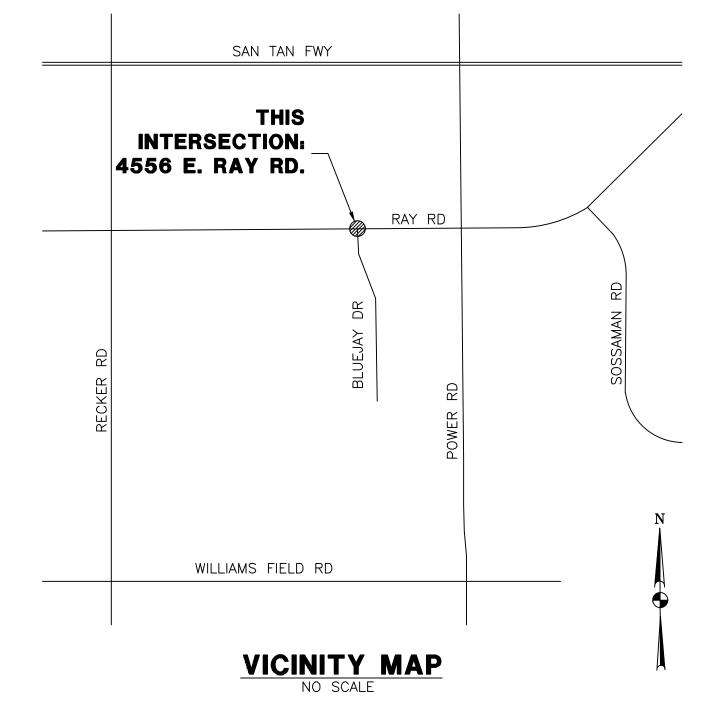
TOWN OF GILBERT TRAFFIC SIGNAL CONSTRUCTION PLANS

BLUEJAY DR & RAY

TRAFFIC ENGINEERING SIGNAL PLAN GENERAL NOTES

- 1. ALL MATERIALS AND INSTALLATION SHALL CONFORM TO CURRENT EDITIONS OF THE TOWN OF 14. THE CONTRACTOR SHALL CONTACT SRP AT (602) 236-6326 A MINIMUM OF THREE WEEKS PRIOR GILBERT (TOG) STANDARDS AND DETAILS, ARIZONA DEPARTMENT OF TRANSPORTATION (ADOT) "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOT "TRAFFIC SIGNALS & LIGHTING STANDARD DRAWINGS", MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), MAG SPECIFICATIONS AND DETAILS, THE SPECIAL PROVISIONS, AND THESE PLANS.
- 2. THE UTILITIES DEPICTED HEREON ARE BASED UPON THE BEST AVAILABLE INFORMATION AT THE TIME OF THE FIELD SURVEY. THE CONTRACTOR SHALL CONTACT ARIZONA 811, BLUE STAKE CENTER AT (602) 263-1100 A MINIMUM OF 48 HOURS PRIOR TO ANY CONSTRUCTION AND 17. ALL CONDUIT RUNS UNDER EXISTING PAVEMENT AND DRIVEWAYS SHALL BE INSTALLED BY FIELD-VERIFY EXACT LOCATIONS OF ALL UTILITIES. IF DISCREPANCIES EXIST, CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY. SEE COVER SHEET FOR UTILITY CONTACTS.
- 3. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL POTHOLE FOR UTILITIES. PRIOR TO INSTALLATION OF CONDUIT, THE CONTRACTOR SHALL POTHOLE FOR UTILITIES WHERE CONDUIT INSTALLATION SHALL CROSS EXISTING FACILITIES.
- 4. THE CONTRACTOR SHALL MAINTAIN AT LEAST 2 FEET CLEARANCE FROM RWCD UTILITY LINES, 4 FEET FROM DRAINAGE "V" DITCHES, AND AT LEAST 1 FOOT CLEARANCE FROM ALL OTHER UTILITIES.
- 5. THE CONTRACTOR SHALL REPLACE ALL LANDSCAPING AND IRRIGATION FACILITIES THAT MAY BE DISTURBED OR DAMAGED DURING TRAFFIC SIGNAL CONSTRUCTION AT HIS OWN EXPENSE. CONTACT THE TOWN OF GILBERT STREET DEPARTMENT AT (480) 503-6400 FOR INFORMATION ON LOCATIONS OF IRRIGATION EQUIPMENT.
- 6. TOPS OF POLE FOUNDATIONS SHALL BE AT SAME ELEVATION AS THAT OF ADJACENT SIDEWALK OR FLUSH WITH THE SIDEWALK. CONCRETE POLE APRONS SHALL BE INSTALLED AROUND POLE BASES AS NECESSARY TO SATISFY CURRENT ADA ACCESSIBILITY GUIDELINES. IF NO SIDEWALK IS PRESENT, THE ELEVATIONS SHALL MATCH TOP OF ADJACENT CURB. BOTTOM OF LEVELING NUTS SHALL BE LEVEL WITH SIDEWALK ELEVATION. DO NOT GROUT. LEVELING NUTS WILL BE EXPOSED.
- 7. APPROXIMATE STATION AND OFFSET ARE SHOWN IN THE PULL BOX SCHEDULE. THE CONTRACTOR SHALL CONTACT TOG TRAFFIC OPERATIONS AT (480) 503-6981 TO COORDINATE LOCATION OF THE TRAFFIC SIGNAL PULL BOXES.
- 8. WHERE THE EXISTING PULL BOX IS TO BE REMOVED AND REPLACED WITH A NEW PULL BOX OR SPLICE VAULT, THE CONTRACTOR SHALL ADJUST THE EXISTING CONDUIT SWEEPS TO ENTER THE NEW PULL BOX OR SPLICE VAULT INSTALLATION PER TOWN OF GILBERT STANDARD DETAILS GIL-841, GIL-842 AND GIL-844.
- 9. THE CONTRACTOR SHALL SUPPLY A COMPLETE CONTROLLER & CABINET ASSEMBLY, SIGNAL POLES, SIGNAL & LUMINAIRE MAST ARMS, LED SIGNAL & PEDESTRIAN HEADS, APS PEDESTRIAN PUSH BUTTONS AND ANCHOR BOLTS. CONTRACTOR SHALL ALSO SUPPLY LUMINAIRE HEADS, PRE-EMPTION EQUIPMENT, WIRE AND METER PEDESTAL AS WELL AS ALL OTHER EQUIPMENT, 24. THE CONTRACTOR SHALL PROVIDE AND INSTALL CCTV SYSTEM IN ACCORDANCE WITH MATERIALS AND LABOR REQUIRED BY THE PROJECT.
- 10. THE CONTRACTOR SHALL PROVIDE AND INSTALL LUMINAIRES. LUMINAIRES SHALL BE COOPER LIGHTING STREETWORKS-OVF-F05-LED-E-U-T3-BZ-4N7-OA/RA1013 OR APPROVED EQUAL. ALL LUMINAIRES WILL HAVE SHORTING CAPS INSTALLED.
- 11. INTERNALLY ILLUMINATED STREET NAME SIGNS (I.S.N.S.) SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR. INDIVIDUAL INLINE FUSE HOLDER, PART NUMBERS WPBJ - (RUBBER BOOT) AND HEB - (AA BUSS FUSE HOLDERS) SHALL BE INSTALLED FOR BOTH I.S.N.S. AND LUMINAIRES IN THE PULL BOX AT THE BASE OF EACH POLE.
- 12. THE CONTRACTOR SHALL PAINT POLES, MAST ARMS, AND LUMINAIRES BROWN PER THE CURRENT TOG STANDARD DETAILS AND SPECIFICATIONS (TNEMEC - SERIES 1075 DARK BRONZE 86BR, SERIES 1079 CLEAR SEMI-GLOSS).
- 13. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE CONDUIT RUNS FROM THE SRP POWER SOURCE POD TO THE METER PEDESTAL. SRP WILL INSTALL THE SERVICE WIRE FROM THE SRP POWER SUPPLY (POD) TO THE METER PEDESTAL.

- TO CONSTRUCTION FOR POWER SOURCE POINT OF DELIVERY (POD) LOCATION AND INSTALLATION REQUIREMENTS.
- 15. ALL CONDUIT SHALL BE SCHEDULE 40 PVC.
- 16. INSTALLATION OF ALL CONDUIT, PULL BOXES, TRAFFIC SIGNAL INTERCONNECT, AND CONDUCTORS, SHALL BE DONE IN ACCORDANCE WITH THE TOWN OF GILBERT STANDARD DETAILS.
- DIRECTIONAL BORING, UNLESS PRIOR APPROVAL IS OBTAINED FROM TOWN OF GILBERT.
- 18. THE CONTRACTOR SHALL CONTACT TOG TRAFFIC OPERATIONS AT (480) 503-6981 TO COORDINATE THE EMERGENCY PRE-EMPTION DETECTOR LINE OF SIGHT. EMERGENCY PREEMPTION SHALL BE 4-CHANNEL STROBECOM II MANUFACTURED BY TOMAR CORP. OR APPROVED EQUAL. TERMINATIONS SHALL BE DONE IN ACCORDANCE WITH TOWN OF GILBERT STANDARD DETAILS.
- 19. THE CONTRACTOR SHALL SUPPLY AND INSTALL BROADBAND RADIO: SIMREX DATAMOVER WB-K58B-23-E2 SYSTEM OR APPROVED EQUAL. SPREAD SPECTRUM RADIO ANTENNAS SHALL BE MOUNTED IN ACCORDANCE WITH TOWN OF GILBERT STANDARD DETAIL GIL-862. PRIOR TO INSTALLATION OF THE ANTENNAS, THE CONTRACTOR SHALL CONTACT TOG TRAFFIC OPERATIONS AT (480) 503-6981 OR 6926 FOR PART NUMBERS OF RADIO INTERCONNECT SYSTEM AND TO COORDINATE INSTALLATION.
- 20. THE CONTRACTOR SHALL SUPPLY AND INSTALL VIDEO DETECTION SYSTEM IN ACCORDANCE WITH THE PROJECT'S SPECIAL PROVISIONS AND PLANS. THE SYSTEM WILL BE ECONOLITE AUTOSCOPE VISION. THE MATERIALS AND CONSTRUCTION SHALL COMPLY WITH TOWN OF GILBERT STANDARD DETAILS AND SPECIFICATIONS FOR VIDEO DETECTION AND THE MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL VERIFY MOUNTING LOCATIONS WITH TOWN OF GILBERT PRIOR TO INSTALLATION. PROVIDE EXTENSION BRACKET AS REQUIRED.
- 21. CONTRACTOR SHALL PROVIDE & INSTALL SIEMENS/RUGGEDCOM 6KG60900GS2-3-0-A-0-Z-A05 WITH 6 FT POWER CORD SHELF-MOUNT UNIT OR APPROVED EQUAL. CONTACT TOG TRAFFIC OPERATIONS AT (480) 503-6981 FOR DETAILS.
- 22. THE SIGNAL CABINET SHALL BE INSTALLED SUCH THAT MAINTENANCE PERSONNEL FACING THE DOOR OF THE CABINET SHALL BE ABLE TO VIEW THE INTERSECTION.
- 23. THE CONTRACTOR SHALL INSTALL NEW APS PEDESTRIAN PUSH BUTTONS (PPB) IN COMPLIANCE WITH THE CURRENT PROPOSED GUIDELINES FOR PEDESTRIAN FACILITIES IN THE PUBLIC RIGHT-OF-WAY (PROWAG) AND ADOT STANDARD T.S. 11-1. THE PPB SHALL BE MOUNTED IN ACCORDANCE WITH ADOT T.S. 4-21, EXCEPT THE CENTER OF THE PUSH BUTTON SHALL BE A MAXIMUM OF 42 INCHES ABOVE THE FINISHED SIDEWALK.
- THE PROJECT'S SPECIAL PROVISIONS AND PLANS. CCTV CAMERAS SHALL BE MOUNTED IN ACCORDANCE WITH TOWN OF GILBERT STANDARD DETAIL GIL-861. PRIOR TO INSTALLATION OF THE CCTV SYSTEMS, THE CONTRACTOR SHALL CONTACT TOG TRAFFIC OPERATIONS AT (480) 503-6981 OR 6926. TO COORDINATE INSTALLATION. THE CCTV SYSTEM SHALL INCLUDE PRESSURIZED SIQURA HSSD621PRH MANUFACTURED BY TKH GROUP OR APPROVED EQUAL.
- 25. ALL WORK MUST BE SUPERVISED ON SITE BY A CERTIFIED IMSA LEVEL II TRAFFIC SIGNAL TECHNICIAN. THE CONTRACTOR SHALL SUBMIT THE NAME OF THE TECHNICIAN AND A COPY OF THEIR CERTIFICATION TO THE TOWN OF GILBERT PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. ALL TRAFFIC SIGNAL WORK ON THE PROJECT SHALL TAKE PLACE AND BE SUPERVISED BY THIS TECHNICIAN AT ALL TIMES.
- 26. CONTRACTOR SHALL PROVIDE WAVETRONIX ADVANCED RADAR DETECTION FOR RAY RD.



TOWN CONTACT

RAJNISH GUPTA, P.E. TOWN TRAFFIC ENGINEER 90 E. CIVIC CENTER DR. GILBERT, ARIZONA 85296 (480) 503-6919

SHEET INDEX

TS1 TRAFFIC SIGNAL COVER SHEET TS2 TRAFFIC SIGNAL PLAN TS3 TRAFFIC SIGNAL DETAILS

UTILITY COORDINATION RESPONSE DATE UTILITY COMPANY CONTACT NAME TELEPHONE DATE SENT 9/27/2017 RICK SABRAL 602-236-3117 9/27/2017 CENTURY LINK ESTER MEDINA 480-768-4474 COX COMMUNICATIONS KEN DEGRAFFENREID 623-328-3423 9/27/2017 9/27/2017 SOUTHWEST GAS GENE FLOREZ 480-730-3841 480-503-6420 9/27/2017 TOWN OF GILBERT MARK HORN

* THE TRAFFIC ENGINEERING SIGNAL PLAN GENERAL NOTES ARE INTENDED TO DESCRIBE IN GENERAL TERMS ALL EQUIPMENT NEEDED TO CONSTRUCT A SIGNAL TO T.O.G. STANDARDS ALONG

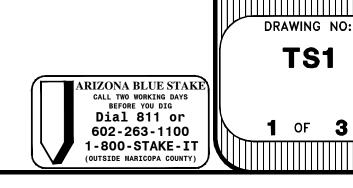
REQUIREMENTS. SOME NOTES MAY NOT APPLY TO THIS PROJECT.

WITH ANY SUPPLEMENTAL CONSTRUCTION METHODS AND

APPROVAL

TRAFFIC ENGINEER

DATE



WRIGHT ENGINEERING PROJECT NO:

17323

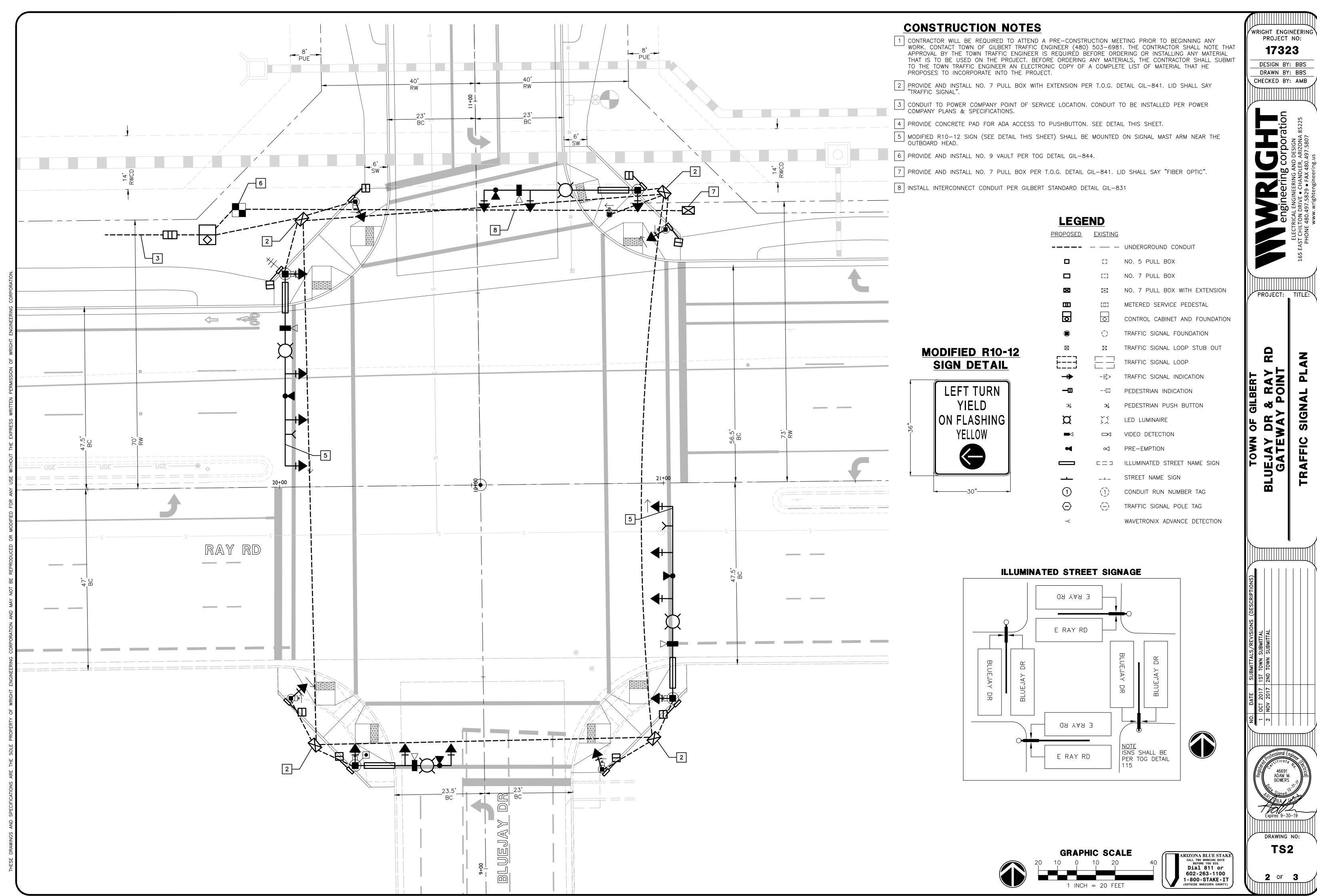
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EQUIPMENT SCHEDULE NO. CABINET **TYPE** REMARKS LOCATION CONTROLLER / EQUIPMENT STA 19+72.2 100A 120/240V TESCO PER TOWN OF GILBERT SPECIFICATIONS 66.0' L TESCO METER 4556 E. RAY RD. PEDESTAL AND REQUIREMENTS STA 19+81.9 ECONOLITE ASC/3-1000 CONTROLLER AND ALL AUXILIARY \Diamond 64.7'L CONTROLLER CABINET EQUIPMENT PER TOWN OF GILBERT SPECIFICATIONS AND NOTE 1 ETHERNET SWITCH REQUIREMENTS **MAST ARM** SIGNALS PED PB LOCATION **POLE** REMARKS SIG LUM & SIGN FACE PPB:Ø6P NOTE 2 PRE-EMPTION 1-FYA "G" STA 20+02.1 NOTE 3 VIDEO DETECTION CAMERA TYPE 1, TS 11-1 55.5' L NOTE 4 ILLUMINATED STREET SIGN 50' R10-3b(L) NOTE 5 LUMINAIRE 1-F NOTE 7 BROADBAND RADIO 1-M/HNOTE 8 WAVETRONIX ø3&ø8 ø8 PPB:ø8P STA 20+20.5 TYPE 1, TS 11-1 1-F 74.1'L R10 - 3b(R)___ ___ 1-M/HNOTE 2 PRE-EMPTION STA 20+94.1 2-FNOTE 3 VIDEO DETECTION CAMERA 76.3'L NOTE 4 ILLUMINATED STREET SIGN 40' 1-F NOTE 5 LUMINAIRE 1-M/HPPB:ø2F STA 21+01.3 1-FYA "G" TYPE 1, TS 11-1 ___ (10") 66.0' L R10-3b(R)1-M/H ø7&ø4 1-FYA "G" NOTE 2 PRE-EMPTION TYPE 1, TS 11-1 STA 21+01.8 NOTE 3 VIDEO DETECTION CAMERA R10-3b(L)56.1' R 50' 20' NOTE 4 ILLUMINATED STREET SIGN NOTE 5 LUMINAIRE 1-F NOTE 8 WAVETRONIX ø7&ø4 ø4 1-M/HPPB:ø2P&ø4P TYPE 1, TS 11-1 STA 20+83.2 1-F R10-3b(R)74.4'R ___ ___ 1-M/Hø4P NOTE 2 PRE-EMPTION STA 20+18.9 NOTE 3 VIDEO DETECTION CAMERA 2-F R10-3b(L)72.7'R NOTE 4 ILLUMINATED STREET SIGN 25' 20' 1-F NOTE 5 LUMINAIRE 1-M/HNOTE 6 CCTV CAMERA PPB:ø6P&ø4P STA 20+02.3 TYPE 1, TS 11-1 1-FYA "G" 1-M/H

TYPE 1, TS 11-1

R10-3b(R)

CONDUCTOR COLOR CODING CRITERIA

IMSA CABLE 19-1, #14 AWG SOLID, 4 CONDUCTOR & 7 CONDUCTOR

4 SE OUTBOA
7-
BAS COL
REI
BLAC
GRE
ORAN
BLU
WHI
WHT/BL

4 SECTION	SIGNAL HEADS
OUTBOARD &	FAR LEFT (FYA
7-COND	UCTOR CABLE
BASIC	SIGNAL
COLOR	INTERVAL
RED	RED ARROW
BLACK	YELLOW ARROW
GREEN	GREEN ARROW
ORANGE	SPARE
BLUE	SPARE
WHITE	VEH. COM
WHT/BLK TR	FY ARROW

PEDESTRIA	AN HEADS								
4-CONDUC	TOR CABLE								
BASIC COLOR	SIGNAL INTERVAL								
RED DON'T WALK									
GREEN	WALK								
WHITE PED. COM.									
BLACK	SPARE								

SIGNAL INBOARD &	
4-CONDUC	TOR CABLE
BASIC COLOR	SIGNAL INTERVAL
RED	RED
BLACK	YELLOW
GREEN	GREEN
WHITE	VEH. COM
BLACK GREEN	YELLOW GREEN

PUSH	BUTTON
2-CONDUC	TOR CABLE
COLOR	CALL OUT
BLACK	PUSH BUTTON
WHITE	P.B. COM

THE CABLE SHALL BE TAGGED TO INDICATE PHASE.

IMS	SA CABLE 19	9-1, #14	- AWG, 25	CONDUCTOR								
CABLE #1	CABLE #2		OR COLOR	SIGNAL								
CABLL #1	CABLL #2	BASIC COLOR	TRACER STRIPE	INTERVAL								
		RED	WHITE	RED ARROW								
ø1 OR OVERLAP C	ø5 OR OVERLAP D	BLACK	WHITE	YELLOW ARROW								
FY ARROW	FY ARROW	GREEN	WHITE	GREEN ARROW								
11 /1111011	11 /(((()))	BLACK	WHITE/RED	FLASHING YELLOW ARRO								
		RED		RED								
ø2	ø6	ORANGE		YELLOW								
		GREEN		GREEN								
		BLACK	RED	RED ARROW								
Ø3 OR OVERLAP B	ø7 OR	ORANGE	RED	YELLOW ARROW								
FY ARROW	FY ARROW	BLUE	RED	GREEN ARROW								
11 /1111011	11 /((((0)))	WHITE	BLACK/RED	FLASHING YELLOW ARRO								
		RED	BLACK	RED								
ø4	ø8	ORANGE	BLACK	YELLOW								
		GREEN	BLACK	GREEN								
		BLUE		RED YELLOW GREEN WALK DON'T WALK								
ø2 PED.	ø6 PED.	BLACK		LACK GREEN WALK DON'T WALK								
		WHITE	BLACK	PUSH BUTTON								
		BLUE	WHITE	WALK								
ø4 PED.	ø8 PED.	RED	GREEN	DON'T WALK								
		WHITE	RED	PUSH BUTTON								
ALL PHASES	ALL PHASES	WHITE		P.B. COMMON								
		BLUE	BLACK	SPARE								
		ORANGE	GREEN	SPARE								
		RED	BLACK/WHITE	SPARE								
		GREEN	BLACK/WHITE	SPARE								

THE 25 CONDUCTOR CABLES SHALL BE TAGGED ON BOTH ENDS AS FOLLOWS:
RED TAPE FOR SE TO NE RUN
YELLOW TAPE FOR SE TO SW RUN

GREEN FOR SW TO NW RUN BLUE FOR NW TO NE RUN

PHASE SEQUENCE

NOTE
STATION & OFFSET OF ALL
EQUIPMENT IS MEASURED FROM
RAY RD CONSTRUCTION
CENTERLINE AS LABELED ON
THESE PLANS.

POLE EQUIPMENT NOTES

1. HARDENED ETHERNET SWITCH SIEMENS/RUGGEDCOM 6KG60900GS2-3-0-A-0-Z-A05 WITH 6 FT POWER CORD. DELIVER TO TOWN FOR ADDRESSING BEFORE INSTALLATION.

PED

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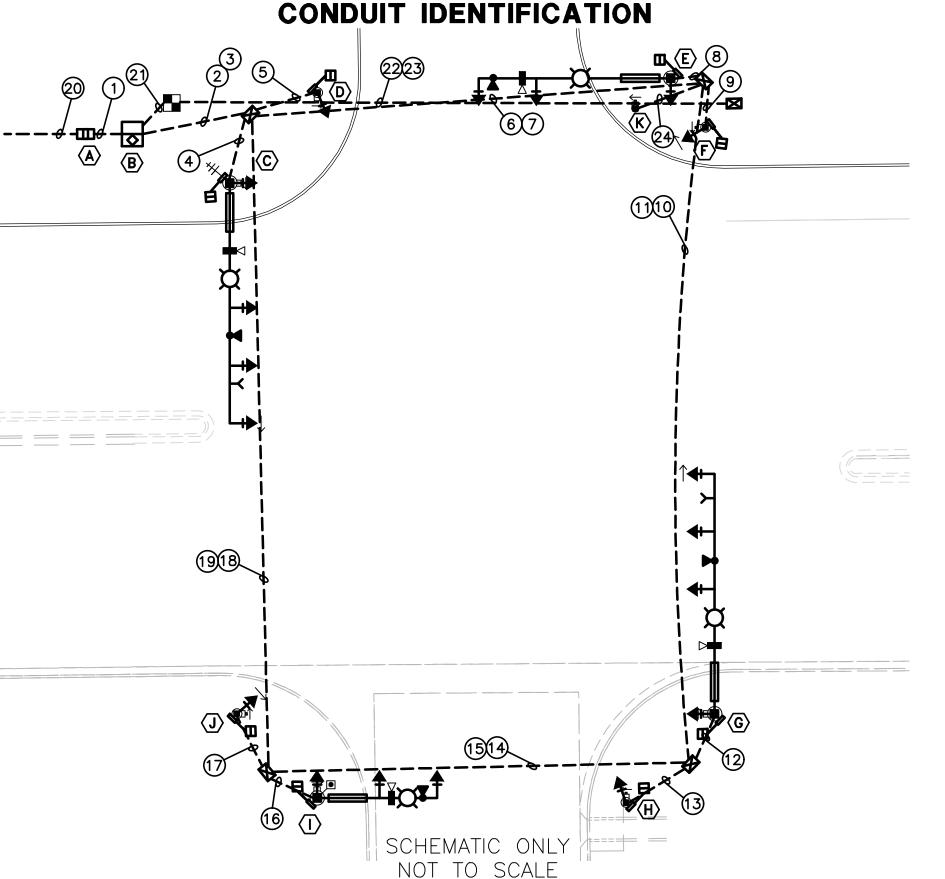
PPB:ø8P

- EMERGENCY PRE-EMPTION EQUIPMENT SHALL BE STROBECOM II MANUFACTURED BY TOMAR. INSTALL ALL NECESSARY EQUIPMENT FOR A COMPLETE AND OPERATIONAL SYSTEM PER TOWN OF GILBERT SPECIFICATIONS.
 INSTALL VIDEO DETECTION CAMERA MOUNTED SECURELY TO SIGNAL MAST ARM. CAMERA TO BE ECONOLITE AUTOSCOPE VISION.
- 3. INSTALL VIDEO DETECTION CAMERA MOUNTED SECURELY TO SIGNAL MAST ARM. CAMERA TO BE ECONOLITE AUTOSCOPE VISION. PROVIDE AND INSTALL ALL NECESSARY EQUIPMENT FOR A COMPLETE AND OPERATIONAL SYSTEM PER TOWN OF GILBERT SPECIFICATIONS. INSTALL 6' EXTENSION ON SIGNAL MAST ARM.

4. INSTALL INTERNAL ILLUMINATED STREET NAME SIGN PER TOWN OF GILBERT SPECIFICATIONS. CONTACT TOWN OF GILBERT FOR

- EXACT WORDING AND NUMBERS FOR SIGN.

 5. INSTALL 120/277V LED LUMINAIRE, GE EVOLVE CAT# ERL2-0-16-C3-30-A-DKBZ-R OR APPROVED EQUAL. ALL LUMINAIRES WILL HAVE SHORTING CAPS INSTALLED.
- 6. INSTALL CCTV SYSTEM TO INCLUDE PRESSURIZED SIQURA HSD820H3PRH PTZ DOME WITH D/N, WDR CAMERA, OR APPROVED EQUAL. INSTALLATION PER TOWN OF GILBERT STANDARD DETAIL GIL—861. DELIVER TO TOWN FOR ADDRESSING BEFORE INSTALLATION.
- 7. INSTALL BROADBAND RADIO EQUIPMENT (SIMREX DATAMOVER WB-K58B-23-E2) PER GILBERT STANDARD DETAIL GIL-862.
- 8. INSTALL WAVETRONIX SMART SENSOR ADVANCE DETECTION RADARS PER MANUFACTURERS SPECIFICATIONS. LOCATE ON THE FRONT SIDE OF SIGNAL MAST ARM BETWEEN INBOARD AND MIDDLE HEADS. INCLUDE ALL NECESSARY CONTROLLER MODULES AND MOUNTING HARDWARE.



STA 20+86.7

70.1'L

CONDUCTOR SCHEDULE

	CONDUIT RUN NUMBER	1	2	3	4	(5)	6	7	8	9	10	11	12	13)	14)	15	16	17	18	19	20	2)	22/2	3)(24)
	CONDUIT SIZE IN INCHES	2.5			3	2		4		2	4						3				2.5			
		NUMBER OF WIRES																						
	#14 IMSA 19-1, 25 CONDUCTOR		2				2				2				2				2					
SIGNALS, PED	#14 IMSA 19-1, 7 CONDUCTOR				1	1			1	1			1	1			1	1						
HEADS, PUSH	#14 IMSA 19-1, 4 CONDUCTOR				4	1			3	1			3	2			2	2						
BUTTONS	#14 IMSA 19-1, 2 CONDUCTOR				1	1				1				2				2						1
	#8 WHITE THW COMMON, SOLID		1				1				1				1				1					
	#8 GREEN THW, SOLID	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				1
DETECTORS	VIDEO DETECTION-ISOTEC 159PVCC-00 SIAMESE			4	1			2	1			1	1				1			1				
LUMINAIRES	#10 BLACK THW, SOLID RED TAPE	1	1		1				1				1				1							
LUMINAIRES	#10 WHITE THW, SOLID	1	1		1				1				1				1							
SERVICE	#6 (120/240) HOT-BLACK	1																						
SLIVICE	#6 (120/240) NEUTRAL-WHITE	1																						
PRE-EMPTION	OPTRONIX M913 DETECTOR CABLE			4	1			2	1			1	1				1			1				
ILLUMINATED STREET NAME	#10 BLACK THW, SOLID; BROWN TAPE	1	1		1		1		1		1		1				1		1					
SIGNS	#10 WHITE THW, SOLID	1	1		1		1		1		1		1				1		1					
	PULL TAPE																				1			
	CCTV POWER CABLE			1													1			1				
OTHER	CAT 5 COMM CABLE FOR CCTV			1													1			1				
OTHER	GATOR PATCH CABLE																							
	RADIO OUTDOOR CAT5E CABLE			1	1																			
	WAVETRONIX SMARTSENSOR 6 CONDUCTOR			2	1			1				1	1											
PED & M/H COM	M913 DETECTOR CABLE								1															1

NOTES

- 1. THE IMSA 25-CONDUCTOR CABLE SHALL BE #14 AWG IMSA 19-1. THE IMSA 4-CONDUCTOR AND 7-CONDUCTOR CABLE SHALL BE #14 AWG IMSA 19-1. THE IMSA 2-CONDUCTOR CABLE SHALL BE #14 AWG IMSA 19-1 ALL IMSA CONDUCTORS SHALL BE SOLID.
- 2. ALL NEW WIRE (BOTH UNDERGROUND AND OVERHEAD) SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING MULTICOLOR CONDUCTORS WHICH MEET THE COLOR CODING CRITERIA IDENTIFIED ABOVE.
- 4. INSTALL PULL TAPE AND TRACER WIRE IN ALL EMPTY CONDUITS.
- 5. CONTRACTOR TO INSTALL CONDUIT FROM METER PEDESTAL TO TRANSFORMER PER POWER COMPANY PLANS. PROVIDE 90 DEGREE SWEEP AND STUB CONDUIT WITHIN 2' OF TRANSFORMER. POWER COMPANY TO INSTALL CONDUCTORS.
- 6. ALL LUMINAIRES AND ILLUMINATED STREET NAME SIGNS TO HAVE FUSES INSTALLED IN PULL BOXES AT BASE OF POLE.
- 7. APS PUSH BUTTONS MUST BE CONNECTED TO THE COUNT-DOWN PEDESTRIAN HEADS WITH BELDON M913 PREEMPTION CABLE.



WRIGHT ENGINEERING PROJECT NO: 17323

DESIGN BY: BBS
DRAWN BY: BBS
CHECKED BY: AMB

engineering corpora

ELECTRICAL ENGINEERING AND DESIGN
AST CHILTON DRIVE • CHANDLER, ARIZONA 8

PROJECT: TITLE:

OF GILBERT
DR & RAY RD
WAY POINT

BLUEJAY DR GATEWAY TRAFFIC SIGN

VISIONS (DESCRIPTIONS)

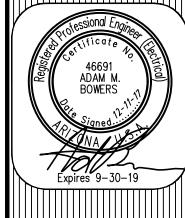
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TTAL

DATE SUBMITTALS/REVISIONS (DES 2017 1ST TOWN SUBMITTAL

7 2017 2ND TOWN SUBMITTAL

Projessional Engineer



TS3

3 OF **3**