

**LIGHT POLE, LIGHT POLE BASE, LUMINAIRE**  
 US RTE 2 6+12 - 19.0' LT  
 US RTE 2 6+92 - 21.0' RT  
 US RTE 2 7+89 - 28.0' RT  
 US RTE 2 8+75 - 27.5' RT  
 US RTE 2 9+75 - 21.0' RT  
 VT RTE I17 30+43 - 34.0' RT  
 VT RTE I17 31+00 - 21.0' LT  
 I-89 NB OFF-RAMP 35+68 - 22.0' LT

**LIGHT POLE JUNCTION BOX**  
 US RTE 2 6+12 - 21.6' LT  
 US RTE 2 6+92 - 23.6' RT  
 US RTE 2 7+89 - 30.6' RT  
 US RTE 2 8+75 - 30.0' RT  
 US RTE 2 9+75 - 23.6' RT  
 VT RTE I17 30+44 - 36.6' RT  
 VT RTE I17 31+03 - 21.0' LT  
 I-89 NB OFF RAMP 35+68 - 24.6' LT

**JUNCTION BOX**  
 US RTE 2 6+28 - 33.8' LT  
 US RTE 2 7+04 - 24.0' RT  
 US RTE 2 7+12 - 39.0' RT  
 US RTE 2 10+58 - 25.0' RT

**WIRED CONDUIT (2") (PVC)**  
 US RTE 2 6+12 LT (JB) - 6+28 LT (JB) 24'  
 US RTE 2 6+28 LT (JB) - 6+31LT (CONDUIT SLEEVE) 6'  
 US RTE 2 6+28 LT (JB) - VT RTE I17 31+03 LT (JB) 47'  
 US RTE 2 6+92 RT (JB) - 7+04 RT (JB) 10'  
 US RTE 2 7+04 LT (CONDUIT SLEEVE) - 7+12 LT (JB) 25'  
 US RTE 2 7+12 LT (JB) - 7+73 LT (PC) 65'  
 US RTE 2 7+12 LT (JB) - VT RTE I17 30+44 RT (JB) 34'  
 US RTE 2 7+74 LT (PC) - I-89 NB OFF-RAMP 35.68 LT (JB) 115'  
 US RTE 2 7+89 RT (JB) - 7+04 RT (JB) 81'  
 US RTE 2 7+89 RT (JB) - 8+75 RT (JB) 89'  
 US RTE 2 8+75 RT (JB) - 9+75 RT (JB) 104'

US RTE 2 9+55 RT (JB) - 10+58 RT (JB) 85'   
 SEE BELOW FOR CONDUIT SCHEDULE

**WIRED CONDUIT (1") (PVC)**  
 US RTE 2 6+12 LT (JB) - 6+12 LT (LP) 8'  
 US RTE 2 6+92 RT (JB) - 6+92 RT (LP) 8'  
 US RTE 2 7+89 RT (JB) - 7+89 RT (LP) 8'  
 US RTE 2 8+75 RT (JB) - 8+75 RT (LP) 8'  
 US RTE 2 9+75 RT (JB) - 9+75 RT (LP) 8'  
 VT RTE I17 31+03 LT (JB) - 31+00 LT (LP) 8'  
 VT RTE I17 30+43 RT (JB) - 30+44 RT (LP) 8'  
 I-89 NB OFF-RAMP 35+68 LT (PB) - 35+68 LT (JB) 8'  
 NO 1" (PVC) CONDUIT USED

**12" STEEL ELECTRICAL CONDUIT SLEEVE (6") (PVC)**  
 US RTE 2 6+31LT - 7+04 LT 78'  
 US RTE 2 7+04 RT - 7+12 LT 62'  
 US RTE 2 6+15 RT  
**POWER DROP STANCHION, STREET LIGHTING**  
 US RTE 2 7+75 LT  
 COORDINATE WITH TRAFFIC SIGNAL WORK

**LEGEND:**  
 ----- PROPOSED WIRED CONDUIT  
 ----- PROPOSED ELECTRICAL CONDUIT SLEEVE  
 ■ PROPOSED JUNCTION BOX  
 → PROPOSED LIGHT POLE & LUMINAIRE  
 L-2 LUMINAIRE TYPE

- NOTES:**
- CONNECT NEW STREET LIGHTING INDICATED TO RELOCATED POWER CABINET AT US RTE 2 7+75 LT. UTILIZE AN EXISTING 20A SPARE BREAKER TO POWER THE NEW STREET LIGHTING.
  - SEE LIGHTING NOTES 1-II, 14, CONDUIT SLEEVE NOTES, DETAILS FOR TAGS ATTACHED TO AREA LIGHT POLES, CONDUIT NOTES, GROUNDING NOTES AND GENERAL NOTES ON THE LIGHTING GENERAL NOTES SHEET (SHEET I14).
  - LIGHTING CONDUIT PROPOSED IN ROADWAYS SHALL BE INSTALLED IN THE SAME TRENCHES AS THE TRAFFIC SIGNAL CONDUIT. REFER TO TRAFFIC SIGNAL PLANS, SHEETS 66 & 68.

**LUMINAIRE L-2:**  
 LIGHT DISTRIBUTION IS BASED ON HOLOPHANE PHOTOMETRIC DATA \*LEDG I20 53 4K 00 2H L4, FULL CUTOFF, TYPE IV OPTICS, CATALOG \*LEDG I20 53 5K AS A L4 PCS (TENON MOUNTED)  
 THE ABOVE PHOTOMETRIC DATA DRAWINGS WERE USED FOR DESIGN PURPOSES ON THIS PROJECT. ALTERNATE MANUFACTURER PRODUCTS THAT MAY BE SUBSTITUTED ARE BETALED (LEDWAY IP) AND LRL LED LUMINAIRE \*STA-96M. THE ALTERNATE MANUFACTURER MUST MEET THE INSTALLED LUMINAIRE LIGHT UTILIZATION AN MINIMUM FC.

ALL NEW STREET LIGHTING POLES AND LUMINAIRES FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH SUBSECTION 753.01.

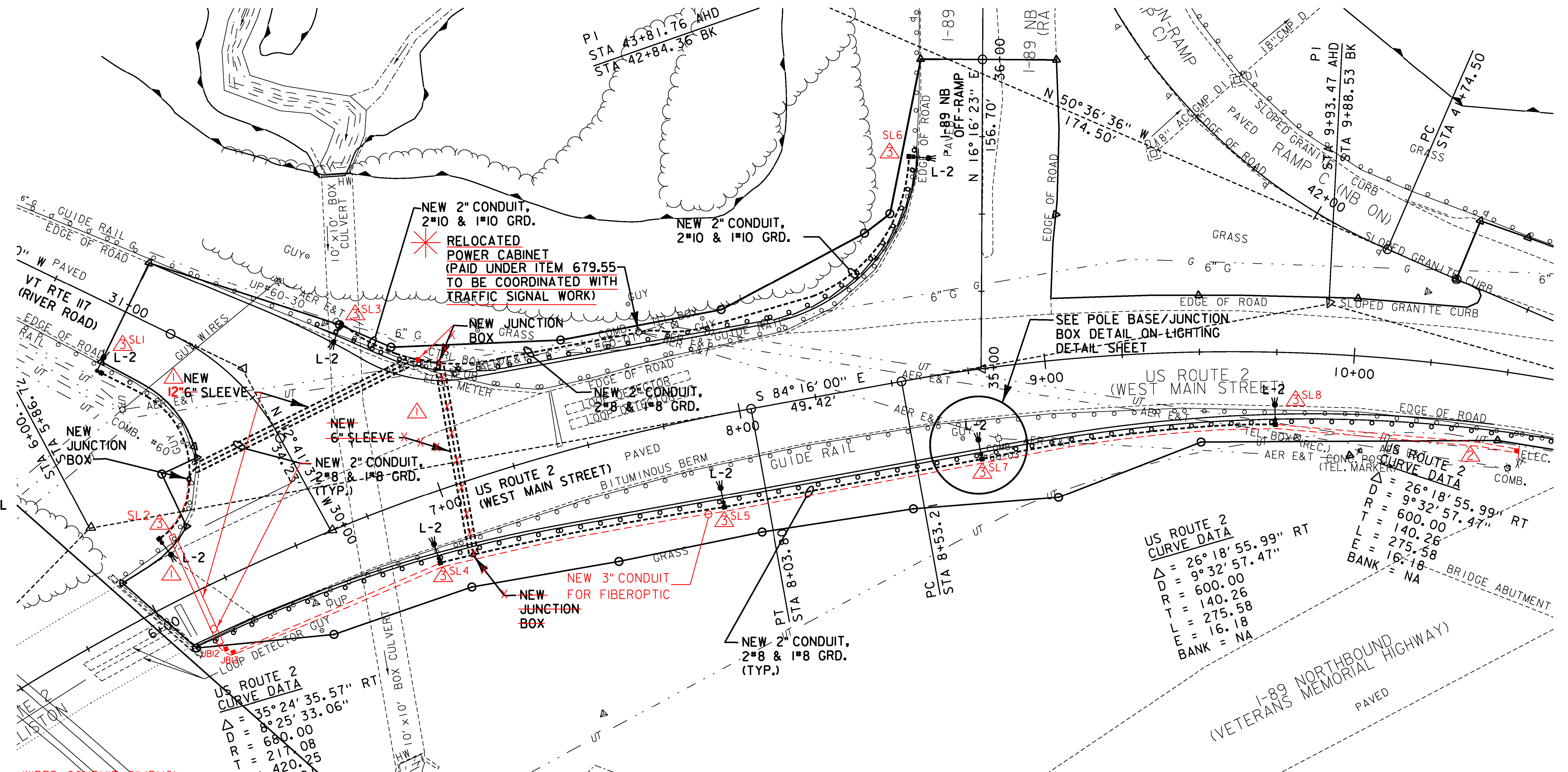
**STREET LIGHTING DESIGN PARAMETERS:**

THE STREET LIGHTING IS BASED ON THE VERMONT AGENCY OF TRANSPORTATION LIGHTING DESIGN GUIDE, RECOMMENDED LIGHTING LEVELS FOR INTERSECTIONS AND ROUNDABOUTS (MAJOR/LOCAL, LOW, FC = 1.3).

**WIRED CONDUIT 2" (PVC)**  
 STA. 30+86, 29' LT, POLE #60 TO L=28, 38' LT, SERVICE  
 STA. 6+28, 38' LT, SERVICE TO 6+20, 35' LT, CONTROL  
 STA. 6+20, 35' LT, CONTROL TO 6+24.96, 33.97' LT, MPIA  
 STA. 6+20, 35' LT, CONTROL TO 6+15, 45' LT, PBI  
 STA. 6+15, 45' LT, PBI TO 6+15, 25' RT, PBMPIC  
 STA. 6+15, 25' RT, PBMPIC TO 6+38.36, 21.54' RT, MPIC  
 STA. 6+50, 25' RT, PB2 TO 6+76, 23' RT, PB3  
 STA. 6+76, 23' RT, PB3 TO 6+86.06, 22.78' RT, MPIB  
 STA. 6+28, 38' LT, SERVICE TO 6+30, 33.8' LT, JB10  
 STA. 6+30, 33.8' LT, JB10 TO 31+03, 21' LT, JBI  
 STA. 31+03, 21' LT, JBI TO 31+00, 21' LT, \*SLI-I05W-LED  
 STA. 6+30, 33.8' LT, JB10 TO 7+04, 33' LT, JB11  
 STA. 7+04, 33' LT, JB11 TO 30+44, 36.6' RT, JB3  
 STA. 30+44, 36.6' RT, JB3 TO 30+44, 34' RT, \*SL3-I05W-LED

STA. 7+06, 33' LT, JB11 TO 35+70, 24.6' LT, JB6  
 STA. 35+70, 24.6' LT, JB6 TO 35+68, 24.6' LT, \*SL6-I05W-LED  
 STA. 6+28, 33.8' LT, JB10 TO 6+15, 21.6' LT, JB12  
 STA. 6+15, 21.6' LT, JB12 TO 6+12, 21.6' LT, JB2  
 STA. 6+12, 21.6' LT, JB2 TO 6+12, 21.6' LT, \*SL2-I05W-LED  
 STA. 6+15, 21.6' LT, JB12 TO 6+15, 23' RT, JB13  
 STA. 6+15, 23' RT, JB13 TO 6+92, 23' RT, JB4  
 STA. 6+92, 23' RT, JB4 TO 6+92, 21' RT, \*SL4-I05W-LED  
 STA. 6+92, 23' RT, JB4 TO 7+89, 30.6' RT, JB5  
 STA. 7+89, 30.6' RT, JB5 TO 7+89, 28' RT, \*SL5-I05W-LED  
 STA. 7+89, 30.6' RT, JB5 TO 8+75, 30' RT, JB7  
 STA. 8+75, 30' RT, JB7 TO 8+75, 27.5' RT, \*SL7-I05W-LED  
 STA. 8+75, 30' RT, JB7 TO 9+75, 23.6' RT, JB8  
 STA. 9+75, 23.6' RT, JB8 TO 9+75, 21' RT, \*SL8-I05W-LED  
 STA. 9+75, 23.6' RT, JB8 TO 10+54, 23.5' RT, JB9

**WIRED CONDUIT 3" (PVC)**  
 STA. 7+04, 33' LT, JB11 TO 6+30, 33.8' LT, JB10  
 STA. 6+30, 33.8' LT, JB10 TO 6+15, 21.6' LT, JB12  
 STA. 6+15, 21.6' LT, JB12 TO 6+15, 23' RT, JB13



**US ROUTE 2 CURVE DATA**  
 Δ = 26° 18' 55.99" RT  
 D = 9° 32' 57.47"  
 R = 600.00  
 T = 140.26  
 L = 275.58  
 E = 16.18  
 BANK = NA

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KEY	DATE	BY	REVISION
	10/27/2015	VTRANS	SUPPLEMENTAL AGREEMENT 12" STEEL SLEEVE
	10/27/2015	VTRANS	ADDITIONAL 2" WIRED CONDUIT
	10/27/2015	VTRANS	ADDITIONAL JUNCTION BOX
	11/9/2015	VTRANS	CORRECT STREET LIGHT NUMBERS
	11/13/2015	VTRANS	WIRED CONDUIT SCHEDULE UPDATE

PROJECT NAME: RICHMOND  
 PROJECT NUMBER: CMG PARK (31)  
 FILE NAME: z97cl86e101.dgn  
 PROJECT LEADER: YASSER RIZK  
 DESIGNED BY: M. STEWART  
 LIGHTING PLAN LAYOUT SHEET  
 PLOT DATE: 4/30/2013  
 DRAWN BY: M. STEWART  
 CHECKED BY: Y. RIZK  
 SHEET 75 OF 133

