├	╀-	╄	-	┼—
			Т	7		i	1	1	ĺ	1	1	i	1	1	1	

R3-13



											REQU	CE S	PACIN	3 50	76	
	_	_		_			DIME	NSION	S (INC	HES)						_
SIGN	A	8	C	0	ΪE	ΓF	G	н	J_	ŢΚ.	Ľ	M	N	P	0	R
MIN & STO	66	36	5/8	7/8	51/2	60	34	60	42	24	12	6	2	17	9%	93/4
EXPUY	84	48	3/4	11/4	7	BC	5	80	54	30	16		2 /2	221/2	12 4	13
			74	1.1.	9	100	6	IOD	68	36	20	10	3	28	16	151/4
PWY.	102	60	<u> '</u>	1/2	٠,	100	-	100	100	100	-	1.0	+-	-	!	_
				L	L				1_	┸-	<u>. </u>	_	<u> </u>	느	_	<u>-</u> -
	S	Ŧ	U	V.	₩	X	Y	1.2	Ε-	⊢-	-	₩	+	⊢	├	
MIN B STD	21/4	T .				_	<u> </u>	L	_	1	↓—	1-	₩	₩	⊢ -	-
EXPWY.	3		П.			<u>L</u> _	<u>L</u>	┺	<u> </u>	ـــــ	Ļ.,		╀	 -	├ -	-
FWY	33/		T	ī	T	1 _			_	\perp	L-		4	١	┞-	1
	-	_		_	-		1	1		+	1	•		i	1	1

R3-I5



CURBILEFT

RIGHT TURNS

SIGN A M.N.BSTD 30 EXPWY 42	_	C 1/2	0	€	Г				HES)						
EXPWY 42	_	1/2	2.			G	H.	J	K	T.	М	N	P	1 9	R.
EXPWY 42			3/4	21/2	30	2	40	11/2	20	3	143/8	35,8	12	2	VAR.
	60	5/8	7/B	4	4D	. 3	6C	2	30	3	19 l/g	12-74	18	8 1/4	VAR.
FWY: 54	84	3/4	11/4	5	6D	4	80	3	40	6	2834	91/2	24	11	VAR.
1 8	+-	1 0	V	W	. x	Ļ.	Z	H		-	Ħ		=		
AV CTEBUL	R 2 1/2	5	3/4	17g	10	87/8	48	<u> </u>		L	_			<u> </u>	_
EXPWY VA	R 33/4	742	ίν _ε	21/4	:33/8	113/4	68			L	L.		_	<u> </u>	<u> </u>
FWY. VA	R 5	10	1 1/2	3	20	:73/4	8B	1	ļ_	-	+	_	_	-	-

SYMBOL & LEGEND - WHITE REFLECTORIZED

LEGEND - BLACK NON-REFLECTORIZED

BACKGROUND - WHITE REFLECTORIZED BACKGROUND - BLACK NON-REFLECTORIZED

R3-11

NOTES:

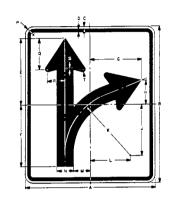
- i) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS, EXCEPT WHERE NOTED OTHERWISE LEGEND - BLACK (NON-REFLECTORIZED)
 BACKGROUND - WHITE (REFLECTORIZED)
 SYMBOL - REFLECTORIZED WHITE
 ON BLACK
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - R3 - IO (A" x B")

STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS REGULATORY SIGNS USM-04



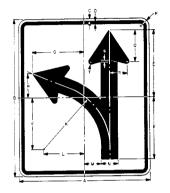
	1		_				CIME	NS ON	SONG	HES!						
SIGN	Δ	I B	C	0	3 1	F	G	H	J	K	L.	M	N	P	T Q	8
STD.	30	36	1/2	3/4	18	5 %	21/2	60	33/4	91/4	111/4	51/4	91/2	8 1/4	33/4	33/4
SPEC AL	48	60	3/4	11/4	30	7	€34	100	61/4	11/4	16	9	9 /4	13%	234	5 /2
	Ĭ		Ï	<u> </u>					_	1	١	<u></u>	ļ			Ļ.,
		i	<u>L</u>	L.					L.,	Ц.		L	Ц_	<u>. </u>	L .	
	I S	TT	U	ΓV	W	X	Y	Z								
STD.	3%	1046	109/6	176		43/4		ì					<u>L</u>	_		
SPECIAL	374	2014	20%	3	:07	6/16	12/6	<u> </u>								
				-		T	i									
	_	 	_		_	1										П
	1 -			_	_	_			_	+		_	_		$\overline{}$	

R3-5L ⊛R3-5R

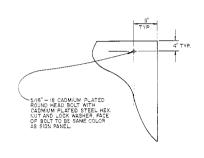


CICN				-			D)ME	NSION	SUN	HES)						
SIGN	Α	В	С	D	E	F	Ģ	H.	J	K	Li.	М	N	Р	Q	R
BIXE					Ī		;									
SPECIAL	48	60	3/4	14	211/2	50	167g	73/4	153/4	20%	1234	478	51/2	3	1034	64€
STD.	30	36	1/2	3,4	153/8	141/4	113/4	5%	111/4	141/2	87/a	37/8	31/2	17/a	7 ½	4
	S	T	_					_								
STD	9/16	1416					ī —									
SPECIAL	134	11/10														

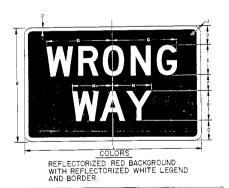
R3-6R



01041							DIME	NSION	5 (IN:	CHEST						
SIGN	Α	В	C	D	E	F	G	H_	J	K		M	- N	Р	Q	R
BIKE					1		i			l						
SPECIAL	48	60	3/4	11/4	21/2	20	167/8	73/4	153/4	203/8	123/4	4 7/8	5/2	3	10 %	6%6
STD.	30	36	1/2	3/4	15 ³ /a	141/4	1113/4	55/8	111/4	141/2	87/8	31/8	31/2	17/8	7 1/8	4
	S	Ť		à .												
STO	9/16	11/16			-		Ι									
SPECIAL		11/16				_	Ī					i				



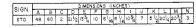
BOLT SPACING DETAIL 4'x5' SIGN PANELS



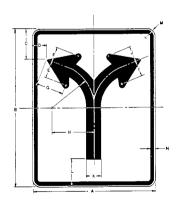
	_						DIME	NSION	S (IN	CHEST						
SIGN	A	В	С	10	ξ.	F.	G	Н	J	×	L	M	N	р	Q.	R
BIKE		Ε.		Г			Ι					_			<u> </u>	
MIN.	30	18	5/8	3	50	2	111/16	611/16	11/2			Γ				
SYD.	36	24	3/4	41/2	60	3	13 %	81/6	11/2			Ĺ				
EXPWY.							1									
SPECIAL	72	48	1	71/2	120	9	26%	161/8	3	T						
SPECIAL	42	30	7/8	5	80	4	173/	10 1/4	17/8		T .					_

R5-la





R3-5S



NOTE

3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - R3-5L (48" x 60")

2.) DIMENSIONS ARE NOMINAL

4.) ARROW DIMENSIONS ARE OPPOSITE HAND.

 COLOR OF ALL SIGNS SHALL BE AS FOLLOWS, EXCEPT WHERE NOTED OTHERWISE:
LEGEND & BORDER - BLACK NON-REFLECTORIZED
BACKGROUND - WHITE REFLECTORIZED

BACKGROUND - WHITE REFLECTORIZED

BACKGROUND - WHITE REFLECTORIZED

BACKGROUND - WHITE REFLECTORIZED

BACKGROUND - WHITE REFLECTORIZED

BACKGROUND - WHITE REFLECTORIZED

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BACKGROUND - WHITE REFLECTORIZED

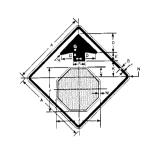
**BACKGROUND - WHITE REFLECTORIZE

R3-5L & R

DETAIL APPROVED BY URBAN HIGHWAY ENGINEER APPROVED FOR DISTRIBUTION James Of the Sur

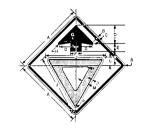
STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS

REGULATORY SIGNS FOR OVERHEAD STRUCTURES



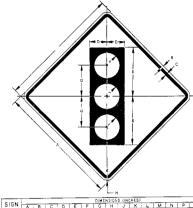
					_		D.ME	45:05	S (IN	HES)						_
SIGN	A	8	C	D	E	٤	Ğ	H.	J	K	T-L	M_	N.	Р.	Q	.R
BIKE				T	1											1_
MIN.	30	1/2	3/4	71/2	33/4	5	5/g	5/.6	15-74	61/4	2½	1/2	176			1
STD.	36	5/8	7/a	: 9	41/2	6	3/4	3/8	19	71/2	31/2	5/8	21/4		<u>_</u>	╙
EXPWY.	-			Π.					<u> </u>				1		_	_
FWY.			_									_				
SPECIAL	48	3/4	11/4	12	6	8	1	1/2	251/2	10	41/2	34	3			

W3-la



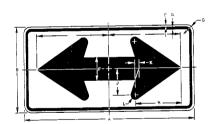
							DIME	NSION	S (IN	CHEST						
SIGN	A	В	C	D	Ε	F	G	н	J	K	L.	M	N	P	Q	L.R.
BIKE							l			L						ļ.,
MIN	30	1/2	3/4	71/2	376	5	5/8	5/5	25	61/4	3	3 %	1/2	11/4	3∕8_	1 %
STD.	36	5/8	7/8	9	442	6	3/4	3/8	28	71/2	33/8	33/4	5/8	13/8	3/4	12 1/2
EXPWY.								L			_					<u> </u>
FWY.			Г	ĺ							_		_	_		ļ
SPECIAL	48	3/4	11/4	12	6	8	. 1	142	38	10	4 1/2	5	74	178	1_	3

W3-2a

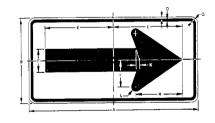


											_			_		
SIGN				_	-		DIME	NSION	5 (IN	CHEST		1	T 61	P	1 0	ī R
3101	Δ	<u>. B</u>	į Ç.	_ D	_ E_	F	Ģ.	I H	٠	K		м	LN.	₽.	14	
B∶⊀E	18	3/8	5/ ₈	, 3	8	21/4	5	1/2		1			i	<u> </u>		
H'4.	30	1/2	3/4	5	1374	3%	89	17/8			╙	1	1	<u> </u>	╙	
STD:	36	5/B	7,8	534	15 %	4/4	10	21/4		Ĺ.,			ــــ	Ļ.		_
EXPWY.				Ι.	ĺ		I	i	L	<u></u>	L.	\perp	↓	L.		L.
FWY		Ī				i.	l			_			<u> </u>	<u>L</u> .		L
SPECIAL	48	3	11/4	71/2	20	5	12/2	3		!	3				L.,	1_

W3-3

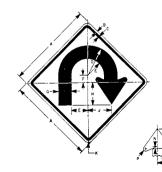








⊕WI-6L



							DIME	HSIGH	S (IN	HES)						
SIGN	A	В	.c_	D	[E_	F	G	н	J	K	L	×	N	Р	Q	R
BIKE			_			l		L.,_	Ш	L	\Box		_	L		
MIRL	24	3/6	3,	8	442	3	31/2	6 %	64	11/2	71/9	4	* 6	14 _{KS}		_
STD.	30	1/2	3/4	10	6	2 4	4	8	8	178	8 %	5	1146	7∕8		L
EXPWY.	36	34,	7/8	12	7	176	5	91/2	91/2	24	lo ¹ kg	6	13/6	146	_	
FWY:		_										_	L			L
SPECIAL	48	3/4	T/a	16	9	11/2	7	123/4	12/2	3	141/4		11/46	13/6		ı

W2-8R ⊛W2-8L

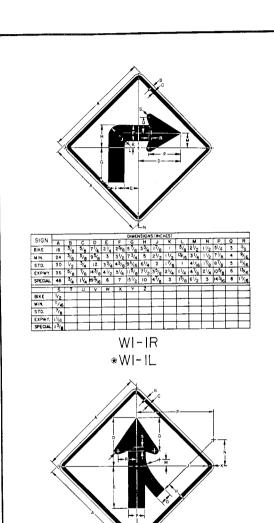
NOTES -

- L) COLOR OF SIGNS SHALL BE AS FOLLOWS:

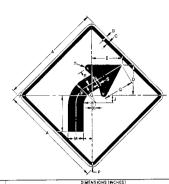
 - BORDER & ARROW BLACK NON-REFLECTORIZED SYMBOL WHITE BORDER ON RED BACKGROUND REFLECTORIZED
 - BACKGROUND YELLOW REFLECTORIZED

 - BORDER & ARROW-BLACK NON-REFLECTORIZED SYMBOL-RED BORDER ON WHITE BACKGROUND REFLECTORIZED BACKGROUND-YELLOW REFLECTORIZED
- c.) W3-3
- SYMBOL & LEGEND -BLACK NON-REFLECTORIZED TOP CIRCLE RED REFLECTORIZED BOTTOM CIRCLE GREEN REFLECTORIZED BACKGROUND YELLOW REFLECTORIZED
- d.) WI-7R, WI-6R, WI-6L, W2-8R & W2-8L LEGEND - BLACK NON-REFLECTORIZED BACKGROUND - YELLOW REFLECTORIZED
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - W3-3 (A") WI-6L (A" x B")
- 4.) @ DENOTES OPPOSITE HAND DIMENSIONS.

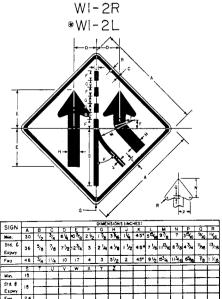
STATE OF ARIZONA DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS 4/87 WARNING SIGNS USM-21

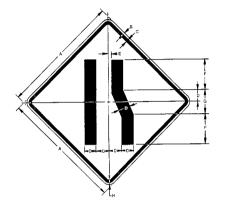


W-4-1



SIGN	Α	В	С	D	Ε	F	G	н	Ų	K	ΓĽ	м	N	ρ	٥	R
BIKE	18	3/ _B	5/A	53/2	51/2	6	43/4	33/8	13/4	11/4	2	25/8	61/4	11/2	51/4	3
MIN.	24	3/8	5/8	71/8	71/4	8	61/4	41/2	2 ^{11/} 32	13/4	23/4	31/2	81/4	11/2	7 /g	4
STD.	30	1/2	3/4	87/B	91/16	10	71-46	5 5/B	215/16	23/16	37/16	43/e	ο ₁₆	17/8	87/8	5
EXPWY.	36	5/8	7/8	105/8	107/8	12	93/8	63/4	31/2	25/8	41/8	51/4	23/8		ю%	6
FWY.	48	3/4	11/4	44/16	141/2	16	12 /2	9	41/16	31/2	51/2	7	16 /2	3	14.3/ _S	
	5	1	U	V	W	X	ΙΥ	7			Ī.					
BIKE	3/8	1/2						L								
MIN.	9/16	1/16										_		_		L
STD.	1/16	7/ ₈										L	<u> </u>			L.
EXPWY.	13/16	11/16							L			L.	1			L
FWY.	11/16	13/g			1		Ţ			ľ	1	İ				



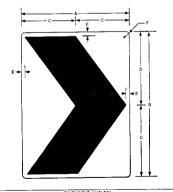


	_						DIME	HOISH	S (IN	CHES)						
SIGN	Α	В	C	D	E	F	G	H	J	K	Ļ	M	N.	P	9.	R
BIKE		i	Γ		Į.	ŀ	· ·					_		_	<u> </u>	
MIN.	30	1/2	3/4	33/8	13/16	8%	64	176.					<u>. </u>		_	
STD.	36	5/e	₹8	4	1	10	6	21/4						İ	<u> </u>	L.
EXPWY.	36	5 _{/B}	7/8	4	1	10	8	24		1					1	
FWY.	48	3/4	11/4	5%	13/8	135	10-7 _B	3			Ĺ					
SPECIAL		-		1			Γ.			I		١	l		i	L



W4-2R

W4-2L



							DIME	NSION	S (INI	CHES!						
SIGN	A	Le	С	D	Ε	F	G	Н	3	K	L	М	N	P	9	R
BIKE				1_	i		l		L	<u> </u>	1	L.	<u> </u>		_	L.
MIN.	12	18	6	9	1/2	1 1/2		_			_	L		_	L_	
STD:	16	24	9	12	3/4	1 1/2		L.,	L_		L.,		<u>L</u>	<u></u>	<u> </u>	╙
EXPWY.	30	36	15	18	1	1 %										
FWY	36	48	18	24	11/8	2 4		l			L			L	L	
SPECIAL	24	30	12	15	7/8	142			l –		T					i

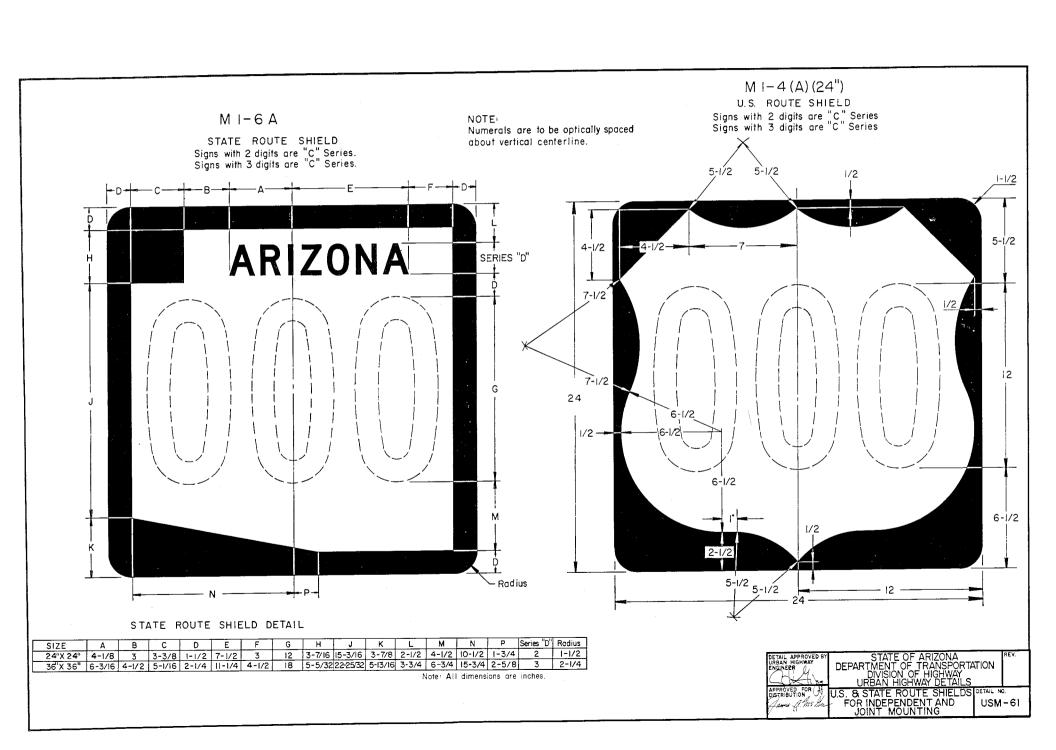
NOTES:

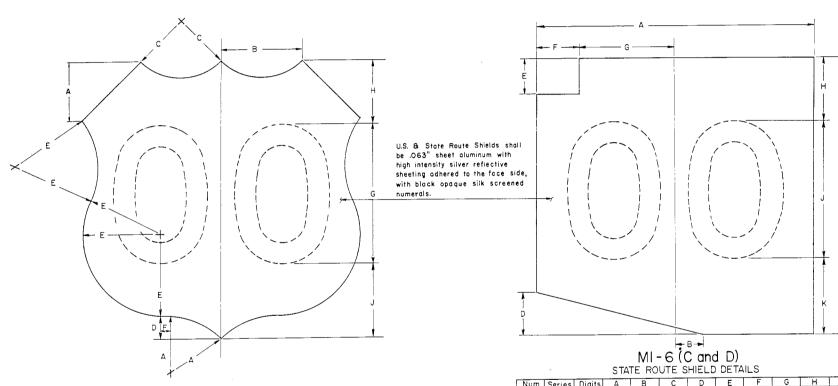
- I.) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS: LEGEND & BORDER - BLACK (NON-REFLECTORIZED) BACKGROUND - YELLOW (REFLECTORIZED)
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, $\begin{array}{c} \text{EXAMPLE-WI-IL } (\textbf{A}^n) \\ \text{WI-8} (\textbf{A}^n \times \textbf{B}^n) \end{array}$
- 4.) @DENOTES OPPOSITE HAND DIMENSIONS.

WI-8

DETAIL APPROVED BY	STATE OF ARIZONA		REV.
URBAN HIGHWAY	DEPARTMENT OF TRANSPORTA	MOITA	
(da)	DIVISION OF HIGHWAY		
CAN ICH	URBAN HIGHWAY DETAILS		
DISTRIBUTION		DETAIL N	٥.
James a. Mrs Los	WARNING SIGNS	USM	- 22

W4-3





MI-4 (C and D)
U.S. ROUTE SHIELD DETAILS

Shield Size	Α	В	Ç	D	E	F	G	Н	J
24X24	5	7	5	2	7	1	12 D	51/2	61/2
30X24	5	10	9	2	7	4	12 D	5!/2	61/2
36X36	71/2	101/2	71/2	3	101/2	11/2	180	81/4	93/4
45 X 36	7/2	15	13/2	3	101/2	51/2	18D	81/4	93/4
48X48	10	14	10	4	14	2	24D	11	13
60X48	10	20	18	4	14	, 8	24D		13

Num	Series	Digits	Α	В	С	D	Ε	F	G	Н	j	K
12	D	2	24	21/2	91/2	4	3	3/2	8/2	5 V ₂	12 D	61/2
12	С	3	26	21/2	101/2	4	3	4	22	51/2	12 D	61/2
18	D	2	36	33/4	141/4	5 7/8	43/4	51/4	12 3/4	8 1/4	18 D	93/4
18	С	3	39	33/4	151/2	5 7/8	43/4	53/4	33 1/4	8 1/4	18 D	93/4
24	D	2	48	33/4	191/4	71/2	61/4	71/4	16 3/4	11	24D	13
24	Ċ	3	52.	33/4	22 1/4	71/2	61/4	8	44	11	24 D	13

NOTE:

All dimensions are in inches

DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	TION	REV.
APPROVED FOR DISTRIBUTION VI	U.S. & STATE ROUTE SHIELD GUIDE SIGN MOUNTING	USM	



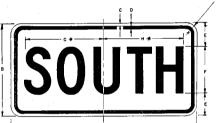
SIGN			DHAE	NSION	S (MC	HES)		
	A	В	c	ь	E	F	G	н
MIN B. STD.	24	12	3,	5/8	. 3	60	10	۱'n,
SPECIAL	30	15	34	5/6	3 /2	ac	123/8	172



RECUC	T SP	AÇING	3 20%	6 ST	, a 50	% SI	PECIAL	SIZE
SIGN			DIME	NSIO	NS (IN	CHES)	
3.31		e	c	ь	E	F	G	н
MIN &	24	12	3/8	5/8	3	6C	9 %	11/2
SPECIAL	30	15	3/9	5/8	31/2	80	12 1/4	11/2

M4 - 4





SIGN			DINE	SONS	(INCH	ES)		_	
3/4/1	A	В	c	D	Ε	F	6	н	د
MIN. 8 STD.	24	12	3/8	5/8	3	60	10 /B	5 9 /8	17
SPE CIAL	30	15	3/8	5/8	31/2	вс	121/16	115/16	1/2

M3-3

			DIME	NSION	S. (INC	HES)		,	
SKIN	А	8	С	D	Ε	F	6	н	j
STD &	24	12	3/8	5/8	3	60	7	714	11/2
SPEC-AL	30	15	3/8	5/8	3 1/2	80	91/4	934	11/2

M4-6

					S (INC		IAL SIZ		
SIGN	Δ	В	С	D	Ε	F	G	н	J
STD B	24	12	3/8	5/8	4	48	911/16	9/16	1/2
SPECIAL	30	15	3/8	5/8	4 1/2	68	12 15/16	2 ⁷ / ₂₆	1/2

M4-1



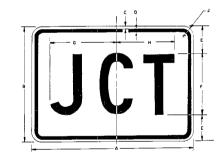
SIGN	DIMENSIONS (INCHES)											
3.04	A	8	c	۵	Ε	F	G	н	J			
MIN. B	24	12	3/8	5/8	3	60	7 5/8	8 %	į)			
SPECAL	30	15	3/8	5/B	3 1/2	вc	ю 1/9	10%	ıħ			

M3-2



			DIME	NSIGN	S (INC	HES:			
SIGN	A	8	c	0	Ε	F	6	н	J
STD. 8 MIN	24	12	3/8	5/8	3	6 E	5 5 _{/8}	5	11/2
SPECIAL	30	15	3/0	5/0	314	8 E	71/2	65%	11/2

M4-5



В	WEST	/ # E-# F # E-#

	DIMENSIONS (INCHES)												
SIGN	А	В	С	D	E	F	G	н					
MIN 8 STD.	24	12	3/8	5/8	3	6¢	8 ³ / ₈	1 1/2					
SPECIAL.	30	15	3/8	5/B	3 1/2	8C	11 1/4	11/2					

M3-4



		_	DIMEN	SIONS	(INC	(ES)		,	
SKH	A	a	c	D	ε	F	G	н	J
STD. &	24	12	3/8	5/8	4	48	9 1/2	95/8	11/2
SPECIAL.	30	15	3/6	5/0	5	58	11 7/9	21/6	11/2

M4-7

e e u		DIMENSIONS [INCHES]											
SIGN	А	8	c	0	E	F	G	н	J				
MIN-8 STD	21	15	3/8	5/8	3	90	815/16	a 3/8	17				

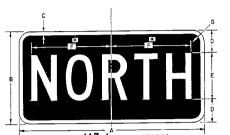
M2-1

NOTES:

- I.) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS: LEGEND AND BORDER - BLACK (NON-REFLECTORIZED) BACKGROUND - WHITE (REFLECTORIZED)
 OR AS NOTED IN PLANS
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - M3 - 4 (A" x B")

DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	MOITA	REV.
APPROVED FOR N DISTRIBUTION N Farma a Mila	DIRECTIONAL SIGNS FOR	DETAIL N	

DIRECTIONAL SIGNS FOR MARKER SIGNS



M3-1 (INTERSTATE)

*Reduce spacing 25% for 30"x 15" size

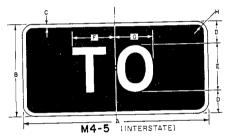
**Use 30"x 15" size with 30"x 24" shield or with 36"x 36" shield

SIGN DIMENSIONS (INCHES)

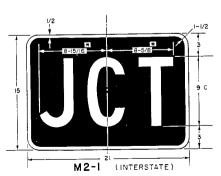
(MIN) A B C D E F G

STD 24 12 1/2 3 6C 10-7/16 1-1/2

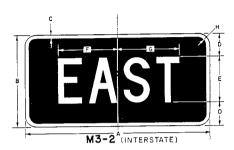
STD** 30 15 1/2 3-1/2 8C 13-1/8 1-1/2



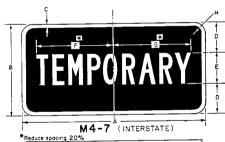
ſ	_	ī	IME	NS101	15 (NCHES	5)	
SIGN	A B		С	D	Ε	F	G	Н
STD. 8.	24	12	1/2	3	6 E	5-5/8	5	1-V2
SPECIAL	30	15	1/2	3-1/2	8 E	7-V2	6-5/8	i− <i>V</i> 2



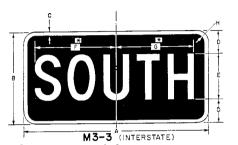
*Increase spacing 25%



*∪	se 30"x l	5" sız	e wit	h 30°	x 24" :	shield o	or with 3	36" x 36	shield
	SIGN		DII	MENS	IONS	(INC	HES)		
	(MIN)	Α	8	С	D	Ε	F	G	Н
	STD.	24	12	1/2	3	e c	7-5/8	8-1/8	1-1/2
	STD.*	30	15	V2	3-V2	8 C	ID-1/8	10-7/8	1-1/2



		1	DIME	NSIO	NS (INCHE	S)	
SIGN	Α	В	С	D	Ε	F	G	Н
STD &	24	12	1/2	4	48	10	10-l/B	1-1/2
SPECIAL	30	15	1/2	5	5 B	12-1/2	12-11/16	1-1/2

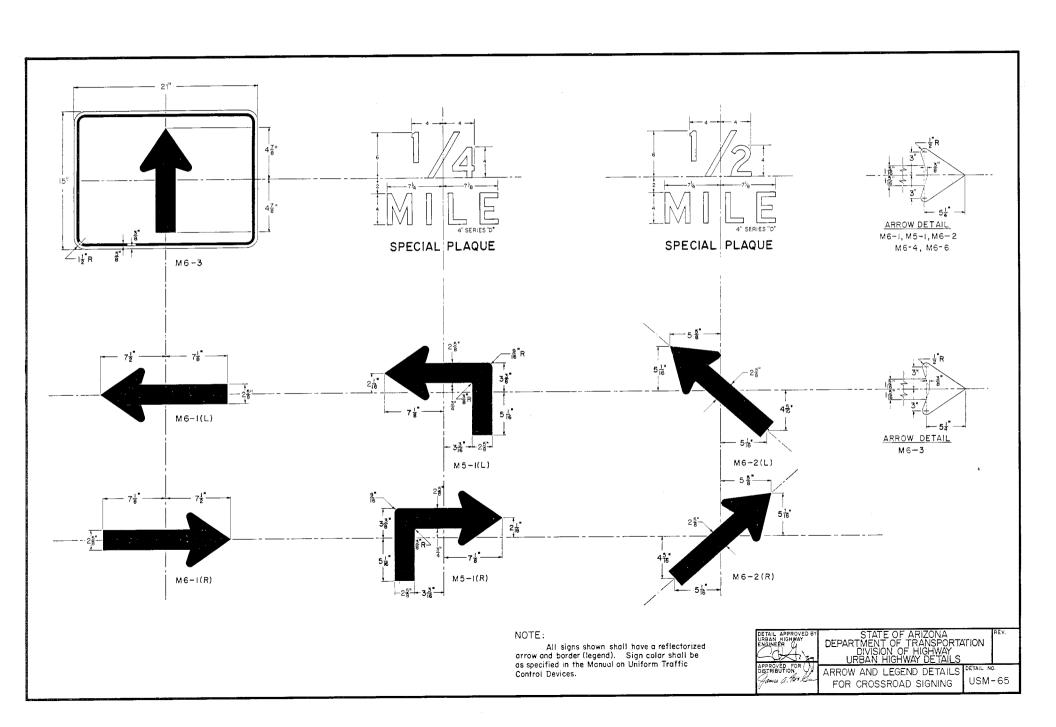


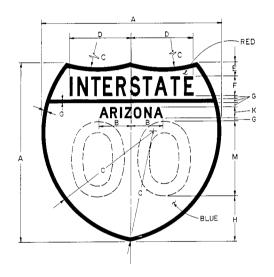


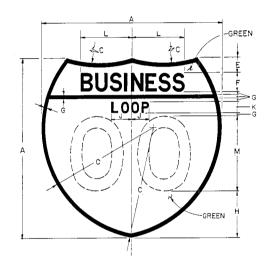
NOTE:

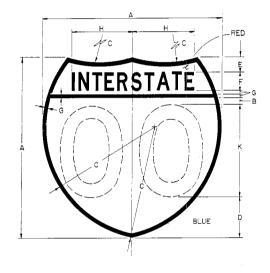
- L) COLOR OF ALL SIGNS SHALL BE AS FOLLOWS: LEGEND & BORER - WHITE REFLECTORIZED BACKGROUND - BLUE REFLECTORIZED
- 2.) DIMENSIONS ARE NOMINAL
- 3.) SIGNS SHALL BE REFERENCED BY SIZE, EXAMPLE - M3-4(INTERSTATE)(A" x B")











MI-IA SERIES

(FOR INDEPENDENT MOUNTING)

MI-2A SERIES

(FOR USE ON GUIDE SIGNS OR INDEPENDENT MOUNTING)

-	Numeral Size	DIGITS	Α	В	С	٥	Ε	F	G	Н	J	ĸ	4	М	N	
- !	10" D	2	24	41/4	15	73/4	2	21/2C	/2	6	21/2	1/2D	63/4	10 D	6	
i	15" D	2	36	61/4	22/2	113/4	3	3 ³ /4C	3/4	91/4	33/4	2/4D	10	15 D	9	
	20"D	2	48	8/4	30	151/2	4	5C	t	12	5	3D	131/4	20D	12	

	Numeral	DIGITS	А	В	С	D	E	F	G.	Н	K
	12" D	2	24	1	15	1	2	21/2C	/2	73/4	12 D
i	į8" D	2	36	1/2	22/2	11/2	3	33/4C	3/4	113/4	18D
i	24" D	2	48	2	30	2	4	5C	1	151/2	24 D

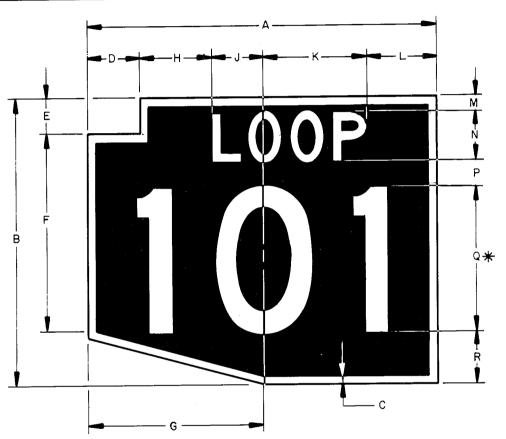
MI-IC SERIES

(FOR USE ON GUIDE SIGNS)

NOTES.

- I.) SHOP DRILL 7/16" HOLES IN INDEPENDENT PANELS. DO NOT DRILL IN LETTER OR NUMERALS.
- 2.) ALL DIMENSIONS IN INCHES.
- 3.) DIMENSIONS ARE NOMINAL.
- 5.) SIGNS SHALL BE REFERENCED BY SIZE EXAMPLE MI-IC (18"D)
- 4.) SIGNS COLORS SHALL BE AS SPECIFIED ABOVE. LEGEND AND BORDER SHALL BE WHITE.
- 5.) OPTICALLY SPACE NUMERALS ABOUT CENTER LINE.

DETAIL APPROVED BY URBAN HIGHWAY ENGINEER	STATE OF ARIZONA DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY URBAN HIGHWAY DETAILS	TION	4/87
APPROVED FOR N DISTRIBUTION N James O. 1914 See	INTERSTATE ROUTE AND SHIELD DETAILS	USM	



*OPTICALLY SPACED NUMERALS ABOUT VERTICAL CENTERLINE

010110		NOMINAL DIMENSIONS (INCHES)														
SIGNS	Α	В	С	D	Е	F	G	Н	J	K	L	M	N	P	Q	R
STD.	30	24	1/2	4 1/2	3	17	15	6	4 1/2	9	6	1 1/4	4 D	2	12D	4 3/4
EXPWY.					ı											
FWY.	45	36	3/4	6 3/4	4 1/2	25 1/2	22 1/2	9	6 3/4	13 1/2	9	17/8-	6 D	3	18D_	7 1/8
SPECIAL	60	48	1	9	6	34	30	12	9	18	12	2 1/2	8D	4	24 D	9 1/2

NOTE:

COLOR OF SIGN SHALL BE AS FOLLOWS: LEGEND AND BORDER - SILVER-WHITE BACKGROUND - INTERSTATE-BLUE M1-5e

DETAIL APPRO	VED BY	STATE OF ARIZONA		REV.
ENSTYEER	9	DEPARTMENT OF TRANSPORTA DIVISION OF HIGHWAY	TION	4/87
ABBROVED FO	12751	URBAN HIGHWAY DETAILS		
DISTRIBUTION	" (W.F	STATE ROUTE SHIELD FOR	DETAIL NO	١,
Janu a.h	M. Hay	INDEPENDENT AND JOINT	USM	-67
V	ì	MOUNTING		

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