

# GENERAL NOTES

LAK-2-0.00

FHWA REGION	STATE	PROJECT	
5	OHIO		90 171

## 630 SIGN LOCATIONS

SIGN LOCATIONS OF EXISTING AND PROPOSED SIGNS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR PRIOR TO ERECTION OF ALL SIGN SUPPORTS (POST, BEAMS AND OVERHEADS) SHALL STAKE THE PROPOSED LOCATION, INCLUDING OFFSET. OVERHEAD SUPPORT LOCATIONS SHALL ALSO INCLUDE FOUNDATION ELEVATIONS. THE ENGINEER SHALL APPROVE ALL SUPPORT LOCATIONS AND MAY ADJUST THE LOCATION TO CORRECT SLOPE AND SUBSURFACE DIFFICULTIES AND SIGN SIGHT DISTANCE OBSTRUCTIONS, TO IMPROVE SAFETY AND TO ELIMINATE OVERHEAD OBSTACLES.

PAYMENT FOR STAKING SHALL BE INCIDENTAL TO THE VARIOUS SIGN SUPPORT ITEMS.

## 630 PREPARATION AND SHIPMENT OF STORED OVERHEAD SIGN SUPPORT BY TYPE

OVERHEAD SIGN SUPPORTS REMOVED AND STORED UNDER OTHER ITEMS OF WORK SHALL BE PROCESSED AND SHIPPED TO THE DISTRICT 12 MAINTENANCE YARD AT EMERY ROAD AND SR-175 IN WARRENSVILLE HEIGHTS, OHIO.

PROCESSING OF OVERHEAD SIGN SUPPORTS SHALL INCLUDE THE DISMANTLING OF THE SUPPORT INTO EASILY TRANSPORTABLE COMPONENTS. DISMANTLING OF THE SUPPORT SHALL BE CLEARLY IDENTIFIED AND MATCH MARKED USING EMBOSSED METAL TAGS. SUPPORT HARDWARE SUCH AS BOLTS AND NUTS SHALL BE SUITABLY PACKAGED SUCH AS IN BURLAP BAGS AND ATTACHED TO THE SUPPORT COMPONENTS. THE DISTRICT 12 TRAFFIC ENGINEER SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE DELIVERY OF THE SUPPORTS TO THE MAINTENANCE YARD. THE CONTRACTOR SHALL UNLOAD THE OVERHEAD SUPPORTS AT A PLACE DESIGNATED BY THE DISTRICT 12 TRAFFIC ENGINEER AND PLACE THEM ON ADEQUATE WOOD BLOCKS TO KEEP THE SUPPORTS OFF THE GROUND.

PAYMENT WILL BE AT THE CONTRACT UNIT PRICE PER EACH SUPPORT INCLUDING ALL LABOR, EQUIPMENT, WOOD BLOCKS, TRANSPORTATION, AND MISCELLANEOUS MATERIAL NECESSARY TO PERFORM THE WORK.

630 EACH PREPARATION AND SHIPMENT OF OVERHEAD SIGN SUPPORTS, BY TYPE.

## 630 PREPARATION AND SHIPMENT OF STORED SIGNS, BY TYPE

FLATSHEET AND EXTRUSHEET SIGNS REMOVED AND STORED UNDER OTHER ITEMS OF WORK SHALL BE PROCESSED AND SHIPPED TO THE DISTRICT 12 MAINTENANCE YARD AT EMERY ROAD AND SR-175 IN WARRENSVILLE HEIGHTS, OHIO.

PROCESSING OF FLATSHEET SIGNS SHALL INCLUDE THE STACKING AND BANDING TOGETHER OF SIMILAR SIZE SIGNS INTO 150 POUND (MAXIMUM) BUNDLES. BANDING SHALL BE WITH TWO STEEL STRAPS AND CLIPS PLACED PERPENDICULAR TO EACH OTHER. FLATSHEET SIGNS WEIGH APPROXIMATELY 1.25 POUNDS PER SQUARE FOOT. BUNDLES SHALL BE LOADED ONTO PALLETS APPROXIMATELY 4' X 4'. SIGN BUNDLES SHALL ALSO BE Banded TO THE PALLETS. LOADED PALLETS SHALL HAVE A MAXIMUM WEIGHT OF 1000 POUNDS.

PROCESSING OF EXTRUSHEET SIGNS SHALL INCLUDE THE CAREFUL REMOVAL OF ALL DEMOUNTABLE COPY AND THE DISSASSEMBLY OF THE SIGN INTO PANELS NO WIDER THAN 4 FEET. DEMOUNTABLE COPY AND SIGN HARDWARE SHALL BE SUITABLY PACKAGED SUCH AS IN BURLAP BAGS FOR SHIPMENT. EXTRUSHEET PANELS OF SIMILAR LENGTHS SHALL BE Banded TOGETHER INTO A BUNDLE WEIGHING NO MORE THAN 1000 POUNDS. BANDING SHALL BE WITH A MINIMUM OF 2 STEEL STRAPS AND CLIPS AND SHALL BE SPACED NO MORE THAN 5 FEET APART. EXTRUSHEET SIGNS WEIGH APPROXIMATELY 2.25 POUNDS PER SQUARE FOOT. BUNDLES SHALL BE LOADED ONTO WOODEN PALLETS APPROXIMATELY 4' X 4'. SIGN BUNDLES SHALL BE Banded TO THE PALLETS. LOADED PALLETS SHALL HAVE A MAXIMUM WEIGHT OF 1000 POUNDS.

THE DISTRICT 12 TRAFFIC ENGINEER SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE DELIVERY OF THE SIGNS TO THE MAINTENANCE YARD. THE SIGNS SHALL BE TRANSPORTED BY THE CONTRACTOR TO THE MAINTENANCE YARD WHERE THEY WILL BE UNLOADED AND STORED. A FORK LIFT OF 1000 POUND CAPACITY WILL BE PROVIDED BY THE STATE TO THE CONTRACTOR FOR UNLOADING.

PAYMENT WILL BE THE CONTRACT UNIT PRICE PER EACH SIGN INCLUDING ALL LABOR, EQUIPMENT, BANDING MATERIAL, PALLETS, TRANSPORTATION, AND MISCELLANEOUS MATERIAL TO PERFORM THE WORK.

630 EACH PREPARATION AND SHIPMENT OF STORED SIGNS, FLATSHEET.

630 EACH PREPARATION AND SHIPMENT OF STORED SIGNS, EXTRUSHEET.

## 631 REMOVAL OF DISCONNECT SWITCH ENCLOSURE

INCIDENTAL TO THE REMOVAL OF DISCONNECT SWITCH ENCLOSURE, THE DISCONNECT SWITCH AND MOUNTING BRACKET ASSEMBLY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

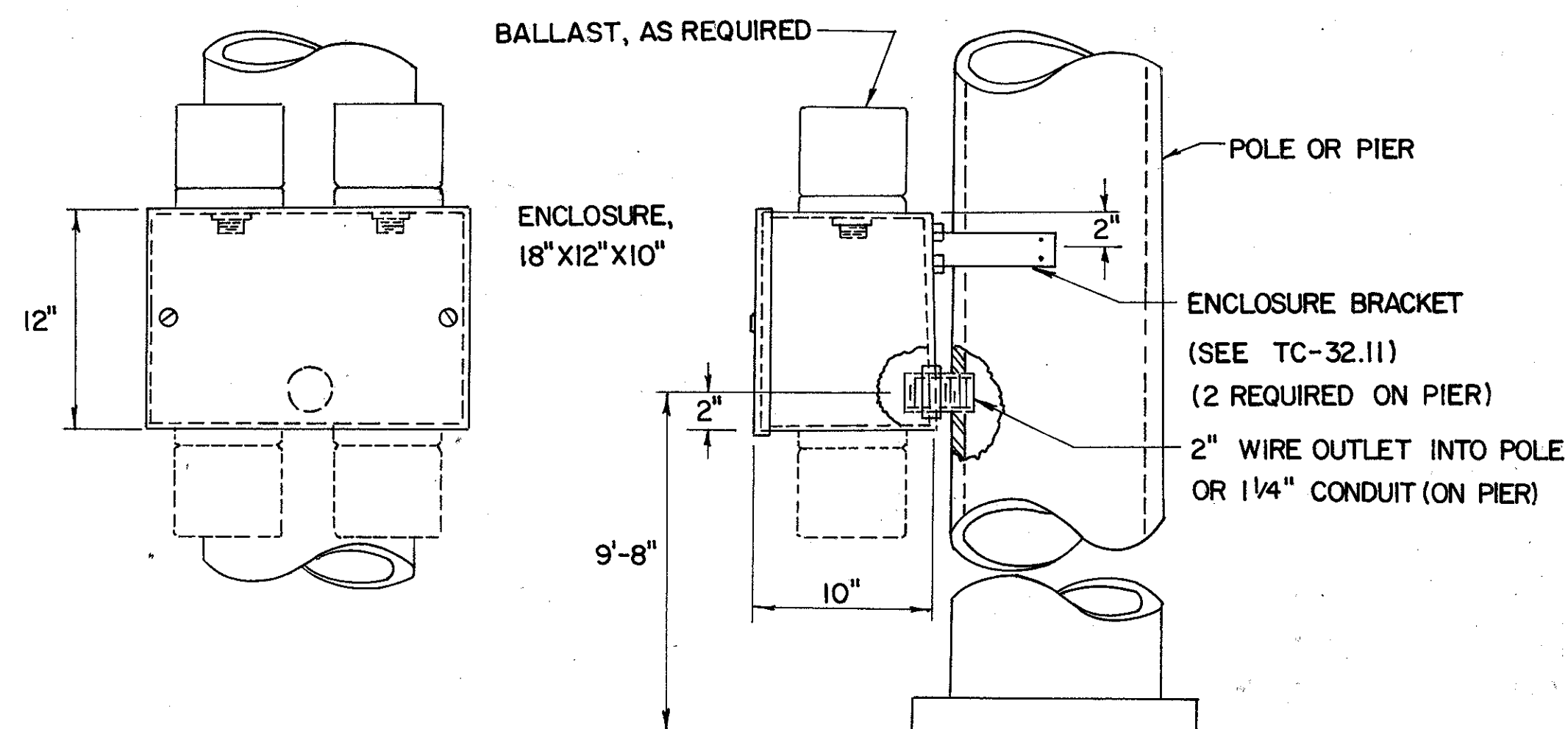
## 631 REMOVAL OF BALLAST WIRING ENCLOSURE

INCIDENTAL TO THE REMOVAL OF BALLAST WIRING ENCLOSURE, THE BALLASTS AND MOUNTING BRACKET ASSEMBLY SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

## 631 REMOVAL OF FLOURESCENT FIXTURES INCLUDING LAMPS

INCIDENTAL TO THE REMOVAL OF FLUORESCENT FIXTURES INCLUDING LAMPS, TRANSFORMERS, WIRING, CONNECTORS, JUNCTION BOXES, CONDUIT, CONDULETS, CONDUIT LAMPS, SUPPORT ARMS, PHOTOELECTRIC CONTROLS AND MISCELLANEOUS HARDWARE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

## BALLAST ENCLOSURE, TYPE B



## 630 OVERHEAD SIGN SUPPORT MODIFICATION, NEW END FRAME SECTION

THE FOLLOWING OVERHEAD SIGN SUPPORTS SHALL BE MODIFIED AS SHOWN IN THE PLANS. THE MODIFICATIONS SHALL CONSIST OF THE ADDITION OF A NEW END FRAME SECTION.

SUPPORT NO.	LOCATION	TYPE	DESIGN NO.	NEW END FRAME SECTION HEIGHT
102	214+49	7.65	8	27'- 6"
121	256+00	7.65	8	30'- 0" MOD
157	300+55	7.65	8	2 • 27'- 6"

PAYMENT SHALL BE AT THE CONTRACT UNIT PRICE FOR ITEM 630-OVERHEAD SIGN SUPPORT MODIFICATION, NEW END FRAME SECTION, BY TYPE, INCLUDING ALL NECESSARY MATERIAL, PARTS, EQUIPMENT AND LABOR.

## 630 OVERHEAD SIGN SUPPORT MODIFICATION, NEW BOX TRUSS SECTION

THE FOLLOWING OVERHEAD SIGN SUPPORTS SHALL BE MODIFIED AS SHOWN IN THE PLANS. THE MODIFICATIONS SHALL CONSIST OF THE ADDITION OF A NEW BOX TRUSS SECTION ATTACHED TO THE CENTER OF THE EXISTING SPAN.

SUPPORT NO.	LOCATION	TYPE	DESIGN NO.	NEW BOX TRUSS SECTION LENGTH
7	104+90	7.4	1	16 FT.
102	214+49	7.5	4	3 FT.
121	256+00	7.6	4 MOD.	8 FT.
157	300+55	7.6	4	2 FT.

PAYMENT SHALL BE AT THE CONTRACT UNIT PRICE FOR ITEM 630-OVERHEAD SIGN SUPPORT MODIFICATION, NEW BOX TRUSS SECTION, BY TYPE, INCLUDING ALL NECESSARY MATERIAL, PARTS, EQUIPMENT AND LABOR.

## FORMER CONSTRUCTION PLANS

FOR EXISTING SIGNING DETAILS REFER TO APPLICABLE PLANS LISTED BELOW:

COUNTY, ROUTE & SECTION	FEDERAL NO.	PROJECT NO.
CUY/LAK-90-28.54/0.00	I-90-1 (59) 33	305-65
CUY/LAK-271-6.00/0.00	I-271-6 (26) 248	
LAK-2-0.02		

COPIES OF THESE PLANS ARE AVAILABLE FOR REFERENCE THROUGH DISTRICT 12 OF THE OHIO DEPARTMENT OF TRANSPORTATION.

## PROTECTIVE COATING OF OVERHEAD SIGN SUPPORT SECTIONS, GENERAL

OVERHEAD SIGN SUPPORTS CAN BE SEPARATED INTO MAJOR SECTIONS SUCH AS END FRAMES, TRUSSES, VERTICAL POLES, AND CANILEVER ARMS. FOR THE IMPLEMENTATION OF THIS WORK ITEM IT WILL BE BENEFICIAL TO REFER TO THE MAJOR SECTIONS OF THE OVERHEAD SIGN SUPPORTS RATHER THAN THE WHOLE SUPPORT. MORE SPECIFIC INSTRUCTIONS AND FLEXIBILITY CAN BE GIVEN BASED UPON THE UNIT OF MEASURE AND PAYMENT PER MAJOR SUPPORT SECTION.

THE PROTECTIVE COATING OF OVERHEAD SIGN SUPPORT SECTIONS SHALL BE A FOUR PART PROCESS TO INCLUDE SURFACE PREPARATION FOLLOWED BY A THREE STEP COATING SYSTEM. THIS THREE STEP COATING SYSTEM SHALL CONSIST OF AN EPOXY-PRIME COAT, AN EPOXY INTERMEDIATE COAT, AND AN URETHANETOP COAT, WITH EACH COAT A DIFFERENT COLOR. FOR AN EXPLANATION OF THE MATERIALS TO BE USED SEE NOTE ENTITLED "COATING SYSTEM." THE PURPOSE OF THIS COATING IS TO PROVIDE PROTECTION FOR NEW, UNWEATHERED, GALVANIZED STEEL SUPPORT SECTIONS OR EXISTING, WEATHERED, GALVANIZED SUPPORT SECTIONS FROM CORROSIVE ELEMENTS IN THE ATMOSPHERE. THIS PROCESS WILL BE CONSIDERED REFURBISHING FOR EXISTING GALVANIZED SUPPORT SECTIONS TO RENEW THEIR STRUCTURAL STEEL PROTECTION. THE DIFFERENCE BETWEEN THE COATING OF NEW SUPPORT SECTIONS VERSUS EXISTING SUPPORT SECTIONS IS DETAILED IN THE SURFACE PREPARATION. COATING AND SURFACE PREPARATION OF NEW GALVANIZED SUPPORT SECTIONS SHOULD BE DONE BY THE MANUFACTURER.

ANY OVERHEAD SIGN SUPPORT SECTION THAT IS ALUMINUM DOES NOT REQUIRE A PROTECTIVE COATING PROCESS TO BE IMPLEMENTED. THEREFORE, ON THIS PROJECT ALL OVERHEAD TRUSSES ARE ALUMINUM AND DO NOT REQUIRE A PROTECTIVE COATING PROCESS. THE END FRAMES FOR THE TRUSSES ARE STEEL AND DO REQUIRE THE PROTECTIVE COATING PROCESS. SOME SUPPORT SECTIONS ARE EXISTING AND WILL BE REUSED WHILE OTHERS WILL BE PROVIDED NEW. A SUMMARY LIST IS PROVIDED ON SHEET NO. 91.