





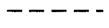




GENERAL ELECTRICAL PLAN NOTES

1. POLES SPECIFIED SHALL BE SINGLE HANDHOLE BELOW GRADE TYPE EXCEPT POLES ON UPRR BRIDGE WHICH SHALL BE SINGLE HANDHOLE WITH BASE PLATE MOUNTED ON BRIDGE STRUCTURE.
2. ALL LIGHT STANDARDS SHALL BE LOCATED A MINIMUM OF 3'-0" BEHIND THE EDGE OF BIKE PATH. FROM STA. 28+00 TO STA. 33+00, LIGHT STANDARDS SHALL BE LOCATED A MINIMUM OF 1'-0" BEHIND EDGE OF BIKE PATH.
3. NO MATERIALS SHALL BE DELIVERED TO THE JOB SITE UNTIL ALL EQUIPMENT SUBMITTALS HAVE BEEN APPROVED BY THE VILLAGE.
4. THE CONTRACTOR SHALL CONTACT THE ELECTRIC UTILITY COMPANY TO COORDINATE THE ELECTRIC SERVICE WORK.
5. THE QUANTITIES OF RACEWAY WHERE INDICATED IN THESE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
6. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. TO LOCATE AND MARK/STAKE ALL UNDERGROUND UTILITIES.
7. THE CONTRACTOR SHALL NOTIFY THE VILLAGE OF LOMBARD/DUPAGE COUNTY TO LOCATE AND MARK/STAKE ALL VILLAGE OWNED AND COUNTY OWNED UNDERGROUND UTILITIES.
8. TRENCHES FOR LIGHTING RACEWAYS SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT POLE IS ERECTED.
9. WHERE SEPARATE CIRCUIT RUNS ARE TO BE INSTALLED PARALLEL WITH EACH OTHER, ONE COMMON TRENCH SHALL BE USED AND SHALL BE MEASURED ONLY ONCE FOR PAYMENT, AS TRENCH AND BACKFILL FOR ELECTRICAL WORK.
10. ALL GROUND RODS SHALL BE CAD WELDED.
11. AT THE COMPLETION OF THE PROJECT THE LIGHTING SYSTEMS SHALL BE OWNED AND MAINTAINED BY THE VILLAGE OF LOMBARD.
12. LIGHTING SYSTEM INSTALLATION SHALL CONFORM TO THE LATEST IDOT STANDARDS, NEC AND LOCAL CODES.
13. ALL ELECTRICAL EQUIPMENT AND PRODUCTS SHALL BE U/L LISTED AND LABELED.
14. TO MAINTAIN THE STRUCTURAL INTEGRITY OF THE LIGHT POLES, THE LIGHT POLES SHALL NOT BE ERECTED AND/OR LEFT TO STAND WITHOUT LUMINAIRE. NOTE THAT THE LIGHT POLES WILL NOT BE PAID FOR UNTIL THE POLES ARE FULLY APPROVED AND THE LUMINAIRES ARE INSTALLED.
15. ADJUSTMENT OF LIGHT LOCATIONS DUE TO ISOLATED CONDITIONS SHALL BE APPROVED BY THE VILLAGE; MODIFICATION IN ONE LOCATION MAY RESULT IN ADJUSTMENTS TO ADJACENT LIGHT LOCATIONS IN ORDER TO PROVIDE A GRADUAL TRANSITION.
16. LUMINAIRES SHALL HAVE A TIGHT FIT ON LIGHT POLES TO THE SATISFACTION OF THE VILLAGE. THIS WORK SHALL INCLUDE FIELD ADJUSTING OF THE LUMINAIRE AND SHALL BE INCIDENTAL TO THE LUMINAIRE PAY ITEM.
17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING A PERMIT FROM DUPAGE COUNTY, DIVISION OF TRANSPORTATION PRIOR TO STARTING WORK.

STREET LIGHTING REQUIREMENTS FOR CONTRACTORS AND RESIDENT ENGINEERS

1. ELECTRICAL CONTRACTOR SHALL APPLY FOR A VILLAGE OF LOMBARD BUILDING PERMIT FOR ELECTRICAL CABINET INSTALLATION (NO FEE WILL BE CHARGED)
2. ITEMS NEEDED WITH APPLICATION ARE:
 - CERTIFICATE OF INSURANCE.
 - COPY OF ELECTRICAL LICENSE
 - 2 SETS OF ORIGINAL APPROVED DRAWINGS FOR UL LISTED AND LABELED STREET LIGHTING CABINET.
3. WHEN CALLED BY THE VILLAGE OF LOMBARD BUILDING DEPARTMENT THAT THE PERMIT IS READY, ELECTRICAL CONTRACTOR SHALL PICK UP PERMIT.
4. ONCE INSTALLATION IS COMPLETE IT IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR TO CALL THE BUILDING DEPARTMENT AT (630)620-5750 AND SCHEDULE AN INSPECTION FOR THE ELECTRICAL PANEL CONTRACTOR WILL RECEIVE A DATE OF INSPECTION.
5. THE CONTRACTOR IS THEN TO CHECK THE PANEL OR CALL THE BUILDING DEPARTMENT AT (630) 620-5750 THE DAY AFTER THE INSPECTION FOR THE RESULTS OF THE INSPECTION. A YELLOW TAG MEANS THAT IT HAS PASSED INSPECTION. A RED TAG MEANS THAT IS HAS FAILED AND THERE IS AN INSPECTION SHEET IN THE ELECTRICAL METER PANEL STATING WHAT NEEDS TO BE CORRECTED. IF THE INSTALLATION IS YELLOW TAGGED THE BUILDING INSPECTOR WILL CALL COMED AND REQUEST ELECTRICAL SERVICE BE CONNECTED AND METER INSTALLED.
6. IF THE INSTALLATION HAS BEEN RED TAGGED THE CONTRACTOR SHALL COMPLETE PROBLEMS THE BUILDING INSPECTOR HAS NOTED.
7. THE ELECTRICAL CONTRACTOR SHALL CALL THE VILLAGE OF LOMBARD BUILDING DEPARTMENT FOR A SECOND INSPECTION. IF CABINET PASSES THIS TIME IT WILL BE YELLOW TAGGED AND THE BUILDING INSPECTOR WILL CALL COMED AND REQUEST ELECTRICAL SERVICE BE CONNECTED AND METER INSTALLED.
8. THE STREET LIGHTING SYSTEM WILL THEN BE TEST BURNED FOR 7 CONSECUTIVE DAYS AND NIGHTS.

LEGEND

-  LIGHTING UNIT:14 FT DIRECT BURIAL CONCRETE POLE 66 WATT LED TYPE 3
-  LIGHTING UNIT:13 FT BRIDGE MOUNT CONCRETE POLE 66 WATT LED TYPE 3
-  HANDHOLE
-  UNIT DUCT 2 1/C #6 WITH 1/C #8 GROUND IN 1" DIA. POLYETHYLENE (2-UNIT DUCT AS INDICATED)
-  ELECTRIC CABLE IN 2" CONDUIT 3-1/C #2 (EPR-TYPE USE) INSTALLED IN TRENCH
-  UTILITY SERVICE CONNECTION, POLE MOUNTED
-  LIGHTING CONTROLLER
-  RIGID GALVANIZED STEEL CONDUIT IN TRENCH OR PUSHED AS INDICATED
-  JUNCTION BOX EMBEDDED IN STRUCTURE

SCHEDULE OF QUANTITIES

PAY ITEM	ITEM	UNIT	QUANTITY
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1
* 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1
81000600	CONDUIT IN TRENCH, 2" DIA GALVANIZED STEEL	FOOT	59
81001000	CONDUIT IN TRENCH, 4" DIA GALVANIZED STEEL	FOOT	12
81018500	CONDUIT PUSHED, 2" DIA GALVANIZED STEEL	FOOT	50
81019000	CONDUIT PUSHED, 5" DIA GALVANIZED STEEL	FOOT	52
81200240	CONDUIT EMBEDDED IN STRUCTURE, 2 1/2" DIA, PVC	FOOT	884
81304700	JUNCTION BOX EMBEDDED IN STRUCTURE 18"X18"X6"	EACH	13
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4
81603040	UNIT DUCT, 600V, 2-1/C #6, 1/C #8 GROUND (XLP-TYPE USE), 1" DIA POLYETHYLENE	FOOT	3221
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C #8	FOOT	996
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C #6	FOOT	1992
81702150	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C #2	FOOT	177
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	3071
* X8250500	LIGHTING UNIT COMPLETE, SPECIAL	EACH	27
* X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1
* REQUIRES SPECIAL PROVISIONS			

FILE NAME = W:\756-004.Lombard - GWT Bridges Phase	USER NAME = cesario	DESIGNED - BL	REVISED -	STATE OF ILLINOIS GREAT WESTERN TRAIL	GENERAL NOTES, LEGEND AND QUANTITIES	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 7/25/2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	SHEETS	STA.	TO STA.		

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