

GENERAL NOTES:

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF N.E.C., AASHTO, U.S. COAST GUARD, AND LOCAL ORDINANCE AND REGULATIONS. COORDINATE ALL ELECTRICAL WORK WITH IDOT AND ALL OTHER CONTRACTORS ON THE SITE.
- INDOOR ELECTRICAL CONTROL CABINETS SHALL HAVE A MINIMUM NEMA-12 RATING OR AS INDICATED. ALL OUTDOOR CABINETS SHALL BE STAINLESS STEEL, TYPE 316 AND SHALL BE NEMA 4X RATED, UNLESS OTHERWISE NOTED.
- LOCATIONS AND DIMENSIONS OF ELECTRICAL EQUIPMENT AND ASSOCIATED DEVICES ARE APPROXIMATE BASED ON EXISTING CONDITIONS AND BEST AVAILABLE PERTINENT INFORMATION AND PLANS. HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXACT LOCATIONS AND PROPOSED EQUIPMENT DIMENSIONS AS PART OF THE CONSTRUCTION AND SHOP DRAWING SUBMITTAL PROCESS. AS-BUILT-DRAWINGS SHALL BE BASED UPON APPROVED SHOP DRAWINGS, AND BASED ON ACTUAL FIELD SURVEYS, MEASUREMENTS, AND APPROVED INSTALLED EQUIPMENT ONLY.
- ALL CONDUIT AND FITTINGS SHALL BE HOT-DIP GALVANIZED RIGID STEEL OR PVC COATED AS REQUIRED. MOUNT ALL CONDUIT ON PVC COATED GALVANIZED STEEL UNISTRUT (KINDORF) CHANNELS OR APPROVED EQUAL. MOUNTING HARDWARE SHALL BE STAINLESS STEEL, TYPE 316. MINIMUM SIZE OF CONDUIT SHALL BE 3/4" DIAMETER AND CONTAIN MINIMUM 2 #12 AND 1#12 GROUND WIRE, UNON.
- EXACT CONDUITS, JUNCTION AND PULL BOX LOCATIONS, MOUNTING HARDWARE AND SUPPORTS, AND STUB-UP LOCATIONS ARE TO BE DETERMINED BASED ON FIELD CONDITIONS AND BRIDGE ELECTRICAL REQUIREMENTS AS SPECIFIED AND SHOWN ON THE PLANS.
- FLEXIBLE, LIQUIDTITE METAL CONDUIT SHALL BE USED FOR FINAL MOTOR, LIMIT SWITCH AND OTHER INSTRUMENTATION.
- PROVIDE EXPANSION AND DEFLECTION CONDUIT FITTINGS OF THE APPROVED TYPE AT THE LOCATIONS WHERE CONDUIT PASSES THROUGH STRUCTURAL EXPANSION JOINTS OTHER CRITICAL LOCATIONS, OR MINIMUM EVERY 200 FEET ON STRAIGHT RUNS.
- PITCH CONDUIT RUNS TOWARD PULL BOXES TO PREVENT MOISTURE ACCUMULATION. ON LOWEST POINT OF ALL BOXES AND OTHER ELECTRICAL EQUIPMENT SUBJECT TO WATER ACCUMULATION, PROVIDE NECESSARY DRAIN OPENINGS, FITTINGS, CONDUITS, ETC.
- PERFORM ALL CUTTING, DRILLING AND CORE DRILLING AS NECESSARY TO PROVIDE PENETRATIONS THROUGH WALLS AND FLOORS FOR ELECTRICAL INSTALLATION WORK. CORE DRILL DIAMETER SHALL NOT BE MORE THAN 25 PERCENT LARGER THAN THE CONDUIT OUTSIDE DIAMETER. ALL CONDUITS PENETRATING WALLS AND FLOORS SHALL BE INSTALLED IN A GALVANIZED STEEL SLEEVE WITH FLOOR SUPPORTS. PATCH AND RESTORE SURROUNDING AREA OF PENETRATIONS TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER. OPENINGS THROUGH SLAB AND WALL FOR CONDUITS SHALL BE FIRE STOPPED IN AN APPROVED MANNER UTILIZING "3M" COMPANY SEALING SYSTEM #7904 SERIES OR APPROVED EQUAL.
- ALL ELECTRICAL MOTORS SHALL BE PROVIDED WITH DISCONNECT SWITCHES AS PER NEC REQUIREMENTS.
- THE CONTROL RELAYS AND CONTACTORS SHALL BE FURNISHED WITH MANUFACTURER SUPPLIED SURGE SUPPRESSORS.
- ALL CONTROL CABINETS SHALL BE FURNISHED WITH ONE THERMOSTATICALLY-CONTROLLED STRIP HEATER, 125V, 20A RATED DUPLEX RECEPTACLE, AND ONE FLUORESCENT LIGHT FIXTURE WITH SWITCH.
- CONTRACTOR SHALL NOTIFY IDOT FOR EXISTENCE OF ASBESTOS AFFECTED BY THE INSTALLATION OF ELECTRICAL AND CONTROL SYSTEMS.
- FURNISH AND INSTALL TAGS FOR CONDUITS AND CABLES TO BE INSTALLED UNDER THIS CONTRACT. TAG IDENTIFICATIONS SHALL BE IN ACCORDANCE WITH THE CONTRACT DRAWINGS OR AS DIRECTED BY THE ENGINEER.
- PRIOR TO COMMENCEMENT OF WORK, SUBMIT DETAILED STAGING PLAN TO THE ENGINEER FOR APPROVAL. COORDINATE WITH THE ENGINEER ALL CONSTRUCTION ACTIVITIES THAT MAY AFFECT OPERATIONS.

ELECTRICAL DRAWING INDEX

DWG No.	DESCRIPTION
E-01	ELECTRICAL GENERAL PLAN AND ELEVATION
E-02	GENERAL ELECTRICAL NOTES - SHEET 1
E-03	GENERAL ELECTRICAL NOTES - SHEET 2
E-04	ELECTRICAL SYMBOLS - SHEET 1
E-05	ELECTRICAL SYMBOLS - SHEET 2
E-06	ELECTRICAL ABBREVIATIONS
E-07	PRIMARY ELECTRICAL SERVICE PLAN
E-08	ELECTRICAL DISTRIBUTION SERVICE EQUIPMENT LAYOUT
E-09	ELECTRICAL DISTRIBUTION SERVICE EQUIPMENT GROUNDING LAYOUT
E-10	ELECTRICAL BLOCK DIAGRAM
E-11	ELECTRICAL ONE LINE DIAGRAM - EAST SIDE SHEET 1
E-12	ELECTRICAL ONE LINE DIAGRAM - EASTBOUND MCC-EB-1
E-13	ELECTRICAL ONE LINE DIAGRAM - EAST SIDE MCC-E-1
E-14	ELECTRICAL ONE LINE DIAGRAM - WEST BOUND MCC-WB-1
E-15	ELECTRICAL ONE LINE DIAGRAM - WEST SIDE MCC-W-1
E-16	EAST AND WEST SIDE FIRE ALARM RISER DIAGRAM
E-17	CCTV SYSTEM RISER DIAGRAM
E-18	SUMP PUMP MOTOR CONTROL PANEL AND SCHEMATIC DIAGRAM
E-19	EMERGENCY GENERATOR, PLAN AND SECTIONS
E-20	ELECTRICAL DEMOLITION, POWER AND CONTROL CONDUITS - EAST SIDE DOCK LEVEL, SHEET 1
E-21	ELECTRICAL DEMOLITION, POWER AND CONTROL CONDUITS - EAST SIDE DOCK LEVEL, SHEET 2
E-22	ELECTRICAL DEMOLITION, POWER AND CONTROL CONDUITS - WEST SIDE DOCK LEVEL, SHEET 1
E-23	ELECTRICAL DEMOLITION, POWER AND CONTROL CONDUITS - WEST SIDE DOCK LEVEL, SHEET 2
E-24	ELECTRICAL DEMOLITION, POWER AND CONTROL CONDUITS - EAST/WEST SIDE MEZZANINE LEVEL
E-25	ELECTRICAL DEMOLITION, POWER AND CONTROL CONDUITS - EAST SIDE SIDEWALK LEVEL
E-26	ELECTRICAL DEMOLITION, POWER AND CONTROL CONDUITS - WEST SIDE SIDEWALK LEVEL
E-27	ELECTRICAL DEMOLITION, LIGHTING AND LOW TENSION SYSTEMS, EAST SIDE DOCK LEVEL
E-28	ELECTRICAL DEMOLITION, LIGHTING AND LOW TENSION SYSTEMS, WEST SIDE DOCK LEVEL
E-29	ELECTRICAL DEMOLITION, LIGHTING AND LOW TENSION SYSTEMS, MEZZANINE AND SIDEWALK LEVELS
E-30	ELECTRICAL DEMOLITION, ELECTRICAL - EAST/WEST SIDE OPERATOR'S ROOM LEVEL
E-31	LIGHTING AND RECEPTACLE PLAN - EAST SIDE DOCK LEVEL
E-32	LIGHTING AND RECEPTACLE PLAN - EAST SIDE MEZZANINE LEVEL
E-33	LIGHTING AND RECEPTACLE PLAN - EAST SIDE SIDEWALK LEVEL
E-34	LIGHTING AND RECEPTACLE PLAN - EAST SIDE OPERATOR'S ROOM LEVEL
E-35	LIGHTING AND RECEPTACLE PLAN - WEST SIDE DOCK LEVEL
E-36	LIGHTING AND RECEPTACLE PLAN - WEST SIDE MEZZANINE LEVEL
E-37	LIGHTING AND RECEPTACLE PLAN - WEST SIDE SIDEWALK LEVEL
E-38	LIGHTING AND RECEPTACLE PLAN - WEST SIDE OPERATOR'S LEVEL
E-39	POWER PLAN - EAST SIDE DOCK LEVEL
E-40	POWER PLAN - EAST SIDE MEZZANINE LEVEL
E-41	POWER PLAN - EAST SIDE SIDEWALK LEVEL
E-42	POWER PLAN - EAST SIDE OPERATOR'S ROOM LEVEL
E-43	POWER PLAN - WEST SIDE DOCK LEVEL
E-44	POWER PLAN - WEST SIDE MEZZANINE LEVEL
E-45	POWER PLAN - WEST SIDE SIDE WALK LEVEL
E-46	POWER PLAN - WEST SIDE OPERATOR'S ROOM LEVEL
E-47	AUXILIARY SYSTEMS PLAN - EAST SIDE DOCK LEVEL
E-48	AUXILIARY SYSTEMS PLAN - EAST SIDE MEZZANINE LEVEL
E-49	AUXILIARY SYSTEMS PLAN - EAST SIDE SIDEWALK LEVEL
E-50	AUXILIARY SYSTEMS PLAN - EAST SIDE OPERATOR'S ROOM LEVEL
E-51	AUXILIARY SYSTEMS PLAN - WEST SIDE DOCK LEVEL
E-52	AUXILIARY SYSTEMS PLAN - WEST SIDE MEZZANINE LEVEL
E-53	AUXILIARY SYSTEMS PLAN - WEST SIDE SIDEWALK LEVEL
E-54	AUXILIARY SYSTEMS PLAN - WEST SIDE OPERATOR'S ROOM LEVEL
E-55	BRIDGE ROADWAY LIGHTING SIDEWALK LEVEL
E-56	BRIDGE ROADWAY LIGHTING CONDUIT PLAN, EAST SIDE DOCK LEVEL
E-57	BRIDGE ROADWAY LIGHTING CONDUIT PLAN, WEST SIDE DOCK LEVEL
E-58	BRIDGE ROADWAY LIGHTING POLE AND MOUNTING DETAILS
E-59	ELECTRICAL EQUIPMENT ELEVATION - SHEET 1
E-60	ELECTRICAL EQUIPMENT ELEVATION - SHEET 2
E-61	ELECTRICAL EQUIPMENT ELEVATION - SHEET 3
E-62	CONSTRUCTION STAGING TEMPORARY ROADWAY LIGHTING
E-63	CONSTRUCTION STAGING EXISTING AND NEW ROADWAY LIGHTING
E-64	PANEL SCHEDULES
E-65	EXISTING CONDUIT AND WIRE SCHEDULE - EAST SIDE
E-66	EXISTING CONDUIT AND WIRE SCHEDULE - WEST SIDE - SHEET 1
E-67	EXISTING CONDUIT AND WIRE SCHEDULE - WEST SIDE - SHEET 2
E-68	CONDUIT AND WIRE SCHEDULE - SHEET 1
E-69	CONDUIT AND WIRE SCHEDULE - SHEET 2
E-70	CONDUIT AND WIRE SCHEDULE - SHEET 3
E-71	CONDUIT AND WIRE SCHEDULE - SHEET 4
E-72	CONDUIT AND WIRE SCHEDULE - SHEET 5
E-73	CONDUIT AND WIRE SCHEDULE - SHEET 6

DWG No. DESCRIPTION

E-74	BRIDGE OPERATING SEQUENCE BLOCK DIAGRAM - SHEET 1
E-75	BRIDGE OPERATING SEQUENCE BLOCK DIAGRAM - SHEET 2
E-76	CONTROL DESK LAYOUT - SHEET 1
E-77	CONTROL DESK LAYOUT - SHEET 2
E-78	BRIDGE CONTROL BLOCK DIAGRAM - SHEET 1
E-79	BRIDGE CONTROL BLOCK DIAGRAM - SHEET 2
E-80	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 1
E-81	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 2
E-82	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 3
E-83	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 4
E-84	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 5
E-85	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 6
E-86	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 7
E-87	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 8
E-88	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 9
E-89	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 10
E-90	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 11
E-91	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 12
E-92	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 13
E-93	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 14
E-94	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 15
E-95	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 16
E-96	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 17
E-97	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 18
E-98	BRIDGE CONTROL SCHEMATIC DIAGRAM - EASTBOUND, SHEET 19
E-99	EASTBOUND INPUT / OUTPUT POINTS LIST, SHEET 1
E-100	EASTBOUND INPUT / OUTPUT POINTS LIST, SHEET 2
E-101	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 1
E-102	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 2
E-103	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 3
E-104	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 4
E-105	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 5
E-106	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 6
E-107	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 7
E-108	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 8
E-109	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 9
E-110	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 10
E-111	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 11
E-112	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 12
E-113	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 13
E-114	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 14
E-115	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 15
E-116	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 16
E-117	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 17
E-118	BRIDGE CONTROL SCHEMATIC DIAGRAM - WESTBOUND, SHEET 18
E-119	BRIDGE CONTROL WIRING BLOCK DIAGRAM, SHEET 1
E-120	BRIDGE CONTROL WIRING BLOCK DIAGRAM, SHEET 2
E-121	WESTBOUND INPUT / OUTPUT POINTS LIST, SHEET 1
E-122	WESTBOUND INPUT / OUTPUT POINTS LIST, SHEET 2
E-123	BRIDGE CONTROL DETAILS - SHEET 1
E-124	PLC ARCHITECTURE DIAGRAM
E-125	CONDUIT AND WIRE SCHEDULE - SHEET 7

PB Americas, Inc. 230 WEST MONROE STREET, SUITE 900 CHICAGO, IL. 60606	USER NAME = sharma	DESIGNED - A. CENTENO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL ELECTRICAL NOTES SHEET 1			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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