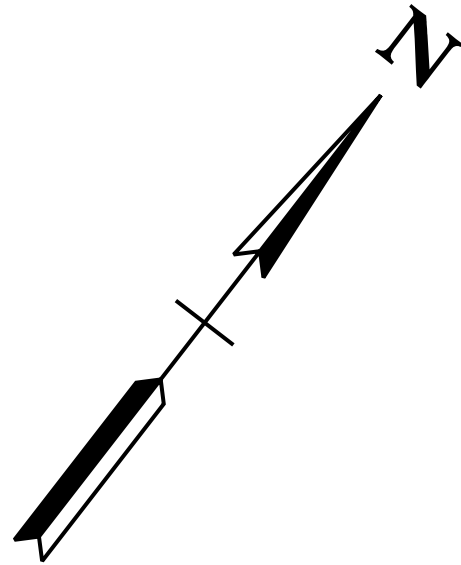




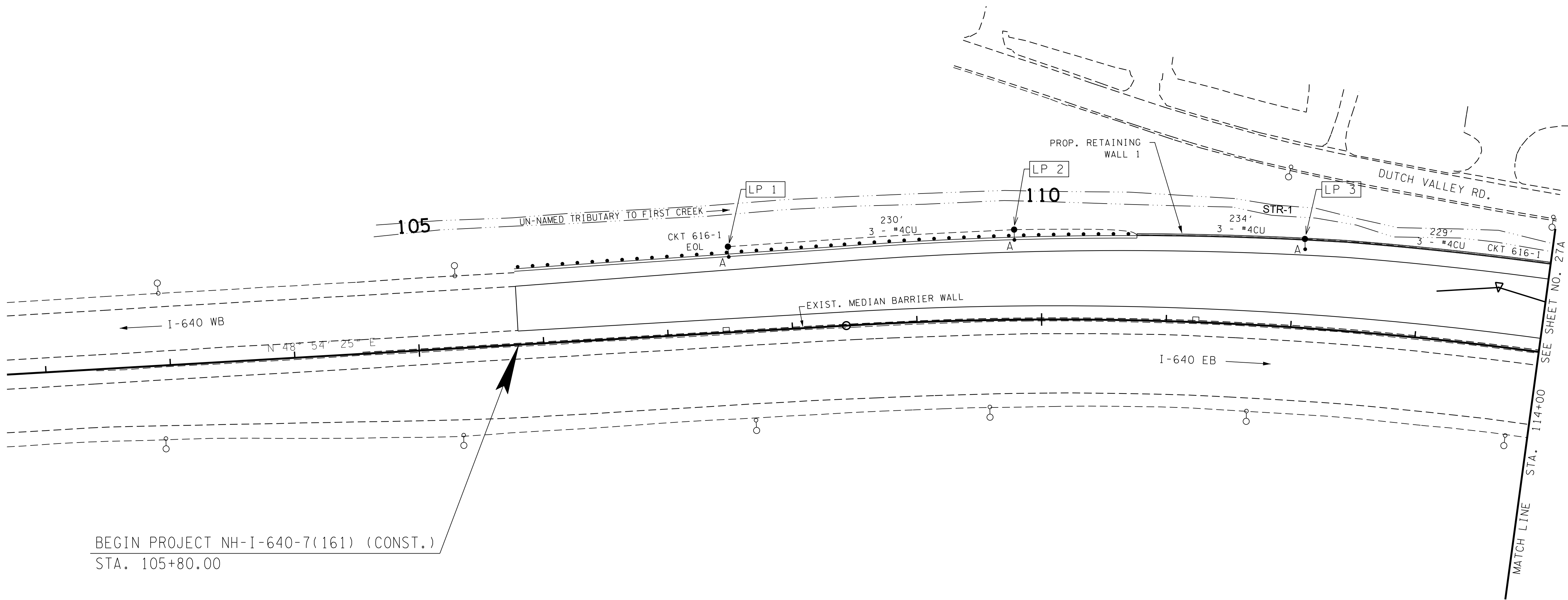
LUMINAIRE SCHEDULE						
LEGEND	QUANTITY	DESCRIPTION	CATALOG NUMBER	WATTAGE	IES FILE	LLF
A	25	HPS COBRA HEAD	COOPER OVY25SX3E	250 W	OVY25SX3E.ies	0.81
B	2	HPS OFFSET	HOLOPHANE G250HP00HDX	250 W	G250HP00HDX.ies	0.81
C	71	LED ROADWAY	COOPER NVN-AE-03-D-U-T3-10K-4N7-AP	157 W	NVN-AE-03-E-U-T3.ies	0.9
D	6	LED ROADWAY	COOPER NVN-AE-02-D-U-T3-10K-4N7-AP	107 W	NVN-AE-02-E-U-T3.ies	0.9
E	4	LED UNDERPASS WALLPACK	HOLOPHANE W4G_LED_20C_1000_40K_T3M	72 W	W4G_LED_20C_1000_40K_T3M.ies	0.9
F	14	LED UNDERPASS PENDANT	HOLOPHANE PLED2_5L_4K_AS_UN_NA_G_L1	50 W	PLED2_5L_4K_AS_UN_NA_G_L1.ies	0.9

ILLUMINATION RESULTS					
SECTION	AVG.	MAX	MIN.	MAX/MIN	AVG/MIN
I-640 WESTBOUND LANES	0.8 fc	2.2 fc	0.4 fc	5.5 / 1	2.0 / 1
RAMP 1	0.9 fc	1.9 fc	0.4 fc	4.8 / 1	2.3 / 1
RAMP 2	1.0 fc	2.1 fc	0.5 fc	4.2 / 1	2.0 / 1
RAMP 3	0.9 fc	1.7 fc	0.4 fc	4.3 / 1	2.3 / 1
BROADWAY	1.0 fc	2.1 fc	0.5 fc	4.2 / 1	2.0 / 1
DUTCH VALLEY RD.	1.2 fc	1.8 fc	0.5 fc	3.6 / 1	2.4 / 1
RELOCATED OLD BROADWAY	1.2 fc	2.1 fc	0.4 fc	5.3 / 1	3.0 / 1
TAZEWELL PIKE					
ADDISON RD.	0.8 fc	1.3 fc	0.4 fc	3.3 / 1	2.0 / 1

* EVALUATION BASED ON IES PHOTOMETRIC FILES SHOWN IN LUMINAIRE SCHEDULE.

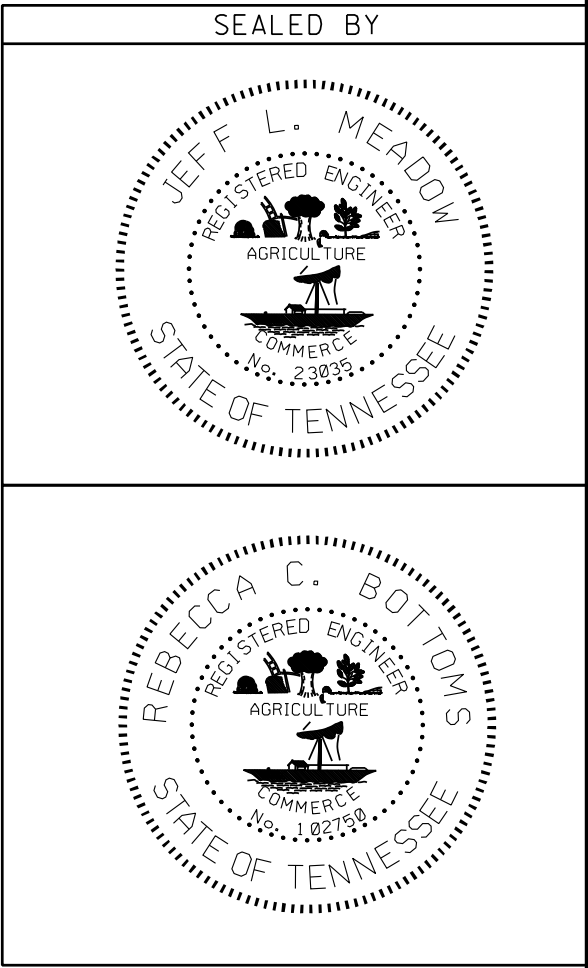
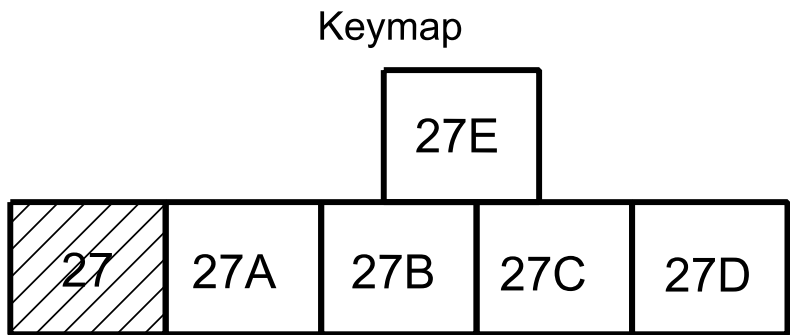
TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2016	NH-I-640-7(161)	27

KNOX CO. I-640
47008-3150-44 (CONST.)
REV. 01-15-16: UPDATED
CONSTRUCTION YEAR. REVISED
LEGEND AND LUMINAIRE SCHEDULE.
REMOVED STREET LIGHT REMOVALS.



BEGIN PROJECT NH-I-640-7(161) (CONST.)
STA. 105+80.00

- LEGEND
- EXISTING STREET LIGHT TO REMAIN
 - A PROPOSED STREET LIGHT (250W HPS COBRA HEAD LUMINAIRE)
 - B PROPOSED STREET LIGHT (250W HPS OFFSET LUMINAIRE)
 - C PROPOSED STREET LIGHT (157W LED LUMINAIRE)
 - D PROPOSED STREET LIGHT (107W LED LUMINAIRE)
 - ▤ E PROPOSED UNDERPASS LIGHT (72W LED LUMINAIRE)
 - F PROPOSED UNDERPASS LIGHT (50W LED LUMINAIRE)



COORDINATES ARE NAD/83(1995),
ARE DATUM ADJUSTED BY THE
FACTOR OF 1.0001 AND TIED TO
THE TGRN. ALL ELEVATIONS ARE
REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

LIGHTING
LAYOUT
I-640
STA. 105+80 TO STA. 114+00
SCALE: 1"= 50'