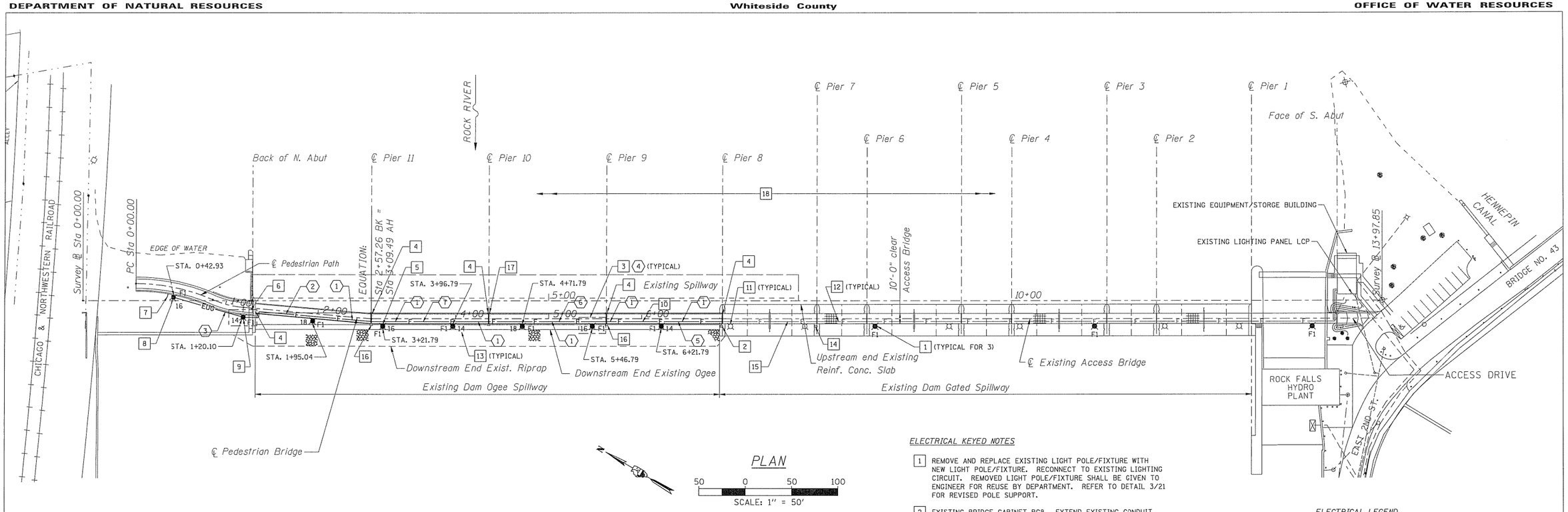
ISSUED	REVISION LETTER	REVISED BY	DATE

04\17\2006, 08:02 AM 8:02:28 AM I:\06JOBS\06ST718\Elec\Sheet\Lighting Plan.dgn



PLAN

50 0 50 100
SCALE: 1" = 50'

LIGHTING FIXTURE SCHEDULE						
FIXT. TYPE	DESCRIPTION	MANUFACTURER & CAT. NO.	LAMPS/ WATTS	VOLTS	MOUNTING	REMARKS
F1	TRADITIONAL HID COLONIAL STYLE POLE MOUNTED LIGHTING FIXTURE, 18 INCH WIDE, 31 INCH TALL WITH A CLEAR SEEDED ACRYLIC LENSE, CAST ALUMINUM FITTER, CAST ALUMINUM POLE BRACKET, CAST BALLAST HOUSING ASSEMBLY, HPF -20 DEG. F. CWA BALLAST, 4KV RATED PORCELAIN SOCKET, TYPE 3 OPTICS, BLACK POLYESTER POWDER COAT FINISH.	STERNBERG: 1843/480PM/ 70WHPS120/ RE3G/CSA/BK	1-70W HPS, ANSI CODE NO. S62, 95 TOTAL INPUT WATTS	120	MOUNTED ON A 10'-0" x 5" DIA. ROUND STRAIGHT FLUTED CAST-ALUMINUM POLE WITH DECORATIVE BASE AND POLE CAP. * STERNBERG MODEL: 77FP5-BCC/BK	* NOTE: POLE AT STA. 1+20.10 SHALL BE 16'-0" OVERALL LENGTH
F2	4FT. 1-LAMP FLUORESCENT SIGN LIGHT FIXTURE, EXTRUDED ALUMINUM HOUSING, STAINLESS STEEL HARDWARE, ADJUSTABLE END SPLICE BOXES WITH ¾"C., CLEAR ACRYLIC DIFFUSER, HPF BALLAST COLD WEATHER RATING TO -20 DEG. F., REMOTE BALLAST HOUSING, UL LISTED FOR WET LOCATIONS.	SECURITY LIGHTING: SL904CA/ WPR481LH NU LITE 41-148-HO	1-F48HO-T12 800MA, 60W, 5400 DEG. K., SIGN WHITE, 79 TOTAL INPUT WATTS	120	SURFACE MOUNT ON CONCRETE PIER	AIM FIXTURE TO FOCUS ON WARNING SIGN. LOCATE BALLAST ENCLOSURE ON BRIDGE TRUSS CHORD.

BILL OF MATERIAL		
PAY ITEM	UNIT	QUANTITY
BRIDGE LIGHTING	L. SUM	1
BRIDGE LIGHTING DECORATIVE FIXTURES/POLES	L. SUM	1
FIBER OPTIC CONDUIT	FOOT	2340

ELECTRICAL KEYED NOTES

1. REMOVE AND REPLACE EXISTING LIGHT POLE/FIXTURE WITH NEW LIGHT POLE/FIXTURE. RECONNECT TO EXISTING LIGHTING CIRCUIT. REMOVED LIGHT POLE/FIXTURE SHALL BE GIVEN TO ENGINEER FOR REUSE BY DEPARTMENT. REFER TO DETAIL 3/21 FOR REVISED POLE SUPPORT.
2. EXISTING BRIDGE CABINET BC8. EXTEND EXISTING CONDUIT AND WIRE FROM BC8 TO NEW POLE/FIXTURES.
3. SEE DETAIL 1/21 FOR JUNCTION BOX LIGHTING AND LIGHTING CIRCUIT CONNECTION TO FIXTURE.
4. PROVIDE FLEXIBLE CONDUIT AT ALL EXPANSION JOINTS, SEE DETAIL 6/21.
5. LIGHT POLE SUPPORT PROVIDED BY BRIDGE SUPPLIER, SEE SHEET 6. COORDINATE FINAL LOCATION WITH RESIDENT ENGINEER.
6. SEE SHEET 20A FOR JUNCTION BOX AND CONDUIT FROM BRIDGE TO GRADE.
7. STUB OUT 1¼" CONDUIT 3'-0" AND CAP FOR FUTURE.
8. SEE DETAIL 2/21 FOR LIGHT POLE FOUNDATION.
9. LIGHT POLE LENGTH 16'-0" (THIS UNIT ONLY).
10. ROUTE CONDUIT ON FLOOR BEAM OF BRIDGE.
11. EXISTING LIGHT POLE/FIXTURE.
12. EXISTING LIGHTING CIRCUITS 4#6, #6G., 1¼"C. (CIRCUITS LCP-14, 16, 18). BETWEEN BC8 AND PANEL LCP.
13. CIRCUIT NUMBERS.
14. EXISTING BRDIGE CABINET BC7.
15. EXISTING 1"C. WITH 3#10, #10G. BETWEEN BC7 AND BC8. PROVIDE ADDITIONAL 4#8, #8G. IN EXISTING 1"C. AND CONNECT TO CIRCUITS LCP-1, LCP-3 AND LCP-5 FOR NEW SIGN LIGHT FIXTURES AT PIERS 9, 10 AND 11.
16. PROVIDE SIGN LIGHT FIXTURES (F2) FOR TYPE 3 WARNING SIGN - SEE DETAIL 5 ON SHEET 21. CONNECT TO CIRCUITS LCP-1 (P9) AND LCP-5 (P11).
17. PROVIDE SIGN LIGHT FIXTURES (F2) FOR TYPE 2 WARNING SIGN - SEE DETAIL 5 ON SHEET 21. CONNECT TO CIRCUIT LCP-3.
18. PROVIDE 2-2"C. (RGS) FROM NORTH ABUTMENT TO SOUTH ABUTMENT FOR FUTURE FIBER OPTIC CABLES. FOLLOW ROUTING OF BRIDGE LIGHTING CONDUITS. PROVIDE TWO PULLBOXES SPACED A MAXIMUM OF 400 FT. APART. PULLBOXES SHALL BE S.S. 20"L x 12"W x 6"D, NEMA 4. LOCATION OF PULLBOXES SHLL BE COORDINATED WITH ENGINEER.

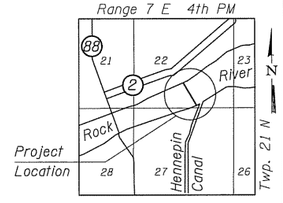
ELECTRICAL LEGEND

- EXISTING POLE MOUNT LIGHT FIXTURE
- PROPOSED POLE MOUNT LIGHT FIXTURE
- —E— EXPOSED CONDUIT ON BRIDGE
- —EUG— UNDERGROUND CONDUIT

CONDUIT LEGEND

1. 4#6, #6G., 1¼"C. (RGS) - BRIDGE LIGHTING
2. 3#6, #6G., 1¼"C. (RGS) - BRIDGE LIGHTING
3. 2#6, #6G., 1"C. (PVC) - BRIDGE LIGHTING
4. 2#10, #10G., ¾"C. (FLEX) - BRIDGE LIGHTING
5. 4#8, #8G., 1"C. (RGS) - SIGN LIGHTING
6. 3#8, #8G., 1"C. (RGS) - SIGN LIGHTING
7. 2#8, #8G., ¾"C. (RGS) - SIGN LIGHTING

PAUL J. TURCZYN 062-42105 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS
11/30/07 4/16/06



LOCATION SKETCH

1 ENTIRE SHEET, 4/17/06, PJT

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Designed By PJT Cheked By RDN
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