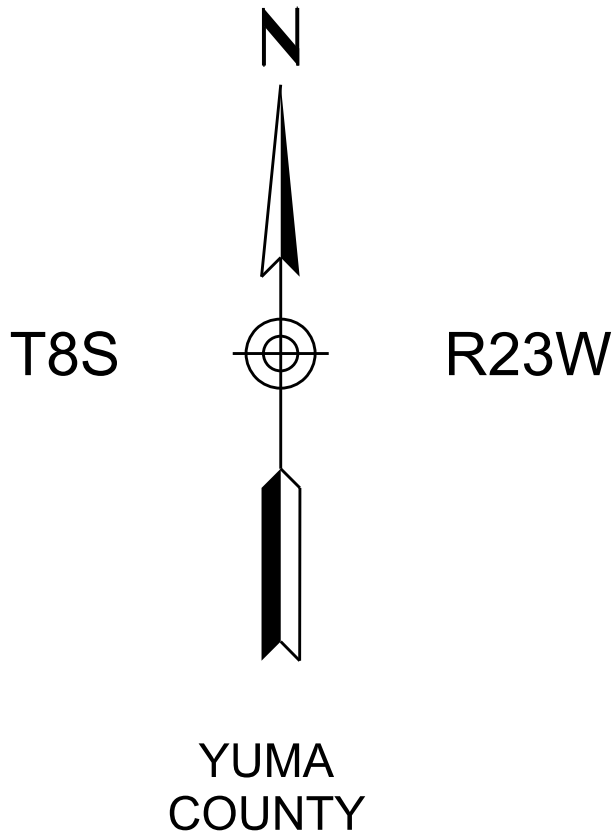
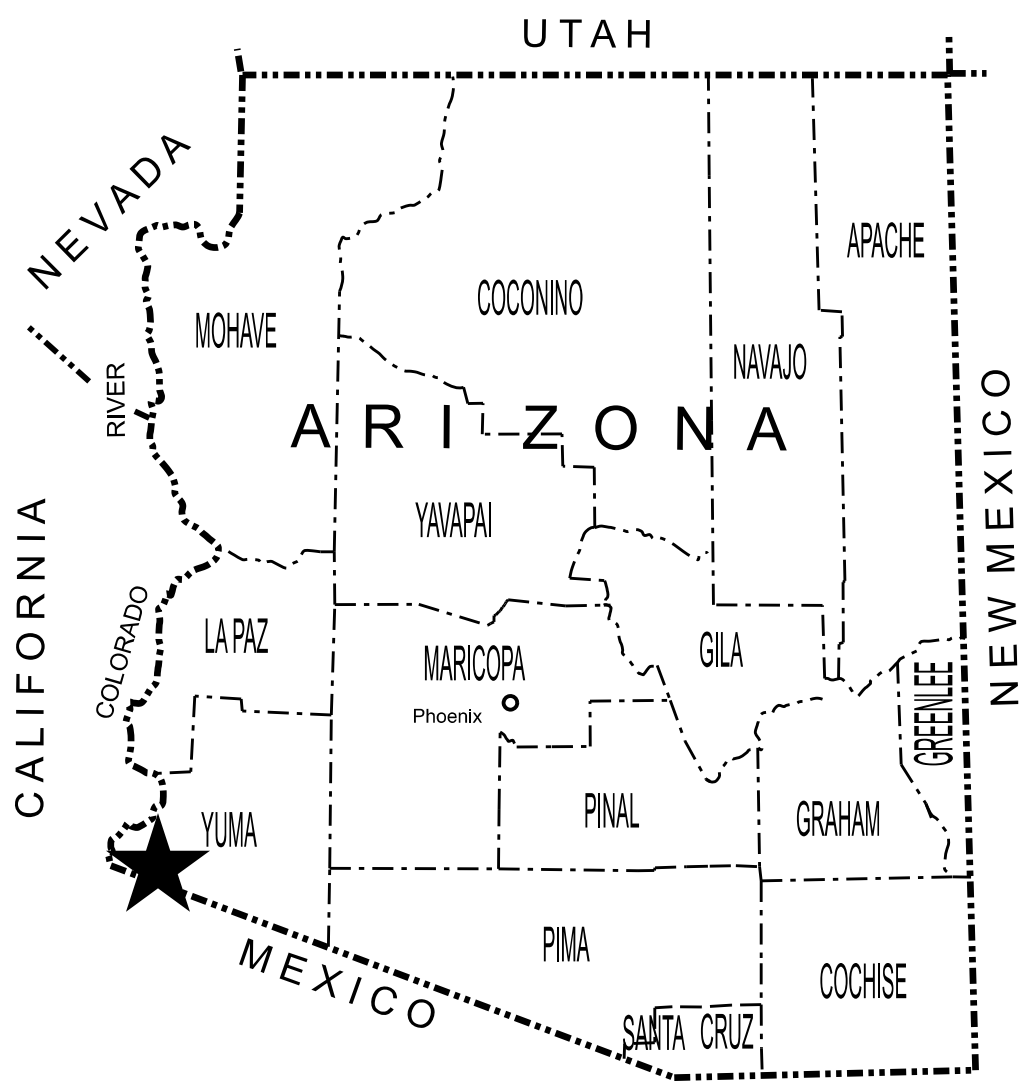


STATE OF ARIZONA
DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
PROJECT PLANS



URBANIZED AREA
CITY OF YUMA



Constructed by:

Construction Company

Completion Date

Red-Lines by:

Construction Administrator Name & Company

Completion Date

Record Drawings by:

Record Drawings Designer Name & Company

Completion Date

VARIOUS LOCATIONS

PROJECT NO: 0000 YU YUM T0409 01C

FEDERAL AID NO: YUM-0(224)T

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
AUDRA MERRICK, P.E., STATE ENGINEER

REC. DWGS. DATA	REC. DWG. DATE	_____ OF _____
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ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS

(SHEET 1 OF 2)

EFFECTIVE MAY 2025

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
6/14	M-1	CURB MARKINGS FOR RAISED MEDIAN AND ISLANDS
1/20	M-2 SHT 1	INTERSECTION STRIPING
5/15	M-2 SHT 2	INTERSECTION STRIPING (TWO-LANE RURAL)
6/14	M-2 SHT 3	CENTERLINE AND REVERSE CURVE DETAILS
6/14	M-3	STRIPING AND DELINEATION FOR FREEWAY TERMINALS
6/14	M-4	PASSING LANE STRIPING DETAILS
6/14	M-5	RAILROAD PAVEMENT MARKINGS
6/14	M-6	WORD MARKINGS
6/14	M-7	PAVEMENT LETTERS
6/14	M-8	PAVEMENT LETTERS
6/14	M-9	PAVEMENT NUMBERS
6/14	M-10 SHT 1	PAVEMENT MARKING SYMBOLS
6/14	M-10 SHT 2	PAVEMENT MARKING SYMBOLS
5/25	M-10 SHT 3	PAVEMENT MARKING SYMBOLS
6/14	M-11	TURN LANE PAVEMENT MARKINGS
6/14	M-12	WRONG-WAY ARROWS
1/19	M-13	PREFERENTIAL LANE PAVEMENT MARKINGS
6/14	M-14	STRIPING AND DELINEATION FOR TRUCK ESCAPE RAMPS
8/20	M-15 SHT 1	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - TAPERED ACCELERATION LANE
8/20	M-15 SHT 2	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - PARALLEL ACCELERATION LANE
8/20	M-15 SHT 3	PAVEMENT MARKING FOR FREEWAY ENTRANCE RAMP - PARALLEL ACCELERATION LANE WITH HOV BYPASS
6/14	M-15 SHT 4	PAVEMENT MARKING FOR FREEWAY PARALLEL - ACCELERATION LANE
8/20	M-16 SHT 1	PAVEMENT MARKING FOR FREEWAY EXIT RAMPS - TAPERED DECELERATION LANE
8/20	M-16 SHT 2	PAVEMENT MARKING FOR FREEWAY EXIT RAMP - PARALLEL DECELERATION LANE
8/20	M-17	FREEWAY LANE DROP PAVEMENT MARKINGS
11/24	M-19 SHT 1	RAISED PAVEMENT MARKER PLAN LEGEND
6/14	M-19 SHT 2	NON-REFLECTIVE RAISED PAVEMENT MARKER DETAILS
11/24	M-19 SHT 3	RETROREFLECTIVE RAISED PAVEMENT MARKER DETAILS
11/24	M-19 SHT 4	RETROREFLECTIVE RAISED PAVEMENT MARKER DETAILS
5/15	M-19 SHT 5	PAVEMENT MARKING DETAILS FOR UNDIVIDED HIGHWAYS
6/14	M-19 SHT 6	RETROREFLECTIVE RAISED PAVEMENT MARKERS (RPM) FOR UNDIVIDED HIGHWAYS
8/20	M-19 SHT 7	FREEWAY AND DIVIDED HIGHWAY EDGE LINE AND LANE STRIPING
5/15	M-19 SHT 8	LANE DROP MARKING AND RAMP OR INTERSECTION GUIDE STRIPING
8/20	M-19 SHT 9	PAVEMENT MARKING CROSS-SECTION DETAILS FOR HIGHWAYS AND FREEWAYS
6/24	M-19 SHT 10	CONTRAST LANE LINE FOR FREEWAY AND DIVIDED HIGHWAY
10/23	M-19 SHT 11	LEAD-LAG CONTRAST PAVEMENT MARKINGS FOR CONCRETE PAVEMENT

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
6/14	M-20 SHT 1	CHIP SEAL MARKER USAGE FOR TEMPORARY MARKERS
6/14	M-20 SHT 2	CHIP SEAL MARKER USAGE FOR TEMPORARY MARKERS
6/14	M-21	TRANSVERSE RUMBLE STRIP DETAILS
9/21	M-22 SHT 1	LONGITUDINAL RUMBLE STRIP GROOVE, PATTERN - AND LOCATION DETAILS
9/21	M-22 SHT 2	LONGITUDINAL RUMBLE STRIP EXCEPTION DETAILS
9/21	M-22 SHT 3	ENTRANCE AND EXIT RAMPS RUMBLE STRIP INSTALLATION DETAILS
3/22	M-22 SHT 4	CENTERLINE RUMBLE STRIP GROOVE, PATTERN - AND LOCATION DETAILS
6/14	M-23	OBJECT MARKER DETAILS
6/14	M-24	OBJECT MARKER PLACEMENT DETAILS
2/21	M-26 SHT 1	DELINEATOR PLACEMENT AND SPACING
2/21	M-26 SHT 2	DELINEATOR PLACEMENT AND SPACING
2/21	M-26 SHT 3	FLEXIBLE DELINEATOR ASSEMBLIES
2/21	M-26 SHT 4	SQUARE STEEL POST DELINEATOR
2/21	M-26 SHT 5	DELINEATOR FOUNDATION DETAILS
2/21	M-27 SHT 1	DELINEATION DETAILS FOR MEDIAN CROSSEOVERS
2/21	M-27 SHT 2	DELINEATION DETAILS FOR MEDIAN CROSSEOVERS
6/14	M-29	OFF- MAINLINE REFERENCE MARKER LOCATION DETAIL
6/14	M-30	OFF- MAINLINE REFERENCE MARKER DETAILS
6/14	M-32	BRIDGE AND BARRIER MARKER DETAILS
6/14	M-33	BRIDGE AND BARRIER MARKER PLACEMENT AND INSTALLATION DETAILS
6/14	M-34	GUARDRAIL END TERMINAL DELINEATION DETAILS
6/14	M-35	OBJECT MARKER FOR SAND BARREL CRASH CUSHION

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
		NAME	DATE
SIGNING & MARKING STANDARDS		D. SMITH	7/26
PROJECT NO.			
0000 YU YUM T0409 01C		1B-1	OF 19
RECORD DRAWING DATA	FEDERAL ID NO. YUM-0(224)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNING & MARKING STANDARDS

(SHEET 2 OF 2)

EFFECTIVE MAY 2025

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
4/19	S-1 SHT 1	GENERAL SIGNING NOTES
6/14	S-2 SHT 1	S & W BREAKAWAY POST SELECTION CHART
6/14	S-2 SHT 2	S & W BREAKAWAY POST INSTALLATION DETAILS
6/14	S-3 SHT 1	FLAT SHEET SIGNS SQUARE TUBE POST GENERAL NOTES
6/14	S-3 SHT 2	SINGLE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 12, 18 AND 24 INCH WIDTHS
6/14	S-3 SHT 3	SINGLE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 30, 36, 42 AND 54 INCH WIDTHS
6/14	S-3 SHT 4	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 36, 42 AND 48 INCH WIDTHS
6/14	S-3 SHT 5	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 54, 60 AND 72 INCH WIDTHS
6/14	S-3 SHT 6	TWO POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 84 - 144 INCH WIDTHS
6/14	S-3 SHT 7	THREE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 48, 60 AND 72 INCH WIDTHS
6/14	S-3 SHT 8	THREE POST FLAT SHEET RECTANGULAR SIGN ASSEMBLY - 84 - 144 INCH WIDTHS
6/14	S-3 SHT 9	WARNING SIGN ASSEMBLY - SINGLE POST
6/14	S-3 SHT 10	WARNING SIGN ASSEMBLY - TWO POST
6/14	S-3 SHT 11	WARNING SIGN ASSEMBLY - THREE POST
6/14	S-3 SHT 12	MULTIPLE ROUTE MARKER ASSEMBLIES
6/14	S-3 SHT 13	SPECIAL SIGN ASSEMBLIES
6/14	S-3 SHT 14	STRINGER DETAILS FOR SQUARE TUBE POSTS
6/14	S-3 SHT 15	SQUARE TUBE SIGN POST FOUNDATION
6/14	S-3 SHT 16	SQUARE TUBE POST SLIP BASE DETAILS
6/14	S-4	W SHAPE BREAKAWAY POST FUSE PLATE AND HINGE DETAILS
6/22	S-5	W SHAPE BREAKAWAY POST DETAILS
6/22	S-6	S4x7.7 BREAKAWAY POST DETAILS
6/14	S-7 SHT 1	ALUMINUM EXTRUSION SIGN PANEL DETAILS
6/14	S-7 SHT 2	ALUMINUM EXTRUSION AUXILIARY SIGN INSTALLATION DETAILS
5/15	S-7 SHT 3	ALUMINUM EXTRUSION EXIT PANEL INSTALLATION DETAIL
6/14	S-8 SHT 1	FLAT SHEET ALUMINUM PANEL ON BREAKAWAY POSTS INSTALLATION DETAIL
6/14	S-8 SHT 2	ALUMINUM EXTRUSION SIGN TO PERFORATED POSTS INSTALLATION DETAIL
8/22	S-9 SHT 1	SIGN INSTALLATION ON POLE
8/22	S-9 SHT 2	SIGNS (BACK TO BACK) INSTALLATION ON POLE
8/22	S-9 SHT 3	SIGN INSTALLATION ON SIGNAL POLE
8/22	S-9 SHT 4	SIGN INSTALLATION ON POLE BAND-TYPE CLAMP
6/14	S-10	MILEPOST AND REFERENCE LOCATION SIGNS
11/22	S-11 SHT 1	TAPERED TUBE SIGN STRUCTURE SINGLE BEAM
4/19	S-11 SHT 2	TAPERED TUBE SIGN STRUCTURE SINGLE BEAM POST AND BEAM DETAILS

REVISION DATE	STANDARD NUMBER	SUBJECT : SIGNING AND MARKING DETAILS
6/14	S-12 SHT 1	TYPE A, B, AND DOWN ARROWS
6/14	S-12 SHT 2	TYPE C AND D ARROWS
6/14	S-12 SHT 3	C2 ARROW DETAIL
6/14	S-13	SIGN IDENTIFICATION DETAILS
6/14	S-14 SHT 1	ROTATING OPEN/CLOSED SIGN
6/14	S-14 SHT 2	ROTATING OPEN/CLOSED SIGN DETAILS
6/14	S-14 SHT 3	ROTATING OPEN/CLOSED SIGN MOUNTING DETAILS
6/14	S-15 SHT 1	FOLDING RECTANGULAR SIGN ASSEMBLY
6/14	S-15 SHT 2	FOLDING RECTANGULAR SIGN OPERATION
6/14	S-15 SHT 3	FOLDING DIAMOND SIGN ASSEMBLY
4/19	S-16 SHT 1	TEMPORARY WOOD POSTS
4/19	S-16 SHT 2	TEMPORARY WOOD POSTS SELECTION CHART
6/14	S-17	END OF ROAD BARRICADE
7/19	S-18 SHT 1	ALUMINUM GRAFFITI SHIELD EXIT AND GUIDE SIGN ASSEMBLY
7/19	S-18 SHT 2	ALUMINUM GRAFFITI SHIELD RIGHT RIDER SIDE PANEL
7/19	S-18 SHT 3	ALUMINUM GRAFFITI SHIELD LEFT RIDER SIDE PANEL
7/19	S-18 SHT 4	ALUMINUM GRAFFITI SHIELD CORNER
7/19	S-18 SHT 5	ALUMINUM GRAFFITI SHIELD SPLICE PLATE
7/19	S-18 SHT 6	ALUMINUM GRAFFITI SHIELD FIN
7/19	S-18 SHT 7	ALUMINUM GRAFFITI SHIELD TOP PANEL
7/19	S-18 SHT 8	ALUMINUM GRAFFITI SHIELD SIDE PANEL
7/19	S-18 SHT 9	ALUMINUM GRAFFITI SHIELD RIGHT TRANSITION FROM RIDER
7/19	S-18 SHT 10	ALUMINUM GRAFFITI SHIELD LEFT TRANSITION FROM RIDER
7/19	S-18 SHT 11	ALUMINUM GRAFFITI SHIELD SPLICE PLATE FOR FIN
12/18	C-1	SAND BARREL CRASH CUSHION
12/18	C-2	SAND BARREL CRASH CUSHION TYPICAL INSTALLATION
6/14	C-3 SHT 1	PRECAST CONCRETE BARRIER STRUCTURAL DETAILS
6/14	C-3 SHT 2	PRECAST CONCRETE BARRIER PIN AND LOOP ASSEMBLY
6/14	C-4 SHT 1	MEDIAN CROSSOVER
6/14	C-4 SHT 2	TYPICAL END TREATMENTS FOR DETOURS USING TEMPORARY CONCRETE BARRIER (TCB)
6/14	C-5 SHT 1	APPROACH PLATE AND TRANSITION SECTION FOR TEMPORARY CONCRETE BARRIER
6/14	C-5 SHT 2	APPROACH PLATE AND TRANSITION SECTION FOR TEMPORARY CONCRETE BARRIER

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
		NAME	DATE
SIGNING & MARKING STANDARDS		D. SMITH	7/26
PROJECT NO. 0000 YU YUM T0409 01C			1B-2 OF 19
RECORD DRAWING DATA	FEDERAL ID NO. YUM-0(224)T	REC. DWG. DATE	OF

ADOT STANDARD DRAWINGS

TRAFFIC SIGNAL AND LIGHTING STANDARDS
(SHEET 1 OF 2)
EFFECTIVE NOVEMBER 2024

REVISION DATE	STANDARD NUMBER	SUBJECT : TRAFFIC SIGNALS AND LIGHTING DETAILS
	T.S. 0	ABBREVIATIONS, SYMBOLS AND DEFINITIONS
05/15	0-1	STANDARD ABBREVIATIONS
01/12	0-2 SHT 1	PLAN SYMBOLS
01/12	0-2 SHT 2	PLAN SYMBOLS
01/12	0-2 SHT 3	PLAN SYMBOLS
03/10	0-3 SHT 1	STANDARD DEFINITIONS
03/10	0-3 SHT 2	STANDARD DEFINITIONS
11/22	0-4	REFERENCE DOCUMENTS AND GENERAL REQUIREMENTS
	T.S. 1	PULL BOXES
03/15	1-2	HEAVY DUTY NO. 5 AND NO. 7 STRAIGHT BODY WALL PULL BOX DETAILS
09/11	1-3	REPLACEMENT LID SIZING FOR EXISTING NO. 5 AND NO. 7 PULL BOXES
09/11	1-4 SHT 1	TYPICAL PULL BOX INSTALLATION AND WIRING DETAILS
09/11	1-4 SHT 2	TYPICAL PULL BOX INSTALLATION AND WIRING DETAILS
09/11	1-4 SHT 3	TYPICAL PULL BOX INSTALLATION DETAILS
09/11	1-5 SHT 1	ELECTRICAL CONDUIT COVER AND TRENCH REQUIREMENTS
09/11	1-5 SHT 2	CONDUIT EXPANSION COUPLINGS
09/11	1-6	CONDUCTOR REQUIREMENTS
03/10	1-7	TRAFFIC SIGNAL IMSA CABLE COLOR CODES
09/11	1-8 SHT 1	FRONT OF BARRIER JUNCTION BOX
09/11	1-8 SHT 2	BACK OF BARRIER JUNCTION BOX
09/11	1-9	TOP OF BARRIER JUNCTION BOX DETAILS
09/11	1-10	TOP OF BARRIER JUNCTION BOX DETAILS
10/13	1-11 SHT 1	HEAVY DUTY LIGHTING NO. 4 AND NO. 6 PULL BOX
10/13	1-11 SHT 2	HEAVY DUTY LIGHTING NO. 4 AND NO. 6 PULL BOX
03/15	1-11 SHT 3	HEAVY DUTY LIGHTING NO. 4 AND NO. 6 PULL BOX LID
03/15	1-12 SHT 1	PRECAST HEAVY DUTY LIGHTING NO. 4B AND NO. 6B PULL BOX
03/15	1-12 SHT 2	PRECAST HEAVY DUTY LIGHTING NO. 4B AND NO. 6B PULL BOX
	T.S. 2	FOUNDATIONS
03/10	2-1	FOUNDATION FOR TYPE II LOAD CENTER CABINET
03/10	2-2	FOUNDATION FOR TYPE IV LOAD CENTER CABINET
03/10	2-3	FOUNDATION FOR TYPE III CONTROL CABINET
03/10	2-4	FOUNDATION FOR TYPE IV AND V CONTROL CABINETS
03/10	2-5	FOUNDATION FOR TYPE 340 CONTROL CABINET
03/10	2-6	METER PEDESTAL CABINET FOUNDATION AND BASE
03/15	2-7	TRAFFIC SIGNAL UPS CABINET FOUNDATION DETAIL
	T.S. 3	CABINETS
12/12	3-0	NOTES FOR TYPE II AND IV LOAD CENTER CABINETS
03/10	3-1	TYPE II LOAD CENTER CABINET
03/10	3-2	TYPE IV LOAD CENTER CABINET
03/10	3-3	TYPE II OR IV LOAD CENTER CABINET WIRING DETAILS 240/480 3W W/DISCONNECT
03/10	3-4 SHT 1	PHOTO ELECTRIC CELL MOUNTING DETAILS
03/10	3-4 SHT 2	PHOTO ELECTRIC CELL MOUNTING DETAILS
03/10	3-5 SHT 1	TYPE I AND II METER PEDESTAL CABINET
12/12	3-5 SHT 2	METER PEDESTAL CABINET
03/10	3-6	TYPE III CONTROL CABINET
03/10	3-7	POLE MOUNTED TYPE III CONTROL CABINET
03/10	3-8 SHT 1	POLE MOUNT DETAILS FOR TYPE III CONTROL CABINET
03/10	3-8 SHT 2	POLE MOUNT DETAILS FOR TYPE III CONTROL CABINET
03/10	3-9 SHT 1	TYPE IV AND V CONTROL CABINET NOTES
03/10	3-9 SHT 2	TYPE IV CONTROL CABINET
03/10	3-9 SHT 3	TYPE V CONTROL CABINET
03/10	3-10	CABINET EXTENSION OR ELEVATOR BASE
03/10	3-11	CONTROL CABINET MOUNTED SERVICE ENCLOSURE
03/10	3-12 SHT 1	120/240 OR 240/480 VOLT, SINGLE PHASE UTILITY PULL SECTION AND SERVICE DISCONNECT DETAILS
03/10	3-12 SHT 2	120/240 OR 240/480 VOLT, SINGLE PHASE UTILITY PULL SECTION AND SERVICE DISCONNECT DETAILS
03/10	3-13 SHT 1	TRAFFIC SIGNALS AND LIGHTING MODEL 345 CABINET DETAILS
03/10	3-13 SHT 2	TRAFFIC SIGNALS AND LIGHTING MODEL 345 CABINET DETAILS
03/10	3-13 SHT 3	TRAFFIC SIGNALS AND LIGHTING MODEL 345 CABINET CAGE DETAILS

REVISION DATE	STANDARD NUMBER	SUBJECT : TRAFFIC SIGNALS AND LIGHTING DETAILS
	T-SL. 4	POLES AND POSTS
11/22	4.01	TYPE A POLE
11/22	4.02	TYPE S POLE
11/22	4.03	TYPE T POLE
11/22	4.04	TYPE S AND TYPE T STEEL TWIN LUMINAIRE MOUNTING BRACKET AND EXTENSIONS
11/22	4.05	ALUMINUM TYPE S POLE
11/22	4.06	ALUMINUM TYPE T POLE
11/22	4.07	TYPE G POLE
11/22	4.10	ALUMINUM TYPE I POLE
11/22	4.11	GENERAL NOTES FOR TRAFFIC SIGNALS AND LIGHTING POLES WITH MAXIMUM LOADING CASE
04/19	4.12	TYPE J POLES (25-J, 30-J, 35-J, AND 40-J) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH
04/19	4.13	TYPE Q POLES (25-QL, 30-QL, 35-QL, AND 40-QL) WITH 25 FT TO 40 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
04/19	4.14	TYPE K POLES (45-K, 50-K, AND 55-K) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH
04/19	4.15	TYPE R POLES (45-RL, 50-RL, AND 55-RL) WITH 45 FT TO 55 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
11/22	4.16	TYPE V POLES (60-V AND 65-V) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH
11/22	4.17	TYPE W POLES (60-WL AND 65-WL) WITH 60 FT TO 65 FT MAST ARM SPAN LENGTH WITH LUMINAIRES
11/22	4.18	POLE HAND HOLE DETAILS
11/22	4.19	TYPE U POLE (ELLIPTICAL BASE) DETAILS
11/22	4.20	TYPE U POLE (ROUND POLE WITH SQUARE BASE) NOTES
04/19	4.21	TYPE U POLE (ROUND POLE WITH SQUARE BASE) FOUNDATION DETAILS
04/19	4.22	TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 1
04/19	4.23	TYPE U POLE (ROUND POLE WITH SQUARE BASE) DEATILS 2
04/19	4.24	TYPE U POLE (ROUND POLE WITH SQUARE BASE) PIPE TENON DETAILS
04/19	4.25	TYPE U POLE (ROUND POLE WITH SQUARE BASE) TWIN LUMINAIRE BRACKET DETAILS
04/19	4.26	EQUIPMENT MOUNTING HEIGHT DETAILS
04/19	4.27	PEDESTRIAN PUSH BUTTON POST "TYPE PB POLE"
11/22	4.28	POLE FOUNDATION ANCHOR BOLTS
04/19	4.29	STEEL MAST ARM DETAILS LUMINAIRE AND SIGNAL ARMS TO 20'
04/19	4.30	ALUMINUM TRUSS MAST ARM DETAILS FOR TYPE G, H, AND I POLES
04/19	4.31	SIGNAL MAST ARM TENON DETAIL
04/19	4.32	TYPICAL HIGHWAY LIGHTING OFFSETS IN CUT AND FILL SECTIONS
11/22	4.33	STEEL ADAPTER PLATE FOR 30 FT ALUMINUM TYPE "G" OR TYPE "S" LIGHT POLES
	T.S. 5	POLE BASES - SPECIAL
11/24	5-0	TYPE 2 AND 3 CAST ALUMINUM BREAK-AWAY BASES
04/19	5-1	TYPE 2 CAST ALUMINUM BREAK-AWAY BASE
04/19	5-2	TYPE 3 CAST ALUMINUM BREAK-AWAY BASE
05/21	5-3	INSTALLATION DETAILS FOR POLE FOUNDATIONS WITH TYPE 2 AND 3 BREAK-AWAY BASES
	T.S. 6	HIGHWAY TRAFFIC DATA DETECTORS
03/10	6-1	TYPE C VEHICLE DETECTOR LOOPS FOR TRAFFIC COUNTERS
03/10	6-2 SHT 1	TYPE SA AND SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	6-2 SHT 2	TYPE SA SPEED/VEHICLE CLASSIFICATION SYSTEMS
03/10	6-2 SHT 3	TYPE SB SPEED/VEHICLE CLASSIFICATION SYSTEMS
12/12	6-3	PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
12/12	6-4 SHT 1	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
12/12	6-4 SHT 2	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/15	6-4 SHT 3	DETAIL A PIEZOELECTRIC SENSOR DETAILS
12/12	6-4 SHT 4	DETAIL B DETECTOR LOOP DETAILS
12/12	6-4 SHT 5	DETECTOR LOOPS AND PIEZOELECTRIC SENSOR DETAILS
03/10	6-5	MICROLOOPS FOR SPEED/VEHICLE CLASSIFICATION
03/10	6-6	QUARTZ PIEZOELECTRIC WEIGHT SENSOR AND LOOP LANE LAYOUT
03/10	6-7	TRAFFIC DATA COLLECTION CABINET INSTALLATION DETAILS
03/10	6-8	TYPE MPD CABINET POLE, BASE AND FOUNDATION INSTALLATION DETAILS

ADOT STANDARD DRAWINGS REVISION DATES and STANDARD NO.'s REVIEW			
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TRAFFIC SIGNAL & LIGHTING STANDARDS		D. SMITH	7/26
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ADOT STANDARD DRAWINGS

TRAFFIC SIGNAL AND LIGHTING STANDARDS

(SHEET 2 OF 2)

EFFECTIVE NOVEMBER 2024

REVISION DATE	STANDARD NUMBER	SUBJECT : TRAFFIC SIGNALS AND LIGHTING DETAILS
	T.S. 7	TRAFFIC SIGNAL DETECTORS
03/10	7-1 SHT 1	LOOP DETECTOR LOCATION SAWCUT PATTERNS AND INSTALLATION DETAILS
03/10	7-1 SHT 2	SAW CUT AND CORING DETAILS
03/15	7-1 SHT 3	SAW CUT AND CORING DETAILS
03/10	7-1 SHT 4	TYPICAL DETECTOR LOOP LEAD-IN ROAD TO PULL BOX DETAIL
03/10	7-1 SHT 5	LOOP DETECTOR LOCATION AND INSTALLATION DETAILS
03/10	7-2	PRE-FORMED LOOP DETECTORS FOR RAMP METERING AND COUNTING
03/10	7-3	PRE-FORMED LOOP DETECTORS IN BRIDGE DECK
03/10	7-4	PRE-FORMED LOOP DETECTORS IN PCCP
03/10	7-5	TYPICAL PRE-FORMED LOOP DETECTOR STUB-OUT DETAIL
	T.S. 8	SIGNAL ASSEMBLIES
12/23	8-0	TRAFFIC SIGNAL VEHICLE FACE ASSEMBLY REQUIREMENTS AND DETAILS
12/23	8-1	VEHICLE TRAFFIC SIGNAL FACE ASSEMBLY
12/23	8-2	VEHICLE TRAFFIC SIGNAL FACE ASSEMBLY
10/13	8-4 SHT 1	12-INCH VEHICLE TRAFFIC SIGNAL HOUSING/SECTION
01/12	8-4 SHT 2	12-INCH VEHICLE TRAFFIC SIGNAL HOUSING/SECTION NOTES
01/12	8-4 SHT 3	VEHICLE TRAFFIC SIGNAL HOUSING/SECTION DETAILS
03/10	8-4 SHT 4	VISORS FOR 8-INCH AND 12-INCH VEHICLE TRAFFIC SIGNAL FACE ASSEMBLIES
01/12	8-5	FLASHING BEACON SIGNAL FACE ASSEMBLY
01/12	8-6	LED LAMP FOR PROGRAMMED VISIBILITY SIGNAL
01/12	8-7 SHT 1	PEDESTRIAN SIGNAL ASSEMBLY REQUIREMENTS AND DETAILS
01/12	8-7 SHT 2	PEDESTRIAN SIGNAL ASSEMBLY HOUSING
01/12	8-7 SHT 3	PEDESTRIAN SIGNAL ASSEMBLY VISOR
	T.S. 9	MOUNTING ASSEMBLIES - SIGNAL
03/10	9-0 SHT 1	MOUNTING ASSEMBLY GENERAL REQUIREMENTS
03/10	9-0 SHT 2	MOUNTING ASSEMBLY GENERAL REQUIREMENTS
03/10	9-1	TYPE I AND II MOUNTING ASSEMBLIES
03/10	9-2	TYPE III AND IV MOUNTING ASSEMBLIES
10/13	9-3	TYPE V MOUNTING ASSEMBLY
03/10	9-4	TYPE VI MOUNTING ASSEMBLY
03/10	9-5	TYPE VII MOUNTING ASSEMBLY
03/10	9-6	TYPE VIII MOUNTING ASSEMBLY
03/10	9-7	TYPE IX MOUNTING ASSEMBLY
03/10	9-8	TYPE X MOUNTING ASSEMBLY
03/10	9-9	TYPE XI MOUNTING ASSEMBLY
	T.S. 10	MOUNTING CASTINGS - SIGNAL
03/10	10-1	MISCELLANEOUS SIGNAL MOUNTING PARTS
03/10	10-2	MAST ARM SIGNAL MOUNTING PLUMBIZER
03/10	10-3	SIGNAL MOUNTING POLE PLATE DETAILS
03/10	10-4	TERMINAL COMPARTMENT, SIDE MOUNTED AND POLE TOP MOUNTED
	T.S. 11	PEDESTRIAN DETAILS
03/15	11-1	TYPE I PEDESTRIAN PUSH BUTTON HOUSING ASSEMBLY
03/15	11-2	CAN STYLE PEDESTRIAN PUSH BUTTON
	T.S. 12	FLASHERS
03/10	12-1 SHT 1	ADVANCE WARNING FLASHER POLE DETAIL
03/10	12-1 SHT 2	ADVANCE WARNING FLASHER POLE SIGN MOUNTING DETAILS
03/10	12-1 SHT 3	ADVANCE WARNING FLASHER POLE DETAIL
	T.S. 13	ILLUMINATION - SIGNS
03/10	13-1	SIGN LIGHTING DETAIL FOR TUBULAR SIGN STRUCTURES
03/10	13-2	FUSE PANEL DETAILS FOR SIGN LIGHTING
03/15	13-3	PLACEMENT OF LIGHTING FIXTURES FOR OVERHEAD SIGNS
	T.S. 14	ILLUMINATION - SPECIAL
03/10	14-1 SHT 1	HIGH PRESSURE SODIUM (HPS) LAMPS
03/10	14-1 SHT 2	HIGH PRESSURE SODIUM (HPS) LAMPS
03/10	14-1 SHT 3	HIGH PRESSURE SODIUM (HPS) LAMPS
03/10	14-2	PEDESTRIAN BRIDGE LIGHTING DETAILS

REVISION DATE	STANDARD NUMBER	SUBJECT : TRAFFIC SIGNALS AND LIGHTING DETAILS
	T.S 15	SPAN WIRE SIGNALS AND LIGHTING
		GENERAL NOTES
04/19	15-0 SHT 2	GENERAL NOTES
04/19	15-0 SHT 3	GENERAL NOTES
04/19	15-1 SHT 1	STEEL POLE TYPICAL DETAILS
04/19	15-1 SHT 2	STEEL POLE FOUNDATION DETAILS
04/19	15-1 SHT 3	STEEL POLE ATTACHMENT DETAILS
04/19	15-1 SHT 4	WOOD POLE TYPICAL DETAILS
04/19	15-1 SHT 5	WOOD POLE TYPICAL DETAILS
04/19	15-1 SHT 6	TYPICAL DETAILS
01/12	15-2	HANGER AND BALANCE ADJUSTER TYPICAL DETAILS
01/12	15-3 SHT 1	SIGNAL ASSEMBLY DETAILS
01/12	15-3 SHT 2	CONDUCTOR ENTRANCE HEADS TYPE A, B AND C
01/12	15-3 SHT 3	ALUMINUM PIPE EXTENSION AND TYPICAL DETAILS
01/12	15-4 SHT 1	ADJUSTABLE SIGN HANGER TYPICAL DETAILS
01/12	15-4 SHT 2	ADJUSTABLE SIGN HANGER TYPICAL DETAILS
01/12	15-4 SHT 3	ADJUSTABLE SIGN HANGER TYPICAL DETAILS
01/12	15-5	ADJUSTABLE HANGER TOP AND EXTENSION DETAILS
01/12	15-6	SIGNAL TETHER CLAMP TYPICAL DETAILS
01/12	15-7	POLE BAND TYPICAL DETAILS
01/12	15-8	WEATHERHEAD TYPICAL DETAILS

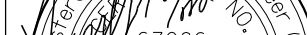
ADOT STANDARD DRAWINGS			
REVISION DATES and STANDARD NO.'s REVIEW			
TRAFFIC SIGNAL AND LIGHTING STANDARDS		NAME D. SMITH	DATE 7/26
PROJECT NO. 0000 YU YUM T0409 01C		1C-2	OF 19
RECORD DRAWING DATA	FEDERAL ID NO. YUM-0(224)T	REC. DWG. DATE	OF

Sheet No.	Dwg. No.	Sheet Type
<i>GENERAL</i>		
1		Face Sheet ADOT Standard Drawing
2	G-01.01	Design Data Sheet
3-7	G-01.02 - G-02.03	Special Details (City of Yuma)

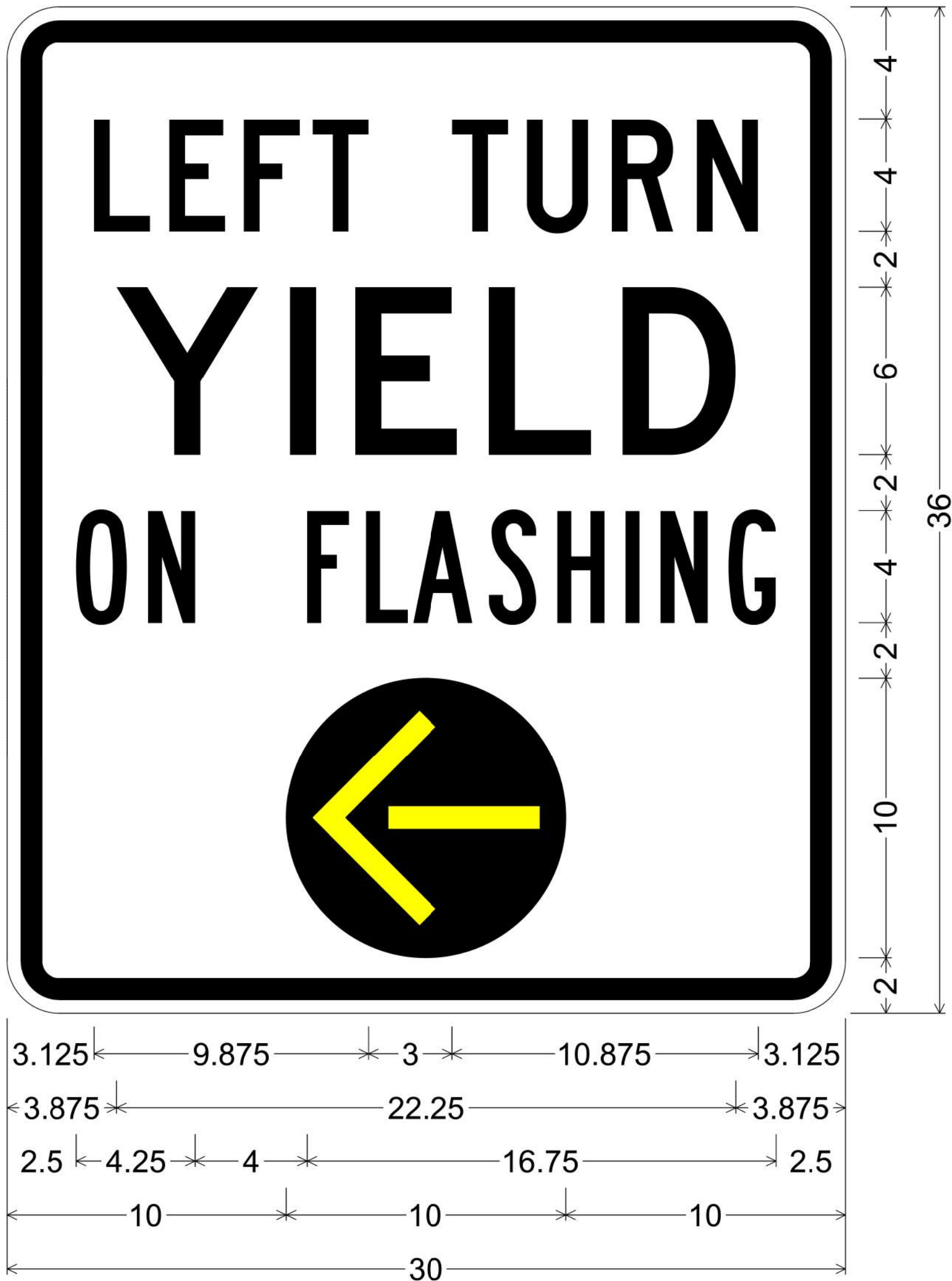
8	T-01.01	Traffic Control General Notes
9	T-01.02	Maintenance of Traffic - Construction Sequence
10	T-01.03	Maintenance of Traffic - Standard Details
11	T-01.04	Maintenance of Traffic - Advanced Signing Details
12	T-01.05	Maintenance of Traffic - Quantity Summary
13	T-02.01	Traffic Signal General Notes
14-19	T-02.02 - T-02.07	Traffic Signal Plans

1. All work shall take place within existing right-of-way.
2. All utilities shown on the plans are approximate locations. The contractor shall comply with all current Blue Stake Laws and Section 107.15 of the specifications.
3. Average Project Elevation
24th Street and Avenue A = 204.00'
32nd Street and Avenue 2E = 210.00'
32nd Street and Avenue 7E = 216.00'

24th Street = 35 mph
32nd Street = 45 mph
Avenue A = 35 mph
Avenue 2E = 40 mph
Avenue 7E = 30 mph

			NAME		DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	DESIGN	J. FREITAS	07/26	000	ARIZ.		0000 YU YUM		YUM-0(224)T	2	19			
	DRAWN	S. LICARI	07/26	MILEPOST										
	CHECKED	D. SMITH	07/26	STRUCTURE NO.	LOCATION					3 CITYWIDE TURN SIGNAL LOCATIONS			DWG NO.	G-01.01
				DESIGN DATA SHEET				TRACS NO.		T0409 01C		OF		

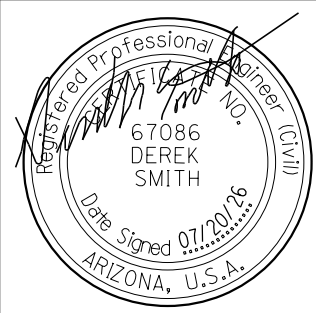
CODE: R10-101
SIZE: 30" x 36"
STANDARD



R10-101(30x36-STD)WHT;
1.875" Radius, 0.750" Border, 0.500" Indent, Black on White;
"LEFT TURN" C; "YIELD" D; "ON FLASHING" B;
FYA symbol;

DETAIL A1

DETAIL A
SIGN DETAIL

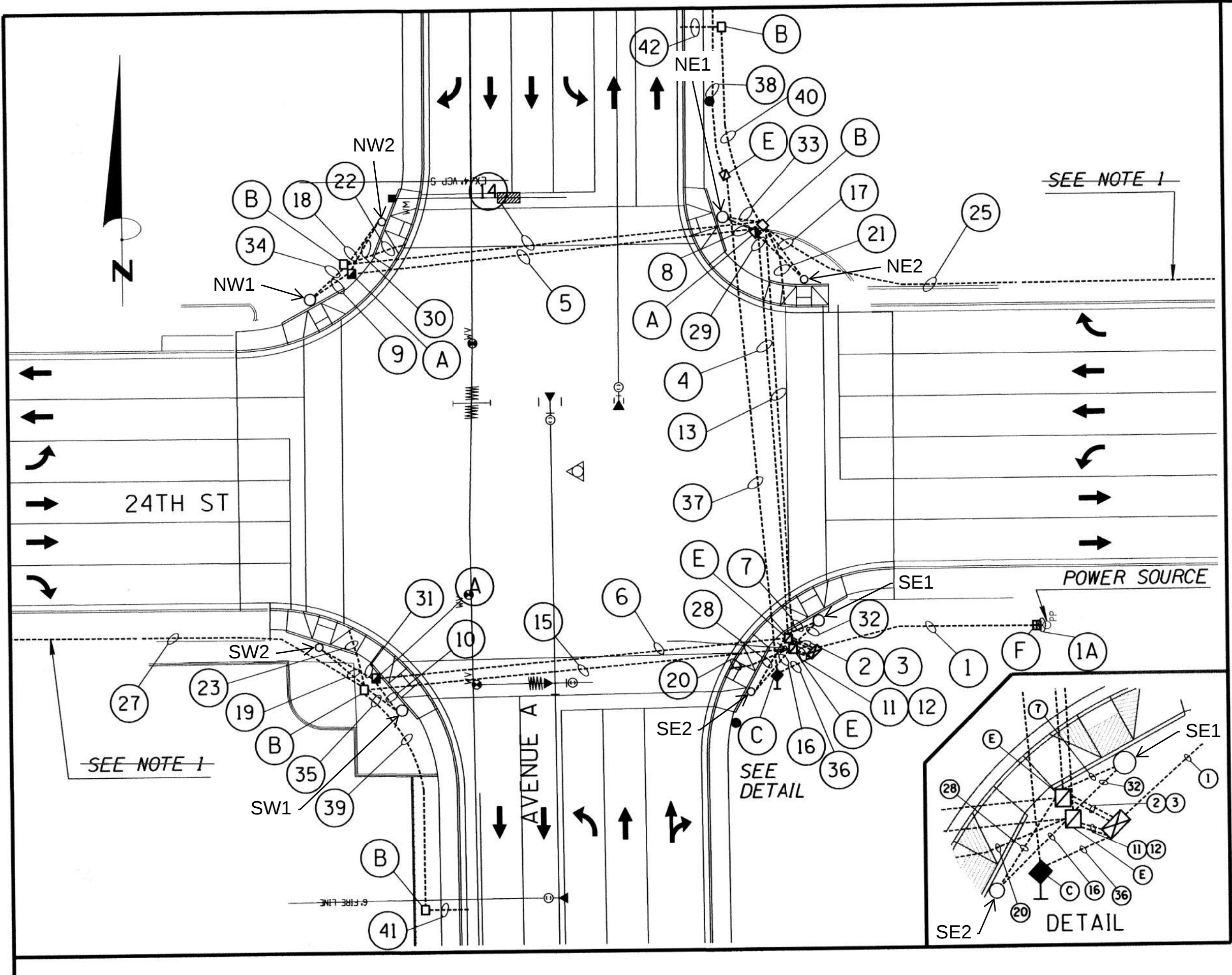


	NAME	DATE
DESIGN	J. FREITAS	07/26
DRAWN	S. LICARI	07/26
CHECKED	D. SMITH	07/26

PARSONS
1050 W. WASHINGTON STREET SUITE 114
TEMPE, ARIZONA 85288

ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE 000
Traffic Signal Detail Sheet Detail A	MILEPOST
	STRUCTURE NO.

F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 YU YUM	FEDERAL ID NO. YUM-0(224)T	SHEET NO. 3	TOTAL SHEETS 19	RECORD DRAWING
LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS						DWG NO. G-01.02
TRACS NO. T0409 01C						____ OF ____



Re-wiring Table - 24th Street and Avenue A

CONDUITS AND ENCLOSED CABLES					
Conduit	Pole	Conduit		Size (Inches)	Function
Type	Schedule				
1A		PVC	40	2½	POWER SERVICE RISER
1		PVC	40	2	POWER SERVICE
2		PVC	40	3	SIGNAL CABLES (SIGNALS, STREET LIGHTS, ISNS)
3		PVC	40	3	SIGNAL CABLES (SIGNALS, STREET LIGHTS, ISNS)
4		PVC	40	3	SIGNAL CABLES (SIGNALS, STREET LIGHTS, ISNS)
5		PVC	40	3	SIGNAL CABLES (SIGNALS, STREET LIGHTS, ISNS)
6		PVC	40	3	SIGNAL CABLES (SIGNALS, STREET LIGHTS, ISNS)
7		PVC	40	2	SIGNAL CABLES (SIGNALS, STREET LIGHTS, ISNS)
8		PVC	40	2	SIGNAL CABLES (SIGNALS, STREET LIGHTS, ISNS)
9		PVC	40	2	SIGNAL CABLES (SIGNALS, STREET LIGHTS, ISNS)
10		PVC	40	2	SIGNAL CABLES (SIGNALS, STREET LIGHTS, ISNS)
11		PVC	40	3	PUSH-BUTTON CABLES, LOOP LEAD IN CABLES, PREEMPTOR DETECTOR CABLES *
12		PVC	40	3	PUSH-BUTTON CABLES, LOOP LEAD IN CABLES, PREEMPTOR DETECTOR CABLES *
13		PVC	40	2	PUSH-BUTTON CABLES, LOOP LEAD IN CABLES, PREEMPTOR DETECTOR CABLES *
14		PVC	40	2	PUSH-BUTTON CABLES, LOOP LEAD IN CABLES *
15		PVC	40	2	PUSH-BUTTON CABLES, LOOP LEAD IN CABLES *
16		PVC	40	2	PULL CORD
17		PVC	40	2	PUSH-BUTTON CABLE
18		PVC	40	2	PULL CORD
19		PVC	40	2	PUSH-BUTTON CABLE
20		PVC	40	2	LOOP WIRES
21		PVC	40	2	LOOP WIRES
22		PVC	40	2	LOOP WIRES
23		PVC	40	2	LOOP WIRES
24		PVC	40	2	LOOP WIRES
25		PVC	40	2	LOOP LEAD IN CABLES
26		PVC	40	2	LOOP WIRES
27		PVC	40	2	LOOP LEAD IN CABLES
28		PVC	40	2	SIGNAL CABLES (SIGNALS)
29		PVC	40	2	SIGNAL CABLES (SIGNALS)
30		PVC	40	2	SIGNAL CABLES (SIGNALS)
31		PVC	40	2	SIGNAL CABLES (SIGNALS)
32		PVC	40	2	PUSH-BUTTON CABLES, PREEMPTOR DETECTOR CABLES
33		PVC	40	2	PREEMPTOR DETECTOR CABLES
34		PVC	40	2	PUSH-BUTTON CABLES
35		PVC	40	2	PUSH-BUTTON CABLES
36		PVC	40	4	PULL CORD
37		PVC	40	3	PULL CORD
38		PVC	40	3	PULL CORD
39		PVC	40	2	LOOP LEAD IN CABLE
40		PVC	40	2	LOOP LEAD IN CABLE
41		PVC	40	2	LOOP WIRE
42		PVC	40	2	LOOP WIRE
	NE1				SIGNAL CABLES (SIGNALS, STREETLIGHTS, ISNS), PREEMPTOR DETECTOR CABLES
	NE2				SIGNAL CABLES (SIGNALS), PUSH-BUTTON CABLE
	SE1				SIGNAL CABLES (SIGNALS, STREETLIGHTS, ISNS), PUSH-BUTTON CABLE, PREEMPTOR DETECTOR CABLES
	SE2				SIGNAL CABLES (SIGNALS)
	SW1				SIGNAL CABLES (SIGNALS, STREETLIGHTS, ISNS)
	SW2				SIGNAL CABLES (SIGNALS), PUSH-BUTTON CABLE
	NW1				SIGNAL CABLES (SIGNALS, STREETLIGHTS, ISNS), PUSH-BUTTON CABLE
	NW2				SIGNAL CABLES (SIGNALS)

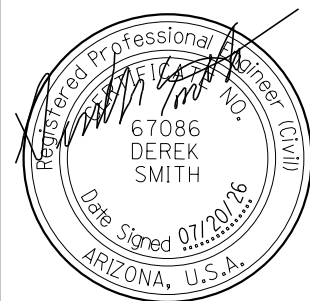
LEGEND: RM=rigid metal, PVC=polyvinylchloride, FO=fiber optic, ISNS=illuminated street name signs
40=Schedule 40 PVC Conduit, 80=Schedule 80 PVC Conduit
* = Conductors with strikethrough shall remain and not be replaced.

Notes:

1. Contractor shall remove existing signal cables and install new cables per City of Yuma Standards as indicated in Rewiring Table this Sheet.
2. Fiber Optic Interconnect Cabling, loop detectors within pavement, and power service cables (in conduits 1 & 1A) shall remain in place.
3. New wiring shall conform to 25 conductor IMSA Spec 19-1 14AWG 25C, 7C, and 4C.
4. Existing loop wire, loop lead-in cables, and pre-emptor detector cables shall remain.
5. See City of Yuma Standard 9-110 for additional wiring details.

DETAIL B1

DETAIL B
REWIRING DETAIL



	NAME	DATE
DESIGN	J. FREITAS	07/26
DRAWN	S. LICARI	07/26
CHECKED	D. SMITH	07/26

PARSONS
1050 W. WASHINGTON STREET SUITE 114
TEMPE, ARIZONA 85288

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

24th Street and Avenue A
Rewiring Detail Sheet
Detail B

ROUTE

000

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE

ARIZ.

PROJECT NO.

0000 YU YUM

FEDERAL ID NO.

YUM-0(224)T

SHEET NO.

4

TOTAL SHEETS

19

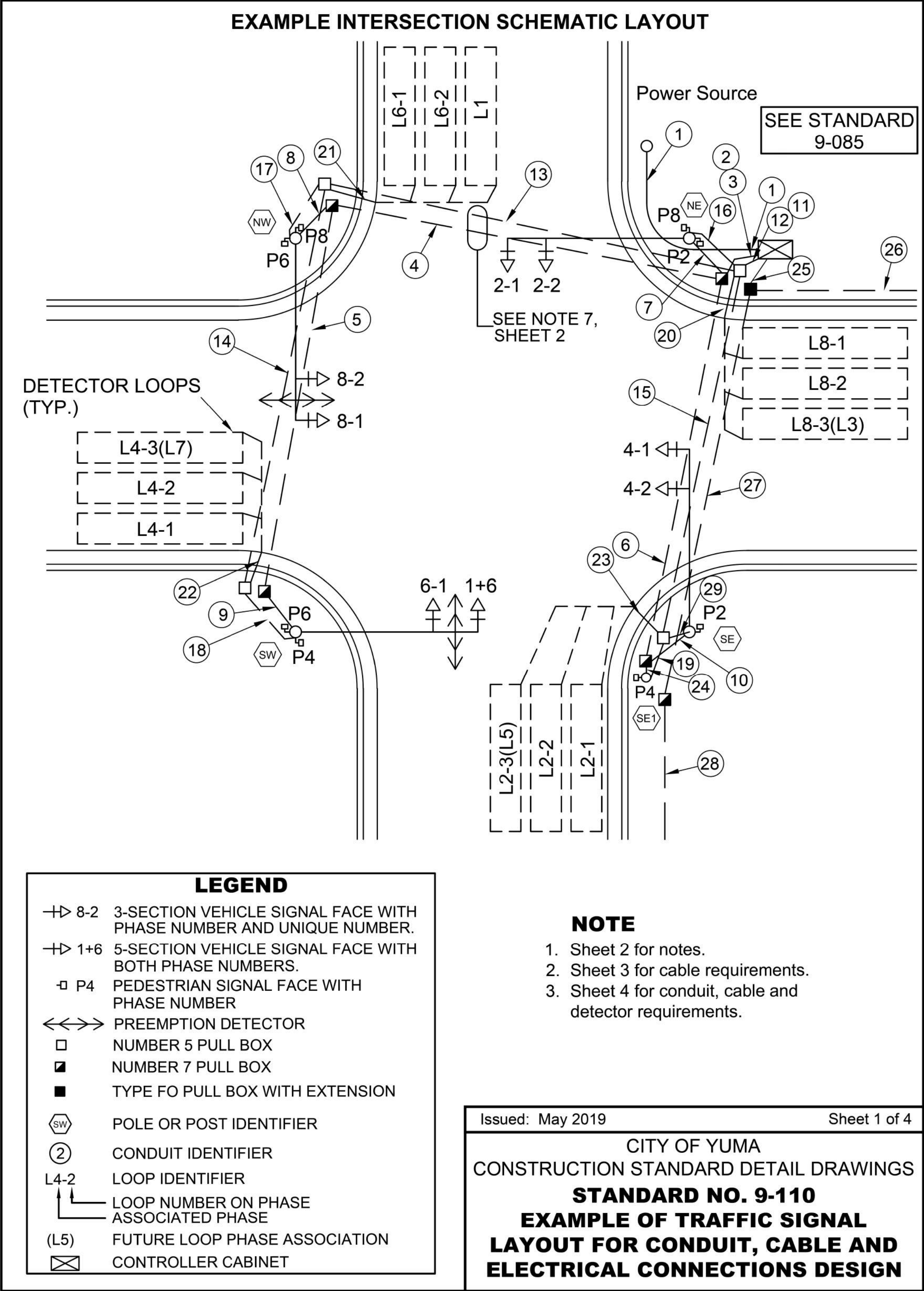
RECORD DRAWING

LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS

TRACS NO. T0409 01C

DWG NO. G-01.03

OF



NOTES

- When a signal pedestal is on the same corner as a signal pole or in the vicinity of a signal pole if not at a corner, the signal cable shall run from the controller to the terminal block in the signal pole and then to the signal pedestal. The terminal block in the signal pole shall be the main splice point for all signal cable on a corner or in a given vicinity.
- Unless otherwise noted, there shall be two (2) cables from the controller serving each signal pole: one 20-conductor for the signals and one 4-conductor for the pedestrian push-buttons.
- See Sheet 3 for cable requirements.
- Loop lead-in cables, push-button cables, preemption detector cables and fiber optic cables may share conduits.
- Loop lead-in cables, push-button cables and preemption detector cables shall **NOT** enter Type FO pull boxes.
- Number 5 pull box for loop lead-in and push-button cables, and Number 7 pull box for signal circuits and fiber optic cables closest to controller cabinet must each have extensions.
- A conduit run from the controller that serves two (2) corners shall have two (2) conduits for signal cables and two (2) conduits for detector lead-in and push-button cables.
- This example shall be adapted to the specific intersection by the design engineer.

Issued: May 2019 Sheet 2 of 4

CITY OF YUMA
CONSTRUCTION STANDARD DETAIL DRAWINGS
STANDARD NO. 9-110
EXAMPLE OF TRAFFIC SIGNAL
LAYOUT FOR CONDUIT, CABLE AND
ELECTRICAL CONNECTIONS DESIGN

DWG NO. G-02.01

YUMA STANDARD DRAWINGS			
CONSTRUCTION STANDARDS		NAME D. SMITH	DATE 7/26
PROJECT NO. 0000 YU YUM T0409 01C		5	OF 19
RECORD DRAWING DATA	FEDERAL ID NO. HSIP-YUM-0(224)T	REC. DWG. DATE	OF

CABLE REQUIREMENTS

CONTROLLER-SIGNAL POLE CABLE, 25-CONDUCTOR				
		Conductor		
Number	Insulation		Signals	Signal Color
	Color	Tracer		
1	Black		Mast Arm End-B	FYA
2	White		Vehicle Signals	Common
3	Red		Mast Arm Through Phase-A	Red
4	Green		Mast Arm Through Phase-A	Green
5	Orange		Mast Arm Through Phase-A	Yellow
6	Blue		Mast Arm Through Phase-PED-D	Man
7	White	Black	Mast Arm Through Phase-PED-D	Hand
8	Red	Black	Mast Arm End-B	Red Arrow
9	Green	Black	Mast Arm End-B	Green Arrow
10	Orange	Black	Mast Arm End-B	Yellow Arrow
11	Blue	Black	Cross Street Through Phase PED-E	Man
12	Black	White	Cross Street Through Phase PED-E	Hand
13	Red	White	Pole Side Cross Street-C	Red
14	Green	White	Pole Side Cross Street-C	Green
15	Blue	White	Pole Side Cross Street-C	Green Arrow
16	Black	Red	Pole Side Cross Street-C	Yellow Arrow
17	White	Red	Pedestrian Signals	Common
18	Orange	Red	Pole Side Cross Street-C	Yellow
19	Blue	Red	Spare	-
20	Red	Green	Spare	-
21	Green	Red	Spare	-
22	Green	Orange	Pole Side Cross Street-C	FYA
23	Green	Blue	Spare	-
24	Violet	Brown	Spare	-
25	Violet	Gray	Spare	-

CONTROLLER-SIGNAL POLE CABLE, 4-CONDUCTOR			
Conductor			
Number	Insulation Color	Function	
1	Black	Spare	
2	White	Common	
3	Red	Ø4 or Ø8 Button	
4	Green	Ø2 or Ø6 Button, if any	

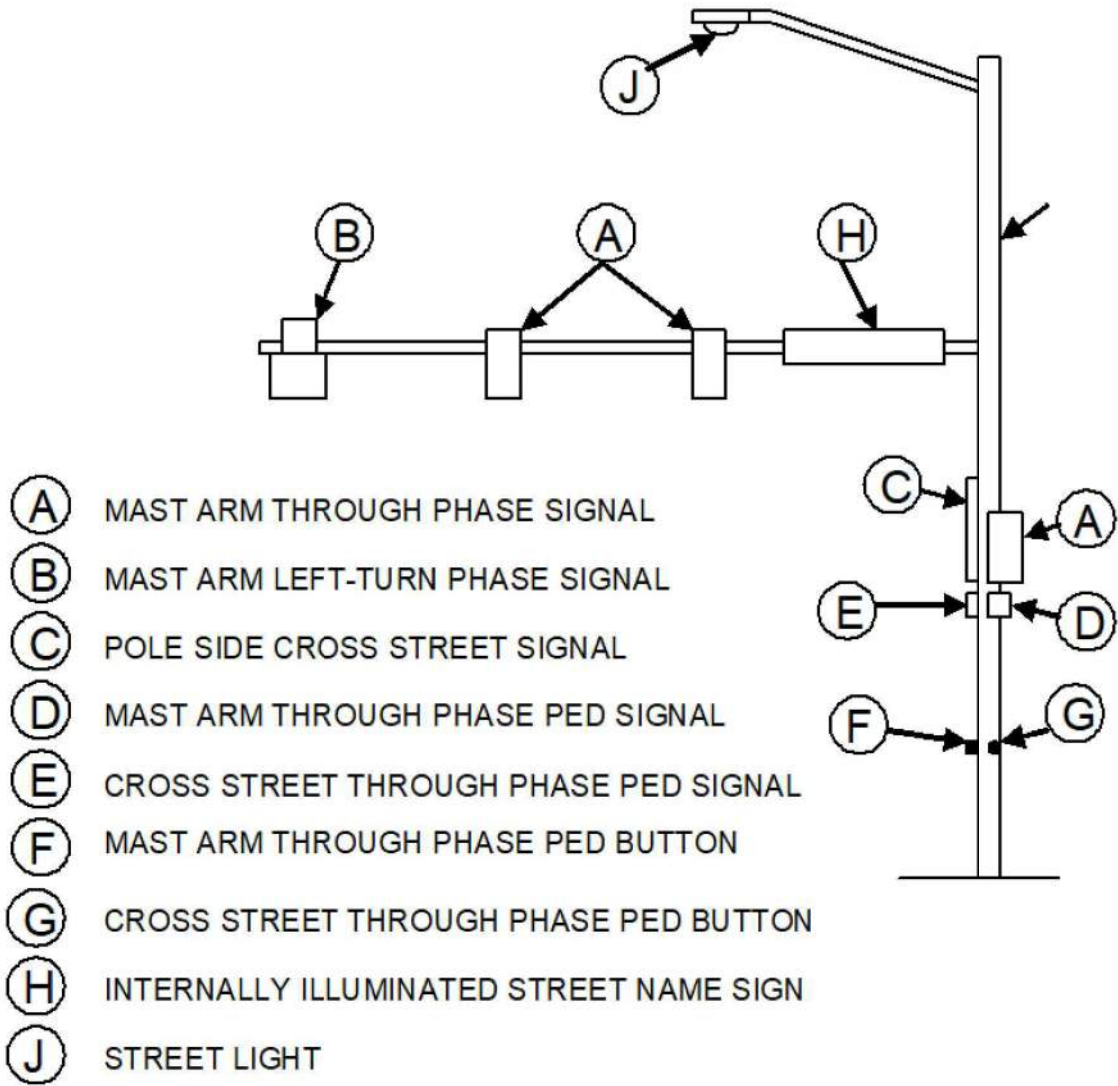
4-CONDUCTOR CABLE TO 3-SECTION SIGNAL FACE			
Conductor			
Number	Insulation Color	Function	
1	Black	Yellow	
2	White	Common	
3	Red	Red	
4	Green	Green	

4-CONDUCTOR CABLE TO PEDESTRIAN SIGNAL			
Conductor			
Number	Insulation Color	Function	
1	Black	Spare	
2	White	Common	
3	Red	Hand	
4	Green	Man	

7-CONDUCTOR CABLE TO MAST ARM END SIGNAL FACE				
Conductor				
Number	Insulation Color	Tracer	Function	
1	Black		Yellow	
2	White		Common	
3	Red		Red	
4	Green		Green	
5	Orange		Yellow Arrow	
6	Blue		Green Arrow	
7	White	Black	Spare	

4-CONDUCTOR CABLE TO PUSH-BUTTON			
Conductor			
Number	Insulation Color	Function	
1	Black	Spare	
2	White	Common	
3	Red	Button	
4	Green	Spare	

CABLE TERMINATION DEFINITIONS



NOTE

1. All cables must satisfy IMSA Specification 19-1.
2. New controller-signal pole cable shall be 25 conductor IMSA specification 19-1.

Issued: May 2026Sheet 3 of 4

CITY OF YUMA

CONSTRUCTION STANDARD DETAIL DRAWINGS

STANDARD NO. 9-110

EXAMPLE OF TRAFFIC SIGNAL

LAYOUT FOR CONDUIT, CABLE AND

ELECTRICAL CONNECTIONS DESIGN

DWG NO. G-02.02

YUMA STANDARD DRAWINGS			
		NAME	DATE
CONSTRUCTION STANDARDS		D. SMITH	7/26
PROJECT NO.			
0000 YU YUM T0409 01C		6	OF 19
RECORD DRAWING DATA	FEDERAL ID NO. HSIP-YUM-0(224)T	REC. DWG. DATE	OF

CONDUITS AND ENCLOSED CABLES					
Conduit	Pole	Conduit		Size (inches)	Function
		Type	Schedule		
1		PVC	40	2.5	Power service
2		PVC	40	3	Signal cables (signals, street lights, ISNS)
3		PVC	40	3	Signal cables (signals, street lights, ISNS)
4		PVC	40	3	Signal cables (signals, street lights, ISNS) (SEE NOTE 2)
5		PVC	40	3	Signal cables (signals, street lights, ISNS)
6		PVC	40	3	Signal cables (signals, street lights, ISNS)
7		PVC	40	2	Signal cables (signals, street lights, ISNS)
8		PVC	40	2	Signal cables (signals, street lights, ISNS)
9		PVC	40	2	Signal cables (signals, street lights, ISNS)
10		PVC	40	2	Signal cables (signals, street lights, ISNS)
11		PVC	40	3	Loop lead-in cables, push-button cables, preemtor detector cables
12		PVC	40	3	Loop lead-in cables, push-button cables, preemtor detector cables
13		PVC	40	3	Loop lead-in cables, push-button cables, preemtor detector cables (SEE NOTE 2)
14		PVC	40	3	Loop lead-in cables, push-button cables, preemtor detector cables
15		PVC	40	2	Loop lead-in cables, push-button cables
16		PVC	40	2	Push-button cables
17		PVC	40	2	Push-button cables
18		PVC	40	2	Push-button cables, preemtor detector cables
19		PVC	40	2	Push-button cables
20		PVC	40	2	Loop wire
21		PVC	40	2	Loop wire
22		PVC	40	2	Loop wire
23		PVC	40	2	Loop wire
24		PVC	40	2	Signal cable
25		PVC	40	2	Fiber optic cable
26		PVC	40	2 or 3	Fiber optic cable
27		PVC	40	2 or 3	Fiber optic cable
28		PVC	40	2 or 3	Fiber optic cable
29		PVC	40	2	Preemtor detector cable
	NW			Signal cables (signals, street lights, ISNS), push-button cable, preemtor detector cables	
	NE			Signal cables (signals, street lights, ISNS), push-button cable	
	SW			Signal cables (signals, street lights, ISNS), push-button cable, preemtor detector cables	
	SE			Signal cables (signals, street lights, ISNS)	
	SE1			Signal cables (signals), push-button cable	
LEGEND: PVC = polyvinylchloride, FO = fiber optic, ISNS = illuminated street name signs, 40 = Schedule 40 PVC Conduit					

NOTES

1. Conduits with conductors with 90 volts or more must be separated from those with conductors with less than 90 volts by either:
-3 inches of concrete; or
-12 inches of well-tamped earth.
2. Two (2) conduits of the indicated sizes must be provided in runs ④ and ⑬.

DETECTOR CONNECTION, ASSIGNMENT AND TIMING						
Input File 1 (Upper)		Loops* (2 max. per channel)	Assigned Phase	Assigned Sampling Detector	Timing	
Slot	Channel				Delay (seconds)	Extend (seconds)
1	1		1			
	2		1			
2	1		2	1		
	2		2	2		
3	1		3			
	2		3			
4	1		4			
	2		4			
5	1		5			
	2		5			
6	1		6	3		
	2		6	4		
7	1		7			
	2		7			
8	1		8			
	2		8			
9	1					
	2					
10	1					
	2					
11	1					
	2					
12	1					
	2					
13	1					
	2					
14	1					
	2					
15	1					
	2					
16	1		8			
	2		8E			
* Pulse (6' x 6') loops must be connected to separate channels for counting purposes.						

DESIGN NOTES:				
1. See sheet 1 for intersection layout.				
2. See sheet 3 for cable requirements.				
3. EXCEL file formats available from City's Traffic Engineer.				
4. This example must be <i>adapted</i> to the specific intersection by the design engineer.				

Issued: May 2019

Sheet 4 of 4

CITY OF YUMA

CONSTRUCTION STANDARD DETAIL DRAWINGS

STANDARD NO. 9-110

EXAMPLE OF TRAFFIC SIGNAL

LAYOUT FOR CONDUIT, CABLE AND

ELECTRICAL CONNECTIONS DESIGN

YUMA STANDARD DRAWINGS			
CONSTRUCTION STANDARDS		NAME D. SMITH	DATE 7/26
PROJECT NO. 0000 YU YUM T0409 01C		7	OF 19
RECORD DRAWING DATA	FEDERAL ID NO. HSIP-YUM-0(224)T	REC. DWG. DATE	OF

TRAFFIC CONTROL GENERAL NOTES

Signs

1. All existing signs in conflict with the construction signs shall be removed, relocated, or covered in place, as directed by the Engineer. The Contractor shall store and reinstall items which have been removed or relocated in a manner approved by the Engineer.
2. The retroreflective sheeting on all construction signs shall meet criteria established in Section 1007 of ADOT Standard Specifications and in Section 380 of the ADOT Traffic Engineering Policies, Guidelines and Procedures.
3. All signs shown on the plans shall be mounted on embedded posts. Signs installed on embedded posts shall be mounted at a minimum height of 7 feet as measured from the bottom of the sign to the near edge of the pavement. All other short-term signs may be installed on spring stands, at the height recommended by the spring stand manufacturer.
4. The nearest edge or corner of a sign shall be approximately 12 feet from the nearest edge of pavement for all signs mounted on embedded posts.
5. Flags shall be mounted on top of all construction signs except the “END ROAD WORK THANK YOU” sign.
6. Type A flashing warning lights shall be required on all nighttime construction signs except the “END ROAD WORK THANK YOU” sign.
7. Type C steady-burning yellow lights shall be mounted on every barricade.
8. Channelizing devices shall be placed 40 feet on center in tapers and 80 feet on center in tangents, except as otherwise noted on plans.
9. Construction signs shall not be displayed to traffic more than 24 hours prior to the actual start of construction. These signs may be installed sooner but they must be covered or turned away from traffic. The cost for covering or turning them shall be considered part of the sign installation cost. No further compensation will be made. These signs shall be removed within 24 hours after the completion of construction activities.
10. All construction signs shall have black letters on an orange background, except as otherwise noted.
11. Speed limit signing is preliminary and is subject to review and change by the Engineer as dictated by field conditions.
12. Where no closure is necessary but where there is construction alongside a roadway under construction, the Contractor shall place a 48 x 48 inch “ROAD WORK AHEAD” and “SHOULDER WORK AHEAD” sign as directed by the Engineer to alert the public to the construction activities.

Devices

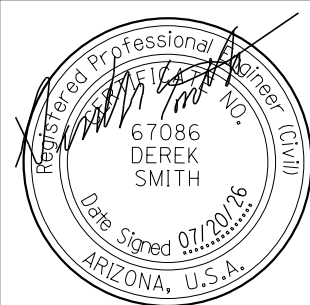
13. The Contractor may substitute Type I barricades for Type II barricades as long as the reflective area on the top panel of each Type I barricades is equivalent or greater than the reflective area of a Type II barricade.
14. When traffic control devices are not in use, they shall be moved at least 30 feet from the roadway.
15. The Contractor shall maintain two-way traffic on all roadways at night, on weekends, on holidays, and as directed by the Engineer.
16. The Contractor shall utilize a flashing arrow panel in the sequential chevron mode for each closure of a through lane. The Contractor shall not utilize a flashing arrow panel in connection with any shifting taper.

Plans

17. All drawings are schematic only and not to scale.
18. The traffic control plans represent a suggested method for traffic control during construction. The Contractor may prepare another traffic control plan in accordance with Section 701 of the Standard Specifications. All traffic control plans are subject to the approval of the Engineer before beginning construction.
19. Adjustments to the details of these traffic control plans and requirements maybe necessary due to construction activities or as directed by the Engineer.

General

20. The Contractor shall provide flagger and uniformed police officers (DPS) as directed by the Engineer during installation and removal of temporary concrete barrier.



	NAME	DATE
DESIGN	J. FREITAS	07/26
DRAWN	S. LICARI	07/26
CHECKED	D. SMITH	07/26

PARSONS
1050 W. WASHINGTON STREET SUITE 114
TEMPE, ARIZONA 85288

ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE 000
	MILEPOST
Traffic Control General Notes	STRUCTURE NO.

F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 YU YUM	FEDERAL ID NO. YUM-0(224)T	SHEET NO. 8	TOTAL SHEETS 19	RECORD DRAWING
LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS						DWG NO. T-01.01
TRACS NO. T0409 01C						____ OF ____

24TH STREET AND AVENUE A

MAINTENANCE OF TRAFFIC & CONSTRUCTION SEQUENCE *			
ACTIVITY	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1	Install advance warning signs and devices	Maintain traffic in all existing travel lanes Provide advance warning per detail shown on T-01.03	Temporary signs are to be placed on spring stands for the entire duration of the project
2	Install new signal heads and signage on mast arms (Northbound, Southbound, and Westbound directions) Rewire intersection	Close left through lane per Figure 6P-25 of the MUTCD, 2023 with AZ Supplement, 2026	All travel lanes shall be open to traffic at the end of each day Work hours shall be 9 AM through 5 PM Monday - Thursday and 9 AM through 12 PM Friday Weekend Work shall not be permitted Maintain at least one 11' lane in each direction Utilize uniformed police officers to control intersection when signal is in flash mode

* See Standard Specifications and Special Provisions Section 104 for construction activity restrictions. Construction activities and traffic control shall be adjusted to accommodate restrictions.

32ND STREET AND AVENUE 2E

MAINTENANCE OF TRAFFIC & CONSTRUCTION SEQUENCE *			
ACTIVITY	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1	Install advance warning signs and devices.	Maintain traffic in all existing travel lanes Provide advance warning per detail shown on T-01.03	Temporary signs are to be placed on spring stands for the entire duration of the project
2	Install new signal heads and signage on mast arms (Eastbound and Westbound directions)	Close left through lane per Figure 6P-25 of the MUTCD, 2023 with AZ Supplement, 2026	All travel lanes shall be open to traffic at the end of each day Work hours shall be 9 AM through 5 PM Monday - Thursday and 9 AM through 12 PM Friday Weekend Work shall not be permitted Maintain at least one 11' lane in each direction Utilize uniformed police officers to control intersection when signal is in flash mode

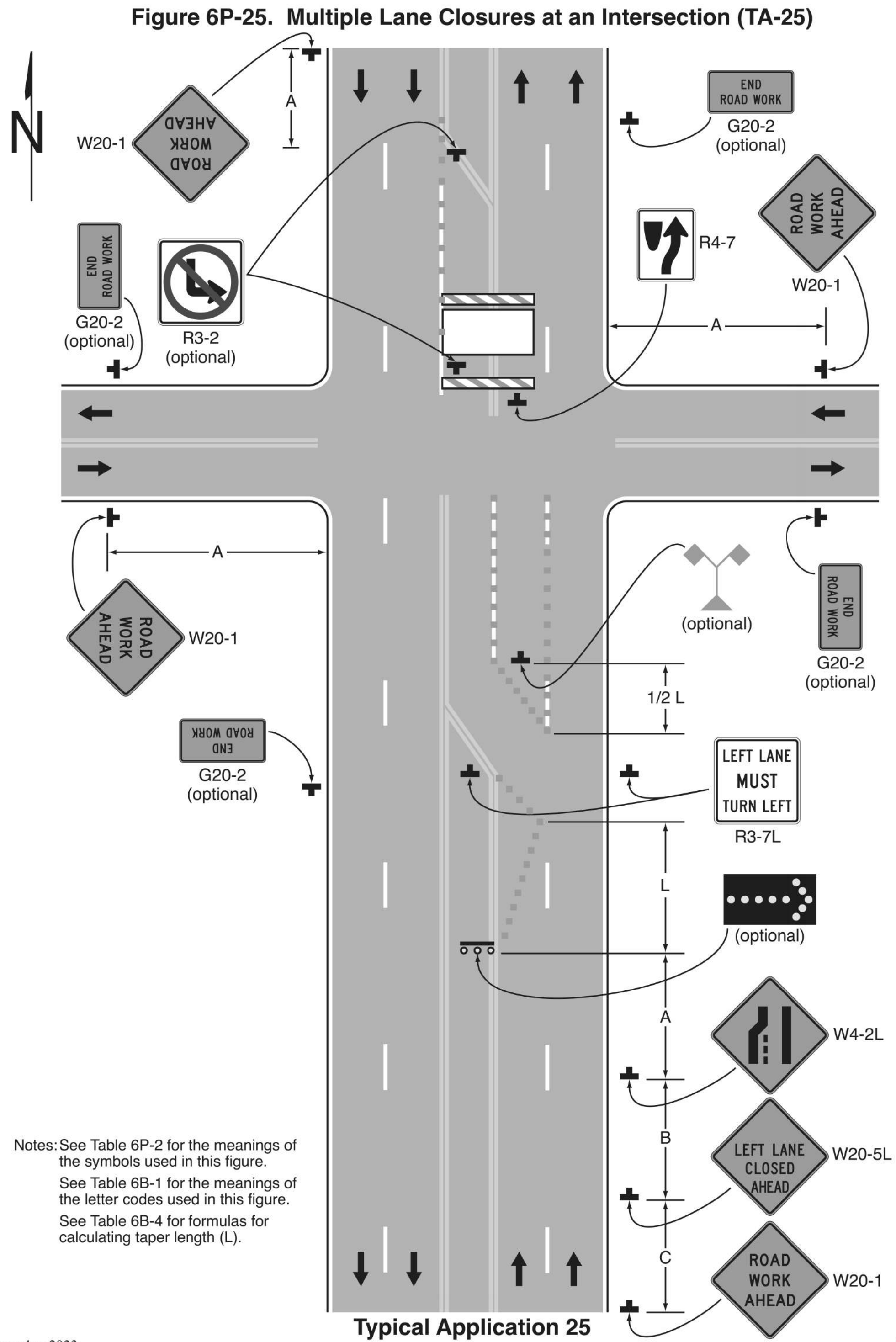
* See Standard Specifications and Special Provisions Section 104 for construction activity restrictions. Construction activities and traffic control shall be adjusted to accomodate restrictions.

32ND STREET AND AVENUE 7E

MAINTENANCE OF TRAFFIC & CONSTRUCTION SEQUENCE *			
ACTIVITY	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1	Install advance warning signs and devices	Maintain traffic in all existing travel lanes Provide advance warning per detail shown on T-01.03	Temporary signs are to be placed on spring stands for the entire duration of the project
2	Install new signal heads and signage on mast arms	For work on 32nd Street and the Northern leg of Avenue 7E, close left through lane per Figure 6P-25 of the MUTCD, 2023 with AZ Supplement, 2026 For work on the southern leg of Avenue 7E, close northbound through lane per Figure SA-6 of the ADOT TCDG, 2025 For relocation of existing signal head on Avenue 7E, close northbound through lane per Figure SA-6 of the ADOT TCDG, 2025	All travel lanes shall be open to traffic at the end of each day Work hours shall be 9 AM through 5 PM Monday - Thursday and 9 AM through 12 PM Friday Weekend Work shall not be permitted Maintain at least one 11' lane in each direction Utilize uniformed police officers to control intersection when signal is in flash mode

* See Standard Specifications and Special Provisions Section 104 for construction activity restrictions. Construction activities and traffic control shall be adjusted to accomodate restrictions.

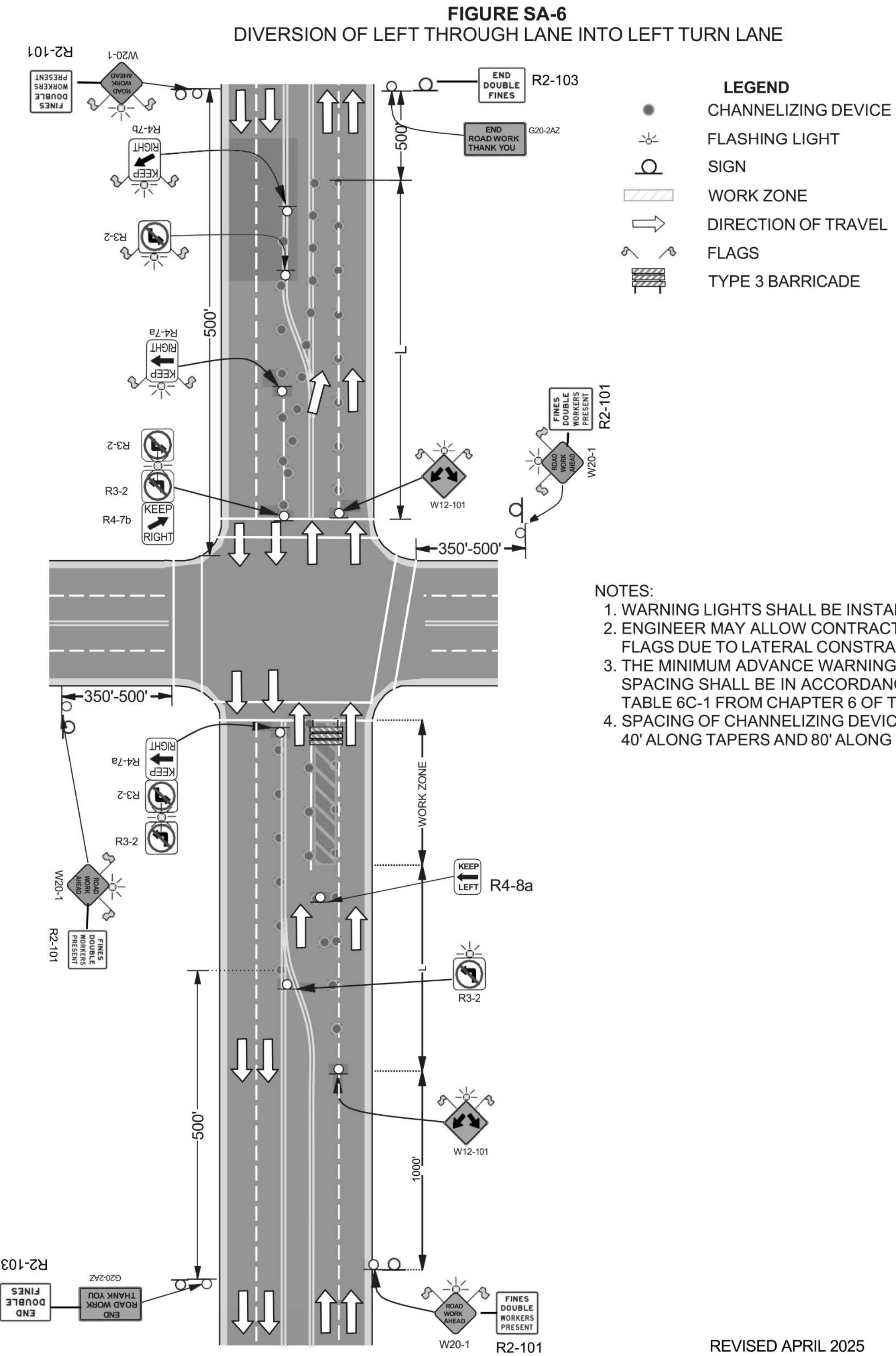
	<table border="1"> <thead> <tr> <th></th> <th>NAME</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>DESIGN</td> <td>D. SMITH</td> <td>07/26</td> </tr> <tr> <td>DRAWN</td> <td>S. LICARI</td> <td>07/26</td> </tr> <tr> <td>CHECKED</td> <td>S. GENTILE BUSH</td> <td>07/26</td> </tr> </tbody> </table>			NAME	DATE	DESIGN	D. SMITH	07/26	DRAWN	S. LICARI	07/26	CHECKED	S. GENTILE BUSH	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES		ROUTE 000	F.H.W.A. Arizona Division ARIZ.	PROJECT NO. 0000 YU YUM	FEDERAL ID NO. YUM-0(224)T	SHEET NO. 9	TOTAL SHEETS 19	RECORD DRAWING
		NAME	DATE																				
	DESIGN	D. SMITH	07/26																				
	DRAWN	S. LICARI	07/26																				
CHECKED	S. GENTILE BUSH	07/26																					
				MILEPOST	LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS					DWG NO. T-01.02													
PARSONS 1050 W. WASHINGTON STREET SUITE 114 TEMPE, ARIZONA 85288		Maintenance of Traffic Construction Sequence		STRUCTURE NO.	TRACS NO. T0409 01C					____ OF ____													



December 2023

Sect. 6P.01

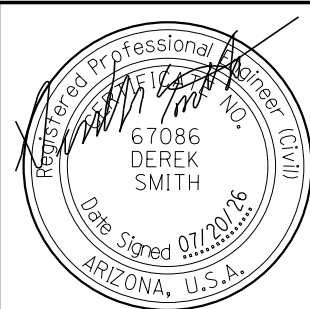
Source: MUTCD



Source: ADOT TCDG 2025

REVISED APRIL 2025

A7



	NAME	DATE
DESIGN	D. SMITH	07/26
DRAWN	S. LICARI	07/26
CHECKED	S. GENTILE BUSH	07/26

PARSONS
1050 W. WASHINGTON STREET SUITE 114
TEMPE, ARIZONA 85288

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

Maintenance of Traffic
Standard Details

ROUTE

000

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE

ARIZ.

PROJECT NO.

0000 YU YUM

FEDERAL ID NO.

YUM-0(224)T

SHEET NO.

10

TOTAL SHEETS

19

RECORD DRAWING

LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS

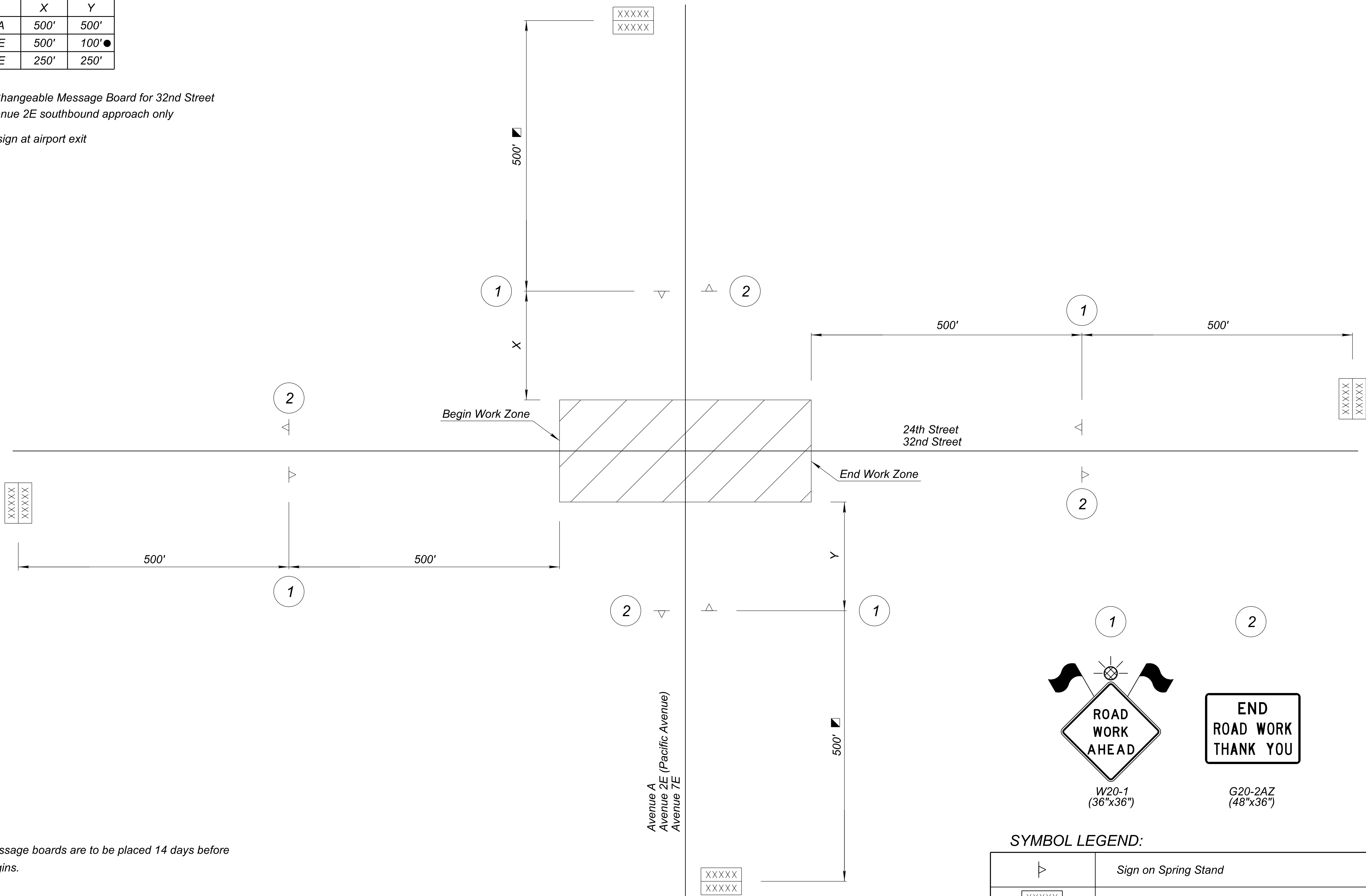
TRACS NO. T0409 01C

DWG NO. T-01.03

OF

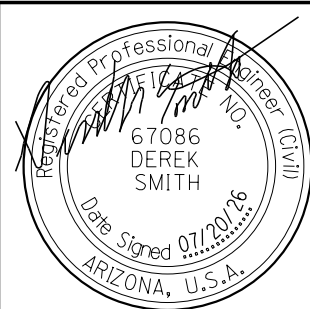
	X	Y
Avenue A	500'	500'
Avenue 2E	500'	100'●
Avenue 7E	250'	250'

- Install Changeable Message Board for 32nd Street and Avenue 2E southbound approach only
- Locate sign at airport exit



NOTE

1. Changeable message boards are to be placed 14 days before construction begins.
2. The contractor shall coordinate with the Engineer for the legend on the changeable message signs.



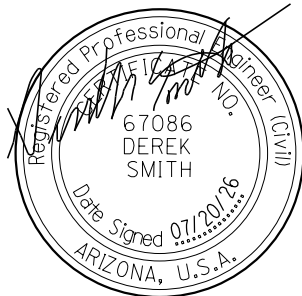
	NAME	DATE
DESIGN	D. SMITH	07/26
DRAWN	S. LICARI	07/26
CHECKED	S. GENTILE BUSH	07/26

PARSONS
1050 W. WASHINGTON STREET SUITE 114
TEMPE, ARIZONA 85288

ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES
Maintenance of Traffic Advanced Signing Detail

ROUTE 000	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 YU YUM	FEDERAL ID NO. YUM-0(224)T	SHEET NO. 11	TOTAL SHEETS 19	RECORD DRAWING
MILEPOST	LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS	DWG NO. T-01.04					
STRUCTURE NO.	TRACS NO. T0409 01C	____ OF ____					

APPROXIMATE TRAFFIC CONTROL QUANTITIES								
		24TH ST AND AVENUE A		32ND ST AND AVENUE 2E		32ND ST AND AVENUE 7E		
ELEMENT OF WORK	UNIT	ACTIVITY 1	ACTIVITY 2	ACTIVITY 1	ACTIVITY 2	ACTIVITY 1	ACTIVITY 2	TOTAL QUANTITIES
ESTIMATED DURATION	WORKING DAYS	10	5	10	5	10	5	45
Barricade (Type II, Vertical Panel, Tubular Marker)	Each-Day	-	144	-	144	-	191	479
Portable Sign Stand (Spring Type)	Each-Day	135	72	135	72	135	83	515
Warning Lights (Type C)	Each-Day	-	144	-	144	-	191	479
Temporary Sign (Less than 10 SF)	Each-Day	135	72	135	72	135	83	515
Flashing Arrow Panel	Each-Day	-	-	-	-	-	3	3
Type III Barricade	Each-Day	-	24	-	24	-	21	69
Truck-Mounted Attenuator	Each-Day	-	5	-	5	-	5	15
Changeable Message Board (Contractor Furnished)	Each-Day	40	20	30	15	20	10	135
Flagging Services (DPS)	Hour	-	35	-	35	-	35	105

	DESIGN	D. SMITH	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE	000	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 YU YUM	FEDERAL ID NO.	YUM-0(224)T	SHEET NO.	12	TOTAL SHEETS	19	RECORD DRAWING
	DRAWN	S. LICARI	07/26		MILEPOST													
	CHECKED	S. GENTILE BUSH	07/26		STRUCTURE NO.													
	 1050 W. WASHINGTON STREET SUITE 114 TEMPE, ARIZONA 85288				Maintenance of Traffic Quantity Summary		3 CITYWIDE TURN SIGNAL LOCATIONS											
TRACS NO. T0409 01C												DWG NO. T-01.05		____ OF ____				

TRAFFIC SIGNAL GENERAL NOTES

1. All materials and installation shall conform to ADOT Standard Specification, 2021, the ADOT "Traffic Signals and Lighting" standard drawings, 2021, and the current City of Yuma (COY) Construction Standard Detail Drawings, 2019.
2. The location of utilities and existing conduits shown on the plans are approximate as provided by various sources. All involved utilities may not be shown on the plans. Per section 730-6 of the ADOT standard specifications, the contractor shall be responsible for contacting all utilities to determine exact equipment or infrastructure locations prior to any construction activity.
3. Signal, lighting, and electrical systems shall conform to the COY specifications as specified in the Special Provisions.
4. The contractor shall contact the Engineer and Peter Olea from COY (Phone: (928) 373-4636) for review and approval before the installation of signal mountings.
5. The contractor shall ensure that all new overhead traffic signal heads are centered over each designated lane and meet vertical clearance requirements.
6. The contractor will wire and label the controller with the same phase number designations for initial and future phases. Each connector shall have all pins within the connector brought to cabinet wiring or conductor terminal points.
7. All existing traffic signal equipment removed, and not called out for reinstallation on these plans, shall be salvaged and delivered to COY. Contact Peter Olea at (928) 373-4636 14 days prior to salvage and delivery to COY.

TRAFFIC SIGNAL PLAN LEGEND

- ➔

New Signal Head
- ➔

Existing Signal Head
- ◊

Existing Traffic Controller Cabinet
- ⌂

Existing Pedestrian Signal Head
- ⌋

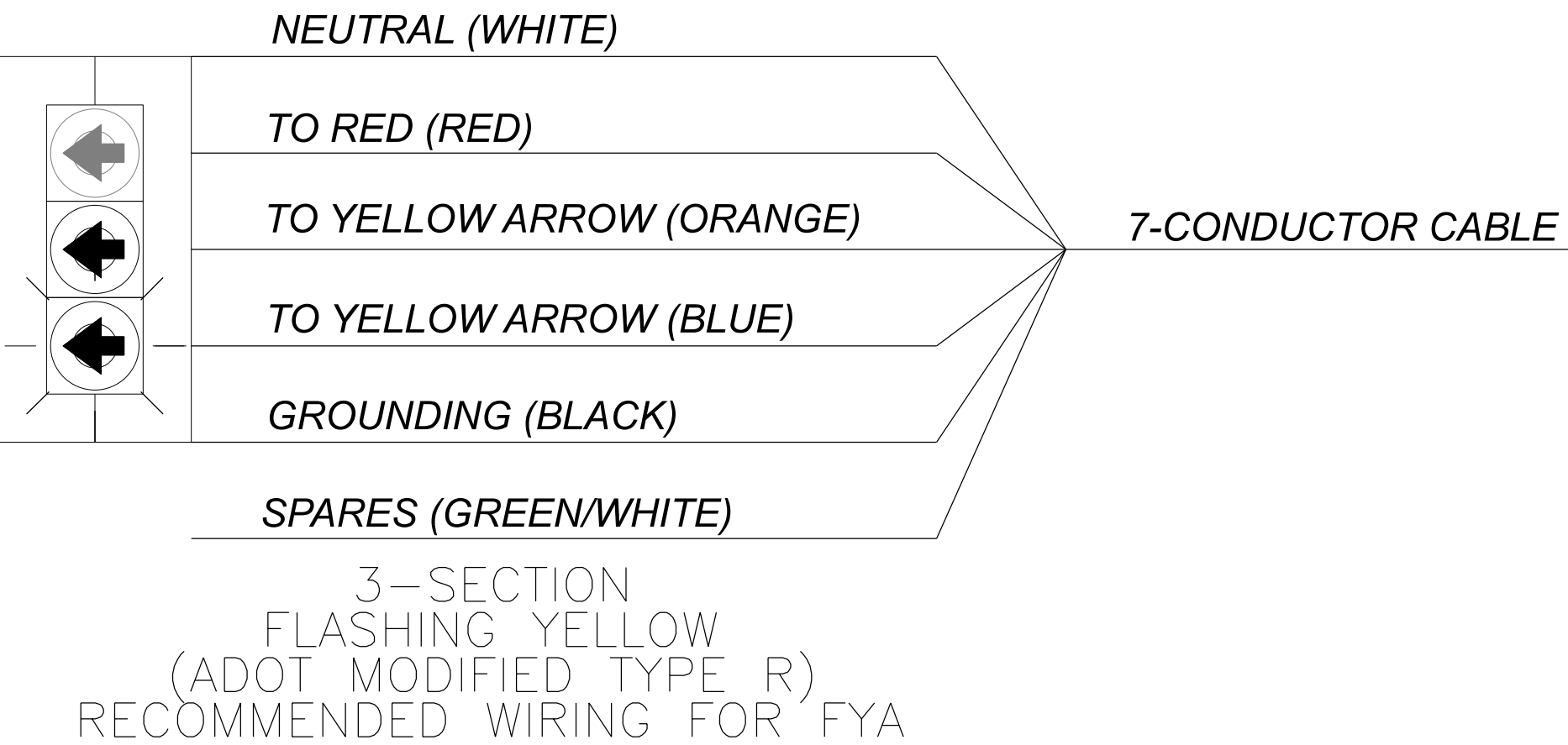
New Sign
- ⌋

Existing Sign
- No. 7 Pull Box
- ⊠

No. 7 Pull Box w/ Extension
- ⌘

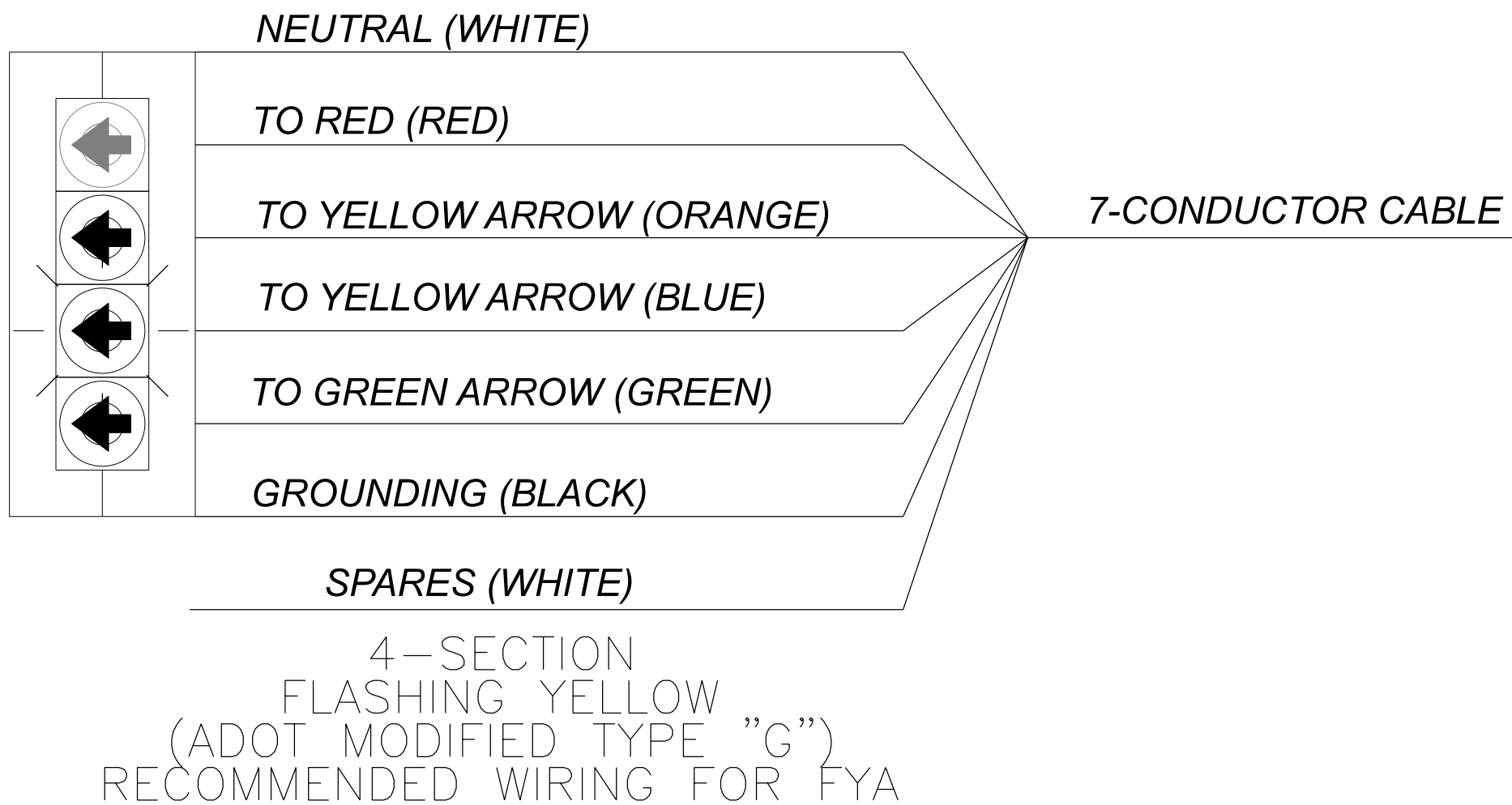
Existing Signal Pole or Cabinet Number
- ⌘

Pull Box Number

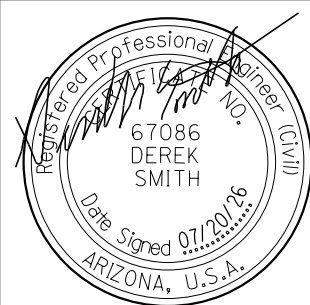


7-CONDUCTOR CABLE TO MAST ARM END SIGNAL FACE				
Conductor				
Number	Insulation	Tracer	Function	
1	Black		Yellow	
2	White		Common	
3	Red		Red	
4	Green		Green	
5	Orange		Yellow Arrow	
6	Blue		Green Arrow	
7	White	Black	Spare	

CITY OF YUMA
7-CONDUCTOR
WIRING STANDARD
(STANDARD NO. 9-110)



FYA SIGNAL HEAD TYPICAL WIRING

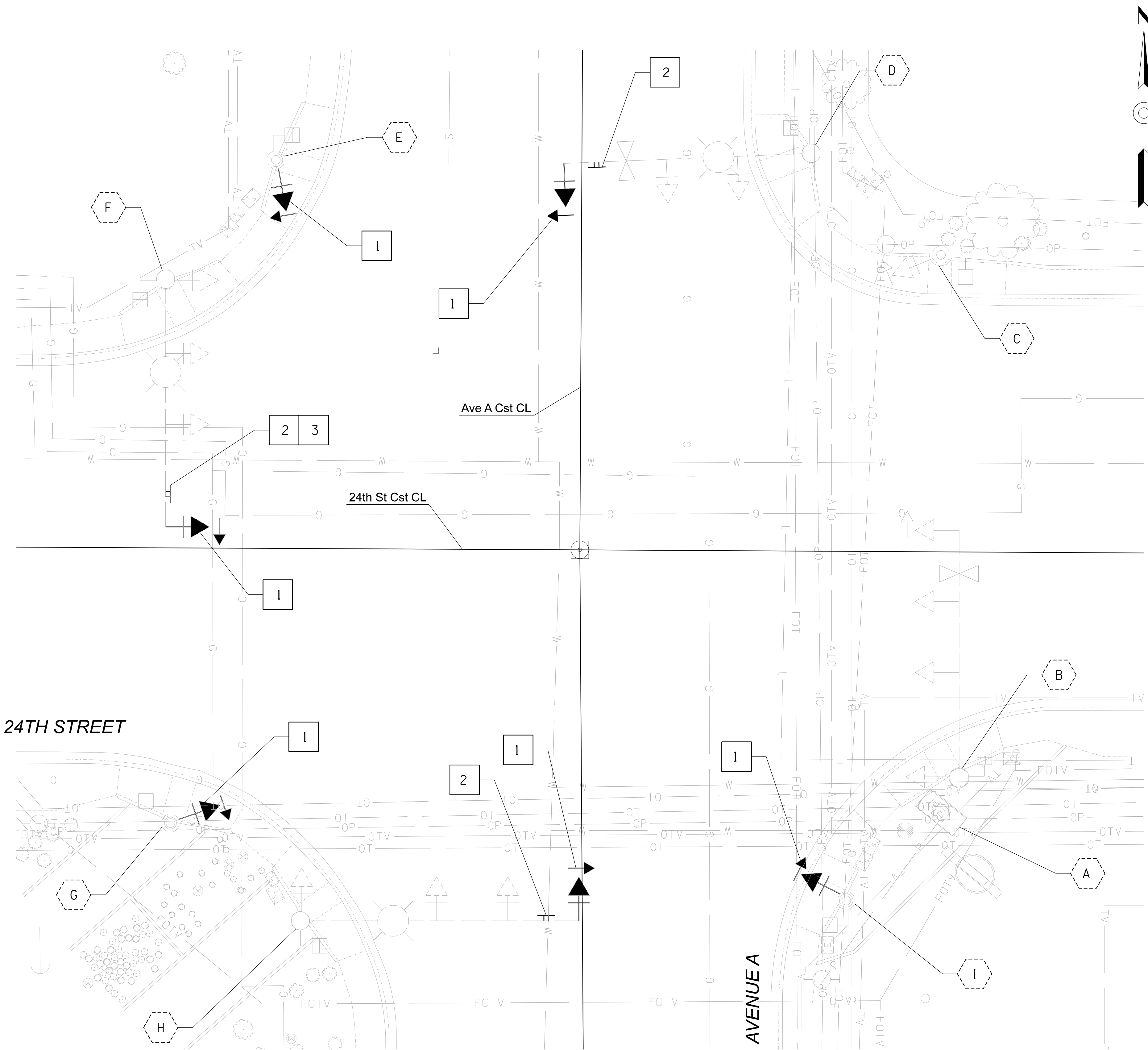


	NAME	DATE
DESIGN	J. FREITAS	07/26
DRAWN	S. LICARI	07/26
CHECKED	D. SMITH	07/26

PARSONS
1050 W. WASHINGTON STREET SUITE 114
TEMPE, ARIZONA 85288

ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	
General Notes and Signal Wiring Detail	

ROUTE 000	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
MILEPOST		ARIZ.	0000 YU YUM	YUM-0(224)T	13	19	
	LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS						DWG NO. T-02.01
STRUCTURE NO.	TRACS NO. T0409 01C						____ OF ____



24TH STREET

AVENUE A

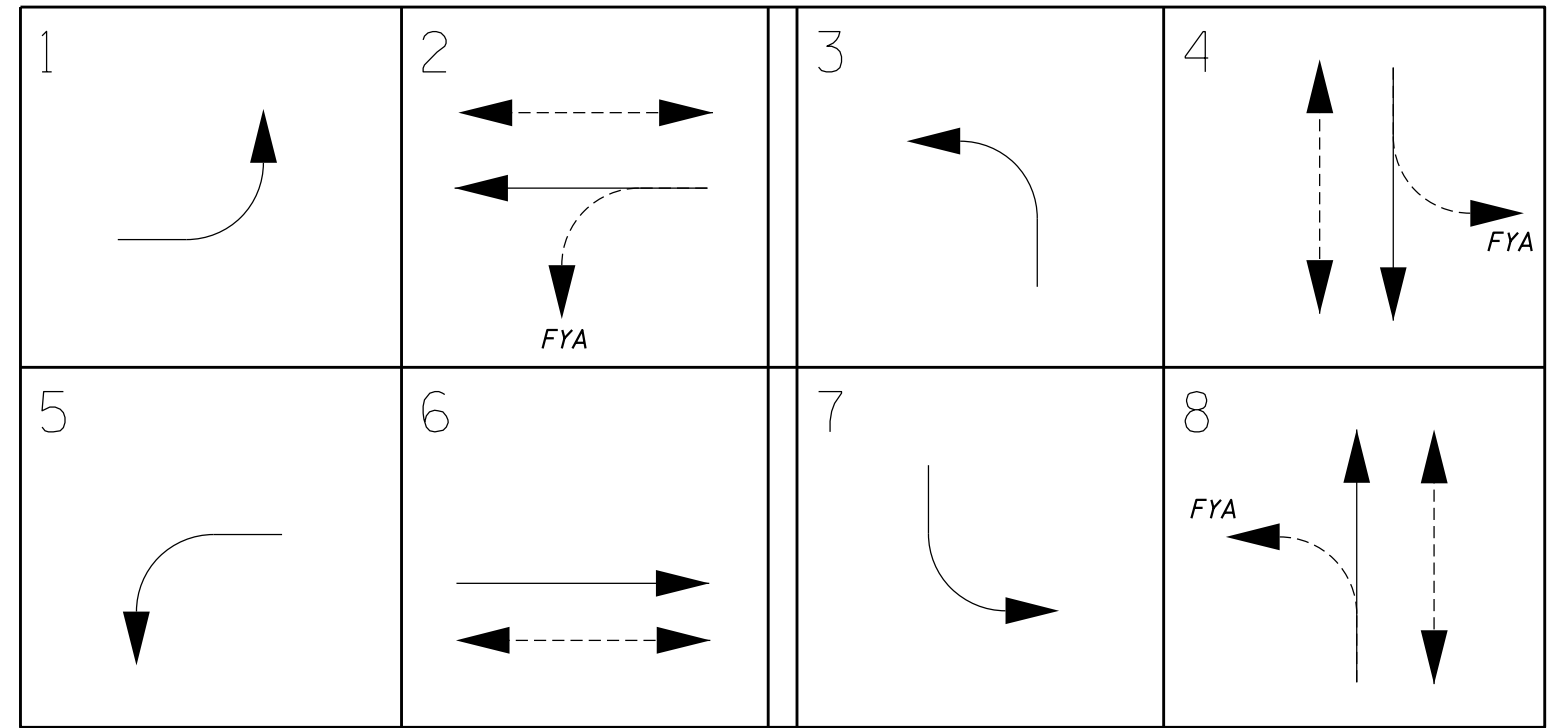
CONSTRUCTION NOTES

1. Remove and replace existing signal head with new FYA signal head.
2. Install new "LEFT TURN YIELD ON FLASHING YELLOW ARROW" sign (R10-101, 30" x 36") on signal mast arm.
3. Remove existing sign.

NOTES

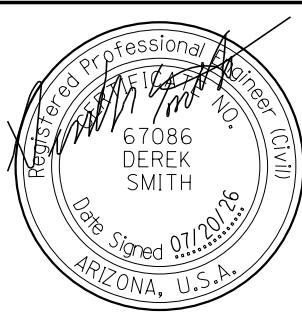
1. The contractor shall ensure that all new overhead signal heads are centered on each lane.
2. Wiring information is provided on the Traffic Signal General Notes sheet.

SIGNAL PHASING DIAGRAM (FOR INFORMATION ONLY)



LEGEND

- New Signal Head
- Existing Signal Head
- Existing Traffic Controller Cabinet
- Existing Pedestrian Signal Head
- New Sign
- Existing Sign
- Existing Signal Pole or Cabinet Number



	NAME	DATE
DESIGN	J. FREITAS	07/26
DRAWN	S. LICARI	07/26
CHECKED	D. SMITH	07/26

PARSONS
1050 W. WASHINGTON STREET SUITE 114
TEMPE, ARIZONA 85288

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

Traffic Signal Plan
24th Street and Avenue A

ROUTE 000	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 YU YUM	FEDERAL ID NO. YUM-0(224)T	SHEET NO. 14	TOTAL SHEETS 19	RECORD DRAWING
MILEPOST	LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS					DWG NO. T-02.02	
STRUCTURE NO.	TRACS NO. T0409 01C					___ OF ___	

CABINET & POLE SCHEDULE

TRAFFIC SIGNAL CONTROLLER			AUX. CONTROL	REMARKS	LOCATION
CABINET	TYPE	CONTROLLER			
A - - - Existing to remain. Install signal head connections -					

NOTES:

1. Refer to the Traffic Signal General Notes sheet for more details.

2. Remove existing sign to be paid through Item 2020053.

3. Remove existing signal head and associated wiring to be paid through Item 2020057.

POLE		MAST ARM		SIGNALS		P.B.	REMARKS	LOCATION
NO.	TYPE	SIG.	LUM.	MTG.	FACE	SIGN		
B - - - - - - No changes required. -								
C - - - - - - No changes required. -								
D - - - Type II 4-Section FYA R10-101 Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring. Install new R10-101 sign on mast arm per City of Yuma standard. -								
E - - - Type V 4-Section FYA - Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring. -								
F - - - Type II 4-Section FYA R10-101 Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring. Remove existing sign. Install new R10-101 sign on mast arm per City of Yuma standard. -								
G - - - Type V 4-Section FYA - Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring. -								
H - - - Type II 4-Section FYA R10-101 Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring. Install new R10-101 sign on mast arm per City of Yuma standard. -								
I - - - Type V 4-Section FYA - Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring. -								

LEGEND

New Signal Head

Existing Sign

Existing Traffic Controller Cabinet

Existing Pedestrian Signal Head

New Sign

Existing Signal Pole or Cabinet Number

	<table><tr><td></td><td>NAME</td><td>DATE</td></tr><tr><td>DESIGN</td><td>J. FREITAS</td><td>07/26</td></tr><tr><td>DRAWN</td><td>S. LICARI</td><td>07/26</td></tr><tr><td>CHECKED</td><td>D. SMITH</td><td>07/26</td></tr></table>		NAME	DATE	DESIGN	J. FREITAS	07/26	DRAWN	S. LICARI	07/26	CHECKED	D. SMITH	07/26	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	<table><tr><td>ROUTE</td><td>000</td></tr><tr><td>MILEPOST</td><td></td></tr><tr><td>STRUCTURE NO.</td><td></td></tr></table>	ROUTE	000	MILEPOST		STRUCTURE NO.		<table><tr><td>F.H.W.A. Arizona Division</td><td>STATE</td><td>ARIZ.</td><td>PROJECT NO.</td><td>0000 YU YUM</td><td>FEDERAL ID NO.</td><td>YUM-0(224)T</td><td>SHEET NO.</td><td>15</td><td>TOTAL SHEETS</td><td>19</td><td>RECORD DRAWING</td></tr><tr><td colspan="11">LOCATION</td><td>DWG NO.</td><td>T-02.03</td></tr><tr><td colspan="4">TRACS NO.</td><td colspan="2">T0409 01C</td><td colspan="6">OF</td></tr></table>	F.H.W.A. Arizona Division	STATE	ARIZ.	PROJECT NO.	0000 YU YUM	FEDERAL ID NO.	YUM-0(224)T	SHEET NO.	15	TOTAL SHEETS	19	RECORD DRAWING	LOCATION											DWG NO.	T-02.03	TRACS NO.				T0409 01C		OF					
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PARSONS 1050 W. WASHINGTON STREET SUITE 114 TEMPE, ARIZONA 85288		Traffic Signal Pole and Equipment Schedule 24th Street and Avenue A																																																									

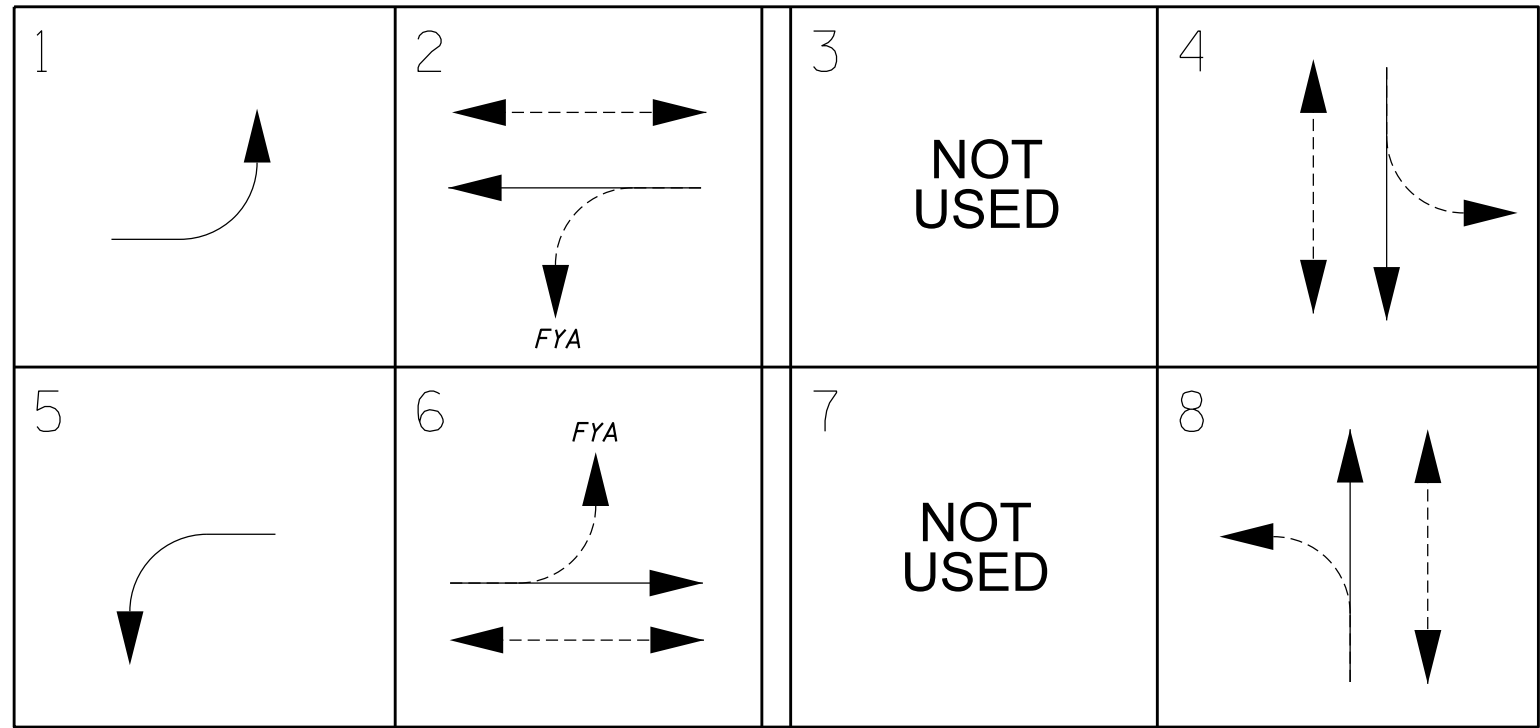


1. *Remove and replace existing signal head with new FYA signal head.*
2. *Install new "LEFT TURN YIELD ON FLASHING YELLOW ARROW" sign (R10-101, 30" x 36") on signal mast arm.*
3. *Remove existing sign.*

NOTES

1. The contractor shall ensure that all new overhead signal heads are centered on each lane.
2. Wiring information is provided on the Traffic Signal General Notes sheet.
3. Controller cabinet and meter cabinet were replaced in the field by a separate project. The locations shown on these plans are prior to replacement.

SIGNAL PHASING DIAGRAM (FOR INFORMATION ONLY)



Split phasing, NB and SB

LEGEND

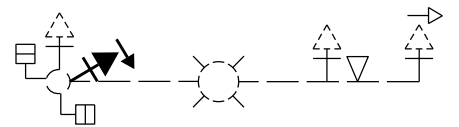
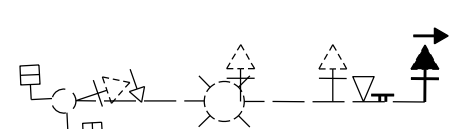
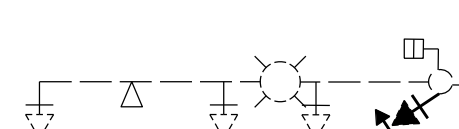
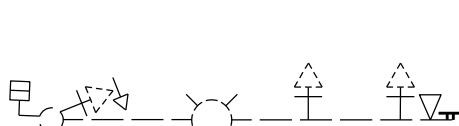
- | | |
|---|---|
|  | <i>New Signal Head</i> |
|  | <i>Existing Signal Head</i> |
|  | <i>Existing Traffic Controller Cabinet</i> |
|  | <i>Existing Pedestrian Signal Head</i> |
|  | <i>New Sign</i> |
|  | <i>Existing Sign</i> |
|  | <i>Existing Signal Pole or
Cabinet Number</i> |

		NAME	DATE	ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING	
	DESIGN	J. FREITAS	07/26		000		ARIZ.	0000 YU YUM	YUM-0(224)T	16	19		
	DRAWN	S. LICARI	07/26		MILEPOST		LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS DWG NO. T-02.04						
	CHECKED	D. SMITH	07/26		STRUCTURE NO.		TRACS NO. T0409 01C		___ OF ___				
PARSONS 1050 W. WASHINGTON STREET SUITE 114 TEMPE, ARIZONA 85288				Traffic Signal Plan 32nd Street and Avenue 2E									

TRAFFIC SIGNAL CONTROLLER			AUX. CONTROL	REMARKS	LOCATION
CABINET	TYPE	CONTROLLER			
A 	-	COBALT C	-	Cabinet to remain. Install all signal head connections.	-

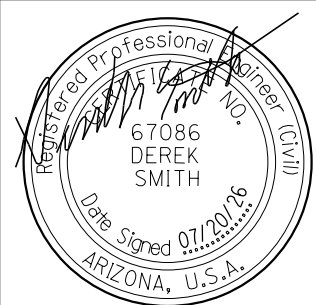
NOTES:

- Refer to the Traffic Signal General Notes sheet for more details.
- Remove existing sign to be paid through Item 2020053.
- Remove existing signal head and associated wiring to be paid through Item 2020057.

POLE		MAST ARM		SIGNALS		P.B.	REMARKS	LOCATION
NO.	TYPE	SIG.	LUM.	MTG.	FACE	SIGN		
B 	-	-	-	Type V	4-Section FYA	-	Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring.	-
C 	-	-	-	Type II	4-Section FYA	R10-101	Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring. Remove existing sign. Install new R10-101 sign on mast arm per City of Yuma standard.	-
D 	-	-	-	Type V	4-Section FYA	-	Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring.	-
E 	-	-	-	Type II	4-Section FYA	R10-101	Remove existing signal head and associated wiring. Install new 4-Section FYA and associated wiring. Remove existing sign. Install new R10-101 sign on mast arm per City of Yuma standard.	-

LEGEND

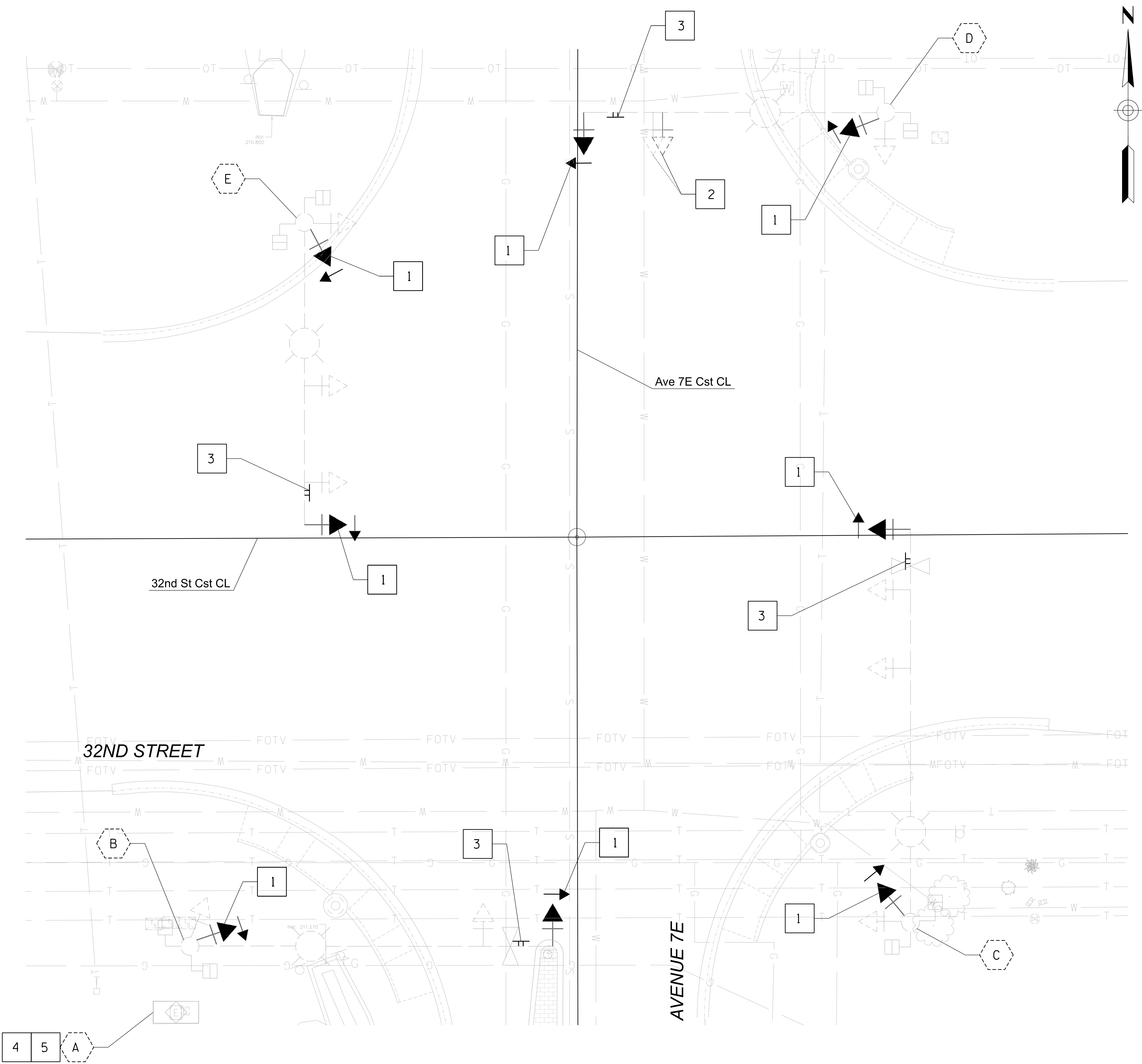
-  New Signal Head
-  Existing Signal Head
-  Existing Traffic Controller Cabinet
-  Existing Pedestrian Signal Head
-  New Sign
-  Existing Signal Pole or Cabinet Number
-  Existing Sign



	NAME	DATE
DESIGN	J. FREITAS	07/26
DRAWN	S. LICARI	07/26
CHECKED	D. SMITH	07/26

PARSONS
1050 W. WASHINGTON STREET SUITE 114
TEMPE, ARIZONA 85288

ARIZONA DEPARTMENT OF TRANSPORTATION INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION TRAFFIC DESIGN SERVICES	ROUTE 000	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	0000 YU YUM			YUM-0(224)T	17	19		
	Traffic Signal Pole and Equipment Schedule 32nd Street and Avenue 2E	MILEPOST	3 CITYWIDE TURN SIGNAL LOCATIONS					
STRUCTURE NO.		TRACS NO. T0409 01C						____ OF ____



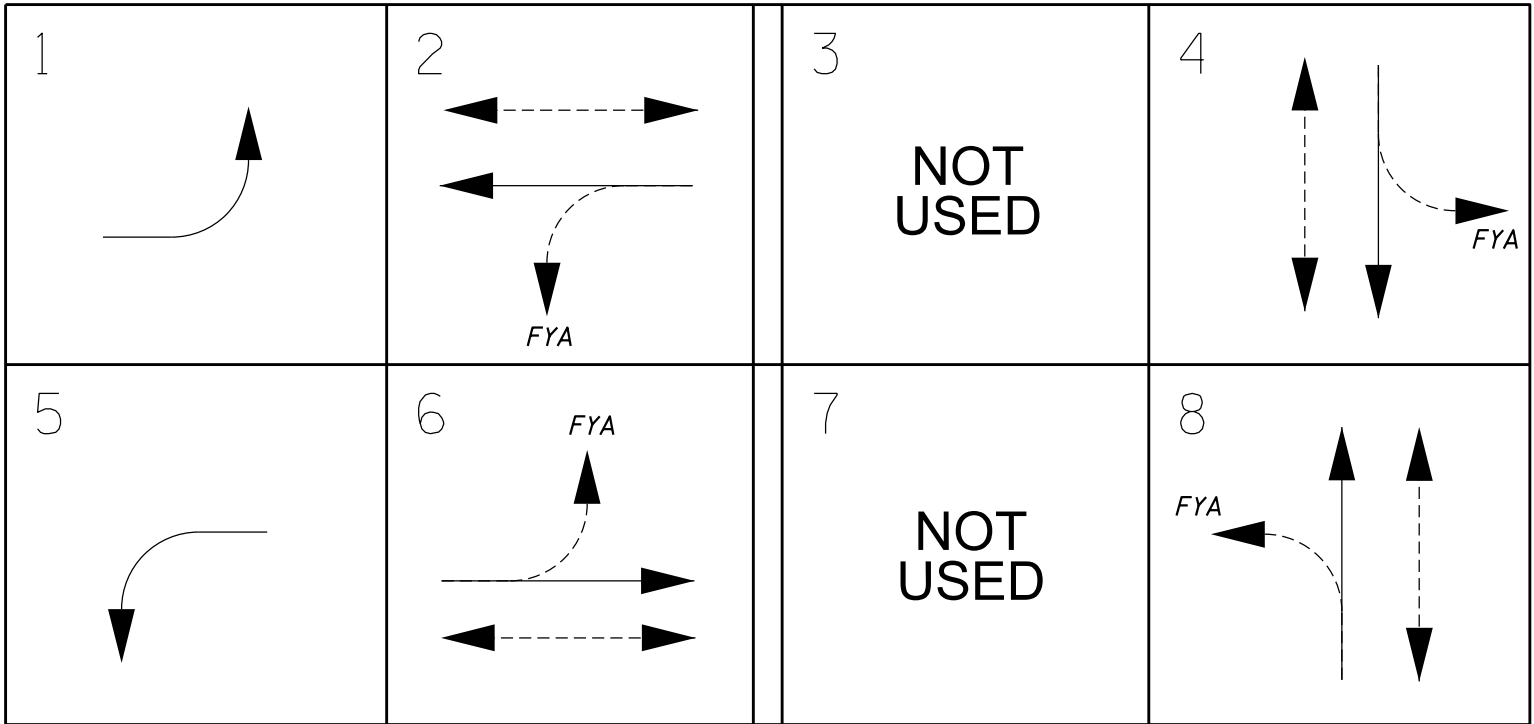
CONSTRUCTION NOTES

1. Remove and replace existing signal head with new FYA signal head.
2. Reset existing signal head centered on through lane.
3. Install new "LEFT TURN YIELD ON FLASHING YELLOW ARROW" sign (R10-101, 30" x 36") on signal mast arm.
4. Remove existing ASC/3 traffic signal controller and replace with a Cobalt controller. Reconnect all associated signal heads.
5. Upgrade MMU in existing controller cabinet to City of Yuma traffic signal standards and specifications.

NOTES

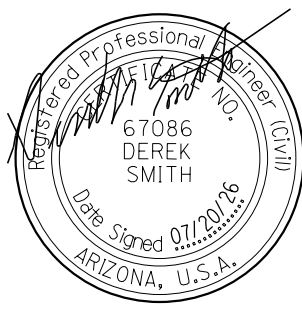
1. The contractor shall ensure that all new overhead signal heads are centered on each lane.
2. Wiring information is provided on the Traffic Signal General Notes sheet.

SIGNAL PHASING DIAGRAM (FOR INFORMATION ONLY)



LEGEND

- New Signal Head
- Existing Signal Head
- Existing Traffic Controller Cabinet
- Existing Pedestrian Signal Head
- New Sign
- Existing Sign
- Existing Signal Pole or Cabinet Number



	NAME	DATE
DESIGN	J. FREITAS	07/26
DRAWN	S. LICARI	07/26
CHECKED	D. SMITH	07/26
PARSONS 1050 W. WASHINGTON STREET SUITE 114 TEMPE, ARIZONA 85288		

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

Traffic Signal Plan
32nd Street and Avenue 7E

ROUTE

000

MILEPOST

STRUCTURE NO.

F.H.W.A. Arizona Division

STATE

ARIZ.

PROJECT NO.

0000 YU YUM

FEDERAL ID NO.

YUM-0(224)T

SHEET NO.

18

TOTAL SHEETS

19

RECORD DRAWING

LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS

TRACS NO. T0409 01C

DWG NO. T-02.06

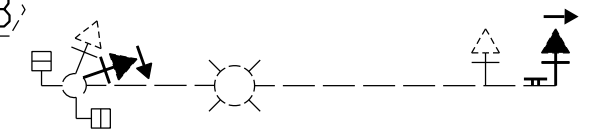
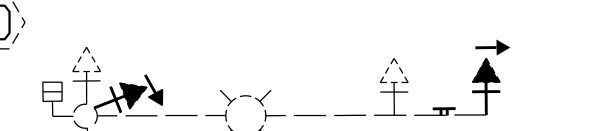
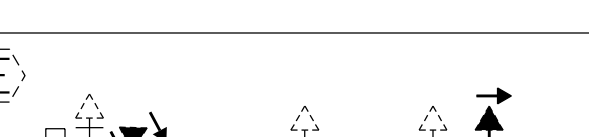
OF

CABINET & POLE SCHEDULE

TRAFFIC SIGNAL CONTROLLER			AUX. CONTROL	REMARKS	LOCATION
CABINET	TYPE	CONTROLLER			
A 	-	COBALT C	-	Cabinet to remain. Remove existing MMU and replace with EDI MMU2-16LE(ip). Remove existing controller and replace with new Econolite Cobalt C. Reconnect all existing signal heads.	-

NOTES:

1. Refer to the Traffic Signal General Notes sheet for more details.
2. Remove existing signal head and associated wiring to be paid through Item 2020057.
3. Reset existing signal head and associated wiring to be paid through Item 7370422.

POLE		MAST ARM		SIGNALS		P.B.	REMARKS	LOCATION	
NO.	TYPE	SIG.	LUM.	MTG.	FACE	SIGN			
(B)		-	-	-	Type II Type V	(2) 3-Section FYA	R10-101	Remove existing signal heads and associated wiring. Install new 3-Section FYA on mast arm and on signal pole with associated wiring Install new R10-101 sign on mast arm per City of Yuma standard.	-
(C)		-	-	-	Type II Type V	(2) 4-Section FYA	R10-101	Remove existing signal heads and associated wiring. Install 2 new 4-Section FYA on mast arm and on signal pole with with associated wiring. Install new R10-101 sign on mast arm per City of Yuma standard.	-
(D)		-	-	-	Type II Type II Type V	(2) 3-Section FYA	R10-101	Remove existing signal heads. Reset existing signal head and associated wiring. Install new 3-Section FYA on mast arm and on signal pole with associated wiring. Install new R10-101 sign on mast arm per City of Yuma standard.	-
(E)		-	-	-	Type II Type V	(2) 4-Section FYA	R10-101	Remove existing signal heads and associated wiring. Install 2 new 4-Section FYA on mast arm and on signal pole with associated wiring. Install new R10-101 sign on mast arm per City of Yuma standard.	-

LEGEND

-  *New Signal Head*
 *Existing Signal Head*
 *Existing Traffic Controller Cabinet*
 *Existing Pedestrian Signal Head*
 *New Sign*
 *Existing Signal Pole or Cabinet Number*
 *Existing Sign*

	NAME	DATE
DESIGN	J. FREITAS	07/26
DRAWN	S. LICARI	07/26
CHECKED	D. SMITH	07/26

PARSONS
1050 W. WASHINGTON STREET SUITE 114
TEMPE, ARIZONA 85288

ARIZONA DEPARTMENT OF TRANSPORTATION
INFRASTRUCTURE DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

Traffic Signal Pole
and Equipment Schedule
32nd Street and Avenue 7E

ROUTE 000	F.H.W.A. Arizona Division	STATE ARIZ.	PROJECT NO. 0000 YU YUM	FEDERAL ID NO. YUM-0(224)T	SHEET NO. 19	TOTAL SHEETS 19	RECORD DRAWING
MILEPOST	LOCATION 3 CITYWIDE TURN SIGNAL LOCATIONS						DWG NO. T-02.07
STRUCTURE NO.	TRACS NO. T0409 01C						OF