

**SECTION 730 ELECTRICAL SYSTEMS**

MATERIAL	REFERENCE	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS	
	TESTED BY		METHOD		CONTAINER	DISTR.				
ALL ELECTRICAL COMPONENTS & MATERIALS NOT SPECIFICALLY MENTIONED IN THIS SECTION SHALL BE HANDLED IN ACCORDANCE WITH THE REQUIREMENTS FOR ELECTRICAL EQUIPMENT* BELOW.										
ANCHOR BOLTS, NUTS AND WASHERS		730.02 1015.02(c)(1) Mat. Lab	Accept.	Proj. Engr. S 601	1/size/type	1 of each item*	CA 7	-----	11 days	*One of each size and type of bolt, nut and washer is to be submitted.
BACKFILL	Soil or Granular Material	730.02 Dist. Lab	SEE SECTION 701 OF THIS MANUAL.							
CONCRETE (Class M)	Mix Designs, Materials & Tests	730.02	SEE SECTION 901 OF THIS MANUAL.							
CONDUIT		730.02 1018.09 Bridge Design	Accept.	BRIDGE DESIGN APPROVES AND DISTRIBUTES TO PROJ. ENGR.						
ELECTRICAL EQUIPMENT	Brochures, Certified Dimension Sheets & Description Data	730.04 801.03 Bridge Design	Accept.	BRIDGE DESIGN APPROVES AND DISTRIBUTES TO PROJ. ENGR.						
GROUND ROD ASSEMBLY	Ground Rod, Wire & Clamp	730.01 1018.05 Mat. Lab	Accept.	Proj. Engr. S 501	1/item	1 of each item Wire - 18 in. length	-----	-----	9 days	Visual Inspection by Proj. Engr. Sample only if questionable. Coated steel hardware is not permitted.
GUARANTY	Contractor's Guaranty	104.05 Proj. Engr.	Accept.	PROJ. ENGR. AND BRIDGE DESIGN APPROVES AND FILES.						
	Manufacturer's Standard Warranty	104.05 Proj. Engr.	Accept.	PROJ. ENGR. AND BRIDGE DESIGN APPROVES AND FILES.						
HARDWARE (Non-Electrical)		730.02 1018.08(c) Mat. Lab	Accept.	Proj. Engr. S 501	1/size/type/ shipment	2 of each item*	-----	-----	11 days	*Two pieces of each type of hardware used are to be submitted.

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**SECTION 730 ELECTRICAL SYSTEMS (Cont'd)**

MATERIAL		REFERENCE	PURP.	SAMPLED BY	MIN. FREQ.	MIN. QUANT.	CERT.	SMALL QUANTITY	TYPICAL HANDLING TIME	REMARKS
		TESTED BY		METHOD		CONTAINER	DISTR.			
HIGH MAST POLES		730.01 Const. Fab. Insp.	Accept.	INSPECTED, APPROVED AND STAMPED BY CONST. FAB. INSP. PRIOR TO USE. SEE SECTION 807 OF THIS MANUAL.			CA 6	-----	-----	Inspection report from Const. Fab. Insp. shall be sent to the Proj. Engr.
LIGHT POLES	Brochures, Certified Dimension Sheets & Description Data	730.04 801.03 Bridge Design	Accept.	BRIDGE DESIGN APPROVES AND DISTRIBUTES TO PROJ. ENGR.				-----	-----	-----
REINFORCING STEEL	Bars	730.02 1009.01 Mat. Lab*	Accept.	Proj. Engr. S 501	1/size/source**	48 in. length	CA 1	-----	11 days	(QPL 71) *Dist. Lab in Dist. 02. **If listed on QPL 71 material with a CA (Dist. 1) need not be sampled. Sample for verification if questionable.
SYSTEM TESTS		730.06 Contractor	Accept.	-----	-----	-----	-----	-----	-----	Proj. Engr. to observe tests and receive report of test results.
TIMBER		730.02 1014 Mat. Lab/ Const. Fab. Insp.	Accept.	INSPECTED, APPROVED AND STAMPED BY CONST. FAB. INSP. PRIOR TO USE. SEE SECTION 812 OF THIS MANUAL.			CD 1 & 6	-----	11 days	Visual inspection by Proj. Engr.
HARDWARE (NON-ELECTRICAL)		730.02 1018.08(c) Mat. Lab	Accept.	Proj. Engr. S 501	1/size/type/shipment	2 of each item*	-----	-----	11 days	* Two pieces of each type of hardware used are to be submitted.

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