



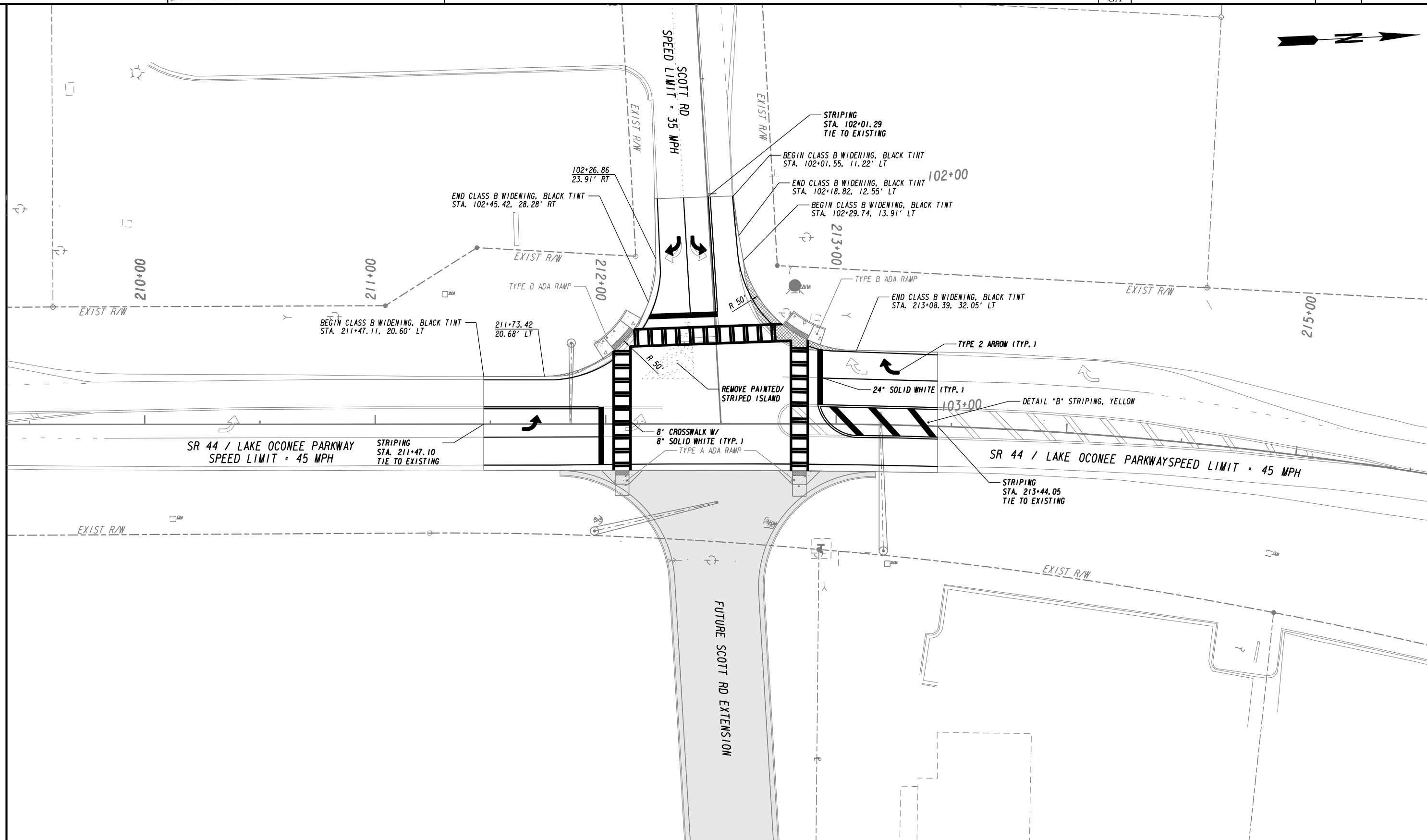
Addendum No. 1

Date of Addendum Issuance: May 10, 2021

Project: SR 44 @ SCOTT ROAD TRAFFIC SIGNAL INSTALLATION

Bid Item #: 21-42001-002

Refer to the following modified Signal Installation plan sheets (6 sheet) prepared by Southeast Engineering, Inc, dated 5/6/2021



| REVISION DATES | |
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| 05-06-21 | |
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PUTNAM COUNTY
BOARD OF COMMISSIONERS
COLLABORATIVE INFRASTRUCTURE SERVICES
SIGNING AND MARKING PLANS

SR 44 AT SCOTT RD

DRAWING No.
26-0001

TRAFFIC SIGNAL GENERAL NOTES

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO THE CURRENT EDITION OF THE FOLLOWING: GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS (SPECIFICALLY SECTIONS 647 & 925), THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, THE NATIONAL ELECTRIC CODE AND GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARDS AND DETAILS.
2. SIGNAL HEADS SHALL BE ERECTED TO PROVIDE AT LEAST 17 FEET BUT NO MORE THAN 19 FEET CLEARANCE FROM BOTTOM OF SIGNAL HEADS TO TOP OF ROAD SURFACE AND A MINIMUM OF 8 FEET MEASURED HORIZONTALLY BETWEEN CENTERS OF SIGNAL FACES.
3. 3-PAIR 18 AWG SHIELDED STRANDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET, DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET. ONLY ONE (1) PHASE PER LEAD-IN CABLE WILL BE ALLOWED.
4. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES PRIOR TO ORDERING. AT THE DISCRETION OF THE ENGINEER, MINOR SHIFTS, (UP TO A MAXIMUM OF 5 FEET), IN LOCATION OF NEW SIGNAL POLES, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES. MINIMUM CLEARANCES FROM EDGE OF PAVEMENT SHALL BE MAINTAINED. PLACEMENT OF THE SIGNAL HEADS SHALL BE RETAINED AS SHOWN ON THE PLANS.
5. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING SPAN WIRE OR INTERCONNECT CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
6. MATERIAL CERTIFICATION AND APPROVAL BY GDOT TRAFFIC SIGNAL MANAGER AND/OR DEPARTMENT DESIGNEE IS REQUIRED PRIOR TO ORDERING ANY SIGNAL EQUIPMENT OR BEGINNING ANY INSTALLATION WORK. USE ONLY EQUIPMENT AND MATERIALS THAT ARE ON THE DEPARTMENT'S QUALIFIED PRODUCTS LIST (QPL). THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE LATEST EDITION OF THE GEORGIA DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR THE CONSTRUCTION OF TRANSPORTATION SYSTEMS, INCLUDING ALL SUPPLEMENTAL SPECIFICATIONS (SPECIFICALLY SECTIONS 647 & 925).
7. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC SIGNAL MANAGER PRIOR TO FINAL ACCEPTANCE. NOTIFICATION OF REQUEST FOR INSPECTION MUST BE SENT IN WRITING OR VIA E-MAIL TO THE DISTRICT SIGNAL MANAGER AT "GEORGIA DEPARTMENT OF TRANSPORTATION, 643 HIGHWAY 15 SOUTH TENNILLE, GEORGIA 31089, ATTENTION: DISTRICT SIGNAL MANAGER" A MINIMUM OF ONE WEEK PRIOR TO THE DATE OF INSPECTION.
8. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
9. THE INSTALLATIONS OF TRAFFIC SIGNALS ON THE STATE ROUTE SYSTEM SHALL BE CAPABLE OF MONITORING OVER IP NETWORKS FROM EXISTING CENTRAL COMPUTERS. CENTRAL COMPUTERS ARE LOCATED AT 935 EAST UNITED AVENUE BLDG. 24 ATLANTA, GEORGIA 30316. NETWORK ABILITIES DEMONSTRATION IS REQUIRED AT CENTRAL SITES PRIOR TO FINAL ACCEPTANCE.
10. ALL EXISTING STOP BARS, WORDS, ARROWS, AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE REPLACED IN ACCORDANCE WITH CURRENT GDOT STANDARDS.
11. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL VERTICAL AND HORIZONTAL OVERHEAD UTILITY CLEARANCES PER NEC AND GDOT SPECIFICATIONS. ANY EXISTING OVERHEAD UTILITIES THAT ARE IN CONFLICT WITH THE TRAFFIC SIGNAL INSTALLATION WILL HAVE TO BE ADJUSTED. MINOR SHIFTS (UP TO 5 FT) IN NEW STRAIN POLE LOCATIONS AT THE DISCRETION OF THE ENGINEER ARE ACCEPTABLE TO AVOID OVERHEAD UTILITIES. CONTRACTORS SHALL COORDINATE WITH UTILITY OWNERS TO MAKE UTILITY HEIGHT ADJUSTMENTS WHENEVER NEEDED TO ACCOMMODATE SIGNAL SPAN WIRE. THE SIGNAL SPAN SHALL BE 40 INCHES BELOW THE POWER LINE NEUTRAL. A 10' CLEAR ZONE SHALL BE MAINTAINED BETWEEN OVERHEAD POWER UTILITIES AND SIGNAL EQUIPMENT.
12. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL FEES ASSOCIATED WITH MODIFYING AND ESTABLISHING NEW POWER AND COMMUNICATIONS SERVICES FOR TRAFFIC SIGNALS, DETECTION SYSTEMS, AND/OR CCTV CAMERAS ON THIS PROJECT. IF A UTILITY TRANSFORMER IS REQUIRED FOR TRAFFIC SIGNAL EQUIPMENT, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INCLUDE AS PART OF THEIR BID PRICE, FOR THAT TRAFFIC SIGNAL INSTALLATION IF THE RESPECTIVE UTILITY REQUIRES PAYMENT FOR INSTALLATION.
13. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL MONTHLY POWER AND COMMUNICATION SERVICE TO THE TRAFFIC SIGNAL INSTALLATION AND SUPPORT DEVICES, UNTIL THE NEW TRAFFIC SIGNAL INSTALLATION HAS SATISFACTORILY COMPLETED A TEST PERIOD OF UNINTERRUPTED OPERATION, FOR THIRTY (30) DAYS. UPON COMPLETION OF THE TEST PERIOD, AND THE LETTER OF ACCEPTANCE FROM THE DISTRICT SIGNAL ENGINEER, THE CONTRACTOR WILL COMPLETE A TRANSFER OF UTILITY COST TO PUTNAM COUNTY BOARD OF COMMISSIONERS.
14. PROPOSED ATTACHMENT HEIGHT LOCATIONS ARE PROVIDED AS GENERAL GUIDELINES TO THE TRAFFIC SIGNAL INSTALLER. ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER PRIOR TO ORDERING SIGNAL POLES TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.
15. ALL PEDESTRIAN SIGNAL HARDWARE (PEDESTRIAN SIGNAL HEADS, MOUNTING BRACKETS, PUSH BUTTON STATIONS, PUSH BUTTON STATION ADAPTERS, PEDESTAL POLES AND BASES, ETC) ARE TO BE BLACK. ALL SPAN WIRE/MAST ARM MOUNTED SIGNAL HARDWARE (SIGNAL HEADS, MOUNTING BRACKETS, GOOSENECKS, ETC) ARE TO BE BLACK.
16. AS PER SOME POWER COMPANIES, IT IS REQUIRED THAT ALL TRAFFIC CONTROL DEVICES BE METERED. IF A METER IS REQUIRED, THE METER AND THE DISCONNECT BOX WILL NEED TO BE INSTALLED ON A PEDESTAL MOUNTED STRUCTURE BLACK IN COLOR (SEE POWER SERVICE ASSEMBLY DETAIL). THE SIGNAL CONTRACTOR IS TO COORDINATE WITH THE LOCAL POWER COMPANY FOR POWER CONNECTION AND METERING REQUIREMENTS.
17. THE METER BASE WILL BE SUPPLIED BY THE LOCAL POWER COMPANY. IT WILL BE A 200 AMP COMMERCIAL TYPE WITH A MANUAL BY-PASS SWITCH.
18. THE DISCONNECT NEEDS TO BE 60 AMP NONFUSABLE OUTDOOR TYPE. THE DISCONNECT WILL NEED TO BE A LOCKABLE TYPE. CONTRACTOR IS TO PROVIDE LOCKS AND KEYS.
19. A COMPLETE SIGNAL TIMING PROGRAM IS TO BE DEVELOPED AND INSTALLED IN THE SIGNAL CONTROLLER. SEE GEORGIA DEPARTMENT OF TRANSPORTATION, STATE OF GEORGIA SPECIAL PROVISION SECTION 687 - TRAFFIC SIGNAL TIMING.
20. UPON THE ISSUANCE OF NOTICE TO PROCEED ANY EXISTING TRAFFIC SIGNAL EQUIPMENT RESPONSIBILITIES FOR MAINTENANCE, OPERATIONS, AND RESPONSE TO TRAFFIC SIGNAL MALFUNCTIONS BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND WILL END WHEN THE DEPARTMENT ACCEPTS THE SIGNAL. PROVISIONS OF SUBSECTION 647.3.07, "CONTRACTOR WARRANT AND MAINTENANCE", APPLY.



REVISION DATES

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PUTNAM COUNTY
BOARD OF COMMISSIONERS
COLLABORATIVE INFRASTRUCTURE SERVICES

SIGNAL PLANS

SR 44 AT SCOTT RD
SIGNAL NOTES

DRAWING No.
27-0000

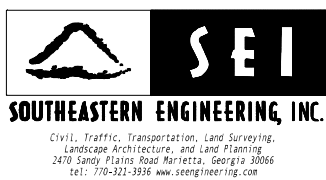
EXISTING SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 4 SECTION HEAD W/BACKPLATE
- 4/5 SECTION (CLUSTER/T-SHAPE) HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP
- PULLBOX, (TYPE TO BE CALLED OUT)
- 6X6 PULSE LOOP
- 6X18 CALL LOOP
- 6X40 PRESENCE LOOP (DIPOLE)
- 6X40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT
- RAILROAD CONTROLLER
- SIGN POST

PROPOSED SIGNAL

- CONTROLLER CABINET
- STRAIN POLE
- TIMBER POLE
- DOWN GUY
- MAST ARM
- STREET LIGHT
- 3 SECTION HEAD
- 3 SECTION HEAD W/ BACKPLATE
- 4 SECTION HEAD
- 4/5 SECTION (CLUSTER/T-SHAPE) HEAD
- OVERHEAD SIGN
- PEDESTAL POLE
- PED SIGNAL HEAD
- CURB CUT RAMP - (SEE ADA DETAIL)
- PULLBOX, (TYPE TO BE CALLED OUT)
- 6x6 PULSE LOOP
- 6x18 CALL LOOP
- 6x40 PRESENCE LOOP (DIPOLE)
- 6x40 PRESENCE LOOP (QUADRUPOLE)
- CONDUIT, (TYPE TO BE CALLED OUT)
- RAILROAD CONTROLLER
- SIGN POST
- RADAR DETECTION DEVICE
- MAGNETOMETER DETECTION DEVICE
- VIDEO DETECTION DEVICE
- VIRTUAL DETECTION ZONE (RADAR, VIDEO, ETC.)

| | | | |
|---|--|-------------------------------|--|
| PROPERTY AND EXISTING R/W LINE | | BEGIN LIMIT OF ACCESS.....BLA | |
| REQUIRED R/W LINE | | END LIMIT OF ACCESS.....ELA | |
| CONSTRUCTION LIMITS | | LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR & MAINTENANCE OF SLOPES | | REQ'D R/W & LIMIT OF ACCESS | |
| EASEMENT FOR CONSTR OF SLOPES | | | |
| EASEMENT FOR CONSTR OF DRIVES | | | |



| REVISION DATES | |
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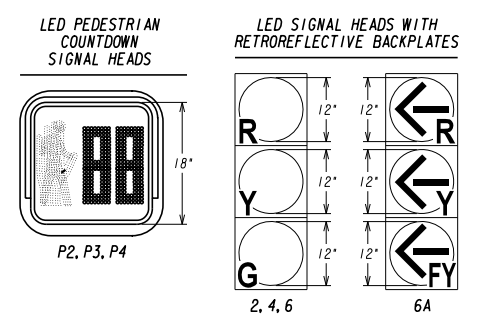
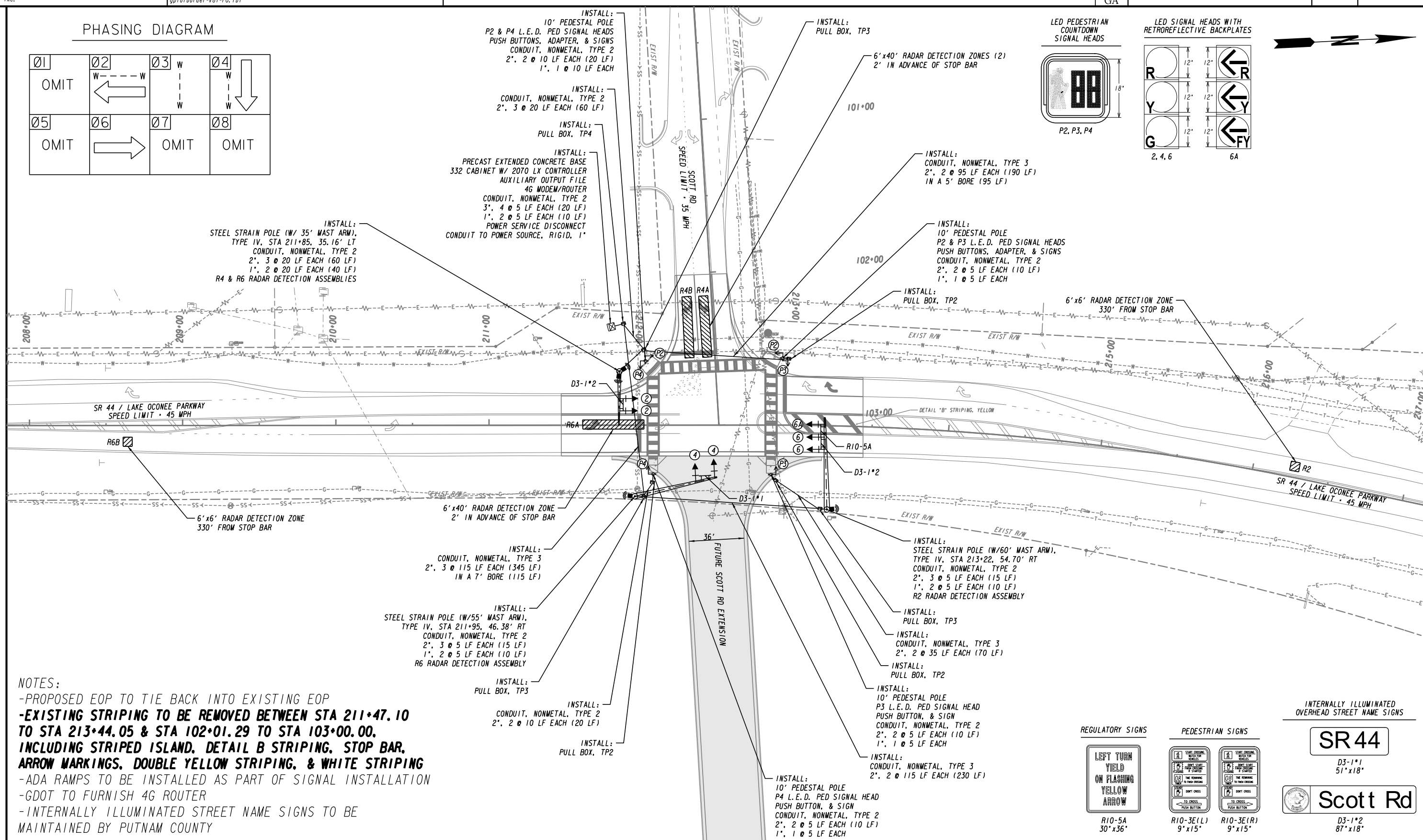
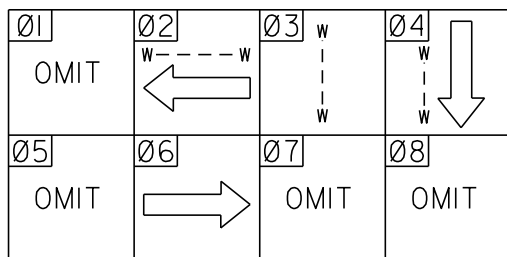
PUTNAM COUNTY
BOARD OF COMMISSIONERS
COLLABORATIVE INFRASTRUCTURE SERVICES

SIGNAL PLANS

SR 44 AT SCOTT RD
SIGNAL LEGEND

DRAWING No.
27-0001

PHASING DIAGRAM



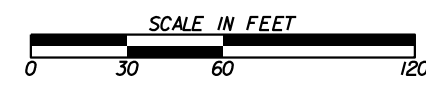
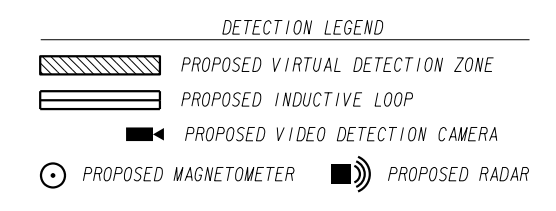
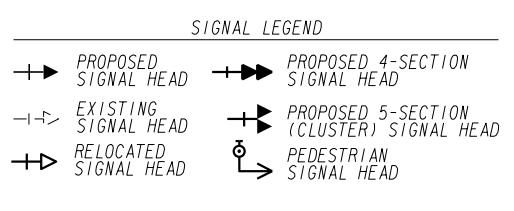
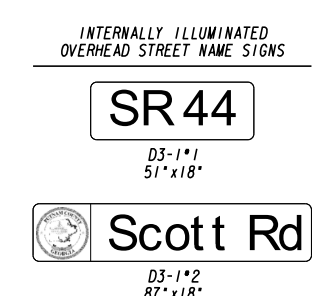
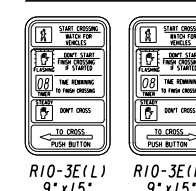
NOTES:

- PROPOSED EOP TO TIE BACK INTO EXISTING EOP
- EXISTING STRIPING TO BE REMOVED BETWEEN STA 211+47.10 TO STA 213+44.05 & STA 102+01.29 TO STA 103+00.00, INCLUDING STRIPED ISLAND, DETAIL B STRIPING, STOP BAR, ARROW MARKINGS, DOUBLE YELLOW STRIPING, & WHITE STRIPING
- ADA RAMPS TO BE INSTALLED AS PART OF SIGNAL INSTALLATION
- GDOT TO FURNISH 4G ROUTER
- INTERNALLY ILLUMINATED STREET NAME SIGNS TO BE MAINTAINED BY PUTNAM COUNTY

REGULATORY SIGNS



PEDESTRIAN SIGNS



REVISION DATES

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| 05-06-21 | | |
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PUTNAM COUNTY BOARD OF COMMISSIONERS
COLLABORATIVE INFRASTRUCTURE SERVICES
SIGNAL PLANS

SR 44 AT SCOTT RD PROPOSED

DRAWING No. 27-0002

INTERSECTION OF SR 44 / LAKE OCONEE PARKWAY & SCOTT ROAD

LIST OF MATERIALS

| MATERIALS | UNIT | QUANTITY |
|--|------|----------|
| CONTROL CABINET ASSEMBLIES | | |
| A. CONTROLLER UNIT, MODEL 2070LX (PREFERRED) | EACH | 1 |
| B. CABINET ASSEMBLY, MODEL 332 (EIGHT PHASE) | EACH | 1 |
| C. SWITCH PACK (LOAD SWITCH) | EACH | 7 |
| D. DC ISOLATOR | EACH | 3 |
| E. 2010 SIGNAL MONITOR, TYPE B (ETHERNET) (PREFERRED) | EACH | 1 |
| F. AUXILIARY OUTPUT FILE | EACH | 1 |
| 332 PREFABRICATED CONTROLLER CABINET BASE | | |
| PC642-200 (OR EQUIVALENT), SURGE PROTECTOR | EACH | 1 |
| LOOP/PEL LEAD-IN WIRE (SHIELDED, TWISTED/1000 FT); 3 PAIR, 18 AWG | REEL | 1 |
| SIGNAL CABLE (14 AWG); 7 CONDUCTOR, PER 1000 FT | REEL | 2 |
| 3-SECTION, 12" SIGNAL HEAD LED "INCANDESCENT LOOK" BLACK HOUSING WITH BLACK FRONT, PLASTIC | EACH | 6 |
| 3-SECTION, 12" SIGNAL HEAD LED "INCANDESCENT LOOK" BLACK HOUSING WITH BLACK FRONT, PLASTIC (RED LEFT ARROW, YELLOW LEFT ARROW, AND FLASHING YELLOW LEFT ARROW) | EACH | 1 |
| BACK PLATE FOR ONE-WAY, 3-SECTION, 12" SIGNAL HEAD, ABS PLASTIC, LOUVERED, BLACK WITH RETROREFLECTIVE STRIP | EACH | 7 |
| BLACK HARDWARE FOR MAST ARM MOUNTING - ASTRO TYPE BRACKETS | EACH | 7 |
| 1-SECTION, 18" LED COUNTDOWN BLACK PEDESTRIAN SIGNAL HEAD, FULL, HAND/MAN OVERLAP, 9" HIGH NUMBERS & 12" SYMBOLS | EACH | 6 |
| BLACK PEDESTRIAN PUSHBUTTON STATIONS ADAPTERS (ONLY) 9"x15", DOUBLE PUSH BUTTON STATION ADAPTER FOR 4" DIA PEDESTRIAN POLE, ADJUSTABLE | EACH | 2 |
| BLACK PEDESTRIAN PUSHBUTTON STATIONS, WITH BUTTONS AND SIGNS, 9"x15", R10-3E, (L)LEFT OR (R)RIGHT, COUNTDOWN | EACH | 6 |
| BLACK HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, ONE-WAY BRACKET ASSEMBLY | EACH | 2 |
| BLACK HARDWARE FOR PEDESTAL POLE, TOP POST MOUNTING, TWO-WAY BRACKET ASSEMBLY | EACH | 2 |
| BLACK PEDESTAL POLE & SQUARE BASE | EACH | 4 |
| PULLBOX, TP2 | EACH | 3 |
| PULLBOX, TP3 | EACH | 3 |
| CONDUIT, NONMETAL, TP2, 1" | LF | 95 |
| CONDUIT, NONMETAL, TP2, 2" | LF | 220 |
| CONDUIT, NONMETAL, TP2, 3" | LF | 20 |
| CONDUIT, NONMETAL, TP3, 2" | LF | 720 |
| R10-5A, LEFT TURN ON FLASHING YELLOW SIGN | EACH | 1 |
| MISCELLANEOUS MATERIALS NEEDED TO COMPLETE INSTALLATIONS | LUMP | LUMP |

332 CABINET INPUT ASSIGNMENT

| | | | | | | | | | | | | | | |
|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|
| SLOT | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|

UPPER INPUT FILE

| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
|------------|----------|---------|----------|---------|---------|----------|---------|---------|----------|-----|-----|-----|---------|---------|--------|
| CHANNEL 1 | CARD | | 2-CH | | | | 2-CH | | | | | | DC 150 | DC 150 | DC 150 |
| | CI PIN | 56 | 39 | 63 | 47 | 58 | 41 | 65 | 49 | 68 | | 88 | 67 | 68 | 81 |
| | FUNCTION | | R2 | | | | R4A | | | | | | Ø2 PED | | FLASH |
| FIELD TERM | TB2 1,2 | TB2 5,6 | TB2 9,10 | TB4 1,2 | TB4 5,6 | TB4 9,10 | TB6 1,2 | TB6 5,6 | TB6 9,10 | | | | TB8 4,6 | TB8 7,9 | N/C |

| | CI PIN | 56 | 43 | 76 | 47 | 58 | 45 | 78 | 49 | 62 | | 53 | 69 | 70 | 82 |
|-----------|------------|---------|---------|-----------|---------|---------|-----------|---------|---------|-----------|--|----|---------|---------|-----------|
| CHANNEL 2 | FUNCTION | | | | | | R4B | | | | | | Ø4 PED | Ø3 PED | STOP TIME |
| | FIELD TERM | TB2 3,4 | TB2 7,8 | TB2 11,12 | TB4 3,4 | TB4 7,8 | TB4 11,12 | TB6 3,4 | TB6 7,8 | TB6 11,12 | | | TB8 5,6 | TB8 8,9 | N/C |

LOWER INPUT FILE

| | TYPE | DET | DET | DET | DET | DET | DET | DET | DET | DET | TBA | TBA | DC | DC | DC |
|------------|----------|---------|----------|---------|---------|----------|---------|---------|----------|-----|-----|-----|---------|---------|-----------|
| CHANNEL 1 | CARD | | 2-CH | | | | | | | | | | | | |
| | CI PIN | 55 | 40 | 64 | 48 | 57 | 42 | 66 | 50 | 59 | | 54 | 71 | 72 | 51 |
| | FUNCTION | | R6A | | | | | | | | | | | | |
| FIELD TERM | TB3 1,2 | TB3 5,6 | TB3 9,10 | TB5 1,2 | TB5 5,6 | TB5 9,10 | TB7 1,2 | TB7 5,6 | TB7 9,10 | | | | TB9 4,6 | TB9 7,9 | TB9 10,12 |

| | CI PIN | 55 | 44 | 77 | 48 | 57 | 46 | 79 | 50 | 61 | | 75 | 73 | 74 | 52 |
|-----------|------------|---------|---------|-----------|---------|---------|-----------|---------|---------|-----------|--|----|---------|---------|-----------|
| CHANNEL 2 | FUNCTION | | R6B | | | | | | | | | | | | |
| | FIELD TERM | TB3 3,4 | TB3 7,8 | TB3 11,12 | TB5 3,4 | TB5 7,8 | TB5 11,12 | TB7 3,4 | TB7 7,8 | TB7 11,12 | | | TB9 5,6 | TB9 8,9 | TB9 11,12 |

ROADWAY PAY ITEMS

| PAY ITEM NO. | ITEM DESCRIPTION | UNIT | QUANTITY |
|--------------|--|------|----------|
| 150-1000 | TRAFFIC CONTROL | LUMP | LUMP |
| 205-0100 | CONSTRUCTION ALLOWANCE | LUMP | LUMP |
| 210-0100 | GRADING COMPLETE | LUMP | LUMP |
| 310-5060 | GR AGGR BASE CRS, 6 INCH, INCL MATL | SY | 30 |
| 441-7011 | CURB CUT WHEELCHAIR RAMP, TYPE A | EACH | 2 |
| 441-7012 | CURB CUT WHEELCHAIR RAMP, TYPE B | EACH | 2 |
| 500-9999 | CLASS B CONC, BASE OR PVMT WIDENING - BLACK TINT | CY | 7 |
| 610-9001 | REMOVE SIGN | EACH | 2 |
| 653-0120 | THERMOPLASTIC PVMT MARKING, ARROW, TP 2 | EACH | 4 |
| 653-1501 | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, WHITE | LF | 563 |
| 653-1502 | THERMOPLASTIC SOLID TRAF STRIPE, 5 IN, YELLOW | LF | 419 |
| 653-1704 | THERMOPLASTIC SOLID TRAF STRIPE, 24 IN, WHITE | LF | 80 |
| 653-1804 | THERMOPLASTIC SOLID TRAF STRIPE, 8 IN, WHITE | LF | 743 |
| 653-6006 | THERMOPLASTIC TRAF STRIPING, YELLOW | SY | 50 |
| 656-0050 | REMOVE EXIST SOLID TRAF STRIPE, 5 IN, THERMOPLASTIC | LF | 1231 |
| 656-0080 | REMOVE EXIST SOLID TRAF STRIPE, 8 IN, THERMOPLASTIC | LF | 90 |
| 656-0120 | REMOVE EXIST SOLID TRAF STRIPE, 12 IN, THERMOPLASTIC | LF | 154 |
| 656-0240 | REMOVE EXIST SOLID TRAF STRIPE, 24 IN, THERMOPLASTIC | LF | 80 |
| 656-5000 | REMOVE EXIST TRAF MARKINGS | EACH | 4 |

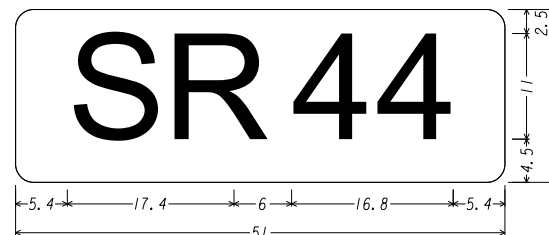
TRAFFIC SIGNAL PAY ITEMS

| PAY ITEM NO. | ITEM DESCRIPTION | UNIT | QUANTITY |
|--------------|--|------|----------|
| 639-3004 | STEEL STRAIN POLE, TYPE IV (W/ 35' MAST ARM) [BLACK POWDER COATED] | EACH | 1 |
| 639-3004 | STEEL STRAIN POLE, TYPE IV (W/ 55' MAST ARM) [BLACK POWDER COATED] | EACH | 1 |
| 639-3004 | STEEL STRAIN POLE, TYPE IV (W/ 60' MAST ARM) [BLACK POWDER COATED] | EACH | 1 |
| 647-1000 | TRAFFIC SIGNAL INSTALLATION #1 | LUMP | LUMP |
| 647-2140 | FULL BOX, PB-4 | EACH | 1 |
| 647-3000 | INTERNALLY ILLUMINATED STREET SIGN (SINGLE-SIDED) | EACH | 3 |
| 647-3100 | INTERNALLY ILLUMINATED STREET NAME SIGN CONTROL ASSEMBLY | EACH | 1 |
| 682-9950 | DIRECTIONAL BORE, 5" | LF | 95 |
| 682-9950 | DIRECTIONAL BORE, 7" | LF | 115 |
| 687-1000 | TRAFFIC SIGNAL TIMING | LUMP | LUMP |
| 937-6000 | MICROWAVE RADAR DETECTION ASSEMBLY | EACH | 4 |
| 937-8020 | TESTING - MICROWAVE DETECTION SYSTEM | LUMP | LUMP |
| 937-8520 | TRAINING - MICROWAVE DETECTION SYSTEM | LUMP | LUMP |

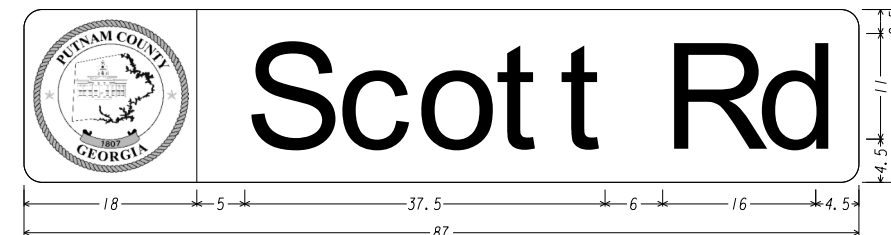
NOTES

QUANTITIES ARE FOR INFORMATION PURPOSES ONLY - CONTRACTOR TO FIELD VERIFY PRIOR TO ORDERING MATERIALS.

INTERNALLY ILLUMINATED OVERHEAD STREET NAME SIGNS



Identifier : D3-1 *1;
1.875" Radius, 0.0" Border, White on Green;
SR D; *44* D;



Identifier : D3-1 *2;
1.875" Radius, 0.0" Border, White on Green; 16" Logo on White;
Scott D; *Rd* D;



REVISION DATES

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| 05-06-21 | | |
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PUTNAM COUNTY BOARD OF COMMISSIONERS
COLLABORATIVE INFRASTRUCTURE SERVICES
SIGNAL PLANS

SR 44 AT SCOTT RD
LIST OF MATERIALS

DRAWING No.
27-0003