



City of Lynchburg
Procurement Division
900 Church Street
Lynchburg, Virginia 24504
Telephone No.: (434) 455-3970
Fax No.: (434) 845-0711

**Addendum for Bid
Oak Lane at Rivermont Traffic Signalization**

Date: February 25, 2013

RE: Addendum **No. 1**

From: *Florence Randolph, Purchasing Technician*

Bid No.: 13-828

NOTE: This addendum must be signed and returned with the original package.

Instructions to the Bidders: This addendum forms a part of the bidding documents. Acknowledge receipt of this addendum in the space provided on the bid form. Failure to do so may subject the bidder to disqualification.

See page PM23, section 5, request for clarification of written response at least seven (7) days prior to date fixed for opening of bids.

CORRECTION - Please change the written response on the Advertisement for Bid and PM22 page to (7) days prior to the bid opening --- not (5) days

The following are responses to comments received concerning this plan set. Attached are revised plans per the comment responses regards to the above solicitation; please amend the bid as follows.

Rivermont Avenue & Oak Lane - Revised Drawings – See attachments

1. Change electric service from SE-5 pedestal mount to SE-3 mast pole mount.
 - Changed the electric service from SE-5 to mast pole mount SE-3.
2. Need a system ground installed.
 - Ground rods in all j-boxes and #8 conductor bond wire from ground rod to ground rod.
Added the #8 conductor bond wire to conductor schedule and quantities.
3. Each ped push buttons needs its own individual 14 gauge 2-C cables. These 2-C cables need to be reflected in the conductor schedule.
 - Revised the 5C for the push button and head to a separate cable for each push buttons and heads (2C and 3C) in the conductor schedule and updated the quantities.
4. Video cable should be shown as cat-5 for Aldis camera system, and should be shown run in conduit runs 5 and 6 not run 8.
 - Revised the Conductor schedule.
5. Asterisk note on conductor schedule should read “** = per Aldis specifications”.
 - Updated the note.
6. What is to be done with the old mast pole foundation on the north side of rivermont ave. near new mast pole A? Will the contractor remove it?
 - Added a note for the contractor to remove foundation to 2' below grade, and added a pay item to the quantities sheet.
7. See construction note 5. Ped signals are mounted on their own poles not on the mast arm poles.
 - Revised note.
8. See construction note 9. All new conductors should be used. Using existing conduit is OK.
 - Revised note

READ TERMS AND CONDITIONS AND SIGN

In compliance with the above Invitation for Bid, and subject to all the conditions hereof, the undersigned offers and agrees to comply with any or all of the terms and conditions contained herein, or as mutually agreed upon by subsequent negotiations. **This form shall become part of the final file.**

Company Name: _____

Address: _____

Date: _____

Authorized Signature: _____

Title: _____

Print Name: _____

Telephone #: _____ Fax #: _____

SIGNAL LEGEND

- △ CONDUIT
- NOTES
- ⊗ SIGNAL POLE IDENTIFIER
- ⊕ (S-1) PROPOSED MAST ARM MOUNTED SIGNS
- ⊕ PROPOSED CONTROLLER CABINET
- ⊕ EXISTING CONDUIT
- ⊕ PROPOSED SIGNAL HEAD
- ⊕ PROPOSED MAST ARM AND FOUNDATION
- ⊕ PEDESTRIAN SIGNAL HEAD
- ⊕ PROPOSED EMERGENCY VEHICLE PRE-EMPTION DEVICE
- ⊕ PROPOSED VIDEO DETECTION CAMERA DETECTION ZONE

CONSTRUCTION NOTES:

- 1 MULTIPLE CONFLICTS BETWEEN PROPOSED CONDUITS AND EXISTING UTILITIES MAY EXIST. CONTACT "MISS UTILITY" PRIOR TO EXCAVATION.
- 2 TOP OF POLE FOUNDATION ELEVATION SHALL BE FLUSH WITH THE ADJACENT SIDEWALK.
- 3 TRAFFIC SIGNAL HEADS, VISORS, LUMINAIRES AND HOUSINGS SHALL BE SEMI-GLOSS BLACK. ALL SIGNAL HEADS SHALL BE BACKPLATES AND INSIDE OF VISORS SHALL BE SEMI-GLOSS BLACK. ALL SIGNAL HEADS SHALL BE POLYCARBONATE & HAVE POLYCARBONATE BACKPLATES.
- 4 THE (S-3) SIGN SHALL BE POLE MOUNTED ADJACENT TO PEDESTRIAN DETECTOR. THE CONTRACTOR SHALL COORDINATE WITH THE CITY'S TRAFFIC STAFF FOR ORIENTATION OF THE SIGN ON THE POLE.
- 5 PEDESTRIAN POLES SHALL INCLUDE VDOT STANDARD PA-2 WITH SP-4, MODIFIED FOR COUNTDOWN HEADS.
- 6 REFRESH ALL PAVEMENT MARKINGS 150' FROM INTERSECTION.
- 7 CAMERA LOCATION FOR VIDEO DETECTION SHALL BE DECIDED AND DRILLED IN THE FIELD.
- 8 PEDESTRIAN POLE FOUNDATION AT POLES (C) AND EXISTING POLE FOUNDATION AT (D) SHALL BE REUSED. CONTRACTOR SHALL ORDER NEW POLE BASE/POLE ASSEMBLY TO BE CONSISTANT WITH THE EXISTING BOLT PATTERN IN THE EXISTING FOUNDATIONS.
- 9 EXISTING CONDUITS AND JBOXES SHALL BE UTILIZED EXCEPT WHERE NEW CONDUIT IS SHOWN. EXISTING CONDUITS SHALL BE REMOVED AND REPLACED WITH NEW CONDUITS PER THIS PLAN.
- 10 POLE FOUNDATION CONFLICTS WITH EXISTING CONDUIT RUNS. CONTRACTOR SHALL SPLICE INTO EXISTING CONDUITS AND ROUTE TO AROUND FOUNDATION.
- 11 EXISTING POWER SERVICE DROP TO BE CHANGED TO SE-3, METER TO BE MOUNTED ON MAST ARM POLE.
- 12 THE CITY WILL PROVIDE NEW SIGNAL TIMINGS TO THE CONTRACTOR.
- 13 EXISTING SIGNAL POLE IN SOUTHEAST CORNER SHALL BE REMOVED.
- 14 THE PROPOSED FOUNDATION FOR POLE SHALL NOT COME INTO CONTACT WITH EXISTING WATER LINES ON EITHER SIDE OF IT. DUE TO THE CLEARANCE BETWEEN THE WATER LINES IT MIGHT BE NECESSARY TO USE A 36" DIAMETER FOUNDATION. THIS SHOULD BE DETERMINED IN THE FIELD PRIOR TO FOUNDATION DESIGN.
- 15 POWER SERVICE DROP CAN BE VIA EXISTING VERZON POLE THAT IS ADJACENT TO THE EXISTING SIGNAL POLE IN THE SOUTHEAST CORNER. CONTRACTOR SHALL RUN CONDUIT AND WEATHERHEAD UP THE VERZON POLE FOR USE BY AEP.
- 16 THE ELEVATIONS OF EXISTING OVERHEAD LINES ARE APPROXIMATELY: 19.4' AT PROPOSED POLE (A) AND 19.2' AT PROPOSED POLE (E).
- 17 CONTRACTOR SHALL ADD SYSTEM GROUNDING AT EACH PULL BOX. THIS SHALL INCLUDE GROUND RODS AND #8 CONDUCTOR BOND WIRE FROM GROUND ROD TO GROUND ROD.

NO.	STANDARD TYPE	POLE HEIGHT	MASTAR M LENGTH	POLE SCHEDULE					EVP	TRAFFIC SIGN MOUNTING	POLE LOCATION		
				SIGNAL MOUNTING	CAMERA DISTANCE FROM POLE	TRAFFIC SIGN MOUNTING	POLE LOCATION	POLE LOCATION					
A	MP-1 ARM 1	20'	35'	17'	29'	-	-	33'	-	-	A*	B*	
B	ARM 2	25'	8'	16.5'	-	-	-	21.5'	5'	13.0'	-	-	
C	PA-2	10'	N/A	-	-	-	-	-	-	-	5.2'	-	
D	PA-2	10'	N/A	-	-	-	-	-	-	-	4.6'	10'	
E	MP-1	20'	30'	19.5'	28'	-	-	-	-	15.5'	7.0'	11'	
												8.3'	28.8'

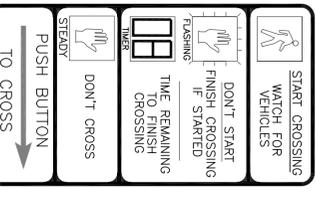
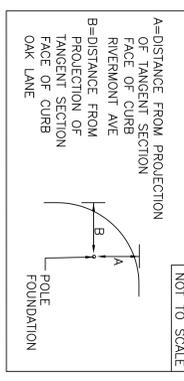
(MP-1) = VDOT STANDARD MAST ARM POLE
* SEE POLE LOCATION DETAIL

CONDUCTOR SCHEDULE

CONDUIT SIZE	RUN NO.									
	1	2	3	4	5	6	7	8	9	10
#6 2C	P	P	E	E	E	E	P	P	-	-
#14 3C PED HEAD	3	1	2	2	-	3	1	-	-	-
7C	-	-	-	-	-	3	3	-	-	-
POWER/AUDIO CABLE**	-	-	-	-	-	1	1	-	-	-
EVP CABLE	-	-	-	-	-	2	2	-	-	-

(E) = EXISTING
(P) = PVC (SCHEDULE 40)
EVP = EMERGENCY VEHICLE PRE-EMPTION CABLE
** = PER ALDIS SPECIFICATIONS

POLE LOCATION DETAIL



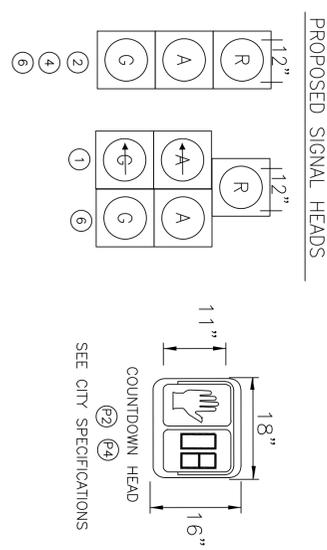
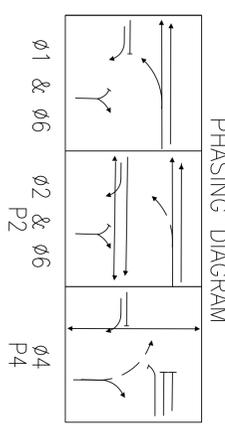
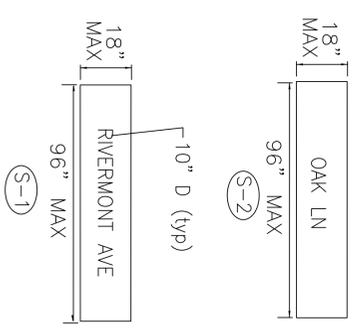
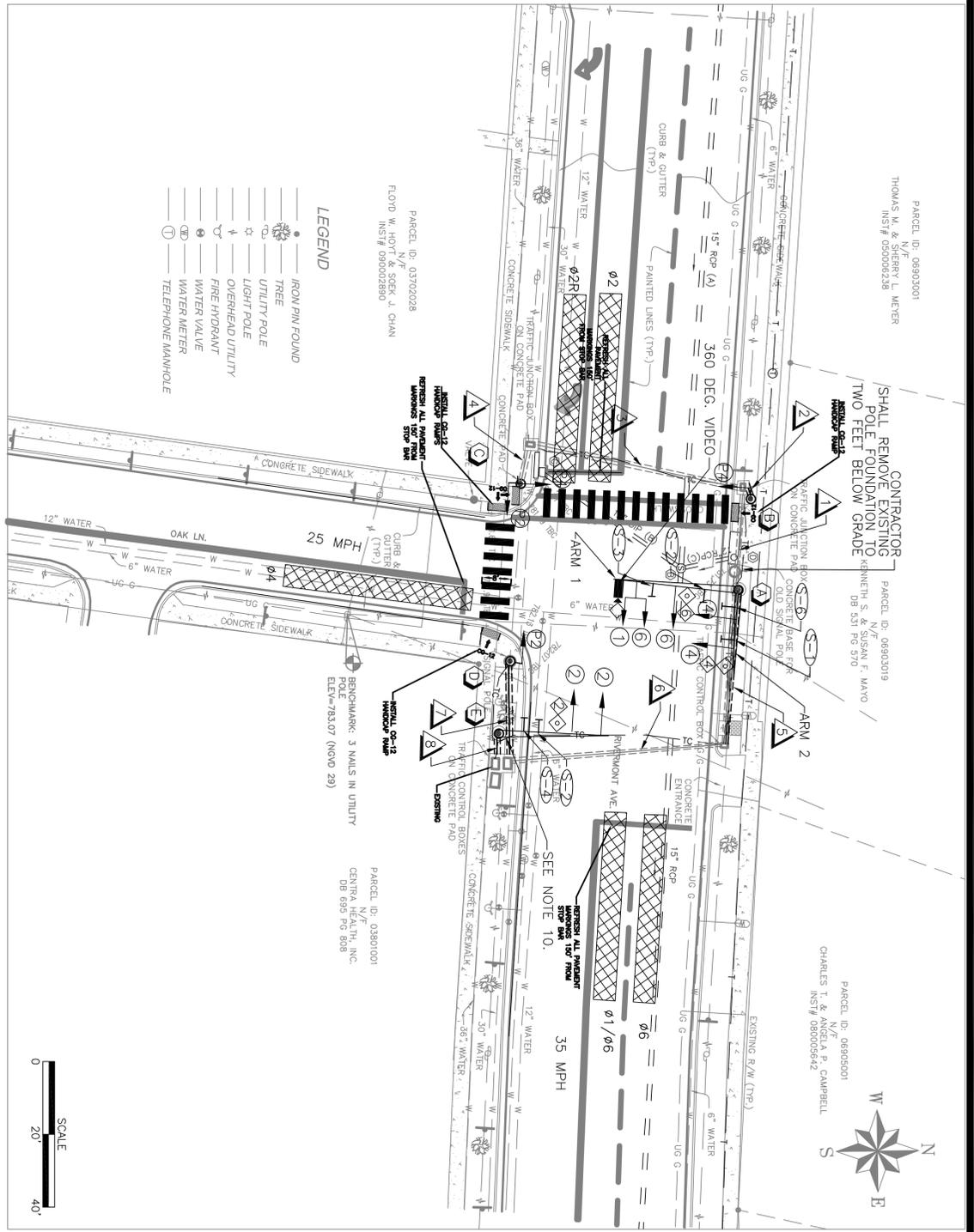
(S-5) R10-12
R10-3E
9"X12"
1 REQUIRED
SEE NOTE 5

(S-3) R10-12
24"X30"
1 REQUIRED

(S-4) R10-15R
30"X30"
1 REQUIRED

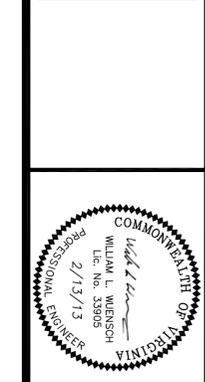
DETECTOR NOTES:

Ø2R SHALL HAVE A 10S DELAY



NO.	DESCRIPTION	DATE	APP
1	CHANGED SERVICE FROM SE-5 TO SE-3 MAST POLE MOUNT.	2/23/23	
2	CHANGED ** NOTE TO ALDIS SPECIFICATIONS.	2/23/23	
3	ADDED CONSTRUCTION NOTE 17	2/23/23	
4	REUSED NOTE 5 AND NOTE 9.	2/23/23	

CONTRACTOR SHALL CONTACT MISS UTILITY @ 1-800-552-7001 FOR LOCATION OF ALL UTILITIES. SIGN SHALL BE INSTALLED PRIOR TO BEGINNING CONSTRUCTION.



EPR & P.C.
ENGINEERING & PLANNING RESOURCES
Civil, Stormwater, Traffic, Transportation
607 BERKMAN CIRCLE
22901 • (434) 202-5082

JOB NO.:	12-040
DATE:	1-28-2013
SCALE:	AS SHOWN
DRAWN BY:	LLW
DESIGNED BY:	MLW
CHECKED BY:	MLW

SIGNAL DESIGN PLAN
FOR OAK LANE AT RIVERMONT AVENUE
LYNCHBURG, VIRGINIA

INTERSECTION PLAN SHEET