2

TRAFFIC SIGNAL GENERAL NOTES:

1. THE COMPLETE SIGNAL INSTALLATION SHALL CONFORM TO ALL APPROPRIATE PARTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES CURRENT EDITION. ALSO, SHALL CONFORM TO ALL GADOT SPECIFICATIONS AND CONSTRUCTION DETAILS INCLUDING SUBSEQUENT PUBLISHED RULINGS.
2. PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE DISTRICT SIGNAL ENGINEER.
3. MATERIAL CERTIFICATION IS REQUIRED PRIOR TO BEGINNING ANY SIGNAL INSTALLATION WORK. THE CONTRACTOR SHALL FOLLOW PROCEDURES OUTLINED IN THE SPECIFICATION.
4. 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.
5. SIGNAL HEADS FOR MULTI LANES SHALL BE ALIGNED CENTER OF LANE AND ALIGNED WITH THE RECEIVING LANES. FOR SINGLE LANES SHALL BE ALIGNED WITH THE LEFT THROUGH HEAD TWO FOOT TO THE RIGHT FROM CENTER LINE AND ALIGNED WITH THE RECEIVING LANES.
6. SHIELDED CABLE WILL BE USED FOR DETECTOR RUNS AS SHOWN ON THE DETAIL SHEET. DETECTORS SHALL HAVE SEPARATE LEAD-INS TO THE CONTROL CABINET.
7. THE CONTRACTOR SHALL LOCATE UNDERGROUND UTILITIES IN VICINITY OF NEW TRAFFIC SIGNAL POLES BEFORE INSTALLATION. MINOR SHIFTS (UP TO MAXIMUM OF 5 FEET) IN LOCATION OF NEW SIGNAL POLES. AT THE DISCRETION OF THE ENGINEER, ARE ACCEPTABLE TO AVOID UNDERGROUND UTILITIES MINIMUM CLEARANCE FROM EDGE OF PAVEMENT SHALL BE MAINTAINED.
8. THE CONTRACTOR SHALL MAINTAIN EXISTING TRAFFIC SIGNALS WEATHER PART OF THE SCOPE OF WORK OR NOT, FROM NOTICE TO PROCEED (NTP) TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC SIGNAL AND/OR CONTROL SYSTEM ADJUSTMENTS, INCLUDING TEMPORARY SUPPORT POLE LOACTION(S) REQUIRED BY THE PROJECT DURING THE INTERIM PERIOD THROUGH INSTALLATION OF NEW SIGNAL EQUIPMENT. AT NO TIME SHALL THE CONTRACTOR CAUSE ANY PART OF THE SIGNAL OPERATION TO BE INOPERABLE THIS IS TO INCLUDE DETECTION.
9. INSTALLATION IS TO BE CHECKED AND ACCEPTED BY THE DISTRICT TRAFFIC ENGINEER PRIOR TO FINAL ACCEPTANCE.
10. FOR STRAIN POLE FOUNDATION SIZE AND REINFORCEMENT, SEE STRAIN POLE AND MAST ARM POLE FOUNDATION SHEET.
11. ALL EXISTING STOP BARS AND CROSSWALKS THAT ARE NOT REMOVED OR RELOCATED SHALL BE IN ACCORDANCE WITH CURRENT DOT STANDARDS, STOP BARS AND CROSSWALKS SHALL BE THERMOPLASTIC THE STOP BAR SHALL BE 24" WHITE.
12. PROPOSED SIGNAL SUPPORT WIRE ATTACHMENT HEIGHTS ON POLES ARE PROVIDED AS GENERAL GUIDELINES TO INSTALLER. ACTUAL ATTACHMENT HEIGHTS SHALL BE FIELD DETERMINED BY INSTALLER TO PROVIDE REQUIRED SIGNAL HEAD MOUNTING HEIGHTS AND CLEARANCE FROM EXISTING UTILITIES.
13. DURING CONSTRUCTION AT NO TIME SHALL TWO SEPARATE TRAFFIC SIGNALS BE ATTACHED TO THE SAME SIGNAL POLE UNLESS APPROVED BY THE BRIDGE DEPARTMENT.
14. ALL JOINT USE POLE SIGNAL SPAN CONNECTIONS SHALL USE SPAN WIRE COLLARS OR CHAIN LINK ASSEMBLIES EXCEEDING 12000 LBS.
15. THE CONTRACTOR WILL BE RESPONSIBLE FOR ALL NEW GUYS ON EXISTING UTILITY TIMBER POLES WHEN ATTACHING INTERCONNECT CABLE OR MESSENGER CABLE TO THE POLES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
16. WHEN REMOVED EXISTING EQUIPMENT SHALL BE DELIVERED BY THE CONTRACTOR TO THE DEPARTMENT OF TRANSPORTATION OFFICE OF TRAFFIC OPERATIONS DISTRICT SIGNAL SHOP. ANY MISSING EQUIPMENT LOST DAMAGED OR STOLEN SHALL BE REPLACED IN LIKE AND KIND AT NO SEPARATE CHARGE TO THE DEPARTMENT CONTACT THE DISTRICT SIGNAL SHOP 24 HOURS PRIOR TO DELIVERY.

SIGNAL LEGEND

- TRAFFIC SIGNAL HEADS WITH BACK PLATE
- TRAFFIC SIGNAL HEADS WITH OUT BACK PLATE
- TYPE IV STRAIN POLE
- PROPOSED PEDESTAL POLE, PEDESTRIAN SIGNAL HEAD, BUTTON AND SIGN
- PULL BOX
- CONTROLLER CABINET
- QUADRUPOLE VIDEO PRESENCE DETECTOR LOOP
- VIDEO PULSE DETECTOR LOOP
- VIDEO DETECTION CAMERA
- QUADRUPOLE PRESENCE DETECTOR LOOP
- PULSE DETECTOR LOOP
- CONDUIT
- DIRECTIONAL BORE

NOTE: ALL EXISTING COMMUNICATIONS EQUIPMENT IS SHOWN SHADED

A&R SIGNAL NOTES

- ***ALL SIGNAL EQUIPMENT SHALL BE PLACED WITHIN THE RIGHT-OF-WAY***. CONTRACTOR SHALL HAVE RIGHT-OF-WAY STAKED PRIOR TO INSTALLING SIGNAL EQUIPMENT.
- ALL SIGNAL POLES SHALL BE LOCATED AT LEAST 10 (TEN) FEET AWAY FROM ALL OVERHEAD POWER LINES.
- DUE TO GRADE DIFFERENCES, CONTRACTOR SHALL ***COMPLETE A SITE VISIT*** TO VERIFY ALL SIGNAL POLES HEIGHTS PRIOR TO ORDERING.
- PROPOSED MAST ARM SIGNS TO BE INCLUDED IN SIGNAL CONTRACTORS BID, FURNISHED AND INSTALLED BY SIGNAL CONTRACTOR.
- ***UTILITIES SHOWN ARE FOR THE CONTRACTOR'S CONVENIENCE ONLY.*** THERE MAY BE OTHER UTILITIES NOT SHOWN ON THESE PLANS. ALL DAMAGE MADE TO EXISTING UTILITIES BY THE CONTRACTOR SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR TO CONTACT THE ENGINEER IF CONFLICTS ARISE BETWEEN UTILITIES LOCATED IN THE FIELD AND INFORMATION SHOWN ON THESE PLANS.
- THE CONTRACTOR SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE REQUIREMENTS OF APPLICABLE REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) AND ALL LOCAL, STATE, AND FEDERAL RULES AND REGULATIONS.
- THE CONTRACTOR SHALL CONDUCT ALL WORK IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NFPA 30) AND ALL LOCAL AND STATE AMENDMENTS, IF ANY. CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO CONTINUING WORK IF ANY CONFLICTS ARISE BETWEEN THESE PLANS AND APPLICABLE CODES.
- THE LIST OF MATERIALS SHOWN ON THIS SHEET SHALL BE VERIFIED BY THE CONTRACTOR PRIOR TO BIDDING AND ADJUSTED AS NECESSARY THE DESIGN.

List of Materials		
Item	Unit	Quantity
Controller Cabinet Assemblies		
M. Auxilary Output File	EA	1
Loop / Ped Detector Lead-in Wire (Shielded, Twisted / 1000ft), 3 Pair, 18-2 AWG	Reel	3
Signal Cable (Shielded, Twisted / 1000ft), 7 Conductor	Reel	1
Signal Cable (Shielded, Twisted / 1000ft), 10 Conductor	Reel	1
Loop Detector Wire (14 AWG, Stranded / 1000ft)	Reel	2
3-Section, 12" LED Signal Head, Yellow Housing w/ Black Front, Plastic	EA	5
Plastic Louvered Backplate for 3 Sect, 12" Signal Head, w/ Retrorefelctive Border	EA	5
4-Section, 12" LED Signal Head, Yellow Housing w/ Black Front, Plastic	EA	1
Plastic Louvered Backplate for 4 Sect, 12" Signal Head, w/ Retrorefelctive Border	EA	1
One Way, 1 Section, 18" LED Countdown Pedestrian Signal Head, Full Hand / Man Overlap, Countdown Spec, 9" High Numbers & 12" Symbols, Yellow	EA	8
Pedestrian Push Button & Sign	EA	8
Hardware for Span Wire Erection	EA	6
Hardware for Pedestal Pole, Top Post Mounting, One Way Mounting	EA	2
Hardware for Pedestal Pole, Top Post Mounting, Two Way Mounting	EA	3
Pull Box, Type 2	EA	8
Pull Box, Type 3	EA	2
Pedestal Pole, 10 ft, and Base	EA	4
Conduit, Type 2, 1" PVC	LF	50
Conduit, Type 2, 2" PVC	LF	475
Conduit, Type 3, 2" HDPE	LF	100
Loop Saw Cut	LF	610
Directional Bore	LF	100
Strain Pole Type IV (Steel or Concrete)	EA	2
Misc. Material to Complete Signal Installation	Lump	Lump

SHEET NO.	TOTAL SHEETS
113	173

Pegasus Pkwy Road Extension
Signal Modification
Pegasus Pkwy / Whitesville Rd (SR219)

PREPARED FOR
AECOM
50 Wyman Street Ring Circle
Roswell, GA 30075

GEORGIA REGISTERED No. 22518 PROFESSIONAL ENGINEER KAREEM AMIN
3/28/16

SIGNAL NOTES

A&R Engineering Inc.
2160 Kingston Court, Suite O
Marietta, GA 30067
Tel: (770) 690-9255 Fax: (770) 690-9210
www.areng.com

DATE	11-06-15

REVISIONS

NO.	DATE
1	12-11-15
2	3-28-16

DRAWN BY:	CHECKED BY:
JDE	CAO

PROJECT NO: 15-061

PLAN SET: **REV 1**

SHEET 27-003

M:\2014\OBS\14-3667 Pegasus Parkway-LaGrange Gu\14-3667 Pegasus Parkway-D01.dwg, 3/29/2016 5:07:14 PM, est, 1:1