



**CALL NO. 200**

**CONTRACT ID. 071044**

**JEFFERSON COUNTY**

**FED/STATE PROJECT NUMBER 056GR07D0003**

**LETTING DATE: August 24, 2007**

Sealed Bids will be received in the Division of Construction Procurement and/or the Auditorium located on the 1<sup>st</sup> floor of the Transportation Cabinet Office Building until 10:00 AM EASTERN DAYLIGHT TIME August 24, 2007. Bids will be publicly opened and read at 10:00 AM EASTERN DAYLIGHT TIME.

**DBE CERTIFICATION REQUIRED**

**REQUIRED BID PROPOSAL GUARANTY:** Not less than 5% of the total bid.

(Check guaranty submitted: Cashier's Check  Certified Check  Bid Bond  )

**BID BONDS WHEN SUBMITTED WILL BE RETAINED WITH THE PROPOSAL**

DBE General Plan Included

BID

PROPOSAL ISSUED TO: \_\_\_\_\_

SPECIMEN

\_\_\_\_\_

Address

City

State

Zip

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**PART I**  
**SCOPE OF WORK**

CONTRACT ID - 071044

ADMINISTRATIVE DISTRICT - 05

PROJECT(S) IDENTIFICATION AND DESCRIPTION:

COUNTY - JEFFERSON  
056GR07D0003

GENE SNYDER FREEWAY (I-265)

COUNTY - JEFFERSON  
IM 64-2 (166)

PES - DE05600640752

I-64 INSTALL MEDIAN CABLE BARRIER SYSTEM FROM MELLWOOD AVENUE MP 6.303 TO GRINSTEAD DRIVE  
MP 7.809, A DISTANCE OF 1.50 MILES. GUARDRAIL. SYP NO. 05-02802.20.  
GEOGRAPHIC COORDINATES LATITUDE 38^12'00" LONGITUDE 85^40'00"

COUNTY - JEFFERSON  
IM 265-2 (020)

PES - DE05602650744

GENE SNYDER FREEWAY (I-265) INSTALL MEDIAN CABLE BARRIER SYSTEM FROM MP 23.101 TO MP 35.3  
ON I-265, A DISTANCE OF 12.20 MILES. GUARDRAIL. SYP NO. 05-02802.20.  
GEOGRAPHIC COORDINATES LATITUDE 38^12'00" LONGITUDE 85^40'00"

COMPLETION DATE(S) AND LIQUIDATED DAMAGES ESTABLISHED:

COMPLETION DATE - November 15, 2007

APPLIES TO ENTIRE CONTRACT

SEE SPECIAL NOTES FOR LIQUIDATED DAMAGES

## **CONTRACT NOTES**

### **PROPOSAL ADDENDA**

All addenda to this proposal must be incorporated into the proposal when the bid is submitted to the Kentucky Department of Highways. Failure to use the correct and most recent bid sheet(s) may result in the bid being rejected.

### **BID SUBMITTAL**

Bidder must use the Department's Highway Bid Program available on the Internet web site of the Department of Highways, Division of Construction Procurement. ([www.transportation.ky.gov/contract](http://www.transportation.ky.gov/contract))

The Bidder must download the bid items created from the web site to prepare a bid proposal for submission to the Department. The bidder must insert the completed bid item sheets printed from the Program into the bidder's proposal and submit with the disk created by said program.

### **JOINT VENTURE BIDDING**

Joint Venture bidding is permissible. However, both companies MUST purchase a bidding proposal. Either proposal may be submitted but must contain the company names and signatures of both parties where required. A joint bid bond of 5% may be submitted for both companies or each company may submit a separate bond of 5%.

### **UNDERGROUND FACILITY DAMAGE PROTECTION**

The contractor is advised that the Underground Facility Damage Protection Act of 1994, became law January 1, 1995. It is the contractor's responsibility to determine the impact of the act regarding this project, and take all steps necessary to be in compliance with the provision of the act.

### **CONTRACT DBE GOAL**

The Disadvantaged Business Enterprise (DBE) goal established for this contract is 2 % of the total value of the contract.

The contractor shall exercise all necessary and reasonable steps to ensure that Disadvantaged Business Enterprises participate in at least the percent of the contract as set forth above as goals for this contract.

### **FEDERAL CONTRACT NOTES**

The Kentucky Department of Highways, in accordance with the Regulations of the United States Department of Transportation 23 CFR 65.112 (h), hereby notifies all bidders that failure by a bidder to comply with all applicable sections of the 2004 Kentucky Standard Specifications, including, but not limited to the following, may result in a bid not being considered responsive and thus not eligible to be considered for award:

102.02 Current Capacity Rating  
102.08 Irregular Proposals  
102.09 Proposal Guaranty

102.10 Delivery of Proposals  
102.14 Disqualification of Bidders

### **CIVIL RIGHTS ACT OF 1964**

The Kentucky Department of Highways, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252) and the Regulations of the Federal Department of Transportation (49 C.F.R., Part 21), issued pursuant to such Act, hereby notifies all bidders that it will affirmatively insure that the contract entered into pursuant to this advertisement will be awarded to the lowest responsible bidder without discrimination on the ground of race, color, or national origin.

### **NOTICE TO ALL BIDDERS**

To report bid rigging activities call: 1-800-424-9071.

The U.S. Department of Transportation (DOT) operates the above toll-free "hotline" Monday through Friday, 8:00 a.m. to 5:00 p.m. eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the "hotline" to report such activities.

The "hotline" is part of the DOT's continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

### **FHWA 1273**

The requirements of Paragraph VI of FHWA 1273 does not apply to projects with a total cost of less than \$1,000,000.00.

**SECOND TIER SUBCONTRACTS**

Second Tier subcontracts on federally assisted projects shall be permitted. However, in the case of DBE's, second tier subcontracts will only be permitted where the other subcontractor is also a DBE. All second tier subcontracts shall have the consent of both the Contractor and the Engineer.

**DISADVANTAGED BUSINESS ENTERPRISE PROGRAM**

It is the policy of the Kentucky Transportation Cabinet (“the Cabinet”) that Disadvantaged Business Enterprises (“DBE”) shall have the opportunity to participate in the performance of highway construction projects financed in whole or in part by Federal Funds in order to create a level playing field for all businesses who wish to contract with the Cabinet. To that end, the Cabinet will comply with the regulations found in 49 CFR Part 26, and the definitions and requirements contained therein shall be adopted as if set out verbatim herein.

The Cabinet, contractors, subcontractors, and sub-recipients shall not discriminate on the basis of race, color, national origin, or sex in the performance of work performed pursuant to Cabinet contracts. The contractor shall carry out applicable requirements of 49 CFR 26 in the award and administration of federally assisted highway construction projects. The contractor will include this provision in all its subcontracts and supply agreements pertaining to contracts with the Cabinet.

Failure by the contractor to carry out these requirements is a material breach of its contract with the Cabinet, which may result in the termination of the contract or such other remedy as the Cabinet deems necessary.

**OBLIGATION OF CONTRACTORS**

Each contractor prequalified to perform work on Cabinet projects shall designate and make known to the Cabinet a liaison officer who is assigned the responsibility of effectively administering and promoting an active program for utilization of DBEs.

If a formal goal has not been designated for the contract, all contractors are encouraged to consider DBEs for subcontract work as well as for the supply of material and services needed to perform this work.

Contractors are encouraged to use the services of banks owned and controlled by minorities and women.

### **CERTIFICATION OF CONTRACT GOAL**

Contractors shall include the following certification in bids for projects for which a DBE goal has been established. BIDS SUBMITTED WHICH DO NOT INCLUDE CERTIFICATION OF DBE PARTICIPATION WILL NOT BE READ PUBLICLY. These bids will not be considered for award by the Cabinet and they will be returned to the bidder.

“The bidder certifies that it has secured participation by Disadvantaged Business Enterprises (“DBE”) in the amount of \_\_\_\_ percent of the total value of this contract and that the DBE participation is in compliance with the requirements of 49 CFR 26 and the policies of the Kentucky Transportation Cabinet pertaining to the DBE Program.”

**The certification statement is located on the last page of this proposal. All contractors must certify their DBE participation on that page. DBEs utilized in achieving the DBE goal must be certified and prequalified for the work items at the time the bid is submitted.**

### **DBE PARTICIPATION PLAN**

All bidders are encouraged to submit their General DBE Participation Plan with their bid on the official form. Lowest responsive bidders whose bid packages include DBE Participation Plans may be awarded the contract at the next Awards Committee meeting provided that the DBE goal is met. The DBE Participation Plan shall include the following:

1. Name and address of DBE Subcontractor(s) and/or supplier(s) intended to be used in the proposed project;
2. Description of the work each is to perform including the work item , unit, quantity, unit price and total amount of the work to be performed by the individual DBE;
3. The dollar value of each proposed DBE subcontract and the percentage of total project contract value this represents. DBE participation may be counted as follows:
  - a) If DBE suppliers and manufactures assume actual and contractual responsibility, the dollar value of materials to be furnished will be counted toward the goal as follows:
    - The entire expenditure paid to a DBE manufacturer;
    - 60 percent of expenditures to DBE suppliers that are not manufacturers provided the supplier is a regular dealer in the product involved. A regular dealer must be engaged in, as its principal business and in its own name, the sale of products to the public, maintain an inventory and own and operate distribution equipment; and
    - the amount of fees or commissions charged by the DBE firms for a bona fide service, such as professional, technical, consultant, or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials, supplies, delivery of materials and

- supplies or for furnishing bonds, or insurance, providing such fees or commissions are determined to be reasonable and customary.
- b) The dollar value of services provided by DBEs such as quality control testing, equipment repair and maintenance, engineering, staking, etc.;
  - c) The dollar value of joint ventures. DBE credit for joint ventures will be limited to the dollar amount of the work actually performed by the DBE in the joint venture;
4. Written and signed documentation of the bidder's commitment to use a DBE contractor whose participation is being utilized to meet the DBE goal; and
  5. Written and signed confirmation from the DBE that it is participating in the contract as provided in the prime contractor's commitment.

The apparent low bidder who does not submit a General DBE Participation Plan with the bid shall submit it within 10 calendar days after receipt of notification that they are the apparent low bidder. The project will not be considered for award prior to submission and approval of the apparent low bidder's DBE Participation Plan.

Detailed DBE Participation Plan forms will be included in the Contractor Package presented to successful bidders following the awarding of the project. The Detailed DBE Participation Plan must be completed and returned to Contract Procurement in accordance with Cabinet policy. A copy of the blank estimate will be included with the Detailed DBE Participation Plan to list sequence items by PCN (Project Control Number).

Changes to DBE Participation Plans must be approved by the Cabinet. The Cabinet may consider extenuating circumstances including, but not limited to, changes in the nature or scope of the project, the inability or unwillingness of a DBE to perform the work in accordance with the bid, and/or other circumstances beyond the control of the prime contractor.

#### **CONSIDERATION OF GOOD FAITH EFFORTS REQUESTS**

If the DBE participation submitted in the bid by the apparent lowest responsive bidder does not meet or exceed the DBE contract goal, the apparent lowest responsive bidder must submit a Good Faith Effort Package to satisfy the Cabinet that sufficient good faith efforts were made to meet the contract goals prior to submission of the bid. Efforts to increase the goal after bid submission will not be considered in justifying the good faith effort, unless the contractor can show that the proposed DBE was solicited prior to the letting date. DBEs utilized in achieving the DBE goal must be certified and prequalified for the work items at the time the bid is submitted. One complete set and nine (9) copies of this information must be received in the office of the Division of Contract Procurement no later than 12:00 noon of the tenth calendar day after receipt of notification that they are the apparent low bidder.

Where the information submitted includes repetitious solicitation letters it will be acceptable to submit a sample representative letter along with a distribution list of the firms solicited. Documentation of DBE quotations shall be a part of the good faith effort

submittal as necessary to demonstrate compliance with the factors listed below which the Cabinet considers in judging good faith efforts. This documentation may include written subcontractors' quotations, telephone log notations of verbal quotations, or other types of quotation documentation.

The Good Faith Effort Package shall include, but may not be limited to information showing evidence of the following:

1. Whether the bidder attended any pre-bid meetings that were scheduled by the Cabinet to inform DBEs of subcontracting opportunities;
2. Whether the bidder provided solicitations through all reasonable and available means;
3. Whether the bidder provided written notice to all DBEs listed in the DBE directory at the time of the letting who are prequalified in the areas of work that the bidder will be subcontracting;
4. Whether the bidder followed up initial solicitations of interest by contacting DBEs to determine with certainty whether they were interested. If a reasonable amount of DBEs within the targeted districts do not provide an intent to quote or no DBEs are prequalified in the subcontracted areas, the bidder must notify the DBE Liaison in the Office of Minority Affairs to give notification of the bidder's inability to get DBE quotes;
5. Whether the bidder selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise perform these work items with its own forces;
6. Whether the bidder provided interested DBEs with adequate and timely information about the plans, specifications, and requirements of the contract;
7. Whether the bidder negotiated in good faith with interested DBEs not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached;
8. Whether quotations were received from interested DBE firms but were rejected as unacceptable without sound reasons why the quotations were considered unacceptable. The fact that the DBE firm's quotation for the work is not the lowest quotation received will not in itself be considered as a sound reason for rejecting the quotation as unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a DBE quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy DBE goals;
9. Whether the bidder specifically negotiated with subcontractors to assume part of the responsibility to meet the contract DBE goal when the work to be subcontracted includes potential DBE participation;
10. Whether the bidder made any efforts and/or offered assistance to interested DBEs in obtaining the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal; and

11. Any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include DBE participation.

**FAILURE TO MEET GOOD FAITH REQUIREMENT**

Where the apparent lowest responsive bidder fails to submit sufficient participation by DBE firms to meet the contract goal and upon a determination by the Good Faith Committee based upon the information submitted that the apparent lowest responsive bidder failed to make sufficient reasonable efforts to meet the contract goal, the bidder will be offered the opportunity to meet in person for administrative reconsideration. The bidder will be notified of the Committee's decision within 24 hours of its decision. The bidder will have 24 hours to request reconsideration of the Committee's decision. The reconsideration meeting will be held within two days of the receipt of a request by the bidder for reconsideration.

The request for reconsideration will be heard by the Office of the Secretary. The bidder will have the opportunity to present written documentation or argument concerning the issue of whether it met the goal or made an adequate good faith effort. The bidder will receive a written decision on the reconsideration explaining the basis for the finding that the bidder did or did not meet the goal or made adequate Good Faith efforts to do so.

The result of the reconsideration process is not administratively appealable to the Cabinet or to the United States Department of Transportation.

The Cabinet reserves the right to award the contract to the next lowest responsive bidder or to rebid the contract in the event that the contract is not awarded to the low bidder as the result of a failure to meet the good faith requirement.

**SANCTIONS FOR FAILURE TO MEET DBE REQUIREMENTS OF THE PROJECT**

Failure by the prime contractor to fulfill the DBE requirements of a project under contract or to demonstrate good faith efforts to meet the goal constitutes a breach of contract. When this occurs, the Cabinet will hold the prime contractor accountable, as would be the case with all other contract provisions. Therefore, the contractor's failure to carry out the DBE contract requirements shall constitute a breach of contract and as such the Cabinet reserves the right to exercise all administrative remedies at its disposal including, but not limited to the following:

- Disallow credit toward the DBE goal;
- Withholding progress payments;
- Withholding payment to the prime in an amount equal to the unmet portion of the contract goal; and/or
- Termination of the contract.

**PROMPT PAYMENT**

The prime contractor will be required to pay the DBE within seven (7) working days after he or she has received payment from the Kentucky Transportation Cabinet for work performed or materials furnished.

**CONTRACTOR REPORTING**

All contractors must keep detailed records and provide reports to the Cabinet on their progress in meeting the DBE requirement on any highway contract. These records may include, but shall not be limited to payroll, lease agreements, cancelled payroll checks, executed subcontracting agreements, etc. Prime contractors will be required to submit certified reports on monies paid to each DBE subcontractor or supplier utilized to meet a DBE goal.

Prime contractors will incorporate a requirement into DBE subcontracts, including supply contracts, that DBEs must provide to the Division of Construction, a copy of all checks received from the prime contractor within seven days of receipt of payment for work performed on Cabinet projects. Checks to DBE subcontractors must include the PCN number, estimate number, and the sequence and quantity.

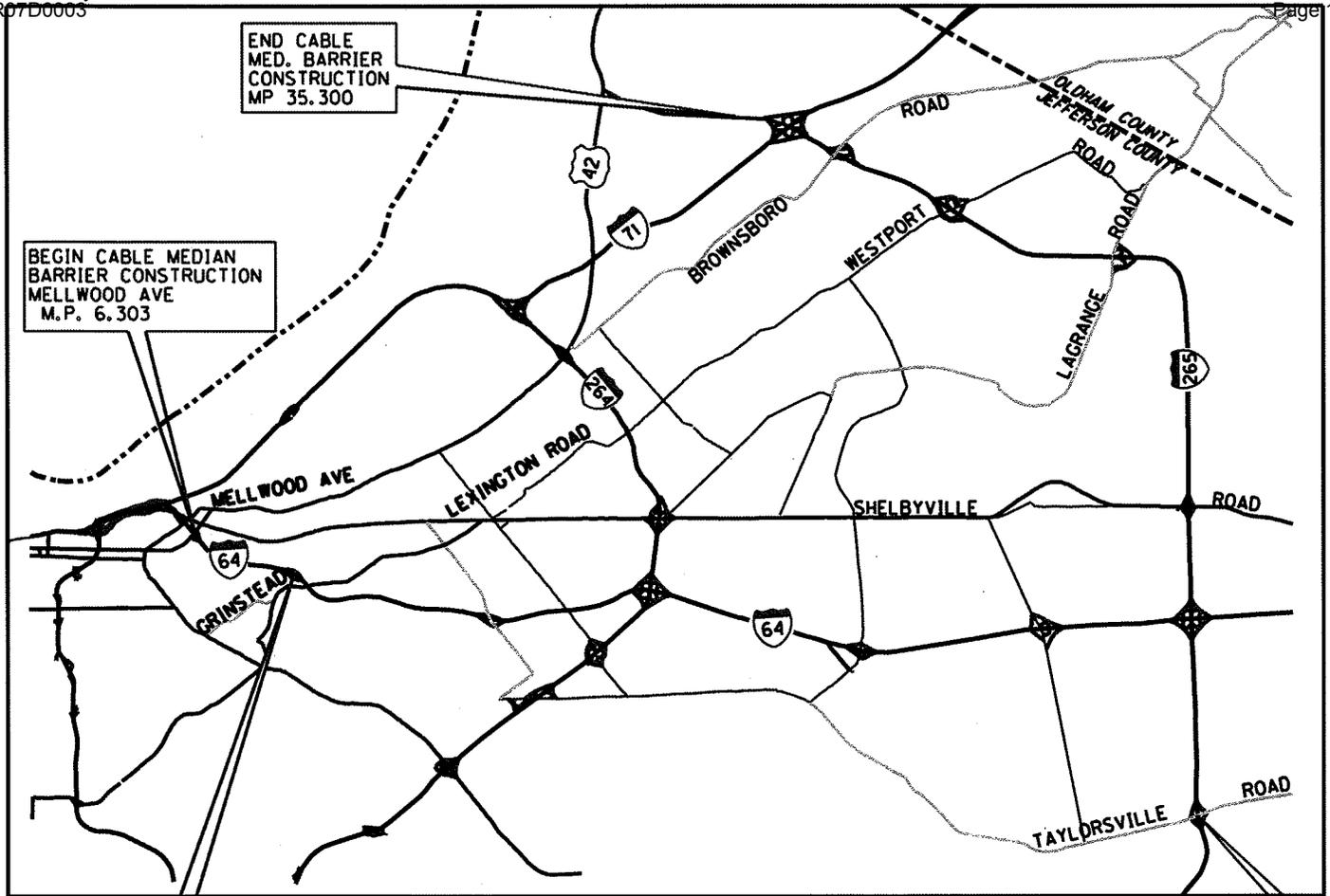
**DEFAULT OR DECERTIFICATION OF THE DBE**

If the DBE subcontractor or supplier is decertified or defaults in the performance of its work, and the overall goal cannot be credited for the uncompleted work, the prime contractor may utilize a substitute DBE or elect to fulfill the DBE goal with another DBE on a different work item. If after exerting good faith effort in accordance with the Cabinet's Good Faith Effort policies and procedures, the prime contractor is unable to replace the DBE, then the unmet portion of the goal may be waived at the discretion of the Cabinet.



**DGA BASE**

The rate of application for DGA Base shall be estimated at 115 lbs/sy per inch of depth.



**LOCATION MAP**

END CABLE MEDIAN  
BARRIER CONSTRUCTION  
GRINSTEAD DRIVE  
M.P. 7.809

BEGIN CABLE MEDIAN  
BARRIER CONSTRUCTION  
MP 23.101 TAYLORSVILLE RD

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**PROPOSAL BY**  
**KENTUCKY**  
**TRANSPORTATION CABINET**  
**DEPARTMENT OF HIGHWAYS**



RECOMMENDED BY:  
Brian M. A. 6/25/07  
PROJECT MANAGER DATE

PLAN APPROVED BY:  
Maureen M. Parks 6/27/07  
STATE HIGHWAY ENGINEER DATE

PROPOSED MEDIAN BARRIER		
ROUTE NAME: I-265 & I-64	LENGTH OF PROJECT: 12.199 & 1.506 MILES	
COUNTY OF: JEFFERSON	STATE OF: KENTUCKY	
TOTAL LENGTH 13.705	ITEM NO.: 5-2802.20	SHEET NO.: 1 OF 60

## PROJECT DESCRIPTION

Jefferson County

### *Median Cable Barrier System on I-265*

From Taylorsville Road - KY 155 (MP 23.101) to West of I-71 MP 35.300

FD52 056 0265 023-036

IM 265-2(20)

### *Median Cable Barrier System on I-64*

From MP 6.303 to 7.809

FD52 056 0064 006-008

IM 64-2(166)

EMARS # 79917 01 D

Item No. 5-2802.20

### SECTION TWO:

The purpose of this project is to install a Median Cable Barrier System on Gene Snyder Freeway divided highway from Taylorsville Road - KY 155 (MP 23.101) to where the divided highway ends (MP 35.300) as well as install a Median Cable Barrier System on I-64 from MP 6.303 to MP 7.809. The median width is sixty (60) feet beginning at Taylorsville Road on I-265 but transitions to 36' just east of Taylorsville Road. The 36' median remains until after Shelbyville Road (US 60 MP 26.795) where it becomes 64'. This width is carried to Westport Road where shortly after it becomes 60'. 2006 ADT of this segment of Freeway varies from 60,430 to 72,567 and the crossover collisions are eight (8) from KY 155 (MP 23.101) to MP 35.300 (The end of the divided Highway). There are a total of eight (8) curves on this section with the highest curvature of 3 degrees.

The median width on I-64 is 40' with 3' of paved shoulder. The slope conditions on I-64 are steeper than 6:1 so fill and grade median will be needed along the project to meet a 6:1 slope. No slopes steeper than 6:1 will be allowed for placing cable guardrail. There are 6 drop box inlets within the project on I-64 that will need to be adjusted. Also, there is one official U-turn location that will be left open.

There are two manufacturers of cable guardrail approved for use on this project, Trinity and Brifen. The contractor must meet manufacturer's requirements and recommendations for the product they chose in order to ensure a TL-4 system compliant with NCHRP 350. Any fill work needed to achieve this requirement on the I-265 section will be considered incidental to the bid price of the project. Fill work along I-64 is listed as Fill and Grade Median and should be bid accordingly. When encountering obstacles in the path of the cable, i.e. perforated headwalls, the post spacing shall be shortened to avoid these obstacles. Any additional posts needed to avoid such obstacles will be considered incidental to the bid. Cable barrier will not be allowed to be placed on slopes steeper than 6:1 anywhere along the project area.

<b>PROPOSAL BY</b>	<b>PROPOSED MEDIAN BARRIER</b>		
<b>KENTUCKY TRANSPORTATION CABINET</b>	ROUTE: I-265 & I-64	LENGTH: 13.705 MILES	
<b>DEPARTMENT OF HIGHWAYS</b>	COUNTY OF: JEFFERSON	STATE OF: KENTUCKY	
	MILE POINT: (I-64) 6.303 to 7.809 (I-265) 23.101 to 35.300	ITEM NO.: 5-2802.20	Sheet No: 2 of 60

THIS PROJECT HAS TWO PHASES. IN PHASE 1, THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY TO INSTALL THE NCHRP 350 TL-4 CERTIFIED BRIFEN WIRE ROPE SAFETY FENCE (WRSF TL-4) OR TL-4 CERTIFIED TRINITY CABLE SYSTEM (CASS TL-4) AS A CABLE MEDIAN BARRIER. DURING PHASE 2, THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, EQUIPMENT, LABOR AND INCIDENTALS NECESSARY TO REPAIR THE CABLE MEDIAN BARRIER INSTALLED BY THIS CONTRACT. THE FOLLOWING PAGES OF THIS PROPOSAL FURTHER DESCRIBE THE WORK TO BE ACCOMPLISHED BY THE CONTRACTOR.

<b>PROPOSAL BY</b>  <b>KENTUCKY</b> <b>TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
	ROUTE: I-265 & I-64	LENGTH: 13.705 MILES	
	COUNTY OF: JEFFERSON	STATE OF: KENTUCKY	
	MILE POINT: (I-64) 6.303 to 7.809 (I-265) 23.101 to 35.300	ITEM NO.: 5-2802.20	Sheet No: 3 of 60

**GENERAL NOTES**

**UNDERGROUND UTILITIES**

THE CONTRACTOR SHALL USE ALL POSSIBLE CARE IN HIS OPERATIONS TO AVOID DAMAGING EXISTING PIPES AND ANY EXISTING UNDERGROUND UTILITIES. HE SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THE ABOVE MENTIONED ITEMS AND SHALL REPAIR OR RESTORE AT HIS OWN EXPENSE ANY ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.

**UTILITIES (HAZARDOUS OR FLAMMABLE MATERIALS)**

THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATIONS IN AREAS OF A GAS LINE OR OTHER LINES CARRYING HAZARDOUS MATERIAL.

**BEFORE YOU DIG**

THE CONTRACTOR IS ADVISED TO CALL 1-800-752-6007 TOLL FREE A MINIMUM OF 24 HOURS PRIOR TO EXCAVATION FOR INFORMATION ON THE LOCATION OF EXISTING UNDERGROUND UTILITIES.

**CLEARING AND GRUBBING**

CONTRARY TO SECTION 202 OF THE STANDARD SPECIFICATIONS, NO DIRECT PAYMENT WILL BE ALLOWED FOR CLEARING AND GRUBBING ON THIS PROJECT.

**EXISTING LANDSCAPE MATERIAL**

DO NOT DISTURB LANDSCAPE PLANTS UNLESS ABSOLUTELY NECESSARY.

DO NOT TO DISTURB ANY PLANTS WITHOUT PRIOR APPROVAL OF THE PROJECT ENGINEER.

THE PROJECT ENGINEER SHALL NOTIFY THE DISTRICT AGRONOMIST FOR POSSIBLE DEPARTMENT SALVAGE OF ANY PLANTS NEEDING REMOVAL.

**WORK INTERFERENCE**

THE CONTRACTOR ON THIS PROJECT SHALL CONDUCT HIS WORK SO AS NOT TO INTERFERE WITH OR HINDER THE PROGRESS OR COMPLETION OF THE WORK BEING PERFORMED BY OTHER CONTRACTORS WITHIN THE LIMITS OF THIS PROJECTS.

**CONSTRUCTION MATERIAL DISPOSAL**

ALL CONCRETE PAVEMENT, ASPHALT MATERIAL, AND ANY OTHER MATERIAL THAT IS REQUIRED TO BE REMOVED SHALL BE DISPOSED OF OFF THE RIGHT-OF-WAY AT SITES ACQUIRED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE DEPARTMENT, PER SECTION 204.03.08 OF CURRENT KYTC STANDARD SPECIFICATIONS.

<b>PROPOSAL BY</b>  <b>KENTUCKY</b> <b>TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
	ROUTE: I-265 & I-64	LENGTH: 13.705 MILES	
	COUNTY OF: JEFFERSON	STATE OF: KENTUCKY	
	MILE POINT: (I-64) 6.303 to 7.809 (I-265) 23.101 to 35.300	ITEM NO.: 5-2802.20	Sheet No: 4 of 60

## GENERAL NOTES

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**GEOTECHNICAL INFORMATION**

GEOTECHNICAL WORK HAS BEEN COMPLETED ON THE I-265 SECTION FOR THE PROJECT. GEOTECHNICAL INFORMATION REGARDING I-64 WILL BE BASED OFF A PREVIOUS GEOTECHNICAL REPORT. ALL GEOTECHNICAL INFORMATION ALONG WITH A COPY OF THE PLANS HAS BEEN SENT TO THE SPECIFIED MANUFACTURERS FOR DESIGN OF THE ANCHORS.

**PHASE 2 ADDITIONAL POSTS**

FOR PHASE 2 OF THIS PROJECT, THE CONTRACTOR MUST BID A CERTAIN NUMBER OF POSTS FOR MAINTENANCE OF THE CABLE SYSTEM. UPON COMPLETION OF PHASE 2 WORK, KYTC WILL PURCHASE UP TO 2000 OF THE REMAINING POSTS IN THE CONTRACTORS INVENTORY, FROM THE CONTRACTOR, AT INVOICE PRICE, FOR CONTIUATION OF MAINTENANCE ON THE CABLE SYSTEM. THESE POSTS SHALL BE DELIVERED BY THE CONTRACTOR TO THE KYTC MAINENANCE BARN IN MIDDLETOWN KY.

<b>PROPOSAL BY</b>  <b>KENTUCKY TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
	ROUTE: I-265 & I-64	LENGTH: 13.705 MILES	
	COUNTY OF: JEFFERSON	STATE OF: KENTUCKY	
	MILE POINT: (I-64) 6.303 to 7.809 (I-265) 23.101 to 35.300	ITEM NO.: 5-2802.20	Sheet No: 5 of 60

## SPECIAL NOTES & PROVISIONS

**1. PROVIDE INSTALLATION TRAINING BY THE MANUFACTURER OF THE SYSTEM PRIOR TO BEGINNING THIS PROJECT'S PHASE 1.**

**A. PROVIDE TWO (2) DAYS OF ONSITE FIELD INSTRUCTION ON THE INSTALLATION OF THE SYSTEM ON ALL ASPECTS OF THE SYSTEM INSTALLATION, INCLUDING GRADING, LINE POST INSTALLATION, WIRE ROPE OR CABLE INSTALLATION AND TENSIONING, AND TERMINAL OR ANCHOR INSTALLATION. THE SCHEDULING AND LOCATION OF THIS TRAINING SHALL BE APPROVED BY THE ENGINEER.**

**B. PROVIDE THE TRAINING FOR A MAXIMUM OF 30 PARTICIPANTS, TO INCLUDE THE FOLLOWING AS MAY APPLY:**

- \* CONTRACTOR (PRIME)
- \* INSTALLATION CONTRACTOR (SUB)
- \* KYTC PERSONNEL (CONSTRUCTION, MAINTENANCE, AND TRAFFIC SAFETY AND DESIGN)
- \* FHWA REPRESENTATIVE WHEN SYSTEM INSTALLED ON FEDERAL AID PROJECTS

**2. THE INSTALLATION CONTRACTOR MUST HAVE PERSONNEL ON SITE AT ALL TIMES DURING THE INSTALLATION OF THE SYSTEM THAT HAVE BEEN TRAINED BY THE MANUFACTURER.**

**3. PROVIDE MAINTENANCE TRAINING BY THE MANUFACTURER OF THE SYSTEM PRIOR TO BEGINNING THIS PROJECT'S PHASE 2.**

**A. PROVIDE A MINIMUM OF TWO (2) HOURS OF CLASSROOM INSTRUCTION ON THE MAINTENANCE AND REPAIR OF THE SYSTEM. THIS TRAINING SHALL BE PROVIDED IN A LOCATION CENTRAL TO THE PROJECT AND THE LOCAL KYTC DISTRICT OFFICE. THE SCHEDULING AND LOCATION OF THIS TRAINING SHALL BE APPROVED BY THE ENGINEER.**

**B. PROVIDE A MINIMUM OF TWO (2) HOURS OF ON SITE FIELD INSTRUCTION ON THE MAINTENANCE AND REPAIR OF THE SYSTEM.**

**C. PROVIDE THE TRAINING AS REQUIRED FOR A MAXIMUM OF 30 PARTICIPANTS, TO INCLUDE THE FOLLOWING:**

- \* KYTC PERSONNEL (CONSTRUCTION, MAINTENANCE, AND TRAFFIC SAFETY AND DESIGN)
- \* FHWA REPRESENTATIVE WHEN SYSTEM INSTALLED ON FEDERAL AID PROJECTS
- \* THOSE INVITED BY THE KYTC, WHICH MAY INCLUDE LAW ENFORCEMENT AGENCY AND EMERGENCY RESPONSE REPRESENTATIVES

**4. THE REQUIRED TRAINING WILL BE INCIDENTAL TO THE CONTRACT.**

<b>PROPOSAL BY</b>	<b>PROPOSED MEDIAN BARRIER</b>		
<b>KENTUCKY TRANSPORTATION CABINET</b>	ROUTE: I-265 & I-64	LENGTH: 13.705 MILES	
<b>DEPARTMENT OF HIGHWAYS</b>	COUNTY OF: JEFFERSON	STATE OF: KENTUCKY	
	MILE POINT: (I-64) 6.303 to 7.809 (I-265) 23.101 to 35.300	ITEM NO.: 5-2802.20	Sheet No: 6 of 60

## SPECIAL NOTES & PROVISIONS

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5. The Contractor may use Brifen Wire Rope Safety Fence (WRSF TL-4) manufactured by Brifen USA Inc. of Oklahoma City, Oklahoma. Brifen contact is Bill (405) 751-8062.  

OR

 The Contractor may use Cable Safety System (CASS-TL4) manufactured by Trinity Highway Safety Products Inc. of 2525 Stemmons Freeway Dallas, Texas 75207. Phone (800) 644-7976.
6. THE MANUFACTURER SHALL FURNISH TWO (2) SETS OF SHOP PLANS TO THE CONTRACTOR WITH EACH INSTALLATION.
7. THE COMPLETED INSTALLATION SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE MANUFACTURER (SEE SHOP DRAWINGS.)
8. THE MANUFACTURER WILL ASSIST THE CONTRACTOR WITH LAYOUT AND LOCATION OF THE WRSF INSTALLATIONS.
9. All hardware, posts, cables, labor and incidentals within end anchor ( WRGT) of Brifen USA Inc. or CASS Cable Terminal (CCT) of Trinity Highway Safety Products Inc. pay limits shall be included in the contractor unit price for "WRSF End Anchor (WRGT)" or CASS Cable Terminal (CCT). Type A is a TL-3 Crash Worthy Device and it's pay limits are 26'. CASS Cable Terminal is a TL-3 Device and it's pay limits are 51.25'.
10. The Contractor unit price per linear foot "WRSF TL-4" of Brifen USA or "CASS TL-4 Cable Safety System" of Trinity Highway Products shall be for full compensation for all materials, equipment labor and incidentals necessary to complete the work. Minimum strength of the product should be TL-4 equivalent. The product must be tested against TL-4 vehicles and be NCHRP 350 compliant for TL-4.
11. Disturbance of existing drainage shall be avoided on the I-265 section of this project. When encountering a perforated headwall, spacing of the posts shall be altered to allow avoidance of the pipe and headwall while maintaining the manufacturer's suggested post spacing. Posts should be moved closer together to avoid such obstacles, not farther apart. An increased number of posts and installation of these posts due to avoidance of headwalls shall be considered incidental to the bid price.
12. All work required to bring the roadway back to existing conditions (raising mile markers, roadside signs, etc.) after fill and grade work is performed, will be considered incidental to the contract and the responsibility of the contractor.

<b>PROPOSAL BY</b>	<b>PROPOSED MEDIAN BARRIER</b>		
<b>KENTUCKY TRANSPORTATION CABINET</b>	ROUTE: I-265 & I-64	LENGTH: 13.705 MILES	
<b>DEPARTMENT OF HIGHWAYS</b>	COUNTY OF: JEFFERSON	STATE OF: KENTUCKY	
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## SPECIAL NOTES & PROVISIONS

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13. This work shall consist of constructing High Tension Cable Guardrail as recommended by the Manufacturer, as directed by the Engineer, and in accordance with the following requirements for this project:
- a. The High Tension Cable Guardrail System shall be a four-cable system that meets the National Cooperative Highway Research Program (NCHRP) Report 350, Test Level 4 (TL-4) testing for 6H:1V slopes and be accepted by FHWA as such. Each of the four cables shall be independently anchored to a concrete end-anchor.
  - b. Line post shall be socketed and sleeves set in concrete. Maximum post spacing shall be 10 feet. In locations where the dynamic deflection distance is not available to the edge of traveled lane, post spacing shall be decreased to accommodate the need for reduced distance, as per Manufacturer's recommendation.
  - c. Minimum installation depth for the concrete footing line posts shall be 48-inches for non-rock installation. Greater depths may be required for non-rock installation due to manufacturer's recommendations based on soil information as shown in this proposal. Depths and requirements for installations in rock shall be based on manufacturer's recommendations.
  - d. Design details, design dimensions, and specifications shall be obtained by the Contractor from the Manufacturer prior to the bid, including recommended depths for line post concrete footings and for concrete end-anchors. These design details, design dimensions, and specifications shall be based on the locations and requirements set forth in this proposal. All geotechnical information along with a copy of the plans has been sent to the specified Manufacturers for design of the line post concrete footings and concrete end-anchors.
  - e. The Contractor shall provide the Engineer with two (2) sets of Manufacturer prepared design calculations and notes, shop drawings, and construction specifications 14 days prior to installation. The shop drawings and calculations detailing the recommended depths for line post concrete footings and for concrete end-anchors shall be approved and sealed by a Kentucky Licensed Professional Engineer.
  - f. Any end-anchor movement exceeding one inch (1") within 12 months of completed installation that results in any tension reduction to the cable system will require repair and re-tensioning of the system by the Contractor at their cost, as directed by the Engineer.

<b>PROPOSAL BY</b>	<b>PROPOSED MEDIAN BARRIER</b>		
<b>KENTUCKY TRANSPORTATION CABINET</b>	ROUTE: I-265 & I-64	LENGTH: 13.705 MILES	
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# Special Provision For Maintenance/Repair of Cable Median Barrier

**FD52 056-0265-023-036**

**IM 265-2(20)**

**FD52 056-0064-006-008**

**IM 64-2(166)**

Until the Department makes final written acceptance of the Phase 1 work, the Contractor shall rebuild, repair, and restore any portion of the cable median barrier damaged by any cause, including regular traffic impact. The Contractor shall bear the expense of these repairs during Phase 1 of this project.

Phase 2 of this project will begin when the Department makes final written acceptance of the Phase 1 work. Phase 2 will be in effect for one calendar year.

During Phase 2, the Contractor shall provide all materials, equipment, labor and incidentals necessary to repair the cable median barrier installed by this contract. All damage to the cable median barrier that is reported within the calendar year of Phase 2 shall be repaired by the Contractor. The Department will pay the Contractor for the repairs performed during Phase 2 of this project. During Phase 2 the contractor will also be responsible for any cleanup of debris (such as broken glass, bumpers, etc.) in the area of the crash to the cable system.

The bid items for repair of cable median barrier are as follows:

<u>Bid Item Description</u>	<u>Unit</u>
• Replace WRSF Guardrail Post	Each
• Replace WRSF End Anchor	Each

OR

<u>Bid Item Description</u>	<u>Unit</u>
• Replace CASS Guardrail Post	Each
• Replace CASS End Anchor	Each

All maintenance of traffic needed for the repair work and cleanup of debris will be incidental to the above bid items.

Throughout Phase 1 and 2 of the project, the Contractor will be responsible for any routine maintenance required by the manufacture's specifications. The Contractor shall bear the expense of this routine maintenance.

<b>PROPOSAL BY</b>  <b>KENTUCKY</b> <b>TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
	ROUTE: I-265 & I-64		LENGTH: 13.705 MILES
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Special Provision for Maintenance  
FD52 056-0265-023-036  
IM 265-2(20)  
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IM 64-2(166)  
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All repair requests will be reported to the Contractor from the Engineer (or designee). The Contractor shall provide a contact name, phone number and fax number where all repair requests can be reported.

A fax to the Contractor will be the official notification of the repair request. The fax will specify the type of repair work required, including approximate mile point location of work and approximate bid item(s) needed to complete the repair.

The cable median barrier shall be repaired within 96 hours of Fax notification to the Contractor, unless otherwise instructed by the Engineer. Failure to comply with the above repair time requirement will result in a charge to the Contractor of \$2000 per day over the time allowed.

The Engineer should be notified when the Contractor plans to carry out repair work (date and time), so that the Engineer may inspect the work.

Upon completion of the repair work, the Contractor will notify the Engineer (via fax) that the work is complete. Payment requested from the Contractor should be sent to the Engineer. The maintenance/repair log submitted for payment may contain more than one completed job. The Engineer will process bimonthly pay estimates as needed to pay the Contractor for completed work.

The Contractor shall assume full responsibility for the safe and uninterrupted movement of traffic through the maintenance/repair area for the duration of the job. Prior approval by the Engineer shall be required for any alterations of traffic patterns.

When maintaining or repairing the cable median barrier, the Contractor shall use a shoulder closure between the hours of 9 AM to 3 PM. The shoulder closure shall be in accordance with Standard Drawing No. TTC-135: "Shoulder Closure." Any other proposed plan for the maintenance of traffic during repair work shall have prior written approval by the Engineer.

<b>PROPOSAL BY</b>  <b>KENTUCKY</b> <b>TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
	ROUTE: I-265 & I-64		LENGTH: 13.705 MILES
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**Special Provision for Maintenance**

FD52 056-0265-023-036

IM 265-2(20)

FD52 056-0064-006-008

IM 64-2(166)

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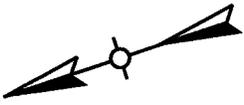
The Contractor shall assume full responsibility for the safety of the workers who are maintaining or repairing the cable median barrier.

The arrangement of warning signs or devices shall be in accordance with arrangements indicated in the *Manual on Uniform Traffic Control Devices*.

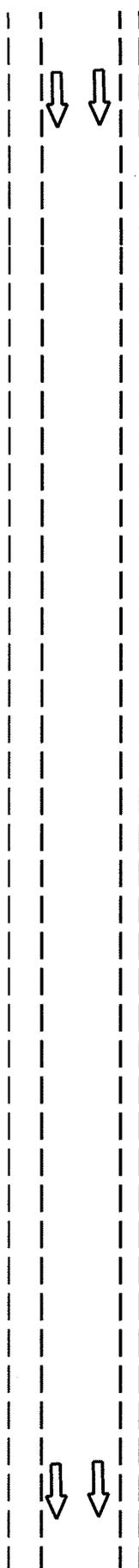
When doing repair work, the Contractor shall be responsible for obtaining any staging site needed for the materials, equipment, etc.

<b>PROPOSAL BY</b>  <b>KENTUCKY</b> <b>TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
	ROUTE: I-265 & I-64	LENGTH: 13.705 MILES	
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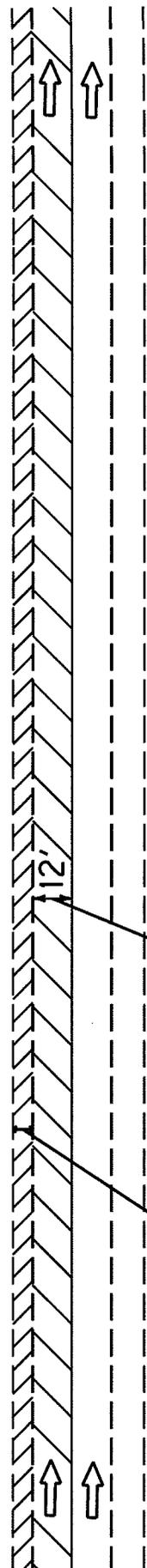
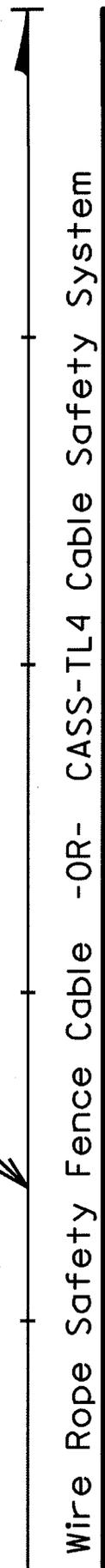
# TRAFFIC CONTROL PLAN (LANE CLOSURE) Page 1 of 5



- 1) Northbound Shoulder  
Allowed Closure 9:00 a.m. - 3:00 p.m.  
(Monday - Friday) 
- 2) Northbound Interior lane and Shoulder  
Allowed Closure 8:00 p.m. - 5:00 a.m.  
(Monday - Friday) 
- 3) Northbound Interior lane and Shoulder  
Allowed Closure 8:00 p.m. - 5:00 a.m.  
Friday Night thru Monday Morning 



Centerline



Shoulder

Interior Lane (fast lane)

# TRAFFIC CONTROL PLAN

FD52 056-0265-023-036 IM 265-2(20)  
FD52 056-0064-006-008 IM 64-2(166)

Page 2 of 5

**THIS PROJECT IS A FULLY  
CONTROLLED ACCESS HIGHWAY**

## TRAFFIC CONTROL GENERAL

Except as provided herein, maintain and control traffic in accordance with the 2004 Standard Specifications and the Standard Drawings, current editions. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic".

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition, at the beginning of the work and maintained in like new condition until completion of the work.

The speed limit in work areas will be reduced by 10 M.P.H. from the posted speed and double fines for work zone speeding violations may be established. The extent of these areas within the project limits will be restricted to the proximity of actual work areas as determined by the Engineer. Reduced speed limits and double fine zones will be in place only while lane closures are in place.

**Below is a 2006 Traffic count over the project area.**

ROADWAY SEGMENT	ADT
<b>I-265 (2006 DATA)</b>	
KY 155 to I-64 (MP 23.101 to 25.454)	64,700
I-64 to US 60 (MP 25.454 to 26.797)	72,400
US 60 to Old Henry Rd (MP 26.797 to 28.734)	60,400
Old Henry Rd to La Grange Rd (MP 28.731 to 30.420)	49,200
La Grange Rd to Westport Rd (MP 30.420 to 32.394)	50,800
Westport Rd to Brownsboro Rd (MP 32.394 to 34.026)	58,000
Brownsboro Rd to I-71 (MP 34.026 to 34.727)	72,600
<b>I-64 (2007 DATA)</b>	
MP. 6.303 to MP 7.809	88,300

## PROJECT PHASING & CONSTRUCTION PROCEDURES

No lane closures will be allowed on Southbound Gene Snyder Freeway (I-265).

No lane closures will be allowed on Eastbound I-64.

<b>PROPOSAL BY</b>  <b>KENTUCKY TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
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## Traffic Control Plan

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The following closures will be allowed for Northbound I-265 & Westbound I-64:

- 1) The interior shoulder will be allowed to be closed 9:00 a.m. - 3:00 p.m. every working day (Monday – Friday).
- 2) The interior lane (fast lane) and shoulder can be closed 9:00 p.m. – 5:00 a.m. every working day for one mile in length at a time (Monday – Friday). Lane closure will not be permitted from 5:00 a.m. – 8:00 p.m. (Monday – Friday).
- 3) The interior lane (fast lane) and shoulder will be allowed to be closed from 8:00 p.m. Friday night till 5:00 a.m. Monday morning.

For All Sections- No lane or shoulder closures will be allowed on the following days:  
September 1 —4,2007 Labor Day Weekend

In the area(s) of construction for all phase 1 work, the eastbound interior shoulder (closest to construction activity) shall be closed. Maintain one traffic lane (mainline) Eastbound at all times during construction. The clear lane width shall be 12 feet; however, make provisions for passage of vehicles up to 16 feet in width.

**ALL TRAFFIC CONTROL DEVICES MUST BE MOVED FROM THE PAVED SURFACE BY THE TIMES SPECIFIED FOR NO LANE CLOSURES IN THE TIMES LISTED ABOVE.**

### LANE CLOSURES

Do not leave lane closures in place during prohibited periods. Do not leave lane closures in place during nonworking hours. Do not establish lane closures that exceed 1 mile in length. Multiple lane closures may occur along the length of the project, but should not occur within 3 miles of each other. It is not intended that long term lane closures at any one location will be required; therefore, contrary to section 112, lane closures will not be measured for payment regardless of the length of time the Engineer allows a lane closure to remain in place for the Contractor's convenience.

<b>PROPOSAL BY</b>  <b>KENTUCKY</b> <b>TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
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## Traffic Control Plan

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### SIGNS

The Engineer may require additional traffic control signs in addition to normal lane closure signing detailed on the Standard Drawings. Additional signs needed may include, but are not limited to, dual mounted LEFT LANE CLOSED 1 MILE, LEFT LANE CLOSED 2 MILE, LEFT LANE CLOSED 3 MILE, SLOWED/STOPPED TRAFFIC AHEAD, KEEP RIGHT, etc.

Contrary to section 112.04.02, only long term signs (signs intended to be continuously in place for more than 3 days) will be measured for payment; short term signs (signs intended to be left in place for 3 days or less) will not be measured for payment but shall be incidental to Maintain and Control Traffic. Individual signs will be measured only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged signs directed by the Engineer to be replaced due to poor condition or reflectivity will not be measured for payment.

### VARIABLE MESSAGE SIGNS

Provide a minimum of two Variable Message Signs in advance of or on the project at locations designated by the Engineer. The Engineer will designate the messages to be provided. The locations and messages designated may vary as the work progresses. The Variable Message Signs shall be in operation at all times. In the event of damage or mechanical/electrical failure, immediately repair or replace the Variable Message Sign. Replacements for damaged variable message signs directed by the Engineer to be replaced due to poor condition or legibility will not be measured for payment.

### BARRELS

Barrels are to be used for channelization or delineation and will be incidental to Maintain and Control Traffic according to Section 112.04.0 1. Replacements for damaged barrels directed by the Engineer to be replaced due to poor condition or reflectivity will not be measured for payment.

<b>PROPOSAL BY</b>  <b>KENTUCKY</b> <b>TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
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## Traffic Control Plan

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### TRAFFIC COORDINATOR

Designate an employee to be traffic coordinator. During any period when a lane and/or shoulder closure is in place, the Traffic Coordinator shall arrange for personnel to be present on the project at all times to inspect the traffic control (at least once every two hours during active operations and at any time when a lane closure is in effect) and to maintain the signing and devices. The personnel shall have access on the project to a radio or telephone to be used in case of emergencies or accidents. The Traffic Coordinator shall report all incidents throughout the work zone to the Engineer. Furnish the engineer with the name and telephone number where the Traffic Coordinator can be contacted at all times.

<b>PROPOSAL BY</b>  <b>KENTUCKY TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
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**SPECIAL NOTE  
FOR  
FIXED COMPLETION DATE  
AND LIQUIDATED DAMAGES**

**LIQUIDATED DAMAGES**

Upon recommendation from the Project Team, the completion date for all Phase I work will be November 15, 2007. Contrary to the 2004 Standard Specifications for Road and Bridge Construction, Section 108.09, if the Contractor fails to complete the phase I work, Liquidated damages will be assessed as follows:

An \$ 8,000.00 per day disincentive will be charged starting November 15, 2007 if all phase 1 work is not complete. Contrary to Section 108.09 of the Standard Specifications, the disincentive fee will be charged during those periods when seasonal limitations of the Contract prohibit the Contractor from working on a controlling item or operation.

**Disincentive for Single Lane Traffic**

Lane closures will not be allowed based upon the following charts:

<b>Northbound I-265 &amp; Westbound I-64 Day and Time</b>
5:00 AM — 8:00 PM Monday — Friday
<b>Southbound I-265 &amp; Eastbound I-64 Day and Time</b>
NO lane closures permitted

A disincentive fee of \$500 per lane closure per hour will be charged for the first hour or fraction of an hour that any lane closure remains in place during the prohibited hours as defined in the plans. The \$2,500 per lane closure per hour disincentive also will be assessed for any single lane closures not specifically permitted in the traffic control plan. Lane closures in place for more than one hour in excess of permitted hours will be charged disincentive fees at the following rates:

Extra Hours of One-Lane Closure	Disincentive (\$/Hour)
2	2,500
Successive Hours	10,000

**Critical Path Method and Detailed Work Schedule**

This project will have a Critical Path Schedule done by the successful contractor. In addition to providing the critical path schedule the successful bidder will also provide a detailed work schedule prior the pre-construction conference. Any deviation to this schedule must be approved by the Engineer in advance of the change.

<b>PROPOSAL BY</b>  <b>KENTUCKY</b> <b>TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
	ROUTE: I-265 & I-64	LENGTH: 13.705 MILES	
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# UTILITY

## UTILITY NOTES TO BE INCLUDED IN THE PROPOSAL SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

### JEFFERSON COUNTY, ITEM NO. 5-2802.20

### Install Median Cable Barrier System on I-265 & I-64 (From MP 23.101 to MP 35.300) (From MP 6.303 to MP 7.809)

There are no utilities directly involved on subject project. There may be existing overhead electric, telephone and communication facilities that cross the existing centerline of I-265. The Contractor should use caution when working under these facilities to insure there is no damage to these facilities. The minimum vertical clearance of existing overhead utilities should be 24 feet.

### PROTECTION OF UTILITIES

The location of utilities provided in the contract documents has been furnished by the facility owners and/or by reviewing record drawings and may not be accurate. It will be the roadway contractor's responsibility to locate utilities before excavating by calling the various utility owners and by examining any supplemental information supplied by the cabinet. If necessary, the roadway contractor shall determine the exact location and elevation of utilities by hand digging to expose utilities before excavating in the area of a utility. The cost for repair and any other associated costs for any damage to utilities caused by the roadway contractor's operations shall be bore by the roadway contractor.

The contractor should exercise extra caution when working in the vicinity of any existing ITS Components on this project, it will be the contractor's responsibility to contact and coordinate with the appropriate utility company for service to their facility. All overhead and underground installation should also be coordinated so as not to cause conflict with any other utility.

The Contractor is advised to contact BUD one-call system; however, the Contractor should be aware that owners of underground facilities are not required to be members of the BUD one-call system. It may be necessary for the Contractor to contact the County Court Clerk to determine what utility companies have facilities in the project area.

Note:

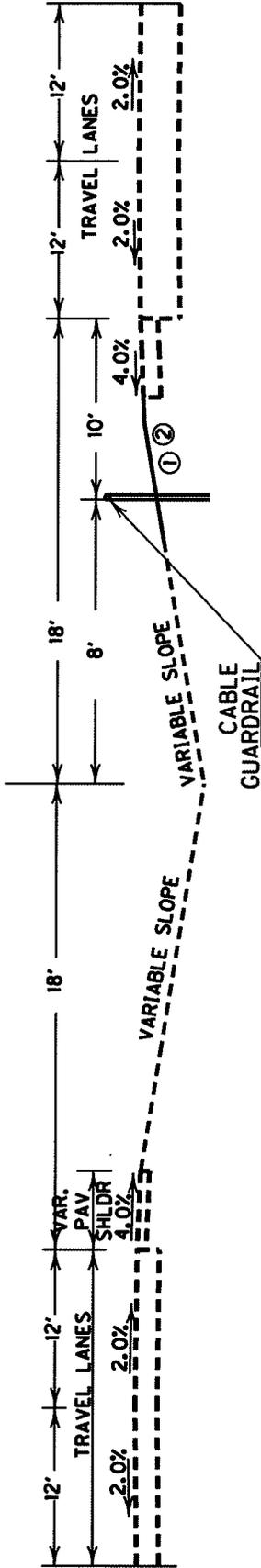
*The Contractor is advised to contact the BUD one-call system; however, the Contractor should be aware that not all owners may be a member of the BUD one-call system.*

## ***Call Before You Dig (BUD) 1-800-752-6007***

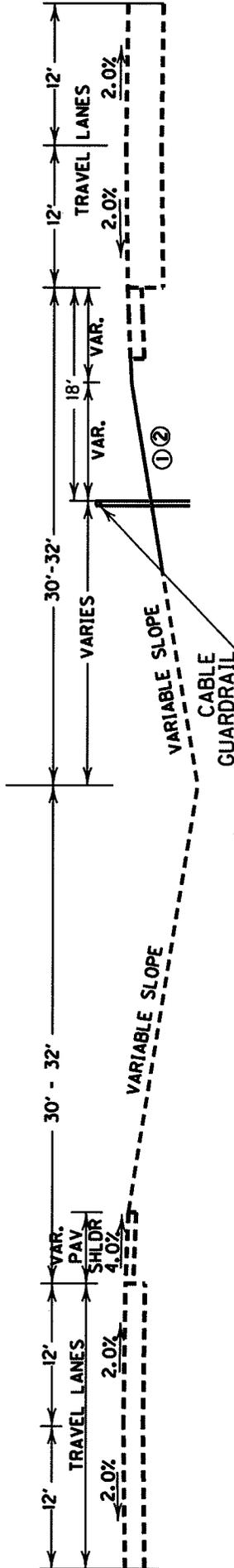
<b>PROPOSAL BY</b>  <b>KENTUCKY TRANSPORTATION CABINET</b>  <b>DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
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COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-2802.20	

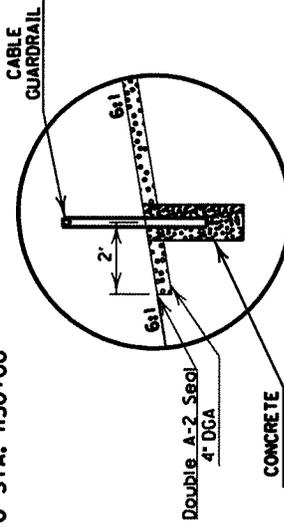
# TYPICAL SECTIONS



**NORMAL SECTION**  
 STA 1017+00 TO STA 1150+00  
 (East of Taylorsville Road to US 60 Shelbyville Road)



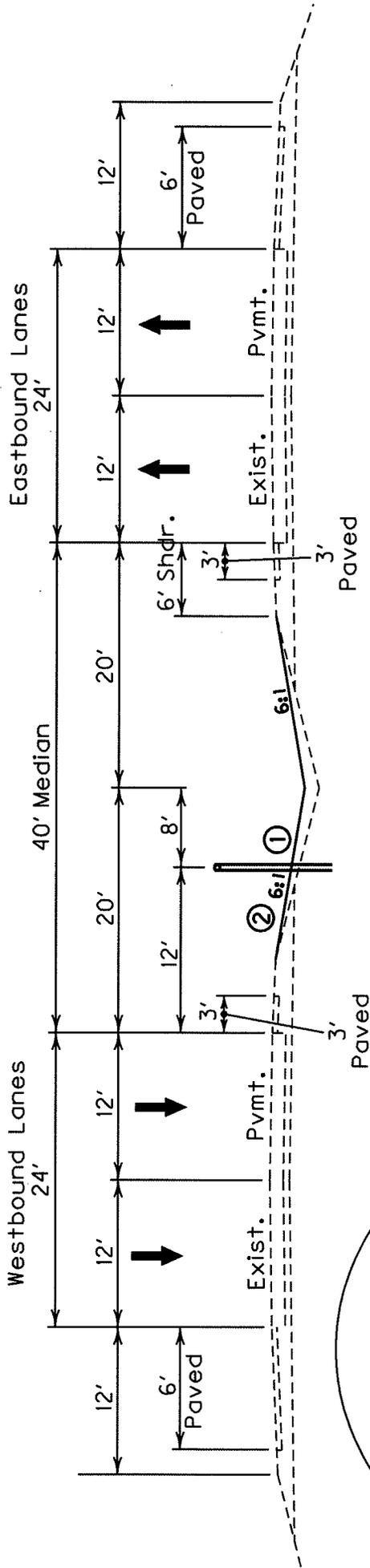
**NORMAL SECTION**  
 ALL OTHER LOCATIONS OTHER THAN STA 1017+00 TO STA 1150+00



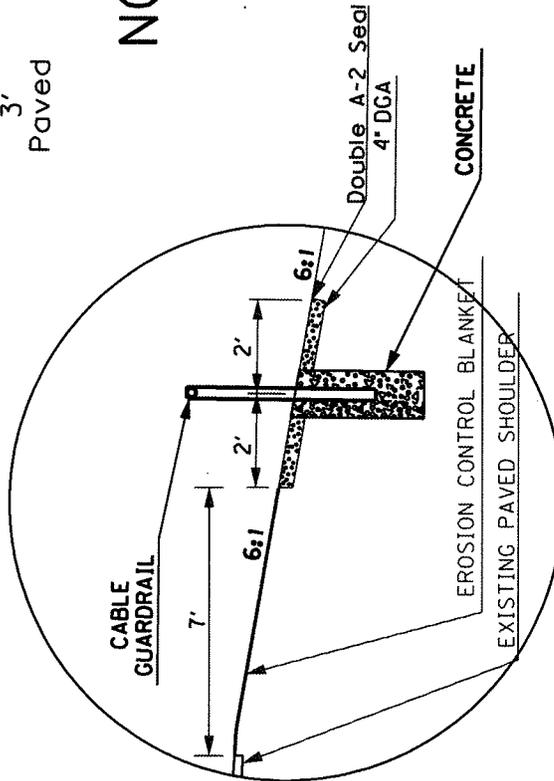
① Existing slopes vary along the project from 6:1 slopes to 4:1 slopes. Slope adjustments to match 6:1 will be considered incidental. NO TL-3 equivalent systems are to be used anywhere in the project. It is the contractor's responsibility to check the existing slopes before bidding on the project.

② Chip and Seal will be applied from the edge of the paved shoulder to 2' past the guardrail.  
 2.4 lb/sq.yd. of emulsified asphalt RS-2 (two applications).  
 20 lb/sq.yd. of asphalt seal aggregate (size No.8 or 9M) (Two Applications)

# TYPICAL SECTION



# NORMAL SECTION



- ① CHIP AND SEAL WILL BE APPLIED IN A 4' STIP (2' BOTH SIDES) UNDER THE CABLE GUARDRAIL. 2.4 LB. PER SQUARE YARD OF EMULSIFIED ASPHALT RS-2 (TWO APPLICATIONS). 20 LB. PER SQUARE YARD OF ASPHALT SEAL AGGREGATE (SIZE NO. 8 OR 9M) (TWO APPLICATIONS)
- ② BETWEEN THE WESTBOUND PAVED SHOULDER AND CHIP AND SEAL, EROSION CONTROL BLANKET WILL BE USED.

## GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT		PROJECT TOTALS
GENERAL				
0001	DGA	TON		20696
0100	ASPHALT SEAL AGGREGATE	TON		1800
0291	EMULSIFIED ASPHALT RS-2	TON		216
2010	ADJUST MEDIAN BOX	EACH		6
2562	SIGNS	SO FT		1,000
2569	DEMOBILIZATION	LP SUM		1
2570	PROJECT CPM SCHEDULE	LP SUM		2
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM		2
2671	VAR MESSAGE SIGN - PORT 3 LINE	EACH		4
2775	FLASHING ARROW	EACH		4
5950	EROSION CONTROL BLANKET (FOR USE ON I-64 ONLY)	SO YD		11,440
	• CONSISTS OF 7' OF CREEPING RED FESCUE			
5985	SEED & PROTECT	SO YD		63,825
20496NS843	SILT TRAP TYPE C	EACH		20
20497NS843	CLEAN SILT TRAP TYPE C	EACH		20
21132NC	INSTALL PROJECT ID SIGN (72"X120")	EACH		4
	FILL AND GRADE MEDIAN (FOR USE ON I-64 ONLY)	LIN FT		7,920
BRIFEN	WRSF (WIRE ROPE SAFETY FENCE)	LIN FT		60,900
	WRSF (WIRE ROPE SAFETY FENCE) END ANCHOR TYPE A	EACH		28
	REPLACE WRSF GUARDRAIL POST	EACH		2000
	REPLACE WRSF END ANCHOR TYPE A	EACH		7
	-OR-			
TRINITY	CABLE SAFETY SYSTEM	LIN FT		60,217
	CASS END ANCHOR	EACH		28
	REPLACE CASS GUARDRAIL POST	EACH		2000
	REPLACE CASS END ANCHOR	EACH		7

- Notes:**
- For both types of safety systems, foundation work (concrete, excavation for the post holes, etc.) will be considered incidental to the contract unit price bid per linear foot for WRSF or CASS.
  - Unit costs for replacement of guardrail posts should include cost for cleanup of debris from the guardrail crash.
  - Upon completion of phase 2 work, KYTC will purchase remaining posts (up to 2000) bid for replacement of posts, at invoice price. These posts will be delivered to the Middletown maintenance barn by the contractor.
  - Erosion Control quantiles are based on probable amounts estimated by the designer

PROPOSAL BY  <b>KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
	I-265 & I-64 <small>ROUTE NAME:</small>	13.705 MILES <small>LENGTH OF PROJECT:</small>	
	JEFFERSON <small>COUNTY OF:</small>	KENTUCKY <small>STATE OF:</small>	
	6.303 to 7.809 23.101 to 35.300 <small>MILE POINT:</small>	5-2802.20 <small>ITEM NO.:</small>	20 of 60 <small>SHEET NO.</small>

## GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT		PROJECT TOTALS
GENERAL				
0001	DGA	TON		20065
0100	ASPHALT SEAL AGGREGATE	TON		1745
0291	EMULSIFIED ASPHALT RS-2	TON		209
2562	SIGNS	SO FT		500
2569	DEMOBILIZATION	LP SUM		1
2570	PROJECT CPM SCHEDULE	LP SUM		1
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM		1
2671	VAR MESSAGE SIGN - PORT 3 LINE	EACH		2
2775	FLASHING ARROW	EACH		2
5985	SEED & PROTECT	SO YD		63,825
20496NS843	SILT TRAP TYPE C	EACH		14
20497NS843	CLEAN SILT TRAP TYPE C	EACH		14
21132NC	INSTALL PROJECT ID SIGN (72"X120")	EACH		2
BRIFEN	WRSF (WIRE ROPE SAFETY FENCE)	LIN FT		54,882
	WRSF (WIRE ROPE SAFETY FENCE) END ANCHOR TYPE A	EACH		22
	REPLACE WRSF GUARDRAIL POST	EACH		1800
	REPLACE WRSF END ANCHOR TYPE A	EACH		5
	-OR-			
TRINITY	CABLE SAFETY SYSTEM	LIN FT		54,324
	CASS END ANCHOR	EACH		22
	REPLACE CASS GUARDRAIL POST	EACH		1800
	REPLACE CASS END ANCHOR	EACH		5

- Notes:**
- For both types of safety systems, foundation work (concrete, excavation for the post holes, etc.) will be considered incidental to the contract unit price bid per linear foot for WRSF or CASS.
  - Unit costs for replacement of guardrail posts should include cost for cleanup of debris from the guardrail crash.
  - Upon completion of phase 2 work, KYTC will purchase remaining posts (up to 1800) bid for replacement of posts, at invoice price. These posts will be delivered to the Middletown maintenance barn by the contractor.
  - Erosion Control quantities are based on probable amounts estimated by the designer

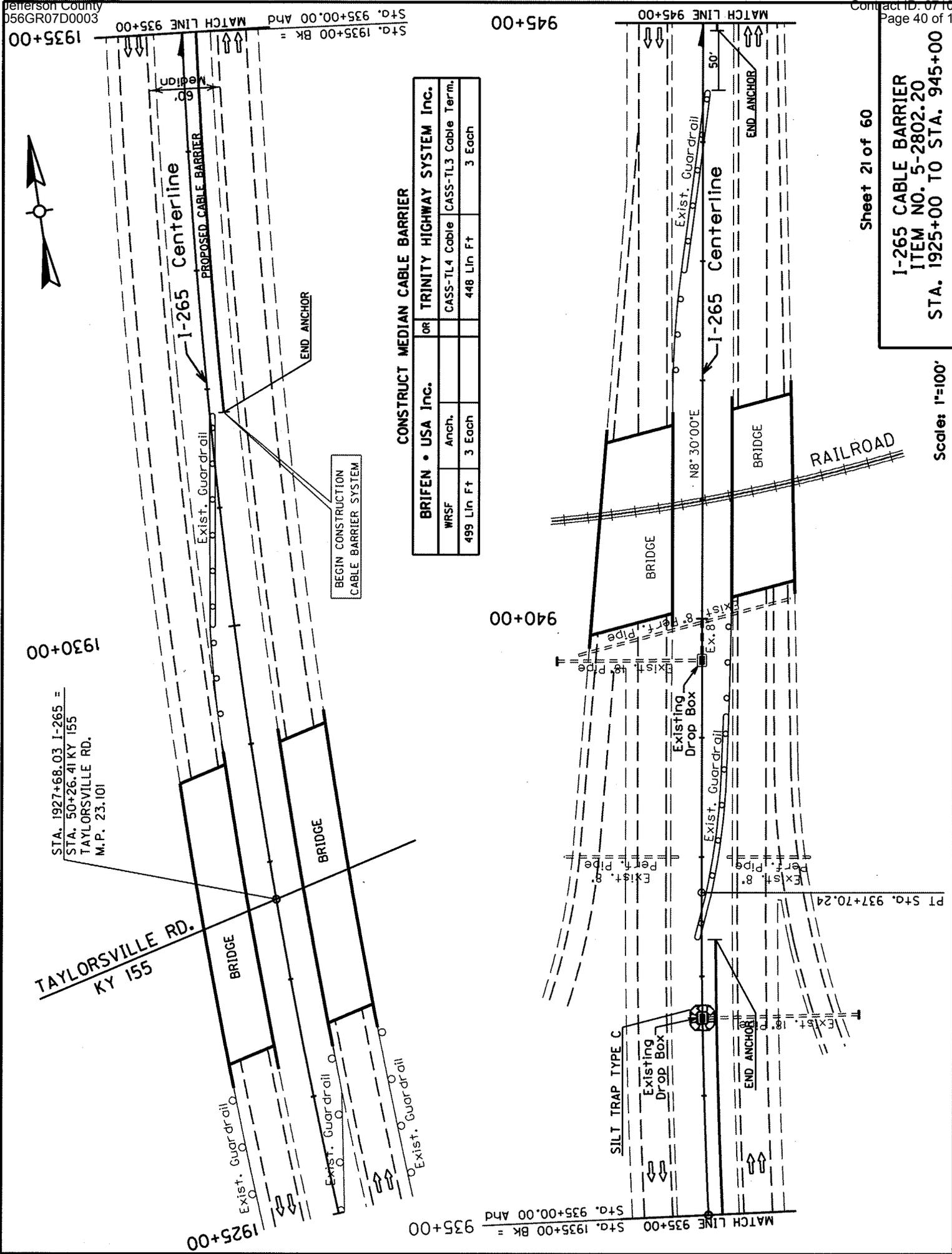
PROPOSAL BY  KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS	<b>PROPOSED MEDIAN BARRIER</b>		
	I-265 <small>ROUTE NAME:</small>	12.199 MILES <small>LENGTH OF PROJECT:</small>	
	JEFFERSON <small>COUNTY OF:</small>	KENTUCKY <small>STATE OF:</small>	
	23.101 to 35.300 <small>MILE POINT:</small>	5-2802.20 <small>ITEM NO.:</small>	20A OF 60 <small>SHEET NO.</small>

## GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT		PROJECT TOTALS
GENERAL				
0001	DGA	TON		631
0100	ASPHALT SEAL AGGREGATE	TON		55
0291	EMULSIFIED ASPHALT RS-2	TON		7
2010	ADJUST MEDIAN BOX	EACH		6
2562	SIGNS	SO FT		500
2570	PROJECT CPM SCHEDULE	LP SUM		1
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM		1
2671	VAR MESSAGE SIGN - PORT 3 LINE	EACH		2
2775	FLASHING ARROW	EACH		2
5950	EROSION CONTROL BLANKET	SO YD		11,440
	• CONSISTS OF 7' OF CREEPING RED FESCUE			
20496NS843	SILT TRAP TYPE C	EACH		6
20497NS843	CLEAN SILT TRAP TYPE C	EACH		6
21132NC	INSTALL PROJECT ID SIGN (72"X120")	EACH		2
	FILL AND GRADE MEDIAN	LIN FT		7,920
BRIFEN	WRSF (WIRE ROPE SAFETY FENCE)	LIN FT		6018
	WRSF (WIRE ROPE SAFETY FENCE) END ANCHOR TYPE A	EACH		6
	REPLACE WRSF GUARDRAIL POST	EACH		200
	REPLACE WRSF END ANCHOR TYPE A	EACH		2
	-OR-			
TRINITY	CABLE SAFETY SYSTEM	LIN FT		5893
	CASS END ANCHOR	EACH		6
	REPLACE CASS GUARDRAIL POST	EACH		200
	REPLACE CASS END ANCHOR	EACH		2

- Notes:**
- For both types of safety systems, foundation work (concrete, excavation for the post holes, etc.) will be considered incidental to the contract unit price bid per linear foot for WRSF or CASS.
  - Unit costs for replacement of guardrail posts should include cost for cleanup of debris from the guardrail crash.
  - Upon completion of phase 2 work, KYTC will purchase remaining posts (up to 200) bid for replacement of posts, at invoice price. These posts will be delivered to the Middletown maintenance barn by the contractor.
  - Erosion Control quantities are based on probable amounts estimated by the designer

PROPOSAL BY  <b>KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS</b>	<b>PROPOSED MEDIAN BARRIER</b>		
	1-64 <small>ROUTE NAME:</small>	1.506 MILES <small>LENGTH OF PROJECT:</small>	
	JEFFERSON <small>COUNTY OF:</small>	KENTUCKY <small>STATE OF:</small>	
	6.303 to 7.809 <small>MILE POINT:</small>	5-2802.20 <small>ITEM NO.:</small>	208 OF 60 <small>SHEET NO.</small>



MATCH LINE 935+00  
Sta. 1935+00 Bk =  
Sta. 935+00.00 Ahd

MATCH LINE 935+00  
Sta. 1935+00 Bk =  
Sta. 935+00.00 Ahd

**CONSTRUCT MEDIAN CABLE BARRIER**

BRIFEN • USA Inc.		OR	TRINITY HIGHWAY SYSTEM INC.	
WRSF	Anch.		CASS-TL4 Cable	CASS-TL3 Cable Term.
499 Lin Ft	3 Each		448 Lin Ft	3 Each

945+00

940+00

935+00

Sheet 21 of 60

**I-265 CABLE BARRIER**  
ITEM NO. 5-2802.20  
STA. 1925+00 TO STA. 945+00

Scale: 1"=100'

STA. 1927+68.03 I-265 =  
STA. 50+26.41 KY 155  
TAYLORSVILLE RD.  
M.P. 23.101

**TAYLORSVILLE RD.**  
KY 155

RAILROAD

PT Sta. 937+70.24

SILT TRAP TYPE C  
Existing Drop Box  
END ANCHOR

Existing Drop Box

END ANCHOR

END ANCHOR

BRIDGE

BRIDGE

BRIDGE

I-265 Centerline

I-265 Centerline

PROPOSED CABLE BARRIER

EXIST. GUARDRAIL

EXIST. GUARDRAIL

EXIST. GUARDRAIL

EXIST. GUARDRAIL

EXIST. GUARDRAIL

END ANCHOR

BEGIN CONSTRUCTION  
CABLE BARRIER SYSTEM



60'

50'

N8° 30' 00" E

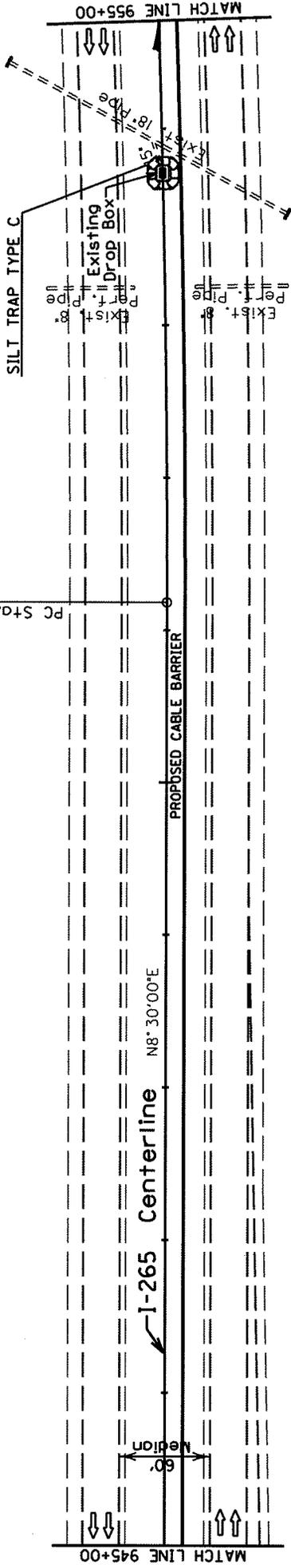
EXIST. PIPE



955+00

950+00

945+00



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.		OR TRINITY HIGHWAY SYSTEM INC.	
WRSF	Anch.	CASS-TL4 Cable	CASS-TL3 Cable Term.
1981 Ltn Ft	0	1956 Ltn Ft	0

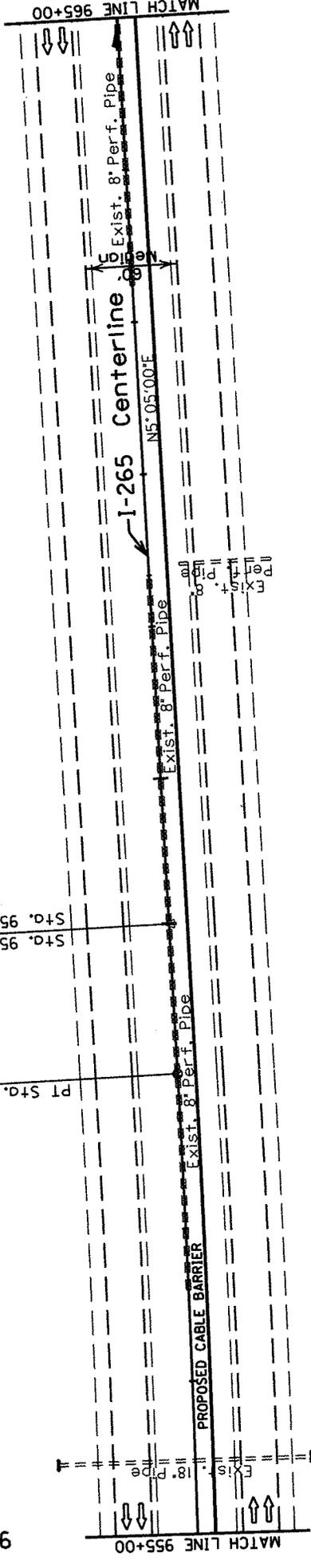
965+00

960+00

955+00

Sta. 959+00.00 Bk = 959+00  
Sta. 959+04.47 Ahd =

PT Sta. 958+01.55



Sheet 22 of 60

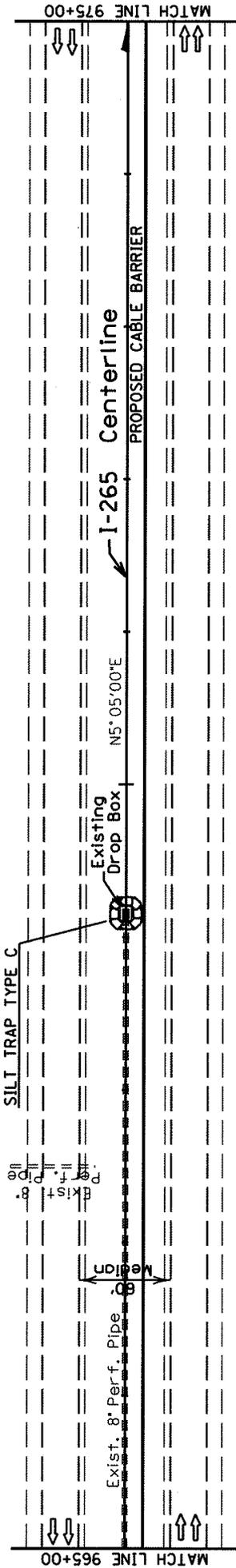
I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 945+00 TO STA. 965+00

Scale: 1"=100'

975+00

970+00

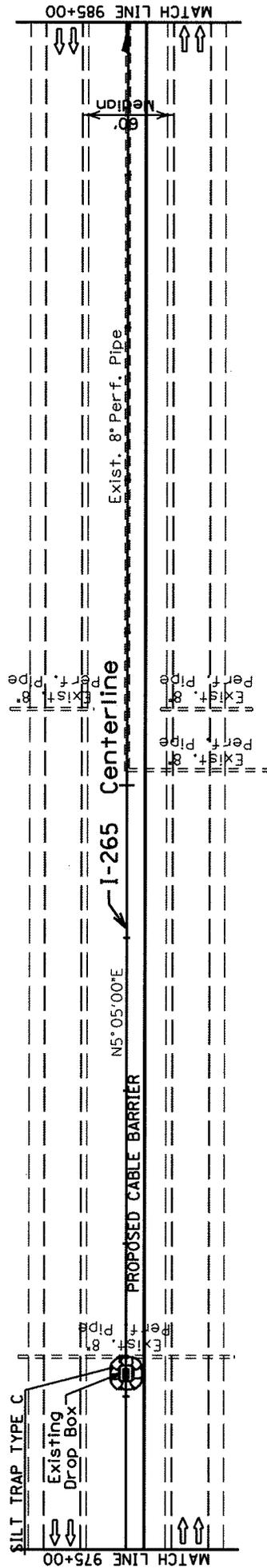
965+00



985+00

980+00

975+00



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
2000 Ln.ft	0 Each	2000 Ln.ft
		CASS-TL3 Cable Term.
		0 Each

Sheet 23 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 965+00 TO STA. 985+00

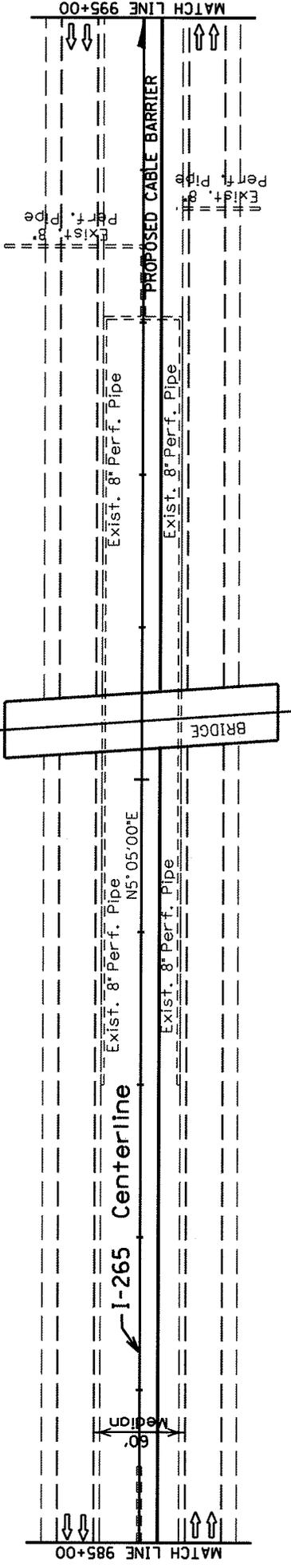
Scale: 1"=100'

995+00

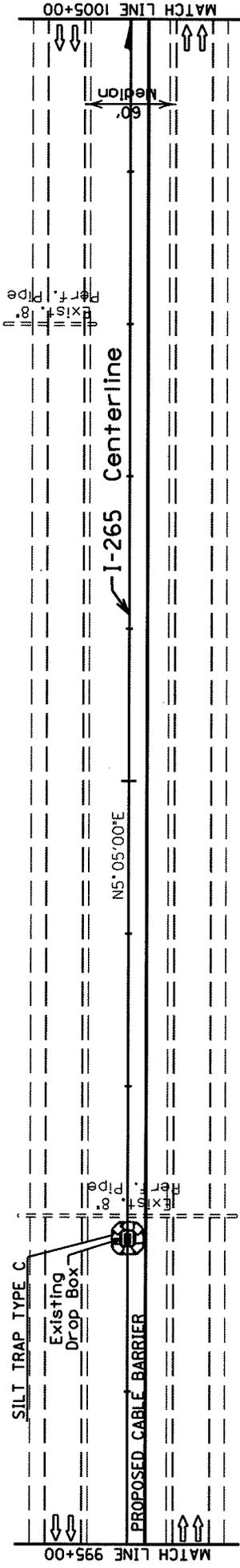
1005+00



RIEHL ROAD  
990+00



1000+00



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.		OR TRINITY HIGHWAY SYSTEM Inc.	
WRSF	Anch.		
2000 Ln. ft	0 Each	CASS-TL4 Cable	CASS-TL3 Cable Term.
		2000 Ln. ft	0 Each

Sheet 24 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 985+00 TO STA. 1005+00

Scale: 1"=100'

985+00

995+00

MATCH LINE 995+00

MATCH LINE 985+00

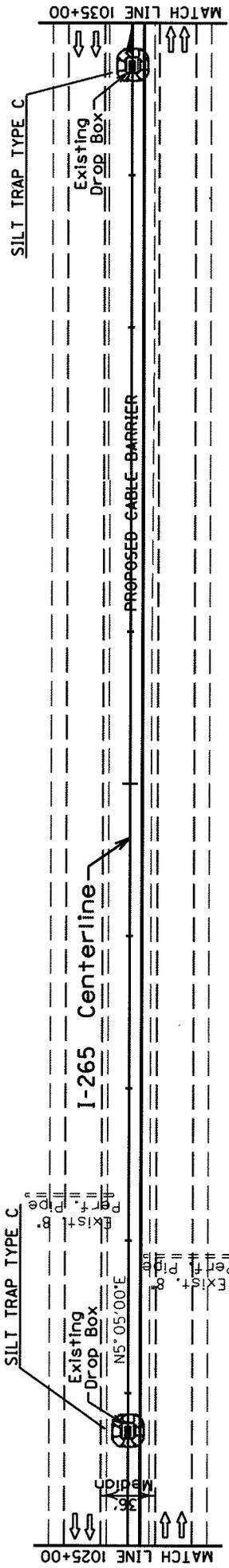


1035+00



1030+00

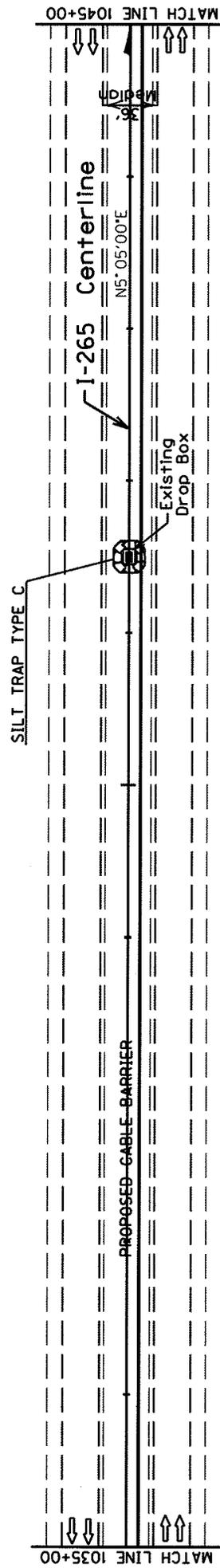
1025+00



1045+00

1040+00

1035+00



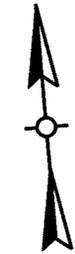
CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.		OR	TRINITY HIGHWAY SYSTEM Inc.	
WRSF	Anch.		CASS-TL4 Cable	CASS-TL3 Cable Term.
2000 Ln. ft	0 Each		2000 Ln. ft	0 Each

Sheet 26 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1025+00 TO STA. 1045+00

Scale: 1"=100'

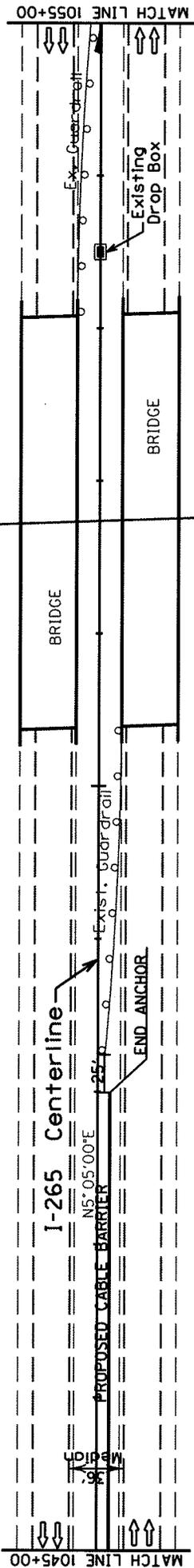


1055+00

1050+00

1045+00

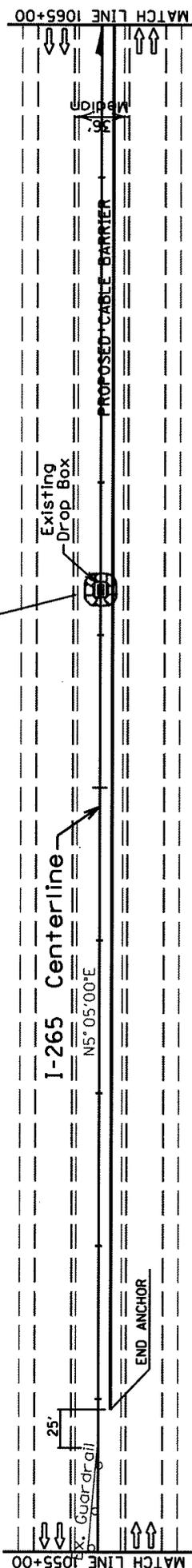
1-64



1065+00

1060+00

1055+00



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA INC.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
1154 Ln. ft	2 Each	CASS-TL3 Cable Term.
		1104 Ln. ft
		2 Each

Sheet 27 of 60

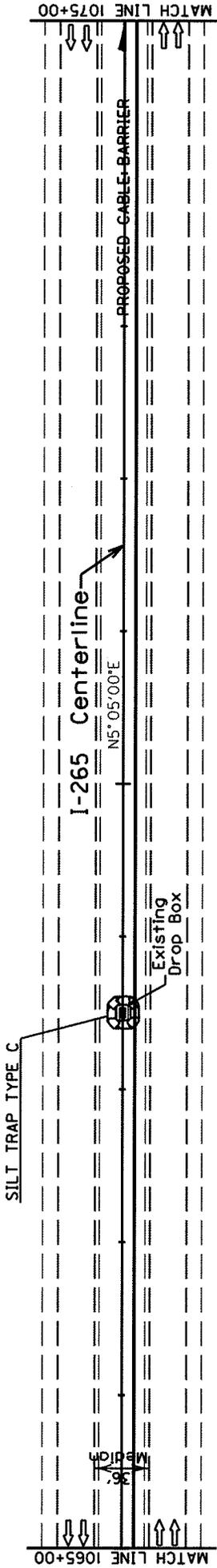
I-265 CABLE BARRIER  
 ITEM NO. 5-2802.00  
 STA. 1045+00 TO STA. 1065+00

Scale: 1"=100'



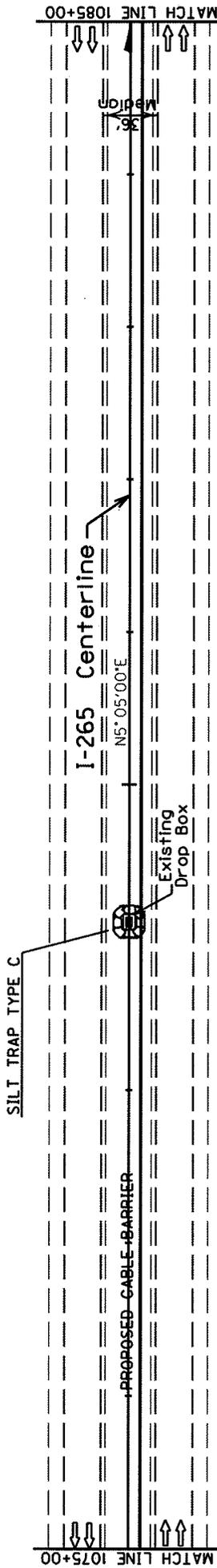
1070+00

1065+00



1080+00

1075+00



**CONSTRUCT MEDIAN CABLE BARRIER**

BRIFEN • USA Inc.		OR	TRINITY HIGHWAY SYSTEM Inc.	
WRSF	Anch.		CASS-TL4 Cable	CASS-TL3 Cable Term.
2000 Ln. ft	0 Each		2000 Ln. ft	0 Each

Sheet 28 of 60

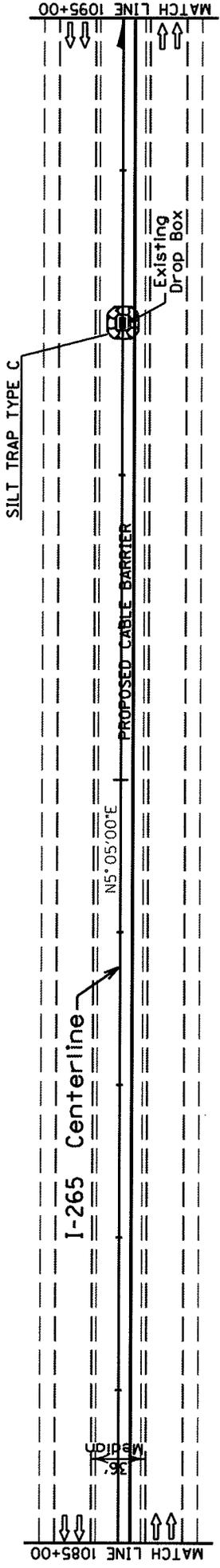
I-265 CABLE BARRIER  
 ITEM NO. 5-2802.20

Scale: 1"=100'

STA. 1065+00 TO STA. 1085+00

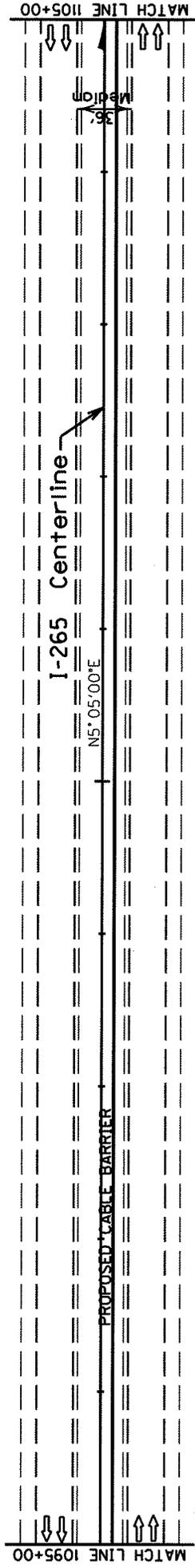


00+0601



1085+00

00+0011



1095+00

CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable CASS-TL3 Cable Term.
2000 Ln. ft	0 Each	2000 Ln. ft 0 Each

Sheet 29 of 60

I-265 CABLE BARRIER  
 ITEM NO. 5-2802.20  
 STA. 1085+00 TO STA. 1105+00

Scale: 1"=100'

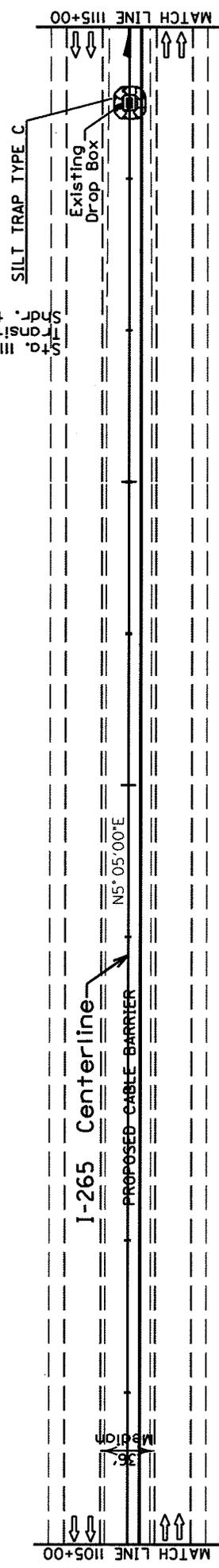


Sta. 1113+00 Begin  
 Transition 10' Inside  
 Shdr. to 6' Inside Shdr.

1112+00

1110+00

1105+00

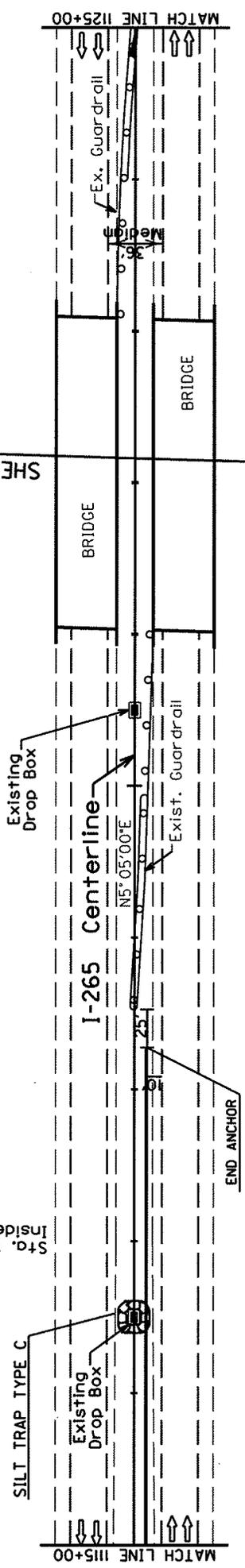


1125+00

1120+00

1115+00

SHELBYVILLE RD - US 60



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.		OR TRINITY HIGHWAY SYSTEM Inc.	
WRSF	Anch.	CASS-TL4 Cable	CASS-TL3 Cable Term.
1302 Ln. ft	1 Each	1277 Ln. ft	1 Each

Sheet 30 of 60

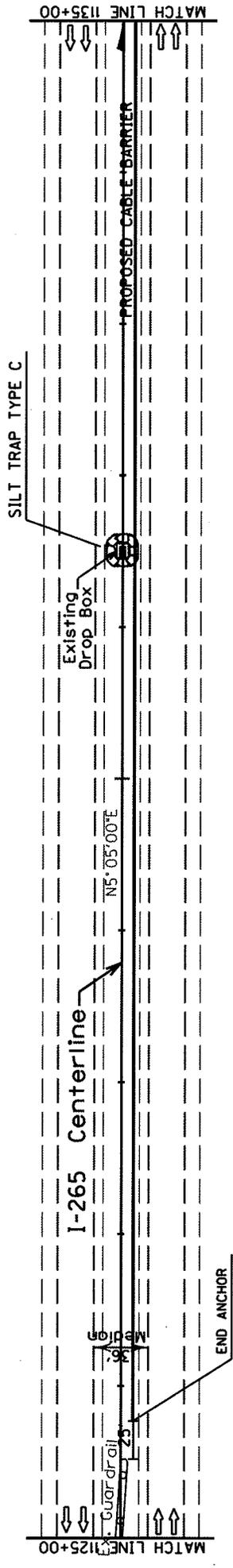
I-265 CABLE BARRIER  
 ITEM NO. 5-2802.20  
 STA. 1105+00 TO STA. 1125+00

Scale: 1"=100'



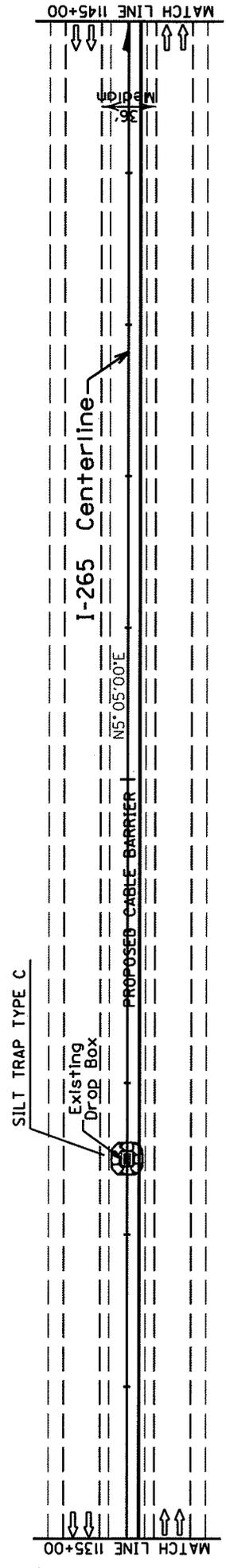
1130+00

1125+00



1140+00

1135+00



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
1897 Ln. ft	1 Each	CASS-TL3 Cable Term.
		1872 Ln. ft
		1 Each

Sheet 31 of 60

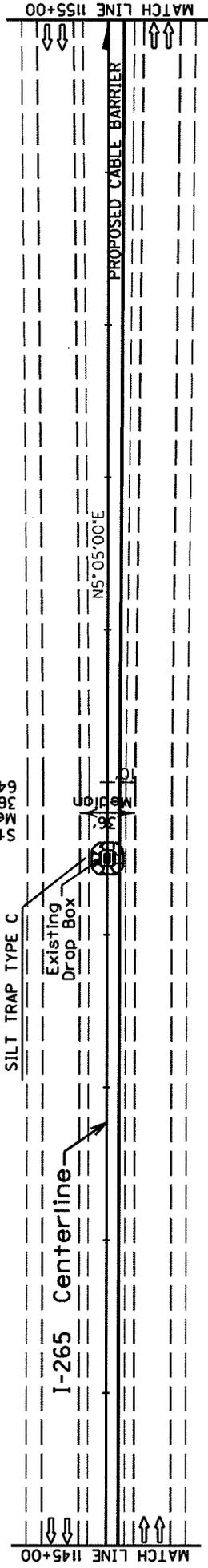
I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1125+00 TO STA. 1145+00

Scale: 1"=100'

1155+00



Sta. 1150+00 Begin  
Median Transition  
36' Median to  
64' Median 1150+00

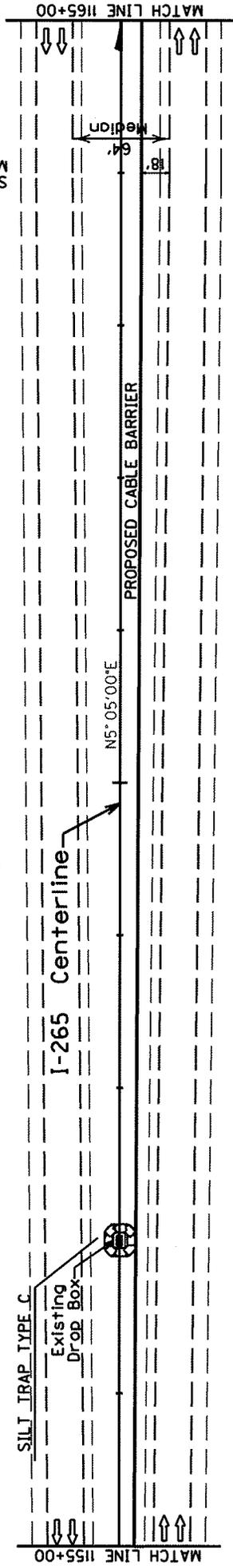


1165+00

1160+00

1155+00

Sta. 1164+00 End  
Median Transition



**CONSTRUCT MEDIAN CABLE BARRIER**

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
2000 Ln.ft	0 Each	2000 Ln.ft
		CASS-TL3 Cable Term.
		0 Each

Sheet 32 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1145+00 TO STA. 1165+00

Scale: 1"=100'



AIKEN ROAD

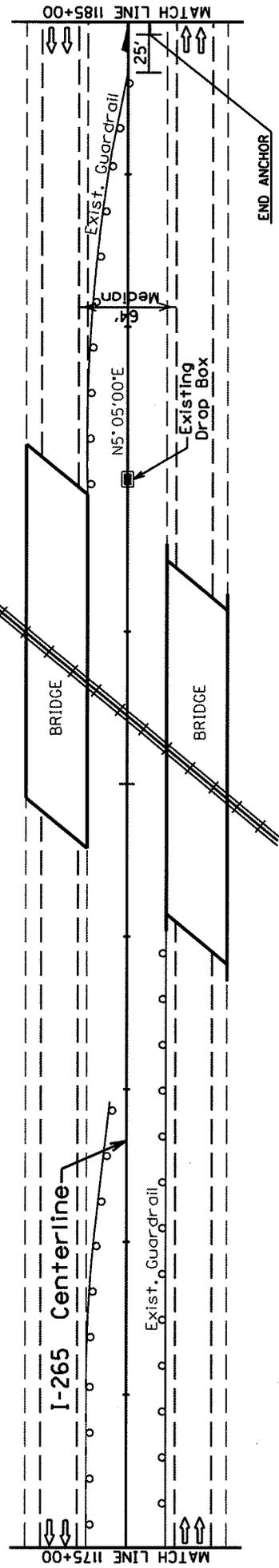
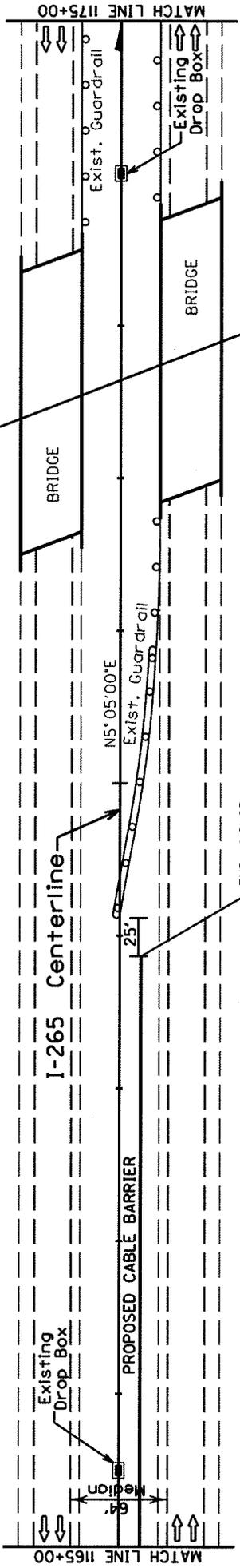
RAILROAD

1170+00

1180+00

1165+00

1175+00



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
361 Ln. ft	2 Each	CASS-TL3 Cable Term.
		336
		2 Each

Sheet 33 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1165+00 TO STA. 1185+00

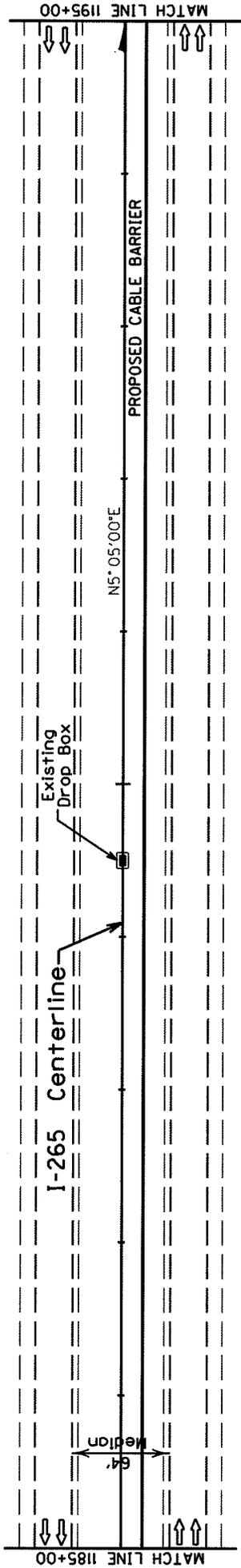
Scale: 1"=100'



1195+00

1190+00

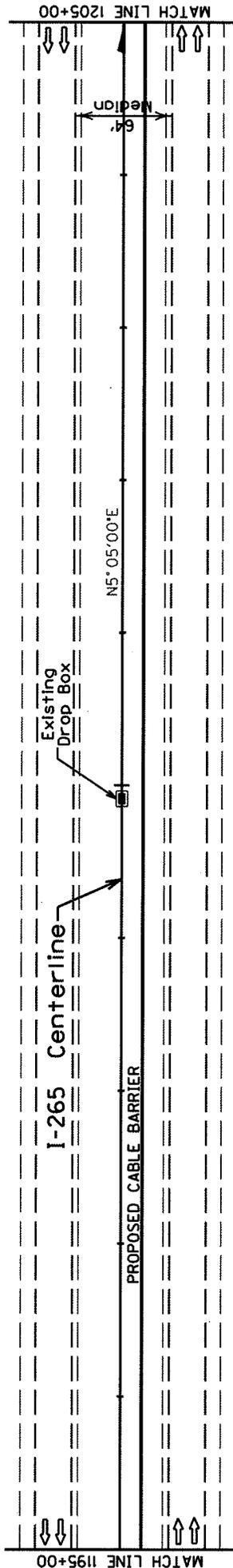
1185+00



1205+00

1200+00

1195+00



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
1982 Ln. ft	0 Each	CASS-TL3 Cable Term.
		1957 Ln. ft
		0 Each

Sheet 34 of 60

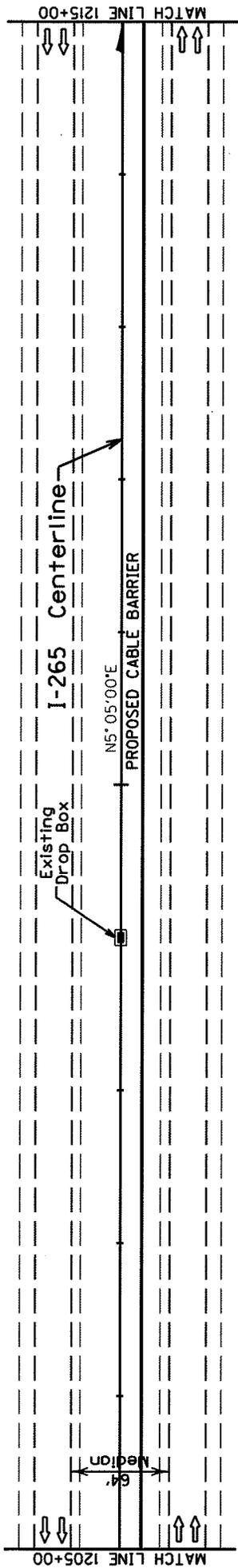
I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1185+00 TO STA. 1205+00

Scale: 1"=100'



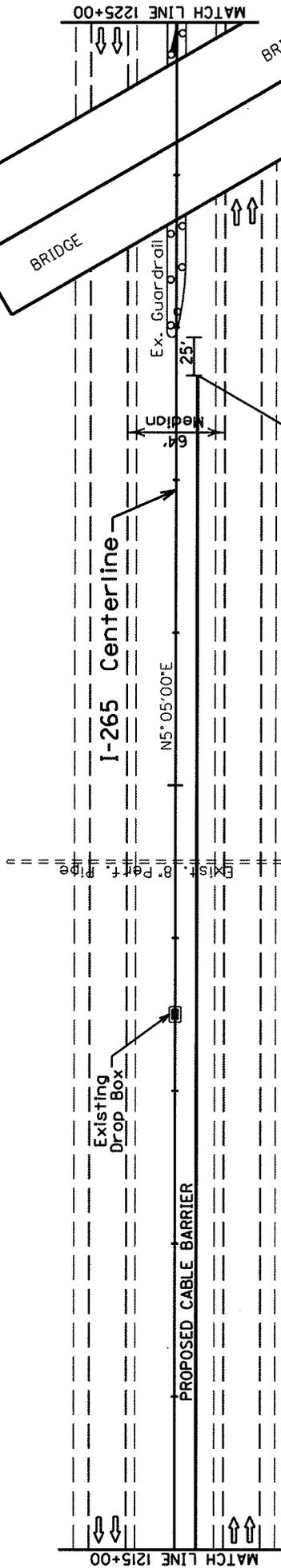
1210+00

1205+00



1220+00

1215+00



OLD HENRY RD  
BRIDGE

**CONSTRUCT MEDIAN CABLE BARRIER**

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable
1743	1 Each	CASS-TL3 Cable Term.
		1718 Ln. ft
		1 Each

Sheet 35 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20

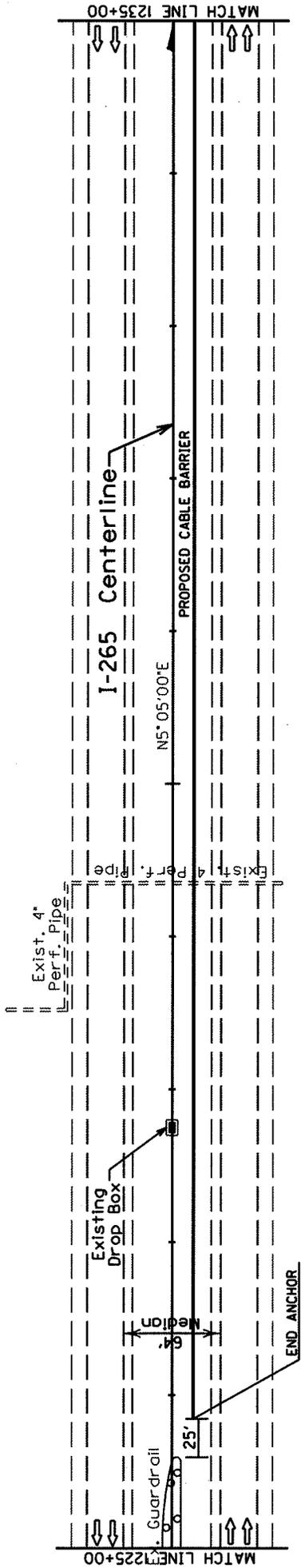
STA. 1205+00 TO STA. 1225+00

Scale: 1"=100'



1230+00

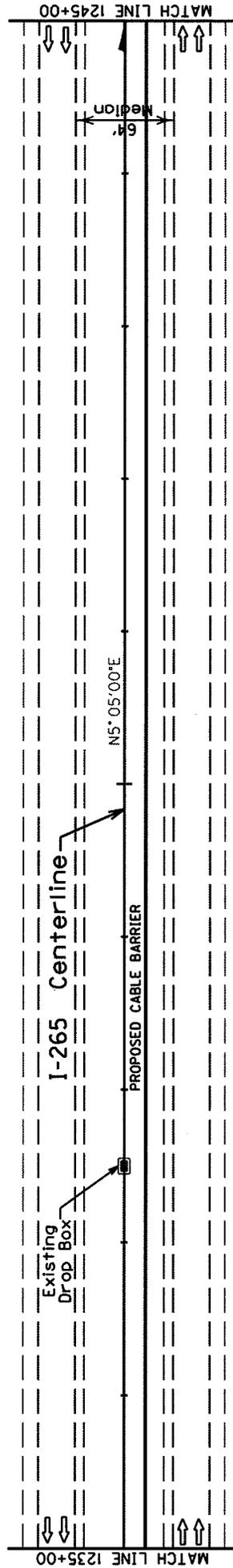
1225+00



1245+00

1240+00

1235+00



**CONSTRUCT MEDIAN CABLE BARRIER**

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch. TY. A	CASS-TL4 Cable CASS-TL3 Cable Term.
1890 Ln. ft	1 Each	1864 Ln. ft 1 Each

Sheet 36 of 60

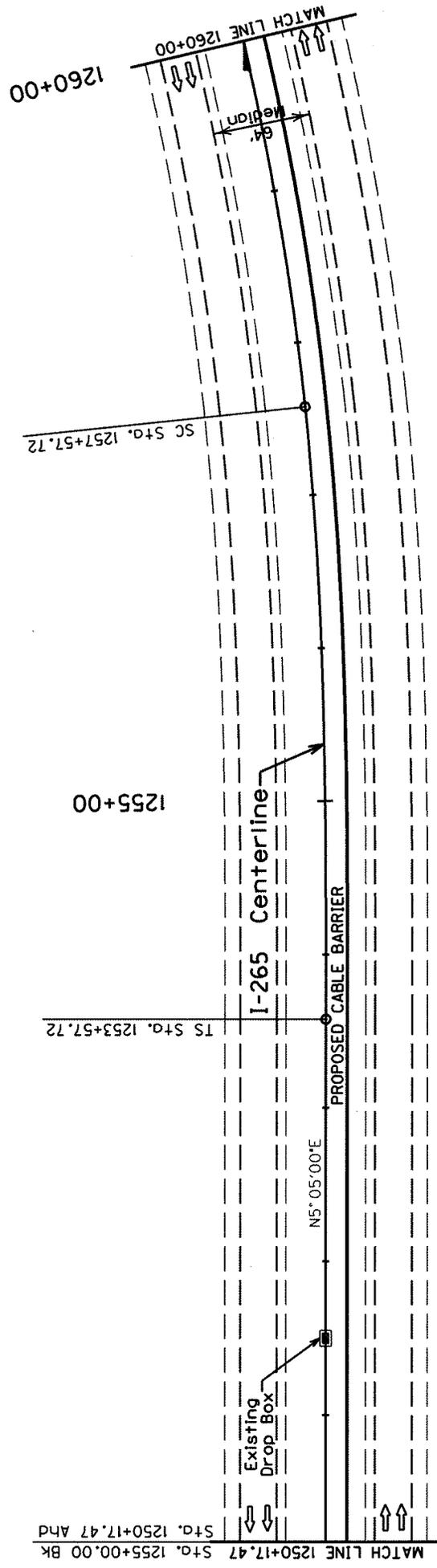
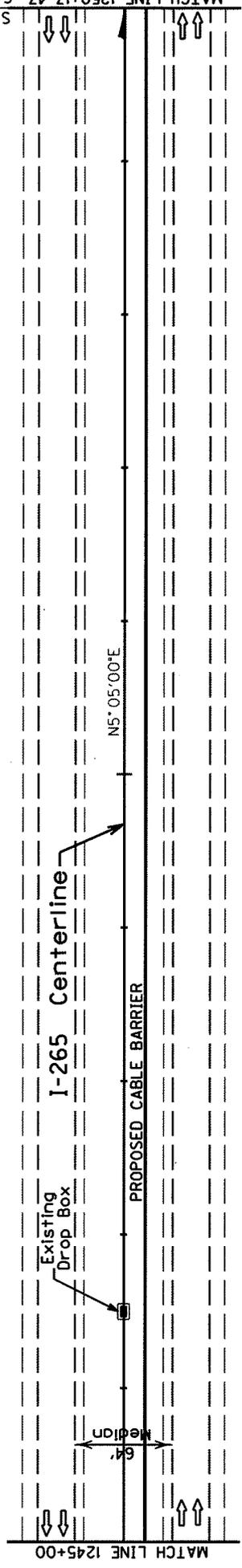
I-265 CABLE BARRIER  
 ITEM NO. 5-2802.20  
 STA. 1225+00 TO STA. 1245+00

Scale: 1"=100'

Stg. 1255+00.00 BK  
 Stg. 1250+17.47

1250+00

1245+00



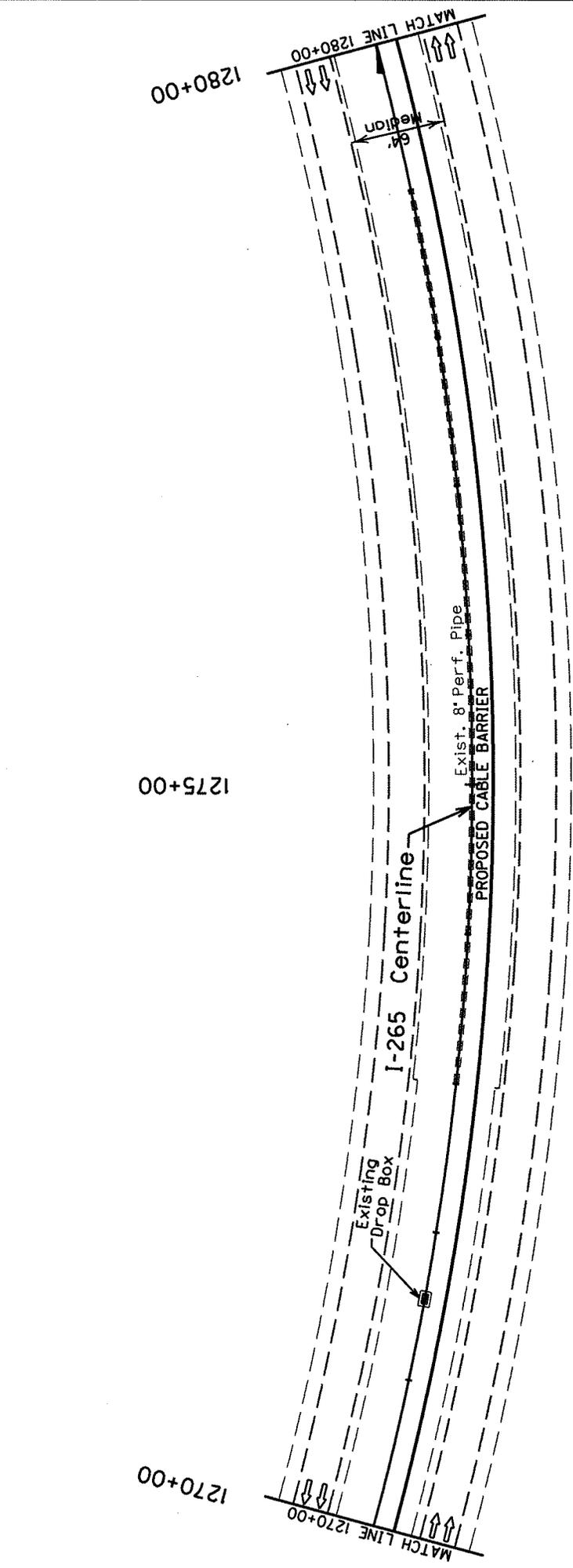
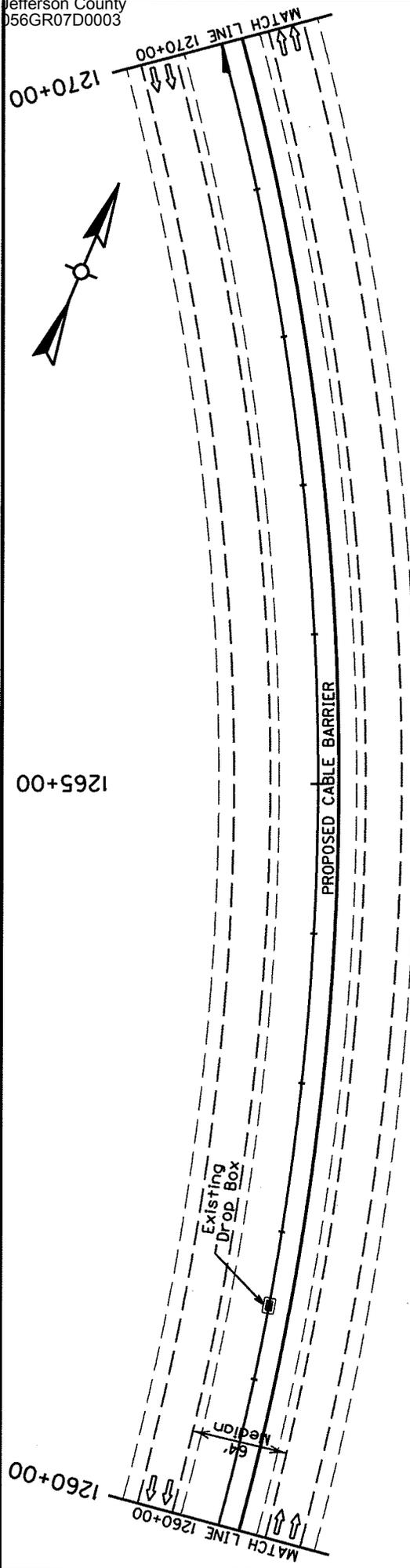
CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable CASS-TL3 Cable Term.
1500 Ln.ft	0 Each	1500 Ln.ft 0 Each

Sheet 37 of 60

I-265 CABLE BARRIER  
 ITEM NO. 5-2802.20  
 STA. 1245+00 TO STA. 1260+00

Scale: 1"=100'



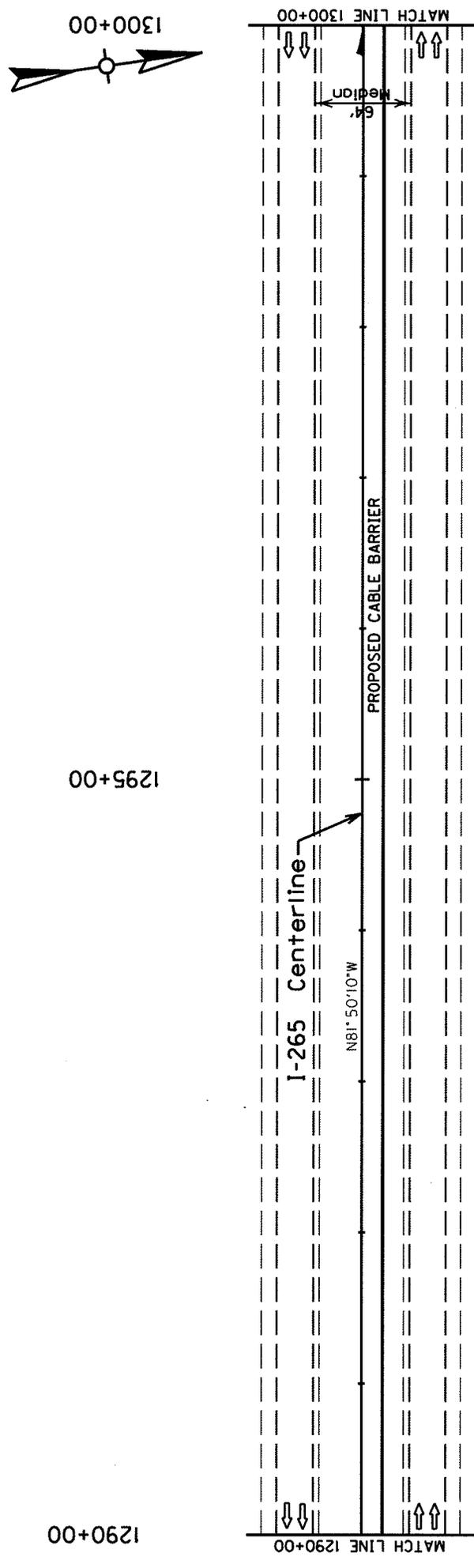
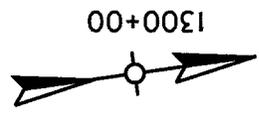
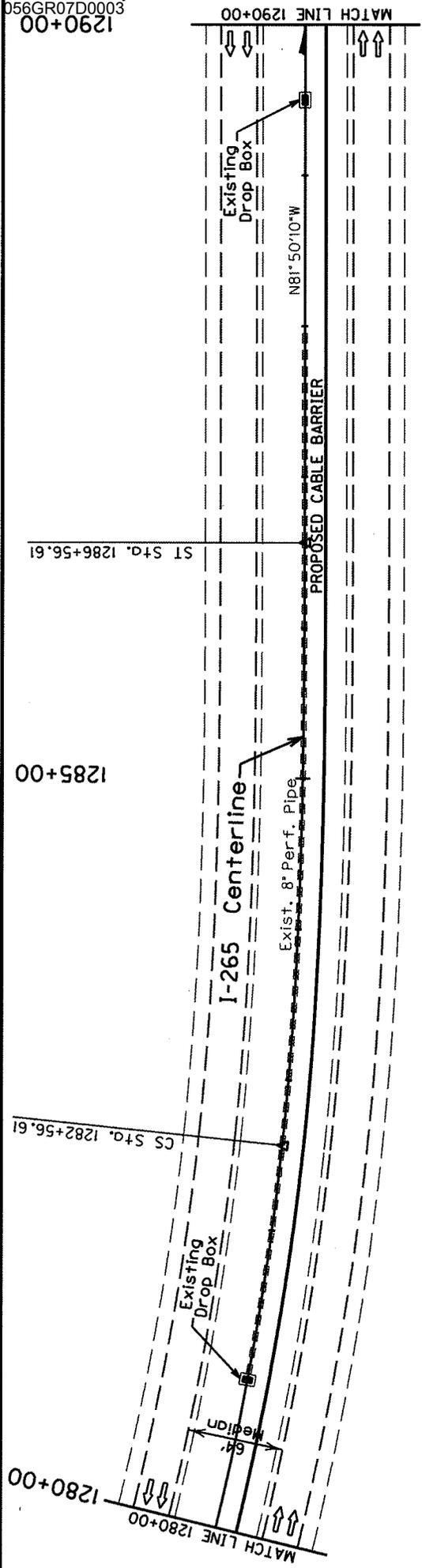
CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable
2000 Ln.ft	0 Each	2000 Ln.ft
		0 Each

Sheet 38 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1260+00 TO STA. 1280+00

Scale: 1"=100'



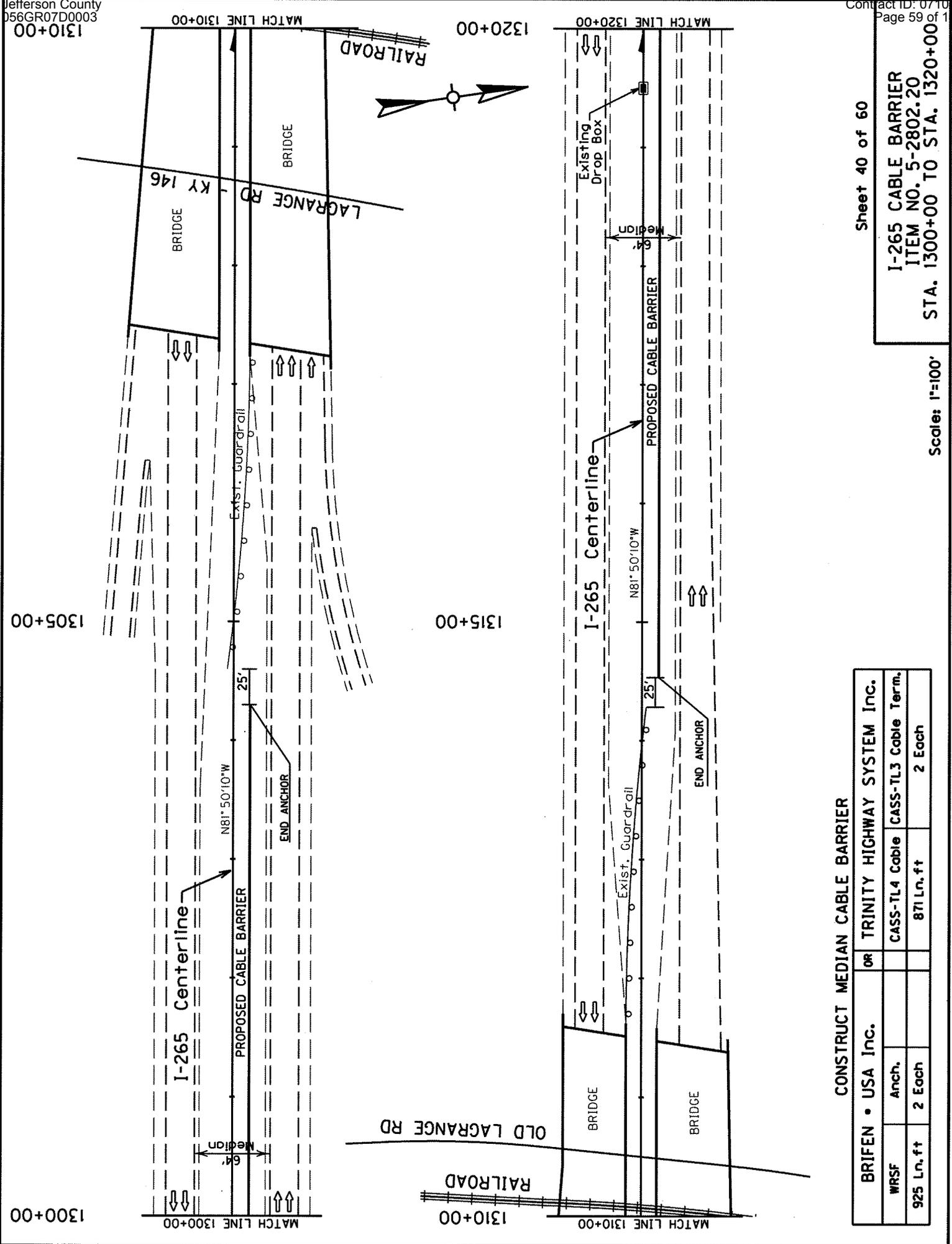
CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable
2000 Ln. ft	0 Each	CASS-TL3 Cable Term.
		2000 Ln. ft
		0 Each

Sheet 39 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1280+00 TO STA. 1300+00

Scale: 1"=100'



Sheet 40 of 60  
 I-265 CABLE BARRIER  
 ITEM NO. 5-2802.20  
 STA. 1300+00 TO STA. 1320+00

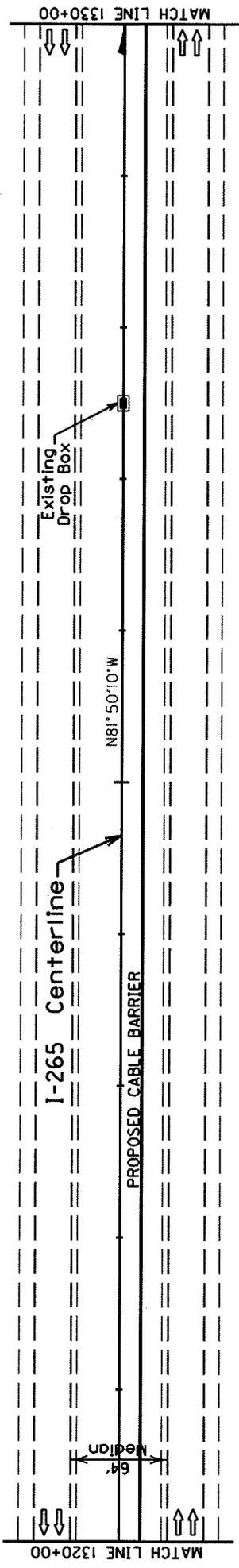
Scale: 1"=100'

CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
925 Ln. ft	2 Each	CASS-TL3 Cable Term.
		871 Ln. ft
		2 Each

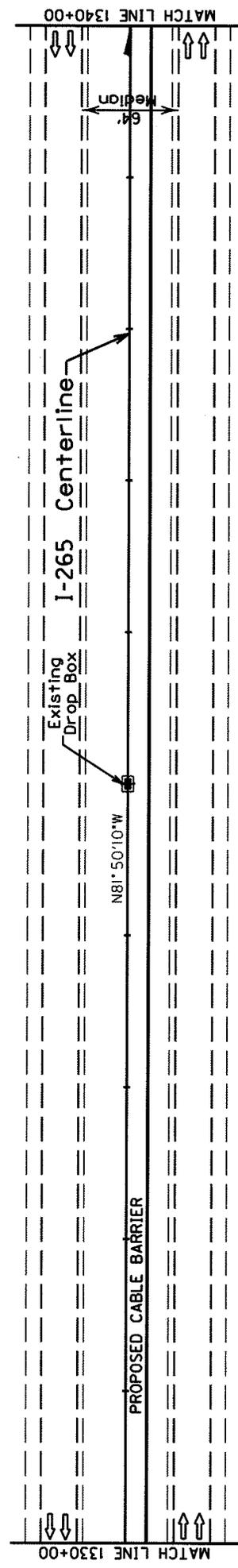
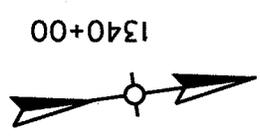
1325+00

1320+00



1335+00

1330+00



**CONSTRUCT MEDIAN CABLE BARRIER**

BRIFEN • USA Inc.		OR TRINITY HIGHWAY SYSTEM INC.	
WRSF	Anch.	CASS-TL4 Cable	CASS-TL3 Cable Term.
2000 Ln.ft	0 Each	2000 Ln.ft	0 Each

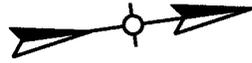
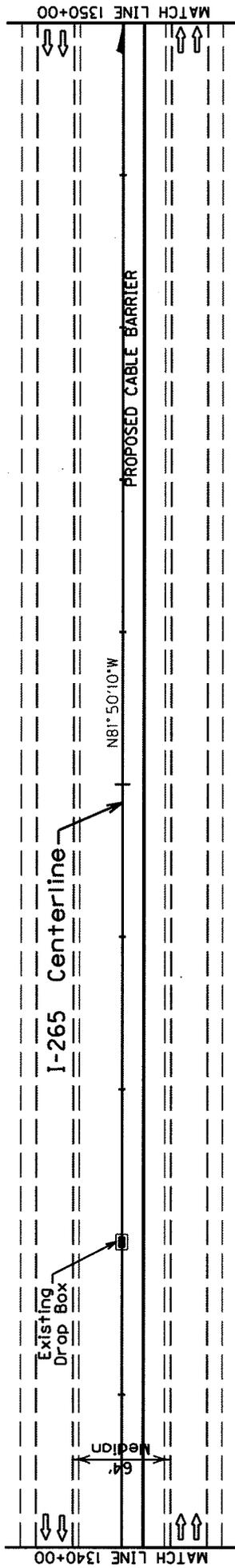
Sheet 41 of 60

**I-265 CABLE BARRIER**  
 ITEM NO. 5-2802.20  
 STA. 1320+00 TO STA. 1340+00

Scale: 1"=100'

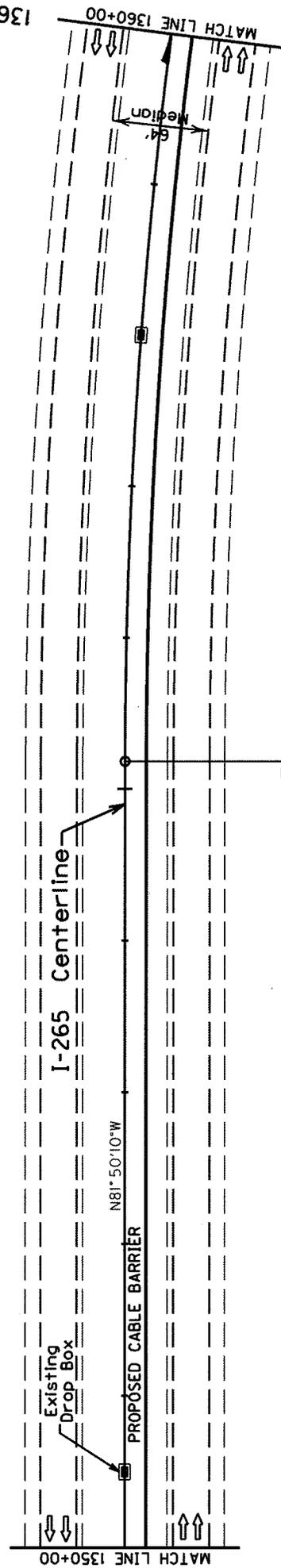
1345+00

1340+00



1355+00

1350+00



CONSTRUCT MEDIAN CABLE BARRIER

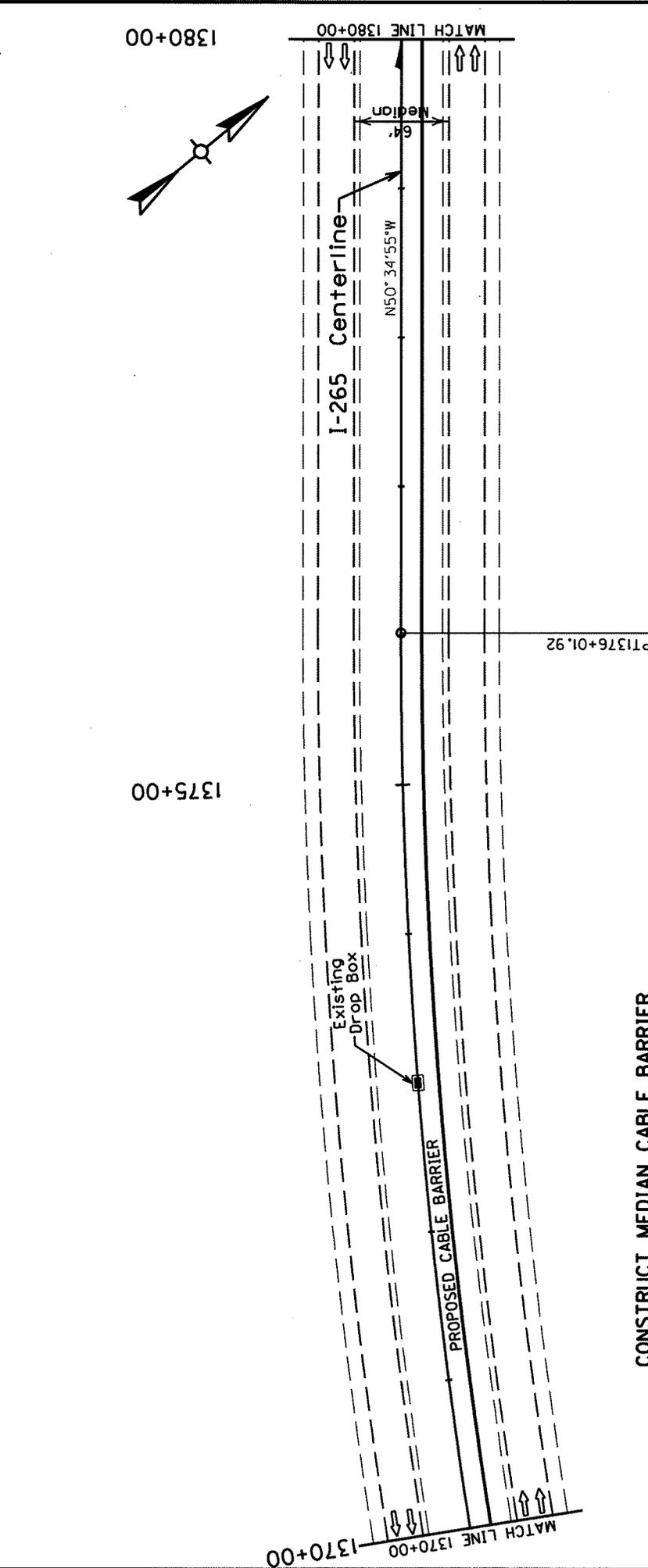
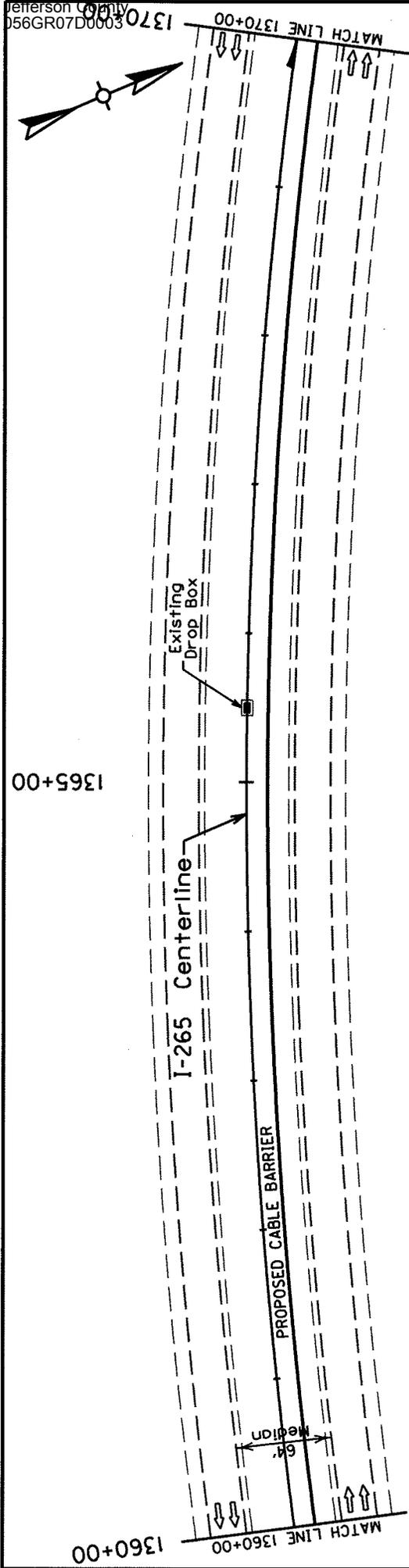
BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
2000 Ln.ft	0 Each	CASS-TL3 Cable Term.
	0 Each	2000 Ln.ft
		0 Each

Sheet 42 of 60

I-265 CABLE BARRIER  
 ITEM NO. 5-2802.20  
 STA. 1340+00 TO STA. 1360+00

Scale: 1"=100'

PC1355+18.31



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable CASS-TL3 Cable Term.
2000 Ln.ft	0 Each	2000 Ln.ft 0 Each

Sheet 43 of 60

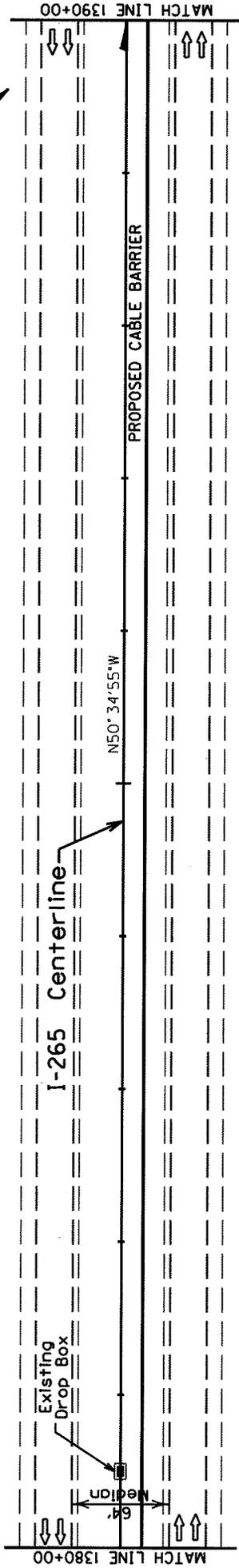
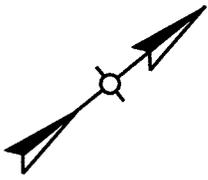
I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1360+00 TO STA. 1380+00

Scale: 1"=100'

1390+00

1385+00

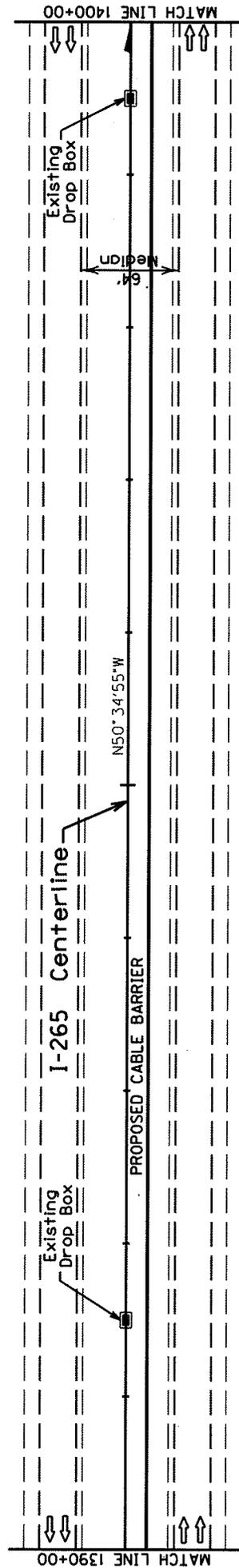
1380+00



1400+00

1395+00

1390+00



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA INC.		OR TRINITY HIGHWAY SYSTEM INC.	
WRSF	Anch.	CASS-TL4 Cable	CASS-TL3 Cable Term.
2000 Ln. ft	0 Each	2000 Ln. ft	0 Each

Sheet 44 of 60

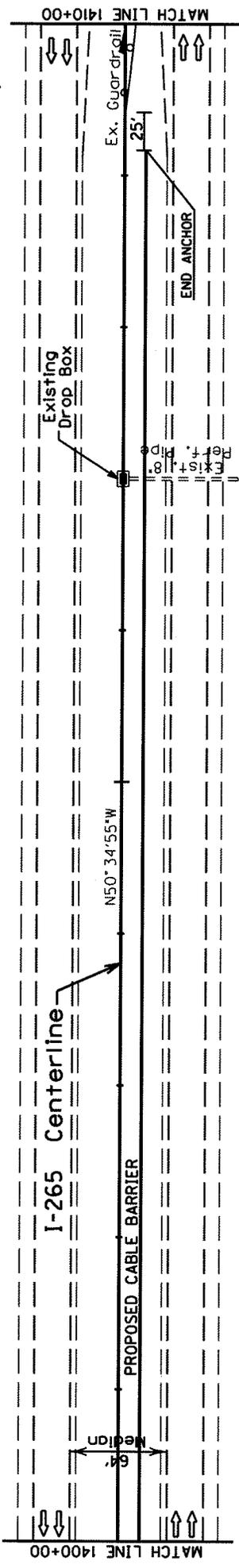
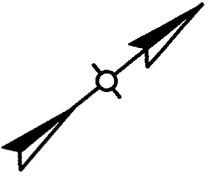
I-265 CABLE BARRIER  
ITEM NO. 5-2802.20

STA. 1380+00 TO STA. 1400+00

Scale: 1"=100'

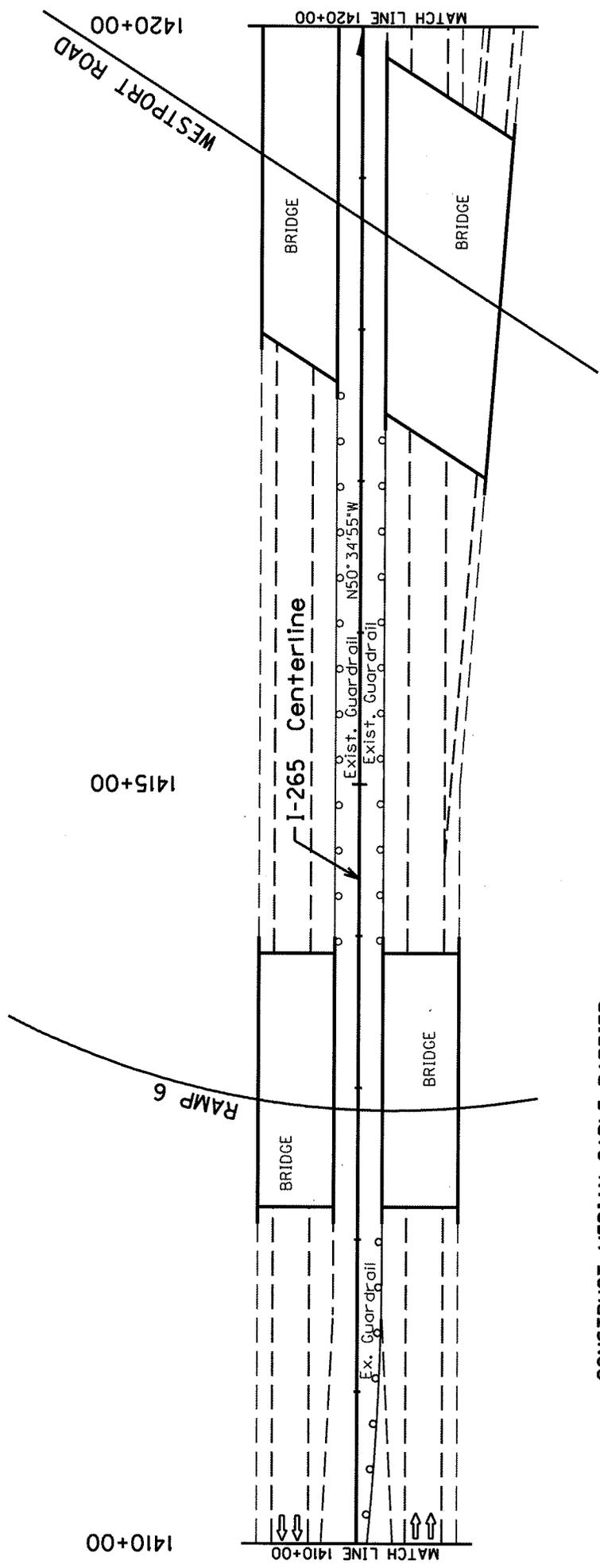
1405+00

1400+00



1415+00

1410+00



**CONSTRUCT MEDIAN CABLE BARRIER**

<b>BRIFEN • USA Inc.</b>	<b>OR TRINITY HIGHWAY SYSTEM Inc.</b>
WRSF	Anch.
891 Ln. ft	1 Each
CASS-TL4 Cable	CASS-TL3 Cable Term.
866 Ln. ft	1 Each

Sheet 45 of 60

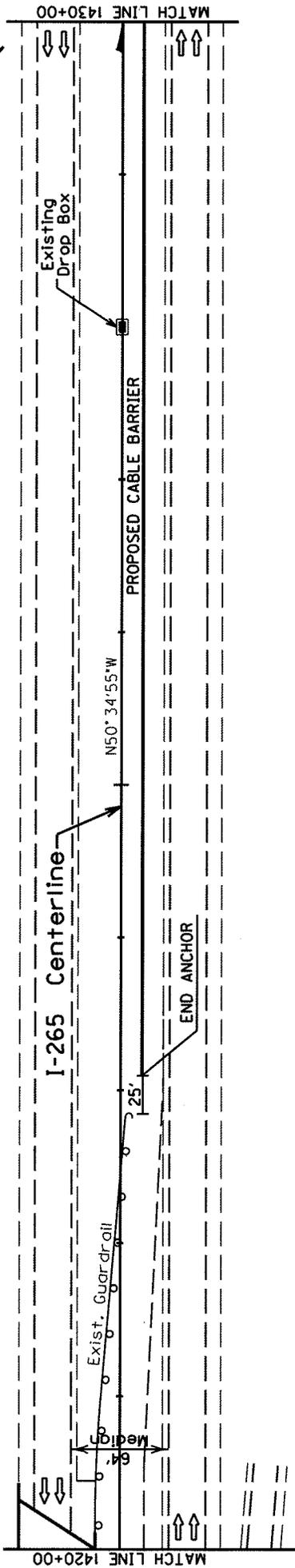
**I-265 CABLE BARRIER**  
 ITEM NO. 5-2802.20  
 STA. 1400+00 TO STA. 1420+00

Scale: 1"=100'

1430+00

1425+00

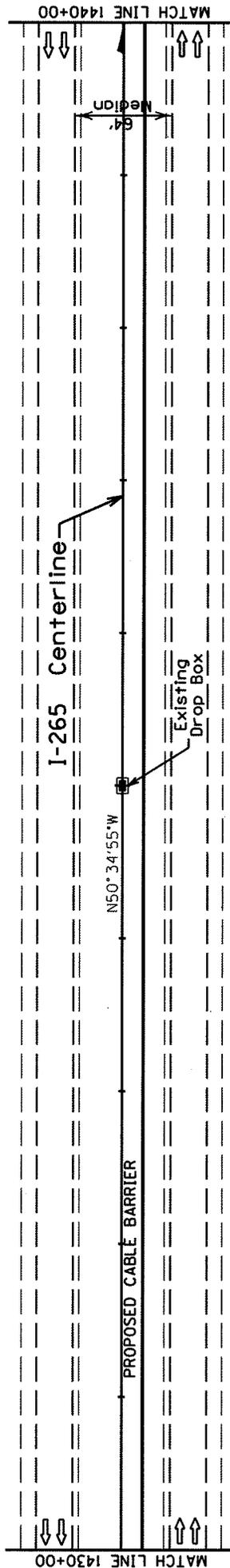
1420+00



1440+00

1435+00

1430+00



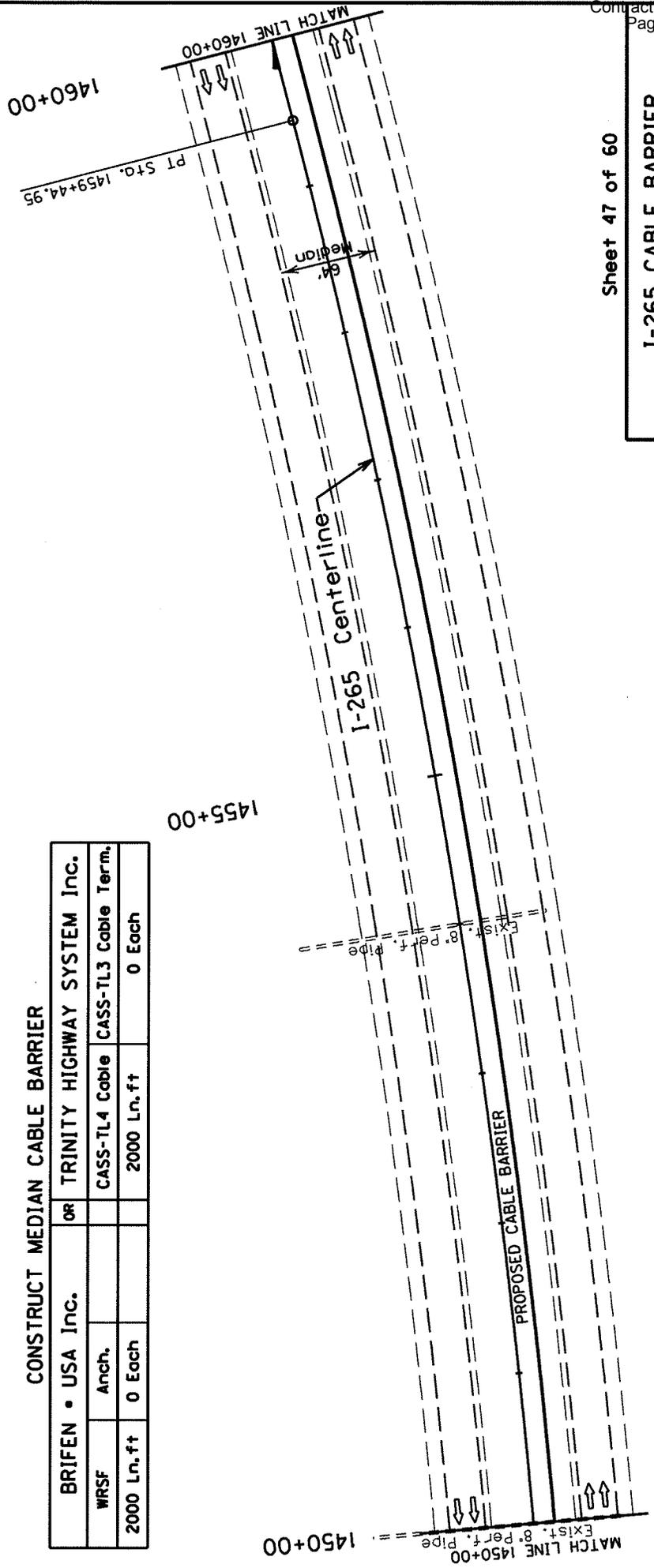
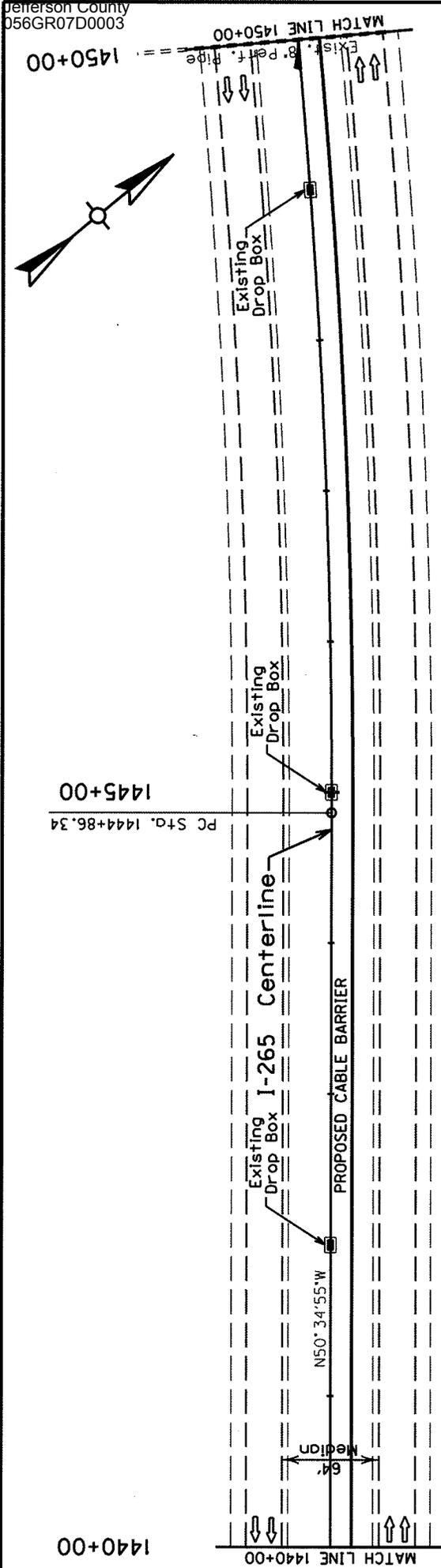
**CONSTRUCT MEDIAN CABLE BARRIER**

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable
1665 Ln. ft	1 Each	CASS-TL3 Cable Term.
		1640 Ln. ft
		1 Each

Sheet 46 of 60

I-265 CABLE BARRIER  
 ITEM NO. 5-2802.20  
 STA. 1420+00 TO STA. 1440+00

Scale: 1"=100'



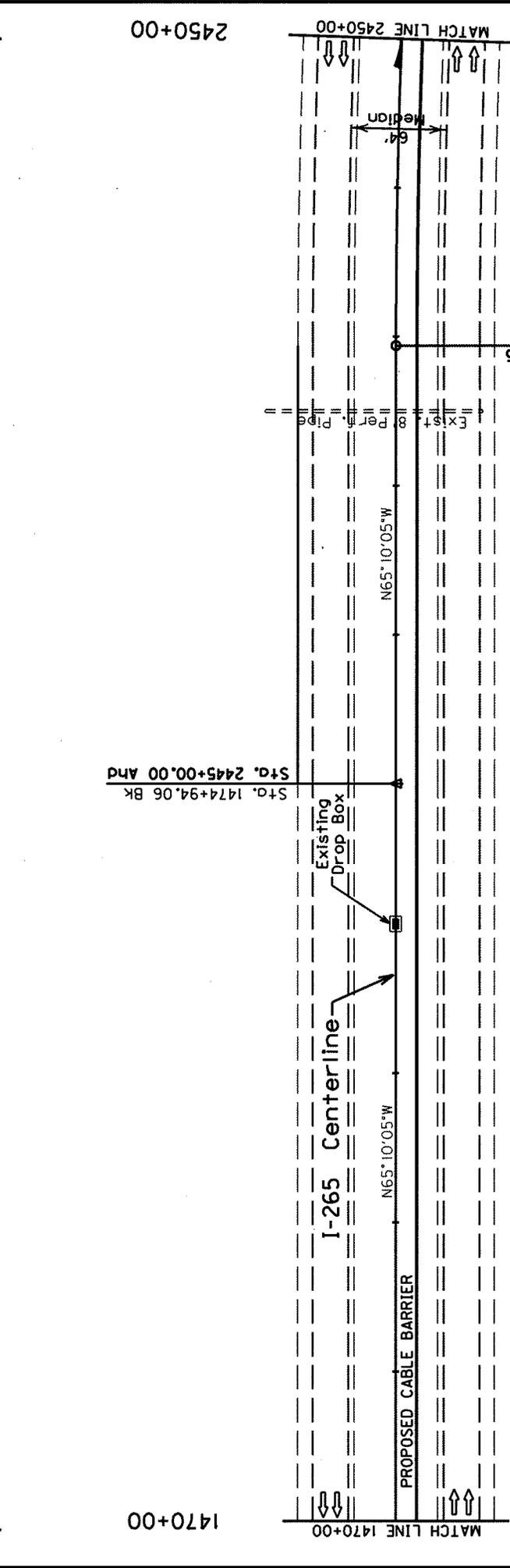
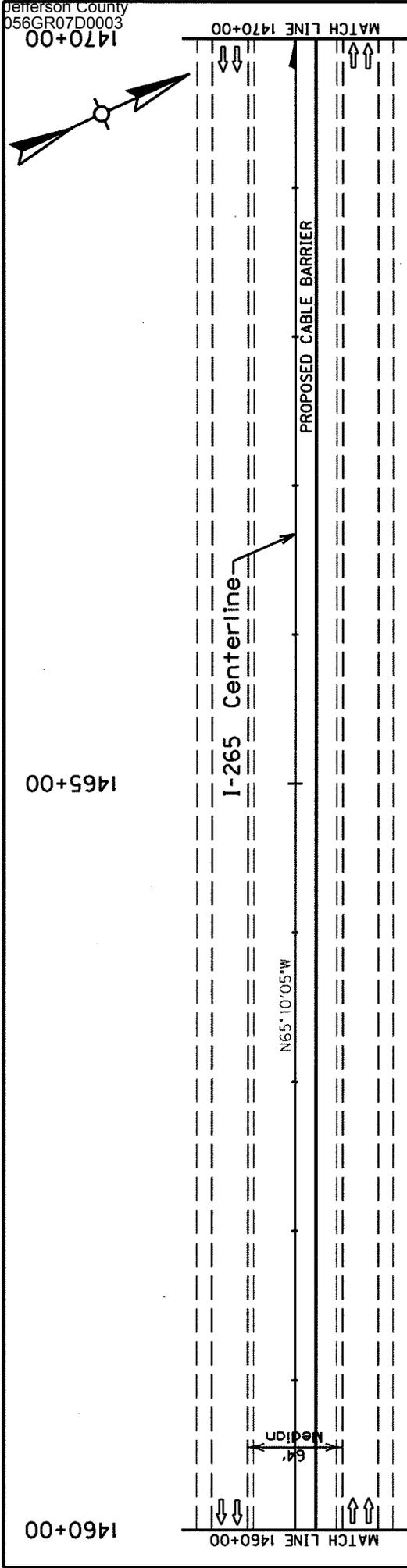
**CONSTRUCT MEDIAN CABLE BARRIER**

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.		
WRSF	Anch.	CASS-TL4 Cable	CASS-TL3 Cable Term.	
2000 Ln.ft	0 Each	2000 Ln.ft	0 Each	0 Each

Sheet 47 of 60

**I-265 CABLE BARRIER**  
ITEM NO. 5-2802.20  
STA. 1440+00 TO STA. 1460+00

Scale: 1"=100'



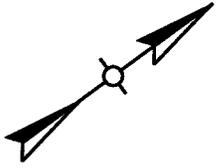
CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	or	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable
2000 Ln. ft	0 Each	CASS-TL3 Cable Term.
		2000 Ln. ft
		0 Each

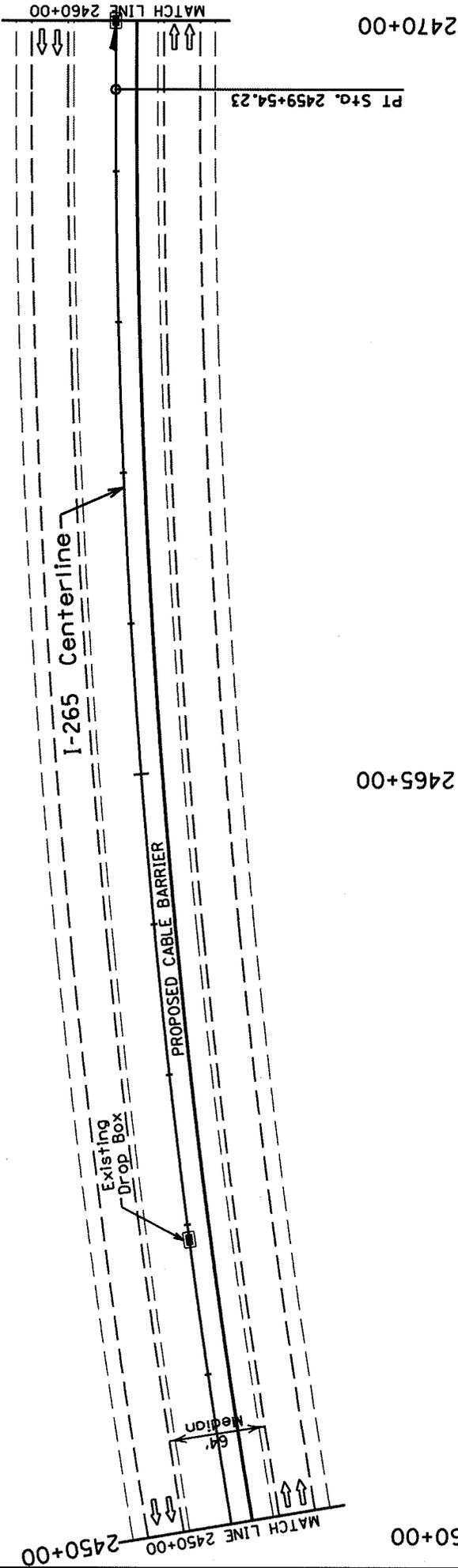
Sheet 48 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1460+00 TO STA. 2450+00

Scale: 1"=100'

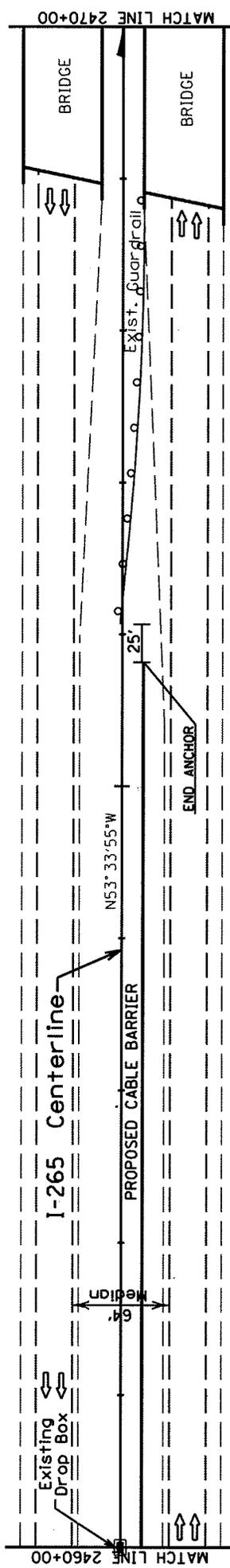


2455+00



2465+00

2460+00



KY 22

**CONSTRUCT MEDIAN CABLE BARRIER**

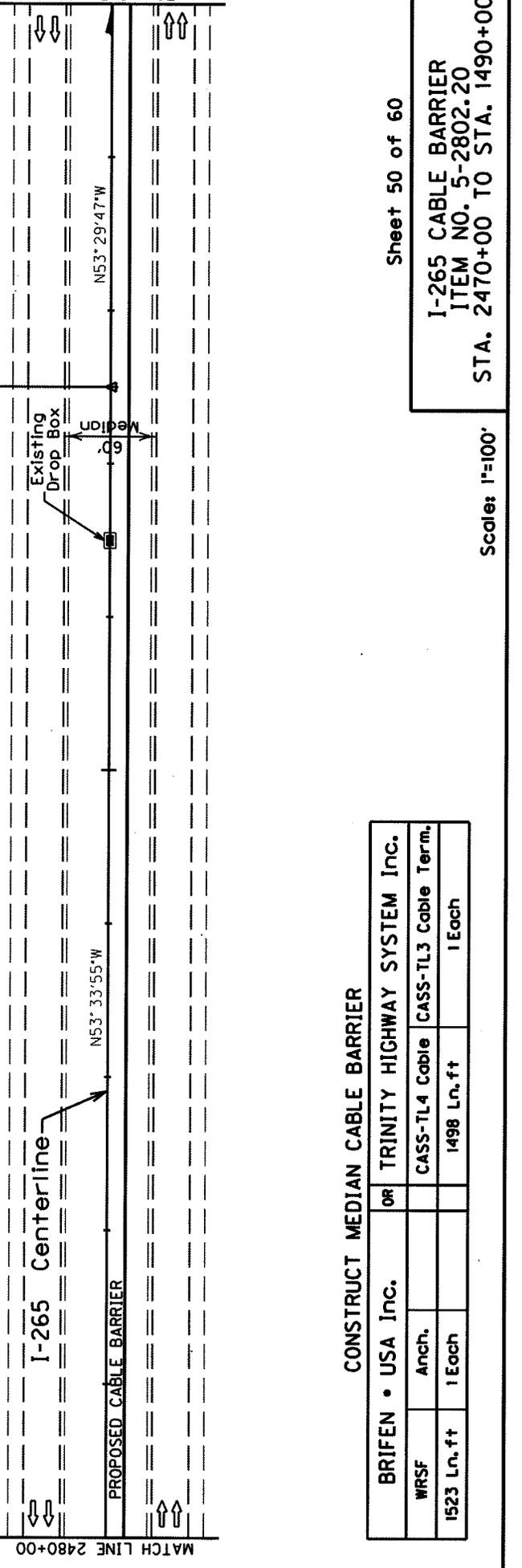
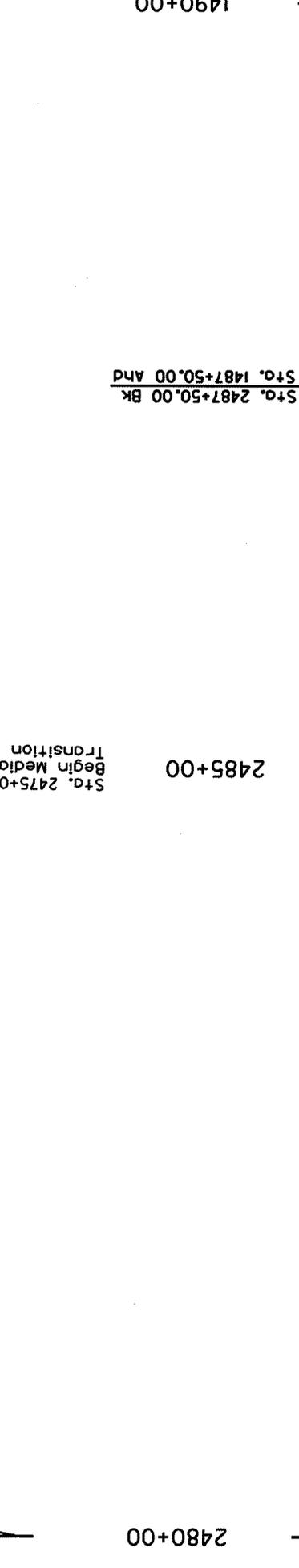
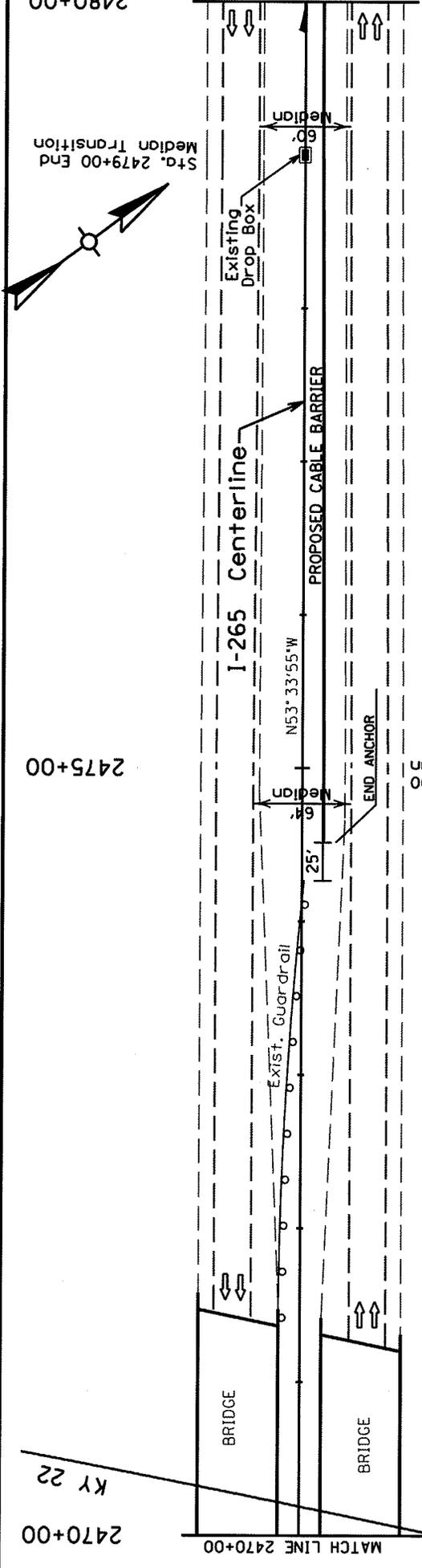
BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable
1556 Ln. ft	1 Each	CASS-TL3 Cable Term.
		1531 Ln. ft
		1 Each

Sheet 49 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20

Scale: 1"=100'

STA. 2450+00 TO STA. 2470+00



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
1523 Ln. ft	1 Each	1498 Ln. ft
		CASS-TL3 Cable Term.
		1 Each

Sheet 50 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 2470+00 TO STA. 1490+00

Scale: 1"=100'

2470+00  
KY 22

2480+00

2485+00

1490+00

Sta. 2487+50.00 Bk  
Sta. 1487+50.00 Ahd

Sta. 2479+00 End  
Median Transition

Sta. 2475+00  
Begin Median  
Transition

MATCH LINE 2470+00

MATCH LINE 2480+00

MATCH LINE 2480+00

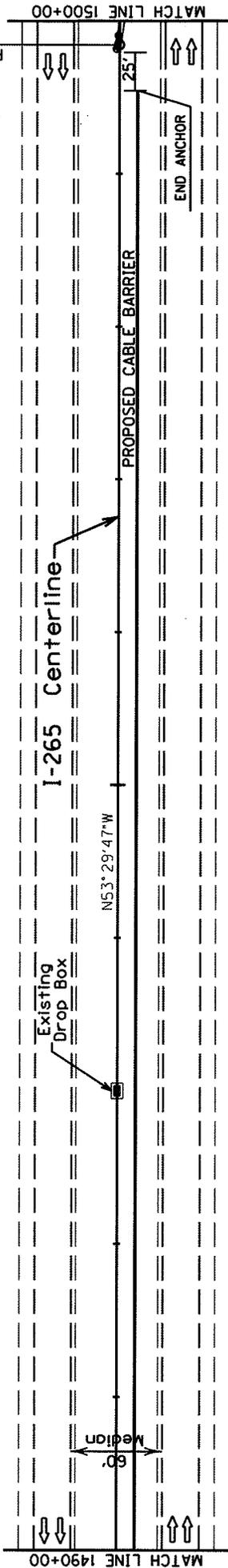
MATCH LINE 1490+00

1500+00

PC Sta. 1499+84.39

1495+00

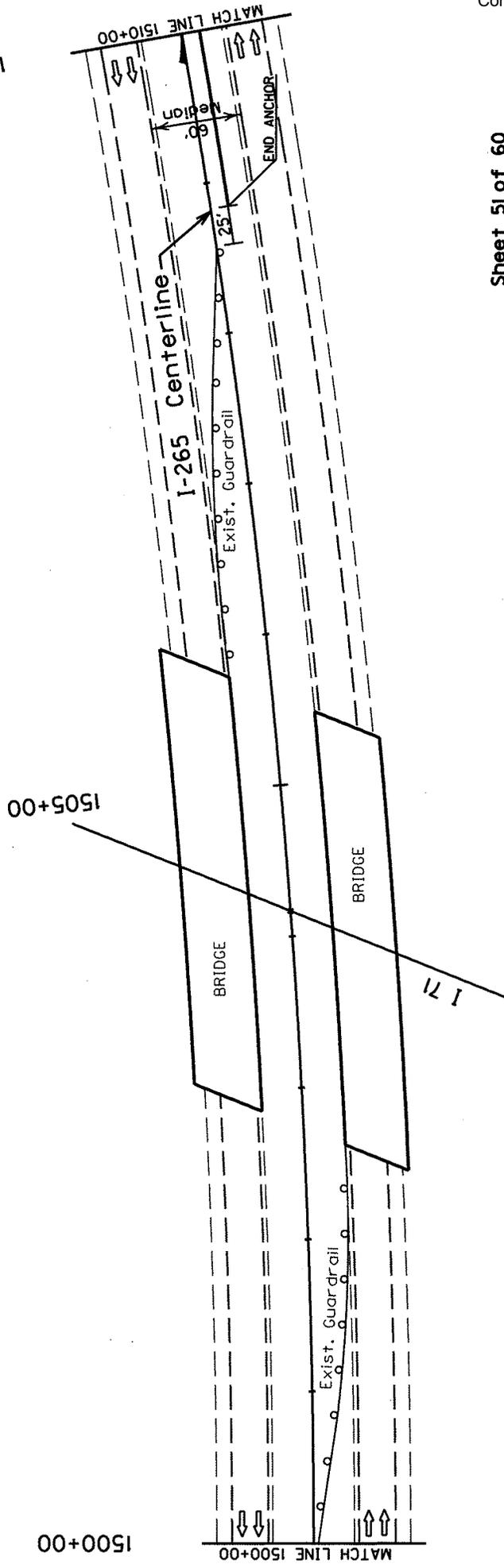
1490+00



1510+00

**CONSTRUCT MEDIAN CABLE BARRIER**

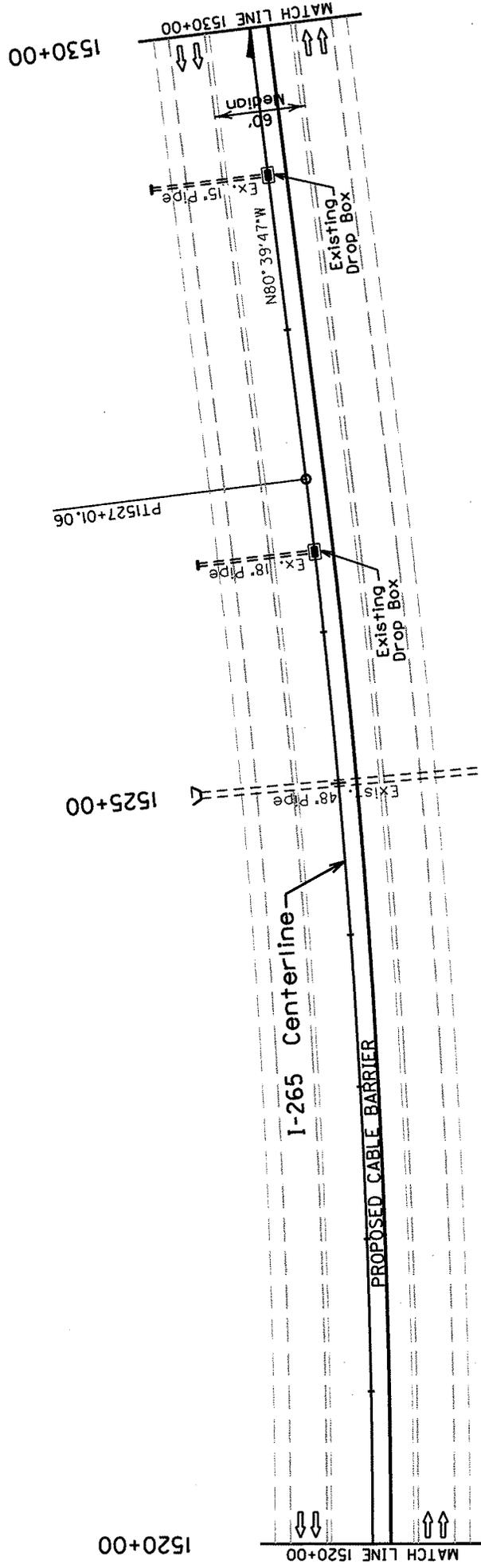
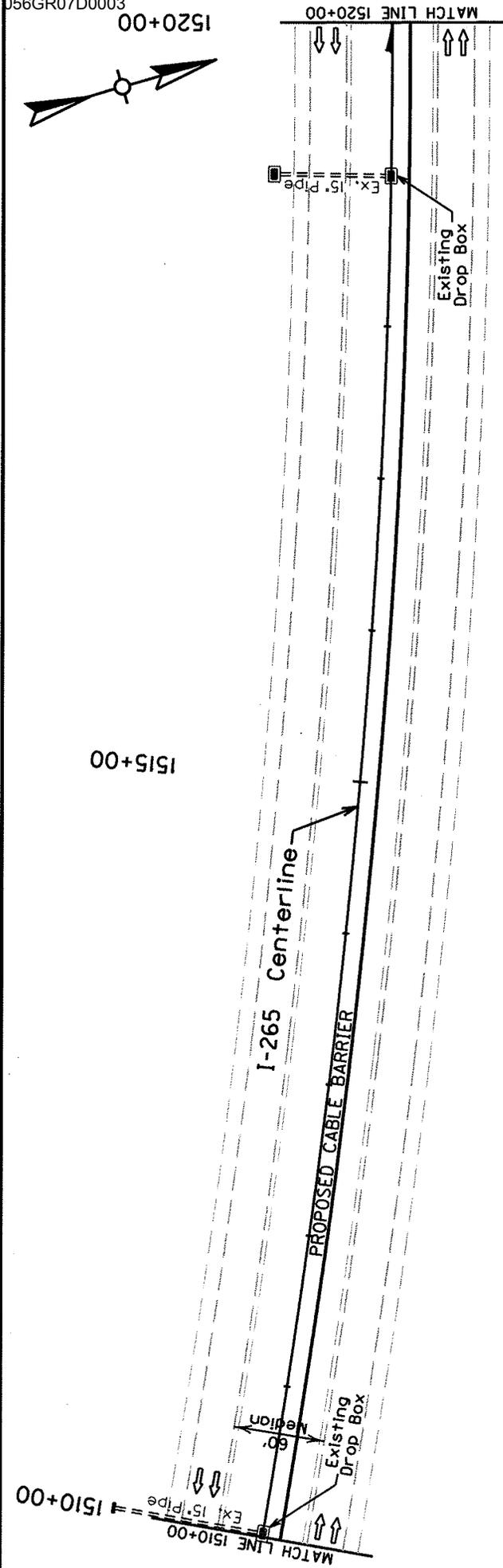
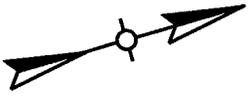
BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
1020 Ln. ft	2 Each	CASS-TL3 Cable Term.
		969 Ln. ft
		2 Each



Sheet 51 of 60

**I-265 CABLE BARRIER**  
ITEM NO. 5-2802.20  
STA. 1490+00 TO STA. 1510+00

Scale: 1"=100'



**CONSTRUCT MEDIAN CABLE BARRIER**

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable CASS-TL3 Cable Term.
2000 Ln.ft	0 Each	2000 Ln.ft 0 Each

Sheet 52 of 60

**I-265 CABLE BARRIER**  
**ITEM NO. 5-2802.20**  
**STA. 1510+00 TO STA. 1530+00**

Scale: 1"=100'

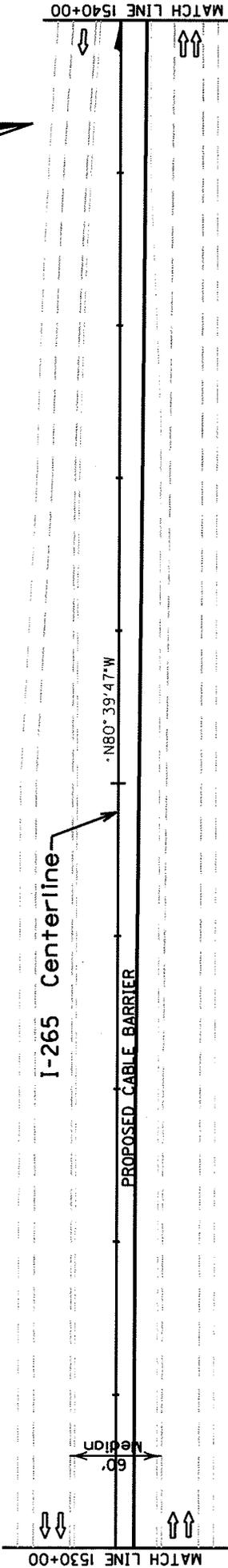
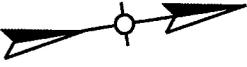
1540+00

1535+00

1530+00

MATCH LINE 1540+00

MATCH LINE 1530+00



1550+00

1545+00

1540+00

I-265 Centerline

N80° 39' 47\"/>

N80° 39' 47\"/>

END CONSTRUCTION  
CABLE MEDIAN BARRIER

PROPOSED CABLE BARRIER

Existing  
Drop Box

END ANCHOR

MATCH LINE 1540+00

CONSTRUCT MEDIAN CABLE BARRIER

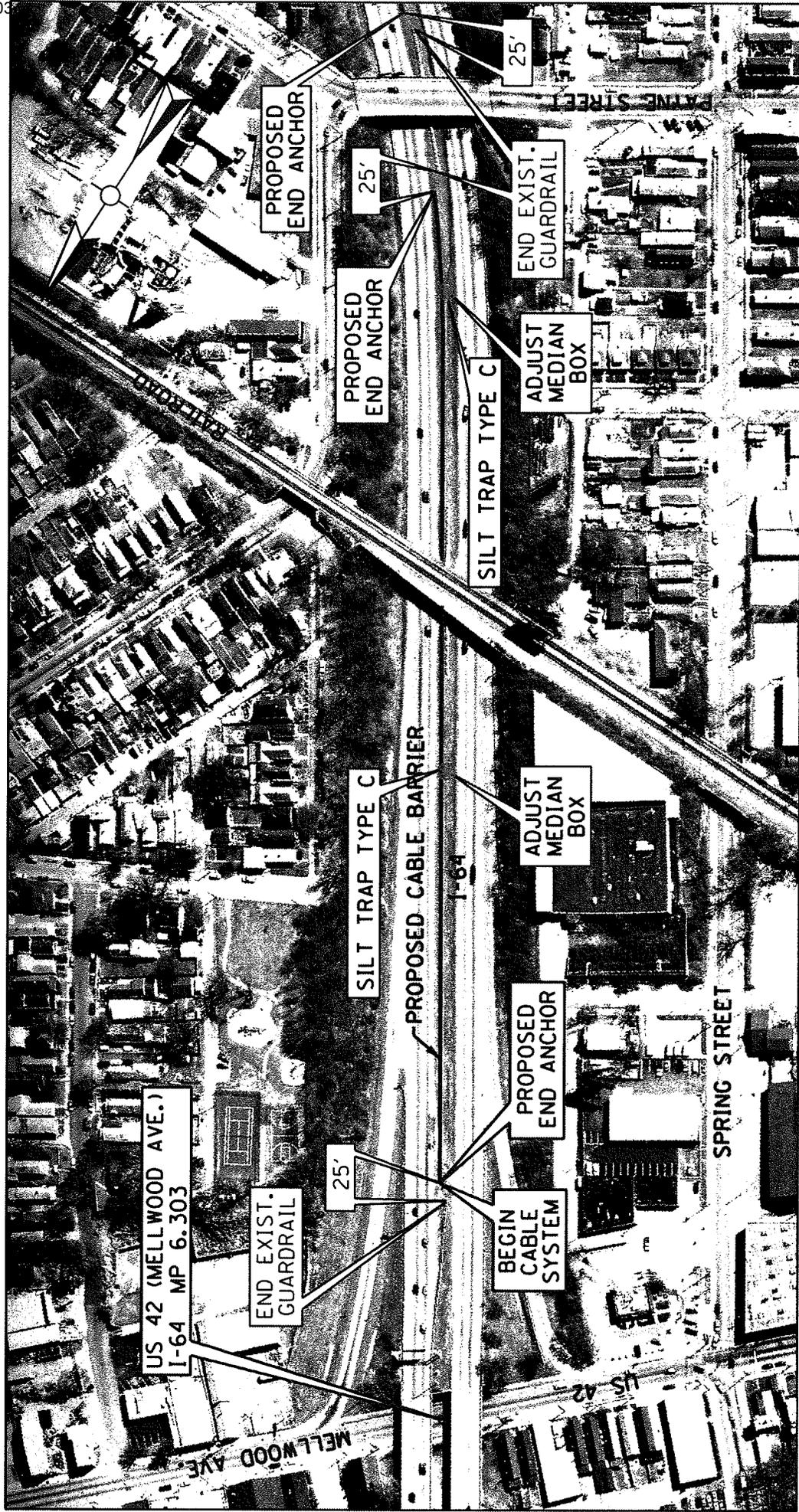
BRIFEN • USA Inc.		OR TRINITY HIGHWAY SYSTEM Inc.	
WRSF	Anch.	CASS-TL4 Cable	CASS-TL3 Cable Term.
1274 Ln. ft	1 Each	1249 Ln. ft	1 Each

Sheet 53 of 60

I-265 CABLE BARRIER  
ITEM NO. 5-2802.20  
STA. 1530+00 TO STA. 1550+00

Scale: 1"=100'

COUNTY OF	ITEM NO.
JEFFERSON	5-2802.20



ADJUST TOP OF  
 EXISTING MEDIAN BOX  
 2 EACH

CONSTRUCT MEDIAN CABLE BARRIER

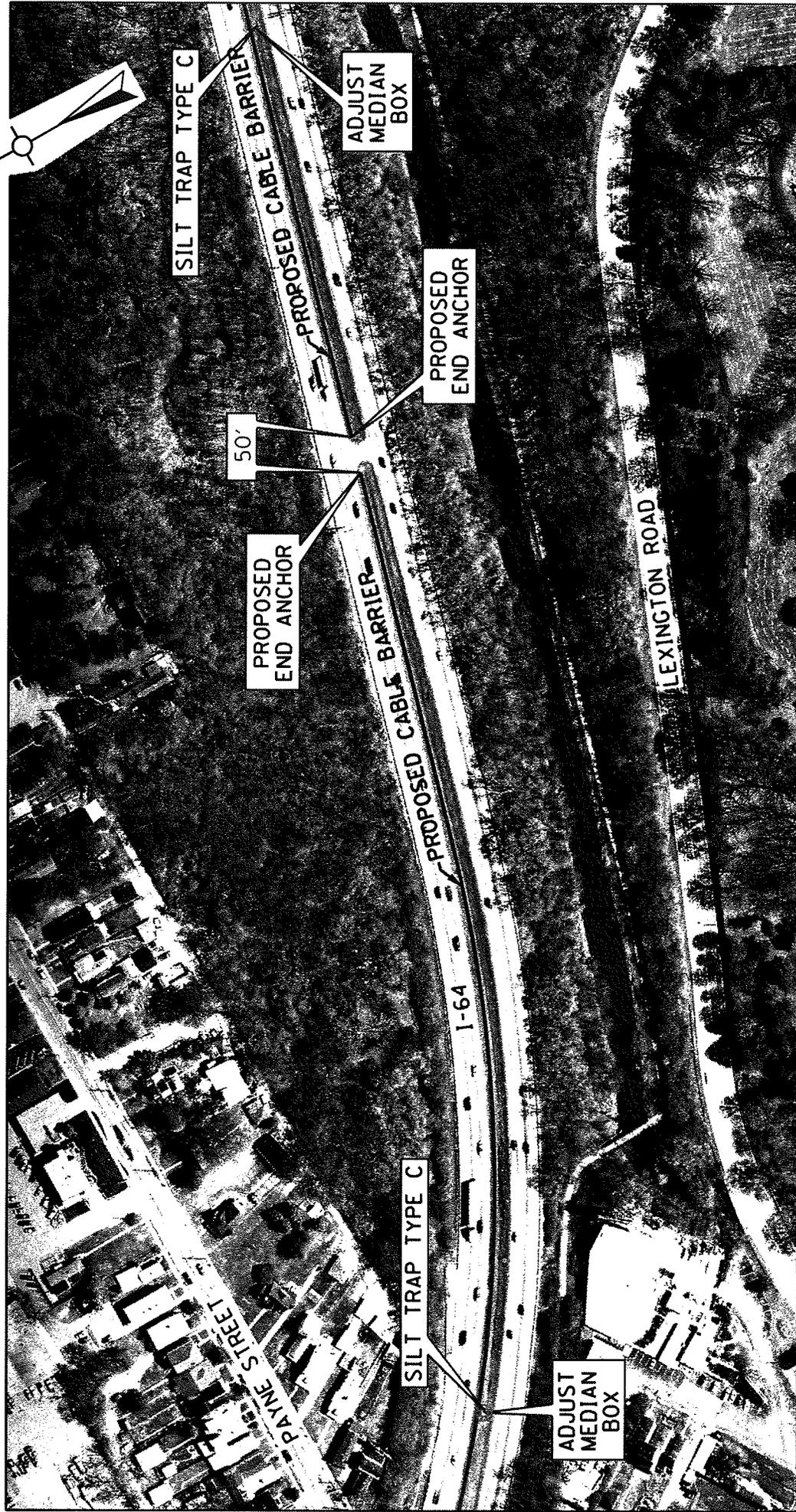
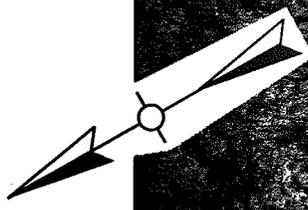
BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable
1304 Ln. ft	3 Each	1254 Ln. ft
		CASS-TL3 Cable Term.
		3 Each

PROPOSED CABLE BARRIER  
 I-64 PLAN 1

Sheet 54 of 60

Scale: 1"=200'

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-2802.20	



CONSTRUCT MEDIAN CABLE BARRIER

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable
2003 Ln. ft	2 Each	1953 Ln. ft
		2 Each

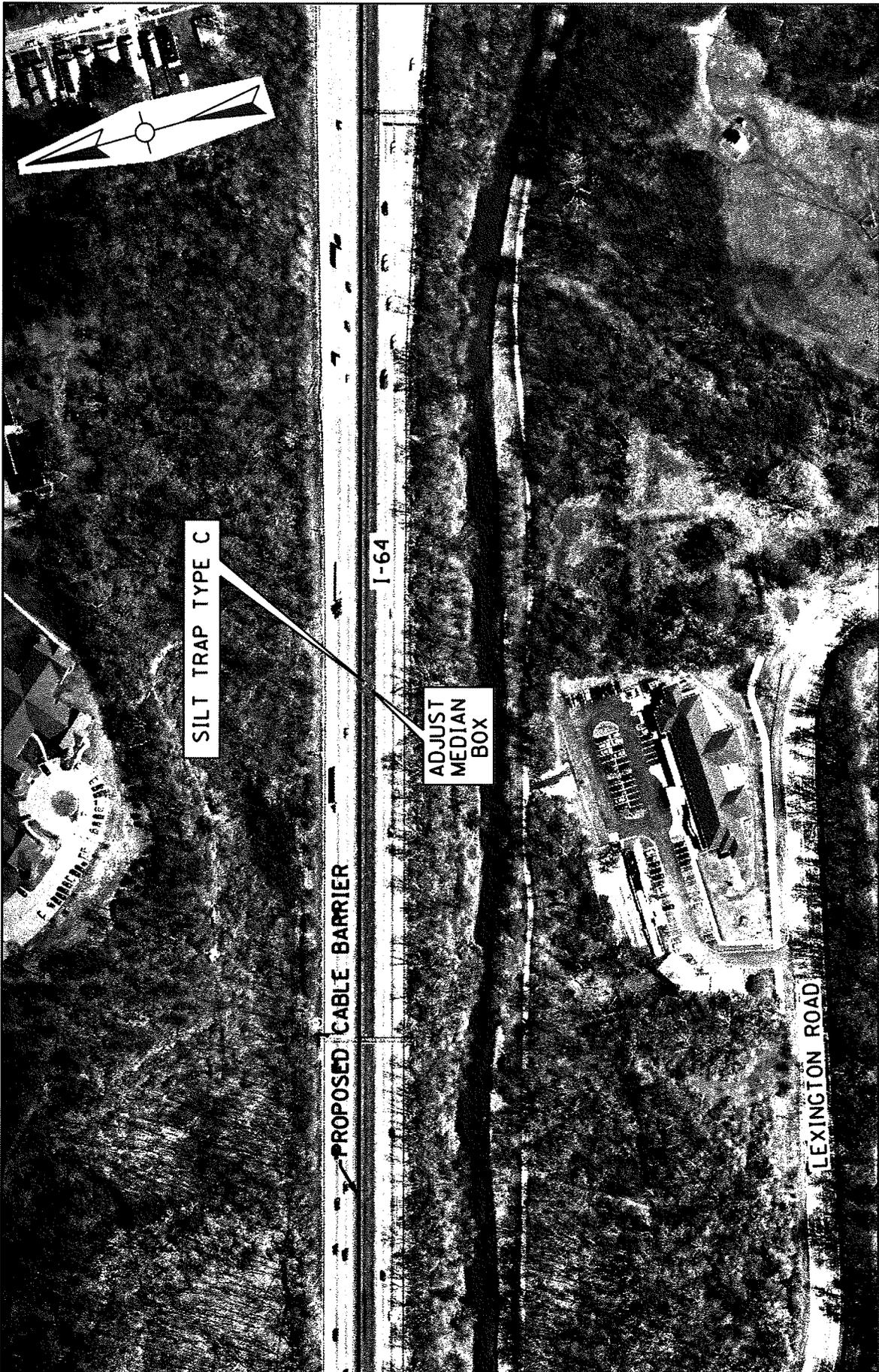
ADJUST TOP OF  
EXISTING MEDIAN BOX  
2 EACH

Sheet 55 of 60

PROPOSED CABLE BARRIER  
I-64 PLAN 2

Scale: 1"=200'

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-2802.20	



Sheet 56 of 60

**PROPOSED CABLE BARRIER  
 I-64 PLAN 3**

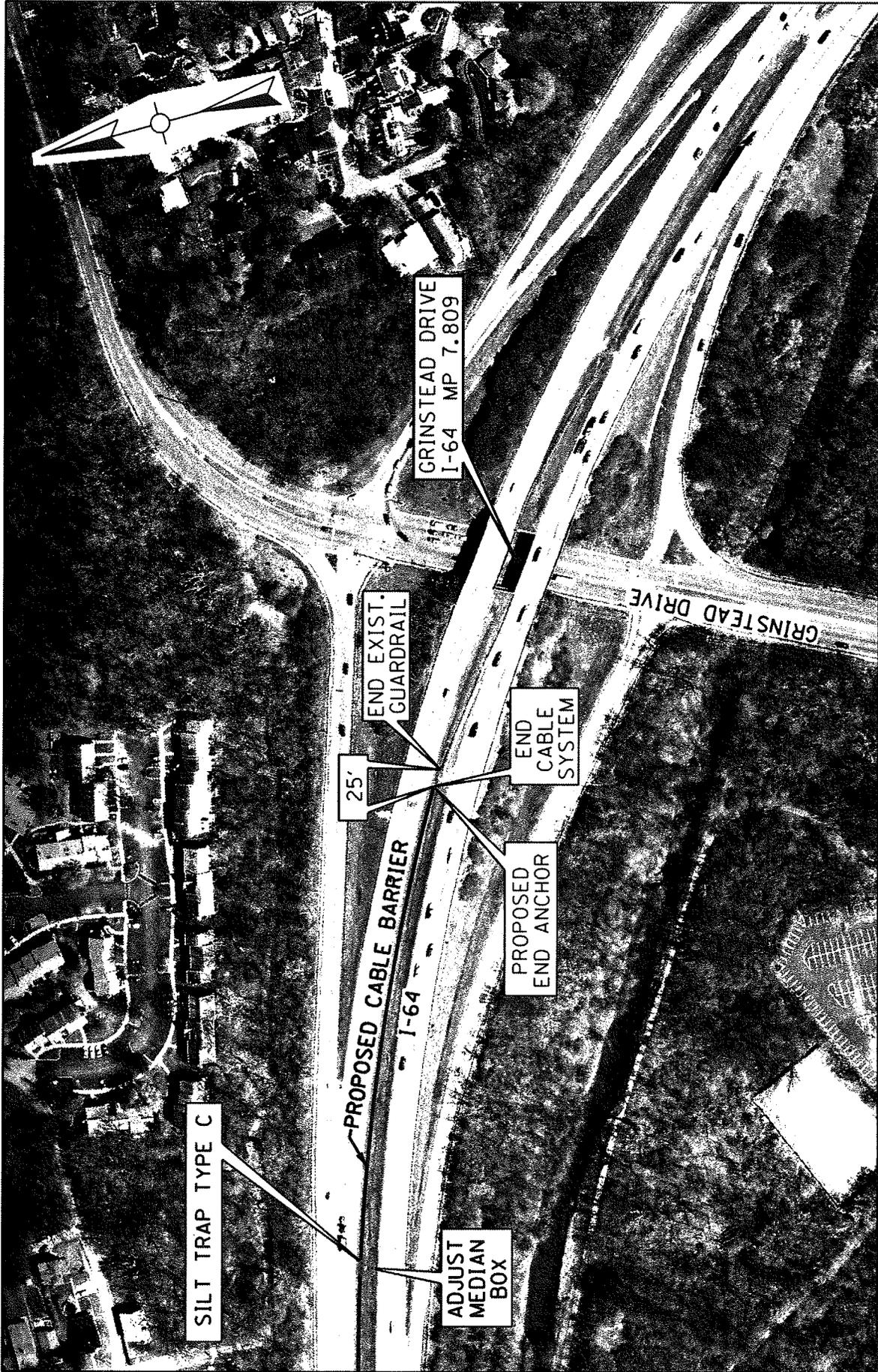
Scale: 1"=200'

ADJUST TOP OF  
 EXISTING MEDIAN BOX  
 1 EACH

**CONSTRUCT MEDIUM CABLE BARRIER**

BRIFEN • USA Inc.	OR	TRINITY HIGHWAY SYSTEM Inc.
WRSF	Anch.	CASS-TL4 Cable CASS-TL3 Cable Term.
1912 Ln. ft	0 Each	1912 Ln. ft 0 Each

COUNTY OF	ITEM NO.	SHEET NO.
JEFFERSON	5-0288.20	066GR07D0003



Sheet 57 of 60

**PROPOSED CABLE BARRIER  
 I-64 PLAN 4**

ADJUST TOP OF  
 EXISTING MEDIAN BOX  
 1 EACH

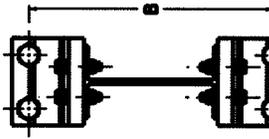
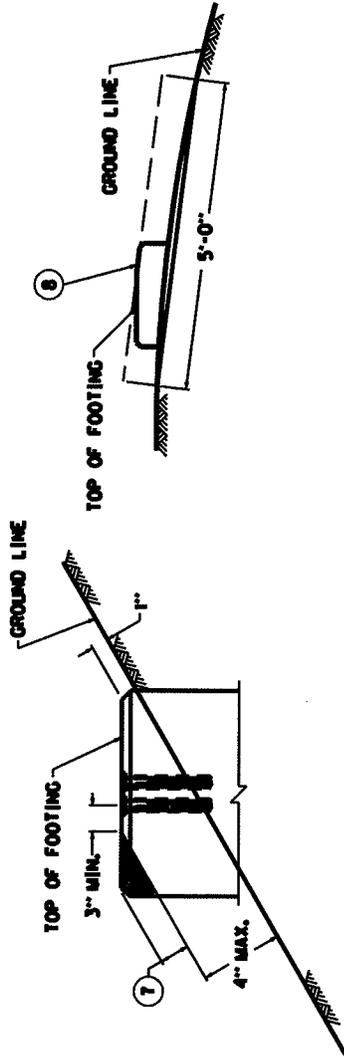
Scale: 1"=200'

**CONSTRUCT MEDIAN CABLE BARRIER**

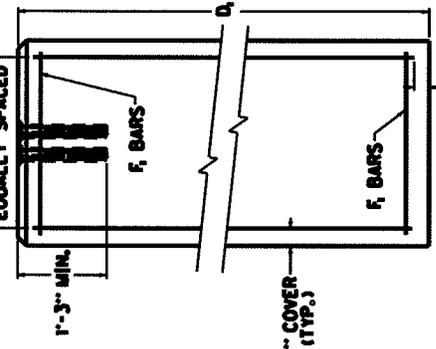
BRIFEN • USA INC.	OR	TRINITY HIGHWAY SYSTEM INC.
WRSF	Anch.	CASS-TL4 Cable CASS-TL3 Cable Term.
799 Ln. ft	1 Each	774 Ln. ft 1 Each

**FOOTING SELECTION TABLE**

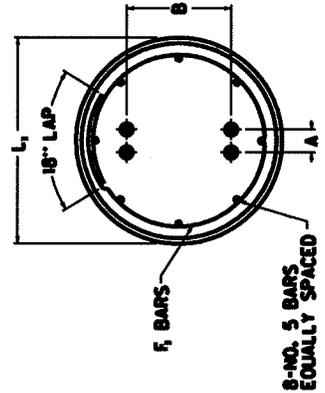
POST SIZE	L <sub>1</sub> DIA.	D, DEPTH	STEEL F. BARS QTY / SIZE	CONC. CUB. YDS.
W6	2'-0"	3'-0"	5 #4	0.59
W8	2'-6"	7'-0"	7 #4	0.88
W10	3'-0"	8'-0"	8 #4	1.27
W12	3'-0"	8'-0"	8 #4	1.09
W14	3'-0"	9'-0"	8 #4	2.09
W16	3'-6"	9'-0"	9 #4	1.24
W18	3'-6"	9'-0"	9 #4	1.33
W21	4'-0"	9'-0"	9 #4	1.43
				4.19



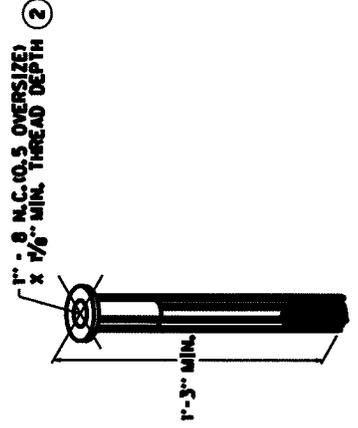
PLAN VIEW



SIDE VIEW



TOP VIEW



ANCHOR PICTORIAL VIEW

**NOTES**

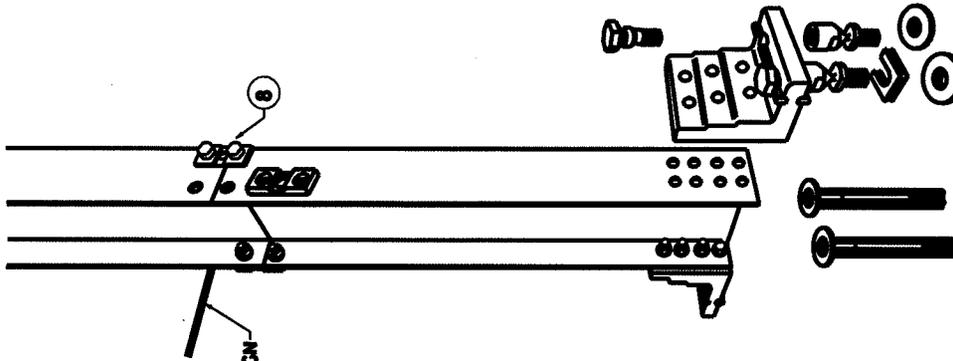
- ENTER FOOTING SELECTION TABLE WITH REQUIRED POST SIZE AND FIND REQUIRED FOOTING VALUES AS SHOWN IN DETAILS.
- THE ANCHOR SHALL BE 304 STAINLESS STEEL WITH 1053 STEEL ROD AND COIL.
- FORM TOP 1'-0" OF THE FOOTING.
- USE CLASS "A" CONCRETE IN ALL FOOTINGS.
- ACTUAL DIMENSIONS "A" & "B" SHOULD BE OBTAINED FROM THE MANUFACTURER OR MEASURED FROM THE ASSEMBLED BRACKETS PRIOR TO PLACEMENT OF ANCHORS.
- TO INSURE PROPER SPACING AND ALIGNMENT OF ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
- FOOTING PROJECTIONS ABOVE GROUND LINE SHALL BE MINIMIZED. THE MAXIMUM PERMISSIBLE FOOTING PROJECTION SHALL BE 4" ON THE LOWER SLOPE SIDE. WHERE NECESSARY, THE SHADED AREA OF THE FOOTING SHALL BE REMOVED AND REINFORCEMENT SHALL BE BENT TO FIT.
- THE TOP OF THE FOOTING SHALL NOT PROJECT MORE THAN 4" ABOVE ANY 5'-0" CHORD ALIGNED PERPENDICULAR TO THE EDGE OF THE ROADWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.

KENTUCKY  
DEPARTMENT OF HIGHWAYS  
**FOOTING DETAILS  
FOR  
TYPE C BEAM**

PROPOSAL BY  
**KENTUCKY  
TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS**

**PROPOSED MEDIAN BARRIER**

I-265 & I-64 ROUTE NAME:	13.705 MILES LENGTH OF PROJECT:
JEFFERSON COUNTY OF:	KENTUCKY STATE OF:
6,303 to 7,809 23,101 to 35,300 MILE POINT:	5-2802.20 ITEM NO.:
	58 of 60 SHEET NO.



PICTORIAL VIEW

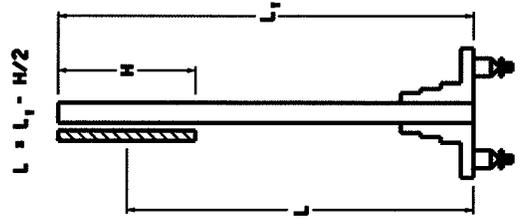
KENTUCKY  
DEPARTMENT OF HIGHWAYS  
BREAKAWAY SIGN  
SUPPORT SYSTEM  
FOR TYPE C BEAM

6-5-2008  
KENTUCKY DEPARTMENT OF HIGHWAYS

- NOTES**
- BREAKAWAY SIGN SUPPORT SYSTEM FOR TYPE C BEAM SHALL BE SELECTED FROM THE KENTUCKY DEPARTMENT OF HIGHWAYS APPROVED LIST FOR BREAKAWAY SIGN SUPPORT SYSTEMS OR AN APPROVED EQUAL. ACCEPTABLE ALTERNATE BREAKAWAY SIGN SUPPORT SYSTEMS SHALL BE APPROVED BY THE DIVISION OF HIGHWAY DESIGN AND FHWA PRIOR TO INSTALLATION.
  - SELECTION OF THE PROPER BRACKET NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
  - ALL HARDWARE ITEMS SUPPLIED ARE AMERICAN STANDARD SIZES AND SHALL BE GALVANIZED AND CONFORM TO ASTM A153 OR ASTM B695.
  - FASTENERS, EXCEPT FOR SPECIAL BOLT AND COUPLINGS, ARE INSTALLED WITH LOCKWASHERS, AND DO NOT HAVE SPECIFIC TORQUE REQUIREMENTS. FASTENERS SHALL BE SECURED AS TIGHT AS POSSIBLE WITH CONVENTIONAL WRENCHES, UNLESS NOTED OTHERWISE.
  - SQUARE UP AND LEVEL INDIVIDUAL COMPONENTS, PARTICULARLY ANCHORS TO MINIMIZE THE NEED FOR SHIMMING BETWEEN THE COUPLINGS AND ANCHORS.
  - NO MORE THAN TWO SHIMS SHALL BE PLACED UNDER ANY ONE COUPLING.
  - NO MORE THAN THREE SHIMS UNDERNEATH ANY PAIR OF COUPLINGS.
  - THE CONTRACTOR SHALL FURNISH TWO (2) COMPLETE SETS OF SHOP PLANS FOR APPROVAL BY THE ENGINEER A MINIMUM OF TWO WEEKS PRIOR TO INSTALLATION.
  - THE HINGE SHOULD BE AT LEAST 7'-0" ABOVE THE GROUND.
  - A SINGLE POST IF 7'-0" OR MORE FROM ANOTHER POST, SHALL HAVE A WEIGHT LESS THAN 45 LB./FT. TOTAL WEIGHT BELOW THE HINGE, BUT ABOVE THE SHEAR PLATE OF THE BREAKAWAY BASE, SHOULD NOT EXCEED 600 LB.
  - FOR TWO POSTS SPACED LESS THAN 7'-0" APART, EACH POST SHOULD HAVE A WEIGHT LESS THAN 18 LB./FT. COUPLINGS SHALL NOT BE USED IN SIGN STRUCTURES WITH THREE SUPPORTS OR MORE IF POSTS ARE CLOSER THAN 7'-0" APART.
  - REFER TO DETAIL SHEET "FOOTING DETAILS FOR TYPE C BEAM" FOR FOOTER DETAILS.

BRACKET SELECTION TABLE

I-BEAM POST SIZE	BRACKET NO. 1		BRACKET NO. 2		BRACKET NO. 3	
	MIN. "L"	MAX. "L"	MIN. "L"	MAX. "L"	MIN. "L"	MAX. "L"
6"	12'-0"	29'-0"	9'-0"	12'-0"	0	9'-0"
8"	14'-0"	29'-0"	10'-0"	14'-0"	0	10'-0"
10"	16'-0"	29'-0"	11'-0"	16'-0"	0	11'-0"
12"	18'-0"	29'-0"	13'-0"	18'-0"	0	13'-0"
14"	19'-0"	29'-0"	14'-0"	19'-0"	0	14'-0"
16"	21'-0"	29'-0"	15'-0"	21'-0"	0	15'-0"
18"	23'-0"	29'-0"	16'-0"	23'-0"	0	16'-0"
21"	25'-0"	29'-0"	18'-0"	25'-0"	0	18'-0"

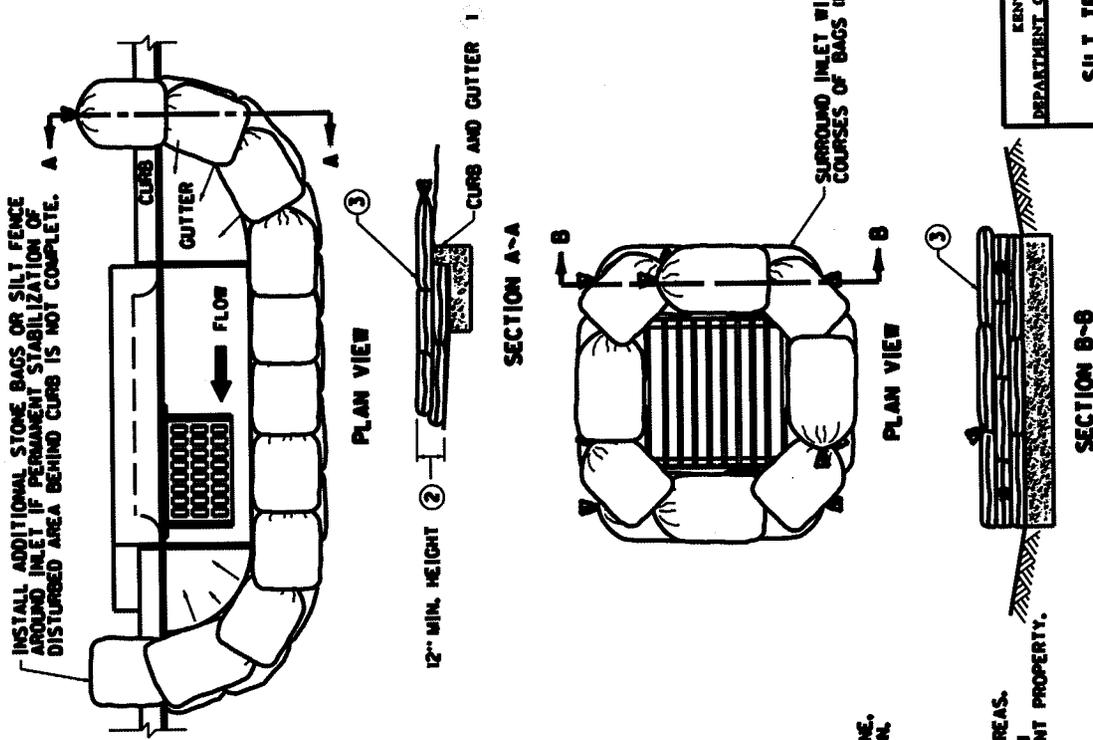


ELEVATION VIEW

PROPOSAL BY  
**KENTUCKY**  
TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS

PROPOSED MEDIAN BARRIER

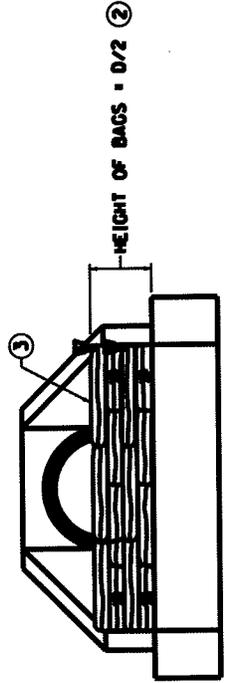
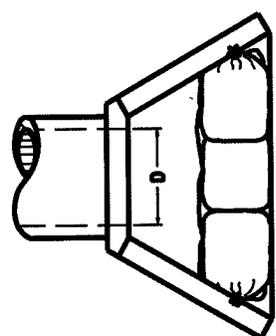
1-265 & 1-64 ROUTE NAME:	13.705 MILES LENGTH OF PROJECT:
JEFFERSON COUNTY OF:	KENTUCKY STATE OF:
6.303 to 7.809 23.101 to 35.300 MILE POINT:	5-2802.20 ITEM NO.:
	59 of 60 SHEET NO.



KENTUCKY  
DEPARTMENT OF HIGHWAYS

SILT TRAP TYPE C

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_



~NOTES~

1. SILT TRAP TYPE C SHALL INCLUDE GEOTEXTILE FABRIC BAGS, NO. 57 STONE, LABOR AND ALL INCIDENTALS NECESSARY FOR ONE COMPLETE INSTALLATION.
2. BID ITEM AND UNIT TO BID:
3. INTERWEAVE BAG ENDS TO FILL GAPS BETWEEN BAGS.
4. CONSTRUCT 18" x 30" BAGS OF NON-WOVEN TYPE II GEOTEXTILE FABRIC CONFORMING TO SECTION 843 OF THE STANDARD SPECIFICATIONS. DOUBLE STITCH BAG SEAMS WITH 1 LB. POLYESTER THREAD. ATTACH ONE ID TIE STRING TO EACH BAG. BAG OPENING SHALL BE ON 18" SIDE.
5. FILL BAGS WITH NO. 57 STONE BETWEEN 1/2 TO 2/3 FULL (50 LB TO 60 LB).
6. SILT TRAP TYPE C SHALL NOT BE USED IN BLUE LINE STREAMS.

CODE	PAY ITEM	PAY UNIT
2049NS943	SILT TRAP TYPE C	EACH
2049TS943	CLEAN SILT TRAP TYPE C	EACH

PROPOSAL BY

KENTUCKY  
TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS

PROPOSED MEDIAN BARRIER

1-265 & 1-64 ROUTE NAME:	13.705 MILES LENGTH OF PROJECT:
JEFFERSON COUNTY OF:	KENTUCKY STATE OF:
6.303 to 7.809 23.101 to 35.300 MILE POINT:	5-2802.20 ITEM NO.:
	60 of 60 SHEET NO.

### **SPECIAL NOTE FOR PROJECT IDENTIFICATION SIGNS**

When directed by the Engineer, install Project Identification Signs furnished by the Department at each end of the project. The signs furnished by the Department will be approximately 44" X 72" or 72" X 120" aluminum sign blanks with standard color reflective sheeting with the applicable county and project names affixed. The Engineer will determine the size and location of the signs, if any, to be used on the project(s) at the time of construction.

Pick up the signs to be furnished by the Department at the District Traffic Operations Facility. Furnish posts and hardware for mounting the signs. Install the signs at locations determined by the Engineer. Maintain the signs during the duration of the project. Upon completion of the work, remove the signs and return them to District Traffic Operations Facility. Retain possession of the posts and hardware.

The Department will measure installation of the Project Identification Signs in individual units, Each. Payment at the contract unit price Each shall be full compensation for all labor, materials, equipment, and incidentals required for picking up, installing, maintaining, and returning the project identification signs furnished by the Department.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
20588NC	Install Project Identification Signs	Each

## Right-of-Way Certification Form

**Federal Funded**

**State Funded**

This form must be completed and submitted to FHWA with the PS&E package for federal-aid funded Interstate, Appalachia, and Mega projects. This form shall also be submitted to FHWA for all federal-aid projects that fall under conditions No. 2 & 3 outlined elsewhere in this form. For all other federal-aid projects, this form shall be completed and retained in the KYTC project file.

Date: June 18, 2007

Project : I-265 MEDIAN BARRIER FROM KY 155  
TAYLORSVILLE RD TO I-71

County: JEFFERSON

Item #: 5-2802.20

Federal #: \_\_\_\_\_

Letting Date: August 24, 2007

### Projects that require NO new or additional right-of-way acquisitions and/or relocations

The proposed transportation improvement will be built within the existing rights-of-way and there are no properties to be acquired, individuals and families ("relocatees") to be relocated, or improvements to be removed as a part of this project.

### Projects that require new or additional right-of-way acquisitions and/or relocations

Per 23 CFR 635.309, the KYTC hereby certify that all relocatees have been relocated to decent, safe, and sanitary housing or that KYTC has made available to relocatees adequate replacement housing in accordance with the provisions of the current FHWA directive(s) covering the administration of the Highway Relocation Assistance Program and that at least one of the following three conditions has been met. **(Check those that apply.)**

1. All necessary rights-of-way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish these improvements and enter on all land. **Fair market value has been paid or deposited with the court.**

2. Although all necessary rights-of-way have not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Trial or appeal of some parcels may be pending in court and on other parcels full legal possession has not been obtained, but an Interlocutory Judgment has been granted, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish these improvements. **Fair market value has been paid or deposited with the court for most parcels. Fair market value for all pending parcels will be paid or deposited with the court prior to start of construction. (See note.)**

**Note:** The KYTC shall re-submit a right-of-way certification form for this project prior to the start of construction, verifying that fair market value for all parcels has been paid or deposited with the court.

## Right-of-Way Certification Form



3. The acquisition or right of occupancy and use of a **few** remaining parcels are not complete and/or some parcels still have occupants. However, all remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. The KYTC is hereby requesting authorization to advertise this project for bids and to proceed with physical construction even though the necessary rights-of-way will not be fully acquired, and/or some occupants will not be relocated, and/or the fair market value will not be paid or deposited with the court for some parcels at the start of construction. KYTC will fully meet all the requirements outlined in 23 CFR 309(c) (3) and 49 CFR 102(j) and will expedite completion of all acquisitions, relocations, and full payments after construction starts. A full explanation and reason for this request, including identification of each such parcel and dates on which acquisitions, payments, and relocations will be completed, is attached to this certification form for FHWA consideration and approval. **(See note.)**

**Note: The KYTC may request authorization on this basis only in unique and unusual circumstances.** Proceeding to construction of projects on this basis shall be the exception and never become the rule. In all FHWA-approved cases, the KYTC shall make extraordinary efforts to expedite completion of the acquisition, payment for all affected parcels, and the relocation of all relocatees promptly 30 days after start of construction.

Approved: Glenda Luster \_\_\_\_\_ June 18, 2007 \_\_\_\_\_ District ROW Supervisor  
Printed Name Approved

Approved: Elsworth Turner \_\_\_\_\_ 06-20-07 \_\_\_\_\_ Director of ROW & Utilities or Designee  
Printed Name Approved

Approved: Olivia Michael \_\_\_\_\_ 06-20-07 \_\_\_\_\_ FHWA, Right-of-Way Officer  
Printed Name Approved

## Right-of-Way Certification Form

Date: June 18, 2007

Project #: I-265 MEDIAN BARRIER FROM KY 155  
TAYLORSVILLE RD TO I-71

County: JEFFERSON

Item #: 5-2802.20

Federal #: \_\_\_\_\_

Letting Date: August 24, 2007

This project has \_\_\_\_\_ total number of parcels to be acquired, and \_\_\_\_\_ total number of individual or families to be relocated, as well as \_\_\_\_\_ total number of businesses to be relocated.

- \_\_\_\_\_ Parcels were acquired by a signed fee simple deed and fair market value has been paid
- \_\_\_\_\_ Parcels have been acquired through condemnation and IOJ granted by the court and fair market value has been deposited with the court
- \_\_\_\_\_ Parcels have not been acquired at this time (*explain below for each parcel*)
- \_\_\_\_\_ Parcels have been acquired but fair market value has not been paid or has not been deposited with the court (*explain below for each parcel*)(**used on Type 3 only**)
- \_\_\_\_\_ Some displacees have not been relocated from all parcels: (*explain below for each parcel*)(**notes to plans may be required**)

Parcel #	Name/Station	Explanation for delayed acquisition, delayed relocation, or delayed payment of fair market value	Proposed date of payment or of relocation

There are \_\_\_\_\_ billboards and/or \_\_\_\_\_ cemeteries involved on this project.  
 There are \_\_\_\_\_ water or monitoring wells on parcels \_\_\_\_\_ and \_\_\_\_\_. All have been acquired and are the responsibility of the project contractor to close/cap.

**KENTUCKY TRANSPORTATION CABINET  
COMMUNICATING ALL PROMISES (CAP)**

<b>Item No.</b>	5 - 2802.2			<b>Project Mgr.</b>	
			<b>County</b>	JEFFERSON	<b>Route</b> I-265
<b>CAP #</b>	<b>Date of Promise</b>	<b>Promise made to:</b>	<b>Location of Promise</b>		
1	21-JUN-07		I-265 BARRIER & I-64 BARRIER		
<b>CAP Description</b>					
PLAN AND GEOTECH SENT TO BRIFEN AND TRINITY FOR DESIGN OF ANCHORS					

MATERIAL SUMMARY

CONTRACT ID: 071044

IM 64-2 (166) PES NO: DE05600640752  
I-64 INSTALL MEDIAN CABLE BARRIER SYSTEM FROM MELLWOOD AVENUE MP 6.303 TO GRINSTEAD  
DRIVE MP 7.809 , A DISTANCE OF 1.50 MILES.

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0010	00001	D G A BASE	631.00	TON
0020	00100	ASPHALT SEAL AGGREGATE	55.00	TON
0030	00291	EMULSIFIED ASPHALT RS-2	7.00	TON
0040	02010	ADJUST MEDIAN BOX	6.00	EACH
0050	02562	SIGNS	500.00	SQFT
0060	02570	PROJECT CPM SCHEDULE 64	1.00	LS
0070	02650	MAINTAIN & CONTROL TRAFFIC 64	1.00	LS
0080	02671	VAR MESSAGE SIGN-PORT 3 LINE	2.00	EACH
0090	02775	FLASHING ARROW	2.00	EACH
0100	05950	EROSION CONTROL BLANKET	11,440.00	SQYD
0110	20496NS843	SILT TRAP TYPE C	6.00	EACH
0120	20497NS843	CLEAN SILT TRAP TYPE C	6.00	EACH
0130	21132NC	INSTALL PROJECT ID SIGN (72 IN X 120 I	2.00	EACH
0140	21451ED	FILL AND GRADE MEDIAN	7,920.00	LF
0150	02569	DEMOBILIZATION	1.00	LS
0160	21448ED	WRSF TRINITY	6,018.00	LF
0170	21449ND	WRSF END ANCHOR TYPE A TRINITY	6.00	EACH
0180	21452ND	REPLACE WRSF GUARDRAIL POST TRINITY	200.00	EACH
0190	21453ND	REPLACE WRSF END ANCHOR TY A TRINITY	2.00	EACH
0200	21737EN	CASS TL-4 BRIFEN	5,893.00	LF
0210	21738NN	CASS END ANCHOR TL3 BRIFEN	6.00	EACH
0220	21739NN	REPLACE CASS GUARDRAIL POST BRIFEN	200.00	EACH
0230	21740NN	REPLACE CASS END ANCHOR TL3 BRIFEN	2.00	EACH

---

MATERIAL SUMMARY

CONTRACT ID: 071044

IM 265-2 (020) PES NO: DE05602650744  
 GENE SNYDER FREEWAY (I-265) INSTALL MEDIAN CABLE BARRIER SYSTEM FROM MP 23.101 TO MP 35.3 ON I-265 , A DISTANCE OF 12.2 MILES.

LINE NO	BID CODE	DESCRIPTION	QUANTITY	UNIT
0010	00001	D G A BASE	20,065.00	TON
0020	00100	ASPHALT SEAL AGGREGATE	1,745.00	TON
0030	00291	EMULSIFIED ASPHALT RS-2	209.00	TON
0050	02562	SIGNS	500.00	SQFT
0060	02570	PROJECT CPM SCHEDULE	1.00	LS
		265		
0070	02650	MAINTAIN & CONTROL TRAFFIC	1.00	LS
		265		
0080	02671	VAR MESSAGE SIGN-PORT 3 LINE	2.00	EACH
0090	02775	FLASHING ARROW	2.00	EACH
0110	05985	SEEDING AND PROTECTION	63,825.00	SQYD
0120	20496NS843	SILT TRAP TYPE C	14.00	EACH
0130	20497NS843	CLEAN SILT TRAP TYPE C	14.00	EACH
0140	21132NC	INSTALL PROJECT ID SIGN (72 IN X 120 I	2.00	EACH
0240	02569	DEMOBILIZATION	1.00	LS
0150	21448ED	WRSF	54,882.00	LF
		TRINITY		
0160	21449ND	WRSF END ANCHOR TYPE A	22.00	EACH
		TRINITY		
0180	21452ND	REPLACE WRSF GUARDRAIL POST	1,800.00	EACH
		TRINITY		
0190	21453ND	REPLACE WRSF END ANCHOR TY A	5.00	EACH
		TRINITY		
0200	21737EN	CASS TL-4	54,324.00	LF
		BRIFEN		
0210	21738NN	CASS END ANCHOR TL3	22.00	EACH
		BRIFEN		
0220	21739NN	REPLACE CASS GUARDRAIL POST	1,800.00	EACH
		BRIFEN		
0230	21740NN	REPLACE CASS END ANCHOR TL3	5.00	EACH
		BRIFEN		

## **PART II**

### **SPECIFICATIONS AND STANDARD DRAWINGS**

### **SPECIFICATIONS REFERENCE**

Any reference in the plans or proposal to the *Standard Specifications for Road and Bridge Construction, Edition of 2000*, and *Standard Drawings, Edition of 2000* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2004* and *Standard Drawings, Edition of 2003*.

Special Notes [SN] and Special Provisions [SP] marked with an asterisk \* and listed under Part II of the Table of Contents within this proposal can be referenced in the *Standard Specifications for Road and Bridge Construction, Edition of 2004*. Special Notes and Special Provisions not marked with an asterisk will be attached to this proposal.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<p><b>SUBSECTION:</b> 105.07 COOPERATION WITH UTILITIES. <b>REVISION:</b> In the last paragraph, replace “KRS 367 Sections 1 through 10” with “KRS 367.4901 through 367.4917”</p>
<p><b>SUBSECTION:</b> 108.01 SUBCONTRACTING OF CONTRACT. <b>REVISION:</b> Replace the second and third sentence of the first paragraph with the following:</p> <p>When the Engineer gives such consent, the Engineer will allow the Contractor to subcontract a portion, but the Contractor must perform with his own organization work amounting to no less than 30 percent of the total Contract cost. The Department will not allow any subcontractor to exceed the percentage to be performed by the Contractor and will require the Contractor to maintain a supervisory role over the entire project.</p>
<p><b>SUBSECTION:</b> 109.07 PRICE ADJUSTMENT. <b>REVISION:</b> Replace the section with the following:</p> <p>109.07 PRICE ADJUSTMENTS. Due to the fluctuating costs of petroleum products, the Department will adjust the compensation of specified liquid asphalt items and diesel fuel in contracts when contract quantity thresholds are met.</p> <p>109.07.01 Liquid Asphalt. The Department will compare the Kentucky Average Price Index (KAPI), for the month that the Contract is let, to the index for the month that the Contractor places the material on the project to determine the percent change. When the original contract quantity for asphalt items is equal to or greater than 3,000 tons and when the average price of the liquid asphalt products increases or decreases more than 5 percent, the Department will adjust the Contractor’s compensation. The KAPI is calculated monthly using the average price, per ton at the terminal, from the active suppliers of liquid asphalt.</p> <p><u>Adjustable Contract Items:</u></p> <ul style="list-style-type: none"> <li>• Asphalt Curing Seal</li> <li>• Asphalt Material for Prime</li> <li>• Asphalt Base, All Classes</li> <li>• Asphalt Binder</li> <li>• Asphalt Surface, All Classes</li> <li>• Sand Asphalt Surface</li> <li>• Asphalt Open-Graded Surface</li> <li>• Asphalt Seal Coat</li> <li>• Asphalt Mixture for Leveling and Wedging</li> <li>• Drainage Blanket - Type II - Asphalt</li> </ul> <p>The Department will determine the price adjustment using the following formulas:</p> <p><u>When PC is greater than PL</u> Asphalt Price Adjustment = <math>(Q \times A)/100 \times PL \times [(PC-PL)/PL - 0.05]</math></p> <p><u>When PC is less than PL</u> Asphalt Price Adjustment = <math>(Q \times A)/100 \times PL \times [(PC-PL)/PL + 0.05]</math></p> <p>Where: Q = Tons of material or mixture placed each month. A = Percent of material or mixture that is asphalt. PL = KAPI for the month that the Contract is let. PC = KAPI for the month that the Contractor places the material or mixture.</p> <p>The job-mix formula for asphalt base, binder, and surface mixtures determines “A”, which is the percent of asphalt. For recycled mixtures, the Department will determine the adjustment for the new asphalt cement only. The Department will consider materials for prime and seal as 100 percent asphalt.</p>

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

Revision  
Continued

109.07.02 Fuel. The Department will adjust the Contractor's compensation when the average price of diesel fuel increases or decreases more than 5 percent and the original Contract quantity for the item on which the fuel is consumed is equal to or greater than the threshold quantities listed in the following table.

<u>Item</u>	<u>Threshold Quantity</u>	<u>Fuel/Work</u>
Roadway Excavation	10,000 cubic yards	0.25
Embankment-in-Place	10,000 cubic yards	0.25
Borrow Excavation	10,000 cubic yards	0.25
DGA Base or Crushed Stone Base	5,000 tons	0.52
Stabilized Aggregate Base	5,000 tons	0.52
Drainage Blanket, Cement Treated or Untreated	5,000 tons	0.52
Drainage Blanket, Asphalt Treated	5,000 tons	3.00
Crushed Sandstone Base (Cement Treated)	5,000 tons	0.52
Hot-Mixed Asphalt Mixtures for Pavements or Shoulders	3,000 tons <sup>(1)</sup>	3.00
PCC Pavement, Base, or Shoulders	2,000 square yards <sup>(2)</sup>	0.14

<sup>(1)</sup>Total of all hot mixed asphalt Contract items.

<sup>(2)</sup>Total of all JPC pavement, JPC shoulder, and PCC base, Contract items.

The Department will determine the price adjustment using the following formulas:

When PC is greater than PL

$$\text{Fuel Price Adjustment} = Q \times F \times PL \times [(PC-PL)/PL - 0.05]$$

When PC is less than PL

$$\text{Fuel Price Adjustment} = Q \times F \times PL \times [(PC-PL)/PL + 0.05]$$

Where:

Q = Quantity for applicable item placed or performed that month.

F = The fuel to work unit ratio for each applicable item.

PL = Average reseller price of diesel fuel, excluding taxes, discounts, and superfund line items, in the Kentucky region for the month that the Contract is let.

PC = Average reseller price of diesel fuel, excluding taxes, discounts, and superfund line items, in the Kentucky region for the month that the Contractor uses the fuel on the project.

109.07.03 Payments and Deductions. When thresholds are met, the Department will adjust the Contractor's compensation for each eligible pay item, paid or deducted, monthly.

If later price decreases indicate that the Department made an overpayment, the Department will withhold the overpayment from succeeding pay estimates on the project, or the Contractor shall immediately refund the over payment to the Department.

When the Contractor places materials during any month after the month that the Contract time (including all approved time extensions) expires, the Department will use the average price for the month that the Contractor places the material or the average price for the last month of the Contract time; whichever is least.

The Department will not grant a time extension for any overrun in the Contract amount due to payments made according to this section. The Department will not make any additional compensation due to adjustments made according to this section.

The Department will adjust the Contractor's compensation on the following months pay estimate and on the final pay estimate. The Department will make the final adjustment of the Contractor's compensation on the final estimate for the project.

**Supplemental Specifications to The Standard Specifications  
for Road and Bridge Construction, 2004 Edition**  
(Effective with the July 27, 2007 Letting)

<p><b>SUBSECTION:</b> 110.01 MOBILIZATION. <b>REVISION:</b> Replace the third paragraph with the following:</p>	<p>Do not bid an amount for Mobilization that exceeds 5 percent of the sum of the total amounts bid for all items in the Bid Proposal, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives. The Department will automatically adjust any bids in excess of this amount to 5 percent for bid comparisons. The Department will base the award on the maximum allowable bid of 5 percent. If any errors in unit bid prices for other Contract items in a Contractor's Bid Proposal are discovered after bid opening and such errors reduce the total amount bid for all other items, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives, so that the percent bid for Mobilization is larger than 5 percent, the Department will adjust the amount bid for Mobilization to 5 percent of the sum of the corrected total bid amounts.</p>						
<p><b>SUBSECTION:</b> 110.02 DEMOBILIZATION. <b>REVISION:</b> Replace the first sentence of the third paragraph with the following:</p>	<p>Do not bid an amount for Demobilization that is less than 1.5 percent of the sum of the total amounts bid for all other items in the Bid Proposal, excluding Mobilization, Demobilization, and contingent amounts established for adjustments and incentives.</p>						
<p><b>SUBSECTION:</b> 206.03.03 Compaction. <b>REVISION:</b> Replace "KM 64-412" with "KM 64-002"</p>							
<p><b>SUBSECTION:</b> 206.04.01 Embankment-in-Place. <b>REVISION:</b> Replace the first sentence of the sixth paragraph with the following:</p>	<p>When payment is made for Embankment-in-Place, the Department will make payment for all embankment constructed on the project, including roadway embankment, refill in cuts, and embankment placed in embankment benches.</p>						
<p><b>SUBSECTION:</b> 212.03.03 Permanent Seeding and Protection. <b>PART:</b> Delete Part C) and replace Parts A) and B) with the following: <b>REVISION:</b> A) Seed Mixtures for Permanent Seeding.</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding: 5px;">Seed Mix Type I:</td> <td style="padding: 5px;">                     30% Kentucky 31 Tall Fescue (<i>Festuca arundinacea</i>)                      20% Creeping Red Fescue (<i>Festuca rubra</i>)                      35% Hard Fescue (<i>Festuca (Festuca longifolia)</i>)                      10% Ryegrass, Perennial (<i>Lolium perenne</i>)                      5% White Dutch Clover (<i>Trifolium repens</i>)                 </td> </tr> <tr> <td style="padding: 5px;">Seed Mix Type II:</td> <td style="padding: 5px;">                     55% Kentucky 31 Tall Fescue (<i>Festuca arundinacea</i>)                      15% Ryegrass, Perennial (<i>Lolium perenne</i>)                      15% (based on pure live seed, PLS) Little Bluestem (<i>Schizachyrium scoparium</i>)                      15% Crown Vetch (<i>coronilla varia</i>)                 </td> </tr> <tr> <td style="padding: 5px;">Seed Mix Type III:</td> <td style="padding: 5px;">                     40% Kentucky 31 Tall Fescue (<i>Festuca arundinacea</i>)                      15% Perennial Ryegrass <i>Lolium perenne</i>)                      20% Sericea Lespedeza (<i>Lespedeza cuneata</i>)                      25% (based on pure live seed, PLS) Little Bluestem (<i>Schizachyrium scoparium</i>)                 </td> </tr> </table> <p style="margin-left: 40px;">1) Permanent Seeding on Slopes 3:1 or Less. Apply seed mix Type I at a minimum application rate of 100 pounds per acre.</p> <p style="margin-left: 40px;">2) Permanent Seeding on Slopes Greater than 3:1 in Highway Districts 4, 5, 6, and 7. Apply seed mix Type II at a minimum application rate of 100 pounds per acre plus a nurse crop of either Cereal Rye or German Foxtail-Millet based on the time of year. During the months of June through August, apply 10 pounds of German Foxtail-Millet (<i>Setaria italica</i>). During the months of September through May, apply 56 pounds of Cereal Rye (<i>Secale cereale</i>). If adjacent to golf courses replace the crown vetch with Kentucky 31 Tall Fescue</p>	Seed Mix Type I:	30% Kentucky 31 Tall Fescue ( <i>Festuca arundinacea</i> ) 20% Creeping Red Fescue ( <i>Festuca rubra</i> ) 35% Hard Fescue ( <i>Festuca (Festuca longifolia)</i> ) 10% Ryegrass, Perennial ( <i>Lolium perenne</i> ) 5% White Dutch Clover ( <i>Trifolium repens</i> )	Seed Mix Type II:	55% Kentucky 31 Tall Fescue ( <i>Festuca arundinacea</i> ) 15% Ryegrass, Perennial ( <i>Lolium perenne</i> ) 15% (based on pure live seed, PLS) Little Bluestem ( <i>Schizachyrium scoparium</i> ) 15% Crown Vetch ( <i>coronilla varia</i> )	Seed Mix Type III:	40% Kentucky 31 Tall Fescue ( <i>Festuca arundinacea</i> ) 15% Perennial Ryegrass <i>Lolium perenne</i> ) 20% Sericea Lespedeza ( <i>Lespedeza cuneata</i> ) 25% (based on pure live seed, PLS) Little Bluestem ( <i>Schizachyrium scoparium</i> )
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Seed Mix Type III:	40% Kentucky 31 Tall Fescue ( <i>Festuca arundinacea</i> ) 15% Perennial Ryegrass <i>Lolium perenne</i> ) 20% Sericea Lespedeza ( <i>Lespedeza cuneata</i> ) 25% (based on pure live seed, PLS) Little Bluestem ( <i>Schizachyrium scoparium</i> )						

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revision continued	<p>3) Permanent Seeding on Slopes Greater than 3:1 in Highway Districts 1, 2, 3, 8, 9, 10, 11, and 12. Apply seed mix Type III at a minimum application rate of 100 pounds per acre plus a nurse crop of either Cereal Rye or German Foxtail-Millet based on the time of year. During the months of June through August, apply 10 pounds of German Foxtail-Millet (<i>Setaria italica</i>). During the months of September through May, apply 56 pounds of Cereal Rye (<i>Secale cereale</i>). If adjacent to crop land or golf course replace the <i>Sericea Lespedeza</i> with Kentucky 31 Tall Fescue.</p> <p>B) Procedures for Permanent Seeding. Include a seeding plan in the Best Management Practices plan (BMP) according to Section 213. Prepare a seedbed and incorporate fertilizer and agricultural limestone as needed. Do not apply dry agricultural Limestone when it may generate a traffic hazard. Remove all rock and dirt clods over 4 inches in diameter from the surface of the seedbed. Unless the Engineer directs otherwise, track all slopes 3:1 or greater. Ensure that tracking is performed up and down and not across. Native Grass seed should be calculated figuring seed on a pure live seed basis (PLS), using the least amount of inert matter available. Seed and mulch to produce a uniform vegetation cover using the seeding rates as indicated to each application. Mulch with clean, weed free straw. Place straw to an approximate 2-inch loose depth (2 tons per acre) and anchor it into the soil by mechanically crimping it into the soil surface or applying tackifier to provide a protective cover. For the periods of March 1 through May 15 and from September 1 through November 1, the Department will allow the option of using hydromulch at minimum rate of 1,500 pounds per acre in place of straw with tackifier. Regardless of materials used, ensure the protective cover holds until seeding is acceptably established according to part G) of this subsection.</p>
<b>SUBSECTION:</b> <b>REVISION:</b>	213.03.01 Best Management Practices (BMP). Replace the second and third sentence of the first paragraph with the following:  Include erosion control for all off right of way work performed under a Department acquired permit. Ensure that the BMP provides storage for 3,600 cubic feet of water per surface acre disturbed.
<b>SUBSECTION:</b> <b>REVISION:</b>	213.03.02 Progress Requirements. Add the following after the first sentence of the third paragraph:  Seed and mulch areas at final grade within 14 days. Temporary mulch areas not at final grade if work stops for longer than 21 days. Temporary mulch soil stock piles within 14 days of the last construction activity in that area.
<b>SUBSECTION:</b> <b>REVISION:</b>	213.03.03 Inspection and Maintenance Replace both "0.1-inch" references with "0.5-inch".  Add the following sentence to the end of the second paragraph:  Initiate corrective action within 24 hours of any reported deficiency.
<b>SUBSECTION:</b> <b>PART:</b> <b>REVISION:</b>	213.03.05 Temporary Control Measures. B) Silt Checks. B) Silt Checks. Use one of the following types:  1) Silt Check Type II - Crushed stone such as cyclopean stone riprap, quarry run stone, or other size material approved by the Engineer, dumped in place and shaped to the configuration required. 2) Silt Check Type III - Blasted or broken rock dumped in place and shaped to the configuration required.  Remove and properly dispose of sediment deposited at silt checks as necessary. When no longer needed, remove the silt checks and dispose of surplus materials as excavated materials according to Section 204. Seed and protect the entire area disturbed, as directed. Do not leave silt checks in place after completion of the project unless allowed by the Engineer or specified in the Plans.

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<p><b>SUBSECTION:</b> 213.03.05 Temporary Control Measures. <b>PART:</b> F) Temporary Seeding and Protection. <b>REVISION:</b> Replace the first sentence with the following:</p>	<p>Apply seed mix Type I at a minimum application rate of 100 pounds per acre plus a nurse crop of either Cereal Rye or German Foxtail-Millet based on the time of year. During the months of June through August, apply 10 pounds of German Foxtail-Millet (<i>Setaria italica</i>). During the months of September through May, apply 56 pounds of Cereal Rye (<i>Secale cereale</i>). Obtain the Engineer's approval for the seed before use.</p>
<p><b>SUBSECTION:</b> 213.03.05 Temporary Control Measures. <b>PART:</b> G) Temporary Mulch. <b>REVISION:</b> Replace the last sentence with the following:</p>	<p>Place temporary mulch to an approximate 2-inch loose depth (2 tons per acre) and apply tackifier.</p>
<p><b>SUBSECTION:</b> 213.04.15 Temporary Silt Ditch. <b>REVISION:</b> Replace with the following:</p>	<p>The Department will measure the quantity in linear feet.</p>
<p><b>SUBSECTION:</b> 213.04 MEASUREMENT. <b>REVISION:</b> Add the following Subsection:</p>	<p>213.04.24 Clean Temporary Silt Ditch. The Department will measure the quantity in linear feet along the ditch line.</p>
<p><b>SUBSECTION:</b> 213.05 PAYMENT. <b>REVISION:</b> Add the following lines:</p>	<p>20594 Temporary Silt Ditch                      Linear Foot 20601 Clean Temporary Silt Ditch              Linear Foot</p>
<p><b>SUBSECTION:</b> 303.03.01 Mixture <b>PART:</b> C) Cement Treated Mixture. <b>REVISION:</b> Delete the "For asphalt pavements" from the second paragraph.</p>	
<p><b>SUBSECTION:</b> 303.03.01 Mixture <b>PART:</b> C) Cement Treated Mixture. <b>REVISION:</b> Delete requirement "2".</p>	
<p><b>SUBSECTION:</b> 401.02.01 All Asphalt Mixing Plants. <b>REVISION:</b> Replace the third paragraph and numbers 1) and 2) with the following:</p>	<p>When plants are in operation, the Department will require one computer on the site of operations for the purpose of recording and submitting test data. Ensure Microsoft Office 2003 Professional, full installation, is installed on the computer and used for data submittal.</p>
<p><b>SUBSECTION:</b> 402.03.02 Acceptance. <b>PART:</b> D) Testing Responsibilities. <b>NUMBER:</b> 4) Density. <b>REVISION:</b> Replace the first sentence of the third paragraph with the following:</p>	<p>For surface mixtures placed on driving lanes and ramps, furnish 2 cores per subplot to the nearest laboratory facility (Contractor or Department lab) for density determination by the Engineer.</p>
<p><b>SUBSECTION:</b> 402.03.02 Acceptance. <b>PART:</b> H) Unsatisfactory Work. <b>NUMBER:</b> 1) Based on Lab Data. <b>REVISION:</b> Replace the "AASHTO MP2" references in the second paragraph with "AASHTO M 323".</p>	
<p><b>SUBSECTION:</b> 402.04 MEASUREMENT. <b>REVISION:</b> Replace the last sentence with the following:</p>	<p>The Department will not measure construction of rolled rumble strips or pavement wedge texturing for payment and will consider them incidental to the asphalt mixture.</p>

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<p><b>SUBSECTION:</b> 402.04.01 Weight. <b>REVISION:</b> Replace first sentence of the second paragraph with the following:</p>	<p>The Department will determine the bulk, oven-dry specific gravity for the fine and coarse aggregates according to KM64-605 and AASHTO T 85, respectively.</p>												
<p><b>SUBSECTION:</b> 402.04.02 Thickness on New Construction. <b>REVISION:</b> Delete the third paragraph and add the following at the end of the subsection:</p>	<p>The Department will not measure initial thickness check coring or coring of corrective work for payment and will consider it incidental to the asphalt mixture.</p>												
<p><b>SUBSECTION:</b> 402.05.02 <b>PARTS:</b> Lot Pay Adjustment Schedule, Compaction Option A, Base and Binder Mixtures Lot Pay Adjustment Schedule, Compaction Option A, Surface Mixtures Lot Pay Adjustment Schedule, Compaction Option B Mixtures <b>REVISION:</b> Replace the VMA table with the following:</p>	<table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th colspan="2" style="text-align: center;">VMA</th> </tr> <tr> <th style="text-align: center;">Pay Value</th> <th style="text-align: center;">Deviation From Minimum</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.00</td> <td style="text-align: center;">≤ 0.5 below min. VMA</td> </tr> <tr> <td style="text-align: center;">0.95</td> <td style="text-align: center;">0.6-1.0 below min.</td> </tr> <tr> <td style="text-align: center;">0.90<sup>(2)</sup></td> <td style="text-align: center;">1.1-1.5 below min.</td> </tr> <tr> <td style="text-align: center;"><sup>(1)</sup>/<sub>(2)</sub></td> <td style="text-align: center;">&gt; 1.5 below min.</td> </tr> </tbody> </table>	VMA		Pay Value	Deviation From Minimum	1.00	≤ 0.5 below min. VMA	0.95	0.6-1.0 below min.	0.90 <sup>(2)</sup>	1.1-1.5 below min.	<sup>(1)</sup> / <sub>(2)</sub>	> 1.5 below min.
VMA													
Pay Value	Deviation From Minimum												
1.00	≤ 0.5 below min. VMA												
0.95	0.6-1.0 below min.												
0.90 <sup>(2)</sup>	1.1-1.5 below min.												
<sup>(1)</sup> / <sub>(2)</sub>	> 1.5 below min.												
<p><b>SUBSECTION:</b> 403.03.03 Preparation of Mixture. <b>PART:</b> A) Mixture Composition. <b>REVISION:</b> Replace the “AASHTO MP2” reference in the first paragraph with “AASHTO M 323”.</p>	<p>From the aggregate requirements list, delete 3) Type C.</p>												
<p><b>SUBSECTION:</b> 403.03.03 Preparation of Mixture. <b>PART:</b> C) Mix Design Criteria. <b>REVISION:</b> Replace the “AASHTO MP2” references with “AASHTO M 323”.</p>	<p>Replace the “AASHTO PP28” references in the second paragraph with “AASHTO R 35”.</p>												
<p><b>SUBSECTION:</b> 403.03.03 Preparation of Mixture. <b>PART:</b> C) Mix Design Criteria. <b>NUMBER</b> 1) Preliminary Mix Design. <b>REVISION:</b> Add the following footnote to the table and associate it with the ESAL’s field “&lt;0.3”:</p>	<p>* For CL1 ASPH SURF 0.38D PG64-22 only.</p>												
<p><b>SUBSECTION:</b> 403.03.06 Thickness Tolerances. <b>PART:</b> B) New Construction. <b>REVISION:</b> Replace the first paragraph with the following:</p>	<p>Under the Engineer’s supervision, perform coring for thickness checks according to KM 64-420, as soon as practical after completion of all, or a major portion, of the asphalt base. The Engineer will measure the cores. Fill all core holes either with compacted asphalt mixture or non-shrink grout. Complete all remedial overlay work before placing the final course.</p>												

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**SUBSECTION:** 403.03.08 Rumble Strips.  
**REVISION:** Replace with the following:

403.03.08 Shoulder Rumble Strips and Pavement Wedge Texturing.

A) Shoulder Rumble Strips.

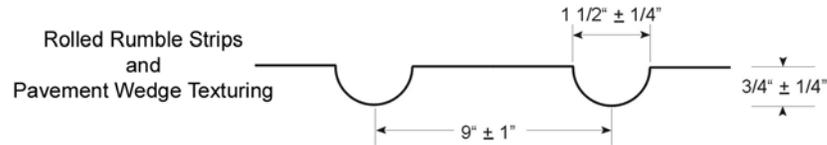
1) Interstates and Parkways. Construct sawed rumble strips on all mainline shoulders to the dimensions shown below. Do not place rumble strips on ramps.

2) Other Roads. Construct rolled rumble strips on shoulders of facilities with posted speed limits greater than 45 MPH. Unless specified in the plans or directed by the Engineer, do not construct rumble strips on facilities with posted speed limits of 45 MPH or less.

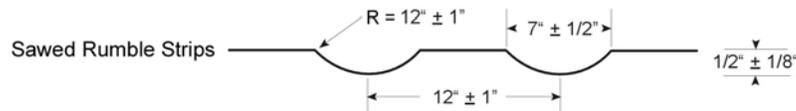
Construct rolled rumble strips on mainline shoulders to the dimensions shown below. On shoulders less than 3 feet wide, shorten the width and distance of the strips as the Engineer directs. Time the rolling operation so indentations are at the specified size and depth without causing unacceptable displacement of the asphalt mat. Correct unacceptable rolled rumble strips by sawing.

B) Pavement Wedge Texturing. Perform texturing on all pavement wedges constructed monolithically with the mainline or constructed using a surface mixture. When furnishing Asphalt Mixture for Pavement Wedge, binder, or a base mixture for the wedge, the Department will not require texturing.

Texture to the dimensions shown below. On wedges less than 3 feet, shorten the length and distance of the texturing as the Engineer directs. Time the rolling operation so indentations are at the specified size and depth without causing unacceptable displacement of the asphalt mat.



Place one foot out from the mainline pavement and to a width of 2 feet.



Place one foot out from the mainline pavement and to a width of 16 inches.

**SUBSECTION:** 403.04.03 Asphalt Mixtures.  
**REVISION:** Replace the second sentence with the following:

The Department will not measure rolled rumble strips or pavement wedge texturing for payment and will consider them incidental to this bid item.

**SUBSECTION:** 403.04.07 Sawed Rumble Strips.  
**REVISION:** Add the following subsection:

403.04.07 Sawed Rumble Strips. The Department will measure the quantity in linear feet. When rolled in rumble strips are specified, the Department will not measure sawed rumble strips for payment and will consider them incidental to the asphalt mixture.

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<b>SUBSECTION:</b>	403.05 PAYMENT						
<b>REVISION:</b>	Add the following bid item:						
	<table border="0"> <thead> <tr> <th align="left"><u>Code</u></th> <th align="left"><u>Pay Item</u></th> <th align="left"><u>Pay Unit</u></th> </tr> </thead> <tbody> <tr> <td>20362</td> <td>Shoulder Rumble Strips – Sawed</td> <td>Linear Foot</td> </tr> </tbody> </table>	<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>	20362	Shoulder Rumble Strips – Sawed	Linear Foot
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>					
20362	Shoulder Rumble Strips – Sawed	Linear Foot					
<b>SUBSECTION:</b>	501.03.20 Opening to Public Traffic.						
<b>REVISION:</b>	Delete the last sentence of the first paragraph.						
<b>SUBSECTION:</b>	501.03.21 Tolerance in Pavement Thickness.						
<b>REVISION:</b>	Add the following:  Core the pavement as the Engineer directs.						
<b>SUBSECTION:</b>	501.04.06 Thickness.						
<b>REVISION:</b>	Add the following:  The Department will not measure coring for payment and will consider it incidental to the concrete pay items.						
<b>SUBSECTION:</b>	502.03 CONSTRUCTION.						
<b>PART:</b>	C) Curing and Protecting Pavement.						
<b>NUMBER:</b>	3)						
<b>REVISION:</b>	Replace the last sentence with the following:  The Department will allow permanent removal of the cover when the concrete attains the required opening strength of 3,000 psi.						
<b>SUBSECTION:</b>	502.03 CONSTRUCTION.						
<b>PART:</b>	D) Strength Testing and Opening to Traffic.						
<b>NUMBER:</b>	2) Testing.						
<b>REVISION:</b>	Replace the second paragraph with the following:  When the average compressive strength is 3,000 psi, the Department will allow the pavement to be opened to traffic and will test the remaining sets of cylinders at the required age. When the average compressive strength is less than 3,000 psi at the required age, do not open the pavement to traffic until the pavement has been in place for 7 days. The Engineer may accept the pavement based on additional testing.						
<b>SUBSECTION:</b>	503.03.09 Ride Quality.						
<b>REVISION:</b>	Replace parts 5) and 6) with the following:  5) Perform corrective work to achieve the required IRI by regrinding the entire width of the traffic lane at areas having a high IRI. The Engineer may exclude pavement areas where grinding alone will not correct deficiency. 6) The Department will create a strip chart when the test results show that the IRI is greater than 60 or upon request for lower IRI values.						
<b>SUBSECTION:</b>	601.03.02 Concrete Producer Responsibilities.						
<b>REVISION:</b>	Replace the first sentence with the following:  Use a concrete producer from the List of Approved Materials when the quantity of concrete delivered to the project in a plastic condition is 250 cubic yards or more.  Ensure that the concrete producer complies with the following requirements:						

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<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities.  <b>PART:</b> C) Quality Control.  <b>REVISION:</b> Replace the first paragraph with the following:</p>	<p>Take full responsibility for the batch weight calculations and quality control of concrete mixtures at the plant. Ensure that the Level II concrete technician is present when work is in progress and is responsible for inspecting trucks, batch weight calculations, monitoring batching, making mixture adjustments, reviewing the slump, air content and unit weight tests, and monitoring the concrete temperature, all to provide concrete to the project conforming to specifications. A Level I concrete technician is responsible for testing production material for slump, entrained air, unit weight and temperature of the mixture. Ensure the technician performs all sampling and testing according to the appropriate Kentucky Methods.</p> <p>Delete the third paragraph.</p>
<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities.  <b>PART:</b> F) Records.  <b>REVISION:</b> Retain all concrete technician records, test results and batch tickets pertaining to concrete produced for a Department project for at least 3 years after formal acceptance of the project. Make all records available to the Engineer and the Contractor on the project for review upon request.</p>	
<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities.  <b>PART:</b> G) Mix Designs.  <b>REVISION:</b> Replace the last sentence of the first paragraph with the following:</p>	<p>Before producing any concrete for the project, submit a proposed mixture design to the Engineer and obtain the District Materials engineer's or the Central Office Material's approval. Submit the mix design electronically using Microsoft Office 2003 Professional, full installation, and the Concrete Mix Design Spreadsheet located on the Division of Materials Website.</p>
<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities.  <b>PART:</b> G) Mix Designs.  <b>NUMBER:</b> 1) New Mixture Designs.  <b>REVISION:</b> Replace the first sentence with the following:</p>	<p>Base the proposed mix design on standard Department methods unless the District Materials Engineer, or Central Office Materials approves otherwise.</p>
<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities.  <b>PART:</b> G) Mix Designs.  <b>NUMBER:</b> 1) New Mixture Designs.  <b>LETTER:</b> b)</p>	
<p><b>REVISION:</b> Replace the second sentence with the following:</p>	<p>The District Materials Engineer or Central Office Materials will provide an average value of the specific gravity aggregate absorption.</p>
<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities.  <b>PART:</b> G) Mix Designs.  <b>NUMBER:</b> 1) New Mixture Designs.  <b>LETTER:</b> g)  <b>REVISION:</b> Replace the fourth and fifth sentence with the following:</p>	<p>Central Office Materials will observe all phases of the trial batches. Have the producer submit a report containing mix proportions and test results for slump, air content, water/cement ratio, unit weight, and compressive strength for each trial batch to the Engineer for Central Office Materials review and approval.</p>

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<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities.  <b>PART:</b> G) Mix Designs.  <b>NUMBER:</b> 2) Approval.  <b>REVISION:</b> Replace the first sentence with the following:</p> <p>The District Materials Engineer or Central Office Materials will base approval of the mixture design on the following criteria:</p>
<p><b>SUBSECTION:</b> 601.03.02 Concrete Producer Responsibilities.  <b>PART:</b> G) Mix Designs.  <b>NUMBER:</b> 3) Changes in Approved Mix Designs.  <b>REVISION:</b> Replace the first sentence with the following:</p> <p>Do not change the source of supply of the mixture ingredients without the District Materials Engineer's or Central Office Materials written permission.</p> <p>Replace the third sentence with the following:</p> <p>Upon the District Materials Engineer's or Central Office Materials written approval, the Department will allow the use of aggregate from the new source.</p>
<p><b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements.  <b>PART:</b> A) Concrete.  <b>TABLE:</b> INGREDIENT PROPORTIONS AND REQUIREMENTS FOR VARIOUS CLASSES OF CONCRETE  <b>REVISION:</b> Under Class of Concrete replace "AAA<sup>(9)</sup>" with "AAA<sup>(8)</sup>"</p>
<p><b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements.  <b>PART:</b> A) Concrete.  <b>FOOTNOTE:</b> (6)  <b>REVISION:</b> Add the following after the first sentence of the first paragraph:</p> <p>For products with voids, the slump may be increased to 7 inches.</p> <p>Replace the "0.3" requirement for Spring and Fall mix designs with "0.37".</p>
<p><b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements.  <b>PART:</b> A) Concrete.  <b>FOOTNOTE:</b> (7)  <b>REVISION:</b> Replace with the following:</p> <p>The precast fabricator may increase the slump of Class A concrete to a maximum of 7 inches provided the fabricator uses a high range water reducer (Type F and G) and maximum water/cement ratio of 0.46.</p>
<p><b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements.  <b>PART:</b> E) Measuring.  <b>NUMBER:</b> 3) Water.  <b>REVISION:</b> Delete the last sentence of the second paragraph.</p>

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<p><b>SUBSECTION:</b> 601.03.03 Proportioning and Requirements.  <b>PART:</b> E) Measuring.  <b>NUMBER:</b> 4) Measuring Admixtures.  <b>REVISION:</b> Replace with the following:</p>	<p>4) Measuring Admixtures. Introduce liquid admixtures into the concrete batch along with, or as part of, the mixing water. Keep air-entraining admixtures completely separate from all other admixtures until introduction into the batch. Maintain and equip dispensing equipment to ensure no chlorides are introduced into any Department mix.</p> <p>Use approved dispensing equipment with a meter, gauge, or scale that can accurately be pre-set for the needed amount of admixture and can consistently deliver quantities of admixture to successive batches at any setting with satisfactory accuracy. The dispensing equipment must be visible to the batch operator if the actual dispensed amounts are not recorded on the computer batch ticket. Ensure admixture dispensers are inspected, calibrated and certified every 6 months.</p> <p>The Department may allow admixtures to be added, to the truck, at the project site provided the Engineer's approval is obtained first.</p>
<p><b>SUBSECTION:</b> 601.03.04 Classes and Primary Uses.  <b>REVISION:</b> Add the following part:</p>	<p>R) Dry Cast. Precast units.</p>
<p><b>SUBSECTION:</b> 601.03.05 Admixtures.  <b>REVISION:</b> Replace the last sentence of the fourth paragraph with the following:</p>	<p>Store admixtures where the liquid temperatures can be maintained between 32 and 110 °F.</p>
<p><b>SUBSECTION:</b> 601.03.09 Placing Concrete.  <b>PART:</b> D) Weather Limitations and Protection.  <b>REVISION:</b> Delete the last sentence of paragraph two.</p>	
<p><b>SUBSECTION:</b> 605.03 CONSTRUCTION.  <b>REVISION:</b> Insert the following sentence after the first sentence:</p>	<p>Ensure all non-composite box beam concrete contains an approved corrosion inhibitor from the List of Approved Materials.</p>
<p><b>SUBSECTION:</b> 605.03.03 Casting.  <b>REVISION:</b> Delete the first sentence in the first paragraph.</p>	<p>Add the following after the first sentence of the third paragraph:</p> <p>Do not vibrate Self-Consolidating Concrete (SCC).</p>
<p><b>SUBSECTION:</b> 605.03.04 Tack welding.  <b>REVISION:</b> Replace the first sentence with the following:</p>	<p>When tack welding steel reinforcement, use ASTM A 706 steel and conform to the following conditions.</p>
<p><b>SUBSECTION:</b> 605.03.04 Tack Welding.  <b>NUMBER:</b> 3)  <b>REVISION:</b> Replace the first sentence with the following:</p>	<p>Tack weld only at intersections of bars except do not tack weld in any bend or within 2 bar diameters of a bend.</p>
<p><b>SUBSECTION:</b> 605.03.04 Tack Welding.  <b>NUMBER:</b> 5)  <b>REVISION:</b> Replace the last sentence with the following:</p>	<p>Each sample must meet the minimum requirement for elongation, ductility, tensile and yield strength of the bar stock.</p>

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<b>SUBSECTION:</b>	605.03.04 Tack Welding.
<b>NUMBER:</b>	6)
<b>REVISION:</b>	Delete the last sentence.
<b>SUBSECTION:</b>	605.03.04 Tack Welding.
<b>REVISION:</b>	Change footnote "(4) (d)" to "(5)"
<b>SUBSECTION:</b>	605.03.07 Removal of Forms and Surface Finish.
<b>REVISION:</b>	Add the following sentence before the last sentence of the paragraph:  Finish dry cast products according to the Precast/Prestressed Concrete Manual.
<b>SUBSECTION:</b>	611.02.01 Concrete.
<b>REVISION:</b>	Replace with the following:  Conform to Subsections 601.02 and 601.03 and the Precast/Prestress Concrete Manual.
<b>SUBSECTION:</b>	611.03.02 Precast Unit Construction.
<b>REVISION:</b>	Replace "AASHTO C 1433" with "ASTM C 1433"
<b>SUBSECTION:</b>	611.03.02 Precast Unit Construction.
<b>NUMBER:</b>	2)
<b>REVISION:</b>	Replace with the paragraph with the following:  Mark all box culverts sections with the following information on the inside top of each section with letters no less than 2 inches high:  <ul style="list-style-type: none"> <li>a) Span, rise, maximum and minimum design earth cover, and KY Table 3.</li> <li>b) Date of manufacture.</li> <li>c) Name and trademark of the manufacturer.</li> </ul> For entrance and exit box sections, indent the required information. Mark interior sections by indenting or with waterproof paint.
<b>SUBSECTION:</b>	701.02.05 Backfill Materials.
<b>PART:</b>	A) Granular Backfill.
<b>NUMBER:</b>	1)
<b>REVISION:</b>	Remove "A2" from the list of acceptable materials.
<b>SUBSECTION:</b>	701.03.03 Pipe Bedding.
<b>REVISION:</b>	Replace with the following:  701.03.03 Pipe Bedding.  A) Reinforced Concrete Pipe. Construct bedding according to the Standard Drawings and this section.  <ul style="list-style-type: none"> <li>1) Type 1 Installation. When working on a rock foundation, place bedding to a depth of 6 inches or equal to <math>B_c/12</math>, the pipe diameter in inches divided by 12, whichever is greater. For all other foundations, place a minimum of 4 inches of bedding. Shape the bedding to conform to the invert shape throughout the entire width and length of the proposed structure. Compact the bedding, but leave the center third of the pipe diameter (<math>B_c/3</math>) uncompacted. Place and compact additional bedding material in lifts 6 inches or less to an elevation of 0.30 the culvert diameter.</li> <li>2) Type 4 Installation. When working on a rock foundation, place bedding to a depth of 6 inches or equal to <math>B_c/12</math>, the pipe diameter in inches divided by 12, whichever is greater. For all other foundations, place a minimum of 4 inches of bedding.</li> </ul> B) Corrugated Metal, Thermoplastic, and Structural Plate Pipe. Place and compact bedding to provide 4 inches of bedding below the outside invert of the pipe after shaping. Shape the bedding to conform to the invert shape throughout the entire width and length of the proposed structure. Place and compact additional bedding material in lifts 6 inches or less to an elevation of 0.30 the culvert diameter.

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<b>SUBSECTION:</b>	701.03.06 Initial Backfill.
<b>PART:</b>	A) Reinforced Concrete
<b>REVISION:</b>	Replace with the following:  A) Reinforced Concrete Pipe.  1) Type 1 Installation. When the top of the pipe is not within one pipe diameter of the subgrade, backfill with granular backfill, additional bedding material, or flowable fill from the top of the bedding to an elevation equal to 1/2 the pipe diameter, and either granular backfill, flowable fill, or embankment material in 6-inch lifts to an elevation of one-foot above the pipe. 2) Type 4 Installation. Backfill from the top of the bedding with granular backfill, flowable fill, or embankment material in 6-inch lifts to an elevation of one-foot above the pipe. The Department will allow Type 4 installations for median drains and pipe installations located 35 feet or more from the edge of shoulder, back of curb, or any paved surface.
<b>SUBSECTION:</b>	701.05 PAYMENT.
<b>REVISION:</b>	Replace bid item "2599 Fabric-Geotextile, Type IV Square Yard" with "21433ES214 Fabric-Geotextile, Type IV for Pipe Square Yard <sup>(2)</sup> "  Replace foot note "*** The unit bid price is \$2.00 per square yard for Geotextile Fabric, Type III" with " <sup>(2)</sup> The unit price is \$2.00 per square yard for Fabric-Geotextile, Type IV for Pipe"
<b>SUBSECTION:</b>	710.02.15 Plastic Adjusting Rings.
<b>REVISION:</b>	Replace this section with:  710.02.15 Plastic or Rubber Adjusting Rings. Provide plastic or rubber adjusting rings that are on the Department's List of Approved Materials.
<b>SUBSECTION:</b>	710.03.03 Adjusted Small Drainage Structures.
<b>REVISION:</b>	Replace the last sentence of the first paragraph:  For plastic or rubber adjusting rings, install and seal according to the manufacturer's recommendations.
<b>SUBSECTION:</b>	711.02 MATERIALS.
<b>REVISION:</b>	Replace with the following:  Conform to the Contract requirements.
<b>SUBSECTION:</b>	713.03 CONSTRUCTION.
<b>REVISION:</b>	Add the following after the third paragraph:  Offset longitudinal lines at least 2 inches from longitudinal pavement construction joints. Offset longitudinal lane lines on multi-lane highways 2 inches towards the median.
<b>SUBSECTION:</b>	714.03.06 Proving Period for Durable Markings.
<b>PART:</b>	B) Failure.
<b>REVISION:</b>	Replace the first sentence with the following:  During the proving period, the Department will consider markings defective when the retroreflectivity falls below the minimum required or the material fails to meet the other requirements of A) above. Additionally, when more than 10 percent of any one-mile section or individual gore area is defective, the Department will consider the entire section defective.
<b>SUBSECTION:</b>	716.03.08 Testing.
<b>REVISION:</b>	Replace "10 megohms" with "100 megohms"
<b>SUBSECTION:</b>	721.03 CONSTRUCTION.
<b>REVISION:</b>	Replace the third paragraph with the following:  Install fence 18 inches inside the right-of-way line or in other locations specifically indicated.
<b>SUBSECTION:</b>	723.03 CONSTRUCTION.
<b>REVISION:</b>	Replace the first sentence of the fourth paragraph with the following:  Set right-of-way markers within 12 inches of the right-of-way line.

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<b>SUBSECTION:</b>	724.02.01 Plants.
<b>REVISION:</b>	Replace the reference “American Association of Nurserymen” with “American Nursery and Landscape Association”.
<b>SUBSECTION:</b>	801.01 REQUIREMENTS.
<b>REVISION:</b>	Add the following sentence after the third sentence of the first paragraph:  Mills must request and be approved by the Department to supply cement with an SO <sub>3</sub> content above the value in Table 1 of ASTM C 150.
<b>SUBSECTION:</b>	804.01.03 Conglomerate Sand.
<b>REVISION:</b>	Replace second sentence of the paragraph with the following:  Conglomerate sand may include some material which has been produced by crushing larger pieces of the parent material.
<b>SUBSECTION:</b>	804.02 Approval.
<b>REVISION:</b>	Replace first sentence of the second paragraph with the following:  The Department will consider a source for inclusion on the Aggregate Source List when the aggregate producer complies with KM 64-608 and provides the following:
<b>SUBSECTION:</b>	804.03 Concrete.
<b>REVISION:</b>	Second sentence in first paragraph should be a separate paragraph immediately following the first and should read as follows:  Provide natural, crushed, or conglomerate sand. The Department will allow any combination of natural, crushed, or conglomerate sand when the combination is achieved in the concrete plant weigh hopper. The Engineer may allow other sands. Use natural or conglomerate sands as fine aggregates in concrete intended as a wearing surface for traffic. Conform to the following:
<b>SUBSECTION:</b>	804.04.03 Polish-Resistant Aggregate.
<b>REVISION:</b>	Add the following paragraph:  Provide a signed certification from the aggregate producer for the manufactured polish-resistant fine aggregate stating that the aggregate is supplied from the approved parent material as found on the Department’s List of Approved Materials, Polish-Resistant Aggregate Source List and Guidelines on the Division of Materials’ webpage.
<b>SUBSECTION:</b>	804.04.04 Requirements for Combined Aggregates.
<b>PART:</b>	D) Absorption.
<b>REVISION:</b>	Delete the first sentence and replace the second sentence with the following:  Provide total combined fine aggregates having a water absorption of no more than 4.0 percent.
<b>SUBSECTION:</b>	804.11 Sampling and Testing.
<b>REVISION:</b>	For Absorption (Fine Aggregate), replace method “AASHTO T 84” with “KM 64-605”
<b>SUBSECTION:</b>	805.02 Approval.
<b>REVISION:</b>	Replace first sentence of the second paragraph with the following:  The Department will consider a source for inclusion on the Aggregate Source List when the aggregate producer complies with KM 64-608 and provides the following:

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<b>SUBSECTION:</b>	805.04.01 JPC Base, JPC Pavement, JPC Shoulders, and Concrete for Bridge Decks.
<b>REVISION:</b>	Replace the subsection heading and first sentence with the following:  805.04.01 JPC Base, JPC Pavement, JPC Shoulders, Concrete for Bridge Decks, and Precast Products.  Add the following paragraph:  Provide a signed certification from the aggregate producer for the approved freeze-thaw coarse aggregate stating that the aggregate is supplied from the approved parent material as found on the Department's List of Approved Materials and Concrete Aggregate Restriction List.
<b>SUBSECTION:</b>	805.04.01 JPC Base, JPC Shoulders, and Concrete for Bridge Decks.
<b>PART:</b>	3)
<b>REVISION:</b>	Replace the "tests" with "test" in the last sentence.
<b>SUBSECTION:</b>	805.05.05 Polish-Resistant Aggregate.
<b>REVISION:</b>	Add the following paragraph:  Provide a signed certification from the aggregate producer for the manufactured polish-resistant coarse aggregate stating that the aggregate is supplied from the approved parent material as found on the Department's List of Approved Materials, Polish-Resistant Aggregate Source List and Guidelines on the Division of Materials' webpage.
<b>SUBSECTION:</b>	805.13.01 Cyclopean Stone Riprap and Channel Lining Class III.
<b>REVISION:</b>	Replace the subsection with the following:  805.13.01 Cyclopean Stone Riprap and/or Channel Lining Class III. Provide material meeting the general requirements of Section 805. Ensure that 100 percent passes through a square opening of 16 inches by 16 inches, and no more than 20 percent passes through square openings of 8 inches by 8 inches. The Department may allow stones of smaller sizes for filling voids in the upper surface and dressing to the proper slope.
<b>SUBSECTION:</b>	806.03.01 General Requirements.
<b>TEST:</b>	Dynamic Shear
<b>REVISION:</b>	Replace the 100% pay range "5,000-5,500" with "0-5,500"
<b>SUBSECTION:</b>	806.03.03 Modification.
<b>REVISION:</b>	Replace the first sentence with the following:  Use only styrene-butadiene (SB) or styrene-butadiene-styrene (SBS) modifiers.
<b>SUBSECTION:</b>	810.02 APPROVAL.
<b>REVISION:</b>	Replace reference "KM 114" with "KM 115".
<b>SUBSECTION:</b>	810.03.06 Identification and Markings.
<b>REVISION:</b>	Delete the following text from the first paragraph:  "When the manufacturer has more than one plant, include the plant letter assigned by the Division of Materials after the date of manufacture as follows: L-Louisville N-London"  Delete the following paragraph:  "The Department will not require the certification on the shipment approval form to be notarized. The Department will not require the information under "Pipe Data" on the approval form when the manufacture's shipment ticket is attached and contains the necessary information."

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<b>SUBSECTION:</b>	811.02.01 Requirements.
<b>REVISION:</b>	Replace the subsection with the following:  Furnish bar reinforcement for bridges, cast-in-place culverts, and cast-in-place retaining walls that conforms to ASTM A 615 (billet) or ASTM A 996 (rail). ASTM A 706 steel is acceptable with prior approval of the Division of Materials. Do not weld any steel bar reinforcement unless it is ASTM A 706 rebar. The Engineer will accept rail steel bar reinforcement in straight lengths only. Do not use rail steel reinforcement where field bending is allowed or required.
<b>SUBSECTION:</b>	811.09.02 Dowel Bars.
<b>REVISION:</b>	Replace the reference to "ASTM A 616" with "ASTM A 996"  Insert the following sentence between the third and fourth sentence of the first paragraph:  Broken or sheared ends are acceptable with prior approval of the Division of Materials.
<b>SUBSECTION:</b>	811.06 BAR MATS.
<b>REVISION:</b>	Replace the subsection with the following:  Conform to ASTM A 184 and fabricate by welding deformed Grade 60 weldable bars.
<b>SUBSECTION:</b>	811.09.02 Dowel Bars.
<b>REVISION:</b>	Replace the first paragraph with the following:  Furnish dowel bars that are plain round bars conforming to ASTM A 706, A 615, A 996, or A 617 with respect to mechanical properties only. Provide either Grade 40, 50 or 60 steel. Saw cut the free ends of the dowels and ensure that they are free of burrs or projections. Broken or sheared ends are acceptable with prior approval of the Division of Materials. Coat dowel bars according to AASHTO M 254 with the following exceptions for Type B coatings:
<b>SUBSECTION:</b>	811.10.02 Epoxy Coating Material.
<b>REVISION:</b>	Replace both the reference to "ASTM D 3963 Annex" and "ASTM D 3963" with "AASHTO M 284".
<b>SUBSECTION:</b>	812.01.02 Hot-Rolled Carbon Steel Sheets and Strip of Structural Quality, Grade 33 (Corrugated Steel Plank for Bridge Floors).
<b>REVISION:</b>	Replace the reference to "ASTM A 570" with "ASTM A 1011"

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**SUBSECTION:** 827.04 SEED.

**REVISION:** Replace with the following:

827.04 SEED. Conform to the requirements outlined in the “Kentucky Seed Law and Provisions for Seed Certification in Kentucky” and the “Regulations under the Kentucky Seed Law”, with following exceptions:

- 1) Obtain seed only through registered dealers that are permitted for labeling of seed.
- 2) Ensure all deliveries and shipments of premixed seed are accompanied with a master blend sheet.
- 3) Ensure all bags and containers have an acceptable seed tag attached.
- 4) The Department may sample the seed at the job site at any time.

Do not use seed (grasses, native grasses, and legumes) if the weed seed is over one percent, total germination (including hard seed) is less than 80 percent, if the seed test date is over 9 months old exclusive of the month tested, or if the limits of noxious weed seed is exceeded.

Ensure that noxious weed seeds contained in any seed or seed mixture does not exceed the maximum permitted rate of occurrence per pound.

<u>Name of Kind</u>	<u>Max. No. Seeds (per pound)*</u>
Balloon Vine ( <i>Cardiospermum halicacabum</i> )	0
Purple Moonflower ( <i>Ipomoea turbinata</i> )	0
Canada Thistle ( <i>Cirsium Arvense</i> )	0
Johnsongrass ( <i>Sorghum halepense</i> and <i>Sorghum almum</i> and perennial rhizomatous derivatives of these species)	0
Quackgrass ( <i>Elytrigia Repens</i> )	0
Annual Bluegrass ( <i>Poa annua</i> )	120
Buckhorn Plantain ( <i>Plantago lanceolata</i> )	120
Corncockle ( <i>Agrostemma githago</i> )	18
Dodder ( <i>Cuscuta</i> spp.)	18
Giant Foxtail ( <i>Setaria faberii</i> )	18
Oxeye Daisy ( <i>Chrysanthemum leucanthemum</i> )	120
Sorrel ( <i>Rumex acetosella</i> )	120
Wild Onion and Wild Garlic ( <i>Allium</i> spp.)	18

\* Seed or seed mixtures that contain in excess of 120 total noxious seeds per pound is prohibited

Wildflower seed shall not be planted until approved by the MCL.

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<b>REQUIREMENTS FOR SEEDS</b>			
	Purity (Min. %)	Germination (Min. %) Including Hard Seed and Dormant Seed	Hard Seed (Max. %) Allowed in Germination
<b>Grasses</b>			
Bentgrass ( <i>Argrostis palustris</i> )	98	85	-
Bermudagrass, common ( <i>Cynodon dactylon</i> )	97	85	-
Bluegrass, Kentucky ( <i>Poa pratensis</i> )	98	85	-
Brome, smooth ( <i>Bromus inermis</i> )	95	80	-
Canarygrass, reed ( <i>Phalaris arundinacea</i> )	95	80	-
Fescue, chewings ( <i>Festuca rubra</i> var. <i>commutata</i> )	97	85	-
Fescue, hard ( <i>Festuca trachyphlla</i> )	97	85	-
Fescue, meadow ( <i>Festuca elatior</i> )	97	85	-
Fescue, red ( <i>Festuca rubra</i> )	97	85	-
Fescue, tall ( <i>Festuca arundinacca</i> )	97	85	-
Orchardgrass ( <i>Dactylis glomerata</i> )	97	85	-
Redtop ( <i>Agrostic alba</i> )	95	80	-
Ryegrass, annual, common or Italian ( <i>Lolium multiflorum</i> )	97	85	-
Ryegrass, perennial ( <i>Lolium perenne</i> )	97	85	-
Lovegrass, Weeping ( <i>Eragrostic curvula</i> )	96	80	-
Oat ( <i>Avena Sativa</i> )	98	85	-
Rye ( <i>Secale cereale</i> )	98	85	-
Timothy ( <i>Phleum pratense</i> )	98	85	-
Wheat, common ( <i>Triticum aestivum</i> )	98	85	-
<b>Legumes</b>			
Alfalfa ( <i>Medicago sativa</i> )	98	85	25
Clover, alsike ( <i>Trifolium hybridum</i> )	97	85	25
Clover, ladino ( <i>Trifolium repens</i> )	98	85	25
Clover, white ( <i>Trifolium repens</i> )	98	85	25
Crownvetch ( <i>Coronilla varia</i> )	97	85	25
Lespedeza, Korean ( <i>Lespedeza stipulacea</i> )	97	85	20
Lespedeza, Sericea ( <i>Lespedeza cuneata</i> )	97	85	20
Sweetclover, white ( <i>Melilotus alba</i> )	98	85	25
Sweetclover, yellow ( <i>Melilotus officinalis</i> )	98	85	25
Trefoil, birdsfoot ( <i>Lotus corniculatus</i> )	97	85	25
<b>Native Grasses</b>			
Little Bluestem ( <i>Schizachyrium scoparium</i> )	85	80	-
Big Blustem ( <i>Andropogon gerardii</i> )	85	80	-
Indian Grass ( <i>Sorghastrum nutans</i> )	85	80	-
Switchgrass ( <i>Panicum virgatum</i> )	85	80	-

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<p><b>SUBSECTION:</b> 827.07 EROSION CONTROL BLANKET. <b>REVISION:</b> Replace the subsection with the following:</p>	<p>827.07 EROSION CONTROL BLANKET. Use a blanket from the Department's List of Approved Materials. Blankets must be machine constructed with two-sided netting filled with curled wood fiber mat, straw, or a straw and coconut fiber combination. Ensure the blanket is smolder resistant without the use of chemical additives.</p> <p>A) Dimensions. Furnish in strips with a minimum width of 4 feet and length of 50 feet. B) Weight.</p> <p>1) Curled Wood Fiber. Ensure a minimum mass per unit area of 7.25 ounce per square yard according to ASTM D 6475. 2) Straw. Ensure a minimum mass per unit area of 7.5 ounce per square yard according to ASTM D 6475. 3) Straw/Coconut Fiber. Ensure a minimum mass per unit area of 6.75 pounds per square yard according to ASTM D 6475.</p> <p>C) Fill. Ensure the fill is evenly distributed throughout the blanket.</p> <p>1) Curled Wood Fiber. Use curled wood fiber of consistent thickness with at least 80 percent of its fibers 6 inches or longer in length. 2) Straw. Use only weed free agricultural straw. 3) Straw/Coconut Fiber. Conform to the straw requirements above and ensure the coconut fiber is evenly distributed throughout the blanket and accounts for 30% or more of the fill.</p> <p>D) Netting. Use photodegradable extruded plastic mesh or netting, with a maximum spacing width of one inch square, on both sides of the blanket. Secure the netting by stitching or other method to ensure the blanket retains its integrity. E) Staples. Use steel wire U-shaped staples with a minimum diameter of 0.09 inches (11 gauge), a minimum width of one inch, and a minimum length of 6 inches. Use a heavier gauge when working in rocky or clay soils and longer lengths in sandy soils. Provide staples with colored tops when requested by the Engineer. F) Performance.</p> <p>1) C-Factor. Ensure the ratio of soil loss from protected slope to ratio of soil loss from unprotected is <math>\leq 0.15</math> for a slope of 3:1 when tested according to ECTC method 2. 2) Shear Stress. Ensure the blanket can sustain a minimum shear stress of 1.75 pounds per square foot without physical damage or excess erosion (<math>&gt; 0.5</math> inches soil loss) when tested according to ECTC Method 3.</p>
<p><b>SUBSECTION:</b> 828.02 APPROVAL. <b>REVISION:</b> Add the following:</p>	<p>The Department will continue to include the masonry coatings on the list contingent upon receiving an annual certification containing the following information:</p> <p>1) A statement that the masonry coating to be furnished during the particular calendar year is of the same composition as that previously approved for inclusion on the approved list. 2) A statement that the masonry coating conforms to the appropriate requirements of the Kentucky Standard Specifications for Road and Bridge Construction. 3) A statement that notification will be made to the Division of Materials of any changes in composition for review and approval before furnishing the material to projects.</p>
<p><b>SUBSECTION:</b> 843.01.02 Acceptance Procedures for Non-Specification Fabric. <b>TABLE:</b> GRAB STRENGTH PAYMENT REDUCTION <b>REVISION:</b> Add the following note:</p>	<p>The Department will use the lowest value of MACHINE and CROSS for the reduction calculation.</p>

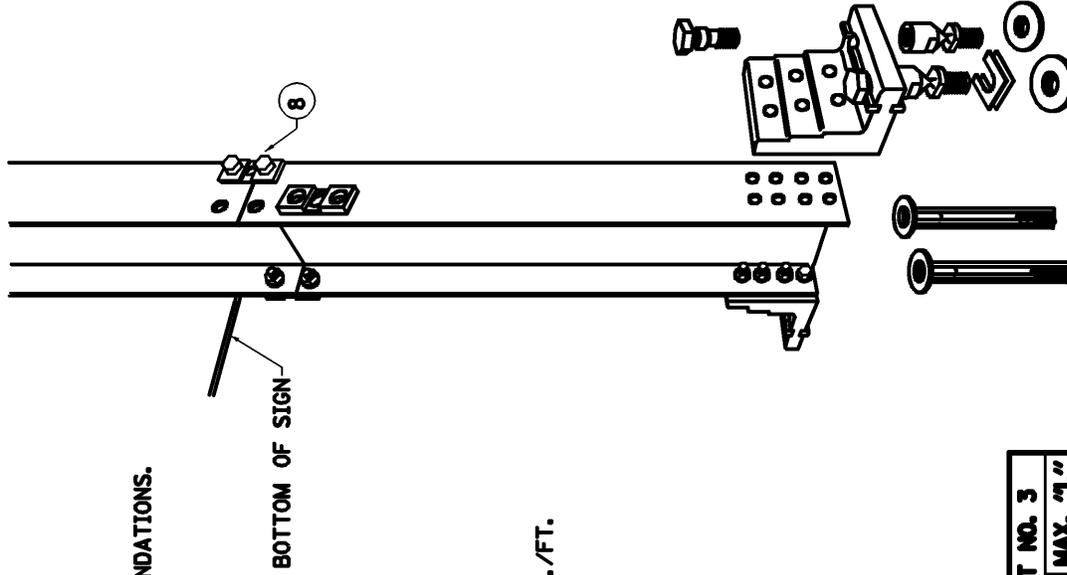
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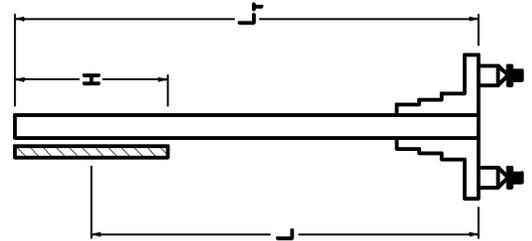
<b>SUBSECTION:</b> 844.02.01 Fly Ash. <b>PART:</b> 1) <b>REVISION:</b> Delete the last sentence.
<b>SUBSECTION:</b> 844.02.01 Fly Ash. <b>REVISION:</b> Replace the subsection with the following:  844.02.01 Fly Ash. Select from the Department's List of Approved Materials for fly ash sources. To be placed on the list, furnish samples and ASTM C 618 test data developed over the previous 3 months, and confirm to the requirements in KM 64-325.

~NOTES~

1. BREAKAWAY SIGN SUPPORT SYSTEM FOR TYPE C BEAM SHALL BE SELECTED FROM THE KENTUCKY DEPARTMENT OF HIGHWAYS APPROVED LIST FOR BREAKAWAY SIGN SUPPORT SYSTEMS OR AN APPROVED EQUAL. ACCEPTABLE ALTERNATE BREAKAWAY SIGN SUPPORT SYSTEMS SHALL BE APPROVED BY THE DIVISION OF HIGHWAY DESIGN AND FHWA PRIOR TO INSTALLATION.
2. SELECTION OF THE PROPER BRACKET NUMBER SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
3. ALL HARDWARE ITEMS SUPPLIED ARE AMERICAN STANDARD SIZES AND SHALL BE GALVANIZED AND CONFORM TO ASTM A153 OR ASTM B695.
4. FASTENERS, EXCEPT FOR SPECIAL BOLT AND COUPLINGS, ARE INSTALLED WITH LOCKWASHERS, AND DO NOT HAVE SPECIFIC TORQUE REQUIREMENTS. FASTENERS SHALL BE SECURED AS TIGHT AS POSSIBLE WITH CONVENTIONAL WRENCHES, UNLESS NOTED OTHERWISE.
5. SQUARE UP AND LEVEL INDIVIDUAL COMPONENTS, PARTICULARLY ANCHORS TO MINIMIZE THE NEED FOR SHIMMING BETWEEN THE COUPLINGS AND ANCHORS.
6. NO MORE THAN TWO SHIMS SHALL BE PLACED UNDER ANY ONE COUPLING.
7. NO MORE THAN THREE SHIMS UNDERNEATH ANY PAIR OF COUPLINGS.
8. THE CONTRACTOR SHALL FURNISH TWO (2) COMPLETE SETS OF SHOP PLANS FOR APPROVAL BY THE ENGINEER A MINIMUM OF TWO WEEKS PRIOR TO INSTALLATION.
9. THE HINGE SHOULD BE AT LEAST 7'-0" ABOVE THE GROUND.
10. A SINGLE POST IF 7'-0" OR MORE FROM ANOTHER POST, SHALL HAVE A WEIGHT LESS THAN 45 LB./FT. TOTAL WEIGHT BELOW THE HINGE, BUT ABOVE THE SHEAR PLATE OF THE BREAKAWAY BASE, SHOULD NOT EXCEED 600 LB.
11. FOR TWO POSTS SPACED LESS THAN 7'-0" APART, EACH POST SHOULD HAVE A WEIGHT LESS THAN 18 LB./FT. COUPLINGS SHALL NOT BE USED IN SIGN STRUCTURES WITH THREE SUPPORTS OR MORE IF POSTS ARE CLOSER THAN 7'-0" APART.
12. REFER TO DETAIL SHEET "FOOTING DETAILS FOR TYPE C BEAM" FOR FOOTER DETAILS.



$L = L_T - H/2$

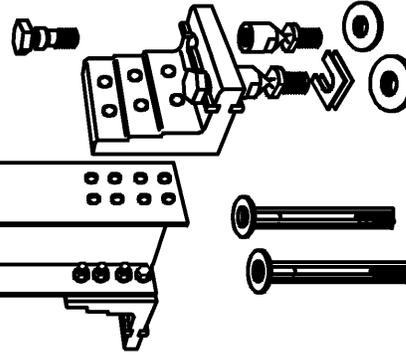


~ ELEVATION VIEW ~

BRACKET SELECTION TABLE

I-BEAM POST SIZE	BRACKET NO. 1		BRACKET NO. 2		BRACKET NO. 3	
	MIN. "L"	MAX. "L"	MIN. "L"	MAX. "L"	MIN. "L"	MAX. "L"
6"	12'-0"	29'-0"	9'-0"	12'-0"	0	9'-0"
8"	14'-0"	29'-0"	10'-0"	14'-0"	0	10'-0"
10"	16'-0"	29'-0"	11'-0"	16'-0"	0	11'-0"
12"	18'-0"	29'-0"	13'-0"	18'-0"	0	13'-0"
14"	19'-0"	29'-0"	14'-0"	19'-0"	0	14'-0"
16"	21'-0"	29'-0"	15'-0"	21'-0"	0	15'-0"
18"	23'-0"	29'-0"	16'-0"	23'-0"	0	16'-0"
21"	25'-0"	29'-0"	18'-0"	25'-0"	0	18'-0"

~ PICTORIAL VIEW ~

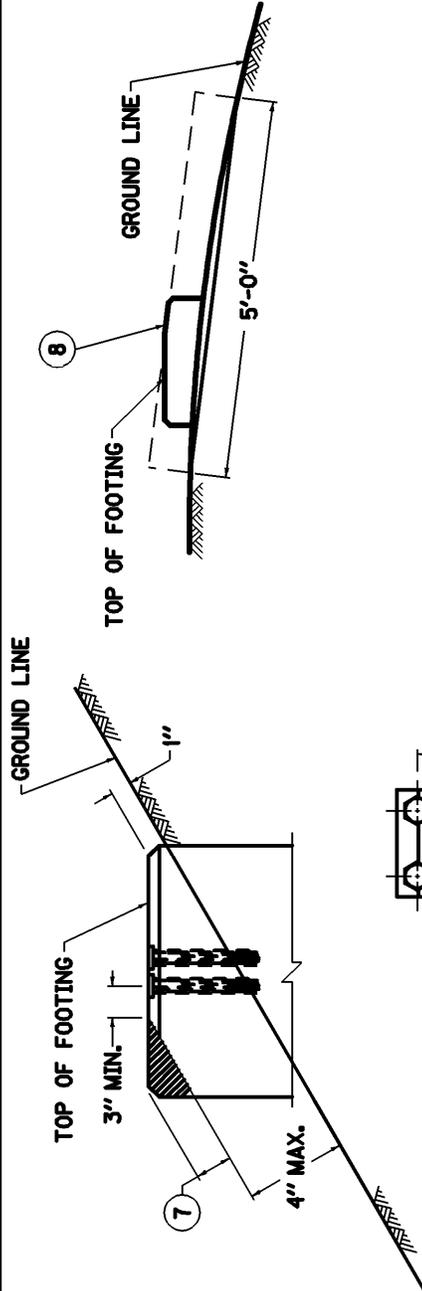


KENTUCKY DEPARTMENT OF HIGHWAYS  
**BREAKAWAY SIGN SUPPORT SYSTEM FOR TYPE C BEAM**  
 Contract ID 07-044  
 09 of 09  
 6-6-2005  
 SUBMITTED TO: [Signature] COUNTY DESIGN

COUNTY OF	ITEM NO.	SHEET NO.

**FOOTING SELECTION TABLE**

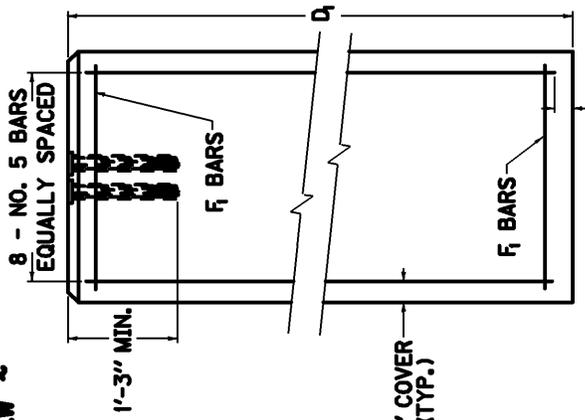
POST SIZE	L <sub>1</sub> DIA.	D <sub>1</sub> DEPTH	STEEL F. BARS		CONC. CUL YD.
			QTY	SIZE	
W6	2'-0"	5'-0"	5	#4	0.58
W8	2'-6"	7'-0"	7	#4	1.27
W10	3'-0"	8'-0"	8	#4	2.09
W12	3'-0"	8'-0"	8	#4	2.09
W14	3'-0"	9'-0"	9	#4	2.36
W16	3'-6"	9'-0"	9	#4	3.21
W18	3'-5"	9'-0"	9	#4	3.21
W21	4'-0"	9'-0"	9	#4	4.19



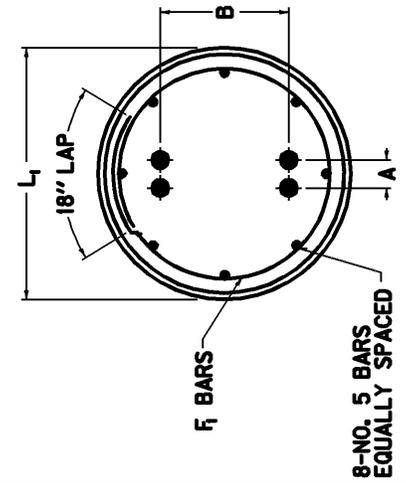
**~NOTES~**

1. ENTER FOOTING SELECTION TABLE WITH REQUIRED POST SIZE AND FIND REQUIRED FOOTING VALUES AS SHOWN IN DETAILS.
2. THE ANCHOR SHALL BE 304 STAINLESS STEEL WITH 1053 STEEL ROD AND COIL.
3. FORM TOP 1'-0" OF THE FOOTING.
4. USE CLASS "A" CONCRETE IN ALL FOOTINGS.
5. ACTUAL DIMENSIONS 'A' & 'B' SHOULD BE OBTAINED FROM THE MANUFACTURER OR MEASURED FROM THE ASSEMBLED BRACKET'S PRIOR TO PLACEMENT OF ANCHORS.
6. TO INSURE PROPER SPACING AND ALIGNMENT OF ANCHORS, IT IS RECOMMENDED THAT ALL ANCHORS BE HELD IN PLACE BY A RIGID TEMPLATE WHILE THE CONCRETE IS PLACED AND CURED.
7. FOOTING PROJECTIONS ABOVE GROUND LINE SHALL BE MINIMIZED. THE MAXIMUM PERMISSIBLE FOOTING PROJECTION SHALL BE 4" ON THE LOWER SLOPE SIDE. WHERE NECESSARY, THE SHADED AREA OF THE FOOTING SHALL BE REMOVED AND REINFORCEMENT SHALL BE BENT TO FIT.
8. THE TOP OF THE FOOTING SHALL NOT PROJECT MORE THAN 4" ABOVE ANY 5'-0" CHORD ALIGNED PERPENDICULAR TO THE EDGE OF THE ROADWAY BETWEEN A POINT ON THE GROUND SURFACE ON ONE SIDE OF THE SUPPORT TO A POINT ON THE GROUND SURFACE ON THE OTHER SIDE OF THE SUPPORT.

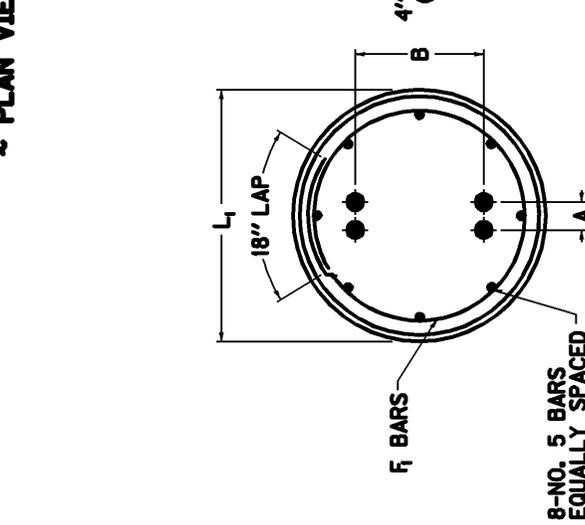
**~ PLAN VIEW ~**



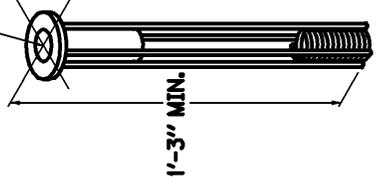
**~ TOP VIEW ~**



**~ SIDE VIEW ~**



1" - 8 N.C. (0.5 OVERSIZED)  
X 1/8" MIN. THREAD DEPTH (2)



**~ ANCHOR PICTORIAL VIEW ~**

KENTUCKY  
DEPARTMENT OF HIGHWAYS

**FOOTING DETAILS  
FOR  
TYPE C BEAM**

Contract ID 075044  
Page 11 of 19  
6-6-2009

Submitted by [Signature] 6-6-2009

## **PART III**

### **EMPLOYMENT, WAGE AND RECORD REQUIREMENTS**

**REQUIRED CONTRACT PROVISIONS  
FEDERAL-AID CONSTRUCTION CONTRACTS**

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ATTACHMENTS

- A. Employment Preference for Appalachian Contracts  
(included in Appalachian contracts only)

**I. GENERAL**

1. These contract provisions shall apply to all work performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract.

2. Except as otherwise provided for in each section, the contractor shall insert in each subcontract all of the stipulations contained in these Required Contract Provisions, and further require their inclusion in any lower tier subcontract or purchase order that may in turn be made. The Required Contract Provisions shall not be incorporated by reference in any case. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with these Required Contract Provisions.

3. A breach of any of the stipulations contained in these Required Contract Provisions shall be sufficient grounds for termination of the contract.

4. A breach of the following clauses of the Required Contract Provisions may also be grounds for debarment as provided in 29 CFR 5.12:

- Section I, paragraph 2;
- Section IV, paragraphs 1, 2, 3, 4, and 7;
- Section V, paragraphs 1 and 2a through 2g.

5. Disputes arising out of the labor standards provisions of Section IV (except paragraph 5) and Section V of these Required Contract Provisions shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the U.S. Department of Labor (DOL) as set forth in 29 CFR 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the DOL, or the contractor's employees or their representatives.

6. **Selection of Labor:** During the performance of this contract, the contractor shall not:

a. discriminate against labor from any other State, possession, or territory of the United States (except for employment preference for Appalachian contracts, when applicable, as specified in Attachment A), or

b. employ convict labor for any purpose within the limits of the project unless it is labor performed by convicts who are on parole, supervised release, or probation.

**II. NONDISCRIMINATION**

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

1. **Equal Employment Opportunity:** Equal employment opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (28 CFR 35, 29 CFR 1630 and 41 CFR 60) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140 shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The Equal Opportunity Construction Contract Specifications set forth under 41 CFR 60-4.3 and the provisions of the American Disabilities Act of 1990 (42 U.S.C. 12101 *et seq.*) set forth under 28 CFR 35 and 29 CFR 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the State highway agency (SHA) and the Federal Government in carrying out EEO obligations and in their review of his/her activities under the contract.

b. The contractor will accept as his operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, preapprenticeship, and/or on-the-job training."

2. **EEO Officer:** The contractor will designate and make known to the SHA contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active contractor program of EEO and who must be assigned adequate authority and responsibility to do so.

3. **Dissemination of Policy:** All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minority group employees.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. **Recruitment:** When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minority groups in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority group applicants. To meet this requirement, the contractor will identify sources of potential minority group employees, and establish with such identified sources procedures whereby minority group applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he is expected to observe the provisions of that agreement to the extent that the system permits the contractor's compliance with EEO contract provisions. (The DOL has held that where implementation of such agreements have the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Executive Order 11246, as amended.)

c. The contractor will encourage his present employees to refer minority group applicants for employment. Information and procedures with regard to referring minority group applicants will be discussed with employees.

5. **Personnel Actions:** Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with his obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of his avenues of appeal.

#### 6. **Training and Promotion:**

a. The contractor will assist in locating, qualifying, and increasing the skills of minority group and women employees, and applicants for employment.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance. Where feasible, 25 percent of apprentices or trainees in each occupation shall be in their first year of apprenticeship or training. In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision.

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of minority group and women employees and will encourage eligible employees to apply for such training and promotion.

7. **Unions:** If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minority groups and women within the unions, and to effect referrals by such unions of minority and female employees. Actions by the contractor either directly or through a contractor's association acting as agent will include the procedures set forth below:

a. The contractor will use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority group members and women for membership in the unions and increasing the skills of minority group employees and women so that they may qualify for higher paying employment.

b. The contractor will use best efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the SHA and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of minority and women referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin,

age or disability; making full efforts to obtain qualified and/or qualifiable minority group persons and women. (The DOL has held that it shall be no excuse that the union with which the contractor has a collective bargaining agreement providing for exclusive referral failed to refer minority employees.) In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the SHA.

**8. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:** The contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment.

a. The contractor shall notify all potential subcontractors and suppliers of his/her EEO obligations under this contract.

b. Disadvantaged business enterprises (DBE), as defined in 49 CFR 23, shall have equal opportunity to compete for and perform subcontracts which the contractor enters into pursuant to this contract. The contractor will use his best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority group and female representation among their employees. Contractors shall obtain lists of DBE construction firms from SHA personnel.

c. The contractor will use his best efforts to ensure subcontractor compliance with their EEO obligations.

**9. Records and Reports:** The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of the SHA and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women;

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and

(4) The progress and efforts being made in securing the services of DBE subcontractors or subcontractors with meaningful minority and female representation among their employees.

b. The contractors will submit an annual report to the SHA each July for the duration of the project, indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on Form FHWA-1391. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data.

### III. NONSEGREGATED FACILITIES

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$10,000 or more.)

a. By submission of this bid, the execution of this contract or subcontract, or the consummation of this material supply agreement or purchase order, as appropriate, the bidder, Federal-aid construction contractor, subcontractor, material supplier, or vendor, as appropriate, certifies that the firm does not maintain or provide for its employees any segregated facilities at any of its establishments, and that the firm does not permit its employees to perform their services at any location, under its control, where segregated facilities are maintained. The firm agrees that a breach of this certification is a violation of the EEO provisions of this contract. The firm further certifies that no employee will be denied access to adequate facilities on the basis of sex or disability.

b. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, timeclocks, locker rooms, and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive, or are, in fact, segregated on the basis of race, color, religion, national origin, age or disability, because of habit, local custom, or otherwise. The only exception will be for the disabled when the demands for accessibility override (e.g. disabled parking).

c. The contractor agrees that it has obtained or will obtain identical certification from proposed subcontractors or material suppliers prior to award of subcontracts or consummation of material supply agreements of \$10,000 or more and that it will retain such certifications in its files.

### IV. PAYMENT OF PREDETERMINED MINIMUM WAGE

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural minor collectors, which are exempt.)

#### 1. General:

a. All mechanics and laborers employed or working upon the site of the work will be paid unconditionally and not less often than once a week and without subsequent deduction or rebate on any account [except such payroll deductions as are permitted by regulations (29 CFR 3) issued by the Secretary of Labor under the Copeland Act (40 U.S.C. 276c)] the full amounts of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment. The payment shall be computed at wage rates not less than those contained in the wage determination of the Secretary of Labor (hereinafter "the wage determination") which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor or its subcontractors and such laborers and mechanics. The wage determination (including any additional classifications and wage rates conformed under paragraph 2 of this Section IV and the DOL poster (WH-1321) or Form FHWA-1495) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. For the purpose of this Section, contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act (40 U.S.C. 276a) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of Section IV, paragraph 3b, hereof. Also, for the purpose of this Section, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs, which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics

shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in paragraphs 4 and 5 of this Section IV.

b. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein, provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed.

c. All rulings and interpretations of the Davis-Bacon Act and related acts contained in 29 CFR 1, 3, and 5 are herein incorporated by reference in this contract.

## 2. Classification:

a. The SHA contracting officer shall require that any class of laborers or mechanics employed under the contract, which is not listed in the wage determination, shall be classified in conformance with the wage determination.

b. The contracting officer shall approve an additional classification, wage rate and fringe benefits only when the following criteria have been met:

(1) the work to be performed by the additional classification requested is not performed by a classification in the wage determination;

(2) the additional classification is utilized in the area by the construction industry;

(3) the proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination; and

(4) with respect to helpers, when such a classification prevails in the area in which the work is performed.

c. If the contractor or subcontractors, as appropriate, the laborers and mechanics (if known) to be employed in the additional classification or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the DOL, Administrator of the Wage and Hour Division, Employment Standards Administration, Washington, D.C. 20210. The Wage and Hour Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

d. In the event the contractor or subcontractors, as appropriate, the laborers or mechanics to be employed in the additional classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Wage and Hour Administrator for determination. Said Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary

e. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 2c or 2d of this Section IV shall be paid to all workers performing work in the additional classification from the first day on which work is performed in the classification.

## 3. Payment of Fringe Benefits:

a. Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor or subcontractors, as appropriate, shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly case equivalent thereof.

b. If the contractor or subcontractor, as appropriate, does not make payments to a trustee or other third person, he/she may consider as a part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

## 4. Apprentices and Trainees (Programs of the U.S. DOL) and Helpers:

### a. Apprentices:

(1) Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the DOL, Employment and Training Administration, Bureau of Apprenticeship and Training, or with a State apprenticeship agency recognized by the Bureau, or if a person is employed in his/her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Bureau of Apprenticeship and Training or a State apprenticeship agency (where appropriate) to be eligible for probationary employment as an apprentice.

(2) The allowable ratio of apprentices to journeyman-level employees on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any employee listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the applicable wage rate listed in the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor or subcontractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman-level hourly rate) specified in the contractor's or subcontractor's registered program shall be observed.

(3) Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable

classification. If the Administrator for the Wage and Hour Division determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination.

(4) In the event the Bureau of Apprenticeship and Training, or a State apprenticeship agency recognized by the Bureau, withdraws approval of an apprenticeship program, the contractor or subcontractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the comparable work performed by regular employees until an acceptable program is approved.

b. Trainees:

(1) Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the DOL, Employment and Training Administration.

(2) The ratio of trainees to journeyman-level employees on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(3) Every trainee must be paid at not less than the rate specified in the approved program for his/her level of progress, expressed as a percentage of the journeyman-level hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman-level wage rate on the wage determination which provides for less than full fringe benefits for apprentices, in which case such trainees shall receive the same fringe benefits as apprentices.

(4) In the event the Employment and Training Administration withdraws approval of a training program, the contractor or subcontractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

c. Helpers:

Helpers will be permitted to work on a project if the helper classification is specified and defined on the applicable wage determination or is approved pursuant to the conformance procedure set forth in Section IV.2. Any worker listed on a payroll at a helper wage rate, who is not a helper under an approved definition, shall be paid not less than the applicable wage rate on the wagedetermination for the classification of work actually performed.

**5. Apprentices and Trainees (Programs of the U.S. DOT):**

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of

Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeymen shall not be greater than permitted by the terms of the particular program.

**6. Withholding:**

The SHA shall upon its own action or upon written request of an authorized representative of the DOL withhold, or cause to be withheld, from the contractor or subcontractor under this contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to Davis-Bacon prevailing wage requirements which is held by the same prime contractor, as much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the work, all or part of the wages required by the contract, the SHA contracting officer may, after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

**7. Overtime Requirements:**

No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers, mechanics, watchmen, or guards (including apprentices, trainees, and helpers described in paragraphs 4 and 5 above) shall require or permit any laborer, mechanic, watchman, or guard in any workweek in which he/she is employed on such work, to work in excess of 40 hours in such workweek unless such laborer, mechanic, watchman, or guard receives compensation at a rate not less than one-and-one-half times his/her basic rate of pay for all hours worked in excess of 40 hours in such workweek.

**8. Violation:**

Liability for Unpaid Wages; Liquidated Damages: In the event of any violation of the clause set forth in paragraph 7 above, the contractor and any subcontractor responsible thereof shall be liable to the affected employee for his/her unpaid wages. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory) for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer, mechanic, watchman, or guard employed in violation of the clause set forth in paragraph 7, in the sum of \$10 for each calendar day on which such employee was required or permitted to work in excess of the standard work week of 40 hours without payment of the overtime wages required by the clause set forth in paragraph 7.

**9. Withholding for Unpaid Wages and Liquidated Damages:**

The SHA shall upon its own action or upon written request of any authorized representative of the DOL withhold, or cause to be withheld, from any monies payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other Federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any

liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph 8 above.

## V. STATEMENTS AND PAYROLLS

(Applicable to all Federal-aid construction contracts exceeding \$2,000 and to all related subcontracts, except for projects located on roadways classified as local roads or rural collectors, which are exempt.)

### 1. Compliance with Copeland Regulations (29 CFR 3):

The contractor shall comply with the Copeland Regulations of the Secretary of Labor which are herein incorporated by reference.

### 2. Payrolls and Payroll Records:

a. Payrolls and basic records relating thereto shall be maintained by the contractor and each subcontractor during the course of the work and preserved for a period of 3 years from the date of completion of the contract for all laborers, mechanics, apprentices, trainees, watchmen, helpers, and guards working at the site of the work.

b. The payroll records shall contain the name, social security number, and address of each such employee; his or her correct classification; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalent thereof the types described in Section 1(b)(2)(B) of the Davis Bacon Act); daily and weekly number of hours worked; deductions made; and actual wages paid. In addition, for Appalachian contracts, the payroll records shall contain a notation indicating whether the employee does, or does not, normally reside in the labor area as defined in Attachment A, paragraph 1. Whenever the Secretary of Labor, pursuant to Section IV, paragraph 3b, has found that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in Section 1(b)(2)(B) of the Davis Bacon Act, the contractor and each subcontractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, that the plan or program has been communicated in writing to the laborers or mechanics affected, and show the cost anticipated or the actual cost incurred in providing benefits. Contractors or subcontractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprentices and trainees, and ratios and wage rates prescribed in the applicable programs.

c. Each contractor and subcontractor shall furnish, each week in which any contract work is performed, to the SHA resident engineer a payroll of wages paid each of its employees (including apprentices, trainees, and helpers, described in Section IV, paragraphs 4 and 5, and watchmen and guards engaged on work during the preceding weekly payroll period). The payroll submitted required to be maintained under paragraph 2b of this Section V. This information may be submitted in any form desired. Optional Form WH-347 is available for this purpose and may be purchased from the Superintendent of Documents (Federal stock number 029-005-0014-1), U.S. Government Printing Office, Washington, D.C. 20402. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors.

d. Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his/her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) that the payroll for the payroll period contains the information required to be maintained under paragraph 2b of this Section V and that such information is correct and complete;

(2) that such laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in the Regulations, 29 CFR 3;

(3) that each laborer or mechanic has been paid not less than the applicable wage rate and fringe benefits or cash equivalent for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

e. The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 2d of this Section V.

f. The falsification of any of the above certifications may subject the contractor to civil or criminal prosecution under 18 U.S.C. 1001 and 31 U.S.C. 231.

g. The contractor or subcontractor shall make the records required under paragraph 2b of this Section V available for inspection, copying, or transcription by authorized representatives of the SHA, the FHWA, or the DOL, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the SHA, the FHWA, the DOL, or all may, after written notice to the contractor, sponsor, applicant, or owner, take such actions as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

## VI. RECORD OF MATERIALS, SUPPLIES, AND LABOR

1. On all Federal-aid contracts on the National Highway System, except those which provide solely for the installation of protective devices at railroad grade crossings, those which are constructed on a force account or direct labor basis, highway beautification contracts, and contracts for which the total final construction cost for roadway and bridge is less than \$1,000,000 (23 CFR 635) the contractor shall:

a. Become familiar with the list of specific materials and supplies contained in Form FHWA-47, "Statement of Materials and Labor Used by Contractor of Highway Construction Involving Federal Funds," prior to the commencement of work under this contract.

b. Maintain a record of the total cost of all materials and supplies purchased for and incorporated in the work, and also of the quantities of those specific materials and supplies listed on Form FHWA-47, and in the units shown on Form FHWA-47.

c. Furnish, upon the completion of the contract, to the SHA resident engineer on Form FHWA-47 together with the data required in paragraph 1b relative to materials and supplies, a final labor summary of all contract work indicating the total hours worked and the total amount earned.

2. At the prime contractor's option, either a single report covering all contract work or separate reports for the contractor and for each subcontract shall be submitted.

## VII. SUBLETTING OR ASSIGNING THE CONTRACT

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the State. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635).

a. "Its own organization" shall be construed to include only workers employed and paid directly by the prime contractor and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor, assignee, or agent of the prime contractor.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid on the contract as a whole and in general are to be limited to minor components of the overall contract.

2. The contract amount upon which the requirements set forth in paragraph 1 of Section VII is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. The contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the SHA contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the SHA contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the SHA has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract.

## VIII. SAFETY: ACCIDENT PREVENTION

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the SHA contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and health standards (29 CFR 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 333).

## IX. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, the following notice shall be posted on each Federal-aid highway project (23 CFR 635) in one or more places where it is readily available to all persons concerned with the project:

### NOTICE TO ALL PERSONNEL ENGAGED ON FEDERAL-AID HIGHWAY PROJECTS

18 U.S.C. 1020 reads as follows:

*"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or*

*Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or*

*Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 1, 1916, (39 Stat. 355), as amended and supplemented;*

*Shall be fined not more than \$10,000 or imprisoned not more than 5 years or both."*

## X. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT

(Applicable to all Federal-aid construction contracts and to all related subcontracts of \$100,000 or more.)

By submission of this bid or the execution of this contract, or subcontract, as appropriate, the bidder, Federal-aid construction contractor, or subcontractor, as appropriate, will be deemed to have stipulated as follows:

1. That any facility that is or will be utilized in the performance of this contract, unless such contract is exempt under the Clean Air Act, as amended (42 U.S.C. 1857 et seq., as amended by Pub.L. 91-604), and under the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251 et seq., as amended by Pub.L. 92-500), Executive Order 11738, and regulations in implementation thereof (40 CFR 15) is not listed, on the date of contract award, on the U.S. Environmental Protection Agency (EPA) List of Violating Facilities pursuant to 40 CFR 15.20.

2. That the firm agrees to comply and remain in compliance with all the requirements of Section 114 of the Clean Air Act and Section 308 of the Federal Water Pollution Control Act and all regulations and guidelines listed thereunder.

3. That the firm shall promptly notify the SHA of the receipt of any communication from the Director, Office of Federal Activities, EPA, indicating that a facility that is or will be utilized for the contract is under consideration to be listed on the EPA List of Violating Facilities.

4. That the firm agrees to include or cause to be included the requirements of paragraph 1 through 4 of this Section X in every nonexempt subcontract, and further agrees to take such action as the government may direct as a means of enforcing such requirements.

#### **XI. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION**

##### **1. Instructions for Certification - Primary Covered Transactions:**

(Applicable to all Federal-aid contracts - 49 CFR 29)

a. By signing and submitting this proposal, the prospective primary participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective primary participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the department or agency determined to enter into this transaction. If it is later determined that the prospective primary participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause of default.

d. The prospective primary participant shall provide immediate written notice to the department or agency to whom this proposal is submitted if any time the prospective primary participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "lower tier covered transaction," "participant," "person," "primary covered transaction," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the department or agency to which

this proposal is submitted for assistance in obtaining a copy of those regulations.

f. The prospective primary participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction.

g. The prospective primary participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the nonprocurement portion of the "Lists of Parties Excluded From Federal Procurement or Nonprocurement Programs" (Nonprocurement List) which is compiled by the General Services Administration.

i. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph f of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default.

\* \* \* \* \*

**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Primary Covered Transactions**

1. The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:

a. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

b. Have not within a 3-year period preceding this proposal been convicted of or had a civil judgement rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

c. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 1b of this certification; and

d. Have not within a 3-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

2. Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

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**2. Instructions for Certification - Lower Tier Covered Transactions:**

(Applicable to all subcontracts, purchase orders and other lower tier transactions of \$25,000 or more - 49 CFR 29)

a. By signing and submitting this proposal, the prospective lower tier is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "primary covered transaction," "participant," "person," "principal," "proposal," and "voluntarily excluded," as used in this clause, have the meanings set out in the Definitions and Coverage sections of rules implementing Executive Order 12549. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations.

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant may decide the method and frequency by which it determines the eligibility of its principals. Each participant may, but is not required to, check the Nonprocurement List.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment.

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**Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Covered Transactions:**

1. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.

2. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

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**XII. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING**

(Applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000 - 49 CFR 20)

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and

submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

**KENTUCKY TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS**

**EMPLOYMENT REQUIREMENTS  
RELATING TO  
NONDISCRIMINATION OF EMPLOYEES  
(APPLICABLE TO FEDERAL-AID SYSTEM CONTRACTS)**

**AN ACT OF THE KENTUCKY GENERAL ASSEMBLY  
TO PREVENT DISCRIMINATION IN EMPLOYMENT**

**KRS CHAPTER 344  
EFFECTIVE JUNE 16, 1972**

The contract on this project, in accordance with KRS Chapter 344, provides that during the performance of this contract, the contractor agrees as follows:

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (between forty and seventy); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age (between forty and seventy). The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, disability or age (between forty and seventy), except that such notice or advertisement may indicate a preference, limitation, or specification based on religion, or national origin when religion, or national origin is a bona fide occupational qualification for employment.

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age (between forty and seventy), in admission to, or employment in any program established to

provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

REVISED: 12-3-92

## EXECUTIVE BRANCH CODE OF ETHICS

In the 1992 regular legislative session, the General Assembly passed and Governor Brereton Jones signed Senate Bill 63 (codified as KRS 11A), the Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (6) provides:

No present or former public servant shall, within six (6) months of following termination of his office or employment, accept employment, compensation or other economic benefit from any person or business that contracts or does business with the state in matters in which he was directly involved during his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved in state government. This subsection shall not prohibit the performance of ministerial functions, including, but not limited to, filing tax returns, filing applications for permits or licenses, or filing incorporation papers.

KRS 11A.040 (8) states:

A former public servant shall not represent a person in a matter before a state agency in which the former public servant was directly involved, for a period of one (1) year after the latter of:

- a) The date of leaving office or termination of employment; or
- b) The date the term of office expires to which the public servant was elected.

This law is intended to promote public confidence in the integrity of state government and to declare as public policy the idea that state employees should view their work as a public trust and not as a way to obtain private benefits.

If you have worked for the executive branch of state government within the past six months, you may be subject to the law's prohibitions. The law's applicability may be different if you hold elected office or are contemplating representation of another before a state agency.

Also, if you are affiliated with a firm which does business with the state and which employs former state executive-branch employees, you should be aware that the law may apply to them.

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, Room 136, Capitol Building, 700 Capitol Avenue, Frankfort, Kentucky 40601; telephone (502) 564-7954.

**TRANSPORTATION CABINET  
DIVISION OF CONSTRUCTION PROCUREMENT  
COMPLIANCE SECTION  
PROJECT WAGE RATES**

<b>HIGHWAY BASIC HOURLY RATES</b>	<b>FRINGE BENEFIT PAYMENTS COMBINED</b>
<b><u>CRAFTS:</u></b>	
Breckinridge County:	
Bricklayers .....	25.90.....10.70
Bullitt, Carroll, Grayson, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer and Trimble Counties:	
Bricklayers .....	22.93.....8.85
Bracken, Gallatin, Grant, Mason and Robertson Counties:	
Bricklayers .....	25.86.....9.49
Boyd, Carter, Elliott, Fleming, Greenup, Lewis and Rowan Counties:	
Bricklayers .....	25.49.....13.86
Anderson, Bath, Bourbon, Boyle, Clark, Fayette, Franklin, Harrison, Jessamine, Madison, Mercer, Montgomery, Nicholas, Owen, Scott, Washington and Woodford Counties:	
Bricklayers .....	22.93.....8.85
Bricklayers (Layout Men) .....	23.18.....8.85
Refractory/Acid Brick/Glass .....	23.43.....8.85
All Counties	
Carpenters: .....	23.60.....8.97
Divers .....	35.78.....8.97
Piledrivermen .....	23.85.....8.97
Bracken and Grant Counties:	
Millwrights.....	21.90.....7.92
Anderson, Bath, Bourbon, Boyle, Clark, Fayette, Franklin, Harrison, Jessamine, Madison, Mercer, Montgomery, Nicholas, Owen, Scott and Woodford Counties:	
Millwrights.....	21.75.....12.50
Boyd, Carter, Elliott, Fleming, Greenup, Lewis, Mason, Robertson, and Rowan Counties:	
Millwrights.....	29.25.....12.16
Breckinridge, Bullitt, Carroll, Gallatin, Grayson, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer, Trimble and Washington Counties:	
Millwrights.....	23.65.....14.22
Bracken, Gallatin and Grant Counties:	
Electricians.....	24.24.....9.34
Sound Communications:	
CablePuller.....	9.00.....2.64
Installer.....	18.00.....3.475

**TRANSPORTATION CABINET  
DIVISION OF CONSTRUCTION PROCUREMENT  
COMPLIANCE SECTION  
PROJECT WAGE RATES**

<b>HIGHWAY BASIC HOURLY RATES</b>	<b>FRINGE BENEFIT PAYMENTS COMBINED</b>
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**CRAFTS:** (continued)

Boyd, Carter, Elliott and Rowan Counties:

Electricians:

Cable Splicers .....	27.46	16.12
Electricians .....	26.15	16.08

Anderson, Bath, Bourbon, Boyle, Breckinridge, Bullitt, Carroll, Clark, Fayette, Franklin, Grayson, Hardin, Harrison, Henry, Jefferson, Jessamine, Larue, Madison, Marion, Meade, Mercer, Montgomery, Nelson, Nicholas, Oldham, Owen, Robertson, Scott, Shelby, Spencer, Trimble, Washington and Woodford Counties:

Electricians.....	25.91	23.5% + 4.55
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Fleming, Greenup, Lewis and Mason Counties:

Electricians.....	27.94	11.35
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Bourbon (Northern third, including Townships of Jackson, Millersburg, Ruddel Mills & Shawhan); Carroll (Eastern third, including the Township of Ghent); Fleming (Western part, excluding Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksville, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford); Mason (Western two-thirds, including Townships of Dover, Lewisburg, Mays Lick, Maysville, Minerva, Moranburg, Murphysville, Ripley, Sardis, Shannon, South Ripley & Washington);

Nicholas (Townships of Barefoot, Barterville, Carlisle, Ellisville, Headquarters, Henryville, Morningglory, Myers & Oakland Mills); Owen (Townships of Beechwood, Bromley, Fairbanks, Holbrook, Jonesville, Long Ridge, Lusby's Mill, New, New Columbus, New Liberty, Owenton, Poplar Grove, Rockdale, Sanders, Teresita & Wheatley); Scott (Northern two-thirds, including Townships of Biddle, Davis, Delaplain, Elmville, Longlick, Muddy Ford, Oxford, Rogers Gap, Sadieville, Skinnersburg & Stonewall) & Bracken, Gallatin, Grant, Harrison & Robertson Counties:

Ironworkers:

Fence Erector .....	22.52	15.35
Structural.....	25.02	15.35

Bourbon (Southern two-thirds, including Townships of Austerlity, Centerville, Clintonville, Elizabeth, Hutchison, Littlerock, North Middletown & Paris); Carroll (Western two-thirds, including Townships of Carrollton, Easterday, English, Locust, Louis, Prestonville & Worthville); Clark (Western two-thirds, including Townships of Becknerville, Flanagan, Ford, Pine Grove, Winchester & Wyandotte); Owen (Eastern eighth, including Townships of Glenmary, Gratz, Monterey, Perry Park & Tacketts Mill); Scott (Southern third, including Townships of Georgetown, Great Crossing, Newtown, Stamping Ground & Woodlake); Anderson, Boyle, Breckinridge, Bullitt, Fayette, Franklin, Grayson, Hardin, Henry, Jefferson,

**TRANSPORTATION CABINET  
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<b>HIGHWAY BASIC HOURLY RATES</b>	<b>FRINGE BENEFIT PAYMENTS COMBINED</b>
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**CRAFTS:** (continued)

Jessamine, Larue, Madison, Marion, Meade, Mercer, Nelson, Oldham, Shelby, Spencer, Trimble, Washington & Woodford Counties:

Ironworkers .....23.49.....15.99

Bourbon (Northern third, including Townships of Jackson, Millersburg, Ruddel Mills & Shawhan); Carroll (Eastern third, including the Townships of Ghent); Fleming (Western part, excluding Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksrige, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford); Mason (Western two-thirds, including Townships of Dover, Lewisburg, Mays Lick, Maysville, Minerva, Moranburg, Murphysville, Ripley, Sardis, Shannon, South Ripley & Washington); Nicholas (Townships of Barefoot, Barterville, Carlisle, Ellisville, Headquarters, Henryville, Morningglory, Myers & Oakland Mills); Owen (Townships of Beechwood, Bromley, Fairbanks, Holbrook, Jonesville, Long Ridge, Lusby's Mill, New, New Columbus, New Liberty, Owenton, Poplar Grove, Rockdale, Sanders, Teresita & Wheatley); Scott (Northern two-thirds, including Townships of Biddle, Davis, Delaplain, Elmville, Longlick, Muddy Ford, Oxford, Rogers Gap, Sadieville, Skinnersburg & Stonewall); Bracken, Gallatin, Grant, Harrison & Robertson Counties:

Ironworkers:

Up to and including 30- mile radius of Hamilton County, Ohio Courthouse .....23.70.....14.00

Beyond 30- mile radius of Hamilton County, Ohio Courthouse .....23.95.....14.00

Clark (Eastern third, including Townships of Bloomingdale, Hunt, Indian Fields, Kiddville, Loglick, Rightangele & Thomson); Fleming (Townships of Beechburg, Colfax, Elizaville, Flemingsburg, Flemingsburg Junction, Foxport, Grange City, Hillsboro, Hilltop, Mount Carmel, Muses Mills, Nepton, Pecksrige, Plummers Landing, Plummers Mill, Poplar Plains, Ringos Mills, Tilton & Wallingford); Mason (Eastern third, including Townships of Helena, Marshall, Orangeburg, Plumville & Springdale); Nicholas (Eastern eighth, including the Township of Moorefield Sprout); Bath, Boyd, Carter, Elliott, Greenup, Lewis, Montgomery & Rowan Counties:

Ironworkers:

Zone 1 .....26.87 .....15.82

Zone 2 .....27.27 .....15.82

Zone 3 .....28.87 .....15.82

Zone 1 - Up to 10 mi. radius of union hall, Ashland, KY, 1643 Greenup Avenue;

Zone 2 - 10 to 50 mi. radius of union hall;

Zone 3 - 50 mi. radius and beyond.

**TRANSPORTATION CABINET  
DIVISION OF CONSTRUCTION PROCUREMENT  
COMPLIANCE SECTION  
PROJECT WAGE RATES**

<b>HIGHWAY BASIC HOURLY RATES</b>	<b>FRINGE BENEFIT PAYMENTS COMBINED</b>
<b><u>CRAFTS:</u></b> (continued)	
Anderson, Breckinridge, Bullitt, Carroll, Grayson, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer, Trimble and Washington Counties:	
Painters:	
Brush & Roller .....	17.87 .....9.07
Spray, Sand Blast, Power Tools, Water Blast & Steam Cleaning .....	18.62 .....9.07
Bracken, Gallatin, Grant, Mason, and Owen Counties:	
Painters:	
(Heavy and Highway Bridges- Guardrails-Lightpoles-Striping):	
Bridge/Equipment Tender and Containment Builder .....	20.40 .....6.30
Brush and Roller .....	23.00 .....6.30
Elevated Tanks; Steeplejack Work; Bridge & Lead Abatement .....	
24.00 .....	6.30
Sand Blasting & Water Blasting .....	23.75 .....6.30
Spray .....	23.50 .....6.30
Bath, Bourbon, Boyle, Clark, Fayette, Fleming, Franklin, Harrison, Jessamine, Madison, Mercer, Montgomery, Nicholas, Robertson, Scott and Woodford Counties	
Painters:	
Brush & Roller .....	21.30 .....5.90
Elevated Tanks; Steeplejack Work; Bridge & Lead Abatement .....	
22.30 .....	5.90
Sandblasting & Waterblasting .....	22.05 .....5.90
Spray .....	21.80 .....5.90
Bridge/Equipment Tender and/or Containment Builder .....	18.90 .....5.90
Boyd, Carter, Elliott, Greenup, Lewis and Rowan Counties	
Painters:	
Bridges .....	24.93 .....10.90
All Other Work .....	20.38 .....10.90

**TRANSPORTATION CABINET  
DIVISION OF CONSTRUCTION PROCUREMENT  
COMPLIANCE SECTION  
PROJECT WAGE RATES**

<b>HIGHWAY BASIC HOURLY RATES</b>	<b>FRINGE BENEFIT PAYMENTS COMBINED</b>
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**CRAFTS:** (continued)

Breckinridge, Bullitt, Carroll (Western Half), Franklin (Western three-fourths), Grayson, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer, Trimble and Washington Counties:

Plumber ..... 27.20 ..... 12.47

Boyd, Carter, Elliott, Greenup, Lewis and Rowan Counties:

Plumbers and Steamfitters ..... 24.61 ..... 15.98

Bracken, Carroll (Eastern Half), Gallatin, Grant, Mason, Owen and Robertson Counties:

Pipefitters and Plumbers ..... 26.93 ..... 12.61

**LABORERS:**

Bath, Bourbon, Boyd, Boyle, Bracken, Carter, Clark, Elliott, Fayette, Fleming, Franklin, Gallatin, Grant, Greenup, Harrison, Jessamine, Lewis, Madison, Mason, Mercer, Montgomery, Nicholas, Owen, Robertson, Rowan, Scott, & Woodford Counties:

GROUP 1 - Aging and curing of concrete, Asbestos Abatement Worker, Asphalt Plant, Asphalt, Batch Truck Dump, Carpenter Tender, Cement Mason Tender, Cleaning of Machines, Concrete, Demolition, Dredging, Environmental - Nuclear, Radiation, Toxic and Hazardous Waste - Level D, Flagperson, Grade Checker, Hand Digging and Hand Back Filling, Highway Marker Placer, Landscaping Mesh Handler and Placer, Puddler, Railroad, Rip-Rap and Grouter, Right-of-Way Sign, Guard rail and Fence Installer, Signal Person, Sound Barrier Installer, Storm and Sanitary Sewer, Swamper, Truck Spotter and Dumper, and Wrecking of Concrete Forms, General Cleanup.

**BASE RATE** ..... 19.33

**FRINGE BENEFITS** ..... 9.18

Group 2 - Batter Board Man (Sanitary And Storm Sewer), Brickmason Tender, Mortar Mixer Operator, Scaffold Builder, Burner and Welder, Bushhammer, Chain Saw Operator, Concrete Saw Operator, Deckhand Scow Man, Dry Cement Handler, Environmental - Nuclear, Radiation, Toxic and Hazardous Waste - Level C, Forklift Operator for Masonary, Form Setter, Green Concrete Cutting, Hand Operated Grouter and Grinder Machine Operator, Jackhammer, Pavement Breaker, Paving Joint Machine, Pipelayer, Plastic Pipe Fusion, Power Driven Georgia Buggy and Wheel Barrow, Power Post Hole Digger, Precast Manhole Setter, Walk-Behind Tamper, Walk-Behind Trencher, Sand Blaster, Concrete Chipper, Surface Grinder, Vibrator Operator and Wagon Driller.

**BASE RATE** ..... 19.58

**FRINGE BENEFITS** ..... 9.18

**TRANSPORTATION CABINET  
DIVISION OF CONSTRUCTION PROCUREMENT  
COMPLIANCE SECTION  
PROJECT WAGE RATES**

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**LABORERS:** (continued)

GROUP 3 - Asphalt Luteman and Raker, Gunnite Nozzleman, Gunnite Operator and Mixer, Grout Pump Operator, Side Rail Setter, Rail Paved Ditch, Screw Operator, Tunnel (Free Air) and Water Blaster.

**BASE RATE** .....19.63  
**FRINGE BENEFITS** .....9.18

GROUP 4 - Caisson Worker (Free Air), Cement Finisher, Environmental - Nuclear, Radiation, Toxic and Hazardous Waste - Levels A and B, Miner and Driller (Free Air), Tunnel Blaster and Tunnel Mucker (Free Air), Directional & Horizontal Boring, Air Track Drillers (all types), Powdermen & Blasters, Troxler & Concrete Tester if Laborer is Utilized.

**BASE RATE** .....20.23  
**FRINGE BENEFITS** .....9.18

**LABORERS:**

Anderson, Bullitt, Carroll, Hardin, Henry, Jefferson, Larue, Marion, Meade, Nelson, Oldham, Shelby, Spencer, Trimble & Washington Counties:

GROUP 1 - Aging and curing of concrete, Asbestos Abatement Worker, Asphalt Plant, Asphalt, Batch Truck Dump, Carpenter Tender, Cement Mason Tender, Cleaning of Machines, Concrete, Demolition, Dredging, Environmental - Nuclear, Radiation, Toxic and Hazardous Waste - Level D, Flagperson, Grade Checker, Hand Digging and Hand Back Filling, Highway Marker Placer, Landscaping Mesh Handler and Placer, Puddler, Railroad, Rip-Rap and Grouter, Right-of-Way Sign, Guard rail and Fence Installer, Signal Person, Sound Barrier Installer, Storm and Sanitary Sewer, Swamper, Truck Spotter and Dumper, and Wrecking of Concrete Forms, General Cleanup.

**BASE RATE** .....19.33  
**FRINGE BENEFITS** .....9.18

Group 2 - Batter Board Man (Sanitary And Storm Sewer), Brickmason Tender, Mortar Mixer Operator, Scaffold Builder, Burner and Welder, Bushhammer, Chain Saw Operator, Concrete Saw Operator, Deckhand Scow Man, Dry Cement Handler, Environmental - Nuclear, Radiation, Toxic and Hazardous Waste - Level C, Forklift Operator for Masonary, Form Setter, Green Concrete Cutting, Hand Operated Grouter and Grinder Machine Operator, Jackhammer, Pavement Breaker, Paving Joint Machine, Pipelayer, Plastic Pipe Fusion, Power Driven Georgia Buggy and Wheel Barrow, Power Post Hole Digger, Precast Manhole Setter, Walk-Behind Tamper, Walk-Behind Trencher, Sand Blaster, Concrete Chipper, Surface Grinder, Vibrator Operator and Wagon Driller.

**BASE RATE** .....19.58  
**FRINGE BENEFITS** .....9.18

**TRANSPORTATION CABINET  
DIVISION OF CONSTRUCTION PROCUREMENT  
COMPLIANCE SECTION  
PROJECT WAGE RATES**

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**LABORERS:** (continued)

GROUP 3 - Asphalt Luteman and Raker, Gunnite Nozzleman, Gunnite Operator and Mixer, Grout Pump Operator, Side Rail Setter, Rail Paved Ditch, Screw Operator, Tunnel (Free Air) and Water Blaster.

**BASE RATE** .....19.63  
**FRINGE BENEFITS** .....9.18

GROUP 4 - Caisson Worker (Free Air), Cement Finisher, Environmental - Nuclear, Radiation, Toxic and Hazardous Waste - Levels A and B, Miner and Driller (Free Air), Tunnel Blaster and Tunnel Mucker (Free Air), Directional & Horizontal Boring, Air Track Drillers (all types), Powdermen & Blasters, Troxler & Concrete Tester if Laborer is Utilized.

**BASE RATE** .....20.23  
**FRINGE BENEFITS** .....9.18

**LABORERS:**

Breckinridge & Grayson Counties:

GROUP 1 - Aging and curing of concrete, Asbestos Abatement Worker, Asphalt Plant, Asphalt, Batch Truck Dump, Carpenter Tender, Cement Mason Tender, Cleaning of Machines, Concrete, Demolition, Dredging, Environmental - Nuclear, Radiation, Toxic and Hazardous Waste - Level D, Flagperson, Grade Checker, Hand Digging and Hand Back Filling, Highway Marker Placer, Landscaping Mesh Handler and Placer, Puddler, Railroad, Rip-Rap and Grouter, Right-of-Way Sign, Guard rail and Fence Installer, Signal Person, Sound Barrier Installer, Storm and Sanitary Sewer, Swamper, Truck Spotter and Dumper, and Wrecking of Concrete Forms, General Cleanup.

**BASE RATE** .....19.88  
**FRINGE BENEFITS** .....8.63

Group 2 - Batter Board Man (Sanitary And Storm Sewer), Brickmason Tender, Mortar Mixer Operator, Scaffold Builder, Burner and Welder, Bushhammer, Chain Saw Operator, Concrete Saw Operator, Deckhand Scow Man, Dry Cement Handler, Environmental - Nuclear, Radiation, Toxic and Hazardous Waste - Level C, Forklift Operator for Masonary, Form Setter, Green Concrete Cutting, Hand Operated Grouter and Grinder Machine Operator, Jackhammer, Pavement Breaker, Paving Joint Machine, Pipelayer, Plastic Pipe Fusion, Power Driven Georgia Buggy and Wheel Barrow, Power Post Hole Digger, Precast Manhole Setter, Walk-Behind Tamper, Walk-Behind Trencher, Sand Blaster, Concrete Chipper, Surface Grinder, Vibrator Operator and Wagon Driller.

**BASE RATE** .....20.13  
**FRINGE BENEFITS** .....8.63

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PROJECT WAGE RATES**

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**LABORERS:** (continued)

GROUP 3 - Asphalt Luteman and Raker, Gunnite Nozzleman, Gunnite Operator and Mixer, Grout Pump Operator, Side Rail Setter, Rail Paved Ditch, Screw Operator, Tunnel (Free Air) and Water Blaster.

**BASE RATE** .....20.18  
**FRINGE BENEFITS** .....8.63

GROUP 4 - Caisson Worker (Free Air), Cement Finisher, Environmental - Nuclear, Radiation, Toxic and Hazardous Waste - Levels A and B, Miner and Driller (Free Air), Tunnel Blaster and Tunnel Mucker (Free Air), Directional & Horizontal Boring, Air Track Drillers (all types), Powdermen & Blasters, Troxler & Concrete Tester if Laborer is Utilized.

**BASE RATE** .....20.78  
**FRINGE BENEFITS** .....8.63

**TRUCK DRIVER CLASSIFICATIONS:**

**BASE RATE**

GROUP 1 - Mobile Batch Truck Tender ..... 16.57

GROUP 2 - Greaser, Tire Changer and Mechanic Tender ..... 16.68

GROUP 3 - Single Axle Dump, Flatbed, Semi-trailer or Pole Trailer when used to pull building materials and equipment, Tandem Axle Dump, Distributor, Mixer and Truck Mechanic ..... 16.86

GROUP 4 - Euclid & Other Heavy Earthmoving Equipment & Lowboy, Articulator Cat, 5-Axle Vehicle, Winch & A-Frame when used in transporting materials, Ross Carrier, Forklift when used to transport building materials and Pavement Breaker .....16.96

**FRINGE BENEFITS**.....7.34

**OPERATING ENGINEERS:**

A-Frame Winch Truck, Auto Patrol, Backfiller, Batcher Plant, Bituminous Paver, Bituminous Transfer Machine, Boom Cat, Bulldozer, Mechanic, Cableway, Carry-All Scoop, Carry Deck Crane, Central Compressor Plant, Clamshell, Concrete Mixer (21 Cu. Ft. or Over), Concrete Paver, Truck-Mounted Concrete Pump, Core Drill, Crane, Crusher Plant, Derrick, Derrick Boat, Ditching and Trenching Machine, Dragline, Dredge Operator, Dredge Engineer, Elevating Grader and Loaders, Grade-All, Gurries, Heavy Equipment Robotics Operator/Mechanic, High Lift, Hoe-Type Machine, Hoist (two or more drums), Hoisting Engine (two or more drums), Horizontal Directional Drill Operator, Hydrocrane, Hyster, Kecal Loader, Letourneau, Locomotive,

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**OPERATING ENGINEERS:** (continued)

Mechanically Operated Laser Screed, Mechanic Welder, Mucking Machine, Motor Scraper, Orangepeel Bucket, Piledriver, Power Blade, Pumpcrete, Push Dozer, Rock Spreader Attached to Equipment, Rotary Drill, Roller (Bituminous), Scarifier, Scoopmobile, Shovel, Side Boom, Subgrader, Tailboom, Telescoping Type Forklift, Tow or Push Boat, Tower Crane (French, German and other types), Tractor Shovel and Truck Crane, Tunnel Mining Machines, Including Moles, Shields or similar types of Tunnel Mining Equipment.

**BASE RATE** .....22.95  
**FRINGE BENEFITS** .....11.90

Air Compressor (over 900 cu. ft. per min.), Bituminous Mixer, Boom Type Tamping Machine, Bull Float, Concrete Mixer (under 21 cu. ft.), Dredge Engineer, Electric Vibrator Compactor/Self-Propelled Compactor, Elevator (one drum or Buck Hoist), Elevator (when used to hoist building material), Finish Machine, Fireman & Hoist (one drum), Flexplane, Forklift (regardless of lift height), Form Grader, Joint Sealing Machine, Outboard Motor Boat, Power Sweeper (riding type), Roller (rock), Ross Carrier, Skid Mounted Or Trailer Mounted Concrete Pump, Skid Steer Machine with all attachments, Switchman or Brakeman, Throttle Valve Person, Tractair and Road Widening Trencher, Tractor (50 H.P. or over), Truck Crane Oiler, Tugger, Welding Machine, Well Points and Whirley Oiler.

**BASE RATE** .....20.53  
**FRINGE BENEFITS** .....11.90

All off road material handling equipment, including Articulating Dump Trucks, Greaser on Grease facilities servicing heavy equipment.

**BASE RATE** .....20.91  
**FRINGE BENEFITS** .....11.90

Bituminous Distributor, Burlap and Curing Machine, Cement Gun, Concrete Saw, Conveyor, Deckhand Oiler, Grout Pump, Hydraulic Post Driver, Hydro Seeder, Mud Jack, Oiler, Paving Joint Machine, Power Form Handling Equipment, Pump, Roller (Earth), Steerman, Tamping Machine, Tractor (under 50 H.P.) and Vibrator.

**BASE RATE** .....20.27  
**FRINGE BENEFITS** .....11.90

Cranes - with Booms 150 ft. and over (including jib), and where the length of the Boom in combination with the length of the piling leads equals or exceeds 150 ft. - \$1.00 over Group 1 rate.

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Employees assigned to work below ground level are to be paid 10% above basic wage rate. This does not apply to open cut work.

WELDERS - Receive rate for craft in which welding is incidental.

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

These rates are listed pursuant to Kentucky Determination No. CR-05-III HWY dated May 16, 2006 and/or Federal Decision Number KY20070027 dated February 9, 2007 modification #1 dated May 4, 2007, modification #2 dated June 1, 2007 and modification #3 dated July 6, 2007.

No laborer, workman or mechanic shall be paid at a rate less than that of a Journeyman except those classified as bona fide apprentices.

Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

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DIVISION OF CONSTRUCTION PROCUREMENT  
COMPLIANCE SECTION  
PROJECT WAGE RATES**

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**TO: EMPLOYERS/EMPLOYEES**

**PREVAILING WAGE SCHEDULE:**

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

**OVERTIME:**

Overtime is to be paid after an employee works eight (8) hours a day or forty (40) hours a week, whichever gives the employee the greater wages. At least time and one-half the base rate is required for all overtime. A laborer, workman or mechanic and an employer may enter into a written agreement or a collective bargaining agreement to work more than eight (8) hours a calendar day but not more than ten (10) hours a calendar day for the straight time hourly rate. Wage violations or questions should be directed to the designated Engineer or the undersigned.

Steve Waddle, Director  
Division of Construction Procurement  
Frankfort, Kentucky 40622

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION  
TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY  
(Executive Order 11246)**

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

<b>GOALS FOR MINORITY PARTICIPATION IN EACH TRADE</b>	<b>GOALS FOR FEMALE PARTICIPATION IN EACH TRADE</b>
11.2%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the subcontract is to be performed. The notification shall be mailed to:

**Evelyn Teague, Regional Director  
Office of Federal Contract Compliance Programs  
61 Forsyth Street, SW, Suite 7B75  
Atlanta, Georgia 30303-8609**

4. As used in this Notice, and in the contract resulting from this solicitation, the "**covered area**" is Jefferson County.

**PART IV**  
**INSURANCE**

## INSURANCE

The Contractor shall carry the following insurance in addition to the insurance required by law:

1. Contractor's Public Liability Insurance not less than \$100,000.00 for damages arising out of bodily injuries to or death to one person. Not less than \$300,000.00 for damages arising out of bodily injuries to or death to two or more persons.
2. Contractor's Property Damages Liability Insurance. Not less than \$100,000.00 for all damages arising out of injury or destruction of property in any one accident. Not less than \$300,000.00 for all damages during the policy period.
3. Contractor's Protective Public Liability and Property Damage Insurance. The contractor shall furnish evidence with respect to operations performed for him by subcontractors that he carries in his own behalf for the above stipulated amounts.
4. The insurance required above must be evidenced by a Certificate of Insurance and this Certificate of Insurance must contain one of the following statements:
  - a. "policy contains no deductible clauses."
  - b. "policy contains \_\_\_\_\_ (amount) deductible property damage clause but company will pay claim and collect the deductible from the insured."
5. WORKMEN'S COMPENSATION INSURANCE. The contractor shall furnish evidence of coverage of all his employees or give evidence of self-insurance by submitting a copy of a certificate issued by the Workmen's Compensation Board.

## **PART V**

### **STATEMENT OF INCOMPLETE WORK**

STATEMENT OF INCOMPLETED WORK

All active prime contracts must be reported. This includes prime contracts with public and private owners and joint-ventured contracts. The names of the joint venturers must be shown when reporting these projects. A machine or typed listing reporting the status of each contract is acceptable when attached to this report; however, the total amounts on the itemized listing must be reported in the space provided below:

CONTRACT WITH	PROJECT IDENTIFICATION	PRIME CONTRACT AMOUNT	EARNINGS THROUGH LAST APPROVED ESTIMATE	TOTAL AMOUNT OF WORK REMAINING
TOTAL (Attach Summary if not itemized above)		\$	\$	\$

**PART VI**

**BID ITEMS**

**TRANSPORTATION CABINET**

Department of Highways

FRANKFORT, KY 40622

Sheet No: 1

**Contract ID: 07-1044**

JEFFERSON COUNTY

056GR07D0003

Letting: 8/24/07

THE BIDDER MUST MAKE THE EXTENSIONS AND ADDITIONS  
SHOWING TOTAL AMOUNT BID USING FIGURES ONLY

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
		ROADWAY			.	.
0010	00001	DGA BASE	<b>20,696.00</b>	TON	.	.
0020	00100	ASPHALT SEAL AGGREGATE	<b>1,800.00</b>	TON	.	.
0030	00291	EMULSIFIED ASPHALT RS-2	<b>216.00</b>	TON	.	.
0040	02010	ADJUST MEDIAN BOX	<b>6.00</b>	EACH	.	.
0050	02562	SIGNS	<b>1,000.00</b>	SQFT	.	.
0060	02570	PROJECT CPM SCHEDULE 265	<b>1.00</b>	LS	.	.
0070	02570	PROJECT CPM SCHEDULE 64	<b>1.00</b>	LS	.	.
0080	02650	MAINTAIN & CONTROL TRAFFIC 265	<b>1.00</b>	LS	.	.
0090	02650	MAINTAIN & CONTROL TRAFFIC 64	<b>1.00</b>	LS	.	.
0100	02671	VAR MESSAGE SIGN-PORT 3 LINE	<b>4.00</b>	EACH	.	.
0110	02775	FLASHING ARROW	<b>4.00</b>	EACH	.	.
0120	05950	EROSION CONTROL BLANKET	<b>11,440.00</b>	SQYD	.	.
0130	05985	SEEDING AND PROTECTION	<b>63,825.00</b>	SQYD	.	.
0140	20496NS843	SILT TRAP TYPE C	<b>20.00</b>	EACH	.	.
0150	20497NS843	CLEAN SILT TRAP TYPE C	<b>20.00</b>	EACH	.	.
0160	21132NC	INSTALL PROJECT ID SIGN (72 IN X 120 IN)	<b>4.00</b>	EACH	.	.
0170	21451ED	FILL AND GRADE MEDIAN BEGIN ALTERNATE A	<b>7,920.00</b>	LF	.	.
0180	21448ED	WRSF TRINITY	<b>60,900.00</b>	LF	.	.
0190	21449ND	WRSF END ANCHOR TYPE A TRINITY	<b>28.00</b>	EACH	.	.
0200	21452ND	REPLACE WRSF GUARDRAIL POST TRINITY	<b>2,000.00</b>	EACH	.	.

**TRANSPORTATION CABINET**

Department of Highways

FRANKFORT, KY 40622

Sheet No: 2

**Contract ID: 07-1044**

JEFFERSON COUNTY

056GR07D0003

Letting: 8/24/07

THE BIDDER MUST MAKE THE EXTENSIONS AND ADDITIONS  
SHOWING TOTAL AMOUNT BID USING FIGURES ONLY

Item No.	Code No.	Item	Approximate Quantity	Unit	Unit Price Dollars	Amount Dollars
0210	21453ND	REPLACE WRSF END ANCHOR TY A	7.00	EACH	.	.
		TRINITY				
		END ALTERNATE A			.	.
		BEGIN ALTERNATE B			.	.
0220	21737EN	CASS TL-4	60,217.00	LF	.	.
		BRIFEN				
0230	21738NN	CASS END ANCHOR TL3	28.00	EACH	.	.
		BRIFEN				
0240	21739NN	REPLACE CASS GUARDRAIL POST	2,000.00	EACH	.	.
		BRIFEN				
0250	21740NN	REPLACE CASS END ANCHOR TL3	7.00	EACH	.	.
		BRIFEN				
		END ALTERNATE B			.	.
					.	.
		DEMOBILIZATION			.	.
0260	02569	DEMOBILIZATION	1.00	LS	.	.
<b>TOTAL BID</b>					\$	.

**PART VII**  
**CERTIFICATIONS**

**PROVISIONS RELATIVE TO SENATE BILL 258 (1994)**

During the performance of the contract, the contractor agrees to comply with applicable provisions of:

1. KRS 136 Corporation and Utility Taxes
2. KRS 139 Sale and Use Taxes
3. KRS 141 Income Taxes
4. KRS 337 Wages and Hours
5. KRS 338 Occupational Safety and Health of Employees
6. KRS 341 Unemployment Compensation
7. KRS 342 Workers Compensation

Any final determinations of a violation by the contractor within the previous five (5) years pursuant to the applicable statutes above are revealed as follows:

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**NON-COLLUSION CERTIFICATION**

COMMONWEALTH OF KENTUCKY

COUNTY \_\_\_\_\_

PROJECT NO. \_\_\_\_\_

I, \_\_\_\_\_, \_\_\_\_\_, under  
(Name of officer signing certification) (Title)

penalty of perjury under the laws of the United States, do hereby certify that

\_\_\_\_\_  
(Insert name of Individual, Joint Venture, Co-partnership, or Corporation submitting bid)

its agent, officers or employees have not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding in connection with this proposal.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)

REVISED: 8-23-89

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**NON-COLLUSION CERTIFICATION**

COMMONWEALTH OF KENTUCKY

COUNTY \_\_\_\_\_

PROJECT NO. \_\_\_\_\_

I, \_\_\_\_\_, \_\_\_\_\_, under  
(Name of officer signing certification) (Title)

penalty of perjury under the laws of the United States, do hereby certify that

\_\_\_\_\_  
(Insert name of Individual, Joint Venture, Co-partnership, or Corporation submitting bid)

its agent, officers or employees have not directly or indirectly entered into any agreement, participated in any collusion, or otherwise taken action in restraint of free competitive bidding in connection with this proposal.

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)

REVISED: 8-23-89

**CERTIFICATION OF ORGANIZATION(S)**

COMMONWEALTH OF KENTUCKY

COUNTY \_\_\_\_\_

PROJECT NO. \_\_\_\_\_

I, \_\_\_\_\_, \_\_\_\_\_, under penalty  
(President or Authorized Official of Bidder) (Title)

perjury under the laws of the United States, do hereby certify that, except as noted below,

\_\_\_\_\_  
(Insert name of individual, Joint Venture, Co-Partnership or Corporation Submitting Bid)

any person associated therewith in the capacity of (owner, partner, director, officer, principal investigator, project director, manager, auditor, or any position involving the Administration of Federal Funds): is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any federal agency; has not been suspended, debarred, voluntarily excluded or determined ineligible by any federal agency within the past 3 years; does not have a proposed debarment pending; and has not been indicted, convicted, or had a civil judgement rendered against (it) by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

Please list below any exceptions to the foregoing, to whom it applies, initiating agency and dates of action.

Exceptions: \_\_\_\_\_  
\_\_\_\_\_

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Title)

### CERTIFICATION OF PERFORMANCE

Certification with regard to the Performance of Previous Contracts or Subcontracts subject to the Equal Opportunity Clause and the filing of Required Reports.

The bidder \_\_\_\_\_, proposed subcontractor \_\_\_\_\_, hereby certifies that he has \_\_\_\_\_, has not \_\_\_\_\_, participated in a previous contract or subcontract subject to the equal opportunity clause, as required by Executive Orders 10925, 11114, or 11246, and that he has \_\_\_\_\_, has not \_\_\_\_\_, filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government contracting or administering agency, or the Former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

\_\_\_\_\_  
(Company)

By: \_\_\_\_\_

\_\_\_\_\_  
(Title)

Date: \_\_\_\_\_

NOTE: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b) (1)), and must be submitted by bidders and proposed subcontractors only in connection with the contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EEO-1) is the only report required by the Executive Orders of their implementing regulation.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed reports should note that 41 CFR 60-1.7(b) (1) prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

### CERTIFICATION FOR FEDERAL-AID CONTRACT

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agent.
2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

This certification is a material representation of fact which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such subrecipients shall certify and disclose accordingly.

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(Insert name of Individual, Joint Venture, Co-partnership, or Corporation submitting bid)

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(Signature)

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(Title)

**CERTIFICATION OF BID PROPOSAL / DBE**

We (I) propose to furnish all labor, equipment and materials necessary to construct and/or improve the subject project in accordance with the plans, the Transportation Cabinet's Standard Specifications for Road and Bridge Construction, current edition, special provisions, notes applicable to the project as indicated herein and all addenda issued on this project subsequent to purchase of proposal.

We (I) attach a bid proposal guaranty as provided in the special provisions in an amount not less than 5% of the total bid. We agree to execute a contract in accordance with this bid proposal within 15 calendar days after the receipt of the notice of award for the project.

We (I) have examined the site of proposed work, project plans, specifications, special provisions, and notes applicable to the project referred to herein. We understand that the quantities shown herein are estimated quantities subject to increase or decrease as provided in the specifications.

We (I) acknowledge receipt of all addendum(s) (if applicable) and have made the necessary revisions to the bid proposal. We have considered all addendum(s) in the calculation of the submitted bid and applied the updated bid items, which are included.

- No Addendum(s) have been posted

***“The bidder certifies that it has secured participation by Disadvantaged Business Enterprises (“DBE”) in the amount of \_\_\_\_\_ percent of the total value of this contract and that the DBE participation is in compliance with the requirements of 49 CFR 26 and the policies of the Kentucky Transportation Cabinet pertaining to the DBE Program.”***

\_\_\_\_\_  
Name of Contracting Firm

BY: \_\_\_\_\_  
Authorized Agent (Signature) Title

\_\_\_\_\_  
Address City State Zip Code

\_\_\_\_\_  
Telephone Number

When two or more organizations bid as a joint venture, enter names of each organization and an authorized agent for each organization must sign above.