

**SOUTH KING STREET WIDENING PHASE II  
(MASONS LN. TO GREENWAY DR.)  
IFB No. 13301-FY15-20  
Addendum #1  
April 28, 2015**

**1. Questions and Answers:**

Question 1: We have downloaded plans for the subject project from Bid Board. Sheet Index indicates Sheets T-1, T-2-T-2C & T-3 “Traffic Signal Plan” however, the set only contains Sheets T-1 & T-3. Could you please advise us to the status of Sheets T-2 – T-2C?

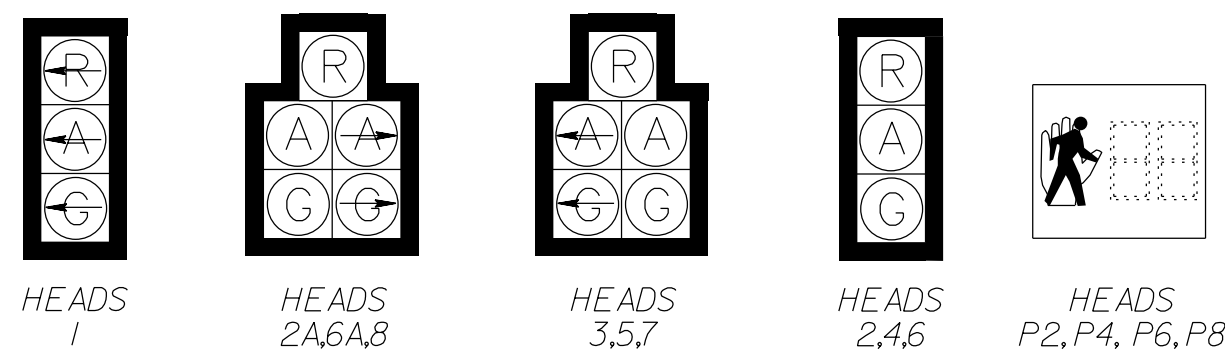
**Answer 1: Traffic signal plan sheets were inadvertently left out of the bid plan set. Sheets T-2, T-2A, T-2B, and T-2C have been attached to this addendum as Attachment A.**

**END OF ADDENDUM #1**

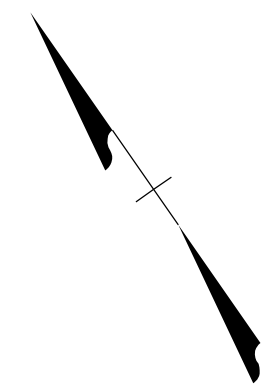
# **ATTACHMENT 'A'**



PROPOSED SIGNALS



ALL TRAFFIC SIGNALS SHALL BE EQUIPPED WITH POLYCARBONATE BACKPLATES.

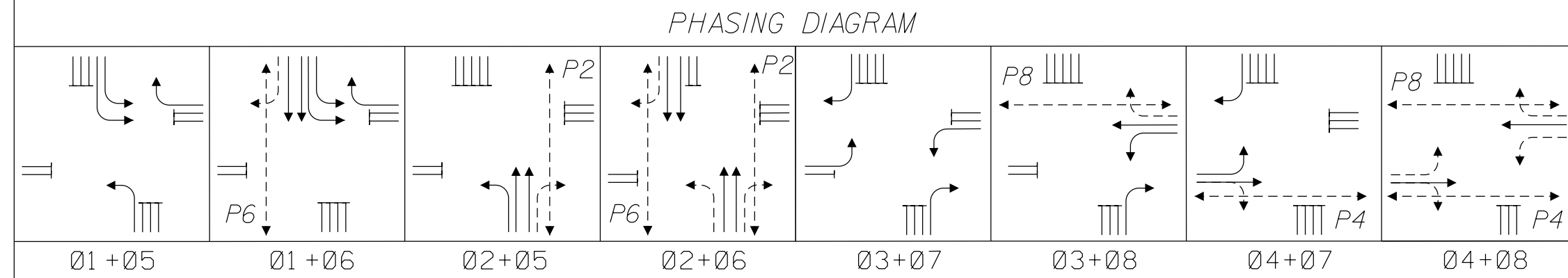
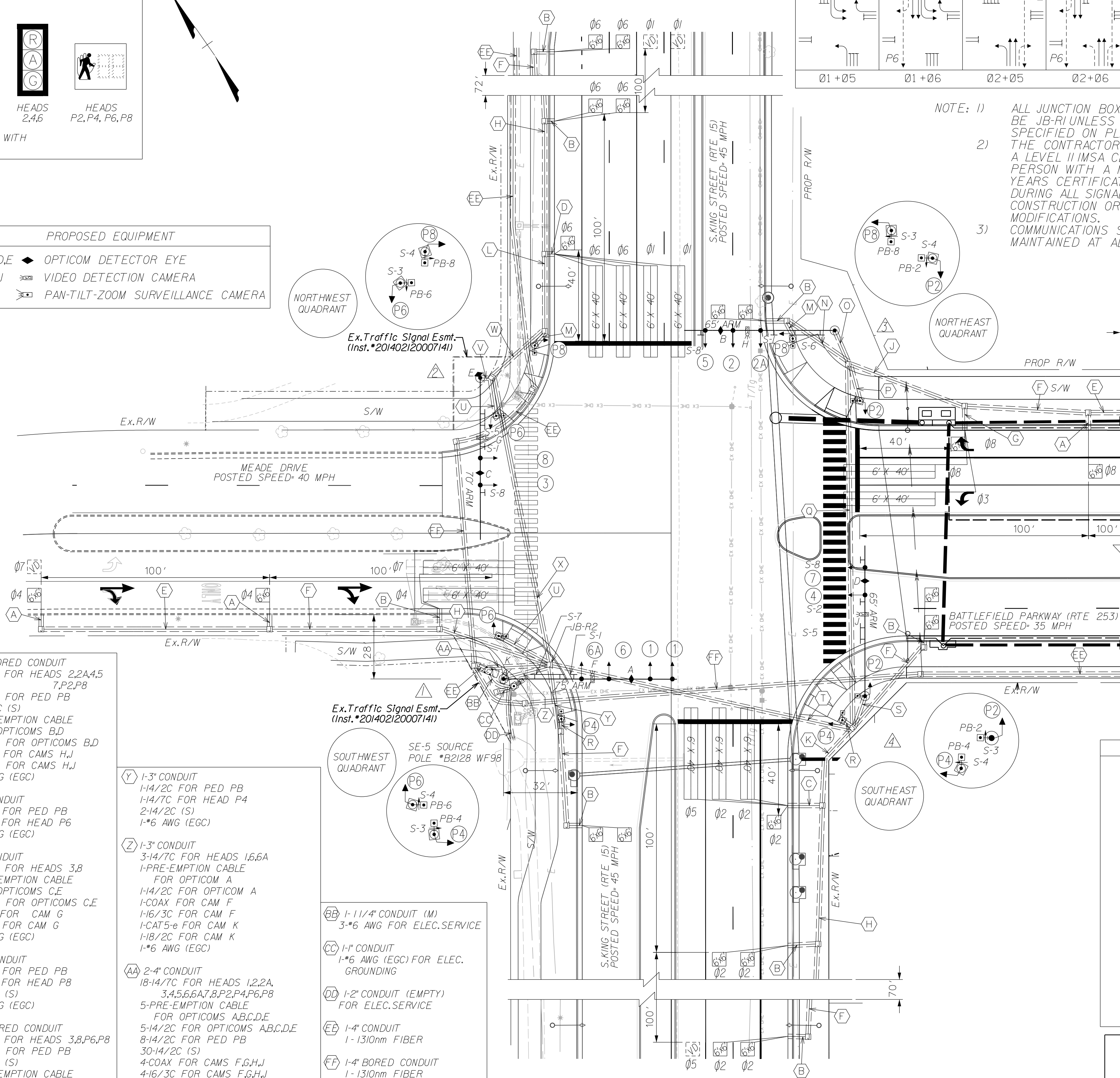


CONDUIT & CABLE RUNS

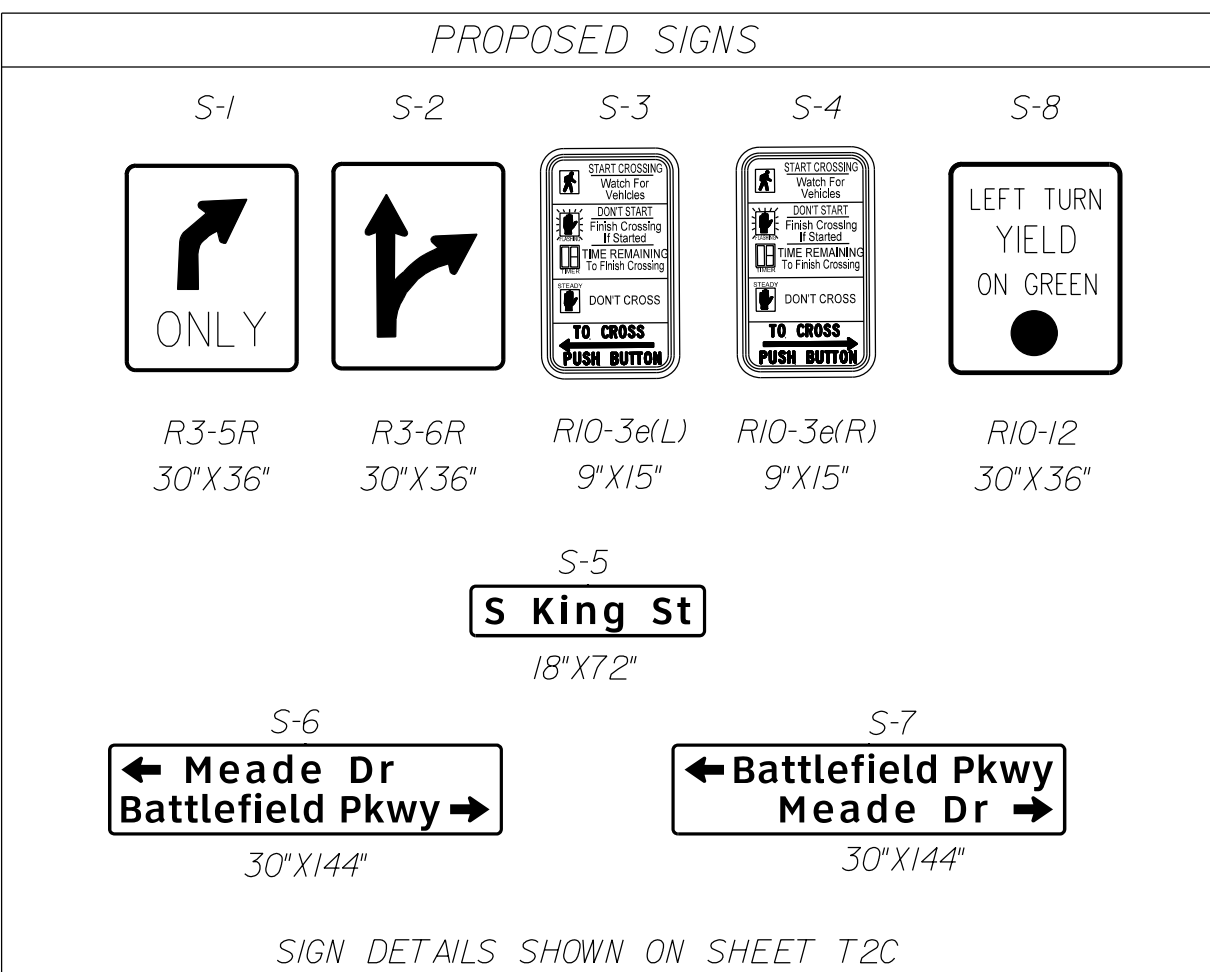
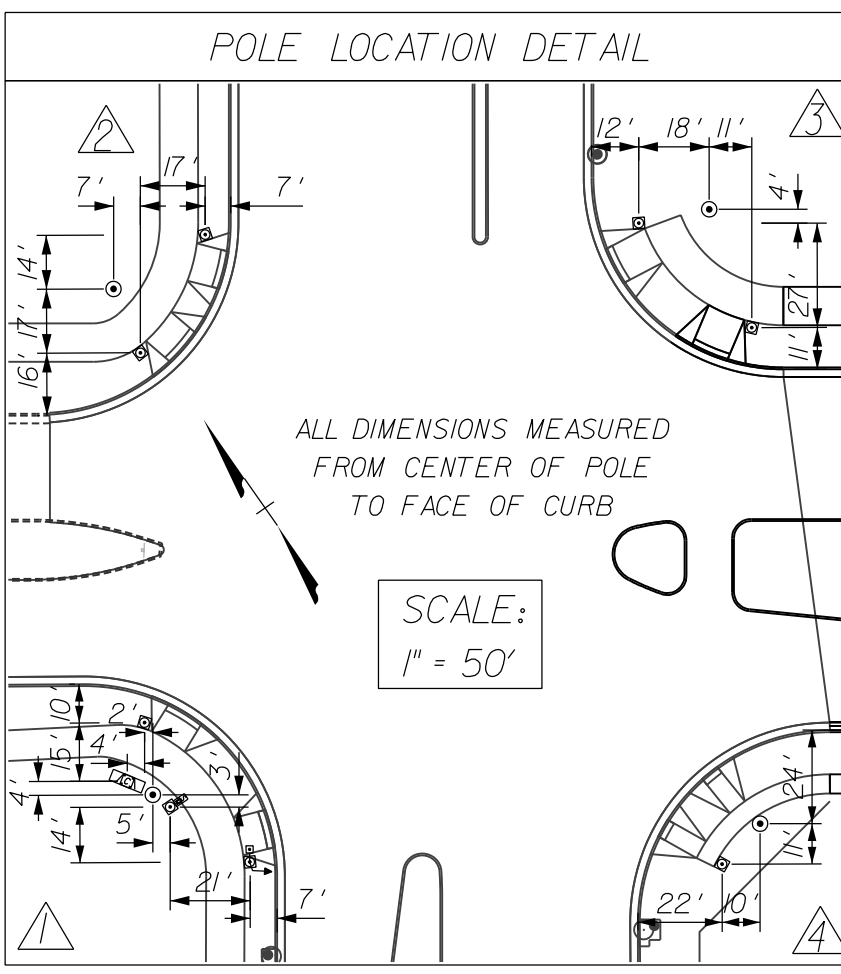
- (A) 1" CONDUIT (M)
- (B) 2" CONDUIT (M)
- (C) 4" CONDUIT (M)
- (D) 5" CONDUIT (M)
- (E) 1-3" CONDUIT 1-14/2C (S)
- (F) 1-3" CONDUIT 2-14/2C (S)
- (G) 3" CONDUIT (M)
- (H) 1-3" CONDUIT 3-14/2C (S)
- (J) 1-3" CONDUIT 5-14/2C (S)
- (K) 1-3" CONDUIT 7-14/2C (S)
- (L) 1-3" CONDUIT 8-14/2C (S)
- (M) 1-3" CONDUIT 1-14/2C FOR PED PB 1-14/7C FOR HEAD PB 1-6 AWG (EGC)
- (N) 1-3" CONDUIT 1-14/2C FOR PED PB 1-14/7C FOR HEAD PB 2-14/2C (S) 1-6 AWG (EGC)
- (T) 2-4" BORED CONDUIT 9-14/7C FOR HEADS 2,2A,4,5 7,P2,P8
- (U) 1-3" CONDUIT 4-14/2C FOR PED PB 3-14/7C FOR HEADS 2,2A,5 1-6 AWG (EGC) 2-PRE-EMPTION CABLE FOR OPTICOM B,D 2-14/2C FOR OPTICOM B,D 1-COAX FOR CAMS H,J 1-16/3C FOR CAMS H,J 1-6 AWG (EGC)
- (V) 1-3" CONDUIT 1-14/2C FOR PED PB 1-14/7C FOR HEAD P2 1-6 AWG (EGC)
- (Q) 1-4" BORED CONDUIT 5-14/7C FOR HEADS 2,2A,5,P2,P8 2-14/2C FOR PED PB 7-14/2C (S) 1-PRE-EMPTION CABLE FOR OPTICOM B 1-14/2C FOR OPTICOM B 1-COAX FOR CAM H 1-16/3C FOR CAM H 1-6 AWG (EGC)
- (R) 1-3" CONDUIT 1-14/2C FOR PED PB 1-14/7C FOR HEAD P4 1-6 AWG (EGC)
- (S) 1-3" CONDUIT 1-14/2C FOR PED PB 3-14/7C FOR HEADS 4,7,P2 1-PRE-EMPTION CABLE FOR OPTICOM D 1-14/2C FOR OPTICOM D 1-COAX FOR CAM J 1-16/3C FOR CAM J 1-6 AWG (EGC)
- (Y) 1-3" CONDUIT 1-14/2C FOR PED PB 1-14/7C FOR HEAD P4 2-14/2C (S) 1-6 AWG (EGC)
- (Z) 1-3" CONDUIT 3-14/7C FOR HEADS 1,6,6A 1-PRE-EMPTION CABLE FOR OPTICOM A 1-14/2C FOR OPTICOM A 1-COAX FOR CAM F 1-16/3C FOR CAM F 1-CAT5-e FOR CAM K 1-18/2C FOR CAM K 1-6 AWG (EGC)
- (BB) 1-11/4" CONDUIT (M) 3-6 AWG FOR ELEC.SERVICE
- (CC) 1" CONDUIT 1-6 AWG (EGC) FOR ELEC. GROUNDING
- (DD) 1-2" CONDUIT (EMPTY) FOR ELEC.SERVICE
- (EE) 1-4" CONDUIT 8-14/2C FOR FIBER 1-1310nm FIBER
- (FF) 1-4" BORED CONDUIT 1-1310nm FIBER
- (AA) 2-4" CONDUIT 18-14/7C FOR HEADS 1,2,2A, 3,4,5,6,6A,7,8,P2,P4,P6,P8 5-PRE-EMPTION CABLE FOR OPTICOMS A,B,C,D,E 5-14/2C FOR OPTICOMS A,B,C,D,E 4-14/2C FOR PED PB 3-14/7C FOR PED PB 3-14/2C (S) 4-COAX FOR CAMS F,G,H,J 4-16/3C FOR CAMS F,G,H,J 1-CAT5-e FOR CAM K 1-18/2C FOR CAM K 2-6 AWG (EGC) 1-3" CONDUIT (SPARE) 1-6 AWG (EGC) (FOR SPARE)

PROPOSED EQUIPMENT

- A,B,C,D,E ◆ OPTICOM DETECTOR EYE
- F,G,H,J 📷 VIDEO DETECTION CAMERA
- K 📷 PAN-TILT-ZOOM SURVEILLANCE CAMERA



NOTE: 1) ALL JUNCTION BOXES ARE TO BE JB-R1 UNLESS OTHERWISE SPECIFIED ON PLANS.  
 2) THE CONTRACTOR SHALL HAVE A LEVEL II IMSA CERTIFIED PERSON WITH A MINIMUM OF 2 YEARS CERTIFICATION ONSITE DURING ALL SIGNAL RELATED CONSTRUCTION OR MODIFICATIONS.  
 3) COMMUNICATIONS SHALL BE MAINTAINED AT ALL TIMES.



TRAFFIC SIGNAL INSTALLATION  
 S KING ST (RTE 15) &  
 BATTLEFIELD PKWY (RTE 253) /  
 MEADE DR

DATE: FEBRUARY, 2015  
 PROJECT: 07-0095  
 FILE: d07315\_T-2A  
 SHEET: T-2A

T3 DESIGN CORPORATION  
 10340 DEMOCRACY LANE  
 SUITE 505  
 FAIRFAX, VA 22030  
 PHONE: 703-595-5661  
 www.t3design.com

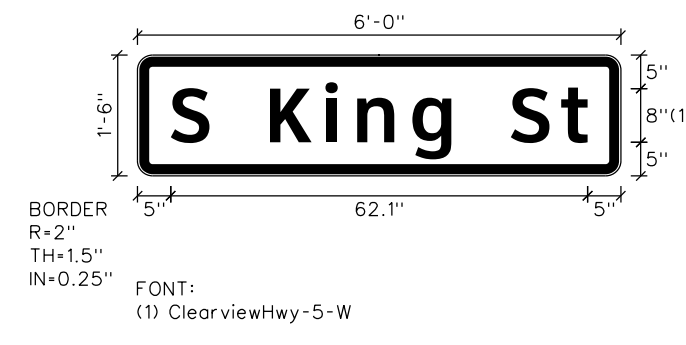
ENGINEER: AMY MORRIS  
 PROJECT MANAGER: AMY MORRIS

PROJECT NAME: SOUTH KING STREET (ROUTE 15) WIDENING PHASE 2  
 TOWN OF LEEBSBURG, VIRGINIA

ASSOCIATED PLAN: T-2A  
 C.I.P. NUMBER: T-2A  
 SHEET: T-2A

REVISIONS:  
 3/25/14

SIGN DETAIL  
1:25



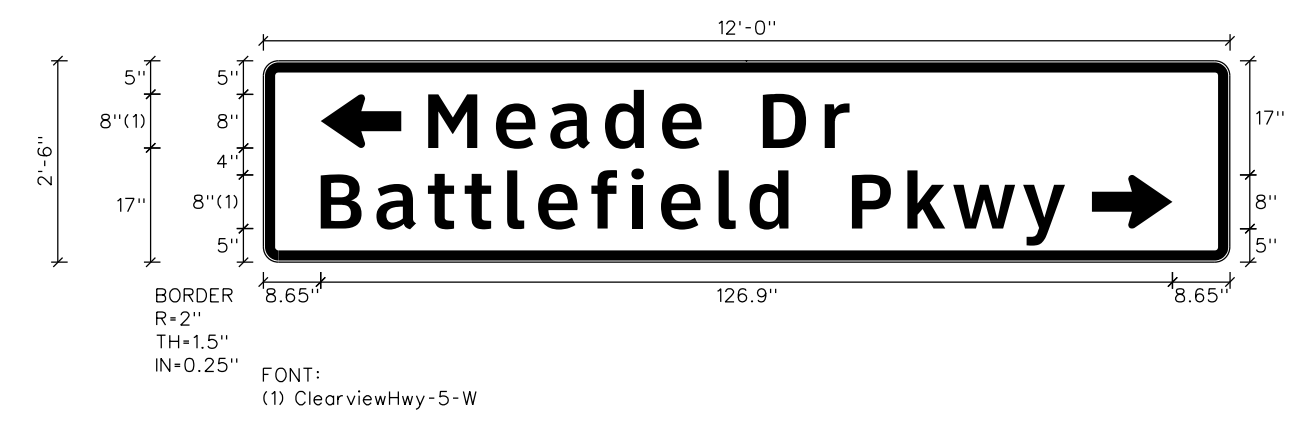
SIGN NUMBER	S-5
WIDTH x HIGHT.	6'-0" x 1'-6"
BORDER WIDTH	1.5"
CORNER RADIUS	2"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Brown
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT

Panel Style: VDOT street sign.ssi  
Dimensions are in inches.tenths  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)		LENGTH	SERIESIZE							
S	K	i	n	g	S	t	ClearviewHwy-5-W			
5	10.7	19.7	28	32.7	41	46.8	55.6	63.1	62.1	86.5

SIGN DETAIL  
1:25



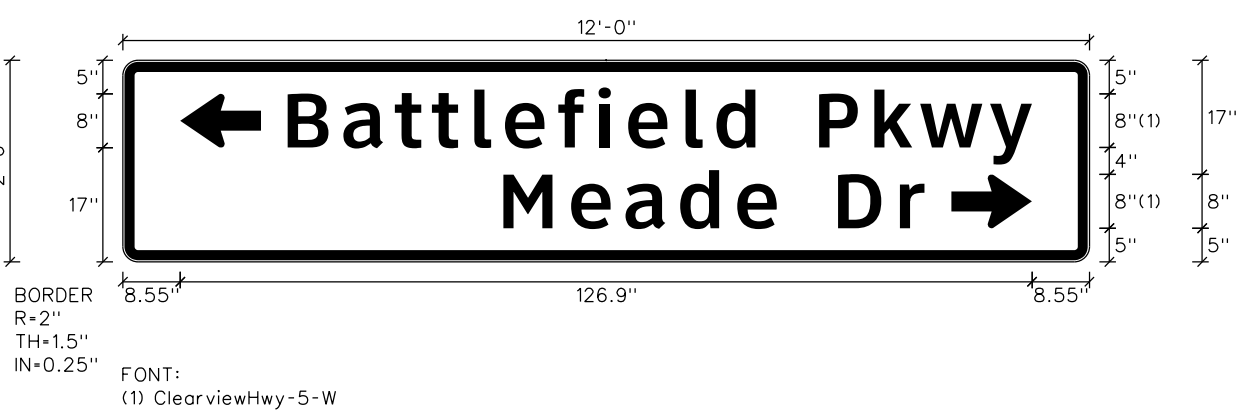
SIGN NUMBER	S-6
WIDTH x HIGHT.	12'-0" x 2'-6"
BORDER WIDTH	1.5"
CORNER RADIUS	2"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Brown
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	90	8.6	17	8	12
ARUP	270	123.4	5	8	12

Panel Style: VDOT 2 line.ssi  
Dimensions are in inches.tenths  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)		LENGTH	SERIESIZE														
M	e	a	d	e	D	r	ClearviewHwy-5-W										
24.6	34.7	42.8	50.9	59.4	65.3	74.4	83.6	62.8	86.5								
B	a	t	t	I	e	f	i	e	I	d	P	k	w	y	ClearviewHwy-5-W		
8.5	16.8	24.5	30	36.3	40.9	48.9	54.8	59.2	67.8	72.4	78.2	87.7	95.9	102.8	113.2	110.9	86.5

SIGN DETAIL  
1:25



SIGN NUMBER	S-7
WIDTH x HIGHT.	12'-0" x 2'-6"
BORDER WIDTH	1.5"
CORNER RADIUS	2"
MOUNTING	Overhead
BACKGROUND	TYPE: Reflective COLOR: Brown
LEGENDBORDER	TYPE: Reflective COLOR: White/White

SYMBOL	ROT	X	Y	WID	HT
ARUP	90	8.6	17	8	12
ARUP	270	123.4	5	8	12

Panel Style: VDOT 2 line.ssi  
Dimensions are in inches.tenths  
Letter locations are panel edge to lower left corner

LETTER POSITIONS (X)		LENGTH	SERIESIZE														
B	a	t	t	I	e	f	i	e	I	d	P	k	w	y	ClearviewHwy-5-W		
24.6	32.9	40.5	46	52.3	56.9	64.9	70.9	75.3	83.8	88.4	94.2	103.7	112	116.8	129.2	110.9	86.5
M	e	a	d	e	D	r	ClearviewHwy-5-W										
56.7	66.8	74.9	83	91.5	97.4	106.6	115.8	62.8	86.5								

T3 DESIGN CORPORATION  
10340 DEMOCRACY LANE  
SUITE 505  
FAIRFAX, VA 22030  
PHONE: 703-358-5861  
www.t3design.com



ENGINEER:

PROJECT MANAGER: AMY MORRIS

PROJECT NAME: SOUTH KING STREET (ROUTE 15) WIDENING  
PHASE 2

Loudoun County, Virginia

Town of Leesburg  
SUBMISSION DATE:



ASSOCIATED PLAN  
C.I.P. NUMBER: TL CI-2013-0001

TOWN NUMBER:

SIGN DETAILS TRAFFIC SIGNAL INSTALLATION		NOT TO SCALE			
		Date:	<b>FEBRUARY, 2015</b>		
		Project:	<b>07-0095</b>		
File:	<b>d07315_T2-B</b>	Sheet:	<b>T2-B</b>		
Drawn:	RTM	Designed:	JMS	Checked:	AJM

# SUMMARY OF QUANTITIES

ITEM NUMBER	51137	510108	51160	51170	51184	51198	52403	51212	51245	51238	51240	51425	51425	51425	51600	51607	51615	51700	51614	51614	51614	51614	51614	51830	51832	51838	51840	51910	51963	51000	52000	52000	52000	52000	52002	52002	52002	55060	55580	55581	
NO.	EA	SF	EA	EA	EA	EA	EA	EA	EA	CY	EA	EA	EA	EA	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	
T2A	1	140	4	1	45	8	8	7	1	26	7	2	1	1	2,945	5,005	6,330	9,300	1,510	1,950	85	1,215	85	11	7	1	14	2,500	1	1	1	5	1	1	1	1	6	1	75	21	1

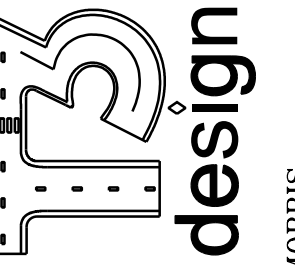
## SUMMARY OF QUANTITIES (CONT'D)

ITEM NUMBER	56020	56022	56026	56030	56034	56038	56052	56200	51540	56205
NO.	LF	LF	LF	LF	LF	LF	LF	LF	EA	EA
T2A	15	335	20	25	1,980	70	915	1,825	32	4

### SUMMARY NOTES:

- 1 THE CONTROLLER CABINET SHALL BE EQUIPPED WITH AN UNINTERRUPTABLE POWER SUPPLY (UPS).
- 2 ALL BACKPLATES ARE INCLUDED IN THIS PAY ITEM.
- 3 INCLUDED IN THE COST OF THIS BID ITEM IS THE COST OF EQUIPMENT GROUNDING CONDUCTOR (#6 AWG EGC).
- 4 THE CONTRACTOR MUST REVIEW THE PROPOSED MOT CAREFULLY AND SUBMIT THE BID PRICE TO INCLUDE THE RELOCATION OF SIGNAL EQUIPMENT FOR EACH PHASE IN THE MOT PLANS. THIS BID PRICE MUST COVER CONTINUAL PROVISION OF FULL COLOR SIGNAL CONTROL DURING ALL PHASES OF CONSTRUCTION.
- 5 INCLUDED IN THIS PAY ITEM IS THE COST AND LABOR TO REMOVE EXISTING SIGNAL EQUIPMENT NOT TO BE RETAINED. REMOVED EQUIPMENT SHALL BE DISPOSED OF OFF-SITE AND IN AN APPROPRIATE MANNER BY THE CONTRACTOR.
- 6 TEMPORARY ITEM IS TO ACCOMMODATE ANY TRAFFIC PATTERN SWITCHES AND VIDEO DETECTION AS REQUIRED DURING ALL PHASES OF CONSTRUCTION.
- 7 DENOTES ITEM(S) TO BE PAID FOR ON BASIS OF PLAN QUANTITIES IN ACCORDANCE WITH CURRENT ROAD AND BRIDGES SPECIFICATIONS.
- 8 ELECTRICAL SERVICE SHALL BE INSTALLED IN ACCORDANCE WITH ST'DS, SE-5 AS SHOWN ON THE PLANS AND SECTION 238.02(1). THE COST SHALL INCLUDE TWO 60 AMP BREAKERS, ELECTRIC SERVICE SHALL BE METERED.
- 9 CONTROLLER CABINET FOUNDATIONS SHALL BE ST'D CF-1 AND THE COST OF THE FOUNDATION SHALL INCLUDE TWO 4" CONDUITS, ONE 3" CONDUIT FOR INTERCONNECT, ONE 3" CONDUIT FOR SPARE, ONE 1-1/4" CONDUIT TIED TO THE JB-RI AND THE PHONE COMPANY ACCESS COMPARTMENT CC-2.
- 10 THE COST OF PROVIDING COMMUNICATION TO THE TRAFFIC SIGNAL IS INCLUDED IN THE COST OF INSTALL CONTROLLER.
- 11 EMERGENCY PREEMPTION CABLE SHALL BE GTT OPTICOM EMERGENCY PRE-EMPTION 16/3C WIRE AS SPECIFIED BY THE TOWN.

T3 DESIGN CORPORATION  
10340 DEMOCRACY LANE  
SUITE 905  
FAIRFAX, VA 22030  
PHONE: 703-558-5861  
www.t3design.com

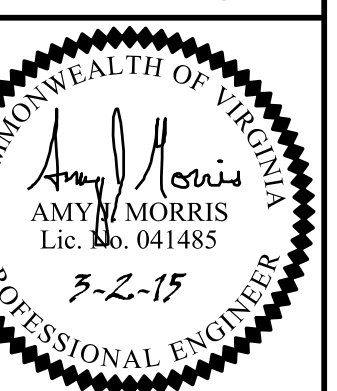


ENGINEER:  
PROJECT MANAGER: AMY MORRIS

PROJECT NAME: SOUTH KING STREET (ROUTE 15) WIDENING PHASE 2

Loudoun County, Virginia

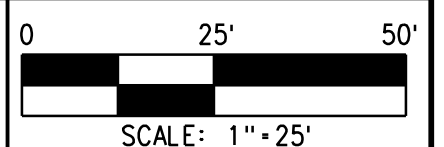
Town of Leesburg  
SUBMISSION DATE:



ASSOCIATED PLAN NUMBER: TLCI-2013-0001

TOWN NUMBER:

SUMMARY OF QUANTITIES  
TRAFFIC SIGNAL INSTALLATION



Date: FEBRUARY, 2015  
Project: 07-0095  
File: d70315\_T-2C  
Sheet: T-2C

DRAWN: RTM    DESIGNED: GDS    CHECKED: AJM

SHEET T-2C