

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO.	<u>1</u>	DATED	<u>7/18/2025</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____

Number

Description

- 1 Revised Table of Contents; Added NTB No. 7004; SP 907-626-12 replaces SP 907-626-11; SP 907-720-4 replaces SP 907-720-3; Revised Bid Items; Revised or Added Plan Sheet Nos. 2-7, 9, 16, 19-22, 4001-4015; Amendment EBSx Download Required.

TOTAL ADDENDA: 1

(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____

Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

President

Address

Secretary

Address

Treasurer

Address

The following is my (our) itemized proposal.

IM-0006-01(099)/ 108142301000, CRP-0006-01(099)/ 108142301100 & CRP-0006-01(099)/ 108142301200
Pontotoc & Union County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
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PROJECT: IM-0006-01(099)/108142301 - Union
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(REVISIONS TO THE ABOVE WILL BE INDICATED ON THE SECOND SHEET
OF SECTION 905 AS ADDENDA)

07/18/2025 07:32 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 7004

CODE: (SP)

DATE: 07/18/2025

SUBJECT: Pay Item Number Corrections

PROJECT: IM-0006-01(099) / 108142301 – Union County
CRP-0006-01(099) / 1081423011 – Union County
CRP-0006-01(099) / 1081423012 – Pontotoc Counties

Bidders are hereby advised that the following pay items have been revised from what is shown on the plan Summary of Quantities, but is correctly shown on the bid items:

Pay Item No.	Description	Plan Quantity	Revised Quantity
221-A001	Concrete Paved Ditch	15 CY	2 CY
605-O002	4" Perforated Sewer Pipe for Underdrains, SDR 23.5	5,200 LF	780 LF
605-P002	4" Non-perforated Sewer Pipe for Underdrains, SDR 23.5	500 LF	75 LF
605-W001	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM	385 CY	58 CY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-626-12

CODE: (IS)

DATE: 06/17/2025

SUBJECT: Thermoplastic Traffic Markings

Section 626, Thermoplastic Traffic Markings, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

Delete Section 626 on pages 492 thru 496, and substitute the following.

SECTION 626 - THERMOPLASTIC TRAFFIC MARKINGS

907-626.01--Description. This work consists of furnishing materials and placing thermoplastic pavement markings of the type specified in conformity with these specifications and the details shown on the plans or established. All hot-applied thermoplastic pavement markings shall be coated with a double-drop combination of optics.

This work may also consist of placing an audible bump or puck style marking system on the edge line that provides an audible and vibratory warning when driven over. The marking system shall be a road marking system of the dimensions indicated at regular and predetermined intervals.

This work may also consist of placing a profile or raised shape marking system on centerline or edge line that provides audible and vibratory warning when driven over. The marking system shall be a road marking system of the dimensions indicated and at regular and predetermined intervals. When placed on centerline, the markings system shall consist of an extruded black transverse thermoplastic bar of the dimensions indicated at regular and predetermined intervals.

This work may also consist of placing high contrast thermoplastic markings. High contrast thermoplastic markings shall consist of placing thermoplastic pavement markings over a black thermoplastic pavement marking to enhance the marking's visibility.

All pavement marking material, excluding lines over rumble strips, shall be applied using the extrusion/ribbon method. Lines placed over rumble strips shall be applied using the atomization/spray method, [unless the extrusion/ribbon method can be demonstrated to perform adequately and is approved by the Engineer.](#)

Permanent pavement marking tape (permanent cold plastic tape) may be used in lieu of hot applied thermoplastic markings. Substitution will only be allowed for pay items 907-626-A through H. Substituted pavement marking tape shall be of the same color and width as that required for the hot applied thermoplastic. Unless otherwise specified, the markings, whether hot applied or pavement marking tape, shall be of the same type of material for the entire project. Stop bars and crosswalks shall not be substituted with pavement marking tape and shall be alkylid hot-applied thermoplastic markings or heat-fused preformed pavement markings. Material and construction

requirements for substituted pavement marking tape shall meet the requirements of Special Provision 907-628. The layout and spacing for substituted pavement markings will remain as shown in the plans, or in the contract documents, for hot applied thermoplastic markings. Measurement of adhesive substituted pavement markings shall be made in accordance with Special Provision 907-628. Payment for adhesive substituted pavement markings shall be made at the unit price for the appropriate hot applied thermoplastic marking.

When thermoplastic pavement markings are used on bridge decks or concrete surfaces, the surface shall be sealed with an epoxy sealer prior to the application of thermoplastic.

907-626.02--Materials. All pavement marking materials shall meet the requirements of Special Provision 907-720.

907-626.02.1--Audible Bumps. Audible bumps shall have a profile such that the leading and trailing edges are sloped at a sufficient angle to create an audible and vibratory warning.

Audible bumps shall be at least 0.45 inches above the pavement surface at the highest point of the bump. The height shall be measured after the application of drop-on material. The bumps shall have a minimum dimension of two and one-half inches (2½") in both transverse and longitudinal directions. The bumps may have a drainage channel. The width of each drainage channel shall not exceed one-quarter of an inch (¼") at the bottom of the channel.

907-626.02.2--Audible Transverse Bars. The length of transverse bars is the measurement lateral to the direction of travel, also known as transverse width. The width of transverse bars is the measurement parallel to the travel way.

Transverse bars on centerline shall have a length of 10 inches, a width of three inches (3"), and a height of 350 mils. Transverse bars on centerline shall be placed on 2-foot centers through no-passing zones and 5-foot centers through passing zones. Transverse bars on centerline shall be placed in advance of permanent thermoplastic markings.

Transverse bars on edge lines shall have a length of six inches (6"), a width of three inches (3"), and a height of 350 mils. Transverse bars on edge lines shall be placed on 2-foot centers. Tolerance for the longitudinal and transverse measurements shall be one quarter of an inch (¼") and the tolerance for height shall be 50 mils. The above dimensions are based on 6-inch strip application.

Thermoplastic material for edge line transverse bars shall be as specified on the Plans and meet the requirements of Special Provision 907-720 or as specified on the plans. Thermoplastic material for centerline transverse bars shall be black and shall meet the requirements of Special Provision 907-720.

907-626.02.3--High Contrast Markings. High contrast markings shall be black with the pertinent marking color overlaid on top and shall meet the requirements of Special Provision 907-720.

907-626.03--Construction Requirements.

907-626.03.1--Equipment. Equipment for hot application shall be of sufficient size and stability to ensure smooth, uniform, properly aligned markings of the dimensions specified. The equipment shall be suitably equipped for heating and controlling the flow of the material. The equipment shall be constructed to provide continuous mixing and agitation of the material. The conveying parts of the equipment, between the main material reservoir and applicator, shall be so constructed as to prevent accumulation and clogging. The equipment shall be constructed so that all mixing and conveying parts, up to and including the applicator, maintain the material at the plastic temperature. The thermoplastic material shall be dispensed at a temperature recommended by the manufacturer. The applicator shall include a cutoff device remotely controlled to provide clean, square stripe ends and to provide a method for applying skip lines. The thermoplastic reservoir shall be insulated and equipped with an automatic thermostatic control to maintain the proper temperature of the material.

The application equipment shall be capable of automatic placement of intermittent and continuous line patterns in single or double line applications simultaneously. The intermittent timer mechanism shall provide a variable ratio of materials applied and variable cycle length such that accurate placement of new patterns, or replacement of existing patterns can be achieved.

The equipment shall also be capable of applying the top dressing of optics (beads) in a manner that firmly embeds them into the surface of the thermoplastic material for at least one half of the diameter of the larger gradation sizes of the optics. The dispensing equipment shall be equipped with an automatic cut-off control for the application of the optics that is synchronized with the cut-off of the thermoplastic material.

Optics applied to the surface of the completed stripe shall be applied by an automatic dispenser attached to the pavement marking equipment in such a manner that the optics are immediately dispensed upon the completed line. The dispenser shall be equipped with an automatic cutoff control, synchronized with the cutoff of the pavement marking equipment. The double-drop optics as defined in 907-720 shall be automatically applied at a uniform rate to achieve the minimum retroreflectivity requirements of 907-626.

907-626.03.2--Construction Details. The thermoplastic compound shall be screed or ribbon extruded to the pavement surface. Heat-fused, pre-formed pavement markings shall be fusible to asphalt surfaces by means of the normal heat of a propane weed-burner type of torch or other heating device as recommended by the manufacturer. Heat-fused, pre-formed pavement markings shall be instantly highly reflective without the application of additional optics.

Thermoplastic markings shall not be applied to the pavement surface when the pavement surface temperature is less than 55°F. The pavement surface shall be dry, to the satisfaction of the Engineer, before application will be permitted. Unless otherwise specified by the manufacturer, thermoplastic pavement marking material shall be applied to the surface between 400°F and 450°F with a recommended application temperature being 420°F.

Immediately before application, all areas to be marked shall be thoroughly cleaned. Cleaning may be done by rotary brooms, air blast, scrapers, or whatever combination of equipment is necessary to clean the pavement thoroughly without damage to the pavement surface. On areas of pavement

cured with compound, the membrane shall be removed completely by shot blasting, sand blasting or other approved method. Before edge striping, particular care shall be taken to remove all vegetation, loose soil, and the like from the area to be marked. Should other methods fail, the surface shall be wetted with a water jet and scrubbed as necessary to dislodge all foreign material. After washing, the surface shall be allowed to dry thoroughly, and all films of dried mud apparent after surface drying shall be removed before application of markings. Marking shall follow as closely as practicable after the surface has been cleaned and dried, but no markings shall be applied until the surface has been inspected and permission given to proceed. The cost for preparing the surface shall be included in the contract unit prices for the marking items.

Unless otherwise directed by the Engineer, traffic stripes that are conflicting with the thermoplastic stripe shall be removed prior to placement of the thermoplastic material. Removal of pavement markings shall be done by a means that will not gouge the surface of the pavement in a manner that requires patching to ensure the integrity of the pavement. Temporary paint stripe may be left in place when satisfactorily placed in the proper location. Any temporary stripe not covered shall be removed. Payment for removal of stripe, except temporary stripe, will be made under Section 202.

On newly constructed asphalt pavements, any sand, grit, or other surface contaminants shall be removed using compressed air and/or sweeping. Water blasting may be necessary to remove surface contaminants which cannot be removed by the use of compressed air and/or sweeping. This work is considered surface preparation.

The finished lines shall have well defined edges and the thickness of thermoplastic markings above the roadway surface shall be no less than 90 mils for edge lines, center lines, lane lines, barrier lines, and detail stripe including gore markings, and no less than 120 mils for crosswalks, stop lines, and railroad, word and symbol markings. The minimum thickness, as required above, will be measured in the center of the line when gauged. The minimum thickness one-half inch ($\frac{1}{2}$ ") from the edges shall not be less than 75% of the thickness required in the center.

Any thermoplastic traffic marking less than the required thickness shall be corrected by recapping at no additional costs to the Department. Although a thickness tolerance of 25 percent from center to edge is allowed, a consistent underrun of any amount in thickness as determined by the Engineer will not be acceptable.

The length and width of lines shall be within a tolerance of ± 3 inches and $\pm 1/8$ inch, respectively. For skip markings, the tolerance for intervals shall not exceed the line length tolerance. On curves, unsightly variations from the normal curvature will not be permitted unless specifically shown on the plans or ordered by the Engineer.

Heat-fused, pre-formed pavement markings shall be supplied with a minimum average thickness of 90 mils before application on the roadway surface.

All newly applied thermoplastic material shall be protected from traffic until the material is sufficiently dry so as not to sustain damage from vehicle tires. Any material so damaged by traffic shall be repaired, and the thermoplastic material tracked onto the pavement shall be removed and

replaced.

907-626.03.3--Reflectivity Requirements. The longitudinal pavement markings shall meet the following retroreflectivity values when measured within 10 to 30 calendar days of placement, after removing loose beads.

Table 1. Minimum Dry Retroreflectivity

Color	All Stripe without Rumble mcd/m ² /lx	Rumble Stripe mcd/m ² /lx
White	375	250
Yellow	225	150

For projects with less than two miles between the BOP and EOP, retroreflectivity measurements will not be required.

907-626.03.3.1--Measuring Devices. Retroreflectivity measurements are required to be taken using a vehicle mounted mobile retroreflectometer using 30-meter geometry with video and mapping capabilities as per AASHTO T-398. The retroreflectometer and operator shall be certified by the manufacturer, authorized representative of the manufacturer, or an MDOT approved program such as the Texas A&M Transportation Institute (TTI) Mobile Retroreflectometer Certification Program. The Contractor shall provide copies of current certifications for the operator(s) and the device(s) to the Engineer.

907-626.03.3.2--Acceptance Procedure. Averages of the mobile measurements shall be provided for every 0.1 miles unless otherwise specified or approved. Take measurements on each section of roadway for each series of markings (i.e., edge line, center skip line, each line of a double line, etc.) and for each direction of traffic flow. Measure each line in both directions for centerlines on two-way roadways (i.e., measure both double solid line in both directions and measure all center skip lines in both directions). Furnish measurements in compliance with the below requirements. Use all equipment in accordance with the manufacturer's recommendations and directions. Inform the Engineer at least 24 hours before taking any measurements.

A marking meets the retroreflectivity requirements if:

- The combined average retroreflectivity value for a one-mile segment meets the minimum retroreflectivity values specified, and
- Within the one-mile segment, no more than three consecutive 0.1 mile intervals shall have an average retroreflectivity value below the minimum required value.

The one-mile segment will start from the beginning of the data collection and end after a mile worth of measurements have been taken; each subsequent mile of measurements will be a new segment. If the remainder is 0.5 miles or less, it shall be included in the previous mile segment, otherwise the remaining segment of greater than 0.5 mile shall be its own segment. Centerlines with 2 stripes (either solid or broken) will result in 2 miles of data for each mile segment. Each centerline stripe must be tested for compliance as a stand-alone stripe.

The Contractor may elect to restripe with a minimum of 0.060 in. (60 mils) at no cost to the Department each one-mile segment that failed to meet the minimum retroreflectivity requirements.

Measurements shall be retaken within 10 to 30 calendar days after the second application for the mile segment for that series of markings. If the markings do not meet minimum retroreflectivity after the second application, the Engineer may require removal of all existing markings, a new application as initially specified, and a repeat of the application process until minimum retroreflectivity requirements are met.

907-626.03.3.3--Mobile Retroreflectivity Data Collection. Mobile Retroreflectivity Data Collection (MRDC) shall be conducted on dry pavement only and when the ambient air temperature is greater than 40°F. Data shall be submitted to the Engineer no later than 3 working days after the day the data is collected. Submit all raw data collected in addition to all other data submitted. Provide data files in Microsoft Excel format or a format approved by the Engineer. The data file and video must contain the following information.

907-626.03.3.3.1--Data File. Data files shall be provided with the following:

- Date;
- District;
- County;
- Name of mobile retroreflectometer operator;
- Route number with reference markers or other reference information provided by the Engineer to indicate the location of beginning and end data collection points on that roadway;
- Cardinal direction;
- Line type (single solid, single broken, double solid, etc.);
- Line color;
- File name corresponding to video;
- Data for each centerline listed separately;
- Average reading taken for each 0.1-mi. interval (or interval designated by the Engineer);
- Accurate GPS coordinates (within 20 ft.) for each interval;
- Color-coding for each interval indicating passing or failing, unless otherwise directed by the Engineer (passing and failing thresholds provided by the Engineer);
- Graphical representation of the MRDC (y-axis showing retroreflectivity and x-axis showing intervals) corresponding with each data file;
- Distance in miles driven while measuring the pavement markings;
- Event codes (pre-approved by the Engineer) indicating problems with measurement;
- Upper validation threshold (may be included separately with the raw data but must be clearly identified with the data collected using that threshold).

907-626.03.3.3.2--Map. A map shall be provided in an electronic format approved by the Engineer with each MRDC submission that includes the following information:

- Date;
- District number;
- County;

- Color-coded 1-mi. intervals (or interval length designated by the Engineer) for passing and failing retroreflectivity values or retroreflectivity threshold values provided by the Engineer; and
- Percentage of passing and failing intervals, if required by the Engineer.

907-626.03.3.3--Video. A high-quality video file shall be provided with the following information:

- Date and corresponding data file name on label;
- District number;
- County;
- Route number with reference markers or other designated reference information to indicate the location of beginning and end collection points on that roadway; and
- Retroreflectivity values presented on the same screen with the following information:
 - Date;
 - Location;
 - Starting and ending mileage;
 - Total miles;
 - Retroreflectivity readings; and
 - Upper validation thresholds (may be included separately with the raw data but must be clearly identified with the data collected using that threshold).

907-626.03.4--Reflectivity Verification Testing. The Engineer or a third party may perform retroreflectivity verification testing on any project. At a minimum, each Contractor performing work for the Department will be verified on an annual basis. The Contractor-submitted retroreflectivity data will be compared to the verification test data to determine acceptability of the Contractor's mobile retroreflectometer data. Comparison of the data will result in one of the two scenarios below:

- Contractor's Data is Validated – If the difference between Contractor's and Engineer/third party data is 20% or less, then the Contractor's data is validated. The Contractor's data will be used for acceptance.
- Contractor's Data is not Validated – If the difference between the Contractor's and Engineer/third party data is more than 20%, then the Contractor's data is not validated. The Engineer/third party data will be used for acceptance and the Contractor will be required to take corrective action prior to additional Contractor data collection and may require re-certification of the mobile retroreflectometer.

907-626.04--Method of Measurement. Thermoplastic stripe completed in accordance with the plans and specifications will be measured by the mile or by the linear foot, as indicated, from end-to-end of individual stripes. In the case of skip lines the measurement will include skip intervals. The length used to measure centerline, lane lines, and edge stripes will be the horizontal length computed along the roadway.

Detail traffic stripe will be measured by the linear foot from end-to-end of individual stripes. Measurements will be made along the surface of each stripe and will exclude skip intervals where

strips are specified. Stripes more than six inches (6") in width will be converted to equivalent lengths of 6-inch stripe.

Hot-applied legend, which is to include railroad markings, pedestrian crosswalks, and stop lines, will be measured by the square foot or linear foot. Pay areas of individual letters and symbols will usually be shown on the plans and measured by the square foot. Transverse railroad bands, pedestrian crosswalks and stop lines will generally be measured by the linear foot, in which case, stripes more than six inches (6") in width will be converted to equivalent lengths of 6-inch widths.

Pre-formed legend which is to include railroad markings and pedestrian crosswalks will be measured and paid for by each.

The length measured for thermoplastic audible bump edge stripe will not include the permanent thermoplastic edge stripe. Permanent thermoplastic edge stripe will be measured for payment under a separate pay item.

Thermoplastic audible bar centerline skip stripe will be measured by the linear foot or mile. Measurements will be made along the surface from end-to-end of the stripe and will include skip intervals. The length used to measure audible bar centerline stripe will be the horizontal length computed along the roadway. The length measured for thermoplastic audible bar centerline skip stripe will not include the permanent centerline continuous or skip stripe. Permanent centerline continuous and skip stripe will be measured for payment under separate pay items.

Thermoplastic audible bar edge stripe will be measured by the linear foot or mile. Measurements will be made along the surface from end-to-end of the stripe. The length used to measure thermoplastic audible bar edge stripe will be the horizontal length computed along the roadway. The length measured for thermoplastic audible bar edge stripe will not include the permanent thermoplastic edge stripe. Permanent thermoplastic edge stripe will be measured for payment under a separate pay item.

907-626.05--Basis of Payment. Thermoplastic traffic markings will be paid for at the contract unit price per mile, linear foot, square foot or each as applicable. Any deductions for non-satisfactory material test results will be made after final testing has been performed.

Payment will be made under:

907-626-A:	6" Thermoplastic Traffic Stripe, Skip White	- per linear foot or mile
907-626-B:	6" Thermoplastic Traffic Stripe, Continuous White	- per linear foot or mile
907-626-C:	6" Thermoplastic Edge Stripe, Continuous White	- per linear foot or mile
907-626-D:	6" Thermoplastic Traffic Stripe, Skip Yellow	- per linear foot or mile
907-626-E:	6" Thermoplastic Traffic Stripe, Continuous Yellow	- per linear foot or mile

907-626-F:	6" Thermoplastic Edge Stripe, Continuous Yellow	- per linear foot or mile
907-626-G:	Thermoplastic Detail Stripe, Color *	- per linear foot
907-626-H:	Thermoplastic Legend, Color *	- per linear foot, square foot, or per each
907-626-Q:	Thermoplastic Audible Bump Edge Stripe	-per linear foot or mile
907-626-R:	Thermoplastic Detail Audible *** Stripe, Color **,	-per mile
907-626-AA:	6" High Contrast Thermoplastic Traffic Stripe, Skip White	- per linear foot or mile
907-626-BB:	6" High Contrast Thermoplastic Traffic Stripe, Continuous White	- per linear foot or mile
907-626-CC:	6" High Contrast Thermoplastic Edge Stripe, Continuous White	- per linear foot or mile
907-626-DD:	6" High Contrast Thermoplastic Traffic Stripe, Skip Yellow	- per linear foot or mile
907-626-EE:	6" High Contrast Thermoplastic Traffic Stripe, Continuous Yellow	- per linear foot or mile
907-626-FF:	6" High Contrast Thermoplastic Edge Stripe, Continuous Yellow	- per linear foot or mile
907-626-GG:	High Contrast Thermoplastic Detail Stripe, Color *	- per linear foot
907-626-HH:	High Contrast Thermoplastic Legend, Color *	- per linear foot, square foot, or each

* Indicate Blue - ADA if applicable

** Indicate White or Black

*** Indicate Centerline - Passing Zone, Centerline - No-Passing Zone, or Edge Line

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-720-4

CODE: (IS)

DATE: 06/17/2025

SUBJECT: Pavement Marking Materials

Section 720, Pavement Marking Materials, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

Delete Section 720 on pages 840 thru 854, and substitute the following.

SECTION 720 - PAVEMENT MARKING MATERIALS

907-720.01--General. The Department reserves the right to perform sampling and testing of any materials at any time. Upon request of the Engineer, samples of the material shall be furnished.

907-720.02--Color Requirements. All pavement markings except raised pavement markers are required to meet the color requirements of ASTM D6628.

907-720.03--Optics. Optics used in thermoplastic pavement markings shall consist of a double-drop system of glass beads or advanced optics.

907-720.03.1--Glass Beads. The manufacturer shall furnish the Engineer with a certified test report indicating that the glass beads meet AASHTO M 247. AASHTO Type 4 beads shall be applied to the newly placed stripe first, followed by the application of AASHTO Type 1 or Type 2 beads. Type 1, 2, and 4 glass beads shall be transparent, clean, colorless glass, smooth and spherically shaped, free from milkiness, pits, or excessive air bubbles. Type 1, 2, and 4 glass beads shall be coated with a bead coating that is compatible with the traffic marking material to which the glass beads will be applied and will provide adequate moisture proofing, increased adhesion, and optimum embedment of the glass beads.

907-720.03.1.1—Acceptance Procedure. The Contractor shall furnish the Engineer with a copy of the manufacturer's certified test reports for the lot(s) of materials from which the shipment originated. The test report shall show all the test results for the material properties and characteristics as specified herein. The test report shall state that the material represented by the test results meets all the requirements of the contract. It shall be the Contractor's responsibility to furnish the manufacturer's test report to the Engineer for each shipment of material to the project.

Acceptance sampling and testing will be in accordance with the Materials Division Inspection, Testing, and Certification Manual (Materials Manual).

907-720.03.2--Advanced Optics. Advanced optics are materials that do not meet the specific requirements of AASHTO M 247 but produce a final drop-on optics system that meets or exceeds the reflectivity requirements in Special Provision 907-626. Advanced optics shall be a double-

drop system that is pre-approved and listed on the Department's Approved Products List.

907-720.03.2.1—Acceptance Procedure. The Contractor shall furnish the Engineer with a copy of the manufacturer's certified test reports for the lot(s) of materials from which the shipment originated. The test report shall show all the test results for the material properties and characteristics as specified herein. The test report shall state that the material represented by the test results meets all the requirements of the contract. It shall be the Contractor's responsibility to furnish the manufacturer's test report to the Engineer for each shipment of material to the project.

Acceptance sampling and testing may be conducted at the request of the Engineer.

907-720.04--Thermoplastic Marking Material. Thermoplastic marking material shall meet the color requirements of Subsection 907-720.02.

There shall be no obvious change in the color of the material if held at its plastic temperature for a period of four (4) hours nor by reason of four (4) re-heatings to its plastic temperature.

The pavement markings shall maintain its original dimension and placement. The material shall not be slippery when wet and it shall not lift from the pavement in freezing weather.

907-720.04.1--Extruded Thermoplastic Material. Extruded thermoplastic pavement marking material shall meet the requirements of AASHTO M 249, and shall meet the requirements of 907-720.04 with the following exceptions:

- Blue - ADA thermoplastic marking material shall meet the requirements of Subsection 907-720.04.2 with the exception that the color shall be Blue – ADA, and the Contractor may use hot applied thermoplastic materials meeting the satisfaction of the Engineer.

907-720.04.2--Spray-Applied Thermoplastic Material. Spray-applied thermoplastic pavement marking material shall meet the requirements of AASHTO M 249 and shall meet the requirements of 907-720.04.

907-720.04.3--Pre-formed Thermoplastic Material. Heat-fused, pre-formed thermoplastic pavement marking material shall meet the color requirements of 907-720.02.

907-720.04.4—Acceptance Procedure. The Contractor shall furnish the Engineer with a copy of the manufacturer's certified test reports for the lot(s) of materials from which the shipment originated. The test report shall show all the test results for the material properties and characteristics as specified herein. The test report shall state that the material represented by the test results meets all the requirements of the contract. It shall be the Contractor's responsibility to furnish the manufacturer's test report to the Engineer for each shipment of material to the project.

907-720.05--Pavement Marking Tape. Pavement marking tape shall be listed on the Department's Approved Lists.

907-720.05.1—Cold Plastic Pavement Markings (Permanent Pavement Marking Tape). Pavement marking tape for use in roadway applications shall be designated on the Department's Approved Lists as permanent.

The prefabricated markings described shall consist of white or yellow pigmented plastic films with reflective optics uniformly distributed throughout their entire cross-sectional area, and be capable of being affixed by either a pressure sensitive pre-coated adhesive or a liquid contact cement. The markings shall be provided complete in a form that will facilitate rapid application and protect the markings in shipment and storage. The manufacturer shall identify proper solvents and/or adhesives to be applied at the time of application, all equipment necessary for proper application, and recommendations for application that will assure an effective performance life.

Prefabricated legends and symbols shall conform to the applicable shapes and sizes as outlined in the current "Manual on Uniform Traffic Control Devices."

907-720.05.1.1--Specific Requirements. Unless otherwise indicated on the plans, the patterned material without adhesive shall have a minimum caliper of 0.065 inch at the thickest portion of the patterned cross-section and a minimum caliper of 0.020 inch at the thinnest portion of the cross-section. The material shall be a pliant polymer film with 50±15% of the surface are raised and presenting a near vertical face angle of 0° to 60° to traffic from any direction. The channels between the raised areas shall be substantially free of exposed optics or particles.

The size and quality of the optics will be such that performance requirements of Subsection 907-720.02 for the retroreflective pliant polymer film shall be met. The pigments shall be selected and blended to provide a marking film that is white or yellow conforming to the performance requirements of Subsection 907-720.02 through the expected life of the film.

907-720.05.1.2--Conformability and Resealing. The marking shall be capable of conforming to pavement contours, breaks, faults, etc. through the action of traffic at normal pavement temperatures.

The marking shall have resealing characteristics that allows it to be capable of fusing with itself and previously applied marking of the same composition under normal conditions of use. The marking shall be capable of use for patching worn areas of the same type in accordance with manufacturer's instructions.

907-720.05.1.3--Tensile Strength and Elongation. The material shall have a minimum tensile strength of 40 pounds per square inch of cross section when tested according to ASTM D 638. A 6-inch x 1-inch x 0.06-inch sample shall be tested at a temperature between 70°F and 80°F using a jaw speed of 12 inches per minute.

The material shall have a minimum elongation of 75% at break when tested according to ASTM D 638 using a jaw speed of 12 inches per minute.

907-720.05.1.4--Skid Resistance. The surface of the material shall provide a minimum skid resistance value of 45 BPN when tested according to ASTM E 303 except values will be taken at

downweb and at a 45-degree angle from downweb. These two values will then be averaged to find the skid resistance of the patterned surface.

907-720.05.1.5--Effective Performance Life and Warranty. When applied according to the recommendations of the manufacturer the pavement marking tape shall provide a neat and durable marking that will not flow or distort due to temperature if the pavement surface remains stable. The film shall be weather resistant and through normal traffic wear shall show no appreciable fading, lifting, or shrinkage throughout the useful life of the marking, nor shall it show significant tearing, roll back, or other signs of poor adhesion.

All manufacturer's standard warranties and guarantees on pavement marking tape, which are provided as customary trade practice, shall be delivered to the Engineer at the final inspection. All warranties and guarantees shall be made out to the Department.

907-720.05.1.6—Acceptance Procedure. The Contractor shall furnish the Engineer with a copy of the manufacturer's certified test reports for the lot(s) of materials from which the shipment originated. The test report shall show all the test results for the material properties and characteristics as specified herein. The test report shall state that the material represented by the test results meets all the requirements of the contract. It shall be the Contractor's responsibility to furnish the manufacturer's test report to the Engineer for each shipment of material to the project.

Acceptance sampling and testing will be in accordance with the Materials Division Inspection, Testing, and Certification Manual (Materials Manual). Samples of the material shall be furnished and shall be provided at no cost to the State.

907-720.05.2--Preformed Pavement Markings for Construction Zones. Preformed pavement markings for construction zones shall be designated Department's Approved Lists as temporary. Retroreflective preformed pavement markings for construction zones shall be as specified on the plans or in the contract documents.

The markings shall be provided in specified widths and shapes. Preformed words and symbols shall conform to the applicable shapes and sizes as outlined in the current "Manual on Uniform Traffic Control Devices for Streets and Highways," or as modified.

The materials shall be packaged in accordance with accepted commercial standards and when stored indoors in a cool dry place, shall be suitable for use one year after date of purchase.

907-720.05.2.1--Specific Requirements. Preformed markings shall consist of retroreflective materials on a conformable backing and shall meet the performance requirements of Subsection 907-720.02. The markings shall consist of a mixture of high-quality polymeric materials, pigments, and optics with a reflective layer of optics bonded to the top surface. The markings shall be pre-coated with a pressure sensitive adhesive capable of adhering to pavement in accordance with the manufacturer's instructions without the use of heat, solvents, or other additional adhesives. The markings and/or adhesive shall not require any curing time after application. A coated non-metallic medium shall be incorporated with the pressure sensitive adhesive to facilitate removal.

907-720.05.2.2—Acceptance Procedure. The Contractor shall furnish the Engineer with a copy of the manufacturer's certified test reports for the lot(s) of materials from which the shipment originated. The test report shall show all the test results for the material properties and characteristics as specified herein. The test report shall state that the material represented by the test results meets all the requirements of the contract. It shall be the Contractor's responsibility to furnish the manufacturer's test report to the Engineer for each shipment of material to the project.

907-720.06--Raised Pavement Markers. Pavement markers shall be listed on the Department's Approved Lists and shall conform to ASTM D 4280.

907-720.06.1--Packaging. Shipments shall be made in containers acceptable to common carriers and packaged in such a manner as to ensure delivery in perfect condition. All damaged shipments shall be replaced by the Contractor. Each package shall be clearly marked as to the name of the manufacturer, type, quantity enclosed, lot number, and date of manufacture.

907-720.06.2--Non-Reflective Pavement Markers. Non-reflective pavement markers are occasionally referred to as "jiggle markers". Non-reflective markers consisting of a heat-fired, vitreous, ceramic base, and a heat-fired, opaque, glazed surface are permitted for use; the bottom of the marker shall not be glazed. Ceramic markers shall be produced from any suitable combination of intimately mixed clays, shales, talcs, flints, feldspars, or other inorganic material. Ceramic markers shall be thoroughly and evenly matured, and all non-reflective pavement markers shall be free from defects which affect appearance or serviceability.

Ceramic non-reflective markers shall conform to the following finish and testing requirements in Table 2 below.

Table 2

Ceramic Non-Reflective Marker Requirements	
Glaze Thickness	0.005 inch, minimum
Mohs Hardness	6, minimum
Autoclave	Glaze shall not spall, craze, or peel.
Compressive Strength	750 psi, minimum
Water Absorption	2.0%, maximum

907-720.06.3—Acceptance Procedure. The Contractor shall furnish the Engineer with a copy of the manufacturer's certified test reports for the lot(s) of materials from which the shipment originated. The test report shall show all the test results for the material properties and characteristics as specified herein. The test report shall state that the material represented by the test results meets all the requirements of the contract. It shall be the Contractor's responsibility to furnish the manufacturer's test report to the Engineer for each shipment of material to the project.

907-720.07--Adhesive for Pavement Markers. The adhesive shall be listed on the Department's Approved Lists and shall be an asphaltic material suitable for bonding pavement markers to surfaces when the road surface and marker temperatures are in the range of 50°F to 160°F. The composition of the adhesive must be such that its properties will not deteriorate when heated to and applied at temperatures up to 425°F. Samples may be submitted in the form of an adhesive

testing package from each batch or material obtained from a package shipped to the project.

907-720.07.1--Packaging and Labeling. The adhesive shall be packaged in self-releasing cardboard containers that will stack properly. The label shall show the manufacturer, quantity, and lot or batch number. "Adhesive for Pavement Markers" or "Adhesive for Traffic Markers" shall be printed in bold lettering on the label.

907-720.07.2--Bituminous Adhesive. The asphaltic adhesive material shall be flexible type.

907-720.07.2.1--Flexible Bituminous Adhesive. Flexible bituminous adhesive shall be designated on the Department's Approved Lists as flexible and shall comply with requirements of Table 3 below.

Table 3

Flexible Bituminous Adhesive Properties			
	Min	Max	Test Method
Penetration @ 77°F	-	25	ASTM D 5
Softening Point, °F	200	-	ASTM D 36
Brookfield Viscosity @ 400°F, cp.	-	10,000	ASTM D 3236
Ductility @ 77°F, 5 cm/min	15	-	ASTM D 113
Ductility @ 39.2°F, 1 cm/min	5	-	ASTM D 113
Asphalt Compatibility	Pass		ASTM D 5329
Flexibility @ 20°F	Pass		Per Subsection

907-720.07.3—Acceptance Procedure. The Contractor shall furnish the Engineer with a copy of the manufacturer's certified test reports for the lot(s) of materials from which the shipment originated. The test report shall show all the test results for the material properties and characteristics as specified herein. The test report shall state that the material represented by the test results meets all the requirements of the contract. It shall be the Contractor's responsibility to furnish the manufacturer's test report to the Engineer for each shipment of material to the project.

Acceptance sampling and testing will be in accordance with the Materials Division Inspection, Testing, and Certification Manual (Materials Manual). Samples of the material shall be furnished and shall be provided at no cost to the State.

Mill & Overlay approximately 14 miles of I-22 in Union County from the junction at SR 30 to the Pontotoc County Line, & LED Lighting Upgrades on I-22 at SR 9 North at Blue Springs & at SR 9 South Sherman, known as Federal Aid Project Nos. IM-0006-01(099) / 108142301, CRP-0006-01(099) / 1081423011 & CRP-0006-01(099) / 1081423012 in Union & Pontotoc Counties.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-D001		739	Station	Random Clearing
0020	202-B006		3,733	Square Yard	Removal of Asphalt Paved Shoulders, All Depths
0030	202-B069		18,667	Square Yard	Removal of Concrete Pavement w/ Variable Depth Overlay
0040	202-B240		22,578	Linear Feet	Removal of Traffic Stripe
0050	203-G001	(E)	1,245	Cubic Yard	Excess Excavation, FM, AH
0060	209-A001		1,245	Square Yard	Geotextile Stabilization, Type III
0070	209-A009		18,667	Square Yard	Geotextile Stabilization, Type VII, Non-Woven
0080	221-A001	(S)	2	Cubic Yard	Concrete Paved Ditch
0090	304-A002	(GY)	6,620	Cubic Yard	Granular Material, LVM, Class 3, Group C
0100	406-D001		629,041	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0110	407-A001	(A2)	63,579	Gallon	Asphalt for Tack Coat
0120	423-A001		57	Mile	Rumble Strips, Ground In
0130	503-C010		13,768	Linear Feet	Saw Cut, Full Depth
0140	605-O002	(S)	780	Linear Feet	4" Perforated Sewer Pipe for Underdrains, SDR 23.5
0150	605-P002	(S)	75	Linear Feet	4" Non-perforated Sewer Pipe for Underdrains, SDR 23.5
0160	605-W001	(GY)	58	Cubic Yard	Filter Material for Combination Storm Drain and/or Underdrains, Type A, FM
0170	618-B001		1	Square Feet	Additional Construction Signs [\$10.00]
0180	619-A1001		57	Mile	Temporary Traffic Stripe, Continuous White
0190	619-A1007		4,676	Linear Feet	Temporary Traffic Stripe, Continuous White, Type 1 or 2 Tape
0200	619-A2001		57	Mile	Temporary Traffic Stripe, Continuous Yellow
0210	619-A2008		4,676	Linear Feet	Temporary Traffic Stripe, Continuous Yellow, Type 1 or 2 Tape
0220	619-A3003		57	Mile	Temporary Traffic Stripe, Skip White, Paint
0230	619-A5002		53,333	Linear Feet	Temporary Traffic Stripe, Detail, Paint
0240	619-A6001		2,369	Square Feet	Temporary Traffic Stripe, Legend
0250	619-A6002		3,404	Linear Feet	Temporary Traffic Stripe, Legend
0260	619-F1001		1,260	Linear Feet	Concrete Median Barrier, Precast
0270	619-F2001		16,380	Linear Feet	Remove and Reset Concrete Median Barrier, Precast
0280	620-A001		1	Lump Sum	Mobilization
0290	630-F010		287	Each	Delineators, Post Mounted, Double White
0300	630-F011		74	Each	Delineators, Post Mounted, Double Yellow
0310	630-F012		186	Each	Delineators, Post Mounted, Single White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0320	630-F013		165	Each	Delineators, Post Mounted, Single Yellow
0330	907-204-A003		1,245	Square Yard	Geogrid, Type II, Biaxial
0340	907-402-A002	(BA1)	31,863	Ton	Open Graded Friction Course, 9.5-mm Mixture
0350	907-402-B001	(A3)	32,442	Gallon	Bituminous Tack Coat
0360	907-403-A006	(BA1)	7,393	Ton	19-mm, ST, Asphalt Pavement
0370	907-403-A013	(BA1)	11,245	Ton	9.5-mm, HT, Asphalt Pavement
0380	907-403-S001		86	Mile	Joint Sealant
0390	907-405-A001	(BA1)	42,837	Ton	Stone Matrix Asphalt, 9.5 mm Mixture
0400	907-410-D001	(A2)	32,105	Gallon	Asphalt for Rejuvenating Fog Seal, Grade CMS-1PF
0410	907-618-A001		1	Lump Sum	Maintenance of Traffic
0420	907-619-B001		66	Linear Feet	Temporary Portable Rumble Strips
0430	907-626-A007		28	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
0440	907-626-B004		36	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous White
0450	907-626-E003		34	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0460	907-626-G006		42,860	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
0470	907-626-G007		10,773	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
0480	907-626-H006		2,369	Square Feet	Thermoplastic Double Drop Legend, White
0490	907-626-H007		3,404	Linear Feet	Thermoplastic Double Drop Legend, White
0500	907-627-K001		3,950	Each	Red-Clear Reflective High Performance Raised Markers
0510	907-627-L001		750	Each	Two-Way Yellow Reflective High Performance Raised Markers
0520	907-632-C001		1	Each	Modify Existing Traffic Signal Cabinet Assembly
0530	907-632-D001		1	Each	Solid State Traffic Actuated Controller, Type 1
0540	907-632-G001		1	Each	Malfunction Management Unit
0550	907-641-A002		4	Each	Signal Stop Bar Radar Vehicle Detection Sensor, Type 2
0560	907-641-B002		4	Each	Signal Advanced Radar Vehicle Detection Sensor, Type 2
0570	907-641-D001		3,000	Linear Feet	Radar Vehicle Detection Cable
0580	907-683-G1002		2	Each	Renovation of High Mast Lighting Assembly, Type 130-8-S
0590	907-683-G1003		3	Each	Renovation of High Mast Lighting Assembly, Type 100-6-S
0600	907-683-G1004		2	Each	Renovation of High Mast Lighting Assembly, Type 100-4-S
0610	907-683-G1005		4	Each	Renovation of High Mast Lighting Assembly, Type 130-6-S
0620	907-683-G1009		1	Each	Renovation of High Mast Lighting Assembly, Type 100-8-S
0630	907-683-G1010		10	Each	Renovation of High Mast Lighting Assembly, Type 100-4-A
0640	907-683-G1011		1	Each	Renovation of High Mast Lighting Assembly, Type 120-4-A

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0650	907-683-H1008		11	Each	Renovation of Low Mast Lighting Assembly, Type 40-1-0-200
0660	907-683-H1009		16	Each	Renovation of Low Mast Lighting Assembly, Type 40-1-8-200
0670	907-824-A003		200	Square Feet	General Epoxy Repair
0680	907-906001		520	Hours	Trainees [\$5.00]
ALTERNATE GROUP AA NUMBER 1					
0690	304-F001	(GT)	1,704	Ton	3/4" and Down Crushed Stone Base
ALTERNATE GROUP AA NUMBER 2					
0700	304-F002	(GT)	1,704	Ton	Size 610 Crushed Stone Base
ALTERNATE GROUP AA NUMBER 3					
0710	304-F003	(GT)	1,704	Ton	Size 825B Crushed Stone Base
ALTERNATE GROUP BB NUMBER 1					
0720	907-624-A002		5,986	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Skip White
0730	907-624-B002		8,296	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous White
0740	907-624-D002		8,296	Linear Feet	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous Yellow
ALTERNATE GROUP BB NUMBER 2					
0750	907-628-G003		5,986	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Skip White
0760	907-628-H005		8,296	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous White
0770	907-628-J003		8,296	Linear Feet	6" High Performance Cold Plastic Traffic Stripe, Continuous Yellow



ADDENDUM

DESIGNED BY:

CHECKED BY:

DATE:

FMS CON:108142/301000

PROJECT NO.:IM-0006-01(099)

COUNTY: UNION

INDEX

SHEET ID
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FMS CON. 108141/301000 & 302000			
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ADDENDUM

DESIGNED BY:

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DATE:

FMS CON: 108142/301000

PROJECT NO.: IM-0006-01(099)

COUNTY: UNION

ORDER OF REVISIONS

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REV

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3

△ SUMMARY OF REVISIONS

DATE	1ST. ORDER	ADDENDUM	2ND. ORDER	BY	SHEET NO.	SHEET ID	DESCRIPTION
7/16/2025		X		BM	DI-1	2	LIGHTING SHEETS ADDED TO PLAN SET
7/16/2025		X		BM	REV	3	SUMMARY OF REVISIONS TABLE UPDATED WITH CORRECTIONS
7/16/2025		X		BM	GN-1	4	CORRECTED TYPOGRAPHICAL ERROR
7/16/2025		X		BM	TS-1	5	CORRECTED AND UPDATED PAY ITEM NUMBER
7/16/2025		X		BM	TS-2	6	CORRECTED AND UPDATED PAY ITEM NUMBER
7/16/2025		X		BM	TS-3	7	CORRECTED FMS CONSTRUCTION NUMBER
7/16/2025		X		BM	TS-5	9	CORRECTED AND UPDATED PAY ITEM NUMBER
7/16/2025		X		BM	SQ-2	16	CORRECTED ALTERNATE PAY ITEM GROUPING FOR BRIDGE STRIPING ITEMS
7/16/2025		X		BM	DCS-1	19	CORRECTED AND UPDATED PAY ITEM NUMBER
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7/16/2025		X		BM	DCS-4	22	CORRECTED AND UPDATED PAY ITEM NUMBER
7/16/2025		X		BM	LN-1	4001	ADDED SHEET TO PLAN SET
7/16/2025		X		BM	LP-1	4002	ADDED SHEET TO PLAN SET
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7/16/2025		X		BM	LP-3	4004	ADDED SHEET TO PLAN SET
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7/16/2025		X		BM	IPO-3	4008	ADDED SHEET TO PLAN SET
7/16/2025		X		BM	IPO-4	4009	ADDED SHEET TO PLAN SET
7/16/2025		X		BM	IPO-5	4010	ADDED SHEET TO PLAN SET
7/16/2025		X		BM	IPO-6	4011	ADDED SHEET TO PLAN SET
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7/16/2025		X		BM	IPO-9	4014	ADDED SHEET TO PLAN SET
7/16/2025		X		BM	IPO-10	4015	ADDED SHEET TO PLAN SET

DESIGNED BY:

DETAILED BY:

CHECKED BY:

DATE:

FMS CON: 108142/301000

PROJECT NO.: IM-0006-01(099)

COUNTY: UNION

GENERAL NOTES

SHEET ID
GN-1

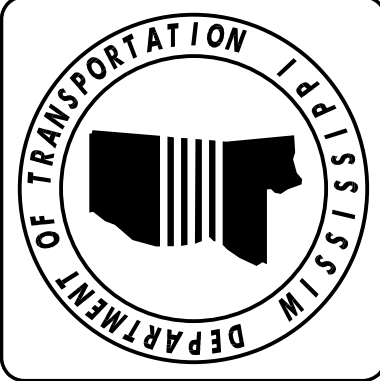
SHEET NO.
4

MISSISSIPPI
DEPARTMENT OF TRANSPORTATION

ADDENDUM

GENERAL NOTES

- (1) THE LOCATION AND SPACING OF SIGNS, SHOWN ON THE TRAFFIC CONTROL PLANS, ARE APPROXIMATE AND MAY BE ADJUSTED AS NECESSARY TO FIT FIELD CONDITIONS.
- (2) FLUORESCENT ORANGE SHEETING SHALL BE USED ON ALL CONSTRUCTION AND TRAFFIC CONTROL SIGNS EXCEPT FOR THOSE DESIGNATED ON THE PLANS TO BE BLACK LEGEND AND BORDER ON WHITE BACKGROUND.
- (3) ALL TRAFFIC CONTROL DEVICES ON THIS PROJECT SHALL COMPLY WITH PART VI OF THE MUTCD (LATEST EDITION).
- (4) BIDDERS ARE ADVISED THAT HARD COPIES OF ANY ADDENDA FOR THIS PROJECT WILL NO LONGER BE MAILED. ALL ADDENDA FOR THIS PROJECT WILL BE POSTED TO WWW.MDOT.MS.GOV UNDER THE PROPOSAL ADDENDA COLUMN. IT IS THE BIDDERS RESPONSIBILITY TO CHECK AND SEE IF ANY ADDENDA HAVE BEEN POSTED FOR THIS PROJECT. PLEASE CONTACT CONTRACT ADMINISTRATION DIVISION AT 601-359-7700 FOR ANY QUESTIONS REGARDING ELECTRONIC ADDENDA.
- (5) PRIOR TO PLACING ANY BITUMINOUS PAVEMENT, FINE MILLING, OR FOG SEALING THE EXISTING SHOULDERS ARE TO BE BLADED FOR A MINIMUM OF 1' BEYOND THE EDGE OF THE EXISTING PAVEMENT TO REMOVE VEGETATION AND EXCESS SHOULDER MATERIAL (NOT A PAY ITEM).
- (6) NO ADDITIONAL COMPENSATION WILL BE MADE FOR INSTANCES WHERE CONCRETE IS ENCOUNTERED DURING MILLING OPERATIONS AND IS TO BE ABSORBED IN THE MILLING PAY ITEM.
- (7) THE CONTRACTOR SHALL REPAIR ANY DAMAGE TO THE PAVED OR UNPAVED SHOULDER THAT MIGHT OCCUR DURING CONSTRUCTION ANY REPAIR TO SHOULDER WILL BE IN ACCORDANCE WITH THE APPLICABLE SECTIONS OF THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. NO PAYMENT WILL BE MADE FOR REPAIR OF DAMAGED SHOULDER.
- A(8) TEMPORARY PAVEMENT JOINTS (PAPER JOINTS) SHALL BE EMPLOYED AT ALL LOCATIONS REQUIRING TRAFFIC TO TRAVERSE AND UNEVEN PAVEMENT JOINT. PAPER JOINTS SHALL BE A MINIMUM OF 9FT IN LENGTH AND SHALL BE ADEQUATELY MAINTAINED.
- (9) WHERE MILLING IS REQUIRED, THE CONTRACTOR SHALL PROVIDE OUTLETS IN THE EXISTING SHOULDERS AT SUFFICIENT INTERVALS TO PREVENT POOLING OR STANDING WATER ON THE MILLED SUFACE, THE COST OF WHICH SHALL BE ABSORBED IN OTHER ITEMS BID.
- (10) ALL PLASTIC DRUMS SHALL HAVE A BALLASTING COLLAR MADE FROM RECYCLED TRUCK TIRES OR OTHER SUITABLE MATERIAL.
- (11) THE RETROREFLECTIVE SIGN SHEETING ON RIGID, TEMPORARY TRAFFIC CONTROL (ORANGE) SIGNS SHALL BE MINIMUM TYPE IX.
- (12) TEMPORARY STRIPING SHALL CONFORM TO FINISHED STRIPE SPECIFICATIONS FOR ALIGNMENT, NEATNESS, AND STRAIGHTNESS.



ADDENDUM

DESIGNED BY:

CHECKED BY:

DATE:

FMS CON:108142/301000

PROJECT NO.: IM-0006-01(099)

COUNTY: UNION

TYPICAL SECTION MAIN FACILITY
(MILLING & OVERLAY)

SHEET ID
TS-1

SHEET NO.
5

- 1 REMOVE AND UNDERCUT FAILED AREAS AS DIRECTED BY THE ENGINEER. REMOVAL OF CONCRETE PAVEMENT WITH VARIABLE DEPTH OVERLAY TO BE PAID FOR UNDER PAY ITEM 202-B069. IF NECESSARY UNDERCUT TO A DEPTH OF 3' BELOW FINISHED GRADE. BACKFILL WITH CRUSHED STONE TO A DEPTH OF 1' BELOW FINISHED GRADE. REMOVAL OF UNDERCUT MATERIAL INCLUDING ANY SOIL CEMENT TO BE PAID FOR UNDER PAY ITEM NO. 203-G001, EXCESS EXCAVATION (F.M./A.H.), BACKFILL WITH HOT MIX ASPHALT, HT, 9.5 mm MIXTURE PAY ITEM NO. 907-403-A013 TO A MAXIMUM DEPTH OF 1 FOOT.

- 2 PRELIMINARY PATCHING AND LEVELING REQUIRED AS DIRECTED BY THE ENGINEER.

- 3 1½" & VAR. STONE MATRIX ASPHALT, 9.5 MM MIXTURE PAY ITEM NO. 907-405-A001 REQUIRED.

- 4 GRANULAR MATERIAL (CL-3 GP, C) REQUIRED ON SHOULDER AS DIRECTED BY THE ENGINEER. PAY ITEM NO. 304-A002.

- 5 1 1/2" & VAR. FINE MILLING OF BITUMINOUS PAVEMENT (ALL DEPTHS), PAY ITEM NO. 406-D001.

- A 6 SHOULDERS TO BE FOG SEALED AT THE DIRECTION OF THE ENGINEER. PAY ITEM NO. 907-410-D001

- 7 OGFC TO BE PLACED AT 1-1/4" & VAR. THICKNESS WITH 14' & VAR. LANE WIDTHS.

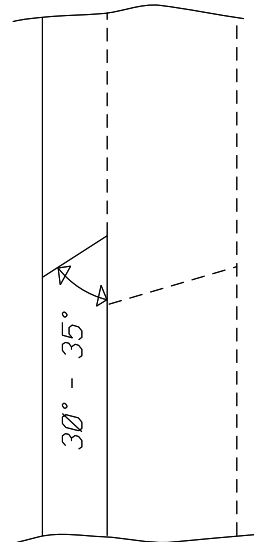
- 8 GROUND IN RUMBLE STRIPS ARE TO BE PLACED AS SHOWN ON RS-3, SHEET NO. 6066.

GENERAL NOTES

PRIOR TO PLACING ANY BITUMINOUS PAVEMENT, THE EXISTING SHOULDERS ARE TO BE BLADED FOR A MINIMUM OF 1' BEYOND THE EDGE OF THE EXISTING PAVEMENT TO REMOVE VEGETATION AND EXCESS SHOULDER MATERIAL (NOT A PAY ITEM).

EXISTING RAISED PAVEMENT MARKERS TO BE REMOVED FROM EXISTING BRIDGES BEFORE PLACEMENT OF PERMANENT STRIPE (NOT A PAY ITEM).

SOME MILLING OF CONCRETE AT BRIDGE ENDS MAY BE REQUIRED AND WILL BE PAID FOR UNDER PAY ITEM NO. 406-D001 FINE MILLING OF BITUMINOUS PAVEMENT

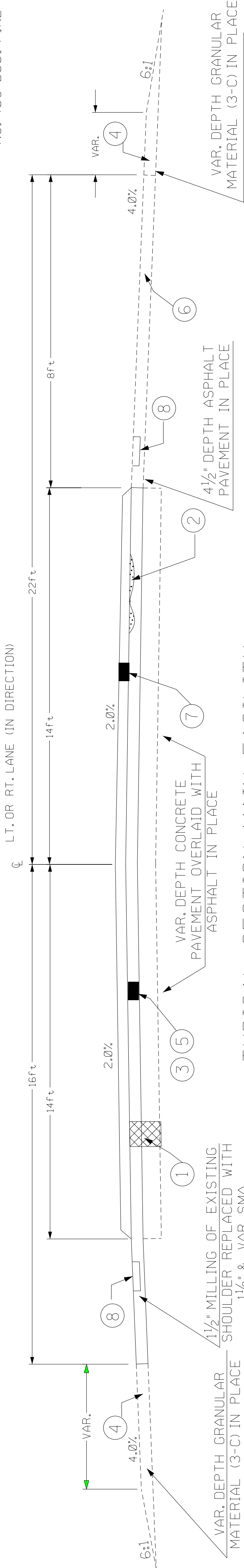


SAFETY EDGE REQUIRED
(NOT A PAY ITEM)

SAFETY EDGE DETAIL

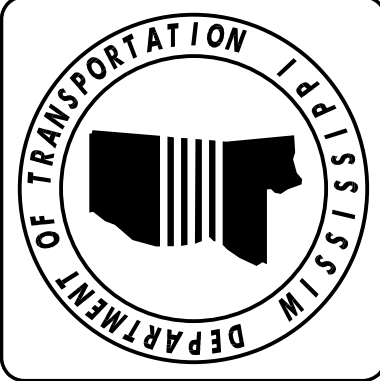
DIGOUTS	
EAST BOUND OUTSIDE LANE	WEST BOUND BOTH LANES
665+00 (10' X 23')	732+30 (13' X 15')
787+00 (10' X 23')	797+40 (13' X 20')
788+40 (10' X 23')	805+00 (13' X 20')
788+80 (25' X 23')	985+00 (8' X 160')
789+70 (10' X 23')	
790+20 (10' X 23')	
790+90 (6' X 23')	
792+65 (10' X 23')	
810+20 (8' X 40')	

*ALL DIGOUT LOCATIONS AND SIZES ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS. ADDITIONAL AREAS MAY ARISE PRIOR TO CONSTRUCTION WHICH WILL BE PAID FOR USING THE INCLUDED PAY ITEMS. ITEMS FOR WHICH NO PAY ITEM IS INCLUDED WILL BE ABSORBED IN OTHER ITEMS BID.



TYPICAL SECTION MAIN FACILITY
(MILL & OVERLAY)

B.O.P 241+00-E.O.P 985+85



ADDENDUM

DESIGNED BY:

CHECKED BY:

DATE:

FMS CON: 108142/301000

PROJECT NO.: IM-0006-01(099)

COUNTY: UNION

TYPICAL SECTION OGFC AT BRIDGE ENDS

SHEET ID
TS-3

SHEET NO.
7

1 REMOVE CONCRETE OVERLAID WITH ASPHALT 200' FROM BRIDGE END PAVEMENT. REMOVAL OF CONCRETE PAVEMENT WITH VARIABLE DEPTH OVERLAY TO BE PAID FOR UNDER PAY ITEM 202-B069.

2 EXISTING LUG ANCHORS TO BE REMOVED 6" BELOW BOTTOM OF CONCRETE PAVEMENT AND ALL EXPOSED REINFORCEMENT CUT OFF (COST TO BE ABSORBED IN PAY ITEM 202-B069) (SEE SHEET NUMBER 13 FOR EXISTING LUG ANCHOR DETAILS). BACKFILL WITH 19mm, ST, ASPHALT PAVEMENT, PAY ITEM NO. 907-403-A006, TO BOTTOM OF CONCRETE PAVEMENT PRIOR TO PLACING SUBSEQUENT LIFTS.

3 7" & VAR. 19mm, ST, ASPHALT PAVEMENT REQUIRED
PAY ITEM NO. 907-403-A006. (2 LIFTS @ 3 1/2")

4 1" & VAR. 9.5mm, HT, ASPHALT PAVEMENT REQUIRED,
PAY ITEM NO. 907-403-A013.

5 1 1/2" & VAR. FINE MILLING OF BITUMINOUS PAVEMENT (ALL DEPTHS), PAY ITEM NO. 406-D001.

6 1 1/2" & VAR. STONE MATRIX ASPHALT, 9.5 mm MIXTURE,
PAY ITEM NO. 907-405-A001 REQUIRED.

7 1 1/4" & VAR. OPEN GRADED FRICTION COURSE, PAY ITEM NO. 907-402-A002.

8 SOME CONCRETE MILLING MAY BE REQUIRED TO ENSURE PROPER CLEARANCE IS MAINTAINED WITH THE OVERHEAD BRIDGE.

GENERAL NOTES

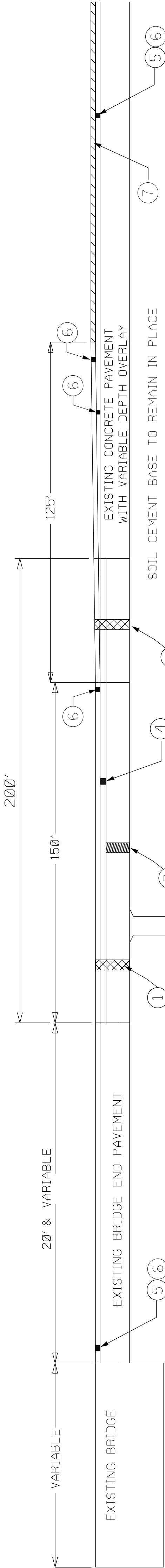
SOME MILLING OF CONCRETE AT BRIDGE ENDS MAY BE REQUIRED AND WILL BE PAID FOR UNDER PAY ITEM NO. 406-D001 FINE MILLING OF BITUMINOUS PAVEMENT.

SOME MILLING MAY BE REQUIRED ON GUARDRAIL PADS.

DIGOUTS AT BRIDGE ENDS			
TALLAHATCIE RIVER	S. CENTRAL AND CARTER AVE	HWY 15	MURRAH RD
292+60 (36W' X 200L') EB LANE	307+77 (24W' X 200L') EB LANE	365+89 (24W' X 200L') EB LANE	391+40 (24W' X 200L') EB LANE
303+81 (36W' X 200L') EB LANE	317+08 (24W' X 200L') EB LANE	371+59 (24W' X 200L') EB LANE	397+00 (24W' X 200L') EB LANE
292+60 (36W' X 200L') WB LANE	307+77 (24W' X 200L') WB LANE	365+89 (24W' X 200L') WB LANE	391+40 (24W' X 200L') WB LANE
303+81 (36W' X 200L') WB LANE	317+08 (24W' X 200L') WB LANE	371+59 (24W' X 200L') WB LANE	397+00 (24W' X 200L') WB LANE

*ALL DIGOUT LOCATIONS AND SIZES ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

DIGOUTS AT BRIDGE ENDS			
KING CREEK	OKANNATIE CREEK	HWY 9	
405+75 (24W' X 200L') EB LANE	664+83 (36W' X 200L') EB LANE	847+86 (24W' X 200L') EB LANE	
411+75 (24W' X 200L') EB LANE	668+83 (36W' X 200L') EB LANE	854+16 (24W' X 200L') EB LANE	
405+75 (24W' X 200L') WB LANE	664+83 (36W' X 200L') WB LANE	847+86 (24W' X 200L') WB LANE	
411+75 (24W' X 200L') WB LANE	668+83 (36W' X 200L') WB LANE	854+16 (24W' X 200L') WB LANE	



TYPICAL AT BRIDGE ENDS

ALL BRIDGES FROM B.O.P. TO E.O.P.



DESIGNED BY:	DETAILED BY:	CHECKED BY:	DATE:
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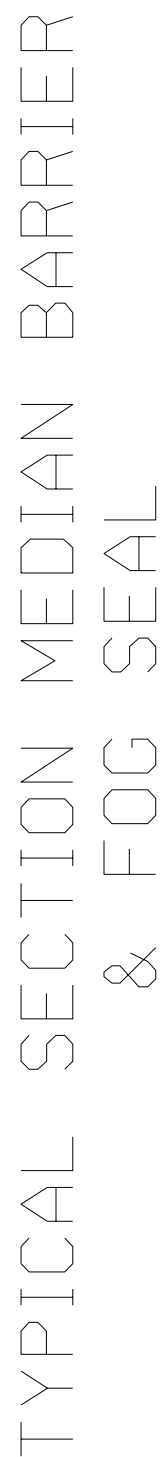
COUNTY: UNION

FMS CON: 108142/301000

TYPICAL SECTION MEDIAN
BARRIER & FOG SEAL

SHEET ID
TS-5

SHEET NO.


$$257 + 00 - 330 + 15$$

TYPICAL SECTION MEDIAN BARRIER & FOG SEAL

- | GENERAL NOTES | |
|---------------|---|
| ① | REMOVE AND UNDERCUT FAILED AREAS AS DIRECTED BY THE ENGINEER. REMOVAL OF CONCRETE PAVEMENT WITH VARIABLE DEPTH OVERLAY TO BE PAID FOR UNDER PAY ITEM 202-B069. IF NECESSARY UNDERCUT TO A DEPTH OF 3" BELOW FINISHED GRADE. BACKFILL WITH CRUSHED STONE TO A DEPTH OF 1' BELOW FINISHED GRADE. REMOVAL OF UNDERCUT MATERIAL INCLUDING ANY SOIL CEMENT TO BE PAID FOR UNDER PAY ITEM NO. 203-G001. EXCESS EXCAVATION (F.M./A.H.) BACKFILL WITH HOT MIX ASPHALT, HT, 9.5 mm MIXTURE PAY ITEM NO. 907-403-A013 TO A MAXIMUM DEPTH OF 1 FOOT. |
| ② | PRELIMINARY PATCHING AND LEVELING REQUIRED AS DIRECTED BY THE ENGINEER. |
| ③ | 1½" & VAR. STONE MATRIX ASPHALT, 9.5 MM MIXTURE PAY ITEM NO. 907-405-A001 REQUIRED. |
| ④ | GRANULAR MATERIAL (CL. 3 GP, C) REQUIRED ON SHOULDER AS DIRECTED BY THE ENGINEER. PAY ITEM NO. 304-A002. |
| ⑤ | 1 1/2" & VAR. FINE MILLING OF BITUMINOUS PAVEMENT (ALL DEPTHS), PAY ITEM NO. 406-D001. |
| ⑥ | EXISTING SHOULDERS TO BE FOG SEALED AT THE DIRECTION OF THE ENGINEER. PAY ITEM NO. 907-410-D001 |
| ⑦ | OGFC TO BE PLACED AT 1-1/4" & VAR. THICKNESS WITH 14' & VAR. LANE WIDTHS. |
| ⑧ | GROUND IN RUMBLE STRIPS ARE TO BE PLACED AS SHOWN ON RS-3, SHEET NO. 6066. |
| ⑨ | REMOVAL OF DEBRIS AND VEGETATION ALONG MEDIAN BARRIER AND DRAINAGE AREAS WILL BE ABSORBED IN PAY ITEM NO. 907-618-A001. |
| | PRIOR TO PLACING ANY BITUMINOUS PAVEMENT, THE EXISTING SHOULDERS ARE TO BE BLADED FOR A MINIMUM OF 1' BEYOND THE EDGE OF THE EXISTING PAVEMENT TO REMOVE VEGETATION AND EXCESS SHOULDER MATERIAL (NOT A PAY ITEM). |
| | EXISTING RAISED PAVEMENT MARKERS TO BE REMOVED FROM EXISTING BRIDGES BEFORE PLACEMENT OF PERMANENT STRIPE (NOT A PAY ITEM). |
| | SOME MILLING OF CONCRETE AT BRIDGE ENDS MAY BE REQUIRED AND WILL BE PAID FOR UNDER PAY ITEM NO. 406-D001 FINE MILLING OF BITUMINOUS PAVEMENT |



ADDENDUM

DESIGNED BY:

DETAILED BY:

CHECKED BY:

DATE:

FMS CON : 108142/301000

PROJECT NO.: IM-0006-01(099)

COUNTY: UNION

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES (SHEET 2)

PAY ITEM NO.	PAY ITEM	UNIT	UNION : 108142-301000	
			Prelim	Final
619-A6002	Temporary Traffic Stripe, Legend	LF	3,404	
907-619-B001	Temporary Portable Rumble Strips	LF	66	
619-F1001	Concrete Median Barrier, Precast	LF	1,260	
619-F2001	Remove and Reset Concrete Median Barrier, Precast	LF	16,380	
907-624-A002	6" Inverted Profile Thermoplastic Traffic Stripe, Skip White	LF	5,986	
907-624-B002	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous White	LF	8,296	
907-624-D002	6" Inverted Profile Thermoplastic Traffic Stripe, Continuous Yellow	LF	8,296	
	OR			
907-628-G003	6" High Performance Cold Plastic Traffic Stripe, Skip White	LF	5,986	△
907-628-H005	6" High Performance Cold Plastic Traffic Stripe, Continuous White	LF	8,296	△
907-628-J003	6" High Performance Cold Plastic Traffic Stripe, Continuous Yellow	LF	8,296	△
907-626-A007	6" Thermoplastic Double Drop Traffic Stripe, Skip White	MI	28	
907-626-B004	6" Thermoplastic Double Drop Traffic Stripe, Continuous White	MI	36	
907-626-E003	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow	MI	34	
907-626-G006	Thermoplastic Double Drop Detail Stripe, White	LF	42,860	
907-626-G007	Thermoplastic Double Drop Detail Stripe, Yellow	LF	10,773	
907-626-H006	Thermoplastic Double Drop Legend, White	SF	2,369	
907-626-H007	Thermoplastic Double Drop Legend, White	LF	3,404	
907-627-K001	Red-Clear Reflective High Performance Raised Markers	EA	3,950	
907-627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	750	
630-F010	Delineators, Post Mounted, Double White	EA	287	
630-F011	Delineators, Post Mounted, Double Yellow	EA	74	
630-F012	Delineators, Post Mounted, Single White	EA	186	
630-F013	Delineators, Post Mounted, Single Yellow	EA	165	
907-632-C001	Modify Existing Traffic Signal Cabinet Assembly	EA	1	①
907-632-D001	Solid State Traffic Actuated Controller, Type 1	EA	1	
907-632-G001	Malfunction Management Unit	EA	1	
907-641-A002	Signal Stop Bar Radar Vehicle Detection Sensor, Type 2	EA	4	②
907-641-B002	Signal Advanced Radar Vehicle Detection Sensor, Type 2	EA	4	②
907-641-D001	Radar Vehicle Detection Cable	LF	3,000	③ ④
907-824-A003	General Epoxy Repair	SF	200	

- ① INCLUDES THE REPLACEMENT OF CONTROLLERS, CONFLICT MONITORS AND INSTALLATION OF SDLC HUBS WHERE CALLED FOR IN THE PLANS
- ② RADAR UNITS SHALL BE MOUNTED PER MANUFACTURER RECOMMENDATIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR SETTING UP ALL NEW SIGNAL CONTROLLERS AND DETECTION UNITS AS PER MANUFACTURER RECOMMENDATIONS
- ③ CONTRACTOR MAY REMOVE EXISTING DETECTION LOOP CABLE, IF NECESSARY.
- ④ CABLE QUANTITIES MAY BE ADJUSTED BASED ON RADAR LOCATIONS PER MANUFACTURER RECOMMENDATIONS



FMS CON:108142/301000	PROJECT NO.:IM-0006-01(099)	COUNTRY: UNION
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SHEET ID
DCS-1

SHEET NO.
19



ALL W20-1 (ROAD WORK AHEAD) SIGNS TO BE PLACED APPROXIMATELY 500' FROM CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

LOCATION OF SIGNS SHOWN ON THIS SHEET ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

- ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES TO BE PAID FOR UNDER PAY ITEM 907-618-A001, MAINTENANCE OF TRAFFIC.



ADDENDUM

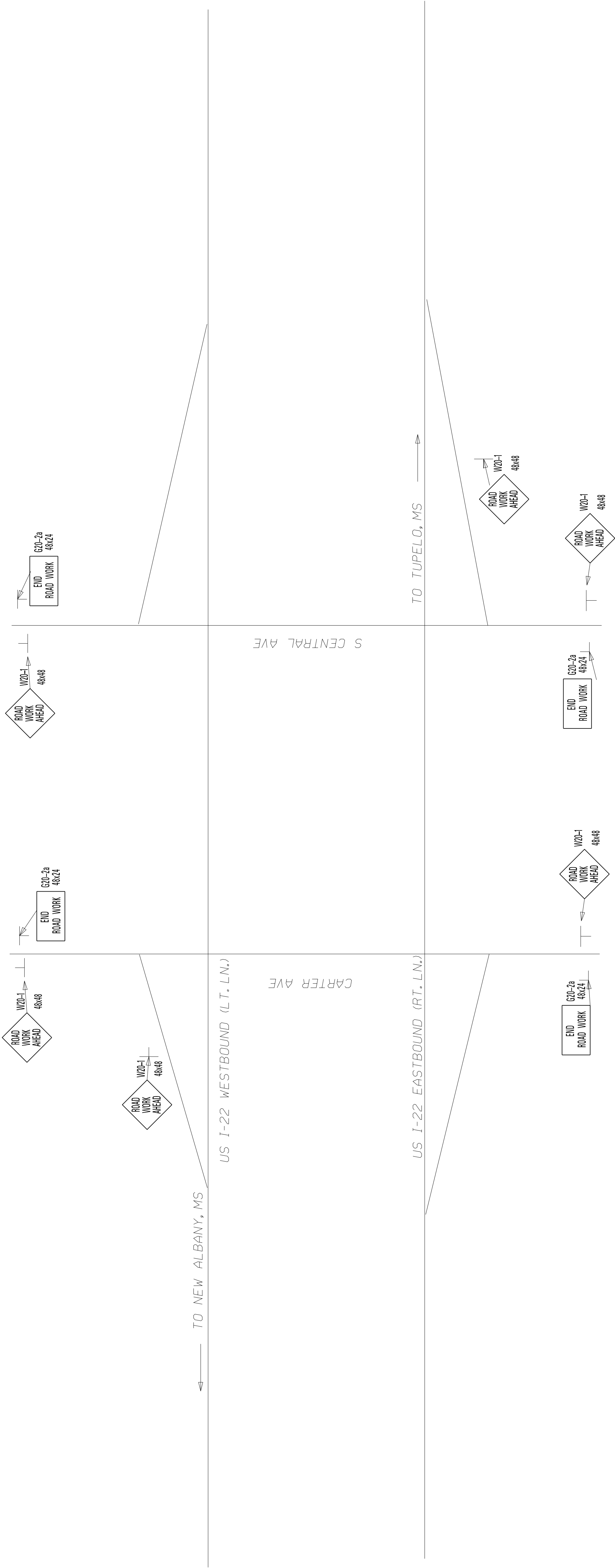
DESIGNED BY:
DETAILED BY:
CHECKED BY:
DATE:

FMS CON:108142/301000
PROJECT NO.:IM-0006-01(099)
COUNTY: UNION

DETAIL OF CONSTRUCTION SIGNING
I-22 OVER CARTER AVE AND S CENTRAL AVE

SHEET ID
DCS-2

SHEET NO.
20



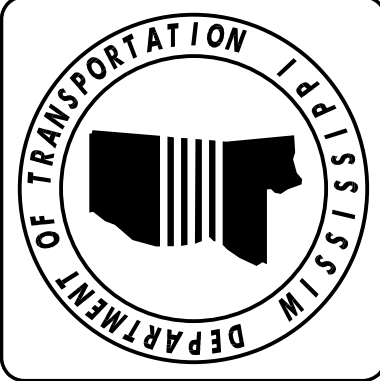
GENERAL NOTES

ALL W20-1 (ROAD WORK AHEAD) SIGNS TO BE PLACED APPROXIMATELY 500' FROM CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

LOCATION OF SIGNS SHOWN ON THIS SHEET ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

⚠ ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES TO BE PAID FOR UNDER PAY ITEM 907-618-A001, MAINTENANCE OF TRAFFIC.

6 W20-1 (ROAD WORK AHEAD) SIGNS REQUIRED ON CITY STREETS OR COUNTY ROADS AS DESIGNATED BY THE ENGINEER.



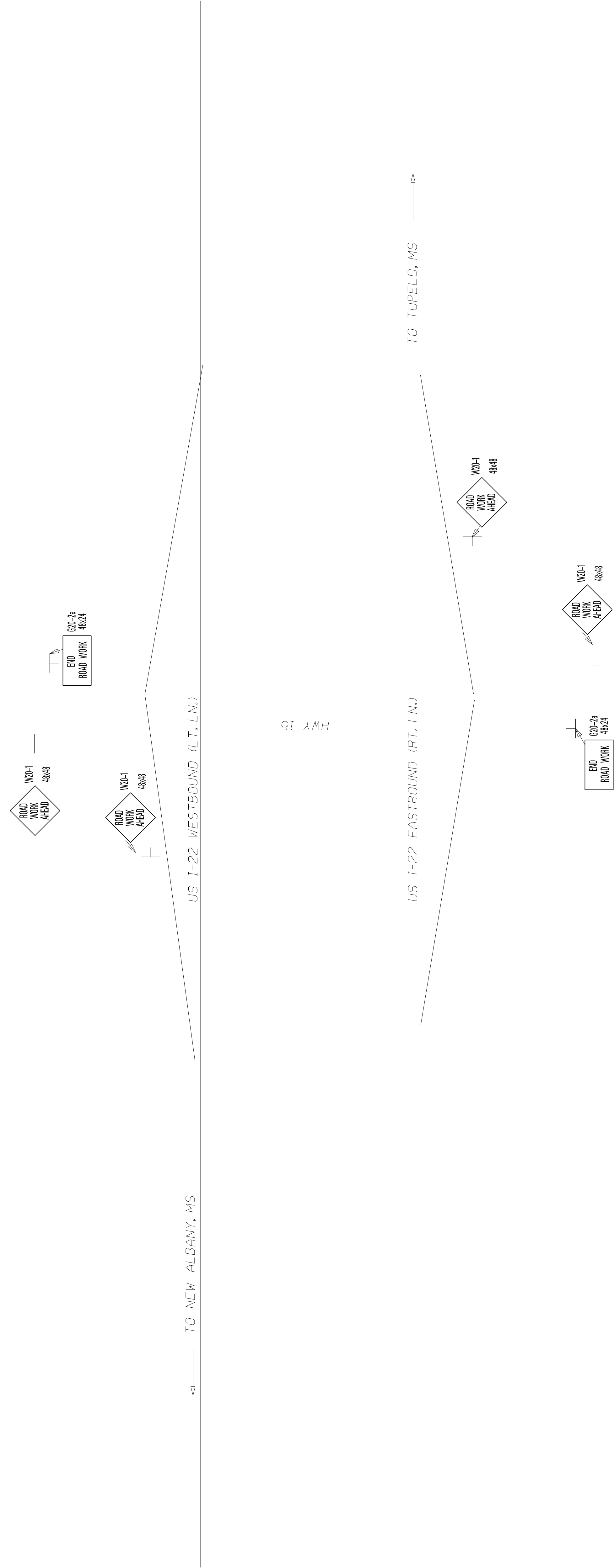
ADDENDUM

DESIGNED BY:	
DETAILED BY:	
CHECKED BY:	
DATE:	

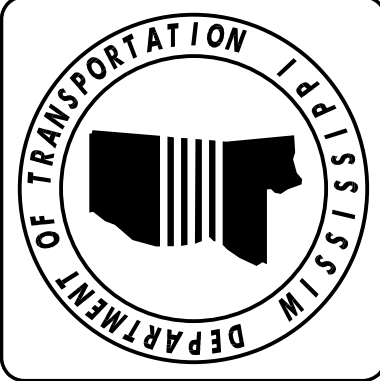
FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

DETAIL OF CONSTRUCTION SIGNING
I-22 AND OVER HWY 15

SHEET ID DCS-3
SHEET NO. 21



- GENERAL NOTES**
- ALL W20-1 (ROAD WORK AHEAD) SIGNS TO BE PLACED APPROXIMATELY 500' FROM CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.
- LOCATION OF SIGNS SHOWN ON THIS SHEET ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
- ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES TO BE PAID FOR UNDER PAY ITEM 907-618-A001, MAINTENANCE OF TRAFFIC.
- 4 W20-1 (ROAD WORK AHEAD) SIGNS REQUIRED ON CITY STREETS OR COUNTY ROADS AS DESIGNATED BY THE ENGINEER.

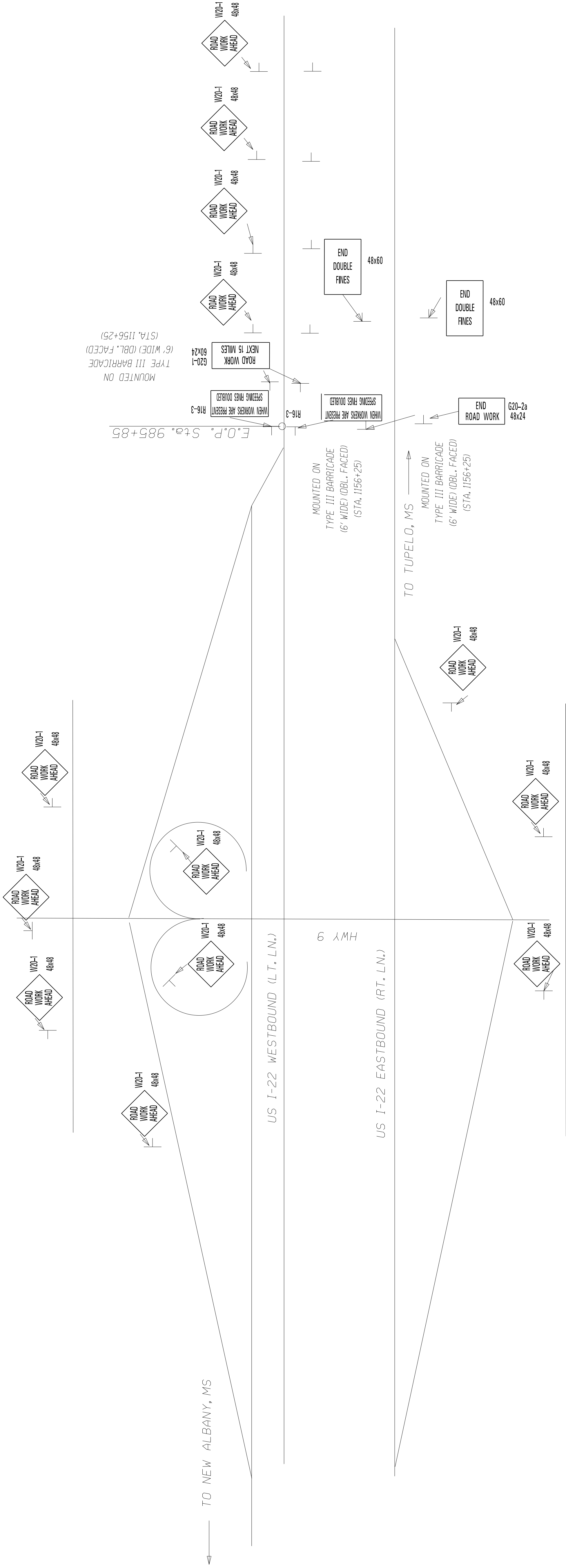


ADDENDUM

DESIGNED BY:	
DETAILED BY:	
CHECKED BY:	
DATE:	
FMS CON:108142/301000	COUNTY: UNION
PROJECT NO.:IM-0006-01(099)	

DETAIL OF CONSTRUCTION SIGNING
I-22 OVER HWY 9 TO PONT. CL

SHEET ID DCS-4
SHEET NO. 22



GENERAL NOTES

ALL W20-1 (ROAD WORK AHEAD) SIGNS TO BE PLACED APPROXIMATELY 500' FROM CONSTRUCTION OR AS DIRECTED BY THE ENGINEER.

LOCATION OF SIGNS SHOWN ON THIS SHEET ARE APPROXIMATE AND MAY BE ADJUSTED TO FIT FIELD CONDITIONS.

ALL SIGNS, BARRICADES, AND CHANNELIZING DEVICES TO BE PAID FOR UNDER PAY ITEM 907-618-A001, MAINTENANCE OF TRAFFIC.

13 W20-1 (ROAD WORK AHEAD) SIGNS REQUIRED ON CITY STREETS OR COUNTY ROADS AS DESIGNATED BY THE ENGINEER.

LIGHTING NOTES:

- 1

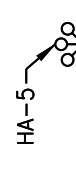
ALL LIGHTING ASSEMBLY LOCATIONS ARE EXISTING TO REMAIN. THE LIGHTING OF THIS PROJECT SHALL BE UPGRADED TO LED. THIS IS A 1-FOR-1 REPLACEMENT. THE CONTRACTOR SHALL TAKE OWNERSHIP OF THE EXISTING H.P.S. LIGHT FIXTURES. POLES AND FOUNDATIONS ARE EXISTING TO REMAIN.
- 2

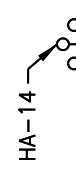
CONTRACTOR SHALL BE RESPONSIBLE FOR THE FOLLOWING:
REPLACE ANY AND ALL WIRE AND CONDUIT THAT IS DAMAGED OR DESTROYED DURING THE LIFE OF THE PROJECT.
REPAIR POLE FOUNDATIONS AND LIGHT POLES IF FOUND TO BE DAMAGED.
○ REPAIR POLE FOUNDATIONS AND LIGHT POLES IF DAMAGED DURING THE LIFE OF THE PROJECT.
○ REPLACE POLE FOUNDATIONS AND LIGHT POLES THAT ARE BEYOND REPAIR.
○ REPAIR OR REPLACE BRANCH CIRCUITS IF FOUND TO BE NON FUNCTIONING. EVERY BRANCH CIRCUIT OF EACH SPC SHALL BE FULLY FUNCTIONAL UPON PROJECT COMPLETION.
- 3

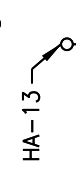
EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS MARKED *FOR INFORMATION PURPOSES ONLY*. THE DRAWINGS WERE BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF THE ORIGINAL PROJECT. THE ENGINEER CANNOT AND DOES NOT WARRANT THIS INFORMATION COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.
- 4

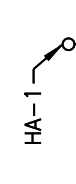
DISPOSAL OF EXCESS MATERIALS SHALL BE ABSORBED FOR PAYMENT IN OTHER ITEMS.

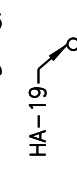
LIGHTING LEGEND:

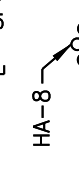
- 
HA-5
A SPC1-4

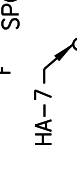
RENOVATION OF HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT #.
100' POLE, (6) 382 WATT LED LUMINAIRES (TYPE 100-8-S)
- 
HA-14
B SPC3-3

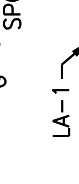
RENOVATION OF HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT #.
100' POLE, (6) 382 WATT LED LUMINAIRES (TYPE 100-6-S)
- 
HA-13
C SPC3-1

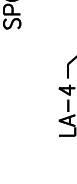
RENOVATION OF HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT #.
100' POLE, (4) 382 WATT LED LUMINAIRES (TYPE 100-4-S)
- 
HA-1
D SPC1-2

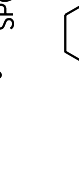
RENOVATION OF HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT #.
100' POLE, (4) 382 WATT LED LUMINAIRES (TYPE 100-4-A)
- 
HA-19
E SPC4-2

RENOVATION OF HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT #.
120' POLE, (4) 382 WATT LED LUMINAIRES (TYPE 120-4-A)
- 
HA-8
F SPC2-2

RENOVATION OF HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT #.
130' POLE, (6) 382 WATT LED LUMINAIRES (TYPE 130-8-S)
- 
HA-7
G SPC2-1

RENOVATION OF HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT #.
130' POLE, (6) 382 WATT LED LUMINAIRES (TYPE 130-6-S)
- 
LA-1
H SPC1-1

RENOVATION OF LOW MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT #.
40' POLE, NO MAST ARM, (1) 200 WATT LED LUMINAIRE (TYPE 40-1-0-200)
- 
LA-4
J SPC2-2

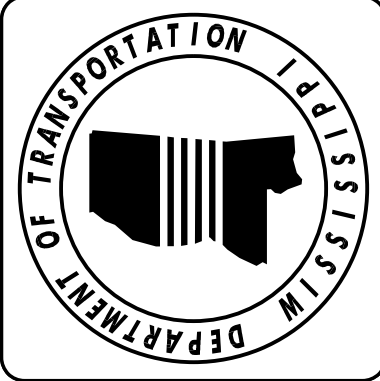
RENOVATION OF LOW MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT #.
40' POLE, 8FT MAST ARM, (1) 200 WATT LED LUMINAIRE (TYPE 40-1-8-200)
- 
SPC#

SECONDARY POWER CONTROLLER #, EXISTING TO REMAIN.
- 
PB

UNDERGROUND PULL BOX, EXISTING TO REMAIN.

ABBREVIATIONS:

LED - LIGHT EMITTING DIODE



ADDENDUM

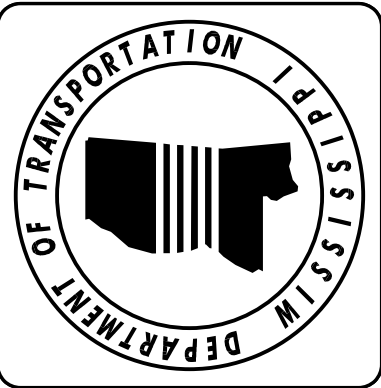
DESIGNED BY:
DETAILED BY:
CHECKED BY:
DATE:

FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

LIGHTING NOTES

SHEET ID
LN-1

SHEET NO.
4001



ADDENDUM

DESIGNED BY:	
DETAILED BY:	
CHECKED BY:	
DATE:	

FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

I-22 LIGHTING BLUE SPRINGS INTERCHANGE STA. 790+00 - STA. 835+00
--

SHEET ID LP-1
SHEET NO. 4002

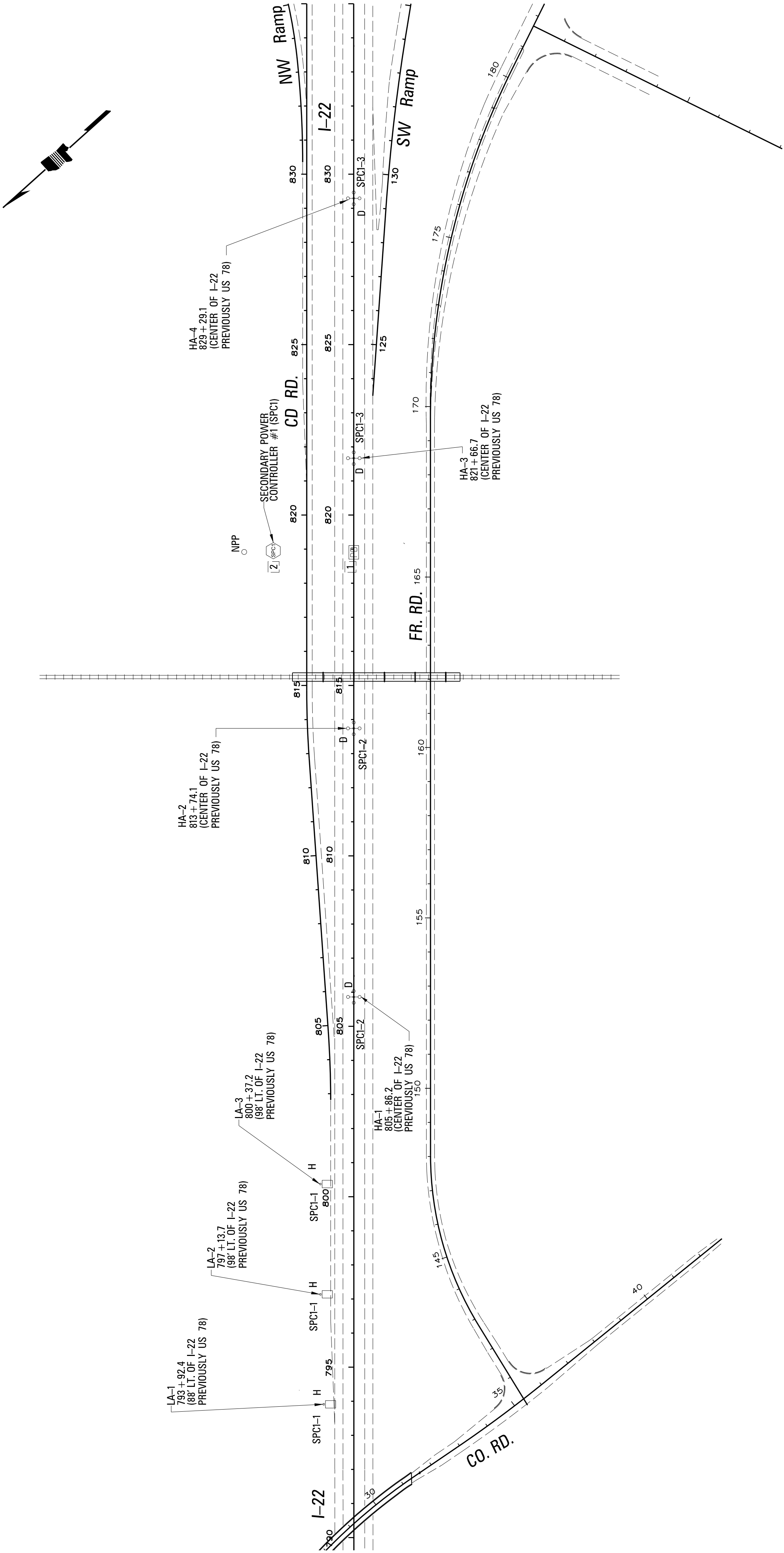
- GENERAL NOTES:

A. WIRE AND CONDUIT ARE EXISTING TO REMAIN.

B. POLES AND FOUNDATIONS ARE EXISTING TO REMAIN.
- KEYED NOTES:

1. PULL BOX EXISTING TO REMAIN. APPROXIMATE LOCATION.

2. SPC (SECONDARY POWER CONTROLLER) EXISTING TO REMAIN. APPROXIMATE LOCATION.





ADDENDUM

DESIGNED BY:
DETAILED BY:
CHECKED BY:
DATE:

FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

I-22 LIGHTING
BLUE SPRINGS INTERCHANGE
STA. 835+00 - STA. 897+00

SHEET ID
LP-2
SHEET NO.
4003

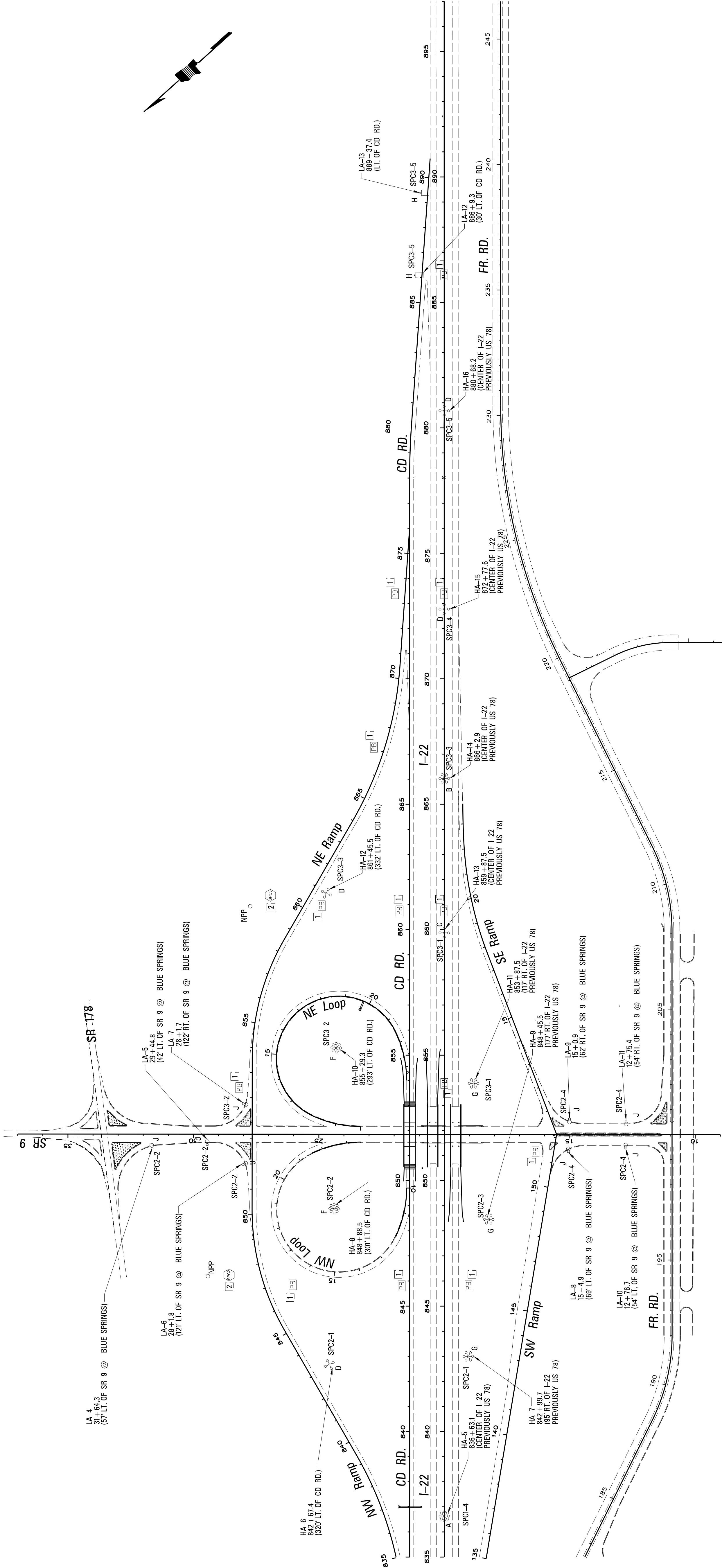
- GENERAL NOTES:

A. WIRE AND CONDUIT ARE EXISTING TO REMAIN.

B. POLES AND FOUNDATIONS ARE EXISTING TO REMAIN.
- KEYED NOTES:

1. PULL BOX EXISTING TO REMAIN. APPROXIMATE LOCATION.

2. SPC (SECONDARY POWER CONTROLLER) EXISTING TO REMAIN. APPROXIMATE LOCATION.





ADDENDUM

DESIGNED BY:	
DETAILED BY:	
CHECKED BY:	
DATE:	

FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

SHERMAN INTERCHANGE I-22 LIGHTING

SHEET ID LP-3
SHEET NO. 4004

- GENERAL NOTES:

A.

WIRE AND CONDUIT ARE EXISTING TO REMAIN.

B.

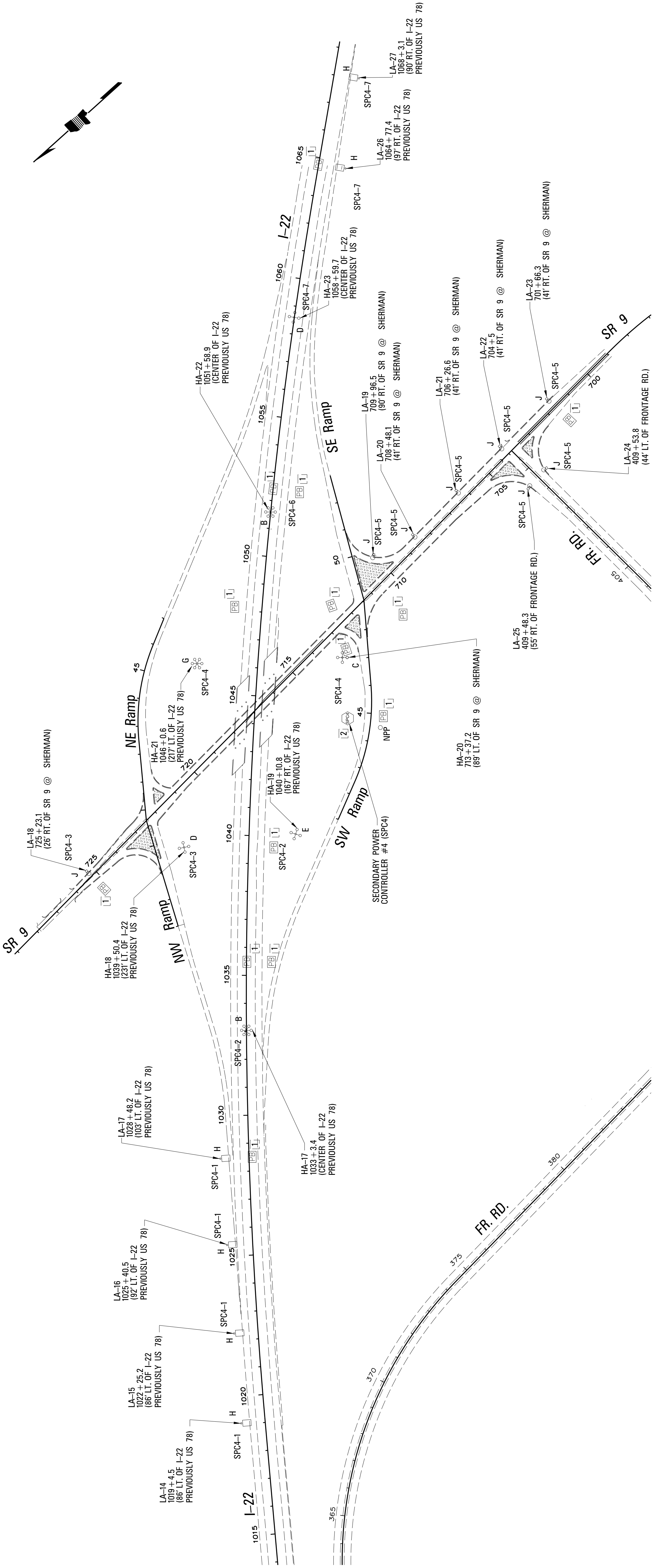
POLES AND FOUNDATIONS ARE EXISTING TO REMAIN.
- KEYED NOTES:

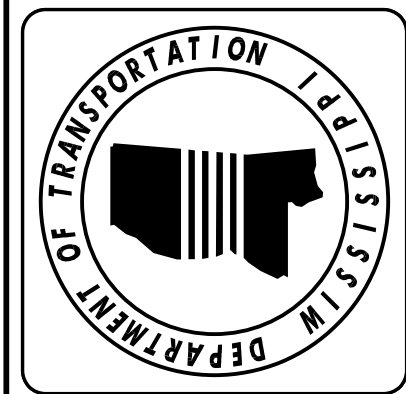
1.

PULL BOX EXISTING TO REMAIN. APPROXIMATE LOCATION.

2.

SPC (SECONDARY POWER CONTROLLER) EXISTING TO REMAIN. APPROXIMATE LOCATION.





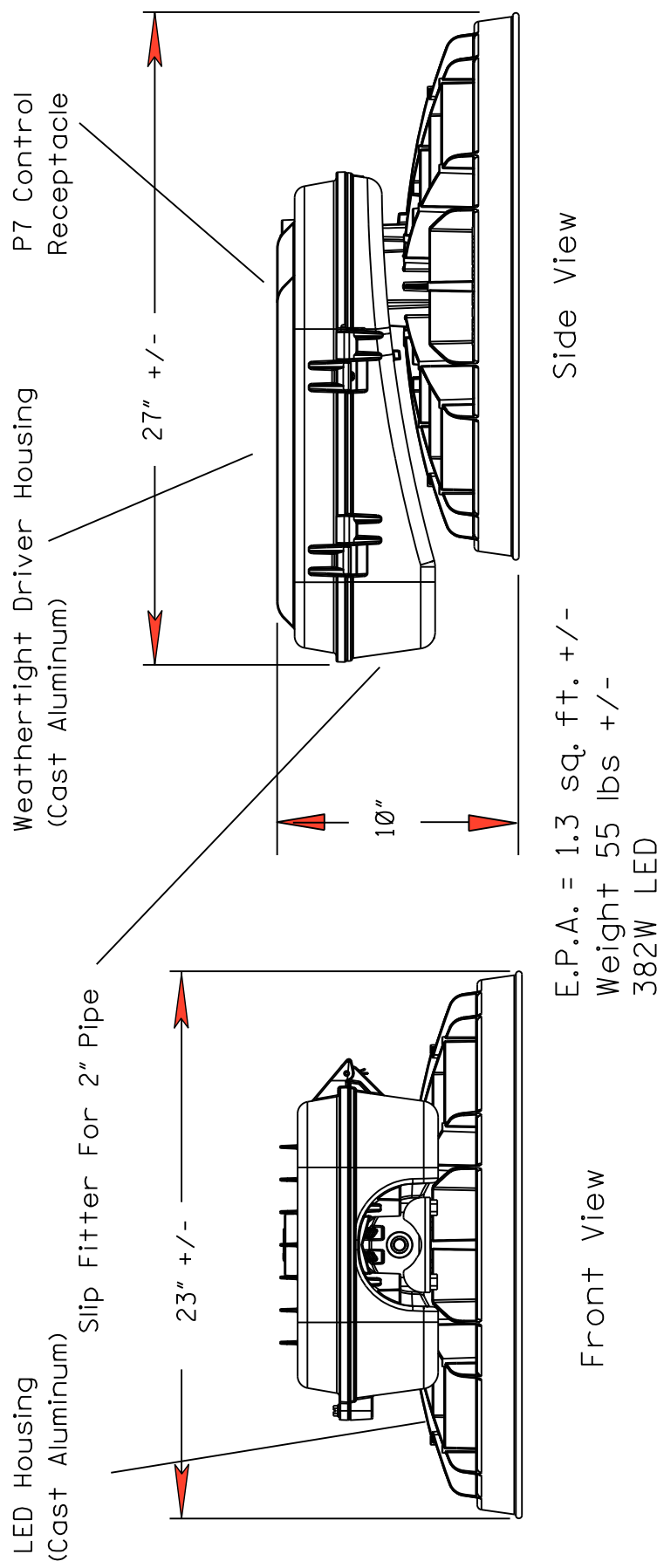
ADDENDUM

DESIGNED BY:	
DETAILED BY:	
CHECKED BY:	
DATE:	
FMS CON: 108142/301000	PROJECT NO.: IM-0006-01(099)
COUNTY: UNION	

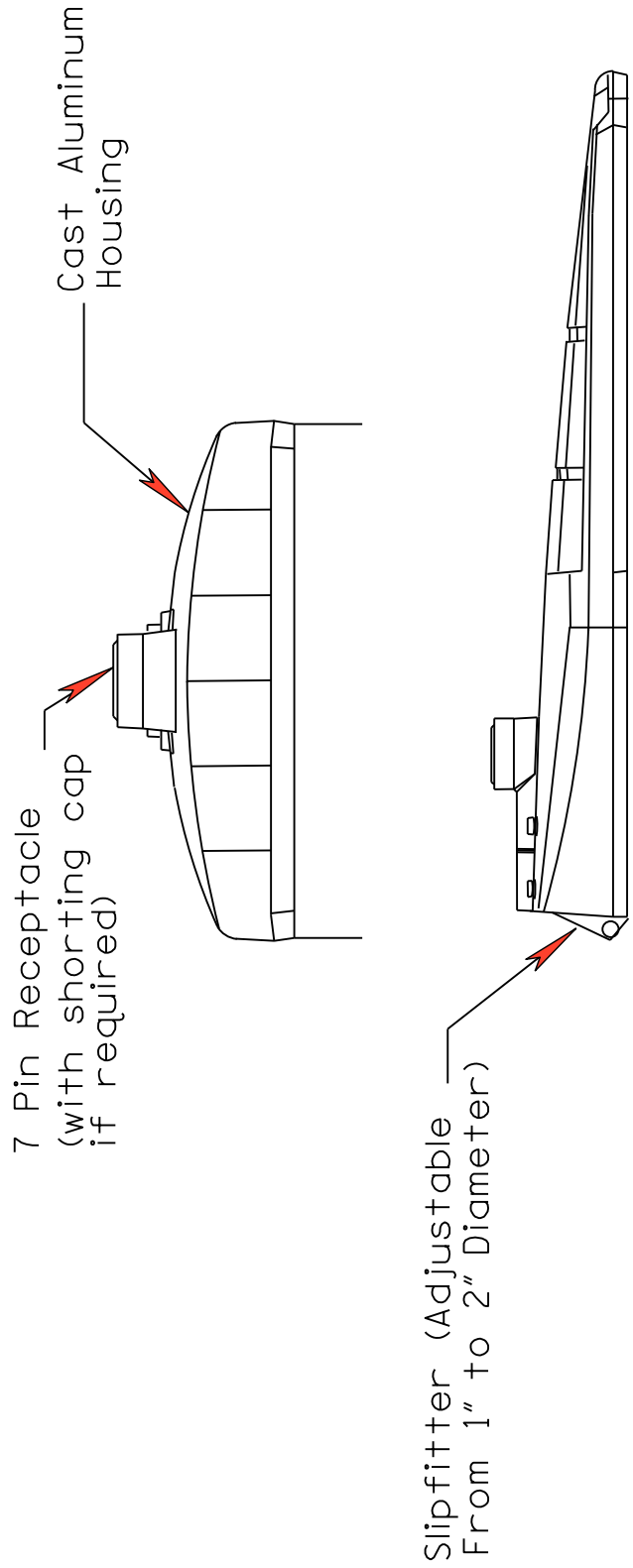
LIGHTING DETAILS

SHEET ID
LD-1

SHEET NO.
4005

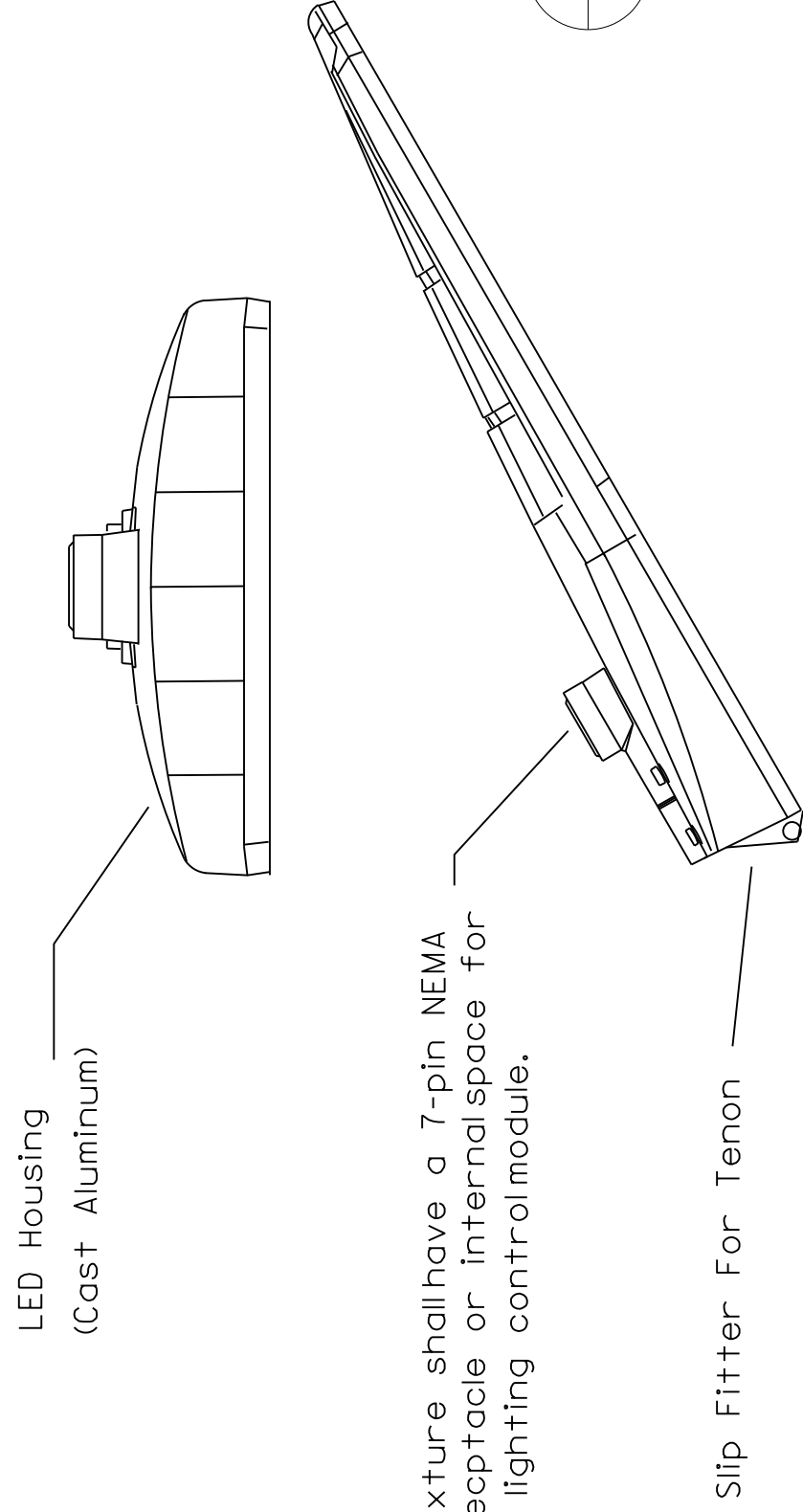


1 TYPICAL HIGH MAST LED LUMINAIRE DETAIL



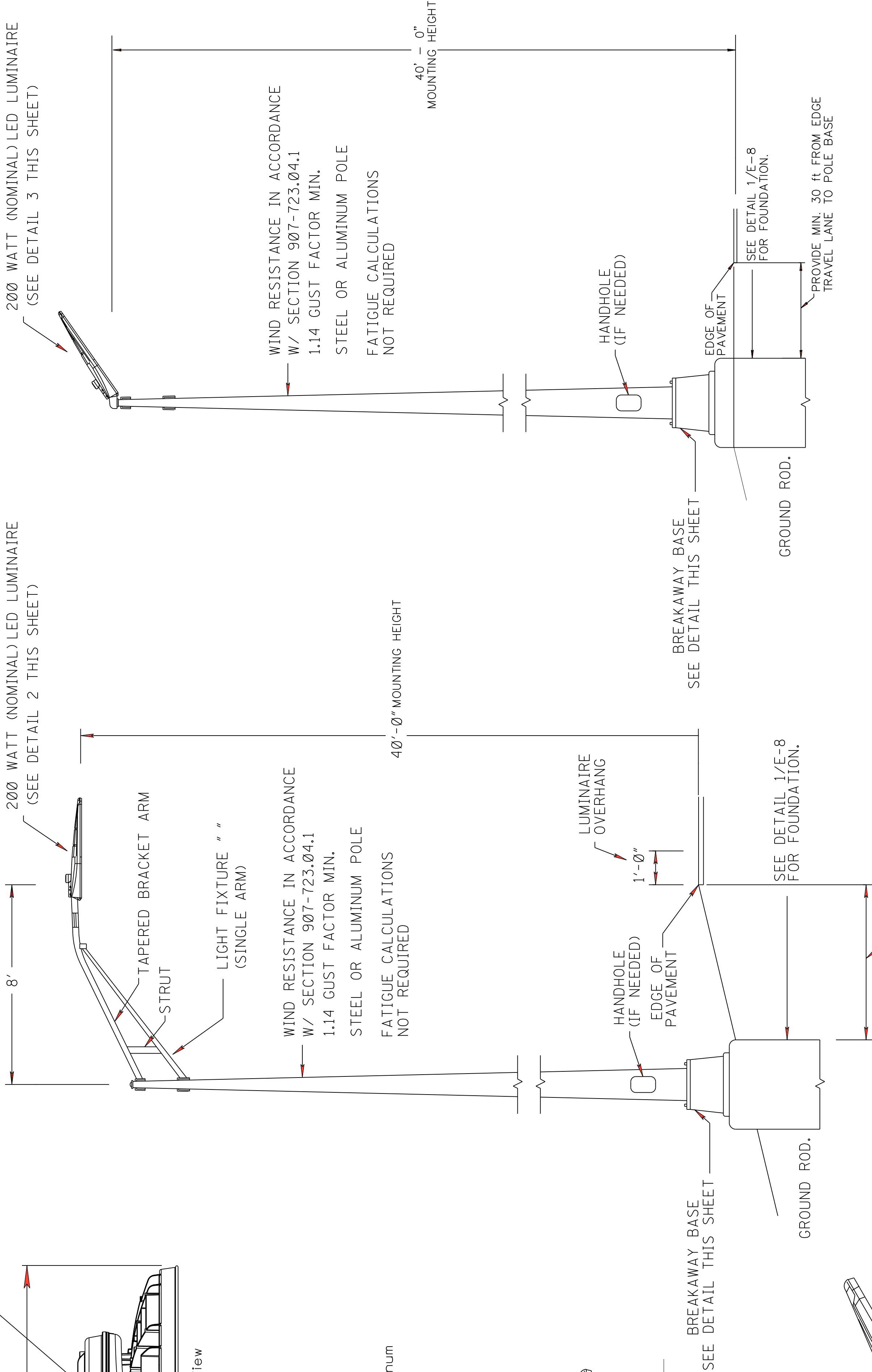
2 LUMINAIRE-LOWMAST LIGHTING ASSEMBLY DETAIL

LUMINAIRE REQUIREMENTS - REFER TO SPECIFICATIONS



3 LUMINAIRE-LOWMAST LIGHTING ASSEMBLY DETAIL

LUMINAIRE REQUIREMENTS - REFER TO SPECIFICATIONS



5 TYPICAL LOW MAST LIGHTING ASSEMBLY

N.T.S.

4 TYPICAL LOWMAST LIGHTING ASSEMBLY WITH 8FT MAST ARM DETAIL

N.T.S.



1st O. REV.

SUMMARY OF QUANTITIES

PAY ITEM NO.	PAY ITEM	QUANTITIES				TOTALS			
		UNIT	PRELIMINARY	FINAL	PRELIMINARY	FINAL	PRELIMINARY	FINAL	
640-A	**** TRAFFIC SIGNAL ITEMS ****								
	TRAFFIC SIGNAL HEADS, TYPE 7 LED	EACH	1	1	0	- 0 -	1	1	
642-A	SOLID STATE TRAFFIC ACTUATED CONTROLLERS, TYPE 8A	EACH	2	2	0	- 0 -	2	2	
647-A	PULLBOX, TYPE 1	EACH	14	14	0	- 0 -	14	14	
647-A	PULLBOX, TYPE 2	EACH	9	9	0	- 0 -	9	9	
649-A	VIDEO VEHICLE DETECTION, NEW INSTALLATION, 1 CAMERA	EACH	5	6	0	- 0 -	5	6	
666-B	ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 8, 2 CONDUCTOR	LINEAR FOOT	1904	1,000	0	- 0 -	1904	- 0 -	
668-B	ELECTRIC CABLE, UNDERGROUND IN CONDUIT, IMSA 20-1, AWG 14, 7 CONDUCTOR	LINEAR FOOT	1548	1,487	0	- 0 -	1548	1,487	
669-A	TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 1"	LINEAR FOOT	3430	1,172	0	- 0 -	3430	1,172	
669-A	TRAFFIC SIGNAL CONDUIT, UNDERGROUND, TYPE 4, 2"	LINEAR FOOT	189	254	0	- 0 -	189	254	
669-B	TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE 2"	LINEAR FOOT	258	181	0	- 0 -	258	181	
669-B	TRAFFIC SIGNAL CONDUIT, UNDERGROUND DRILLED OR JACKED, ROLLED PIPE 3"	LINEAR FOOT	353	374	0	- 0 -	353	374	
	**** LIGHTING ITEMS ****								
682-A	UNDERGROUND BRANCH CIRCUIT, AWG 8, 3 CONDUCTOR	LINEAR FOOT	4355	4,050	0	- 0 -	4355	4,050	
682-A	UNDERGROUND BRANCH CIRCUIT, AWG 6, 3 CONDUCTOR	LINEAR FOOT	1469	1,701	6157	5,696	7628	7,397	
682-A	UNDERGROUND BRANCH CIRCUIT, AWG 4, 3 CONDUCTOR	LINEAR FOOT	2216	2,148	805	633	3021	2,781	
682-A	UNDERGROUND BRANCH CIRCUIT, AWG 3, 3 CONDUCTOR	LINEAR FOOT	4998	4,311	3530	3,474	8528	7,785	
682-A	UNDERGROUND BRANCH CIRCUIT, AWG 2, 3 CONDUCTOR	LINEAR FOOT	7733	7,217	0	- 0 -	7733	7,217	
682-A	UNDERGROUND BRANCH CIRCUIT, AWG 1, 3 CONDUCTOR	LINEAR FOOT	0	- 0 -	73	457	73	457	
682-B	UNDERGROUND BRANCH CIRCUIT, JACKED OR BORED, 6AWG, 3 CONDUCTOR	LINEAR FOOT	415	416	0	- 0 -	415	416	
682-B	UNDERGROUND BRANCH CIRCUIT, JACKED OR BORED, AWG 6, 3 CONDUCTOR	LINEAR FOOT	116	80	853	1,155	969	1,235	
682-B	UNDERGROUND BRANCH CIRCUIT, JACKED OR BORED, AWG 4, 3 CONDUCTOR	LINEAR FOOT	284	366	190	270	484	636	
682-B	UNDERGROUND BRANCH CIRCUIT, JACKED OR BORED, AWG 3, 3 CONDUCTOR	LINEAR FOOT	482	692	255	320	737	1,012	
682-B	UNDERGROUND BRANCH CIRCUIT, JACKED OR BORED, AWG 2, 3 CONDUCTOR	LINEAR FOOT	691	815	0	- 0 -	691	815	
682-B	UNDERGROUND BRANCH CIRCUIT, JACKED OR BORED, AWG 1, 3 CONDUCTOR	LINEAR FOOT	0	- 0 -	49	90	49	90	
682-D	UNDERGROUND PULL BOX	EACH	14	13	14	14	28	27	
682-F	SECONDARY POWER CONTROLLERS	EACH	3	3	1	1	4	4	
683-A	LIGHTING ASSEMBLY, HIGH MAST, TYPE 100-B-S	EACH	1	1	0	- 0 -	1	1	
683-A	LIGHTING ASSEMBLY, HIGH MAST, TYPE 100-E-S	EACH	1	1	2	2	3	3	
683-A	LIGHTING ASSEMBLY, HIGH MAST, TYPE 100-L-S	EACH	1	1	1	1	2	2	
683-A	LIGHTING ASSEMBLY, HIGH MAST, TYPE 100-L-A	EACH	8	8	2	2	10	10	
683-A	LIGHTING ASSEMBLY, HIGH MAST, TYPE 120-L-A	EACH	0	- 0 -	1	1	1	1	
683-A	LIGHTING ASSEMBLY, HIGH MAST, TYPE 130-E-S	EACH	2	2	0	- 0 -	2	2	
683-A	LIGHTING ASSEMBLY, HIGH MAST, TYPE 130-E-S	EACH	3	3	1	1	4	4	
683-B	LIGHTING ASSEMBLY, LOW MAST, TYPE 40-L-O-400	EACH	5	5	6	6	11	11	
683-B	LIGHTING ASSEMBLY, LOW MAST, TYPE 40-L-E-400	EACH	8	8	8	8	16	16	
683-D	PORTABLE ELECTRIC POWER UNITS	EACH	1	1	0	- 0 -	1	1	
684-A	POLE FOUNDATIONS, 24" DIAMETER	CUBIC YARD	25	15,132	23	16,296	48	31,428	
684-A	POLE FOUNDATIONS, 36" DIAMETER	CUBIC YARD	54	53,670	27	26,835	81	80,505	
684-A	POLE FOUNDATIONS, 48" DIAMETER	CUBIC YARD	74	73,073	24	23,737	98	96,810	
684-B	SUP CASINGS, 24" DIAMETER	LINEAR FOOT	10	32	0	- 0 -	10	32	
684-B	SUP CASINGS, 36" DIAMETER	LINEAR FOOT	20	35	0	- 0 -	20	35	
684-B	SUP CASINGS, 48" DIAMETER	LINEAR FOOT	24	32	0	- 0 -	24	32	
682-A	Underground Branch Circuit, AWG 1/0, 3 Conductor S/A	LF	- 0 -	629	- 0 -	- 0 -	- 0 -	629	
682-A	Underground Branch Circuit, AWG 4/0, 3 Conductor S/A	LF	- 0 -	991	- 0 -	- 0 -	- 0 -	991	
682-B	Underground Branch Circuit, Jack or Bored, AWG 1/0, 3 Conductor S/A	LF	- 0 -	84	- 0 -	- 0 -	- 0 -	84	
682-B	Underground Branch Circuit, Jack or Bored, AWG 4/0, 3 Conductor S/A	LF	- 0 -	149	- 0 -	- 0 -	- 0 -	149	
682-D	Underground Pull Box S/A	EA	- 0 -	2	- 0 -	- 0 -	- 0 -	2	
682-B	Requisite Work (Abandonment of Conduit, All Sizes) S/A	LS	- 0 -	1	- 0 -	- 0 -	- 0 -	1	
640-A-019	Traffic Signal Head Type 3 Led S/A	EA	- 0 -	1	- 0 -	- 0 -	- 0 -	1	
	**** BRIDGE ITEMS ****								
699-A	ROADWAY CONSTRUCTION STAKES	LUMP SUM	100%	100 %	0%	0 %	100%	100 %	
815-A	LOOSE RIPRAP, SIZE 300	TON	2580	2,654.42	0	- 0 -	2580	2,654.42	
815-E	GEOTEXTILE UNDER RIPRAP, TYPE V	SQUARE YARD	704	5,730.61	0	- 0 -	704	5,730.61	
815-F	SEDIMENT CONTROL STONE	TON	410	376.50	0	- 0 -	410	376.50	

DESIGN TEAM: Florence & Hutcheson, Inc.

COUNTY : UNION / PONTOTOC

PROJECT No. SP-0006-01(087)

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
(ROADWAY)

PROJECT NO. SP-0006-01(087)
COUNTY : UNION / PONTOTOC

WORKING NUMBER
SO-5

FILENAME: SSS.dgn
DESIGN TEAM: F&H, Inc. CHECKED: DATE: 26

DATE: 26

REVISION

ADDED LIGHTING QUANTITIES

BY

FOR INFORMATION PURPOSES ONLY

FMS CON: 108142/301000

PROJECT NO.: IM-0006-01(099)

COUNTY: UNION

DESIGNED BY:

DETAILED BY:

CHECKED BY:

DATE:

ADDENDUM

SHEET ID
IPO-1

SHEET NO.
4006

- (35) INCLUDES 1984 TONS FOR SILT BASINS AND 916 TONS FOR DITCHES.
- (36) WHEN SILT BASINS ARE REMOVED AREAS ARE TO BE REDRESSED STABILIZED & SEED. RIP RAP AND SEDIMENT STONE SHALL BE REMOVED AND REPLACED AT PERMANENT LOCATIONS AS DIRECTED BY THE ENGINEER. ALL COST FOR REDRESSING AREAS, REMOVAL AND REPLACEMENT OF THE STONE IS TO BE ASSORBED IN THE PAY ITEM FOR THE SILT BASIN.
- (37) SIZE NO. 57 STONE FOR TYPE D SILT BASINS.
- (38) SHALL MEET THE REQUIREMENTS COARSE STABILIZER AGGREGATE SIZE FOR II SUBSECTIONS 703.20.02 AND 703.20.03.
- (39) QUANTITY SHOWN FOR ESTIMATING PURPOSES ONLY. ACTUAL QUANTITY AND PLACEMENT TO BE DIRECTED BY THE ENGINEER.

* FOR INFORMATION PURPOSES ONLY *

A

1st O. REV.

LIGHTING NOTES:

- 1

ALL LIGHTING ASSEMBLY LOCATIONS WILL BE STAKED IN THE FIELD BY MOOT. CONTRACTOR SHALL PLACE THE ASSEMBLIES AS STAKED UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
- 2

ALL QUANTITIES SHOWN FOR BRANCH CIRCUIT ARE APPROXIMATE AND MAY NOT REFLECT LENGTHS REQUIRED BY THE TERRAIN IN THE FIELD.
- 3

EXISTING UNDERGROUND UTILITY LINES ARE SHOWN ON THE DRAWINGS BASED UPON THE BEST INFORMATION AVAILABLE TO THE ENGINEER. THE ENGINEER CANNOT AND DOES NOT WARRANT THAT THIS INFORMATION IS COMPLETE OR ACCURATE. THE CONTRACTOR MUST COORDINATE DIRECTLY WITH THE INVOLVED UTILITY OWNERS TO HAVE UNDERGROUND UTILITY LINES FIELD LOCATED IN ADVANCE OF CONSTRUCTION.
- 4

DISPOSAL OF EXCESS MATERIALS SHALL BE ABSORBED FOR PAYMENT IN OTHER ITEMS.
- 5

CONTRACTOR SHALL PROVIDE TOUCH UP GALVANIZING SUPPLIED BY POLE MANUFACTURER TO MATCH POLE FINISH.
- 6

METAL POLES SHALL BE SHIPPED TO SITE LOCATION ON TRUCKS AND SECURED WITH NYLON OR OTHER SUITABLE TIE DOWN MEANS TO PREVENT DAMAGE TO POLE SURFACE. UNDER NO CIRCUMSTANCES ARE CABLE OR CHAIN LASHING TO BE USED.

LIGHTING LEGEND:

HA-5

HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT *.
120" POLE, (6) 1000 WATT H.P. S. LUMINAIRES (TYPE 100-6-S)

HA-14

HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT *.
100" POLE, (6) 1000 WATT H.P. S. LUMINAIRES (TYPE 100-6-S)

HA-13

HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT *.
100" POLE, (4) 1000 WATT H.P. S. LUMINAIRES (TYPE 100-4-S)

HA-1

HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT *.
100" POLE, (4) 1000 WATT H.P. S. LUMINAIRES (TYPE 100-4-A)

HA-19

HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT *.
120" POLE, (4) 1000 WATT H.P. S. LUMINAIRES (TYPE 120-4-A)

HA-8

HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT *.
130" POLE, (6) 1000 WATT H.P. S. LUMINAIRES (TYPE 130-6-S)

HA-7

HIGH MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT *.
130" POLE, (6) 1000 WATT H.P. S. LUMINAIRES (TYPE 130-6-S)

LA-1

LOW MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT *.
40" POLE, (1) 400 WATT H.P. S. LUMINAIRE (TYPE 40-1-0-400)

LA-4

LOW MAST LIGHTING ASSEMBLY, DESIGNATION AND CIRCUIT *.
40" POLE, (1) 400 WATT H.P. S. LUMINAIRE (TYPE 40-1-0-400)

UNDERGROUND SECONDARY BRANCH CIRCUIT, NUMBER OF CONDUCTORS, SIZE OF CONDUCTORS, SIZE OF CONDUIT, SIZE OF CONDUIT AND CONDUCTORS. "L" DENOTES EQUIPMENT GROUND.

SECONDARY POWER CONTROLLER *1

UNDERGROUND PULL BOX

EXISTING OVERHEAD POWER LINE

EXISTING UTILITY CO. POWER POLE

NEW POWER POLE PROVIDED BY CONTRACTOR

EXISTING UNDERGROUND WATER LINE

EXISTING DRAINAGE STRUCTURE, DIRECTION OF FLOW

EXISTING TELEPHONE LINE

EXISTING TELEPHONE POLE

EXISTING TRAFFIC SIGNAL POLE

EXISTING SAFETY GUARDRAIL

UNDERGROUND BRANCH CIRCUIT, JACKED OR BORED, LENGTH

ABBREVIATIONS:

- Ø

A. W. G.

-

AT
- B. O. P.

-

AMERICAN WIRE GAUGE
- BRCH.

-

BEGINNING OF PROJECT
- CKT

-

BRANCH
- CL

-

CONDUIT
- CL

-

CIRCUIT
- C. Y.

-

CENTER LINE
- EA.

-

CUBIC YARDS
- E. O. P.

-

EACH
- EXP.

-

END OF PROJECT
- G

-

EXPOSED
- H. P. S.

-

GROUND
- I. E. S.

-

HIGH PRESSURE SODIUM
- LA-3, HA-1

-

ILLUMINATING ENGINEERING SOCIETY
- L. F.

-

LIGHTING ASSEMBLY - NUMBER
- L. S.

-

LINEAR FOOT
- L.T.

-

LUMP SUM
- MOOT

-

LEFT
- NE

-

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
- NW

-

NORTHEAST
- O. C.

-

NORTHWEST
- PAV. T

-

ON CENTER
- PVC

-

PAVEMENT
- RT.

-

POLYVINYL CHLORIDE
- SE

-

RIGHT
- S. F.

-

SOUTHEAST
- S. P. C.

-

SQUARE FEET
- SW

-

SECONDARY POWER CONTROLLER
- THW

-

SOUTHWEST
- UNGD.

-

THERMOPLASTIC HEAT AND MOISTURE RESISTANT UNDERGROUND

ADDENDUM

DESIGNED BY:

CHECKED BY:

DATE:

FMS CON: 108142/301000

PROJECT NO.: IM-0006-01(099)

COUNTY: UNION

FOR INFORMATION PURPOSES ONLY

SHEET ID
IPO-2

SHEET NO.
4007

STATE

PROJECT NO.

MISS.

SP-0006-01(087)

Barry

* FOR INFORMATION PURPOSES ONLY *

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

US 78

INTERCHANGE LIGHTING

LIGHTING LEGEND, ABBREVIATIONS, & LIGHTING NOTES

PROJECT NO. SP-0006-01(087)

COUNTY : UNION / PONTOTOC

WORKING NUMBER
E-1

SHEET NUMBER
100.47

FILENAME: G-1.dgn

DESIGN TEAM: HESM/A

CHECKED: MLI

DATE: 12/2/89

ADDED SHEET:

REVISION:

BY:

F&H

PROJECT No. SP-0006-01(087)

COUNTY : UNION / PONTOTOC

FILENAME: e-1.dgn

DESIGN TEAM: HESM & A

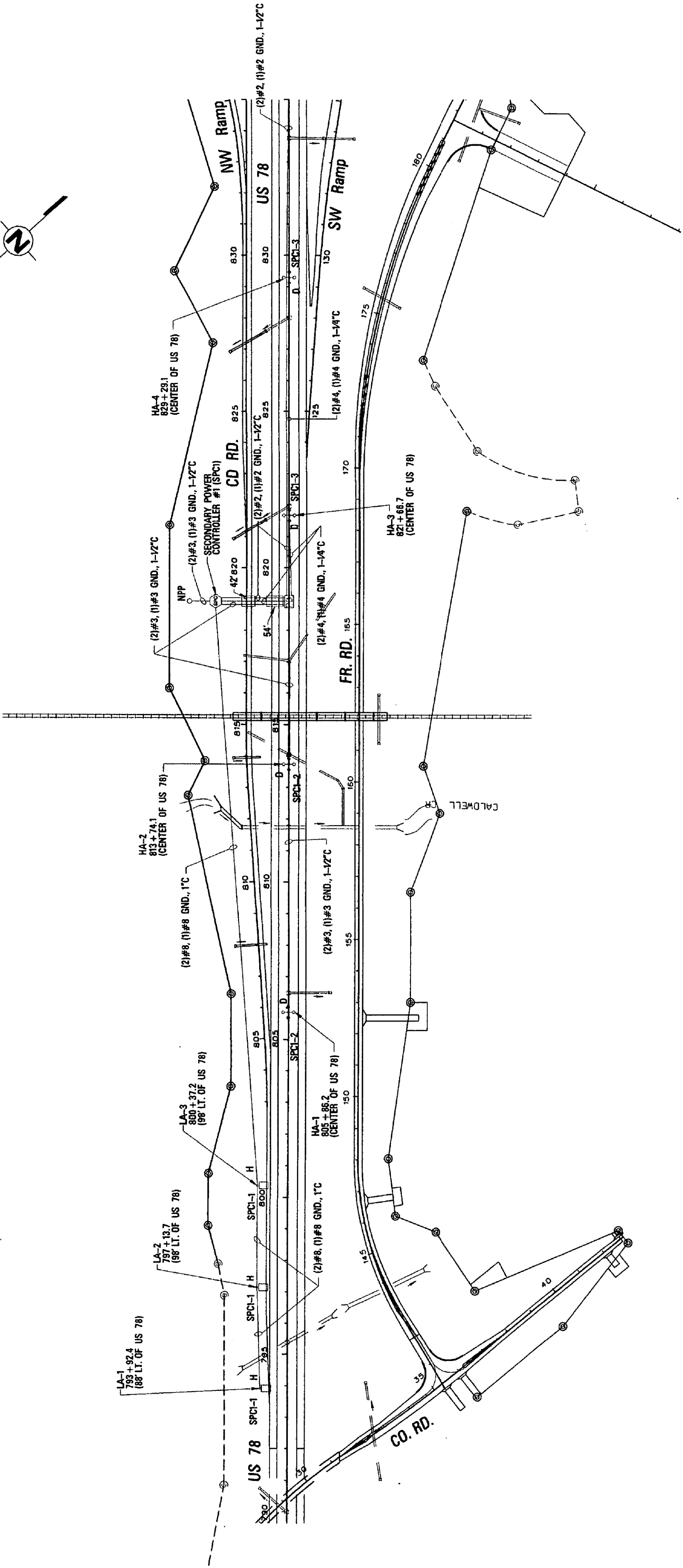
MISSISSIPPI DEPARTMENT OF TRANSPORTATION
ROADWAY DESIGN DIVISION

8/1/23/2009 13:15:37 E-1.dgn



VENICE

Samuel Johnson



INTERCHANGE LIGHTING PLAN – PART "A"

SCALE: 1" = 200'

* FOR INFORMATION PURPOSES ONLY *

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	WORKING NUMBER E-2
PROJECT No: SP-0005-01(087)	SHEET NUMBER 100.48
COUNTY: UNION /PONTOTOC	
US 78	
INTERCHANGE LIGHTING	
BOP TO STA. 835+00	
FILE NAME: e-2.dgn	
DESIGN TEAM HES&KA	CHECKED MLT
DATE	
1/24/99	
ADDED SHEET	
REVISION	
BY	
FAH	

FILENAME: e-2.dgn

PROJECT No. SP-0006-01(087)

COUNTY : UNION / PONTOTOC



ADDENDUM

DESIGNED BY:
CHECKED BY:
DATE:

FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

FOR INFORMATION PURPOSES ONLY

SHEET ID
IPO-4
SHEET NO.
4009

STATE: MISS.
PROJECT NO.: SP-0006-01(087)

Bany

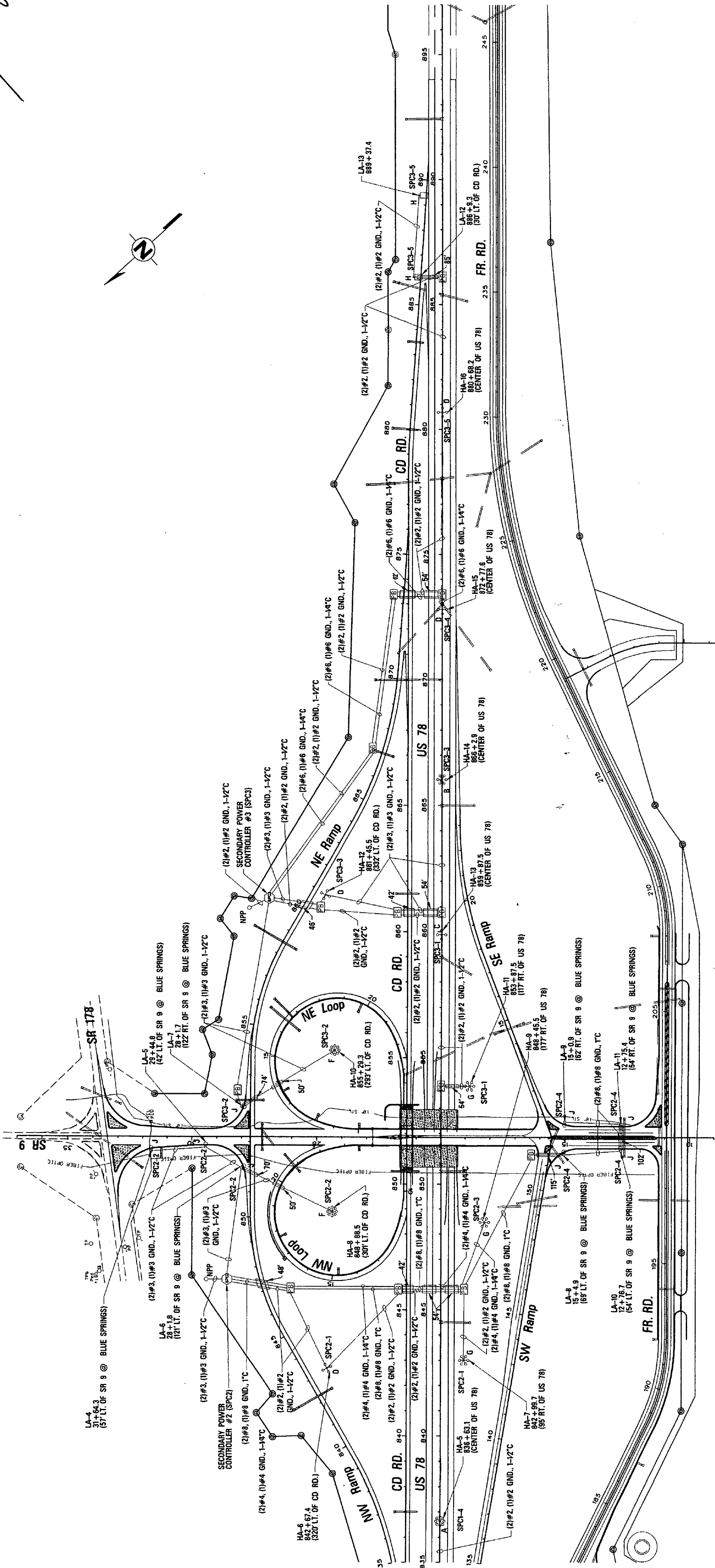
★ FOR INFORMATION PURPOSES ONLY ★

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
US 78	
INTERCHANGE LIGHTING	
STA 835+00 TO STA 897+00	
PROJECT NO. SP-0006-01(087)	
COUNTY : UNION / PONTOTOC	
WORKING NUMBER E-3	SHEET NUMBER 100.49
DATE 1/23/09	FILE NAME: E-3.dgn
DESIGN TEAM HESM & A	CHECKED MLT

1
5-3
INTERCHANGE LIGHTING PLAN - PART "B"
SCALE: 1" = 200'

DESIGN TEAM: HESM & A
FILENAME: e-3.dgn
COUNTY : UNION / PONTOTOC
PROJECT No. SP-0006-01(087)

1st O. REV.





ADDENDUM

DESIGNED BY:
CHECKED BY:
DATE:

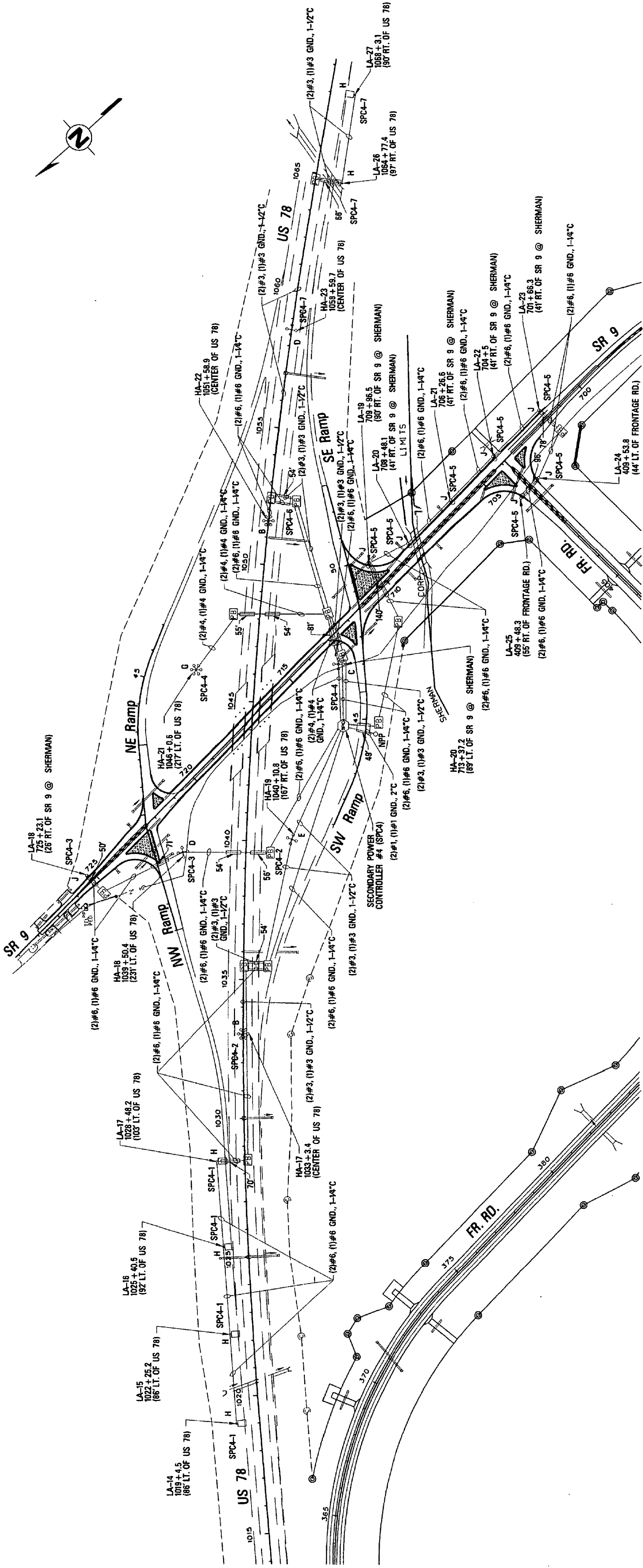
FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

FOR INFORMATION PURPOSES ONLY

SHEET ID
IPO-5
SHEET NO.
4010

STATE: MISS.
PROJECT NO.: SP-0006-01(087)

Barry



INTERCHANGE LIGHTING PLAN AT SHERMAN

SCALE: 1" = 200'

1
E-4

* FOR INFORMATION PURPOSES ONLY *

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	
US 78	
INTERCHANGE LIGHTING	
US 78 LIGHTING AT THE SHERMAN INTERCHANGE	
PROJECT NO. SP-0006-01(087)	
COUNTY : UNION / PONTOTOC	
FILENAME: 0-4.dgn	DATE: 1/2/09
DESIGN TEAM: HESMA	CHECKED: WLT
WORKING NUMBER: E-4	SHEET NUMBER: 100.50

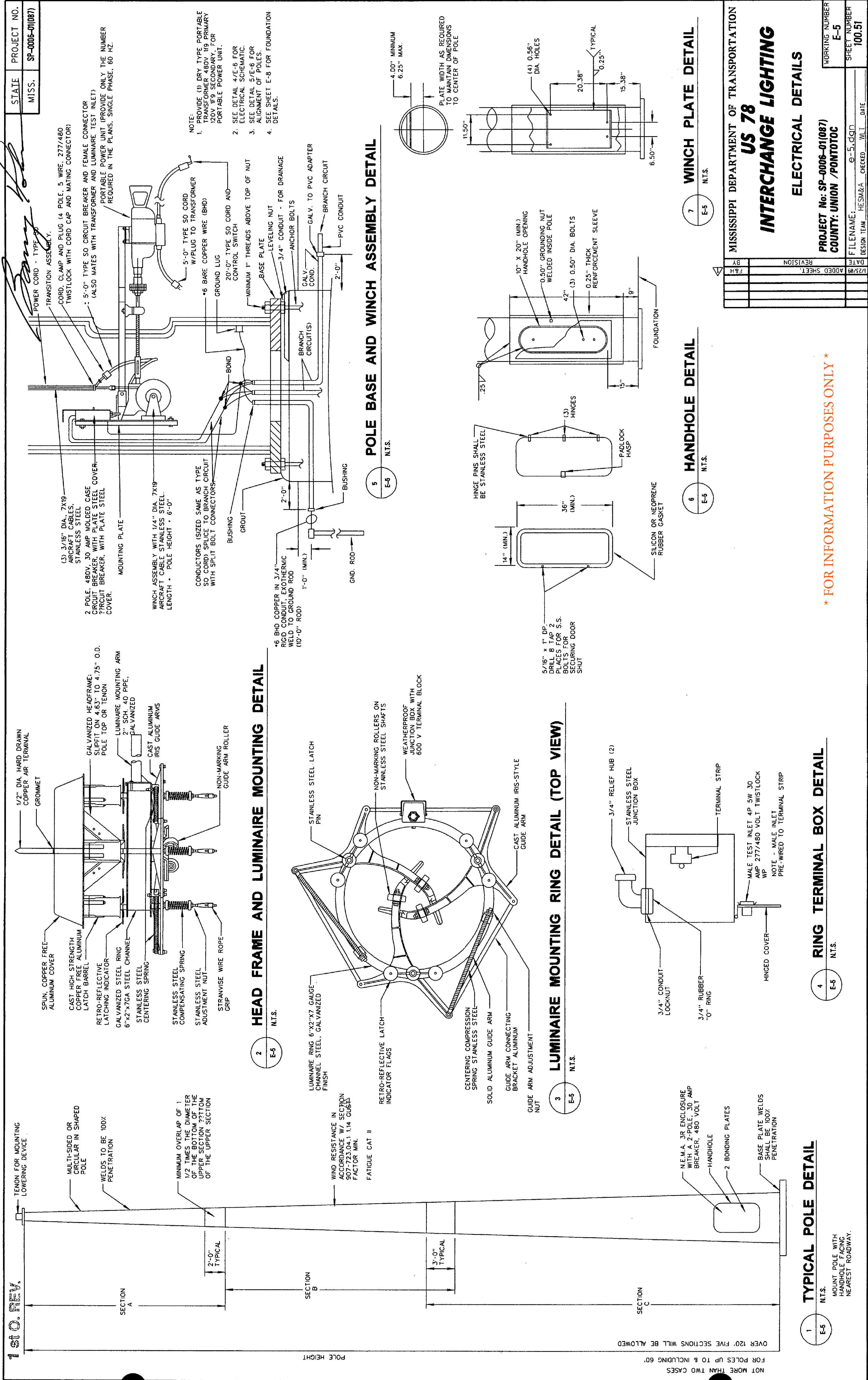
PROJECT No. SP-0006-01(087)

COUNTY : UNION / PONTOTOC

FILENAME: e-4.dgn

DESIGN TEAM: HESM & A

1st O. REV.



DESIGN TEAM: HESM & A
 FILENAME: e-5.dgn
 COUNTY : UNION / PONTOTOC
 PROJECT No. SP-0006-01(087)

COUNTY : UNION / PONTOTOC

FILENAME: e-5.dgn

DESIGN TEAM: HESM & A

FOR INFORMATION PURPOSES ONLY

SHEET NO.
4011

FMS CON: 108142/301000

PROJECT NO.: IM-0006-01(099)

COUNTY: UNION

DESIGNED BY:

DETAILED BY:

DETAILED BY:

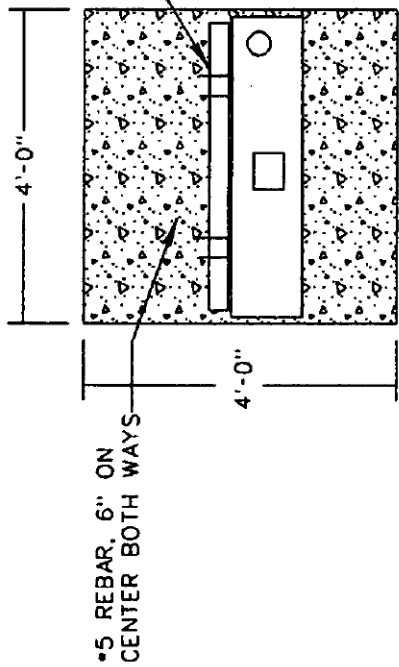
DATE:



ADDENDUM

CUTOFF LUMINAIRE (I.E.S. TYPE V) OPEN VENTILATED TYPICAL LUMINAIRE MAY BE FURNISHED WITH NO REFRACTOR, OR WITH SHIELD. SEE SPECIFICATIONS

N.T.S.

[illegible]

SIDE VIEW

N.T.S.

→ UNDERGROUND SERVICE CONDUIT SHALL BE PAID FOR
AS UNDERGROUND BRANCH CIRCUIT

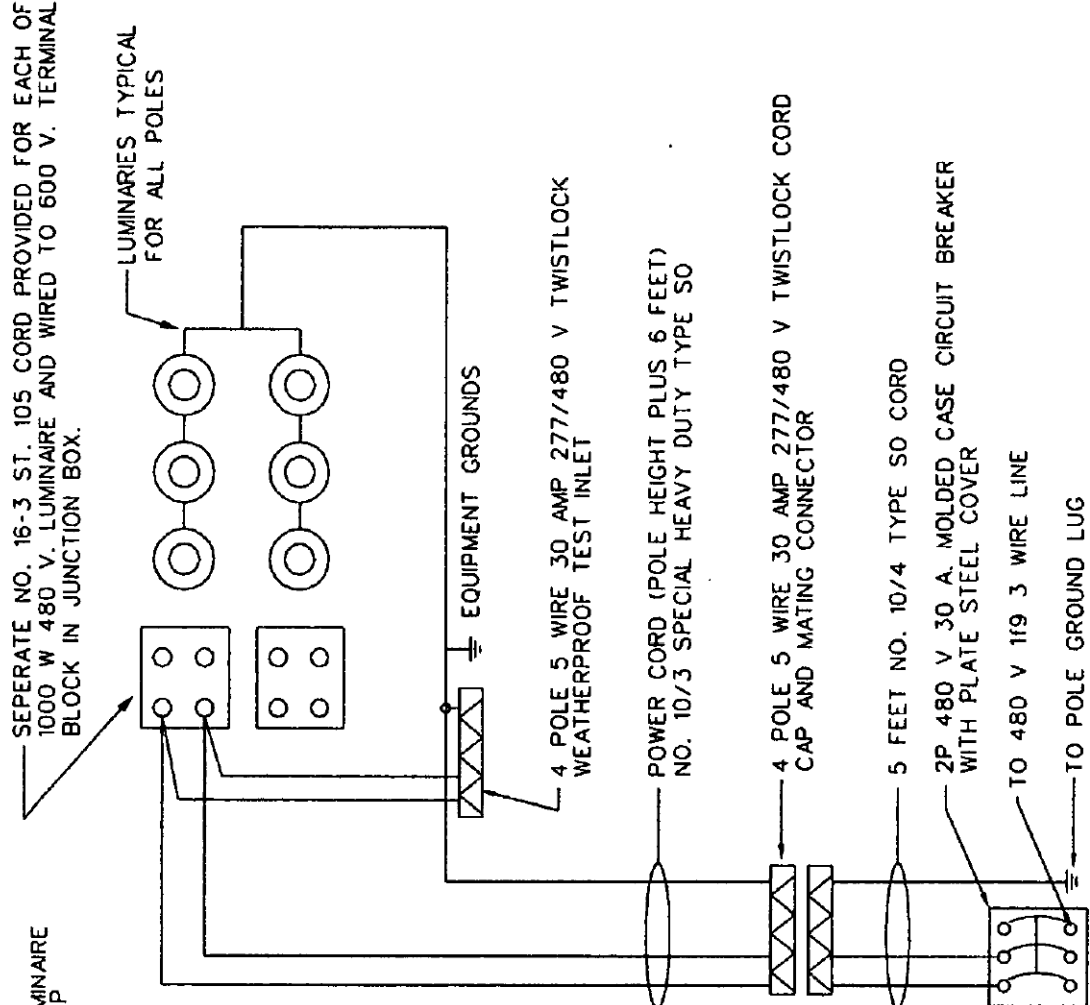


HIGH MAST POLES DETAIL

N.T.S.
NOTE: SEE SPECIFICATIONS FOR CLAIRIFICATION ON POLE ALIGNMENT

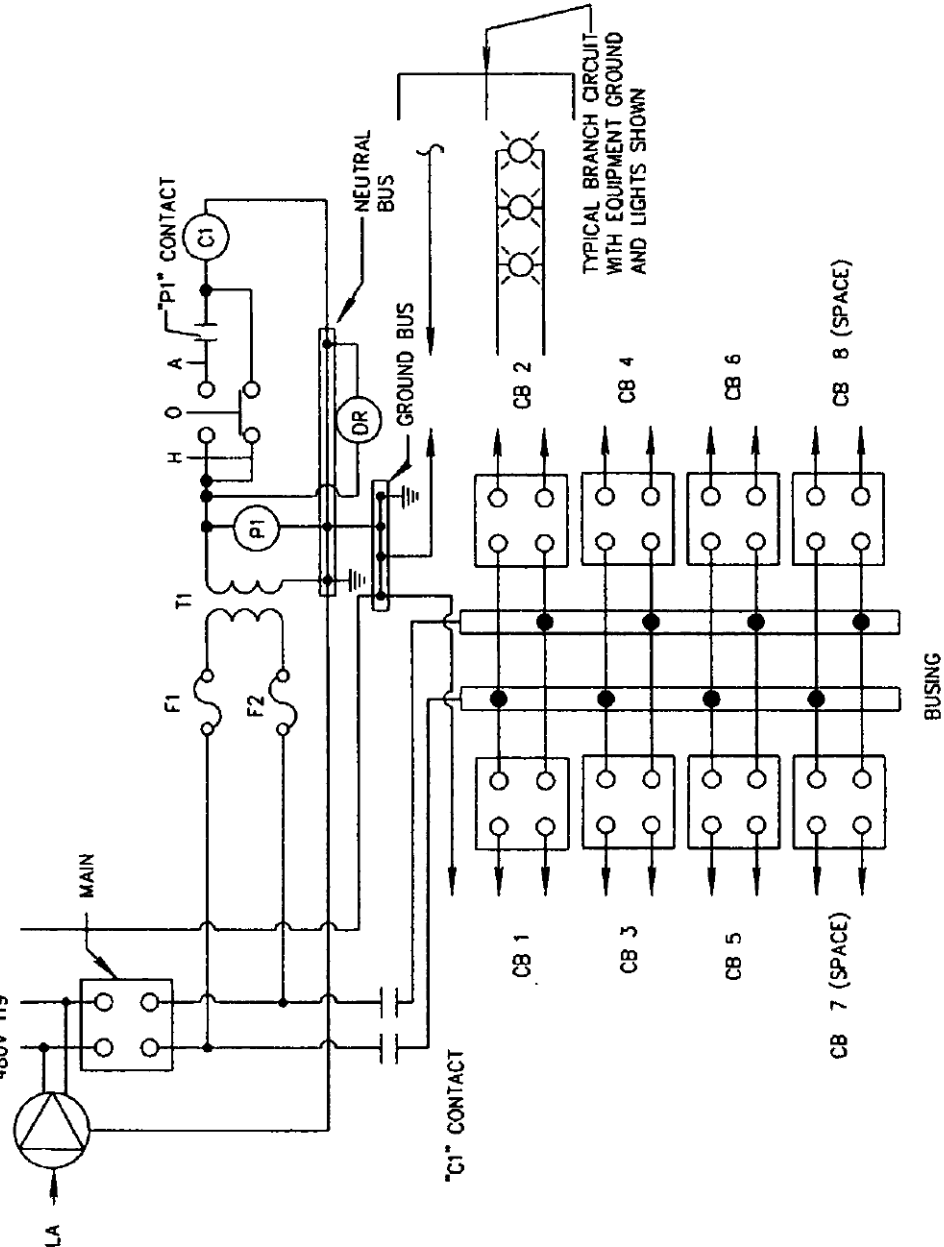


NOTE: CONDUIT DEPTH TO BE 36" UNDER ROADWAYS.



N.T.S.

N.T.S.



MAIN CIRCUIT BREAKER 200A -480V 2POLE
F1, F2 TRANSFORMER FUSES - 600V, 5 AMP
T1 - CONTROL TRANSFORMER - 480V PRI 120V SEC., 1000VA
H.O.A. - HAND-OFF-AUTO. SELECTOR SWITCH
C1 - CONTACTOR
CB - BRANCH CIRCUIT BREAKER (NO. AS REQ'D ON SCHEDULE)
K L.A. - LIGHTNING ARRESTER
DR - DUPLEX RECEPTACLE
* P1 - PHOTOELECTRIC CONTROL

NOTE

ALL COMPONENTS LOCATED INSIDE NEMA 3R
EXCEPT THOSE NOTED WITH (*)

LABEL BREAKERS AS TO CIRCUIT NUMBER
USE PHENOLIC ENGRAVED LABELS

* FOR INFORMATION PURPOSES ONLY *

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
US 78

INTERCHANGE LIGHTING

LIGHTING DETAILS

PROJECT No: SP-0006-01(087)
COUNTY: UNION /PONTOTOC

[illegible]

PROJECT No. SP-0006-01(087)

COUNTY : UNION / PONTOTOC

FILENAME: e-6.dgn

DESIGN TEAM: HESM & A



ADDENDUM

DESIGNED BY:
CHECKED BY:
DATE:

FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

FOR INFORMATION PURPOSES ONLY

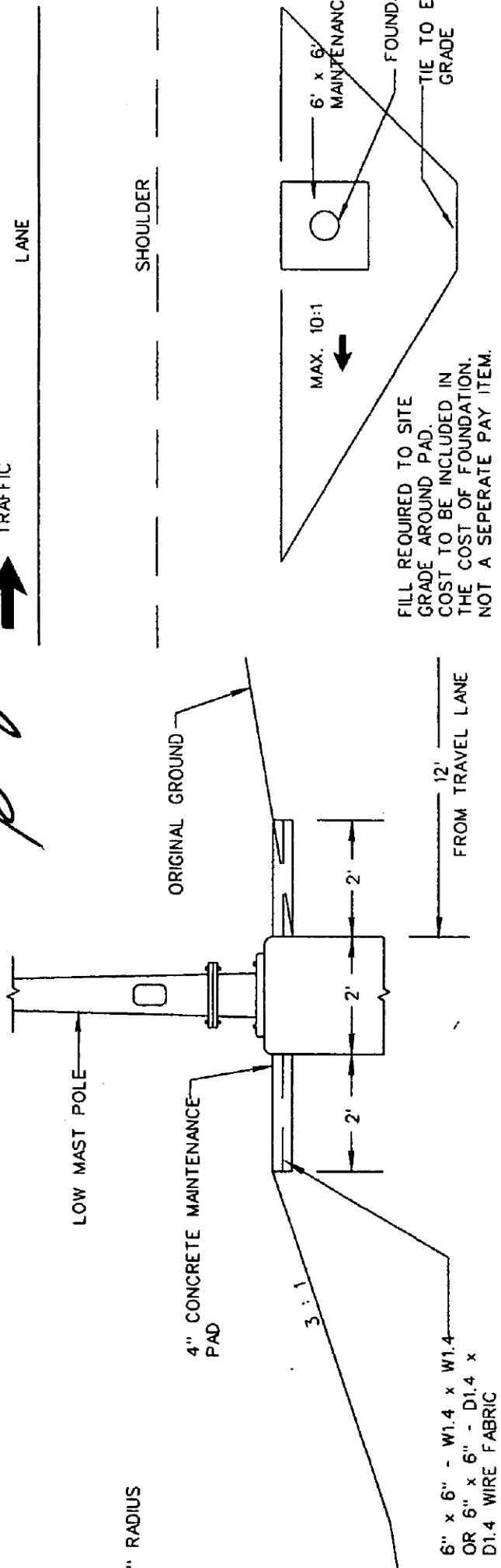
SHEET ID
IPO-8
SHEET NO.
4013

STATE PROJECT NO.
MISS. SP-0006-01(087)

TRAFFIC

LANE

SHOULDER

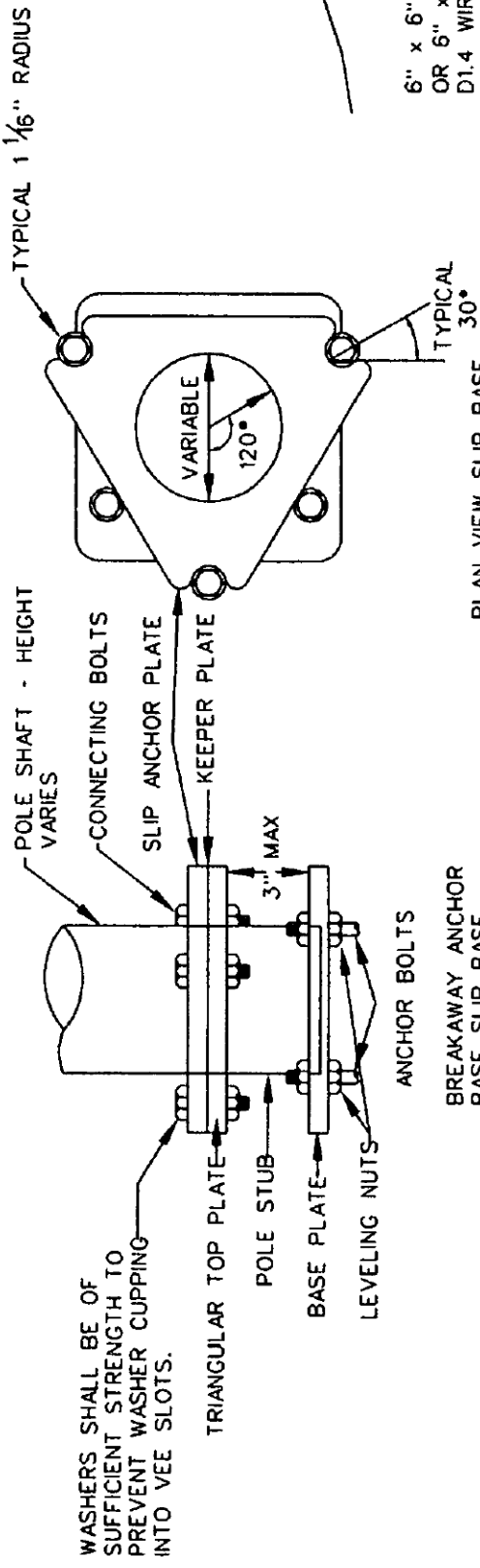


PLAN VIEW

N.T.S.

5 TYPICAL MAINTENANCE PAD DETAIL FOR LOW MAST LIGHTS

N.T.S.



SIDE VIEW

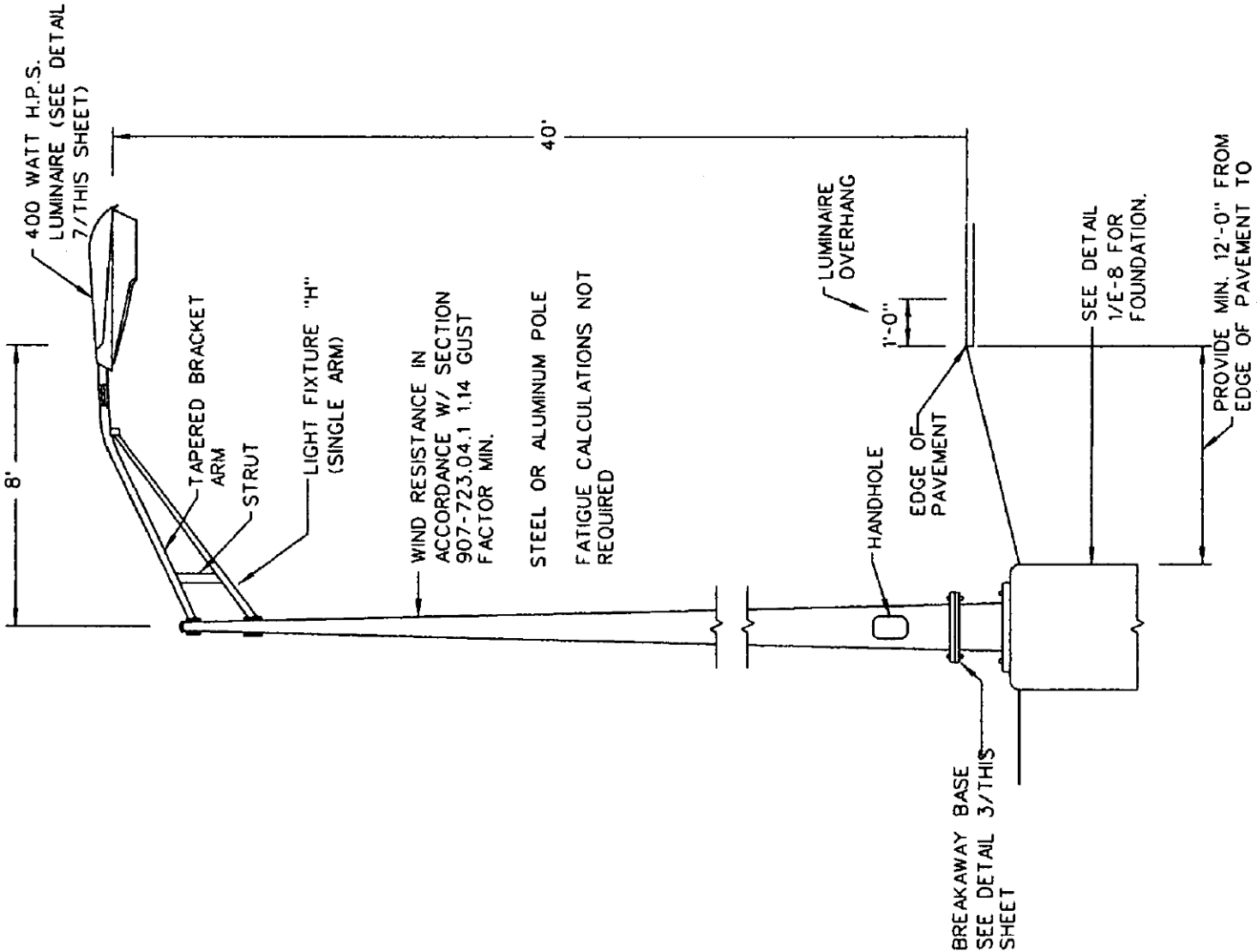
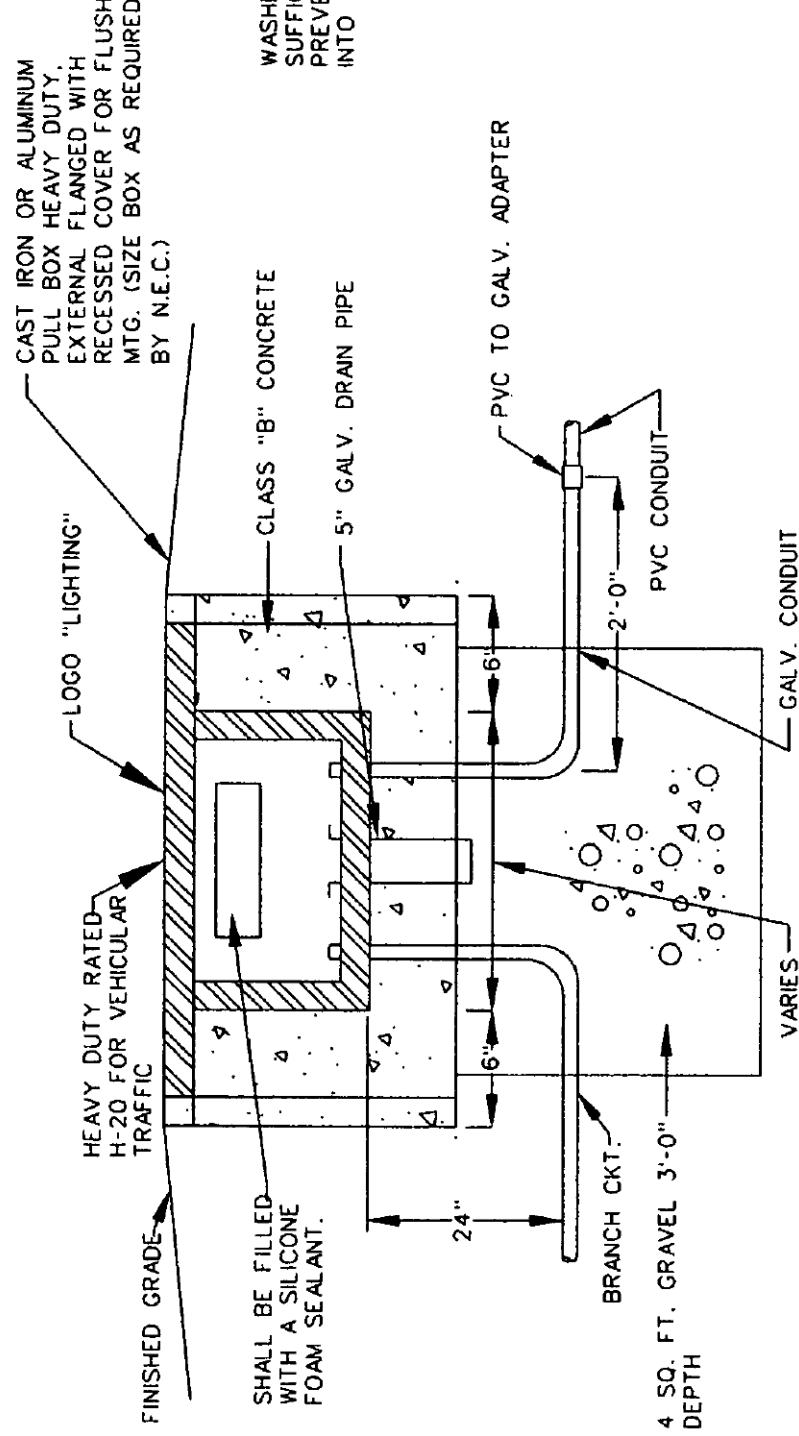
N.T.S.

3 BREAKAWAY - SLIP BASE TYPICAL

N.T.S.

1 UNDERGROUND PULL BOX DETAIL

N.T.S.



2 TYPICAL LOWMAST LIGHTING ASSEMBLY DETAIL

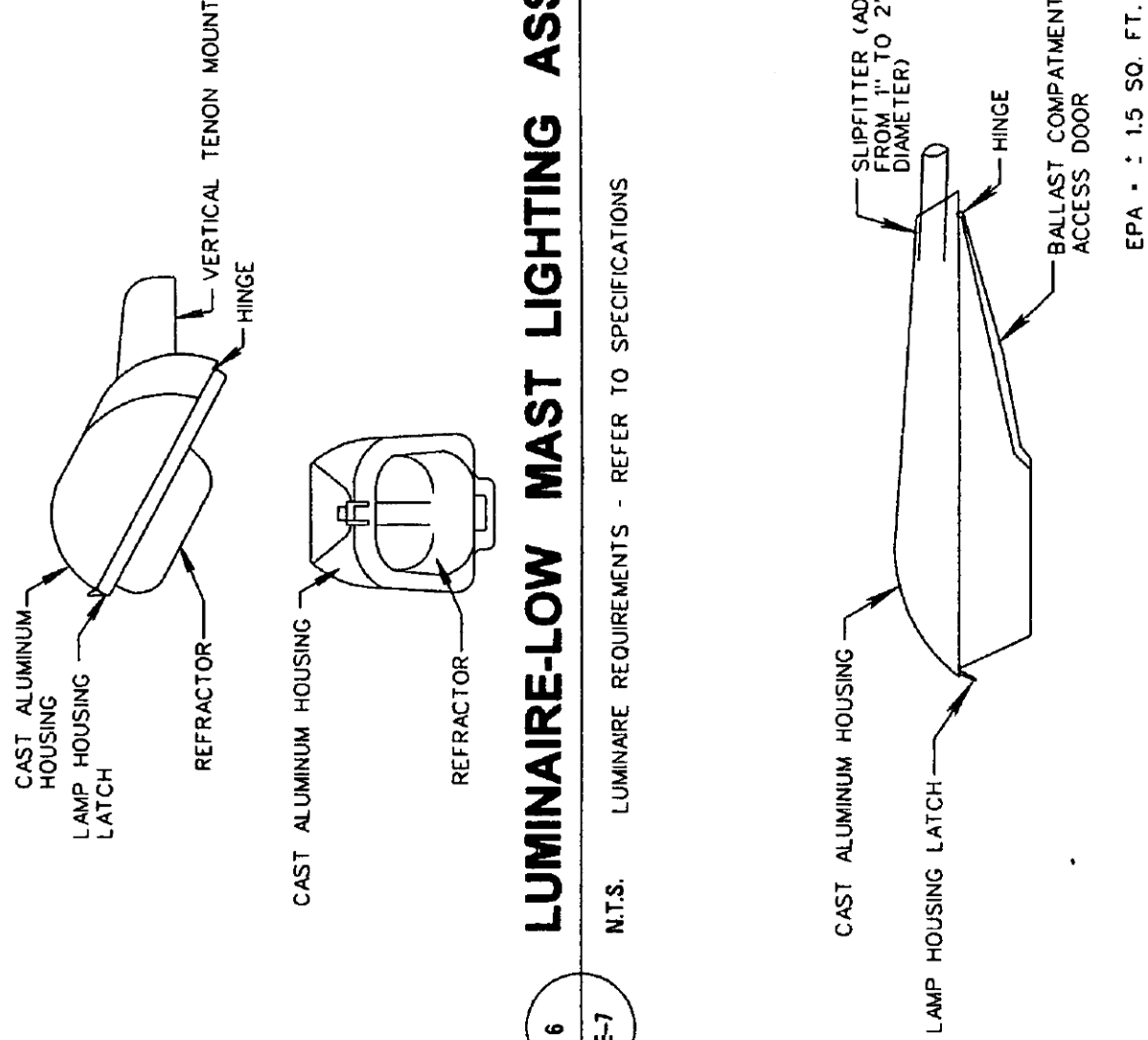
N.T.S.

4 TYPICAL LOWMAST LIGHTING ASSEMBLY DETAIL

N.T.S.

6 LUMINAIRE-LOW MAST LIGHTING ASSEMBLY

N.T.S. LUMINAIRE REQUIREMENTS - REFER TO SPECIFICATIONS



7 LUMINAIRE-LOWMAST LIGHTING ASSEMBLIES

N.T.S.

* FOR INFORMATION PURPOSES ONLY *

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

US 78

INTERCHANGE LIGHTING

LIGHTING DETAILS

PROJECT No: SP-0006-01(087)
COUNTY: UNION /PONTOTOC

WORKING NUMBER E-7	SHEET NUMBER 100.53
ADD SHEET	FILE NAME: 6-7.dgn
REVISION	DESIGN TEAM: HESM&A
BY	CHECKED: W.T.
DATE	DATE

PROJECT No. SP-0006-01(087)

COUNTY : UNION / PONTOTOC

FILENAME: 6-7.dgn

DESIGN TEAM: HESM & A



ADDENDUM

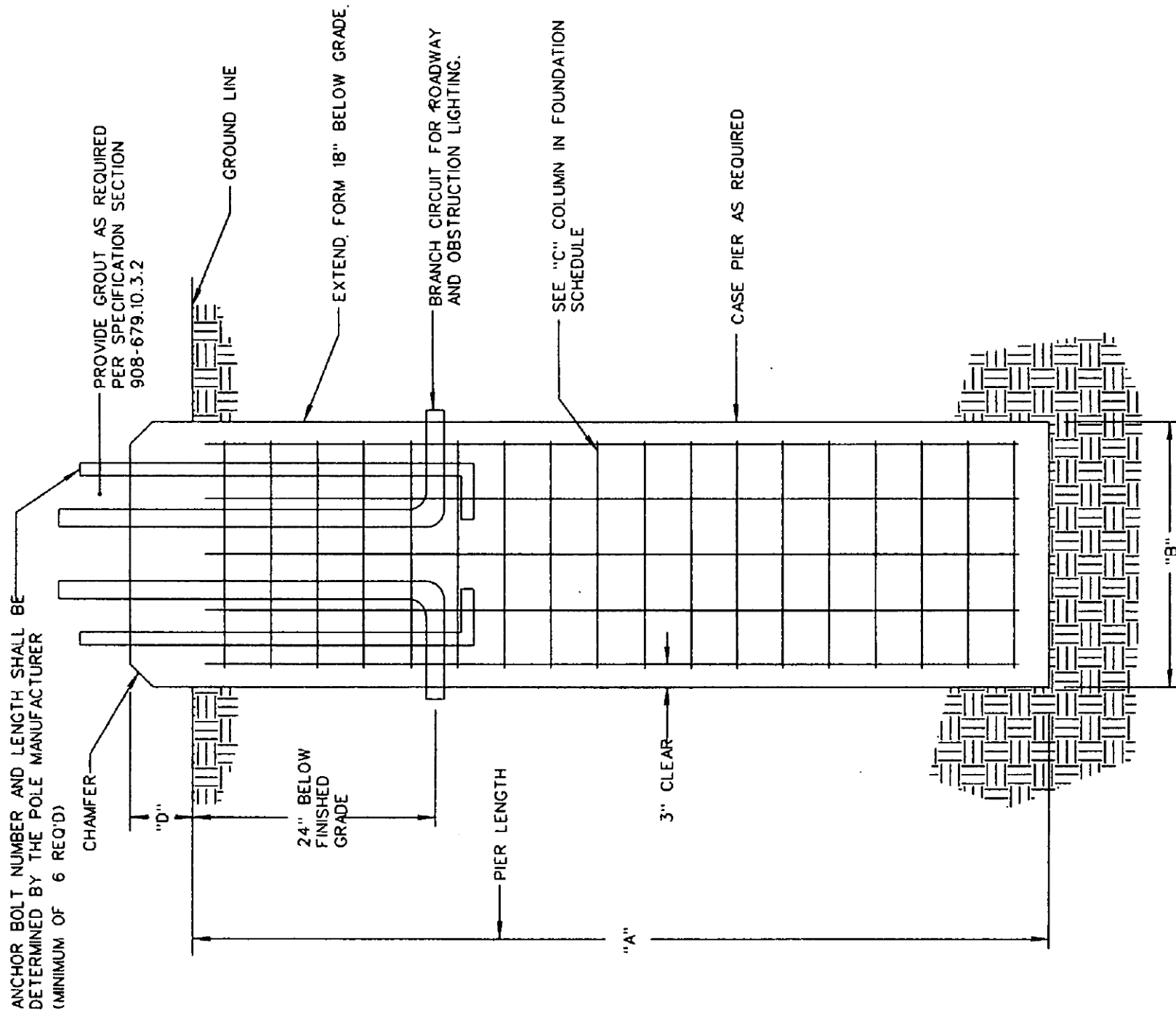
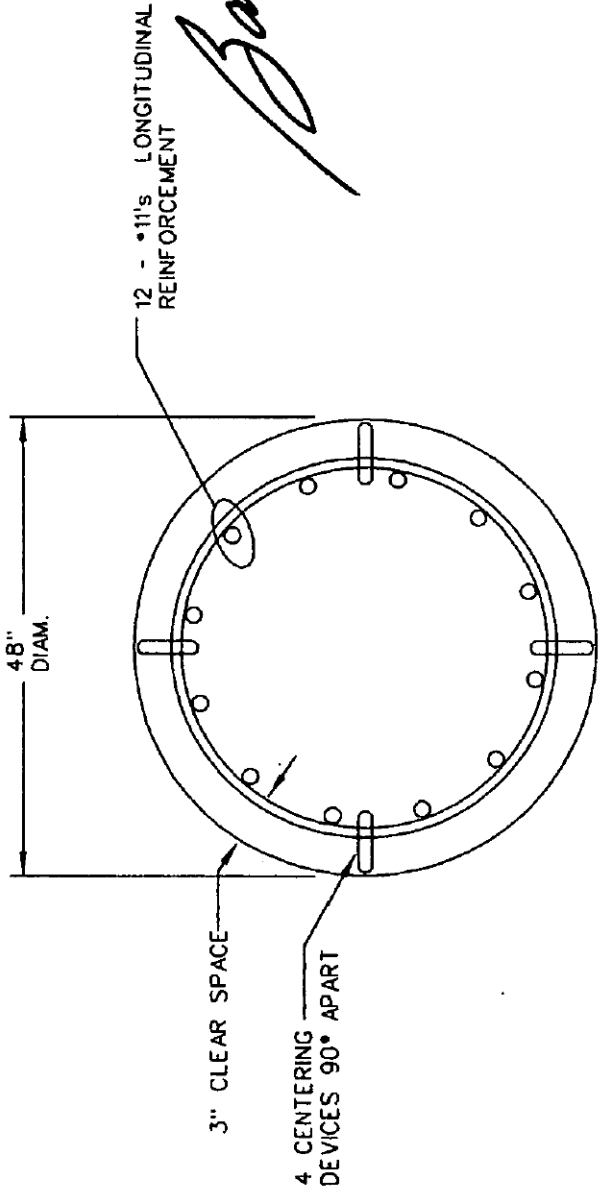
DESIGNED BY:
CHECKED BY:
DATE:

FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

FOR INFORMATION PURPOSES ONLY

SHEET ID
IPO-9
SHEET NO.
4014

STATE: MISS.
PROJECT NO.: SP-0006-01(087)



3 HIGH MAST FOUNDATION
E-8 TYPE A, B, C, D, E, & F
N.T.S.

FOR INFORMATION PURPOSES ONLY

MISSISSIPPI DEPARTMENT OF TRANSPORTATION	WORKING NUMBER
US 78	E-8
INTERCHANGE LIGHTING	SHEET NUMBER
LIGHTING DETAILS	100.54
PROJECT No: SP-0006-01(087)	FILE NAME: E-8.dgn
COUNTY: UNION /PONTOTOC	DESIGN TEAM: HESM&A
	CHECKED: W.L.
	DATE:
ADDED SHEET: 12/28	
BY: F&H	
REVISION:	

PROJECT No. SP-0006-01(087)

COUNTY : UNION / PONTOTOC

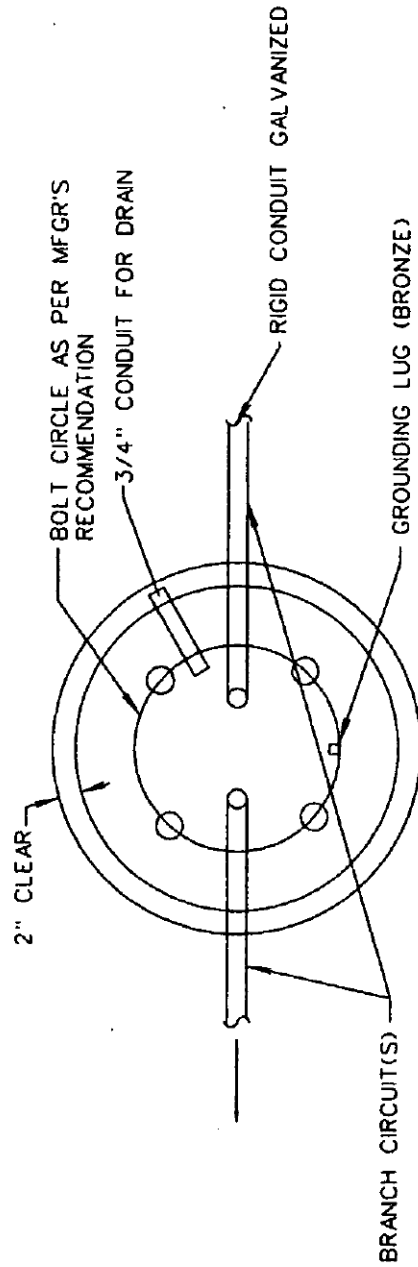
FILENAME: e-8.dgn

DESIGN TEAM: HESM & A

FOUNDATION SCHEDULE

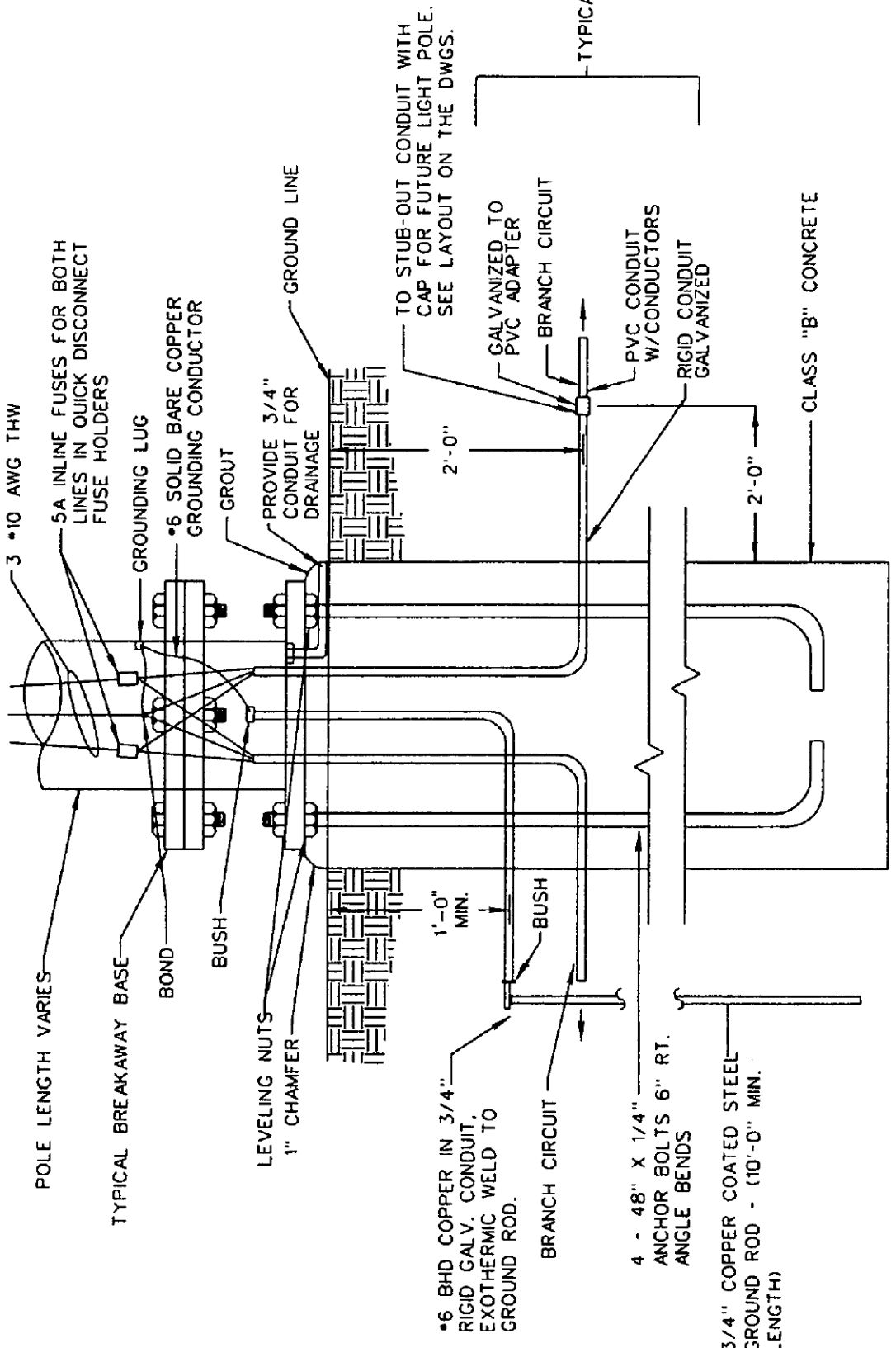
POLE	TYPE ASSY.	A (FT.)	B (FT.)	C (REINFORCEMENT)	D (IN.)	CUBIC YARD
HA-5	A	24'-0"	4'-0"	12 - #10 BARS W/ #4 TIES @ 12" ON CENTER	6"	11.403
HA-14,17,22	B	20'-0"	3'-0"	9 - #10 BARS W/ #4 TIES @ 12" ON CENTER	6"	18.128
HA-13,20	C	20'-0"	3'-0"	9 - #10 BARS W/ #4 TIES @ 12" ON CENTER	6"	10.762
HA-12,3,4,6,12,16,18,23	D	20'-0"	3'-0"	9 - #10 BARS W/ #4 TIES @ 12" ON CENTER	6"	63.76
HA-18	E	24'-0"	4'-0"	12 - #10 BARS W/ #4 TIES @ 12" ON CENTER	6"	11.403
HA-8,10	F	28'-0"	4'-0"	12 - #10 BARS W/ #4 TIES @ 12" ON CENTER	6"	24.688
HA-7,9,11,21	G	28'-0"	4'-0"	12 - #10 BARS W/ #4 TIES @ 12" ON CENTER	6"	48.336
LA-1 TO 27	H,J	10'-0"	2'-0"	6 - #8 BARS W/ #3 TIES @ 12" ON CENTER	0"	47.115

NOTE: CASING IS A SEPARATE ITEM.



PLAN VIEW

N.T.S.



SIDE VIEW

N.T.S.

FOUNDATION DETAIL TYPE "G" & "H"

1 E-8 N.T.S.

2 E-8 N.T.S.

FOUNDATION DETAIL TYPES "G" & "H"

N.T.S.

Δ

1st O. REV.

SECONDARY POWER CONTROLLER #1 (SPC1)									
STATION: 818+91.6 99' LT. OF CD RD. 100 AMP MAIN BREAKER									
BUSS : 100 AMP									
480 VOLTS 1 PHASE 3 WIRE									
SURFACE MOUNTED FEEDER #3 / PHASE									
NEMA 3R #3 / NEUTRAL									
COPPER BUSSING FEEDER ENTERS: BOTTOM									
GROUND BUSS									
BRANCH CKT. NO.	AMPERES BREAKER	POLE	AIC	SERVES					
1	15A	2	14000	LA-1,2,&3					
2	25A	2	14000	HA-1&2					
3	25A	2	14000	HA-3&4					
4	25A	2	14000	HA-5					
5	SPACE	2	14000	SPACE					
6	SPACE	2	14000	SPACE					
7	SPACE	2	14000	SPACE					

NOTES:

1. REFER TO SPECIFICATIONS, POWER CONTROLLER AND ASSOCIATED WORK ALONG WITH NEW POWER POLE IS INCLUDED AS A LUMP SUM PAY ITEM UNDER GROUND SERVICE CONDUIT WILL BE A SEPARATE PAY ITEM

SECONDARY POWER CONTROLLER #2 (SPC2)									
STATION: 28+58.4-566' LT. OF SR 9 @ BLUE SPRINGS. 100 AMP MAIN BREAKER									
BUSS : 100 AMP									
480 VOLTS 1 PHASE 3 WIRE									
SURFACE MOUNTED FEEDER #3 / PHASE									
NEMA 3R #3 / NEUTRAL									
COPPER BUSSING FEEDER ENTERS: BOTTOM									
GROUND BUSS									
BRANCH CKT. NO.	AMPERES BREAKER	POLE	AIC	SERVES					
1	30A	2	14000	HA-6&7					
2	30A	2	14000	HA-8; LA-4,5,&6					
3	20A	2	14000	HA-9					
4	15A	2	14000	LA-8,9,10,&11					
5	SPACE	2	14000	SPACE					
6	SPACE	2	14000	SPACE					
7	SPACE	2	14000	SPACE					

NOTES:

1. REFER TO SPECIFICATIONS, POWER CONTROLLER AND ASSOCIATED WORK ALONG WITH NEW POWER POLE IS INCLUDED AS A LUMP SUM PAY ITEM UNDER GROUND SERVICE CONDUIT WILL BE A SEPARATE PAY ITEM

SECONDARY POWER CONTROLLER #3 (SPC3)									
STATION: 859+72.9-134' LT. OF NE RAMP @ BLUE SPRINGS. 125 AMP MAIN BREAKER									
BUSS : 125 AMP									
480 VOLTS 1 PHASE 3 WIRE									
SURFACE MOUNTED FEEDER #2 / PHASE									
NEMA 3R #2 / NEUTRAL									
COPPER BUSSING FEEDER ENTERS: BOTTOM									
GROUND BUSS									
BRANCH CKT. NO.	AMPERES BREAKER	POLE	AIC	SERVES					
1	30A	2	14000	HA-11&13					
2	25A	2	14000	HA-10; LA-7					
3	30A	2	14000	HA-12&14					
4	15A	2	14000	HA-15					
5	15A	2	14000	HA-16; LA-12&13					
6	SPACE	2	14000	SPACE					
7	SPACE	2	14000	SPACE					

NOTES:

1. REFER TO SPECIFICATIONS, POWER CONTROLLER AND ASSOCIATED WORK ALONG WITH NEW POWER POLE IS INCLUDED AS A LUMP SUM PAY ITEM UNDER GROUND SERVICE CONDUIT WILL BE A SEPARATE PAY ITEM

SECONDARY POWER CONTROLLER #4 (SPC4)									
STATION: 44+68.8 83' LT. OF SW RAMP @ SHERMAN. 125 AMP MAIN BREAKER									
BUSS : 125 AMP									
480 VOLTS 1 PHASE 3 WIRE									
SURFACE MOUNTED FEEDER #1 / PHASE									
NEMA 3R #1 / NEUTRAL									
COPPER BUSSING FEEDER ENTERS: BOTTOM									
GROUND BUSS									
BRANCH CKT. NO.	AMPERES BREAKER	POLE	AIC	SERVES					
1	15A	2	14000	LA-14,15,16,&17					
2	30A	2	14000	HA-17&19					
3	15A	2	14000	HA-18; LA-18					
4	30A	2	14000	HA-20&21					
5	15A	2	14000	LA-19,20,21,22,23,24,&25					
6	20A	2	14000	HA-22					
7	15A	2	14000	HA-23; LA-26&27					
8	SPACE	2	14000	SPACE					
9	SPACE	2	14000	SPACE					
10	SPACE	2	14000	SPACE					

NOTES:

1. REFER TO SPECIFICATIONS, POWER CONTROLLER AND ASSOCIATED WORK ALONG WITH NEW POWER POLE IS INCLUDED AS A LUMP SUM PAY ITEM UNDER GROUND SERVICE CONDUIT WILL BE A SEPARATE PAY ITEM

★ FOR INFORMATION PURPOSES ONLY ★

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

US 78

INTERCHANGE LIGHTING

LIGHTING DETAILS AND SCHEDULES

PROJECT No: SP-0006-01(087)
COUNTY: UNION / PONTOTOC

WORKING NUMBER
E-9

SHEET NUMBER
100.55

FILENAME: e-9.dgn
DESIGN TEAM: HESM & A
CHECKED: WLT
DATE: 1/23/09

ADDED SHEET: 1/23/09
DATE: 1/23/09
BY: F&H
REVISION: 1/23/09

FILENAME: e-9.dgn

DESIGN TEAM: HESM & A

COUNTY : UNION / PONTOTOC

PROJECT No. SP-0006-01(087)



ADDENDUM

DESIGNED BY:
DETAILED BY:
CHECKED BY:
DATE:

FMS CON: 108142/301000
PROJECT NO.: IM-0006-01(099)
COUNTY: UNION

FOR INFORMATION PURPOSES ONLY

SHEET ID
IPO-10
SHEET NO.
4015

STATE
MISS.

PROJECT NO.
SP-0006-01(087)