CALL NO. 318

CONTRACT ID. 121038

DAVIESS COUNTY

FED/STATE PROJECT NUMBER FD04 SPP 030 9005 015-024

DESCRIPTION AUDUBON PARKWAY (AU 9005)

WORK TYPE JPC PAVEMENT REPAIRS - DIAMOND GRINDING

PRIMARY COMPLETION DATE 9/1/2013

LETTING DATE: September 14, 2012

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME September 14, 2012. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

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

TABLE OF CONTENTS

PART I

SCOPE OF WORK

CONTRACT ID - 121038 ADMINISTRATIVE DISTRICT - 02

PROJECT(S) IDENTIFICATION AND DESCRIPTION:

COUNTY - DAVIESS PCN - DE03090051238
FD04 SPP 030 9005 015-024
AUDUBON PARKWAY (AU 9005) CONCRETE PAVEMENT REHAB WITH DIAMOND GRINDING AND BRIDGE DECK OVERLAYS WITH JOINT ELIMINATION ON AUDUBON PARKWAY. JPC PAVEMENT REPAIRS - DIAMOND GRINDING. SYP NO. 02-02059.00.
GEOGRAPHIC COORDINATES LATITUDE 37^45'48" LONGITUDE 87^13'44"

COMPLETION DATE(S):
COMPLETION DATE - September 01, 2013
APPLIES TO ENTIRE CONTRACT

CONTRACT NOTES

PROPOSAL ADDENDA

All addenda to this proposal must be applied when calculating bid and certified in the bid packet submitted to the Kentucky Department of Highways. Failure to use the correct and most recent addenda may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's Expedite Bidding Program available on the Internet web site of the Department of Highways, Division of Construction Procurement. (www.transportation.ky.gov/contract)

The Bidder must download the bid file located on the Bid Express website (www.bidx.com) to prepare a bid packet for submission to the Department. The bidder must submit electronically using Bid Express.

JOINT VENTURE BIDDING

Joint venture bidding is permissible. All companies in the joint venture must be prequalified in one of the work types in the Qualifications for Bidders for the project. The bidders must get a vendor ID for the joint venture from the Division of Construction Procurement and register the joint venture as a bidder on the project. Also, the joint venture must obtain a digital ID from Bid Express to submit a bid. 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.

SPECIAL NOTE FOR PIPE INSPECTION

Contrary to Section 701.03.08 of the 2012 Standard Specifications for Road and Bridge Construction and Kentucky Method 64-114, certification by the Kentucky Transportation Center for prequalified Contractors to perform laser/video inspection is not required on this contract. It will continue to be a requirement for the Contractor performing any laser/video pipe inspection to be prequalified for this specialized item with the Kentucky Transportation Cabinet-Division of Construction Procurement.

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

Pursuant to KRS 176.085(1)(b), an agency, department, office, or political subdivision of the Commonwealth of Kentucky shall not award a state contract to a person that is a foreign entity required by KRS 14A.9-010 to obtain a certificate of authority to transact business in the Commonwealth ("certificate") from the Secretary of State under KRS 14A.9-030 unless the person produces the certificate within fourteen (14) days of the bid or proposal opening. If the foreign entity is not required to obtain a certificate as provided in KRS 14A.9-010, the foreign entity should identify the applicable exception. Foreign entity is defined within KRS 14A.1-070.

For all foreign entities required to obtain a certificate of authority to transact business in the Commonwealth, if a copy of the certificate is not received by the contracting agency within the time frame identified above, the foreign entity's solicitation response shall be deemed non-responsive or the awarded contract shall be cancelled.

Businesses can register with the Secretary of State at https://secure.kentucky.gov/sos/ftbr/welcome.aspx .

SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

Questions about projects during the advertisement should be submitted in writing to the Division of Construction Procurement. This may be done by fax (502) 564-7299 or email to kytc.projectquestions@ky.gov. The Department will attempt to answer all submitted questions. The Department reserves the right not to answer if the question is not pertinent or does not aid in clarifying the project intent.

The deadline for posting answers will be 3:00 pm Eastern Daylight Time, the day preceding the Letting. Questions may be submitted until this deadline with the understanding that the later a question is submitted, the less likely an answer will be able to be provided.

The questions and answers will be posted for each Letting under the heading "Questions & Answers" on the Construction Procurement website (www.transportation.ky.gov/contract). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

ACCESS TO RECORDS

The contractor, as defined in KRS 45A.030 (9) agrees that the contracting agency, the Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this

contract for the purpose of financial audit or program review. Records and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the contract and shall be exempt from disclosure as provided in KRS 61.878(1)(c). The contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884.

In the event of a dispute between the contractor and the contracting agency, Attorney General, or the Auditor of Public Accounts over documents that are eligible for production and review, the Finance and Administration Cabinet shall review the dispute and issue a determination, in accordance with Secretary's Order 11-004. (See attachment)

10/18/2011

SPECIAL NOTE FOR RECIPROCAL PREFERENCE

Reciprocal preference to be given by public agencies to resident bidders

By reference, KRS 45A.490 to 45A.494 are incorporated herein and in compliance regarding the bidders residency. Bidders who want to claim resident bidder status should complete the Affidavit for Claiming Resident Bidder Status along with their bid in the Expedite Bidding Program. Submittal of the Affidavit should be done along with the bid in Bid Express.

ASPHALT MIXTURE

Unless otherwise noted, the Department estimates the rate of application for all asphalt mixtures to be 110 lbs/sy per inch of depth.

INCIDENTAL SURFACING

The Department has included in the quantities of asphalt mixtures established in the proposal estimated quantities required for resurfacing or surfacing mailbox turnouts, farm field entrances, residential and commercial entrances, curve widening, ramp gores and tapers, and road and street approaches, as applicable. Pave these areas to the limits as shown on Standard Drawing RPM-110-06 or as directed by the Engineer. In the event signal detectors are present in the intersecting streets or roads, pave the crossroads to the right of way limit or back of the signal detector, whichever is the farthest back of the mainline. Surface or resurface these areas as directed by the Engineer. The Department will not measure placing and compacting for separate payment but shall be incidental to the Contract unit price for the asphalt mixtures.

ASPHALT PAVEMENT RIDE QUALITY

Pavement Rideability Requirements shall apply on this project in accordance with Section 410 of the current Standard Specifications.

FUEL AND ASPHALT PAY ADJUSTMENT

The Department has included the Contract items Asphalt Adjustment and Fuel Adjustment for possible future payments at an established Contract unit price of $1.00. The Department will calculate actual adjustment quantities after work is completed. If existing Contract amount is insufficient to pay all items on the contract with the adjustments, the Department will establish additional monies with a change order.

OPTION A

Be advised that the Department will accept compaction of asphalt mixtures furnished for driving lanes and ramps, at 1 inch (25mm) or greater, on this project according to OPTION A in accordance with Section 402 and Section 403 of the current Standard Specifications. The Department will require joint cores as described in Section 402.03.02 for surface mixtures only. The Department will accept compaction of all other asphalt mixtures according to OPTION B.

DAVIESS COUNTY
AUDUBON PARKWAY (AU 9005)
MP 15.956 to MP 23.441
Construction Number

FD04 SPP 030 9005 015–024

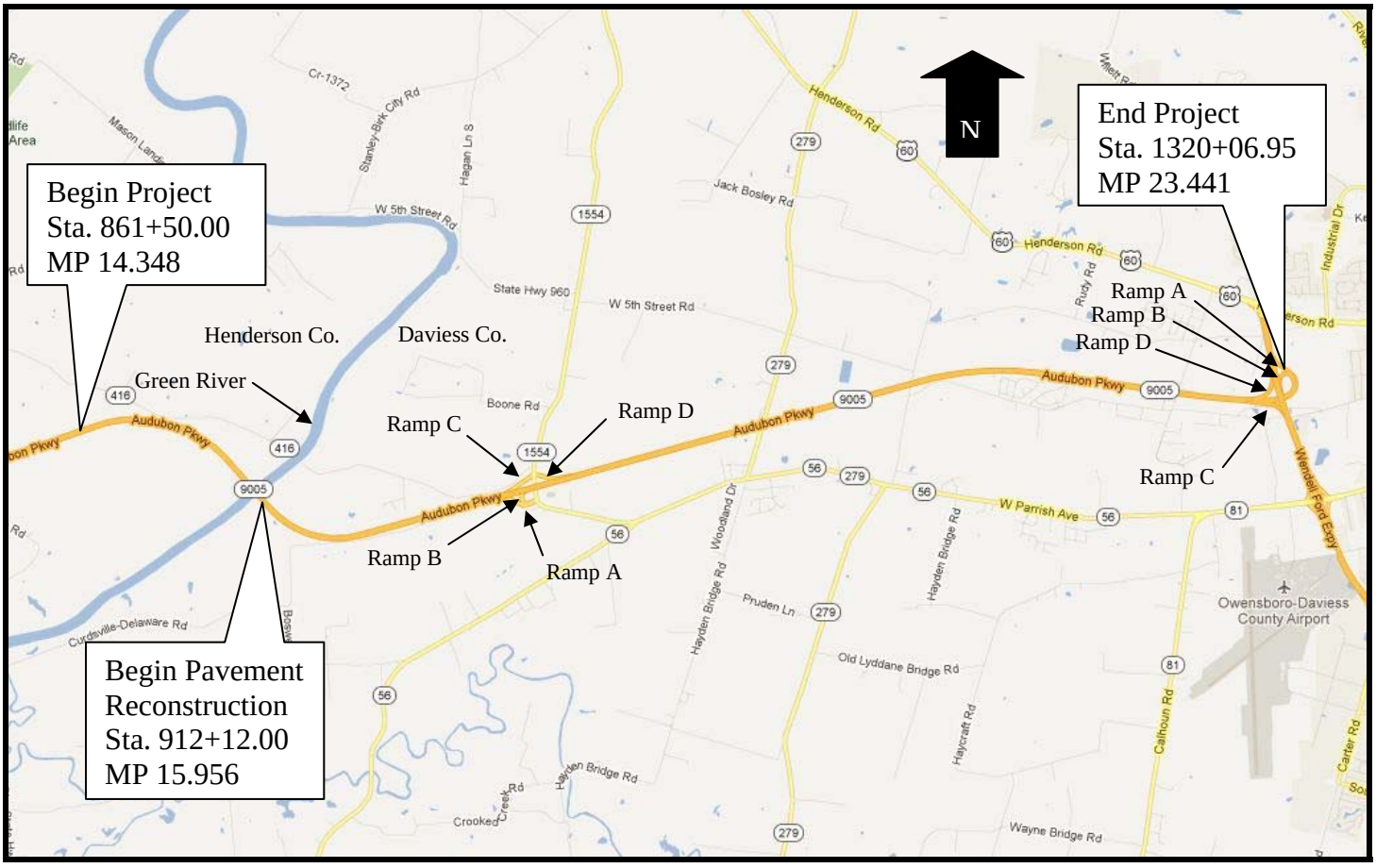
Item Number: 2–2059.00

Prepared For The
Kentucky Transportation Cabinet

Prepared By

WMB, INC.
CONSULTING ENGINEERS

1950 Haggard Court
Lexington, Kentucky 40505
Ph. 859–299–5226



Not to Scale

Item Number: 2-2059.00

Construction Number: FD04 SPP 030 9005 015-024

Letting Date: September 14, 2012

Recommended By: _____ Date: _____
Project Manager

Plan Approved By: _____ Date: _____
State Highway Engineer

TABLE OF CONTENTS

REFERENCES

1. Kentucky Transportation Cabinet, Department of Highways, Standard Specifications for Road and Bridge Construction, Edition of 2012

2. FHWA Manual on Uniform Traffic Control Devices (MUTCD) – 2009 Edition

3. Kentucky Department of Highways Standard Drawings, current editions, as applicable:

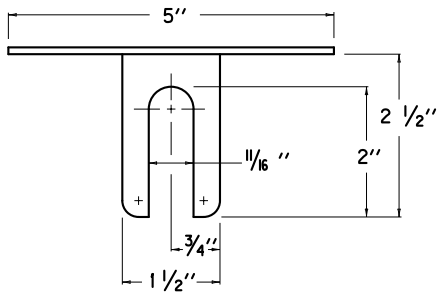
- RBB-001-07 Guardrail And Bridge End Drainage For Single Structures
- RBB-002-08 Guardrail And Bridge End Drainage For Twin Structures
- RBB-003-02 Layout Of Guardrail At Twin Structures (Depressed Median)
- RBC-001-10 Guardrail Connector To Bridge End Type A And A-1
- RBC-002-02 Guardrail Connector To Bridge End Type A Components
- RBC-003-07 Guardrail Connector To Bridge End Type A And A-1 Components
- RBC-100-03 Guardrail Connector To Concrete Median Barrier End
- RBC-110-10 Connection Details Of Crash Cushion Type VI To Double Face Guardrail
- RBE-060-13 Crash Cushion Type VI (One & Two Direction)
- RBE-065-06 Concrete Median Barrier End
- RBE-100-09 Crash Cushion Type VI-BT & CT
- RBE-205-05 Crash Cushion Type IX-A
- RBI-001-10 Typical Guardrail Installations
- RBI-002-06 Typical Guardrail Installations
- RBI-003-08 Typical Guardrail Installation for Guardrail End Treatment Type 2A
- RBI-004-04 Installation Of Guardrail End Treatment Type 1
- RBI-006-06 Guardrail Installation At Sign Supports
- RBM-115-09 Concrete Barrier Wall Type 9T (Temporary)
- RBR-001-11 Steel Beam Guardrail (“W” Beam)
- RBR-010-05 Guardrail Terminal Sections
- RBR-015-04 Guardrail Posts
- RBR-020-05 Guardrail End Treatment Type 1
- RDB-105-05 Sloped And Flared Box Inlet – Outlet 18” – 24” – 30” – 36” All Skews
- RDB-106-04 Grates For Sloped And Flared Box Inlet - Outlet
- RDD-002-06 Paved Ditch Type 2
- RDI-001-09 Culvert, Entrance & Storm Sewer Pipe Types & Cover Heights
- RDI-020-08 Pipe Bedding For Culverts, Entrance And Storm Sewer Pipe
- RDI-025-04 Pipe Bedding Trench Condition
- RDX-210-02 Temporary Silt Fence
- RDX-230 Silt Trap Type C
- RPM-001-03 Permanent U-Turn Opening
- RPM-100-09 Curb and Gutter, Curbs, and Valley Gutter
- RPN-010-06 Pavement Transitions & Joint Details For Jointed Plain Concrete At Bridge Ends
- RPN-015-04 Jointed Plain Concrete Pavement
- RPN-020-03 Concrete Pavement Joints Types & Spacing
- RPS-010-10 Concrete Pavement Joint Details
- RPS-020-13 Expansion and Contraction Joint Load Transfer Assemblies
- RPX-015-03 Hot-Poured Elastic Joint Seals for Concrete Pavement

- TPM-105-02 Pavement Marker Arrangements Multi-Lane Roadways
- TPM-115-02 Pavement Marker Arrangement Two-Lane, Two-Way Roadways
- TPM-125-02 Pavement Marker Arrangement Exit Gore and Off-Ramp
- TPM-135-01 Pavement Marker Arrangement On-Ramp with Parallel Acceleration Lane
- TTC-100-03 Lane Closure Two-Lane Highway
- TTC-110-02 Lane Closure Using Traffic Signals
- TTC-115-02 Lane Closure Multi-Lane Highway Case I
- TTC-120-02 Lane Closure Multi-Lane Highway Case II
- TTC-135-01 Shoulder Closure
- TTC-145-02 Median Crossover Case II
- TTC-146-02 Median Crossover Case II
- TTD-110-01 Post Splicing Detail
- TTD-120-01 Work Zone Speed Limit and Double Fine Signs
- TTD-125-01 Pavement Condition Warning Signs
- TTS-100-01 Mobile Operation For Paint Striping Case I
- TTS-105-01 Mobile Operation For Paint Striping Case II
- TTS-110-01 Mobile Operation for Paint Striping Case III
- TTS-115-01 Mobile Operation for Paint Striping Case IV

4. Kentucky Department of Highways Sepias, as applicable:

- Drawing No. 002 Delineators for Guardrail
- Drawing No. 004 Delineators for Concrete Barriers
- Drawing No. 007 Guardrail End Treatment Type 2A
- Drawing No. 008 Guardrail Components

NOTES

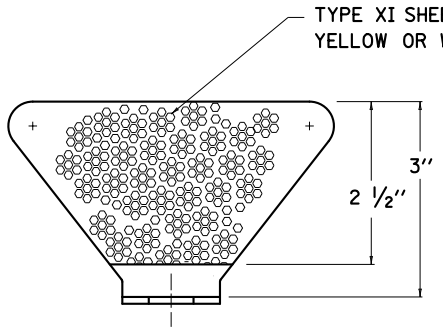


PLAN VIEW

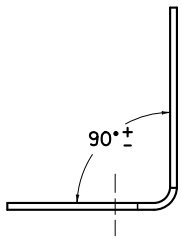
1. THE DELINEATOR'S SHAPE AND DIMENSIONS ARE SHOWN FOR ILLUSTRATION PURPOSES ONLY. TYPES OF DELINEATORS PERMITTED SHALL BE FROM THE LIST OF APPROVED MATERIALS.
2. DELINEATOR SHALL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR ONE COMPLETE INSTALLATION.
3.

CODE	PAY ITEM	PAY UNIT
1982	DELINEATOR FOR GUARDRAIL - MONO DIRECTIONAL WHITE	EACH
1983	DELINEATOR FOR GUARDRAIL - MONO DIRECTIONAL YELLOW	EACH
1987	DELINEATOR FOR GUARDRAIL - BI-DIRECTIONAL WHITE	EACH

4. GUARDRAIL DELINEATORS SHALL BE REQUIRED ON ALL GUARDRAIL.
5. DELINEATORS SHALL BE MANUFACTURED FROM 12 GA. GALVANIZED STEEL.
6. DIMENSIONS SHOWN ARE APPROXIMATE AND ARE SUBJECT TO MANUFACTURER'S TOLERANCES.
7. WHEN CONCRETE BARRIERS EXTEND ACROSS BRIDGE STRUCTURES IN LIEU OF STEEL BEAM GUARDRAIL, DELINEATORS SHALL BE INSTALLED AT SAME VERTICAL ALIGNMENT AS ON THE GUARDRAIL, AND DELINEATORS SHALL COMPLY WITH CURRENT SEPIA DRAWING 004.
8. DELINEATORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

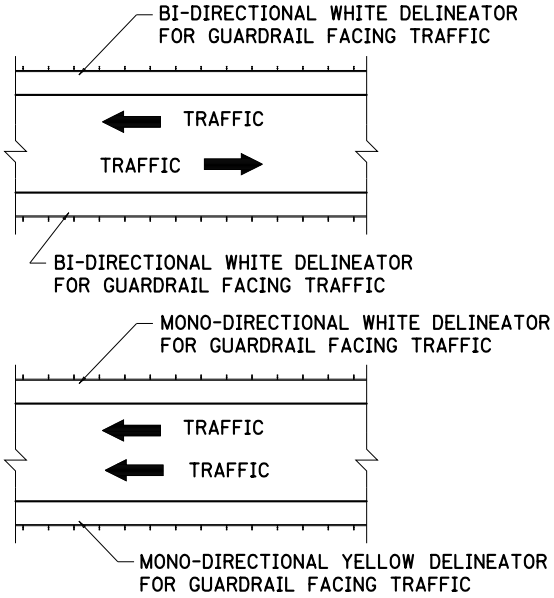


FRONT VIEW

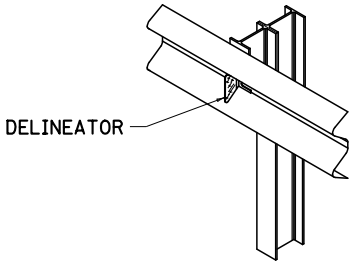


SIDE VIEW

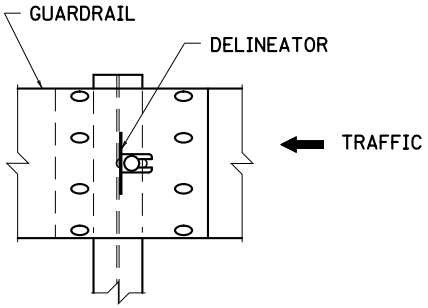
NOTE: DIMENSIONS SHOWN ARE FOR ONE VERSION OF A WEB-MOUNTED GUARDRAIL DELINEATOR. DELINEATORS WITH ALTERNATE DIMENSIONS MAY BE CONSIDERED FOR INCLUSION ON THE APPROVED PRODUCTS LIST.



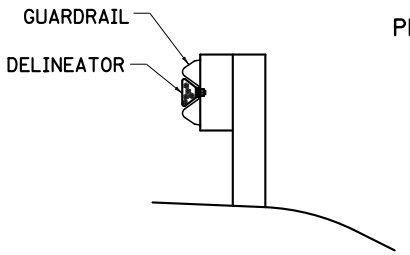
PLACEMENT OF DELINEATORS FOR GUARDRAIL



ISOMETRIC VIEW



FRONT VIEW



SIDE VIEW

APPROXIMATE DELINEATOR SPACING	
TANGENT	100′
CURVE	50′

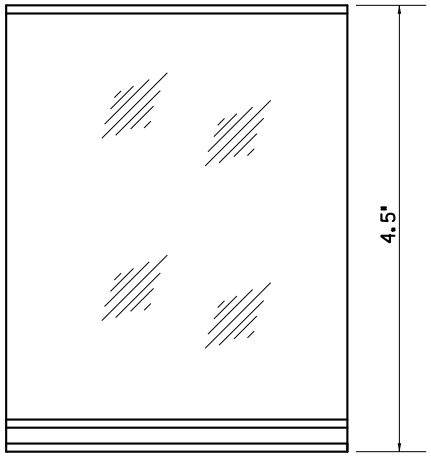
SPACING SHOULD BE ADJUSTED IN CURVES SO THAT SEVERAL DELINEATORS ARE ALWAYS SIMULTANEOUSLY VISIBLE TO THE ROAD USER.

KENTUCKY
DEPARTMENT OF HIGHWAYS

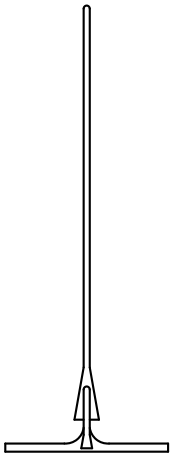
DELINEATORS
FOR GUARDRAIL

SUBMITTED _____ 6-15-2012
DIRECTOR DIVISION OF DESIGN — DATE

002



FRONT ELEVATION



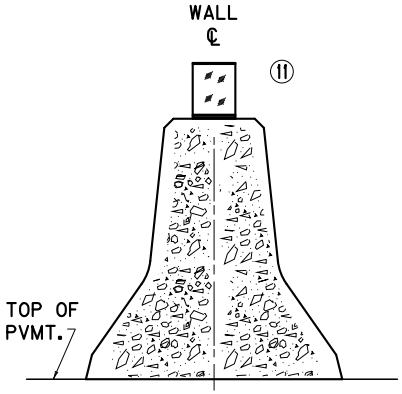
SIDE ELEVATION

NOTES

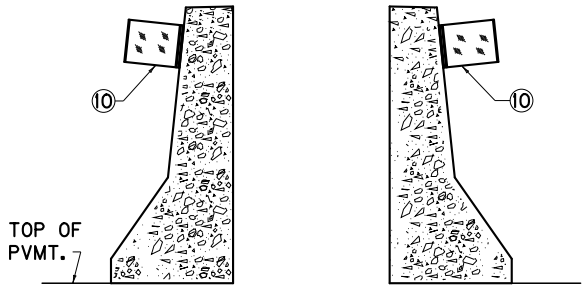
1. BARRIER WALL DELINEATORS SHALL BE REQUIRED ON ALL BARRIER WALL.
2. DELINEATORS SHALL BE MEASURED AND PAID FOR AT THE CONTRACT UNIT PRICE EACH, AND SHALL INCLUDE ALL MATERIALS AND LABOR NECESSARY FOR ONE COMPLETE INSTALLATION.
3.

CODE	PAY ITEM	PAY UNIT
1984	DELINEATOR FOR BARRIER WALL - MONO DIRECTIONAL WHITE	EACH
1985	DELINEATOR FOR BARRIER WALL - MONO DIRECTIONAL YELLOW	EACH
1986	DELINEATOR FOR BARRIER WALL - BI-DIRECTIONAL YELLOW	EACH
1990	DELINEATOR FOR BARRIER WALL - BI-DIRECTIONAL WHITE	EACH

4. IN ACCORDANCE WITH THE MUTCD (CURRENT EDITION), THE COLOR OF DELINEATORS SHALL MATCH THE COLOR OF THE EDGE LINE THAT THEY SUPPLEMENT. IN GENERAL, DELINEATORS ON BARRIER WALL ALONG THE LEFT SIDE OF DRIVING LANES SHALL BE YELLOW, AND DELINEATORS ON BARRIER WALL ALONG THE RIGHT SIDE OF DRIVING LANES SHALL BE WHITE. DELINEATORS IN BOTH DIRECTIONS ON A TWO-LANE, TWO-WAY ROADWAY SHALL BE BI-DIRECTIONAL WHITE.
5. TYPES OF DELINEATORS PERMITTED SHALL BE FROM THE LIST OF APPROVED MATERIALS. THE DELINEATOR'S SHAPE AND DIMENSIONS ARE FOR ILLUSTRATION PURPOSES ONLY.
6. THE DELINEATOR UNIT SHALL HAVE THE REFLECTIVE SURFACE INSTALLED FACING TRAFFIC.
7. DELINEATORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S RECOMENDATION.
8. DELINEATORS SHALL BE ATTACHED TO CONCRETE MEDIAN BARRIER WITH AN APPROVED ADHESIVE.
9. DELINEATOR SHEETING SHALL BE TYPE XI, YELLOW OR WHITE.
10. DELINEATORS SHOULD BE MOUNTED AT A HEIGHT OF APPROXIMATELY 4' ABOVE PAVEMENT. WHEN CONCRETE BARRIERS EXTEND ACROSS BRIDGE STRUCTURES IN LIEU OF STEEL BEAM GUARDRAIL, DELINEATORS SHALL BE INSTALLED AT THE SAME VERTICAL ALIGNMENT AS ON THE GUARDRAIL.
11. FOR BARRIER WALLS 50" OR LESS IN HEIGHT, DELINEATORS MAY BE INSTALLED ON TOP OF THE BARRIER WALL. FOR MEDIAN BARRIER WALLS 50" OR LESS IN HEIGHT THAT SEPARATE TWO-WAY TRAFFIC, BI-DIRECTIONAL YELLOW DELINEATORS MAY BE INSTALLED ON THE TOP OF THE BARRIER WALL IN LIEU OF SIDE-MOUNTED MONO-DIRECTIONAL YELLOW DELINEATORS.



NORMAL (SOLID) WALL SECTION



(SEPARATE SEGMENT) WALL SECTION

APPROXIMATE DELINEATOR SPACING	
TANGENT	100'
CURVE	50'

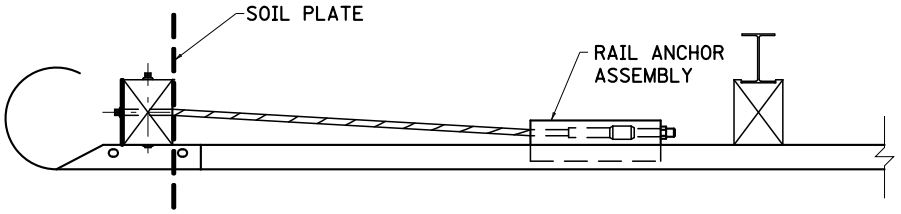
SPACING SHOULD BE ADJUSTED IN CURVES SO THAT SEVERAL DELINEATORS ARE ALWAYS SIMULTANEOUSLY VISIBLE TO THE ROAD USER.

KENTUCKY
DEPARTMENT OF HIGHWAYS

DELINEATORS FOR
CONCRETE BARRIERS

SUBMITTED Jeff Vogler 7-13-2012
TEBD DESIGN DIVISION III MANAGER OF DESIGN DATE

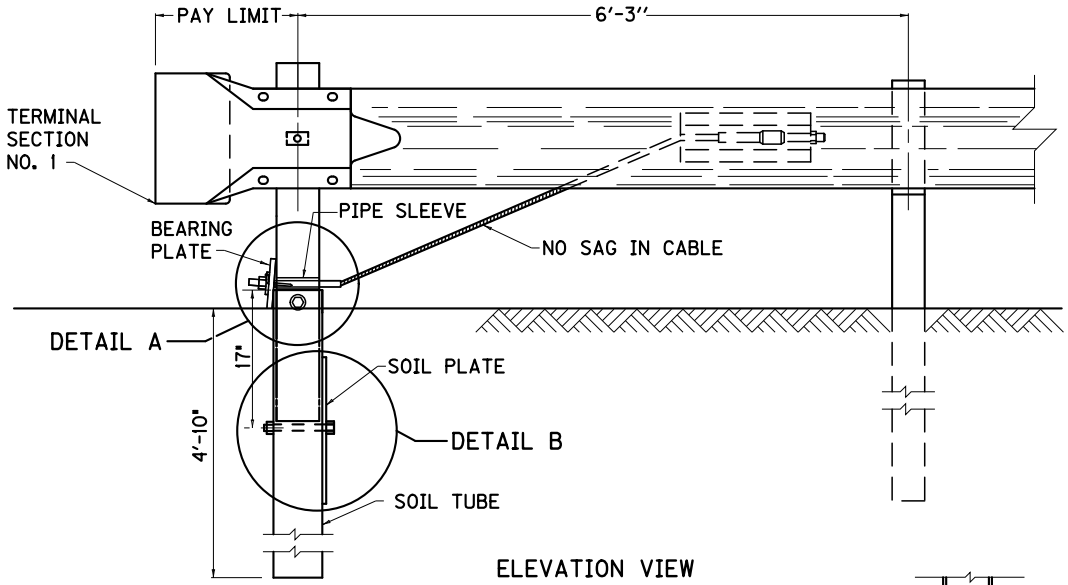
004



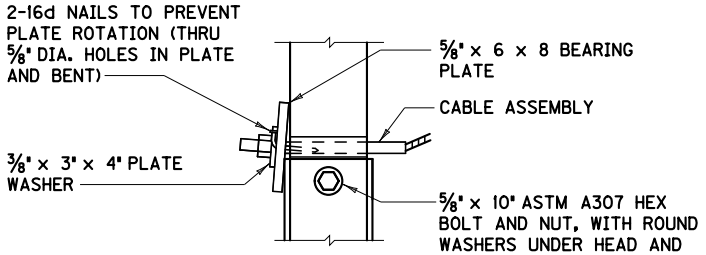
PLAN VIEW

NOTES

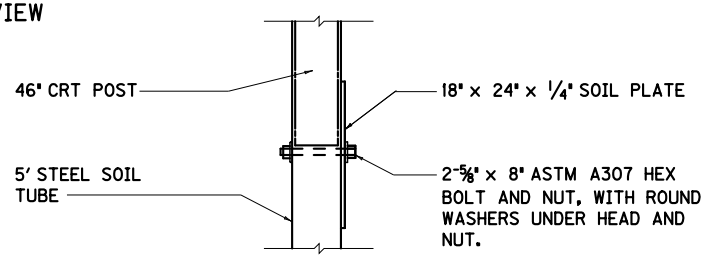
1. GUARDRAIL END TREATMENT TYPE 2A SHALL BE TO THE PAY LIMITS AS DETAILED. THE CONTRACT UNIT BID IS EACH AND SHALL INCLUDE A TERMINAL SECTION NO. 1, RAIL ANCHOR ASSEMBLY, CABLE ANCHOR ASSEMBLY AND ALL OTHER INCIDENTALS NECESSARY FOR A COMPLETE INSTALLATION AS DETAILED.
2. IN THE EVENT SOLID ROCK IS ENCOUNTERED, THE SOIL TUBE MAY BE SHORTENED, PROVIDED IT EXTENDS INTO THE SOLID GROUND A MINIMUM OF 3 FEET.
3. INSTALL BEARING PLATE SO THAT THE "V" OPENING IS AT THE TOP.



ELEVATION VIEW



DETAIL A



DETAIL B

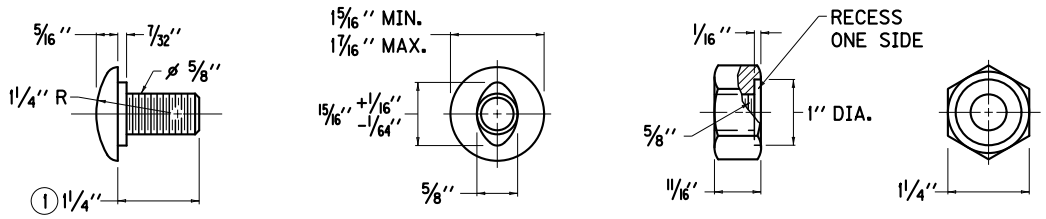
USE WITH CUR. STD. DWGS.
RBR-010 , RBI-001,
RBI-002, RBI-003

KENTUCKY
DEPARTMENT OF HIGHWAYS

GUARDRAIL
END TREATMENT
TYPE 2A

SUBMITTED _____ TEBM DIVISION OF DESIGN — 6-15-2012 DATE

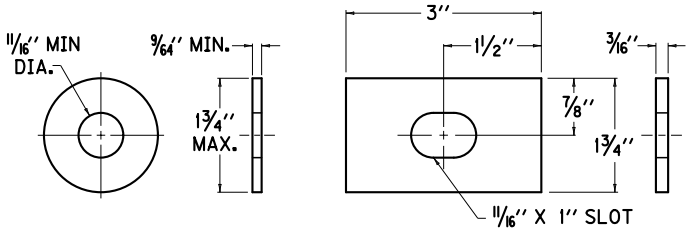
007



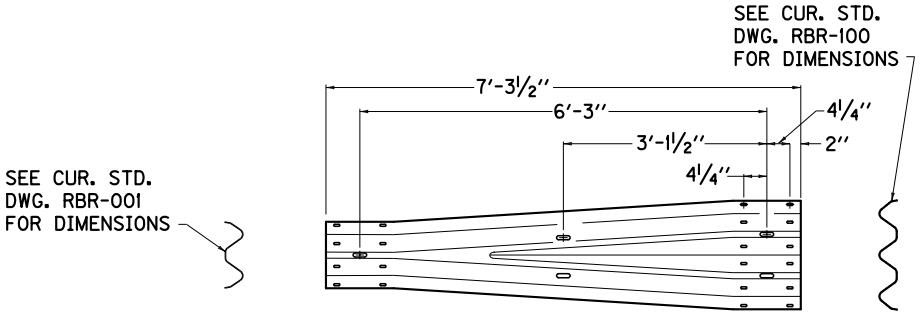
5/8" BUTTON HEAD BOLT AND RECESSED NUT

NOTES

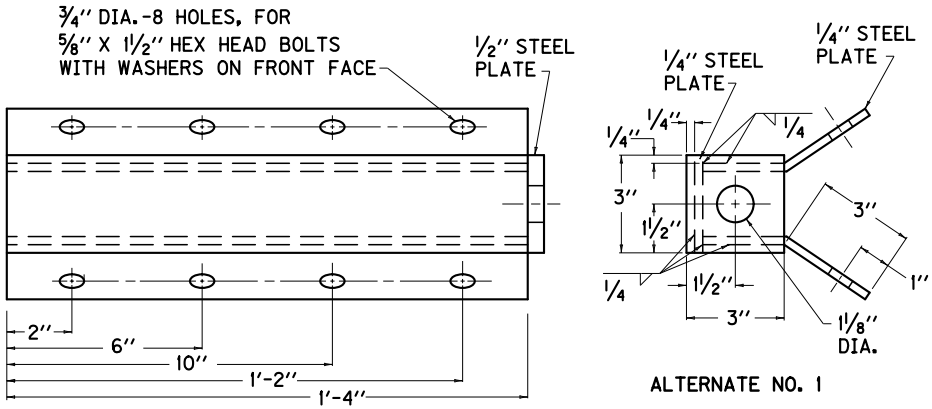
① RAIL BOLT SIMILAR EXCEPT LENGTH.
② THE THRIE BEAM TO "W" BEAM CONNECTOR SHALL COMPLY WITH AASHTO M-180 CLASS A, TYPE 2 EXCEPT WHERE IN CONFLICT WITH THIS DETAIL.



ROUND WASHER AND RECTANGULAR PLATE WASHER



THRIE BEAM TO "W" BEAM CONNECTOR ②



ALTERNATE NO. 1

ALTERNATE NO. 2

RAIL ANCHOR ASSEMBLY

KENTUCKY
DEPARTMENT OF HIGHWAYS

GUARDRAIL
COMPONENTS

SUBMITTED TEBM DIVISION OF DESIGN — DATE 6-15-2012

008

SPECIAL NOTES APPLICABLE TO
AUDUBON PARKWAY REHABILITATION PROJECT

DAVIESS COUNTY
ITEM NO. 2-2059.00

- FIXED COMPLETION DATE AND LIQUIDATED DAMAGES
- RIDE QUALITY ADJUSTMENT FOR DIAMOND GRINDING
- FULL DEPTH CONCRETE PAVEMENT REPAIR
- JPC PAVEMENT DIAMOND GRINDING
- REMOVING EXISTING TYPE V PAVEMENT MARKERS
- PORTABLE CHANGEABLE MESSAGE SIGNS
- K.P.D.E.S. PERMIT & TEMPORARY EROSION CONTROL
- PROTECTION OF UTILITIES
- TYPICAL SECTION DIMENSIONS

SEE BRIDGE PROPOSAL FOR SPECIAL NOTES RELATED TO BRIDGE WORK.

Special Note for Fixed Completion Date
And Liquidated Damages
Audubon Parkway
Daviess County
Item No. 2-2059.00

Contrary to Section 108.09, Liquidated Damages of $5,000 per calendar day will be assessed for each day or fraction thereof work remains uncompleted beyond the Specified Completion Date. This project has a Fixed Completion Date of September 1, 2013.

This project requires a winter shutdown period from November 15, 2012 until March 1, 2013. During this period traffic is to be maintained in its normal lane configuration (two lanes in each direction with no crossovers or slip ramps being used). For each calendar day or fraction thereof this requirement is not met, Liquidated Damages of $5,000 per calendar day will be assessed.

This project requires a traffic signal be installed on KY 1554 for repairs to the bridge over the Audubon Parkway specified in the Proposal. The proposed work on the bridge, which requires a lane closure, must be completed within 20 calendar days. For each calendar day or fraction thereof this requirement is not met, Liquidated Damages of $1,000 per calendar day will be assessed.

In addition to the Liquidated Damages specified above, Liquidated Damages in the following amounts will be charged when a lane closure remains in place during the prohibited period outlined in the Traffic Control Plan:

Mainline:	$500 for the first hour or fraction thereof $1,000 for the second hour or fraction thereof $2,000 for any additional hour or fraction thereof
Ramps:	$500 for the first hour or fraction thereof $1,500 any additional hour or fraction thereof

These hourly disincentives will still be in effect after the Fixed Completion Date and will be charged in addition to the $5,000 per calender day if warranted. The contractor is expected to make every effort to complete the work in order to open the ramp or mainline lane closure within the specified timeframe.

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. This includes the months from December through March.**

All liquidated damages will be applied cumulatively.

All other applicable portions of Section 108 apply.

11J

SPECIAL NOTE FOR FULL DEPTH CONCRETE PAVEMENT REPAIR

This Special Note applies to full depth repairs of concrete pavement. Section references herein are to the Department's 2012 Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. Remove and replace concrete pavement. Comply with the applicable Standard Drawings and the Standard Specifications except as specifically superseded herein.

2.0 MATERIALS AND EQUIPMENT.

2.1 JPC Pavement. Test concrete materials according to section 601.03.03. Conform to 501, 502, and 601 except that the concrete must achieve 3000 psi in accordance with Section 4.4 of this note. The Engineer may allow pavement to be opened to traffic at less than 3,000 psi subject to the deductions described in Section 4.4 of this note.

2.2 Dowel Bars and Sleeves. Conform to 811.

2.3 Tie Bars. Conform to Section 811. Use epoxy coated tie bars in longitudinal and transverse joints.

2.4 Joint Sealants. Conform to Subsection 807.03.01 or 807.03.05.

2.5 Grout Adhesives and Epoxy Resin Systems. Conform to Section 826.

2.6 Dense Graded Aggregate (DGA) and Crushed Stone Base (CSB). Conform to Section 805.

2.7 Geotextile Fabric. Conform to Section 843.

2.8 Drills. Drill holes using a gang drill, capable of drilling a minimum of four simultaneously. Misalignment of holes shall not exceed 1/4 inch in the vertical or oblique plane.

2.9 Hammers. Only use chisel point hammers weighing less than 40 pounds to remove deteriorated concrete.

3.0 CONSTRUCTION.

3.1 Removal of Existing Pavement. Remove existing pavement to the extent the Contract specifies or as the Engineer directs. The minimum length of patches measured along centerline is 3 feet on each side of an existing joint.

When working with pavements with non-skewed transverse joints, if it is necessary to remove existing pavement closer than 6 feet to a transverse joint, remove the pavement 3 feet beyond that joint .

When working with pavements with skewed transverse joints, if it is necessary to remove existing pavement closer than 3 feet to a transverse joint, remove the pavement 3 feet beyond that joint.

Details of configurations of pavement and joints for various situations are depicted in the drawings herein.

When small areas of removal and replacement are performed at bridge ends, maintain or reconstruct existing expansion joints at their existing location. When the Engineer determines extensive full width removal and replacement is required, construct new expansion joints at the locations shown on Standard Drawing No. RPN-010.

In the removal operation, make a full depth saw cut longitudinally along the centerline joint and shoulder joint and transversely along the area marked for removal. To prevent damage to the subbase, do not allow the saw to penetrate more than ½" into the subbase. The Engineer may direct or approve additional cuts within the removal area for ease of removal of the damaged slab and to prevent damage to adjacent pavement to remain in place. Do not overcut beyond the limits of the removal area. Prevent saw slurry from entering existing joints and cracks. To avoid pumping and erosion beneath the slab, do not allow traffic on sawed pavement for more than 48 hours before beginning removal procedures, unless directed by the Engineer.

Lift out the deteriorated concrete vertically with lift pins. If approved by the Engineer, use other methods that do not damage the base, shoulder, or sides of pavement that is to be left in place. If any damage does occur, repair as the Engineer directs and use an acceptable alternative method for the removal process. Do not damage the pavement base during these operations.

3.2 Pavement Replacement. Do not damage the pavement base during these operations.

3.2.1 Preparation of Base. Compact the new and existing aggregate base to the Engineer's satisfaction. The Engineer will accept compaction by either visual inspection or by nuclear gauge. When the Engineer deems it necessary to stabilize the existing base or replace unsuitable materials, excluding bridge ends, use 12 inches of geotextile fabric wrapped No. 2 aggregate topped with 4 inches of DGA or CSB. Use either Type III or Type IV geotextile fabric. Flowable fill and cement stabilization may be used as an alternative to stabilize the existing base or to replace unsuitable materials when a plan for such is presented to and approved by the Engineer. The Engineer may also direct using only DGA or CSB to correct base deficiencies. At bridge ends, treat existing base and subgrade as the Contract specifies. During compaction, wet the base as the Engineer directs. Compact areas not accessible to compaction equipment by hand tamping.

3.2.2 Underdrains. Construct, or repair damage to, pavement edge drains according to Section 704. If underdrains are placed omitting areas to be patched, construct additional lateral drains as necessary to provide outlets for the installed underdrain until performing the pavement replacement and completing the underdrain system. Provide drainage for any undercut or base repair areas.

3.2.3 Pavement Replacement. Using load transfer assemblies for dowel joints drill into the existing slab according to the details shown herein and on the Standard Drawings.

Use plain epoxy coated dowels of the size specified on the standard drawings based on the pavement thickness for contraction and expansion joints.

Drill holes for dowel bars and tie bars into the face of the existing slab, at a diameter as specified in the following. Drill the dowel bar holes and tie bar

holes to a depth equal to 1/2 the length of the bars. Anchor tie bars into the existing pavement using an epoxy resin. Anchor dowel bars into the existing pavement using either an epoxy resin or an adhesive grout. For tie bars and dowel bars where an epoxy resin is to be used drill the holes 1/8 inch larger than the bar diameter. For dowel bars where an adhesive grout product is to be used, drill holes 1/4 inch larger than the bar diameter. Use a clear or opaque grout retention disk in both grout and epoxy applications. Operate the equipment to prevent damage to the pavement being drilled. Obtain the Engineer's approval of the drilling procedure. Install load transfer assemblies according to the Standard Drawings and Standard Specifications.

When indicated herein or in the Standard Drawings, use 1 inch deformed tie bars, 18 inches long on 30-inch centers and starting and ending 20 inches inside the edges of the repair area in the longitudinal joint. Use 1 inch deformed tie bars, or plain epoxy coated dowel bars sized in accordance with the Standard Drawings, 18 inches long beginning 12 inches inside of each edge and on 12-inch centers in transverse construction joints.

Install the dowels and tie bars according to Section 511 unless contradicted here. Ensure the holes are dry and free of dust and debris. Use a nozzle to insert the grout or epoxy starting at the back of the drilled hole to allow for full coating of the dowel or tie bar. After placement, use a bond breaker on the section of the dowel bar that is protruding from the hole.

Mix, place, finish, and cure concrete according to Section 501 with the exception that the Department will allow truck mixing, 2-bag mixers, and hand finishing.

When required, use a form on the side of the slab at longitudinal joints. When the adjacent traffic lane is not closed to traffic or the drop-off is not protected, temporarily fill the space between the form and the adjacent pavement with DGA. After placing the slab, remove the DGA and form. Fill the hole with concrete and thoroughly consolidate by rodding, spading, and sufficient vibration to form a dense homogeneous mass. Use a form on the side of the slab adjacent to shoulders. Excavate and backfill as shown on Section F'-F'.

For patches less than 25 feet in length, use a bond breaker and do not install tie bars at the longitudinal joint. Bond breakers should not exceed 1/8 inch in thickness, e.g. tar paper.

When resurfacing is required, a float finish is satisfactory. Otherwise, broom finish or, when the adjacent surface has a grooved finish, texture the surface according to Subsection 501.03.13 H). Finish the surface, including joints, to meet a surface tolerance of 1/8 inch in 10 feet that will be verified by straightedge. Cure the pavement and apply curing membranes according to 501.03.15.

Keep all pavement surfaces adjacent to this operation reasonably clean of excess grout and other materials at all times. Maintain all original longitudinal joints. Place transverse joints according to the details shown herein and on the Standard Drawings.

3.3 Joint Sealing. Seal all new or partially new joints with silicone rubber sealant or hot-poured elastic joint sealant according to Subsection 501.03.18.

4.0 MEASUREMENT.

4.1 Remove JPC Pavement. The Department will measure the quantity in square yards of surface area. The Department will not measure removal of

underlying base material for payment and will consider it incidental to Remove JPC Pavement.

4.2 DGA or CSB. The Department will measure the quantity used to stabilize the existing base or to replace unsuitable material in tons. The Department will not measure removal of existing base material or underlying material for payment and will consider incidental to DGA or CSB. The quantity of DGA used for the drop-off protection shall be incidental to this work and will not be measured for payment.

4.3 JPC Pavement Non-Reinforced. The Department will measure according to 501.04.01. The Department will not measure dowels, tie bars, or joint sealing for payment and will consider it incidental to Non-Reinforced JPC Pavement.

JPC Pavement will be paid according to section 5.0 below and according to the following payment schedule based on the compressive strength. The cylinders for payment will be tested two hours prior the scheduled opening of traffic.

3000 psi and up	100% payment
2750 to 3000 psi	75% payment and approval from the Engineer to open to traffic*
2500 to 2750 psi	50% payment and approval from the Engineer to open to traffic*
2250 to 2500 psi	25% payment and approval from the Engineer to open to traffic*
Below 2250 psi	10% payment and no potential to open to traffic. Maintain traffic closure until concrete reaches a minimum of 2250 psi.

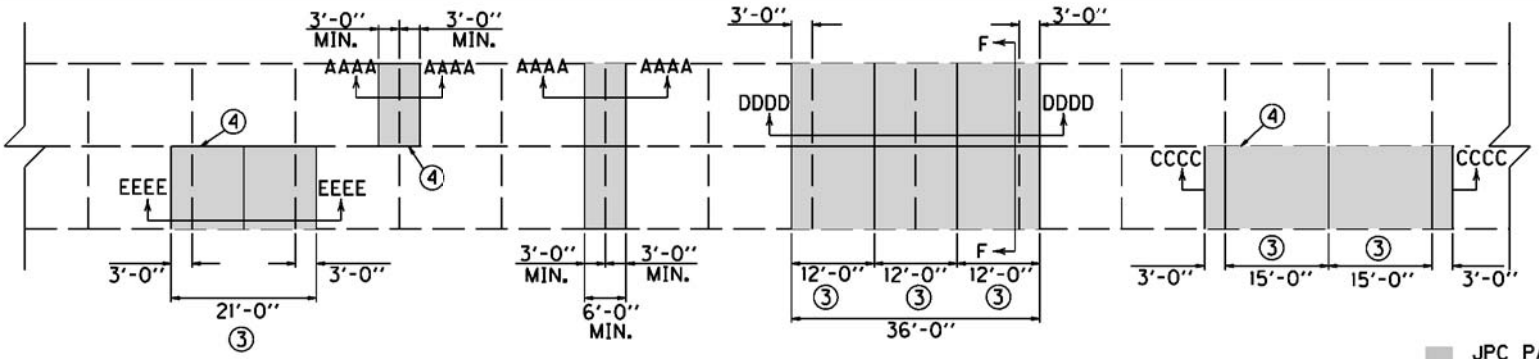
*If the Engineer approves opening to traffic, the Engineer will evaluate the concrete at 28 days (or sooner) to determine if the removal and replacement of the concrete is necessary due to pavement distress induced by the early opening (i.e. noticeable cracking). If required by the Engineer, remove and replace those slabs showing distress at no cost to the Department.

4.4 Underdrains. The Department will measure the quantity according to Subsection 704.04. The Department will not measure lateral drains for payment and will consider them incidental to the Underdrains.

5.0 PAYMENT. The Department will make payment for the completed and accepted quantities under the following:

Code	Pay Item	Pay Unit
----	Remove JPC Pavement	Square Yard
00001	DGA Base	Ton
00003	Crushed Stone Base	Ton
02069-02071, 02073, 02075, 02084, 02086, 02088	JPC Pavement Non-Reinforced, thickness	See Subsection 501.05
01000	Perforated Pipe, 4-inch	Linear Foot
02598, 02599	Fabric-Geotextile, Type	Square Yard

The Department will consider payment as full compensation for all work required in this provision.



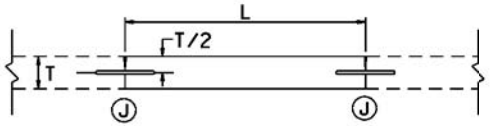
PLAN VIEW

1. SAW AT LOCATIONS "J" AND ALONG LONGITUDINAL JOINT (IF ONLY ONE LANE IS REMOVED) FULL DEPTH WITHOUT DAMAGE TO EXISTING CONCRETE. SAW RELIEF JOINTS AS THE ENGINEER DIRECTS OR APPROVES. REMOVE THE EXISTING JPC PAVEMENT TO THE LENGTH AND AT THE LOCATIONS NOTED ELSEWHERE IN THE CONTRACT. L=6 FEET MINIMUM AND LOCATIONS "J" SHALL NOT BE CLOSER THAN 6 FEET TO ANY TRANSVERSE JOINT BEYOND THE REPAIR.
2. INSTALL SMOOTH, LOAD TRANSFER DOWELS (EXCEPT USE TIE BARS FOR SECTION CCCC), 18 INCHES LONG (SEE STANDARD DRAWING NO. RPS-020 FOR DOWEL SIZE) AT LOCATIONS "J". INSTALL DOWELS (OR TIE BARS FOR SECTION CCCC) IN THE EXISTING CONCRETE USING EPOXY TYPE IV. INSTALL DOWELS (OR TIE BARS FOR SECTION CCCC) ON 12 INCH CENTERS BEGINNING 12 INCHES FROM THE EDGE OF THE SLAB.

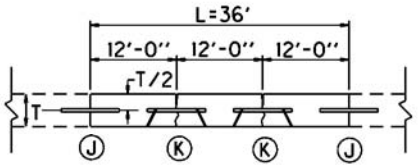
③ IF L IS GREATER THAN 20 FEET, INSTALL NEW LOAD TRANSFER ASSEMBLY(S) AND CONSTRUCT CONTRACTION JOINTS SUCH THAT THE DISTANCE BETWEEN JOINTS IN THE REPLACED SECTION IS NO LESS THAN 10 FEET OR MORE THAN 20 FEET. TRANSVERSE JOINTS SHALL BE SPACED APPROXIMATELY 15' EQUIDISTANT, BUT NOT LESS THAN 10 FEET OR NO MORE THAN 20 FEET. ADJUST JOINTS TO PROVIDE THE MINIMUM NUMBER OF JOINTS WITHOUT EXCEEDING THE 10-20 FOOT RANGE. INSTALL NEW LOAD TRANSFER ASSEMBLY(S) AND ALIGN LOAD TRANSFER ASSEMBLY(S) WITH AN EXISTING JOINT OR CRACK IN THE ADJACENT SLAB IF ONLY ONE LANE IS BEING REPLACED.

④ IF ONLY ONE LANE IS REMOVED, AND L>25', INSTALL NEW 1-INCH TIE BARS 18 INCHES LONG ON 30 INCH CENTERS IN THE LONGITUDINAL JOINT USING EPOXY TYPE IV. IF 2 OR MORE LANES ARE REMOVED, CONSTRUCT LONGITUDINAL JOINT(S) ACCORDING TO THE STANDARD DRAWING EXCEPT USE 1-INCH TIE BARS 18 INCHES LONG ON 30 INCH CENTERS. IF L≤25', DO NOT TIE THE LONGITUDINAL JOINT TO THE EXISTING LANE; USE A BOND BREAKER MATERIAL APPROVED BY THE ENGINEER THAT WILL ASSURE NO INTERACTION WITH THE ADJACENT LANE.

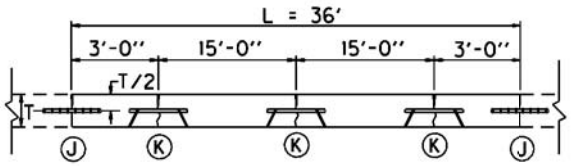
5. REPLACE WITH NON-REINFORCED JPC PAVEMENT AND INSTALL CONTRACTION JOINTS AT LOCATIONS "K" AND CONTRACTION JOINTS (OR A CONSTRUCTION JOINT FOR LOCATION CCCC) AT LOCATIONS "J". SAW AND SEAL ALL JOINTS.
6. SEE "CROSS SECTION" FOR SECTION F.



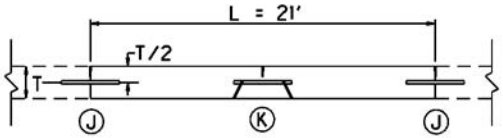
SECTION AAAA
JOINT REPLACEMENT



SECTION DDDD
FULL WIDTH REPLACEMENT
(INCLUDING JPC SHOULDERS)



SECTION CCCC
LANE REPLACEMENT WHERE ADJACENT
LANES OR JPC SHOULDERS WILL REMAIN

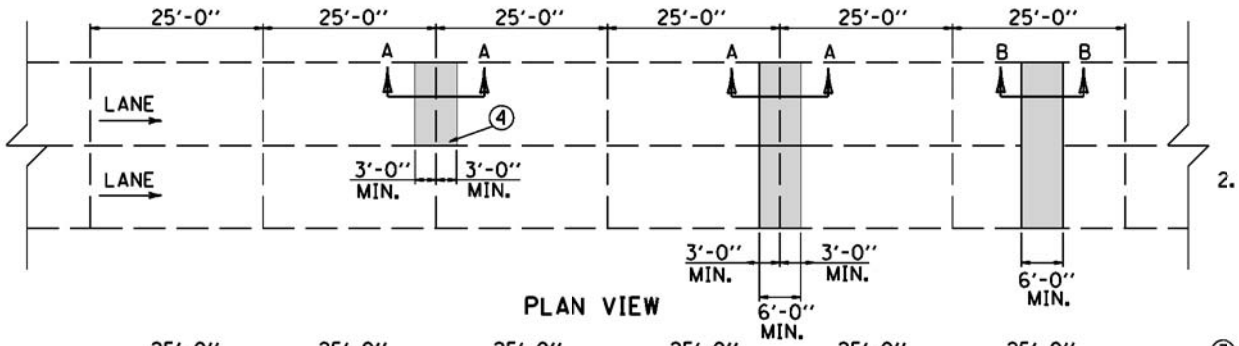


SECTION EEEE
LANE REPLACEMENT L≤25'

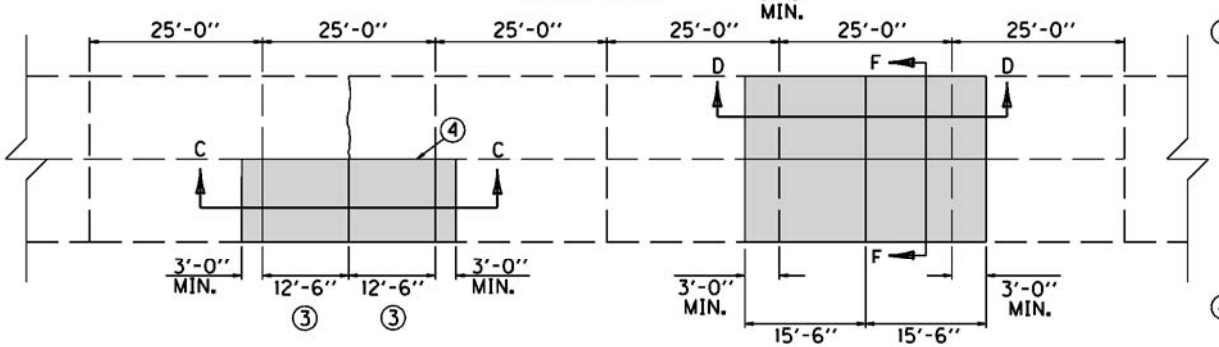
KENTUCKY
DEPARTMENT OF HIGHWAYS

15' JOINT SPACING

APPROVED _____ _____
TEBM DIVISION OF DESIGN DATE

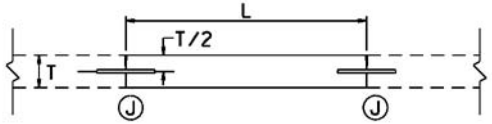


PLAN VIEW

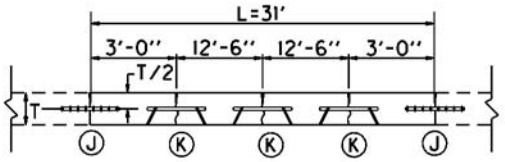


PLAN VIEW

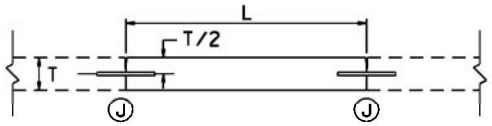
JPC PAVEMENT TO BE REMOVED



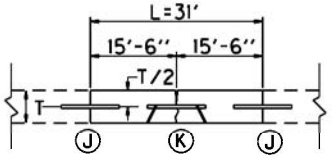
SECTION A
JOINT REPLACEMENT



SECTION C
LANE REPLACEMENT WHERE ADJACENT LANES OR JPC SHOULDERS WILL REMAIN



SECTION B
MID-SLAB REPLACEMENT



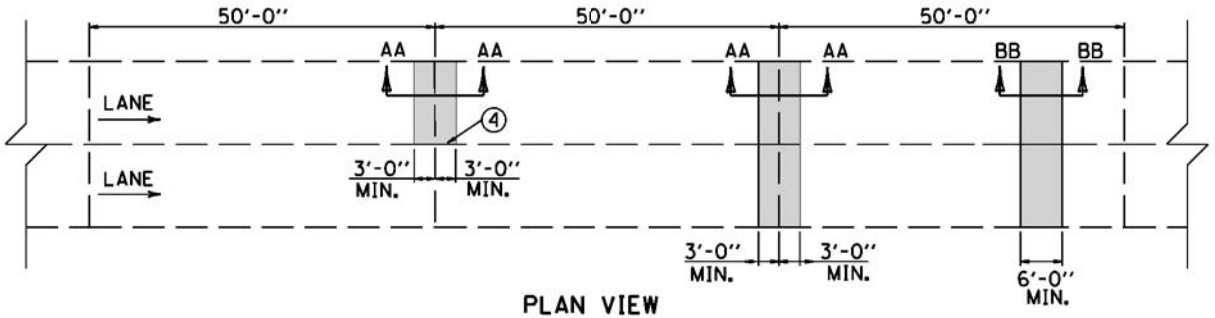
SECTION D
FULL WIDTH REPLACEMENT
(INCLUDING JPC SHOULDERS)

1. SAW AT LOCATIONS "J" AND ALONG LONGITUDINAL JOINT (IF ONLY ONE LANE IS REMOVED) FULL DEPTH WITHOUT DAMAGE TO EXISTING CONCRETE. SAW RELIEF JOINTS AS THE ENGINEER DIRECTS OR APPROVES. REMOVE THE EXISTING JPC PAVEMENT TO THE LENGTH AND AT THE LOCATIONS NOTED ELSEWHERE IN THE CONTRACT. L=6 FEET MINIMUM AND LOCATIONS "J" SHALL NOT BE CLOSER THAN 6 FEET TO ANY TRANSVERSE JOINT BEYOND THE REPAIR.
2. INSTALL SMOOTH, LOAD TRANSFER DOWELS (EXCEPT USE TIE BARS FOR SECTION C), 18 INCHES LONG (SEE STANDARD DRAWING NO. RPS-020 FOR DOWEL SIZE) AT LOCATIONS "J". INSTALL DOWELS (OR TIE BARS FOR SECTION C) IN THE EXISTING CONCRETE USING EPOXY TYPE IV. INSTALL DOWELS (OR TIE BARS FOR SECTION C) ON 12 INCH CENTERS BEGINNING 12 INCHES FROM THE EDGE OF THE SLAB.
3. IF L IS GREATER THAN 20 FEET, INSTALL NEW LOAD TRANSFER ASSEMBLY(S) AND CONSTRUCT CONTRACTION JOINTS SUCH THAT THE DISTANCE BETWEEN JOINTS IN THE REPLACED SECTION IS NO LESS THAN 10 FEET OR MORE THAN 20 FEET. TRANSVERSE JOINTS SHALL BE SPACED APPROXIMATELY 15' EQUIDISTANT, BUT NOT LESS THAN 10 FEET OR NO MORE THAN 20 FEET. ADJUST JOINTS TO PROVIDE THE MINIMUM NUMBER OF JOINTS WITHOUT EXCEEDING THE 10-20 FOOT RANGE. INSTALL NEW LOAD TRANSFER ASSEMBLY(S) AND ALIGN LOAD TRANSFER ASSEMBLY(S) WITH AN EXISTING JOINT OR CRACK IN THE ADJACENT SLAB IF ONLY ONE LANE IS BEING REPLACED.
4. IF ONLY ONE LANE IS REMOVED, AND L>25', INSTALL NEW 1-INCH TIE BARS 18 INCHES LONG ON 30 INCH CENTERS IN THE LONGITUDINAL JOINT USING EPOXY TYPE IV. IF 2 OR MORE LANES ARE REMOVED, CONSTRUCT LONGITUDINAL JOINT(S) ACCORDING TO THE STANDARD DRAWING EXCEPT USE 1-INCH TIE BARS 18 INCHES LONG ON 30 INCH CENTERS. IF L≤25', DO NOT TIE THE LONGITUDINAL JOINT TO THE EXISTING LANE; USE A BOND BREAKER MATERIAL APPROVED BY THE ENGINEER THAT WILL ASSURE NO INTERACTION WITH THE ADJACENT LANE.
5. REPLACE WITH NON-REINFORCED JPC PAVEMENT AND INSTALL CONTRACTION JOINTS AT LOCATIONS "K" AND CONTRACTION JOINTS (OR A CONSTRUCTION JOINT FOR LOCATION C) AT LOCATIONS "J". SAW AND SEAL ALL JOINTS.
6. SEE "CROSS SECTION" FOR SECTION F.

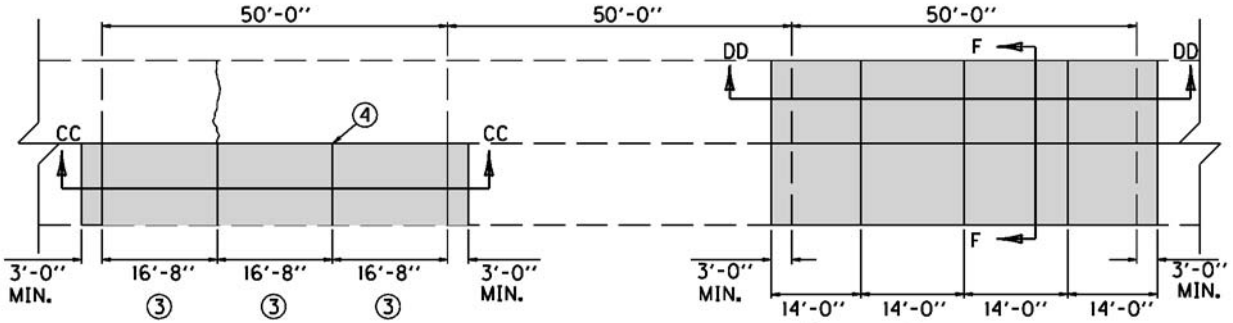
KENTUCKY DEPARTMENT OF HIGHWAYS

25' JOINT SPACING

APPROVED _____ TEBM DIVISION OF DESIGN _____ DATE

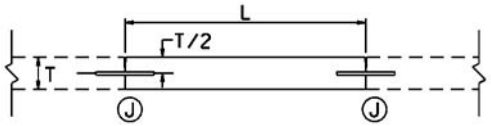


PLAN VIEW

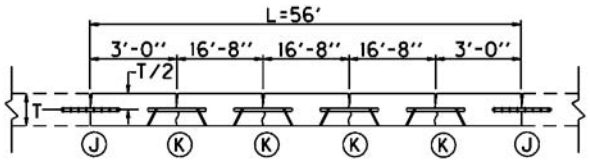


JPC PAVEMENT TO BE REMOVED

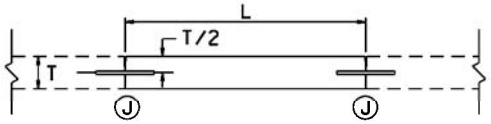
PLAN VIEW



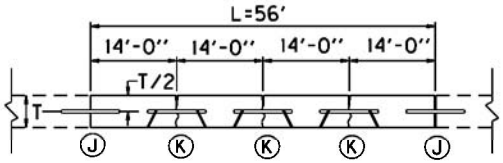
SECTION AA
JOINT REPLACEMENT



SECTION CC
LANE REPLACEMENT WHERE ADJACENT LANES OR JPC SHOULDERS WILL REMAIN



SECTION BB
MID-SLAB REPLACEMENT



SECTION DD
FULL WIDTH REPLACEMENT
(INCLUDING JPC SHOULDERS)

1. SAW AT LOCATIONS "J" AND ALONG LONGITUDINAL JOINT (IF ONLY ONE LANE IS REMOVED) FULL DEPTH WITHOUT DAMAGE TO EXISTING CONCRETE. SAW RELIEF JOINTS AS THE ENGINEER DIRECTS OR APPROVES. REMOVE THE EXISTING JPC PAVEMENT TO THE LENGTH AND AT THE LOCATIONS NOTED ELSEWHERE IN THE CONTRACT. L=6 FEET MINIMUM AND LOCATIONS "J" SHALL NOT BE CLOSER THAN 6 FEET TO ANY TRANSVERSE JOINT BEYOND THE REPAIR.
2. INSTALL SMOOTH, LOAD TRANSFER DOWELS (EXCEPT USE TIE BARS FOR SECTION CC), 18 INCHES LONG (SEE STANDARD DRAWING NO. RPS-020 FOR DOWEL SIZE) AT LOCATIONS "J". INSTALL DOWELS (OR TIE BARS FOR SECTION CC) IN THE EXISTING CONCRETE USING EPOXY TYPE IV. INSTALL DOWELS (OR TIE BARS FOR SECTION CC) ON 12 INCH CENTERS BEGINNING 12 INCHES FROM THE EDGE OF THE SLAB.

(3) IF L IS GREATER THAN 20 FEET, INSTALL NEW LOAD TRANSFER ASSEMBLY(S) AND CONSTRUCT CONTRACTION JOINTS SUCH THAT THE DISTANCE BETWEEN JOINTS IN THE REPLACED SECTION IS NO LESS THAN 10 FEET OR MORE THAN 20 FEET. TRANSVERSE JOINTS SHALL BE SPACED APPROXIMATELY 15' EQUIDISTANT, BUT NOT LESS THAN 10 FEET OR NO MORE THAN 20 FEET. ADJUST JOINTS TO PROVIDE THE MINIMUM NUMBER OF JOINTS WITHOUT EXCEEDING THE 10-20 FOOT RANGE. INSTALL NEW LOAD TRANSFER ASSEMBLY(S) AND ALIGN LOAD TRANSFER ASSEMBLY(S) WITH AN EXISTING JOINT OR CRACK IN THE ADJACENT SLAB IF ONLY ONE LANE IS BEING REPLACED.

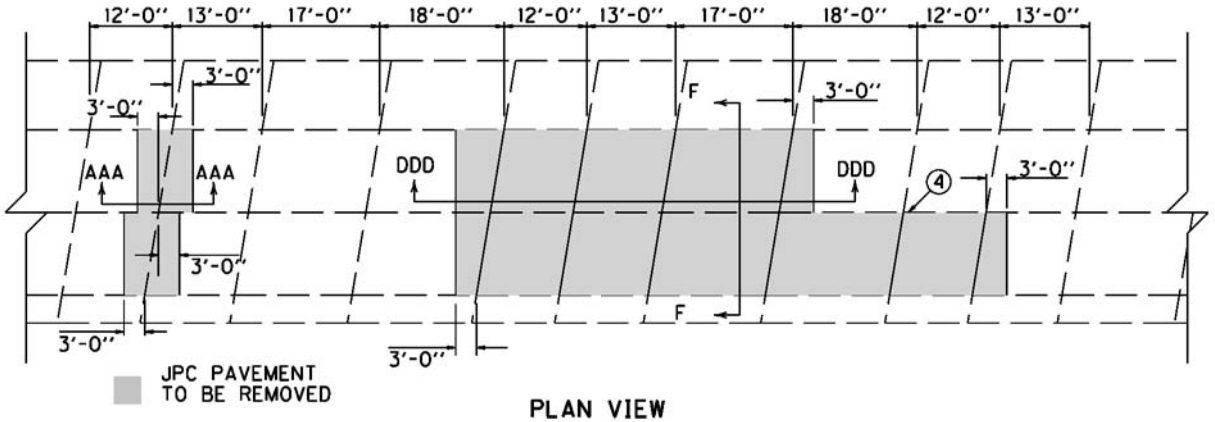
(4) IF ONLY ONE LANE IS REMOVED, AND L>25', INSTALL NEW 1-INCH TIE BARS 18 INCHES LONG ON 30 INCH CENTERS IN THE LONGITUDINAL JOINT USING EPOXY TYPE IV. IF 2 OR MORE LANES ARE REMOVED, CONSTRUCT LONGITUDINAL JOINT(S) ACCORDING TO THE STANDARD DRAWING EXCEPT USE 1-INCH TIE BARS 18 INCHES LONG ON 30 INCH CENTERS. IF L≤25', DO NOT TIE THE LONGITUDINAL JOINT TO THE EXISTING LANE; USE A BOND BREAKER MATERIAL APPROVED BY THE ENGINEER THAT WILL ASSURE NO INTERACTION WITH THE ADJACENT LANE.

5. REPLACE WITH NON-REINFORCED JPC PAVEMENT AND INSTALL CONTRACTION JOINTS AT LOCATIONS "K" AND CONTRACTION JOINTS (OR A CONSTRUCTION JOINT FOR LOCATION CC) AT LOCATIONS "J". SAW AND SEAL ALL JOINTS.
6. SEE "CROSS SECTION" FOR SECTION F.

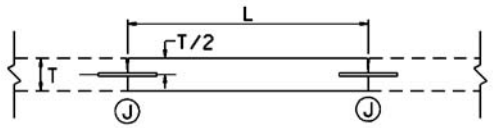
KENTUCKY DEPARTMENT OF HIGHWAYS

50' JOINT SPACING

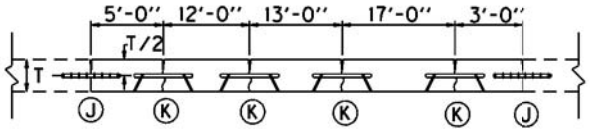
SUBMITTED _____ TEBM DIVISION OF DESIGN _____ DATE



PLAN VIEW



SECTION AAA
JOINT REPLACEMENT



SECTION DDD
LANE REPLACEMENT
(ALWAYS MATCH EXISTING JOINTS)

1. SAW AT LOCATIONS "J" AND ALONG LONGITUDINAL JOINT (IF ONLY ONE LANE IS REMOVED) FULL DEPTH WITHOUT DAMAGE TO EXISTING CONCRETE. SAW RELIEF JOINTS AS THE ENGINEER DIRECTS OR APPROVES. REMOVE THE EXISTING JPC PAVEMENT TO THE LENGTH AND AT THE LOCATIONS NOTED ELSEWHERE IN THE CONTRACT. L=6 FEET MINIMUM AND LOCATIONS "J" SHALL NOT BE CLOSER THAN 6 FEET TO ANY TRANSVERSE JOINT BEYOND THE REPAIR.
2. INSTALL SMOOTH, LOAD TRANSFER DOWELS (EXCEPT USE TIE BARS FOR SECTION DDD), 18 INCHES LONG (SEE STANDARD DRAWING NO. RPS-020 FOR DOWEL SIZE) AT LOCATIONS "J". INSTALL DOWELS (OR TIE BARS FOR SECTION DDD) IN THE EXISTING CONCRETE USING EPOXY TYPE IV. INSTALL DOWELS (OR TIE BARS FOR SECTION DDD) ON 12 INCH CENTERS BEGINNING 12 INCHES FROM THE EDGE OF THE SLAB.
3. IF L IS GREATER THAN 20 FEET, INSTALL NEW LOAD TRANSFER ASSEMBLY(S) AND MATCH EXISTING JOINTS. INSTALL NEW LOAD TRANSFER ASSEMBLY(S) AND ALIGN LOAD TRANSFER ASSEMBLY(S) WITH EXISTING JOINTS IN ADJACENT SLABS.

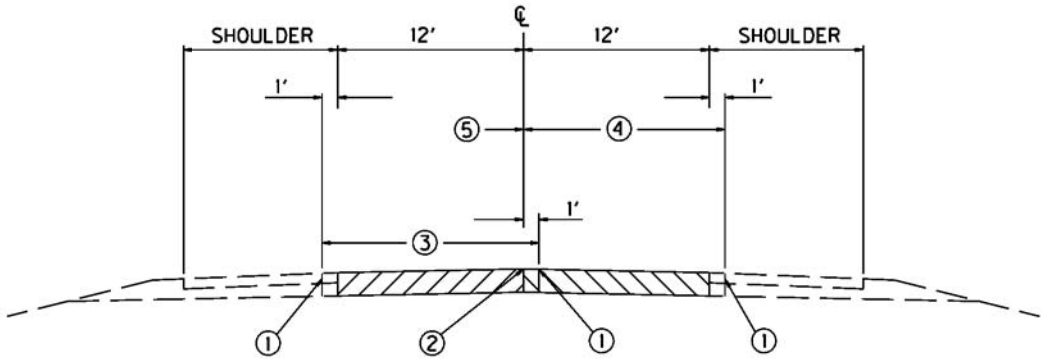
④ IF ONLY ONE LANE IS REMOVED, AND L>25', INSTALL NEW 1-INCH TIE BARS 18 INCHES LONG ON 30 INCH CENTERS IN THE LONGITUDINAL JOINT USING EPOXY TYPE IV. IF 2 OR MORE LANES ARE REMOVED, CONSTRUCT LONGITUDINAL JOINT(S) ACCORDING TO THE STANDARD DRAWING EXCEPT USE 1-INCH TIE BARS 18 INCHES LONG ON 30 INCH CENTERS. IF L≤25', DO NOT TIE THE LONGITUDINAL JOINT TO THE EXISTING LANE; USE A BOND BREAKER MATERIAL APPROVED BY THE ENGINEER THAT WILL ASSURE NO INTERACTION WITH THE ADJACENT LANE.

5. REPLACE WITH NON-REINFORCED JPC PAVEMENT AND INSTALL CONTRACTION JOINTS AT LOCATIONS "K" AND CONTRACTION JOINTS (OR A CONSTRUCTION JOINT FOR LOCATION DDD) AT LOCATIONS "J". SAW AND SEAL ALL JOINTS.
6. SEE "CROSS SECTION" FOR SECTION F.

KENTUCKY
DEPARTMENT OF HIGHWAYS

RANDOM SKEWED

APPROVED _____ _____
TEBM DIVISION OF DESIGN DATE



SECTION F

① SAW-CUT LINE. THIS ONE FOOT IS TO ALLOW FOR A FORM AND THE REMOVAL AND REPLACEMENT SHALL BE INCIDENTAL TO THE WORK, EXCEPT NEW ASPHALT MIXTURE SHALL BE PAID DIRECT ON A TONNAGE BASIS, AND NEW JPC PAVEMENT WILL BE PAID BY THE SQUARE YARD. COMPACT THE DGA BASE BY MECHANICAL TAMPERS TO THE ENGINEER'S SATISFACTION.

② EXISTING LONGITUDINAL JOINT.

③ FIRST SLAB REMOVAL LIMITS AND REPLACE 12-FOOT LANE.

④ SECOND SLAB REMOVAL LIMITS AND REPLACE 12-FOOT LANE.

⑤ THIS ONE FOOT IS TO ALLOW FOR A FORM ON THE FIRST POUR, AND A TEMPORARY PAVEMENT IS REQUIRED. THE DEPARTMENT WILL NOT REQUIRE REMOVAL OF THIS ONE FOOT IF THE GRADE OF THE EXISTING PAVEMENT IS ADEQUATE TO ENSURE THE NEW CONCRETE CAN BE PLACED AND FINISHED TO THE SATISFACTION OF THE ENGINEER. ANY TEMPORARY PAVEMENT IS INCIDENTAL TO JPC PAVEMENT.

6. THE ABOVE DRAWING DEPICTS THE ORDER OF SLAB REMOVAL WHEN BOTH ARE TO BE REMOVED AT THE SAME LOCATION. WHEN ONLY ONE SLAB OR LANE IS TO BE REMOVED, REMOVE AND REPLACE ACCORDING TO SECTION C, CC, OR CCCC. TRAFFIC CONTROL WILL SPECIFY WHICH LANE TO REMOVE FIRST.

KENTUCKY
DEPARTMENT OF HIGHWAYS

CROSS SECTION

APPROVED _____ _____
TEBM DIVISION OF DESIGN DATE

SPECIAL NOTES FOR JPC PAVEMENT
DIAMOND GRINDING REHABILITATION
DAVIESS COUNTY
AUDUBON PARKWAY (AU 9005)
Item No. 2-2059.00

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

I. DESCRIPTION

Perform all work in accordance with the Department's 2012 Standard Specifications, Supplemental Specifications, Special Notes, other applicable Special Provisions and applicable Standard and Sepia Drawings, except as hereafter specified. Article references are to the Standard Specifications. Furnish all materials, labor, equipment, and incidentals for the following work:

(1) Maintain and Control Traffic including construction of median crossovers and slip ramps as shown in the Proposal.

(2) On both directions of the Audubon Parkway and the four ramps in the Audubon Parkway/US 60 Bypass interchange, perform full depth concrete pavement removal and replacement in accordance with the Special Note for Full Depth Concrete Pavement Repair at the locations specified in the "Concrete Pavement Repair Summary". After the pavement patching is complete and all existing Type V pavement markers have been removed per the Special Note for Removal of Type V pavement Markers, diamond grind all concrete pavement within the limits of the project, including the ramps in the US 60 Bypass interchange. After diamond grinding an area, saw and seal all longitudinal and transverse joints and install new Type V pavement markers and permanent striping.

(3) Mill & Overlay the existing asphalt shoulders on both directions of the Audubon Parkway and the shoulders of Ramps A, Ramp B, Ramp C and Ramp D in the Audubon Parkway /US 60 interchange. Three permanent median crossovers are to be overlain with the same asphalt used for the mainline shoulders. Remove the existing asphalt wedge curbs and associated flumes shown on the "Curb and Flume Summary". Do not disturb the existing pavement edge drains or their outlet headwalls.

(4) Mill & Overlay the existing asphalt pavement and shoulders and construct Saw & Seal Asphalt Joints per the detail shown in the Proposal at the locations listed in the "Saw and Seal Asphalt Joint Summary" for Ramp A, Ramp B, Ramp C and Ramp D in the Audubon Parkway and KY 1554 interchange. Remove the existing asphalt wedge curbs and associated flumes shown on the

"Curb and Flume Summary".

(5) Mill & Overlay the existing asphalt pavement and shoulders on KY 1554 within the limits shown in the Proposal. Remove the existing asphalt wedge curbs shown on the "Curb and Flume Summary".

(6) Remove and replace Guardrail and Guardrail End Treatments as shown in the Proposal and/or as directed by the Engineer. Any settled or damaged shoulder areas under the guardrail are to be repaired and brought up to the grade of the adjacent concrete pavement with asphalt millings from the project. This work will be incidental to the milling bid item.

(7) Place latex concrete overlays on the twin Audubon Parkway bridges over Worthington Road and the KY 1554 bridge over the Audubon Parkway and perform all other bridge work, including joint eliminations, detailed in the Proposal.

(8) All other work specified as part of this contract.

II. MATERIALS

Except as specified in these notes or on the drawings, all materials will be accordance with the Standard Specifications and applicable Special Provisions and Special Notes. The Department will sample and test all materials according to Department's Sampling Manual and the Contractor will have the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing, unless otherwise specified in these notes.

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Joint and Crack Sealing. For joints and cracks, use Hot-Poured Elastic Joint Sealant conforming to section 807.03.01.

C. Dense Graded Aggregate. Crushed Stone Base may not be furnished in lieu of DGA.

D. Jointed Plain Concrete Pavement 9". Use Jointed Plain Concrete Pavement 9" for full depth replacement of concrete pavement in the driving lanes and shoulders. Either central mixing or truck mixing will be allowed.

E. Pavement Markings - 6 inch. Use Durable Waterborne Marking - 6-inch for permanent striping (12 inch at entrance and exit ramp tapers). See section 842 of the Standard Specifications.

F. Crushed Aggregate Size No. 2. Crushed Aggregate Size No. 2 will be limestone.

III. CONSTRUCTION METHODS

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Site Preparation. Be responsible for all site preparation. Do not disturb existing signs. This item will include, but is not limited to, incidental excavation and backfilling; removal of bituminous pavement; removal of all obstructions or any other items; disposal of materials; sweeping and removal of debris; shoulder preparation and restoration, temporary and permanent erosion and pollution control; and all incidentals. Site preparation will be only as approved or directed by the Engineer. Other than the bid items listed, no direct payment will be made for site preparation, but will be incidental to the other items of work.

C. Construction Methods for Full Depth JPC Patching Repairs. Except as specified in these notes, perform full depth concrete pavement removal and replacement in accordance with the Special Note for Full Depth Concrete Pavement Repair. Approximate removal locations are listed in the Proposal. The Engineer will determine the actual locations at the time of construction, and may add to the listed repairs if deemed necessary. Remove pavement for full depth repairs by a saw cut and lift method without disturbing the underlying base or damaging the adjacent pavement remaining in place. Do not "pre-saw" in advance until ready for slab removal within 48 hours. (The Engineer will not allow the slab to be sawed and then to remain in place for more than 48 hours.) Do not hammer or break pavement by other means to facilitate removal. Do not over-saw into existing JPC Pavement not intended to be removed. The original nominal depth of the mainline JPC pavement is 9 inches. However, the finished grade will be transitioned to match the adjacent pavement to remain in place. Gang drills, capable of drilling a minimum of four holes at a time, are required for dowel, hook bolt, and tie bar placement, unless otherwise approved by the Engineer.

Remove and replace concrete pavement in a continuous operation in accordance with the traffic control plan and these notes. Remove and replace concrete pavement in such a manner that removal and replacement is accomplished on the same day at each location. Once removal has begun, work continuously until the new JPC Pavement is placed and the elimination of the hole is completed. Hand finishing will be allowed, however, use a vibrating or roller screed for initial strike off. The entire concrete repair is to be "straight edged" with a tool no less than 10 feet long to ensure the best possible ride and that the new repair matches well with the existing pavement. A minimum compressive strength of 3000 PSI must be attained, as well as completion of any other related items specified in the Proposal prior to opening a repair site to traffic. Use of a maturity meter to verify that JPC is ready for traffic is permitted and is incidental to the work.

D. Diamond Grinding. Repair the JPC pavement and Diamond Grind the mainline JPC pavement and all ramps in the US 60 Bypass interchange. Stations listed in the diamond grinding summary are approximate only; the Engineer will designate actual locations at the time of construction. Make one or more passes with the grinding equipment as needed to obtain the rideability required by the Special Note for Ride Quality Adjustment for Diamond Grinding which is contrary to Section 503.03.09. Omit grinding on bridge decks.

Perform additional grinding as directed by the Engineer to provide smooth transitions between traffic lanes and between ground and unground areas. Clean and sweep Diamond Ground areas before opening those areas to traffic. Sweeping associated with Diamond Grinding is incidental to Diamond Grinding. Dispose of all grindings, shavings, and debris off site at locations approved by the Engineer.

E. Joint Sealing. After diamond grinding, saw, clean, and reseal transverse and longitudinal joints including those on the shoulders as designated by the Engineer. Do not widen existing joints more than the absolute minimum required to provide a clean, new face for a reservoir for the new joint seal.

F. Edge Drains. There are existing edge drains in place along the inside and outside of the mainline in both directions. They and their outlet headwalls are to be protected and not disturbed by the proposed construction.

G. Disposal of Waste. Dispose of all cuttings, debris, and other waste off the right-of-way at approved sites obtained by the Contractor at no additional cost to the Department. The Contractor will be responsible for obtaining any necessary permits for this work. Temporary openings in the right of way fence for direct access to waste sites off the right of way or for access to other public roads will not be allowed. No separate payment will be made for the disposal of waste and debris from the project or obtaining the necessary permits, but will be incidental to the other items of the work.

H. Final Dressing and Clean Up. After all work is completed, completely remove all debris from the job site. Perform Class A Final Dressing on all disturbed areas. These items are incidental to other items in the contract.

I. Seeding and Protection. Immediately after final dressing is completed on an area, place erosion control blanket or seeding and protection on the area as directed by the Engineer.

J. Guardrail. Remove and replace guardrail and guardrail end treatments listed in the Guardrail Summary. Quantities are approximate only. Actual locations will be determined by the Engineer at the time of construction. The newer existing Type 1 end treatments are to remain. Grade and reshape shoulders to proper template for new end treatments with millings from the project. This work will be incidental to the millings bid item.

The Contractor shall deliver existing salvaged guardrail system materials per Section 719.03.07 to the Guardrail and Sign Center at 1224 Wilkinson Blvd in Frankfort, KY. Contact the Lot Supervisor at (502) 564-8187 to schedule delivery of the material. Deliver the material between the hours of 8:00 AM and 3:30 PM Eastern Time, Monday through Friday. Remove any existing guardrail with a lane closure in place. Do not leave the area unprotected. After the guardrail is removed, a shoulder closure shall remain in place until the guardrail is replaced in that area. There is a guardrail delivery verification sheet included in the Proposal which must be completed.

K. Pavement Striping and Pavement Markers. Permanent striping will be in accordance with Section 112 and section 713, except that:

(1) Striping will be 6" in width (12" in ramp gore areas);
(2) Permanent striping will be in place before a lane is opened to traffic; and
(3) Permanent striping will be 6" Durable Waterborne Marking. (12" Durable Waterborne Marking in ramp gore areas)

L. On-Site Inspection. Each Contractor submitting a bid for this work will make a thorough inspection of the site prior to submitting a bid and will thoroughly familiarize himself with existing conditions so that the work can be expeditiously performed after a contract is awarded. Submission of a bid will be considered evidence of this inspection having been made. Any claims resulting from site conditions will not be honored by the Department.

M. Utility Clearance. It is not anticipated that utility facilities will need to be relocated and/or adjusted; however, in the event that it is discovered that the work does require that utilities be relocated and/or adjusted, the utility companies will work concurrently with the Contractor while relocating their facilities.

IV. METHOD OF MEASUREMENT

A. Maintain and Control Traffic. See the Traffic Control Plan.

B. Site Preparation. Other than the bid items listed, site preparation will not be measured for payment, but will be incidental to the other items of work.

C. Crushed Aggregate Size No. 2. Crushed Aggregate will be used in the event it is necessary to stabilize under any of the full depth slab removal. Payment will be based on the tons used for stabilization.

D. Dense Graded Aggregate. Asphalt Pavement millings will be used instead of DGA in the event it is necessary to stabilize the subgrade under any of the full depth slab removal areas. A 4 inch lift of the millings will be placed on the Crushed Aggregate No. 2s or may be used to bring the slab removal area up to grade when No. 2's are not required. No additional payment for the millings will be made.

E. Remove JPC Pavement. See the Special Note for Full Depth Concrete Pavement Repair. Cement concrete pavement removed in full depth pavement repair areas will be measured in square yards, regardless of thickness.

F. JPC Pavement–9". See the Special Note for Full Depth Concrete Pavement Repair. JPC Pavement-9" will be measured by the square yard installed. No additional payment will be made for any additional concrete required due to a depth beyond 9".

G. Saw-Clean-Seal Joints. Longitudinal and transverse joints sawed, cleaned, and sealed will be measured in linear feet.

H. Smooth Dowels, Deformed Tie Bars and Hook Bolts. Smooth dowels, deformed tie bars, hook bolts, and joint sealing at JPC pavement repair areas will not be measured for payment, but will be incidental to JPC Pavement 9".

I. Raised Pavement Markers and Permanent Striping. Durable Waterborne Marking (6" and 12") is measured per linear foot. Type V Pavement Markers are measured as each installed.

J. Final Dressing and Clean Up. Final Dressing and Clean Up will not be measured for separate payment, but will be incidental to other items of work.

K. Seeding and Protection. Estimated quantities have been included for Erosion Control Blanket and/or Seeding and Protection to be used as approved or requested by the Engineer on any areas disturbed by this project.

L. Hauling Guardrail. Hauling Guardrail will not be measured and is incidental to removing guardrail.

V. BASIS OF PAYMENT

No direct payment will be made other than for the bid items listed in this note or the Proposal. All other items required to complete the construction will be incidental to the bid items listed. Existing signs damaged by the Contractor will be replaced by the Contractor at his expense.

A. Maintain and Control Traffic. See the Traffic Control Plan.

B. Site Preparation. Other than the bid items listed, no direct payment will be allowed for site preparation, but will be incidental to the other items of work.

C. Dense Grade Aggregate. Asphalt millings from the project will be used instead of DGA.

D. Remove JPC Pavement. See the Special Note for Full Depth Concrete Pavement Repair.

E. JPC Pavement–9". See the Special Note for Full Depth Concrete Pavement Repair. No additional payment will be made for any additional concrete required due to a depth beyond 9".

F. Raised Pavement Markers and Permanent Striping. See the Traffic Control Plan.

SPECIAL NOTE FOR REMOVING EXISTING TYPE V RAISED PAVEMENT MARKERS ON PORTLAND CEMENT PAVEMENT AUDUBON PARKWAY

Before diamond grinding, remove existing Type V snow plowable raised pavement markers (iron castings) from concrete pavement and patch the hole with EUCO-SPEED MP magnesium phosphate patching mortar. The specifications for this material are shown on the following pages of the note. This material can be diamond ground unless otherwise noted by the manufacturer. A two inch minimum depth saw cut is to be made around the perimeter of each marker prior to its removal to minimize the void to be created by its removal. The entire hole created by removal of the existing concrete pavement must be a minimum of two inches deep. The saw cut area is to include any cracks extending from the raised pavement marker and must extend to the longitudinal joint adjacent to the pavement marker. This saw cut will also create a clean, smooth vertical face to which the material used to fill the void can bond.

Removal of Type V pavement markers will be paid at the contract price each, which shall be full compensation for removing the markers, including saw cutting the pavement around them, providing and placing patching mortar and disposing of the castings and any debris. The mainline quantity was estimated by dividing the length of each run of markers by their average spacing (80') plus one. Quantities in gore areas and on ramps are based on a field survey of them. Actual quantities removed will be verified by the Engineer. Areas where pavement markers were located but the iron casting is missing are to be repaired in the same manner as if the pavement marker were still in place.

Contrary to the Standard Specifications, removal of any Type V raised pavement markers in concrete pavement areas which are to be removed by full depth JPC patches will be incidental to the "Remove PCC Pavement" bid item.

Contrary to the Standard Specifications, removal of any Type V raised pavement markers in asphalt pavement areas which are to be milled will be incidental to the "Asphalt Pave Milling and Texturing" bid item.

EUCO-SPEED MP

Magnesium Phosphate Patching Mortar

Description

Euco-Speed MP is a rapid setting, very rapid hardening magnesium phosphate material for patching and repair of concrete and masonry surfaces. EUCO-SPEED MP requires only the addition of water and can be installed with standard tools, equipment and procedures. It bonds tenaciously to properly prepared concrete and provides a durable patch which is resistant to freeze/thaw cycling and deicing salts. For temperatures above 85°F (29°C), EUCO-SPEED MP HOT WEATHER should be used. For large placements use EUCO-SPEED MP HOT WEATHER extended with pea gravel.

Primary Applications

- Bridge decks
- Anchoring
- Parking garages
- Floors
- Walls (formed)
- Pavements
- Marine structures
- Joint repairs

Features/Benefits

- Rapid setting for quick repairs in less than one hour
- Extremely high early strength for quick turnaround time
- Easy to use one part system
- Suitable for both interior and exterior applications
- Durable under freeze/thaw cycling and salt exposure
- Versatility in thickness from 1/2" (1.25 cm) to 8" (20 cm) when extended with aggregate
- May be placed and cured at 0°F (-17°C)
- Can contribute to LEED points

Technical Information

Typical Engineering Data*

Compressive Strength ASTM C 109, 2" (50 mm) cubes @72°F (22°C)

Age	Strength
2 hours	3,500 psi (24 MPa)
3 hours	5,000 psi (35 MPa)
6 hours	5,500 psi (38 MPa)
1 day	6,000 psi (41 MPa)
3 days	6,500 psi (45 MPa)
7 days	7,000 psi (48 MPa)
28 days	7,500 psi (52 MPa)

Flexural Strength ASTM C 78

4 hours	400 psi (2.8 MPa)
3 days	500 psi (3.4 MPa)

Bond Strength ASTM C 882 (modified)

3 hours	1,000 psi (7 MPa)
1 day	1,300 psi (9 MPa)
3 days	1,500 psi (10 MPa)
7 days	1,600 psi (11 MPa)
28 days	1,700 psi (12 MPa)

Freeze/Thaw Resistance ASTM C-666 Procedure A*

500 Cycles..... 93% relative dynamic modulus

Wheel Traffic ..... 1 to 2 hours

Setting Time (Gillmore Needles)

Initial Set ..... 8 to12 min.

Final Set ..... 12 to 20 min.

* All testing was conducted on neat material under controlled laboratory conditions. Do not expect similar compressive strength results using cylinder type molds. Also, strengths will be affected by the amount and type of aggregate added to extend EUCO-SPEED MP.

Appearance: EUCO-SPEED MP is a free flowing powder as packaged. After mixing and placing, the color may initially appear slightly darker than the surrounding concrete. While this color will lighten up substantially as the concrete cures and dries out, the repair may always appear somewhat darker than the surrounding concrete.

Packaging/Yield

EUCO-SPEED MP is available in 50 lb (22.7 kg) bags or pails. **Yield:** Approximately 0.42 ft^3 (0.012 m^3) of mortar when mixed with 0.45 gal (1.7 L) of water. For areas deeper than 1" (25.4 mm), EUCO-SPEED MP must be extended with up to 30 lb (13.6 kg) of 3/8" (9.5 mm) pea gravel*. Yield will increase to approximately 0.57 ft^3 (0.016 m^3) per unit.* Use only dust free, properly graded hard aggregate. **Never extend EUCO-SPEED MP with limestone or aggregate containing limestone.**

Shelf Life

1 year in original, unopened package.

The Euclid Chemical Company
19218 Redwood Rd. • Cleveland, OH 44110
Phone: [216] 531-9222 • Toll-free: [800] 321-7628 • Fax: [216] 531-9596
www.euclidchemical.com
An RPM Company

Specifications/Compliances

ASTM C 928, Standard Specifications for Packaged, Dry, Rapid-Hardening Cementitious Materials for Concrete Repair.

Coverage

One unit of EUCO-SPEED MP will cover approximately 10 ft^2 (0.93 m^2) when placed at an average depth of 1/2" (13 mm). When one unit of material is extended with 30 lb (13.6 kg) of 3/8" (9.5 mm) pea gravel, the mixed material will cover 13.7 ft^2 (1.3 m^2) when placed at an average depth of 1/2" (13 mm).

Directions for Use

Surface Preparation: Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 5-7 in accordance with ICRI Guideline 310.2. Properly clean profiled area. **Priming:** Clean and prime exposed steel using a spray or brush coat of DURAPREP A.C.

Bonding: EUCO-SPEED MP requires no bond coat.

Mixing: Single bags may be mixed with a drill and "jiffy" mixer. Use a paddle type mortar mixer for large jobs. Add the appropriate amount of water for the batch size and then add the EUCO-SPEED MP. **The amount of water to be mixed with EUCO-SPEED MP is critical. Add between 0.4 to 0.5 gal (1.5 to 1.9 L) of water per 50 lb (22.7 kg) unit.** Mix material for about 2 minutes. The mixed material should be quickly transported to the repair area and placed immediately. For patches greater than 1" (25 mm) in depth, pea gravel must be used. Add the pea gravel (up to 30 lb (13.6 kg)) after the neat material has mixed, then mix for an additional 1 minute. In hot weather, grater than 85°F (29°C), the use of EUCO-SPEED MP HOT WEATHER is recommended. For large placements, regardless of the temperature, EUCO-SPEED MP HOT WEATHER is recommended along with the use of cold water to extend setting time.

Placement: EUCO-SPEED MP requires a minimum depth of 1/2" (13 mm). Spread with a trowel, screed, come-a-long or square tipped shovel to a thickness that matches the surrounding concrete. EUCO-SPEED MP sets quickly, the time available for placement and finishing will be very limited.

Finishing: Finish EUCO-SPEED MP to the desired float or broom finish texture. Do not add additional water to the surface during the finishing operation.

Curing and Sealing: EUCO-SPEED MP is self-curing. Never wet cure this product.

Clean-Up

Clean tools and equipment with water before the material hardens.

Precautions/Limitations

- Do not overwater.
- The curing of EUCO-SPEED MP is a chemical reaction that gives off heat. Mixed material must be maintained at or below 180°F (82°C) if satisfactory results are to be expected.
- Although EUCO-SPEED MP may be used down to 0°F (-17°C), the material must be stored at a room temperature of 60-70°F (16-21°C) for at least 24 hours prior to use.
- Do not add sand or cement.
- Do not place EUCO-SPEED MP on an ice covered substrate.
- When mixing in an enclosed area, provide adequate ventilation.
- Do not featheredge.
- For patches deeper than 1" (25 mm), pea gravel must be used to extend the product.
- No heavy traffic until the product has reached a minimum of 2000 psi (13.8 MPa).
- Do not wet cure.
- Field testing of EUCO-SPEED MP should only be performed after consulting The Euclid Chemical technical department.
- Do not place over carbondated concrete. All carbonation must be removed to assure a good bond.
- In all cases, consult the Material Safety Data Sheet before use.

Rev. 10.09

1I

SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGNS

This Special Note will apply when indicated on the plans or in the proposal.

1.0 DESCRIPTION. Furnish, install, operate, and maintain variable message signs at the locations shown on the plans or designated by the Engineer. Remove and retain possession of variable message signs when they are no longer needed on the project.

2.0 MATERIALS.

2.1 General. Use LED Variable Message Signs Class I, II, or III, as appropriate, from the Department's List of Approved Materials.

Unclassified signs may be submitted for approval by the Engineer. The Engineer may require a daytime and nighttime demonstration. The Engineer will make a final decision within 30 days after all required information is received.

2.2 Sign and Controls. All signs must:

1) Provide 3-line messages with each line being 8 characters long and at least 18 inches tall. Each character comprises 35 pixels.
2) Provide at least 40 preprogrammed messages available for use at any time. Provide for quick and easy change of the displayed message; editing of the message; and additions of new messages.
3) Provide a controller consisting of:
   a) Keyboard or keypad.
   b) Readout that mimics the actual sign display. (When LCD or LCD type readout is used, include backlighting and heating or otherwise arrange for viewing in cold temperatures.)
   c) Non-volatile memory or suitable memory with battery backup for storing pre-programmed messages.
   d) Logic circuitry to control the sequence of messages and flash rate.
4) Provide a serial interface that is capable of supporting complete remote control ability through land line and cellular telephone operation. Include communication software capable of immediately updating the message, providing complete sign status, and allowing message library queries and updates.
5) Allow a single person easily to raise the sign to a satisfactory height above the pavement during use, and lower the sign during travel.
6) Be Highway Orange on all exterior surfaces of the trailer, supports, and controller cabinet.
7) Provide operation in ambient temperatures from -30 to + 120 degrees Fahrenheit during snow, rain and other inclement weather.
8) Provide the driver board as part of a module. All modules are interchangeable, and have plug and socket arrangements for disconnection and reconnection. Printed circuit boards associated with driver boards have a conformable coating to protect against moisture.
9) Provide a sign case sealed against rain, snow, dust, insects, etc. The lens is UV stabilized clear plastic (polycarbonate, acrylic, or other approved material) angled to prevent glare.
10) Provide a flat black UV protected coating on the sign hardware, character PCB, and appropriate lens areas.

1I

11) Provide a photocell control to provide automatic dimming.
12) Allow an on-off flashing sequence at an adjustable rate.
13) Provide a sight to aim the message.
14) Provide a LED display color of approximately 590 nm amber.
15) Provide a controller that is password protected.
16) Provide a security device that prevents unauthorized individuals from accessing the controller.
17) Provide the following 3-line messages preprogrammed and available for use when the sign unit begins operation:

/KEEP/RIGHT/⇒⇒⇒/
/KEEP/LEFT/⇐⇐⇐/
/LOOSE/GRAVEL/AHEAD/
/RD WORK/NEXT/**MILES/
/TWO WAY/TRAFFIC/AHEAD/
/PAINT/CREW/AHEAD/
/REDUCE/SPEED/**MPH/
/BRIDGE/WORK/***0 FT/
/MAX/SPEED/**MPH/
/SURVEY/PARTY/AHEAD/
/MIN/SPEED/**MPH/
/ICY/BRIDGE/AHEAD/ /ONE LANE/BRIDGE/AHEAD/
/ROUGH/ROAD/AHEAD/
/MERGING/TRAFFIC/AHEAD/
/NEXT/***/MILES/
/HEAVY/TRAFFIC/AHEAD/
/SPEED/LIMIT/**MPH/
/BUMP/AHEAD/
/TWO/WAY/TRAFFIC/

*Insert numerals as directed by the Engineer.
Add other messages during the project when required by the Engineer.

2.3 Power.

1) Design solar panels to yield 10 percent or greater additional charge than sign consumption. Provide direct wiring for operation of the sign or arrow board from an external power source to provide energy backup for 21 days without sunlight and an on-board system charger with the ability to recharge completely discharged batteries in 24 hours.

3.0 CONSTRUCTION. Furnish and operate the variable message signs as designated on the plans or by the Engineer. Ensure the bottom of the message panel is a minimum of 7 feet above the roadway in urban areas and 5 feet above in rural areas when operating. Use Class I, II, or III signs on roads with a speed limit less than 55 mph. Use Class I or II signs on roads with speed limits 55 mph or greater.

Maintain the sign in proper working order, including repair of any damage done by others, until completion of the project. When the sign becomes inoperative, immediately repair or replace the sign. Repetitive problems with the same unit will be cause for rejection and replacement.

Use only project related messages and messages directed by the Engineer, unnecessary messages lessen the impact of the sign. Ensure the message is displayed in either one or 2 phases with each phase having no more than 3 lines of text. When no message is needed, but it is necessary to know if the sign is operable, flash only a pixel.

When the sign is not needed, move it outside the clear zone or where the Engineer directs. Variable Message Signs are the property of the Contractor and shall be removed from the project when no longer needed. The Department will not assume ownership of these signs.

1I

4.0 MEASUREMENT. The final quantity of Variable Message Sign will be the actual number of individual signs acceptably furnished and operated during the project. The Department will not measure signs replaced due to damage or rejection.

5.0 PAYMENT. The Department will pay for the Variable Message Signs at the unit price each. The Department will not pay for signs replaced due to damage or rejection. Payment is full compensation for furnishing all materials, labor, equipment, and service necessary to, operate, move, repair, and maintain or replace the variable message signs. The Department will make payment for the completed and accepted quantities under the following:

Code	Pay Item	Pay Unit
02671	Portable Changeable Message Sign	Each

Effective June 15, 2012

Special Note For:
K.P.D.E.S. Permit & Temporary Erosion Control
Item No. 2-2059.00 - Daviess County

The Contractor shall be responsible for filing the Kentucky Pollution Discharge Elimination System (KPDES) KYR10 permit Notice of Intent (NOI) with the Kentucky Division of Water (DOW) and any KPDES local Municipal Separate Storm Sewer System (MS4) program that has jurisdiction. The NOI shall name the contractor as the Facility Operator and include the KYTC Contract ID Number (CID) for reference.

The Contractor shall perform all temporary erosion/sediment control functions including: providing a Best Management Practice (BMP) Plan, conducting required inspections, modifying the BMP plan documents as construction progresses and documenting the installation and maintenance of BMPs in conformance with the KPDES KYR10 permit effective on August 1, 2009 or a permit re-issued to replace that KYR10 permit. This work shall be conducted in conformance with the requirements of Section 213 of KYTC 2012 Department of Highways, Standard Specifications for Road and Bridge Construction.

Contrary to Section 213.03.03, paragraph 2, the Engineer shall conduct inspections as needed to verify compliance with Section 213 of KYTC 2012 Department of Highways, Standard Specifications for Road and Bridge Construction. The Engineer's inspections shall be performed a minimum of once per month and within seven days after a storm of ½ inch or greater. Copies of the Engineer's inspections shall not be provided to the contractor unless improvements to the BMP's are required. The contractor shall initiate corrective action within 24 hours of any reported deficiency and complete the work within 5 days. The Engineer shall use Form TC 63-61 A for this report. Inspections performed by the Engineer do not relieve the Contractor of any responsibility for compliance with the KPDES permit.

Contrary to Section 213.05, bid items for temporary BMPs will not be listed and will be replaced with one lump sum item for the services. Payment will be pro-rated based on the Project Schedule as submitted by the Contractor and as agreed to by the Engineer.

The contractor shall be responsible for applying "good engineering practices" as required by the KPDES permit. The contractor may use any temporary BMPs with the approval of the KYTC Engineer.

The contractor shall provide the Engineer copies of all documents required by the KPDES permit at the time they are prepared.

The contractor shall be responsible for the examination of the soils to be encountered and make his own independent determination of the temporary BMPs that will be required to accomplish effective erosion prevention and sediment control.

The Contractor shall be responsible for filing the KPDES permit Notice of Termination (NOT) with the Kentucky DOW and any local MS4 program that has jurisdiction. The NOT shall be filed after the Engineer agrees that the project is stabilized or the project has been formally accepted.

Payment: Payment will be by lump sum under the bid item "K.P.D.E.S. Permit & Temporary Erosion Control".

DAVIESS COUNTY
Pavement Rehab on Audubon Parkway (AU 9005)
From MP 15.956 to MP 23.441
Item No. 2-2059.00

SPECIAL CAUTION NOTE – PROTECTION OF UTILITIES

Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities. If conflicts do arise, it is the responsibility of the contractor to verify the location of the existing utilities and to arrive at appropriate resolutions with the Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs.

The Kentucky Transportation Cabinet makes no guarantees regarding: the existence of utilities, the location of utilities, the utility companies in the project scope, or the potential for conflicts encountered during construction. The location of utilities provided herein 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 borne by the roadway contractor.

Overhead utility wire crossings and the approximate vertical clearances from the roadway to them are shown on the plan sheets included in the proposal. The Contractor is responsible for alerting all his employees and subcontractors of these overhead wire crossings and for taking whatever measures are needed to insure these wires are not damaged.

BEFORE YOU DIG

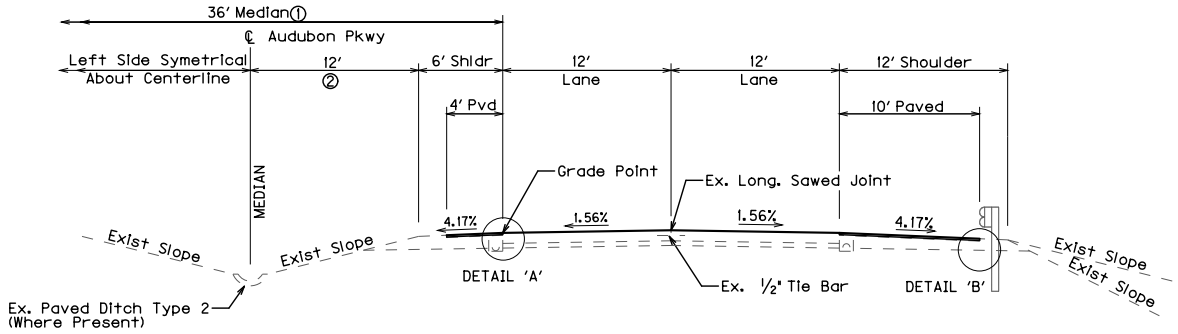
The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-U-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

SPECIAL NOTE FOR TYPICAL SECTION DIMENSIONS

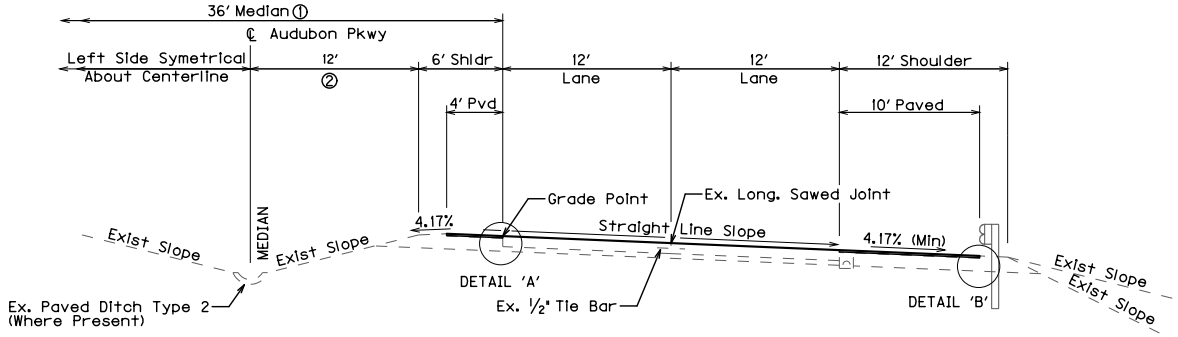
The dimensions shown on the typical sections for pavement and shoulder widths are nominal or typical dimensions. The actual dimensions to be constructed or diamond ground may be varied to fit existing conditions as directed or approved by the Engineer. It is not intended that existing pavement or shoulders be widened unless specified elsewhere in the Proposal.

TYPICAL SECTIONS

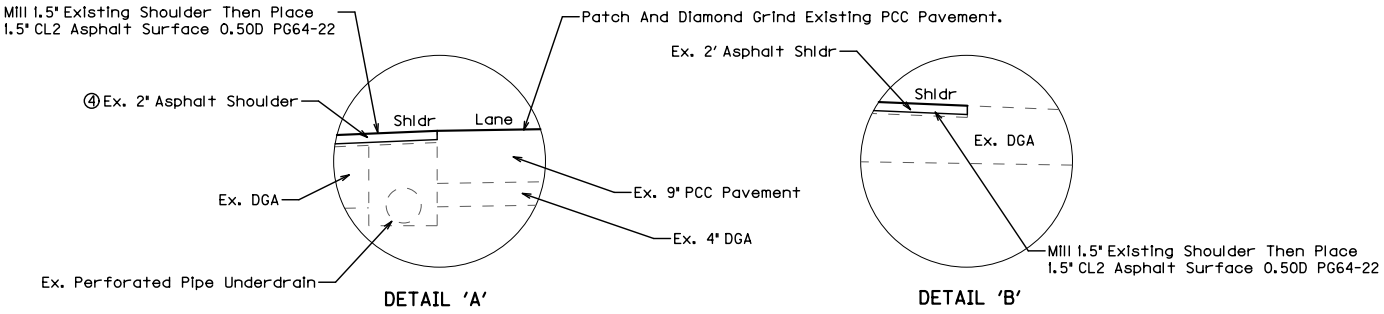
AUDUBON PARKWAY



NORMAL SECTION



SUPERELEVATED SECTION



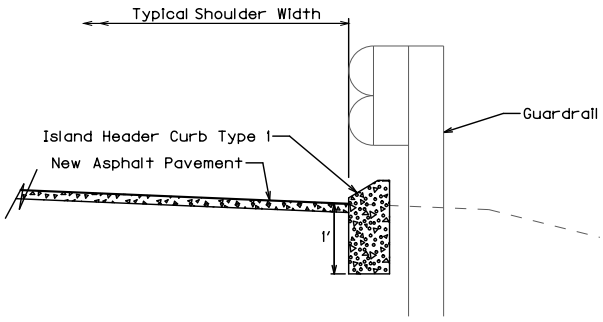
① Median Tapers From 8' @ Sta 912+12 To 36' @ Sta 922+22

② Tapers From 12' To 9.5' (@ Approx 200:1) Approaching The Twin Bridges Over Worthington Road, Then Tapers To Normal Width Leaving.

③ See Curb Summary For Locations Of Island Header Curb Type 1.

④ A 4" Asphalt Cap Was Installed Over The Existing 4" Perforated Pipe Edge Drains Constructed In 1986 Per Project Plans.

ISLAND HEADER CURB TYPE 1 DETAIL ③



Notes:

Patch And Diamond Grind PCC Pavement Prior To Milling And Overlaying Shoulders.

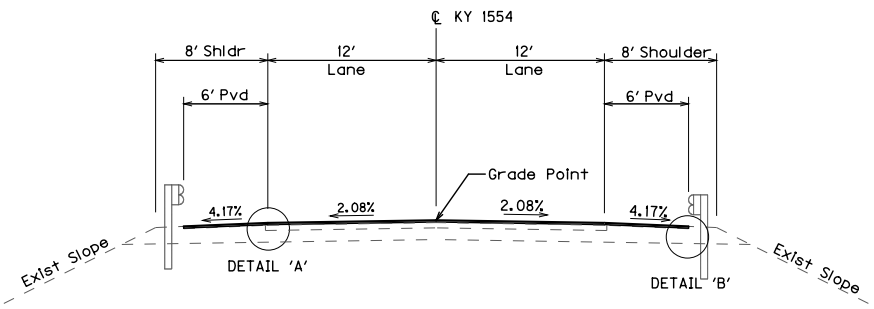
Mill Shoulders To 4% Slope In Tangent Sections, Match Existing (4% min.) Slopes In Transitions and Superelevated Sections.

Reshaping And Compacting Shoulders Will Be Incidental To The Milling Bid Item.

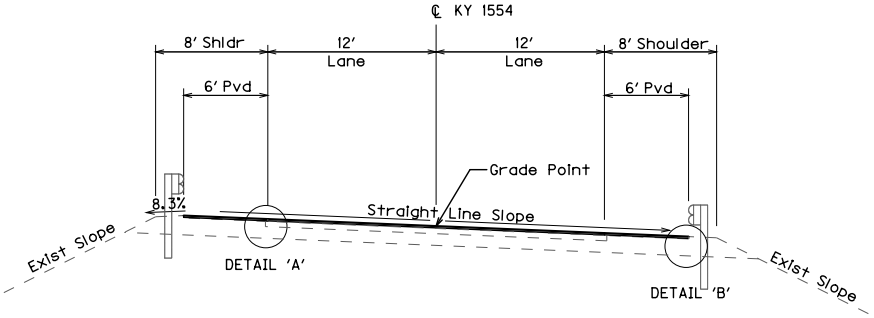
NOTE: EXISTING PAVEMENT INFORMATION SHOWN TAKEN FROM PREVIOUS PLANS

TYPICAL SECTIONS

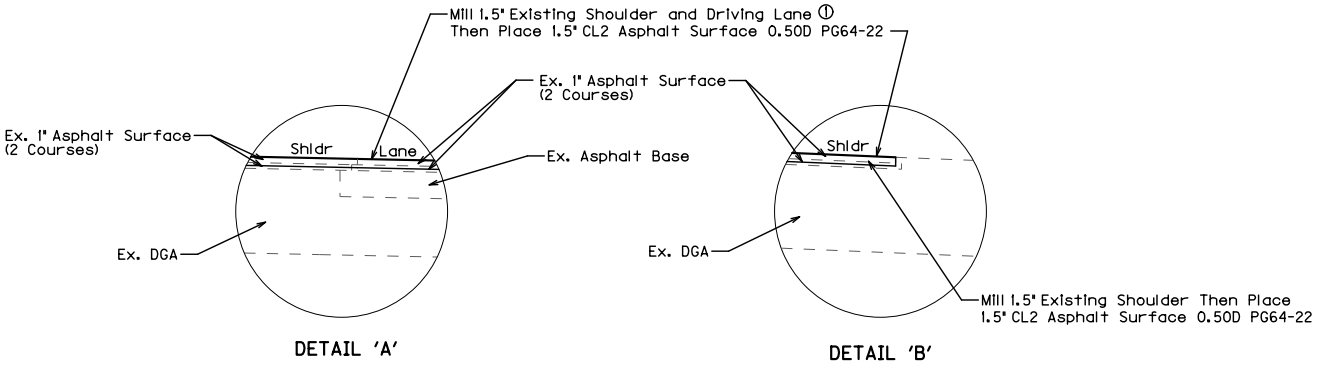
KY 1554



NORMAL SECTION



SUPERELEVATED SECTION



DETAIL 'A' DETAIL 'B'

① Adjust As Needed To Match New Latex Modified Concrete Overlay On Bridge Deck.

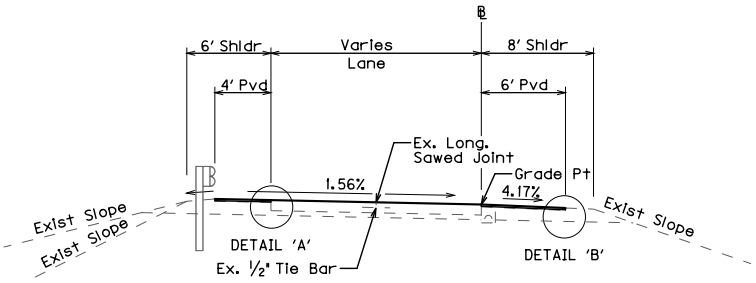
Notes:
Mill Shoulders To 4% Slope In Tangent Sections,
Match Existing (4% min.) Slopes In Transitions and Superelevated Sections.

Reshaping And Compacting Shoulders Will Be Incidental To The Milling Bid Item.

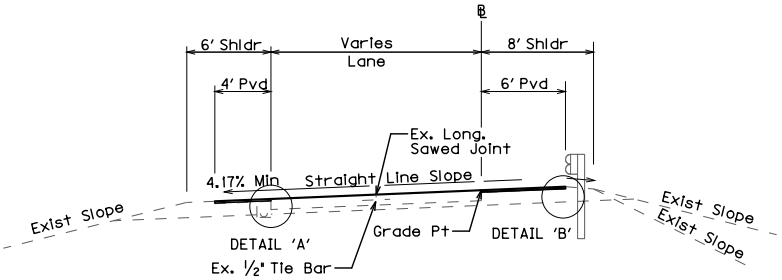
NOTE: EXISTING PAVEMENT INFORMATION SHOWN TAKEN FROM PREVIOUS PLANS

TYPICAL SECTIONS

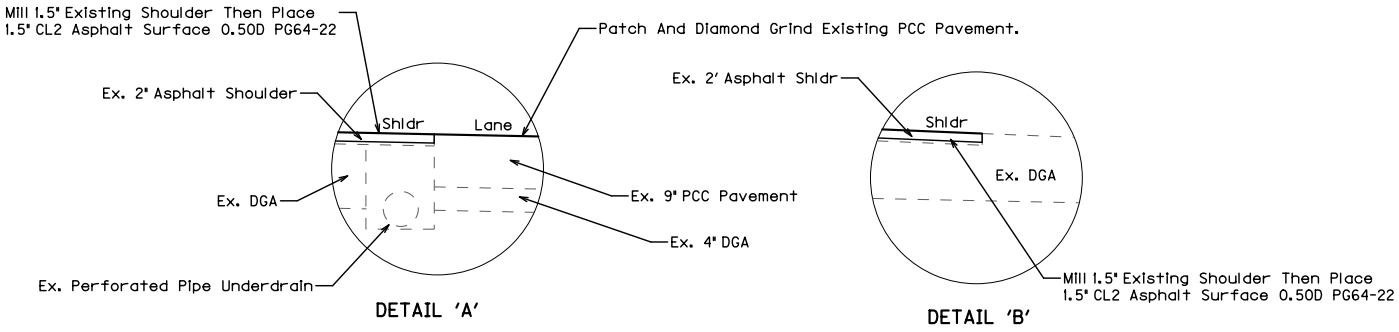
AUDUBON PARKWAY RAMPS @ US 60



NORMAL SECTION



SUPERELEVATED SECTION



Notes:

Patch And Diamond Grind PCC Pavement Prior To Milling And Overlaying Shoulders.

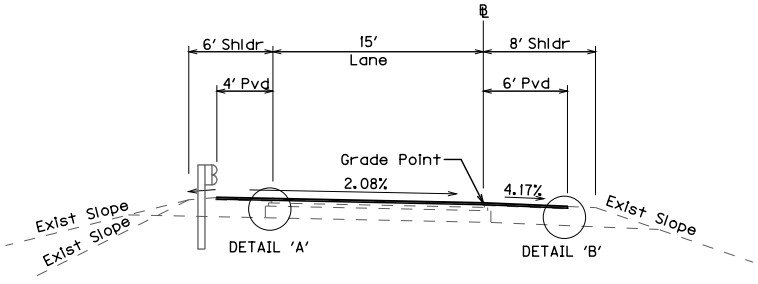
Mill Shoulders To 4% Slope In Tangent Sections, Match Existing (4% min.) Slopes In Transitions and Superelevated Sections.

Reshaping And Compacting Shoulders Will Be Incidental To The Milling Bid Item.

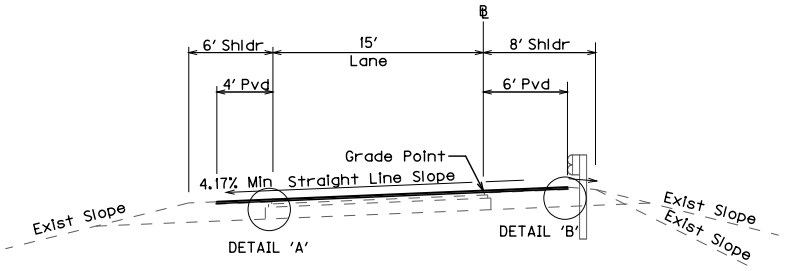
NOTE: EXISTING PAVEMENT INFORMATION SHOWN TAKEN FROM PREVIOUS PLANS

TYPICAL SECTIONS

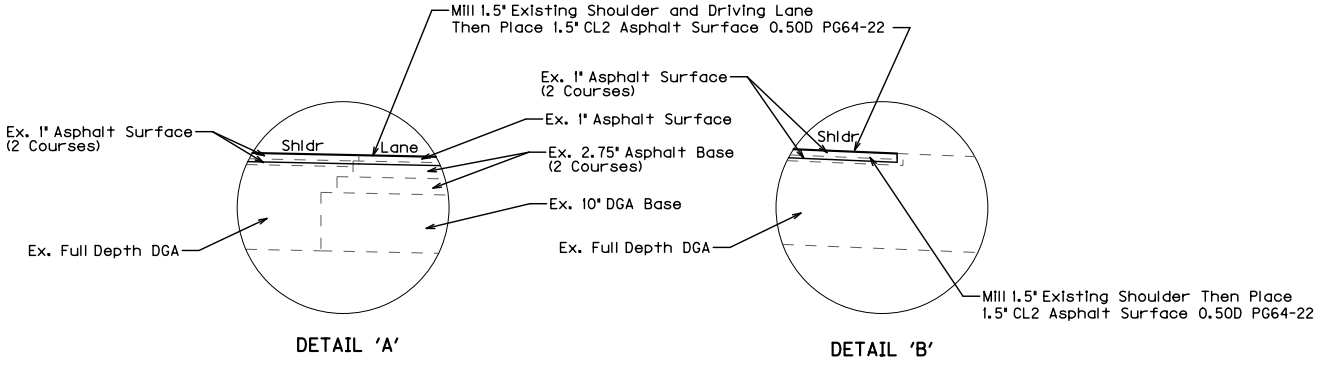
AUDUBON PARKWAY RAMPS @ KY 1554



NORMAL SECTION



SUPERELEVATED SECTION



Note:

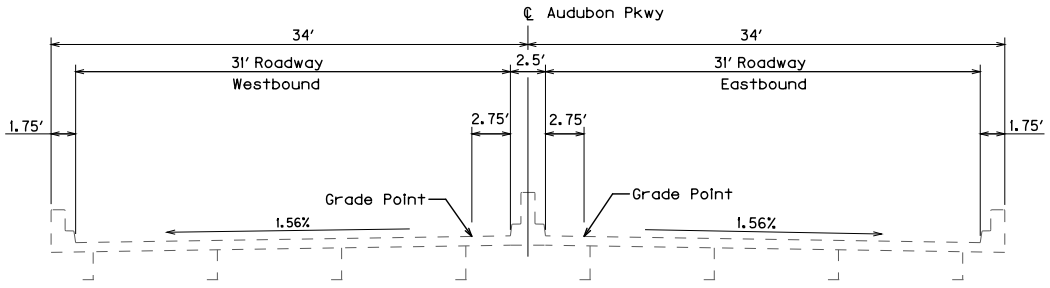
Mill Shoulders To 4% Slope In Tangent Sections,
Match Existing (4% min.) Slopes In Transitions and Superelevated Sections.

Reshaping And Compacting Shoulders Will Be Incidental To The Milling Bid Item.

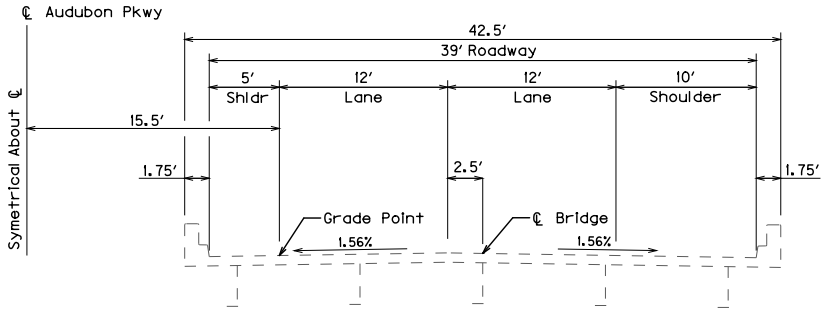
NOTE: EXISTING PAVEMENT INFORMATION SHOWN TAKEN FROM PREVIOUS PLANS

TYPICAL SECTIONS

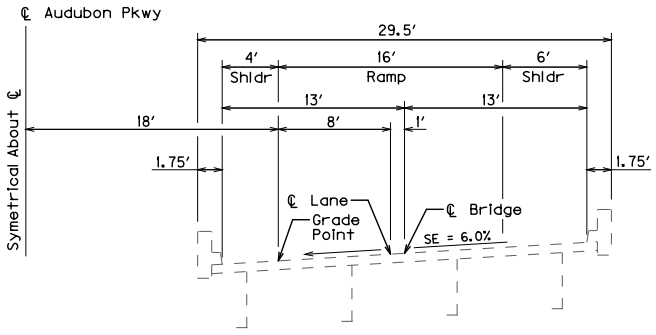
AUDUBON PARKWAY BRIDGES



Green River Bridge



Twin Bridges Over Worthington Road (KY 81)



Twin Bridges Over US 60

NOTE: FOR INFORMATION ONLY, SEE BRIDGE PROPOSAL FOR BRIDGE WORK

GENERAL SUMMARY
AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM NO. 2-2059.00

CODE	ITEM	UNIT	Henderson Co.	Daviess Co.	PROJECT TOTAL	NOTES
462	Culvert Pipe-18 In	Lin Ft		52	52	3
1310	Remove Pipe	Lin Ft		52	52	3
1450	S&F Box Inlet-Outlet-18 In	Each		2	2	3
2014	Barricade-Type III	Each		20	20	
2115	Saw-Clean-Reseal Tverse Joint	Lin Ft		40470	40470	
2116	Saw-Clean-Reseal Longit Joint	Lin Ft		86238	86238	
2237	Ditching	Lin Ft		5000	5000	3
2562	Signs	Sqft	300	1500	1800	
2568	Mobilization	LS	1	1	2	
2569	Demobilization	LS	1	1	2	
2600	Fabric Geotextile TY IV For Pipe	SY		90	90	3
2650	Maintain & Control Traffic	LS	1	1	2	
2671	Portable Changeable Message Sign	Each	2	4	6	
2726	Staking	LS	1	1	2	
2775	Arrow Panel	Each	1	3	4	
4933	Temp Signal 2 Phase	Each		2	2	1
5950	Erosion Control Blanket	SY	2000	35000	37000	
6511	Pave Striping-Temp Paint-6 In	Lin Ft	45300	229356	274656	
6549	Pave Striping-Temp Rem Tape-B	Lin Ft	1000	4000	5000	
6550	Pave Striping-Temp Rem Tape-W	Lin Ft	1000	4000	5000	
6551	Pave Striping-Temp Rem Tape-Y	Lin Ft	1000	4000	5000	
10020NS	Fuel Adjustment	Doll		12473	12473	
10030NS	Asphalt Adjustment	Doll		23359	23359	
20099ES842	Pave Mark Temp Paint Stop Bar	Lin Ft		48	48	1
20409ED	Slip Ramp	Each		4	4	2
20545ND	Temporary Median Crossover	Each	2	2	4	2
22664EN	Water Blasting Existing Stripe	Lin Ft	22650	114678	137328	
23143ED	KPDES Permit And Temp Erosion Control	LS	1	1	2	
24189ER	Durable Waterborne Marking-6 IN W	Lin Ft	3775	116602	120377	
24190ER	Durable Waterborne Marking-6 IN Y	Lin Ft	15100	96552	111652	
24191ER	Durable Waterborne Marking-12 IN	Lin Ft		4092	4092	

NOTES:

1.) For Bridge Deck Overlay on KY 1554.

2.) Includes all items necessary to build and remove the temporary median crossovers and slip ramps within the pay limits shown including, but not limited to barricades, crash cushions, temporary barrier wall, tubular markers, drums, pavement markings and stripings, paving materials (does not include mainline paving materials shown in the Typical Sections, but all additional paving materials are incidental to this item), embankment, etc. shall be considered incidental to the ‘Temporary Median Crossover’ or ‘Slip Ramp’ bid items.

3:) For work shown on the 'Replace Pipe' sheet and other areas as directed by the Engineer.

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	916+87.8	916+95.2		12		10	10
Audubon Parkway East	917+02.7	917+08.7	12	12		16	16
Audubon Parkway East	917+20.1	917+27.0		12		9	9
Audubon Parkway East	917+52.5	917+58.5	12	12		16	16
Audubon Parkway East	917+67.4	917+73.6		12		8	8
Audubon Parkway East	917+87.0	917+92.8		12		8	8
Audubon Parkway East	918+02.3	918+08.3	12			8	8
Audubon Parkway East	918+17.3	918+26.0		12		12	12
Audubon Parkway East	918+51.9	918+57.9		12		8	8
Audubon Parkway East	918+83.3	918+89.4		12		8	8
Audubon Parkway East	919+01.5	919+07.5	12	12		16	16
Audubon Parkway East	919+18.8	919+25.6		12		9	9
Audubon Parkway East	919+50.6	919+56.6	12	12		16	16
Audubon Parkway East	919+66.4	919+74.8		12		11	11
Audubon Parkway East	919+99.1	920+18.5	12			26	26
Audubon Parkway East	920+49.4	920+55.4	12	12		16	16
Audubon Parkway East	920+64.2	920+71.4	12	12		19	19
Audubon Parkway East	920+98.5	921+04.5	12	12		16	16
Audubon Parkway East	921+12.9	921+20.3	12	12		20	20
Audubon Parkway East	921+66.0	921+87.9	12	12		59	59
Audubon Parkway East	922+10.4	922+19.6	12			12	12
Audubon Parkway East	922+77.3	923+01.6	12	12		65	65
Audubon Parkway East	923+45.0	923+51.0	12			8	8
Audubon Parkway East	924+12.1	924+23.6	12	12		31	31
Audubon Parkway East	924+43.6	924+49.6	12	12		16	16
Audubon Parkway East	924+62.0	924+77.0	12	12		40	40
Audubon Parkway East	924+94.0	925+02.8	12			12	12
Audubon Parkway East	925+68.9	925+80.8	12	12		32	32
Audubon Parkway East	926+69.4	926+75.2	12			8	8
Audubon Parkway East	928+14.0	928+21.6	12	12		20	20
Audubon Parkway East	928+37.8	928+43.8	12			8	8
Audubon Parkway East	928+88.0	929+16.1	12			37	37
Audubon Parkway East	929+36.4	929+42.4	12			8	8
Audubon Parkway East	929+54.5	929+59.9	12	12		14	14
Audubon Parkway East	929+85.7	929+91.7	12			8	8
Audubon Parkway East	930+17.8	930+24.4	12	12		18	18
Audubon Parkway East	930+53.7	930+59.9	12	12		17	17
Audubon Parkway East	931+03.6	931+09.7	12	12		16	16
Audubon Parkway East	931+52.1	931+59.8	12	12		21	21
Audubon Parkway East	932+51.2	932+57.7	12			9	9
Audubon Parkway East	932+97.3	933+15.7	12			25	25
Audubon Parkway East	933+06.7	933+15.7		12		12	12

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	933+31.1	933+37.1	12			8	8
Audubon Parkway East	933+61.8	933+68.9	12			9	9
Audubon Parkway East	933+61.8	933+77.3		12		21	21
Audubon Parkway East	933+98.2	934+04.2	12			8	8
Audubon Parkway East	933+98.2	934+14.7		12		22	22
Audubon Parkway East	934+46.4	934+55.6	12	12		25	25
Audubon Parkway East	934+96.0	935+03.0	12	12		19	19
Audubon Parkway East	935+49.8	935+70.1		12		27	27
Audubon Parkway East	935+77.8	935+84.5		12		9	9
Audubon Parkway East	936+01.0	936+06.5	12	12		15	15
Audubon Parkway East	936+52.7	936+59.2	12	12		17	17
Audubon Parkway East	936+90.1	936+96.4	12	12		17	17
Audubon Parkway East	937+25.9	937+31.9	12			8	8
Audubon Parkway East	937+92.0	938+12.4	12	12		54	54
Audubon Parkway East	938+61.8	938+66.4		12		6	6
Audubon Parkway East	938+73.7	938+79.7	12	12		16	16
Audubon Parkway East	939+08.4	939+13.8		12		7	7
Audubon Parkway East	939+72.4	939+78.4	12	12		16	16
Audubon Parkway East	940+21.8	940+27.8	12	12		16	16
Audubon Parkway East	940+43.9	940+49.1	12	12		14	14
Audubon Parkway East	940+88.9	940+96.5	12			10	10
Audubon Parkway East	940+88.9	941+05.8	12	12		45	45
Audubon Parkway East	941+46.9	941+52.3	12	12		14	14
Audubon Parkway East	941+92.5	941+97.4	12	12		13	13
Audubon Parkway East	942+33.1	942+50.6	12	12		47	47
Audubon Parkway East	942+84.1	942+99.8	12	12		42	42
Audubon Parkway East	943+37.9	943+51.0	12	12		35	35
Audubon Parkway East	943+96.1	944+02.4		12		8	8
Audubon Parkway East	944+16.5	944+22.5	12	12		16	16
Audubon Parkway East	944+65.7	944+71.7	12			8	8
Audubon Parkway East	945+33.8	945+42.6	12	12		23	23
Audubon Parkway East	945+33.8	945+49.5	12	12		42	42
Audubon Parkway East	945+64.3	945+70.3	12			8	8
Audubon Parkway East	946+14.0	946+20.0	12	12		16	16
Audubon Parkway East	946+31.6	946+50.9	12	12		51	51
Audubon Parkway East	946+85.0	947+00.9	12	12		42	42
Audubon Parkway East	947+32.4	947+49.2	12	12		45	45
Audubon Parkway East	947+79.9	947+99.3	12	12		52	52
Audubon Parkway East	948+28.7	948+33.3	12			6	6
Audubon Parkway East	948+28.7	948+45.5		12		22	22
Audubon Parkway East	948+78.5	948+87.8	12	12		25	25
Audubon Parkway East	949+59.0	949+65.0	12			8	8
Audubon Parkway East	949+79.8	949+86.8	12	12		19	19

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY

LOCATION			LANE & WIDTH			ITEM 2058	ITEM 2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	951+07.4	951+13.4	12			8	8
Audubon Parkway East	952+37.2	952+43.0		12		8	8
Audubon Parkway East	952+75.1	952+90.0	12	12		40	40
Audubon Parkway East	953+24.8	953+46.3	12	12		57	57
Audubon Parkway East	953+81.6	953+88.5	12	12		18	18
Audubon Parkway East	954+24.9	954+30.5	12	12		15	15
Audubon Parkway East	955+19.0	955+26.3		12		10	10
Audubon Parkway East	955+49.9	955+59.7	12			13	13
Audubon Parkway East	955+84.7	955+89.8	12	12		14	14
Audubon Parkway East	956+31.6	956+37.7	12	12		16	16
Audubon Parkway East	956+73.4	956+82.1	12	12		23	23
Audubon Parkway East	957+53.7	957+59.7	12	12		16	16
Audubon Parkway East	957+71.7	957+77.5	12	12		16	16
Audubon Parkway East	958+03.7	958+09.7	12	12		16	16
Audubon Parkway East	958+53.4	958+59.4	12	12		16	16
Audubon Parkway East	958+72.0	958+78.0	12	12		16	16
Audubon Parkway East	959+53.5	959+59.5	12	12		16	16
Audubon Parkway East	960+03.4	960+09.4	12	12		16	16
Audubon Parkway East	961+03.2	961+09.2		12		8	8
Audubon Parkway East	961+26.1	961+31.9	12	12		16	16
Audubon Parkway East	961+53.3	961+59.3	12			8	8
Audubon Parkway East	961+81.2	961+86.8	12	12		15	15
Audubon Parkway East	962+03.2	962+09.2	12	12		16	16
Audubon Parkway East	962+79.7	962+91.8	12	12		32	32
Audubon Parkway East	963+03.2	963+09.2	12	12		16	16
Audubon Parkway East	963+34.1	963+39.6	12	12		15	15
Audubon Parkway East	963+53.0	963+59.0	12	12		16	16
Audubon Parkway East	964+03.0	964+09.0	12			8	8
Audubon Parkway East	964+74.8	964+84.0	12	12		25	25
Audubon Parkway East	965+52.8	965+58.8		12		8	8
Audubon Parkway East	965+73.4	965+79.4	12	12		16	16
Audubon Parkway East	966+02.8	966+08.8	12	12		16	16
Audubon Parkway East	966+34.1	966+43.2	12	12		24	24
Audubon Parkway East	966+52.9	966+58.9	12	12		16	16
Audubon Parkway East	966+79.6	966+85.8	12	12		16	16
Audubon Parkway East	967+02.7	967+08.7		12		8	8
Audubon Parkway East	967+22.3	967+27.9	12	12		15	15
Audubon Parkway East	967+52.8	967+58.8		12		8	8
Audubon Parkway East	967+66.8	967+73.0	12	12		16	16
Audubon Parkway East	968+23.1	968+40.2	12	12		46	46
Audubon Parkway East	968+71.1	968+76.2	12	12		14	14
Audubon Parkway East	969+01.3	969+07.3		12		8	8
Audubon Parkway East	969+33.5	969+39.5	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	969+52.3	969+58.3	12	12		16	16
Audubon Parkway East	969+80.7	969+86.2	12	12		15	15
Audubon Parkway East	970+02.4	970+08.4	12	12		16	16
Audubon Parkway East	970+19.0	970+36.6	12	12		47	47
Audubon Parkway East	970+52.5	970+58.5	12			8	8
Audubon Parkway East	970+69.6	970+87.3	12	12		47	47
Audubon Parkway East	971+02.3	971+08.3		12		8	8
Audubon Parkway East	971+20.0	971+39.6	12	12		52	52
Audubon Parkway East	971+52.4	971+58.4		12		8	8
Audubon Parkway East	971+70.6	971+75.0	12	12		12	12
Audubon Parkway East	971+84.0	972+02.4		12		25	25
Audubon Parkway East	973+52.4	973+58.4	12	12		16	16
Audubon Parkway East	973+84.9	973+90.9		12		8	8
Audubon Parkway East	974+18.4	974+24.7	12	12		17	17
Audubon Parkway East	974+52.2	974+58.2	12	12		16	16
Audubon Parkway East	974+84.1	974+89.2	12	12		14	14
Audubon Parkway East	975+30.8	975+36.1	12	12		14	14
Audubon Parkway East	975+52.1	975+58.1	12	12		16	16
Audubon Parkway East	975+67.5	975+73.2	12	12		15	15
Audubon Parkway East	975+85.0	975+90.7	12	12		15	15
Audubon Parkway East	976+02.1	976+08.1	12	12		16	16
Audubon Parkway East	976+19.4	976+24.3	12	12		13	13
Audubon Parkway East	976+51.9	976+57.9	12	12		16	16
Audubon Parkway East	976+81.7	976+89.1	12	12		20	20
Audubon Parkway East	977+21.4	977+27.3	12	12		16	16
Audubon Parkway East	977+35.8	977+40.5	12	12		12	12
Audubon Parkway East	977+52.0	977+58.0	12	12		16	16
Audubon Parkway East	977+70.1	977+74.6	12	12		12	12
Audubon Parkway East	977+85.1	977+90.1	12	12		13	13
Audubon Parkway East	978+01.9	978+07.9	12	12		16	16
Audubon Parkway East	978+52.0	978+58.0	12	12		16	16
Audubon Parkway East	978+66.6	978+71.4	12	12		13	13
Audubon Parkway East	979+21.1	979+26.9	12	12		15	15
Audubon Parkway East	980+29.7	980+35.8	12	12		16	16
Audubon Parkway East	980+77.8	980+86.7	12	12		24	24
Audubon Parkway East	981+01.6	981+07.6	12			8	8
Audubon Parkway East	981+36.2	981+41.7	12	12		15	15
Audubon Parkway East	981+51.6	981+57.6	12	12		16	16
Audubon Parkway East	981+81.3	981+86.1	12	12		13	13
Audubon Parkway East	982+01.7	982+07.7	12	12		16	16
Audubon Parkway East	982+27.4	982+33.4	12	12		16	16
Audubon Parkway East	982+70.3	982+85.0	12	12		39	39
Audubon Parkway East	983+01.5	983+07.5	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY

LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	983+51.5	983+57.5	12	12		16	16
Audubon Parkway East	983+72.7	983+78.1	12	12		14	14
Audubon Parkway East	984+01.3	984+07.3	12			8	8
Audubon Parkway East	984+18.5	984+34.9	12	12		44	44
Audubon Parkway East	984+51.4	984+57.4	12	12		16	16
Audubon Parkway East	985+22.4	985+35.4	12	12		35	35
Audubon Parkway East	985+73.2	985+85.9	12	12		34	34
Audubon Parkway East	986+01.4	986+07.4	12	12		16	16
Audubon Parkway East	986+19.2	986+39.0	12	12		53	53
Audubon Parkway East	987+01.1	987+07.1	12			8	8
Audubon Parkway East	987+18.5	987+36.7		12		24	24
Audubon Parkway East	987+51.2	987+57.2	12	12		16	16
Audubon Parkway East	987+86.0	987+91.0		12		7	7
Audubon Parkway East	988+00.9	988+06.9	12	12		16	16
Audubon Parkway East	988+27.7	988+33.8	12	12		16	16
Audubon Parkway East	988+51.0	988+57.0	12	12		16	16
Audubon Parkway East	988+68.6	988+74.0	12	12		14	14
Audubon Parkway East	989+01.0	989+07.0		12		8	8
Audubon Parkway East	989+20.9	989+25.8	12	12		13	13
Audubon Parkway East	989+34.6	989+39.9	12	12		14	14
Audubon Parkway East	989+71.6	989+86.9	12	12		41	41
Audubon Parkway East	990+01.1	990+07.1	12	12		16	16
Audubon Parkway East	990+33.0	990+40.1		12		9	9
Audubon Parkway East	990+66.6	990+73.0	12	12		17	17
Audubon Parkway East	991+00.9	991+06.9	12	12		16	16
Audubon Parkway East	991+22.8	991+29.9	12	12		19	19
Audubon Parkway East	991+50.7	991+56.7		12		8	8
Audubon Parkway East	991+67.6	991+74.1		12		9	9
Audubon Parkway East	992+00.8	992+06.8		12		8	8
Audubon Parkway East	992+28.1	992+34.2	12	12		16	16
Audubon Parkway East	992+71.2	992+88.0	12	12		45	45
Audubon Parkway East	993+19.1	993+33.1	12	12		37	37
Audubon Parkway East	993+76.3	993+81.9	12	12		15	15
Audubon Parkway East	994+00.9	994+06.9	12	12		16	16
Audubon Parkway East	994+24.8	994+30.3	12	12		15	15
Audubon Parkway East	994+50.6	994+56.6	12	12		16	16
Audubon Parkway East	994+70.8	994+89.1		12		24	24
Audubon Parkway East	995+00.6	995+06.6	12	12		16	16
Audubon Parkway East	995+16.9	995+22.3	12	12		15	15
Audubon Parkway East	995+35.2	995+41.3	12	12		16	16
Audubon Parkway East	995+50.7	995+56.7	12	12		16	16
Audubon Parkway East	995+71.3	995+88.6	12	12		46	46
Audubon Parkway East	996+23.3	996+38.6	12	12		41	41

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	996+38.6	996+53.5	12	12		40	40
Audubon Parkway East	996+50.5	996+56.5		12		8	8
Audubon Parkway East	996+67.3	996+87.6	12	12		54	54
Audubon Parkway East	997+18.0	997+37.6	12	12		52	52
Audubon Parkway East	997+72.4	997+87.8	12	12		41	41
Audubon Parkway East	998+00.3	998+06.3		12		8	8
Audubon Parkway East	998+31.3	998+37.0	12	12		15	15
Audubon Parkway East	998+66.9	998+72.8	12	12		16	16
Audubon Parkway East	999+19.9	999+39.5	12	12		52	52
Audubon Parkway East	999+50.5	999+56.5		12		8	8
Audubon Parkway East	999+68.5	999+84.1	12	12		42	42
Audubon Parkway East	1000+33.6	1000+39.2		12		7	7
Audubon Parkway East	1000+69.2	1000+75.4	12	12		17	17
Audubon Parkway East	1001+15.9	1001+34.7	12	12		50	50
Audubon Parkway East	1001+73.2	1001+78.4		12		7	7
Audubon Parkway East	1002+16.8	1002+23.2	12	12		17	17
Audubon Parkway East	1002+34.8	1002+41.2	12	12		17	17
Audubon Parkway East	1002+71.3	1002+85.3	12	12		37	37
Audubon Parkway East	1002+99.8	1003+05.8		12		8	8
Audubon Parkway East	1003+28.7	1003+34.8	12	12		16	16
Audubon Parkway East	1003+69.8	1003+76.1	12	12		17	17
Audubon Parkway East	1003+84.9	1003+90.0	12	12		13	13
Audubon Parkway East	1004+17.6	1004+22.8	12	12		14	14
Audubon Parkway East	1004+30.5	1004+36.5	12	12		16	16
Audubon Parkway East	1004+49.7	1004+55.7		12		8	8
Audubon Parkway East	1004+66.1	1004+72.5	12	12		17	17
Audubon Parkway East	1004+81.0	1004+90.6	12	12		26	26
Audubon Parkway East	1005+20.3	1005+37.0		12		22	22
Audubon Parkway East	1005+67.0	1005+73.7	12			9	9
Audubon Parkway East	1005+67.0	1005+84.6		12		23	23
Audubon Parkway East	1005+99.5	1006+15.9		12		22	22
Audubon Parkway East	1006+49.9	1006+55.9	12			8	8
Audubon Parkway East	1006+79.3	1006+85.6		12		8	8
Audubon Parkway East	1006+99.5	1007+05.5		12		8	8
Audubon Parkway East	1007+18.5	1007+34.6		12		21	21
Audubon Parkway East	1007+80.2	1007+85.9	12	12		15	15
Audubon Parkway East	1008+38.4	1008+47.6		12		12	12
Audubon Parkway East	1008+64.8	1008+69.5	12	12		13	13
Audubon Parkway East	1008+78.5	1008+84.3	12	12		15	15
Audubon Parkway East	1008+99.2	1009+05.2	12			8	8
Audubon Parkway East	1009+17.2	1009+35.4		12		24	24
Audubon Parkway East	1009+29.3	1009+35.4	12			8	8
Audubon Parkway East	1009+68.1	1009+75.2	12	12		19	19

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1010+34.7	1010+40.4	12	12		15	15
Audubon Parkway East	1010+67.7	1010+72.9	12	12		14	14
Audubon Parkway East	1010+82.7	1010+87.9	12	12		14	14
Audubon Parkway East	1011+18.5	1011+35.8	12	12		46	46
Audubon Parkway East	1011+70.0	1011+86.2	12	12		43	43
Audubon Parkway East	1012+19.7	1012+25.1	12	12		14	14
Audubon Parkway East	1012+33.0	1012+39.9	12	12		18	18
Audubon Parkway East	1012+49.2	1012+55.2		12		8	8
Audubon Parkway East	1012+77.5	1012+83.5	12	12		16	16
Audubon Parkway East	1013+66.3	1013+75.6	12	12		25	25
Audubon Parkway East	1013+98.9	1014+04.9	12	12		16	16
Audubon Parkway East	1014+42.3	1014+60.2	12	12		48	48
Audubon Parkway East	1014+80.8	1014+86.2	12	12		14	14
Audubon Parkway East	1015+22.1	1015+27.6	12	12		15	15
Audubon Parkway East	1015+78.9	1015+84.7	12	12		15	15
Audubon Parkway East	1016+20.3	1016+25.5	12	12		14	14
Audubon Parkway East	1016+48.9	1016+54.9		12		8	8
Audubon Parkway East	1016+99.0	1017+05.0	12			8	8
Audubon Parkway East	1017+16.5	1017+21.9	12	12		14	14
Audubon Parkway East	1017+31.1	1017+36.3	12	12		14	14
Audubon Parkway East	1017+80.4	1017+85.5	12	12		14	14
Audubon Parkway East	1017+99.2	1018+05.2		12		8	8
Audubon Parkway East	1018+20.8	1018+25.7	12	12		13	13
Audubon Parkway East	1018+48.7	1018+54.7	12	12		16	16
Audubon Parkway East	1018+65.0	1018+70.7		12		8	8
Audubon Parkway East	1018+83.5	1018+89.2		12		8	8
Audubon Parkway East	1018+98.8	1019+04.8		12		8	8
Audubon Parkway East	1019+25.1	1019+32.5	12	12		20	20
Audubon Parkway East	1019+66.7	1019+83.9	12	12		46	46
Audubon Parkway East	1019+98.7	1020+04.7		12		8	8
Audubon Parkway East	1020+98.5	1021+04.5		12		8	8
Audubon Parkway East	1021+21.5	1021+26.7	12	12		14	14
Audubon Parkway East	1022+47.1	1022+53.1	12	12		16	16
Audubon Parkway East	1023+28.6	1023+34.3	12	12		15	15
Audubon Parkway East	1023+47.1	1023+53.1	12	12		16	16
Audubon Parkway East	1023+96.9	1024+02.9		12		8	8
Audubon Parkway East	1024+23.7	1024+30.6	12	12		18	18
Audubon Parkway East	1024+46.8	1024+52.8	12	12		16	16
Audubon Parkway East	1025+15.4	1025+21.9	12	12		17	17
Audubon Parkway East	1026+46.7	1026+52.7	12	12		16	16
Audubon Parkway East	1026+64.7	1026+70.0	12	12		14	14
Audubon Parkway East	1026+79.6	1026+86.7	12	12		19	19
Audubon Parkway East	1027+24.8	1027+38.1	12	12		36	36

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1027+96.3	1028+02.3		12		8	8
Audubon Parkway East	1028+22.0	1028+27.8	12	12		16	16
Audubon Parkway East	1028+95.9	1029+01.9	12	12		16	16
Audubon Parkway East	1029+30.9	1029+36.6	12	12		15	15
Audubon Parkway East	1029+98.3	1030+04.3	12	12		16	16
Audubon Parkway East	1030+35.0	1030+41.3		12		8	8
Audubon Parkway East	1030+48.2	1030+54.2	12	12		16	16
Audubon Parkway East	1030+71.4	1030+77.3	12	12		16	16
Audubon Parkway East	1030+98.2	1031+04.2	12	12		16	16
Audubon Parkway East	1031+14.6	1031+28.8	12	12		38	38
Audubon Parkway East	1031+98.1	1032+04.1	12	12		16	16
Audubon Parkway East	1032+98.0	1033+04.0	12	12		16	16
Audubon Parkway East	1033+13.3	1033+31.7		12		24	24
Audubon Parkway East	1033+13.3	1033+19.1	12			8	8
Audubon Parkway East	1033+48.0	1033+54.0		12		8	8
Audubon Parkway East	1033+65.1	1033+71.2	12	12		16	16
Audubon Parkway East	1033+97.9	1034+03.9		12		8	8
Audubon Parkway East	1034+17.7	1034+36.0	12	12		49	49
Audubon Parkway East	1034+48.0	1034+54.0	12			8	8
Audubon Parkway East	1034+63.7	1034+70.4		12		9	9
Audubon Parkway East	1034+97.9	1035+03.9		12		8	8
Audubon Parkway East	1035+23.8	1035+29.7	12	12		16	16
Audubon Parkway East	1036+12.8	1036+18.7		12		8	8
Audubon Parkway East	1036+47.7	1036+53.7		12		8	8
Audubon Parkway East	1036+97.8	1037+03.8	12	12		16	16
Audubon Parkway East	1037+23.1	1037+34.3		12		15	15
Audubon Parkway East	1037+82.6	1037+88.9		12		8	8
Audubon Parkway East	1037+97.6	1038+03.6		12		8	8
Audubon Parkway East	1038+23.8	1038+30.3	12	12		17	17
Audubon Parkway East	1038+63.4	1038+70.2	12	12		18	18
Audubon Parkway East	1038+97.8	1039+03.8		12		8	8
Audubon Parkway East	1039+14.3	1039+21.0	12	12		18	18
Audubon Parkway East	1039+30.2	1039+36.7	12	12		17	17
Audubon Parkway East	1039+78.4	1039+84.6		12		8	8
Audubon Parkway East	1040+47.6	1040+53.6		12		8	8
Audubon Parkway East	1040+97.8	1041+03.8	12	12		16	16
Audubon Parkway East	1041+28.0	1041+36.2	12	12		22	22
Audubon Parkway East	1041+47.6	1041+53.6		12		8	8
Audubon Parkway East	1041+66.9	1041+72.9	12	12		16	16
Audubon Parkway East	1041+81.5	1041+86.9	12	12		15	15
Audubon Parkway East	1042+24.1	1042+29.6	12	12		15	15
Audubon Parkway East	1042+47.6	1042+53.6	12	12		16	16
Audubon Parkway East	1042+97.7	1043+03.7	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1043+47.6	1043+53.6	12	12		16	16
Audubon Parkway East	1043+97.7	1044+03.7	12	12		16	16
Audubon Parkway East	1044+47.6	1044+53.6	12	12		16	16
Audubon Parkway East	1044+97.8	1045+03.8	12	12		16	16
Audubon Parkway East	1045+65.4	1045+70.6		12		7	7
Audubon Parkway East	1046+47.5	1046+53.5		12		8	8
Audubon Parkway East	1046+66.5	1046+71.9	12	12		14	14
Audubon Parkway East	1046+97.6	1047+03.6		12		8	8
Audubon Parkway East	1047+97.5	1048+03.5		12		8	8
Audubon Parkway East	1048+47.5	1048+53.5		12		8	8
Audubon Parkway East	1048+97.5	1049+03.5	12	12		16	16
Audubon Parkway East	1049+47.5	1049+53.5		12		8	8
Audubon Parkway East	1050+47.3	1050+53.3		12		8	8
Audubon Parkway East	1050+97.4	1051+03.4	12	12		16	16
Audubon Parkway East	1051+47.4	1051+53.4	12	12		16	16
Audubon Parkway East	1051+97.3	1052+03.3		12		8	8
Audubon Parkway East	1052+47.4	1052+53.4		12		8	8
Audubon Parkway East	1052+97.4	1053+03.4		12		8	8
Audubon Parkway East	1053+47.4	1053+53.4		12		8	8
Audubon Parkway East	1053+97.4	1054+03.4	12	12		16	16
Audubon Parkway East	1054+47.4	1054+53.4		12		8	8
Audubon Parkway East	1054+97.3	1055+03.3	12	12		16	16
Audubon Parkway East	1055+47.3	1055+53.3		12		8	8
Audubon Parkway East	1055+97.3	1056+03.3	12	12		16	16
Audubon Parkway East	1057+47.4	1057+53.4	12	12		16	16
Audubon Parkway East	1057+97.3	1058+03.3	12	12		16	16
Audubon Parkway East	1058+47.4	1058+53.4	12	12		16	16
Audubon Parkway East	1058+97.3	1059+03.3	12			8	8
Audubon Parkway East	1059+47.4	1059+53.4	12	12		16	16
Audubon Parkway East	1059+72.1	1059+78.4		12		8	8
Audubon Parkway East	1060+47.3	1060+53.3		12		8	8
Audubon Parkway East	1060+97.3	1061+03.3	12	12		16	16
Audubon Parkway East	1062+47.4	1062+53.4	12			8	8
Audubon Parkway East	1063+60.3	1063+66.7		12		9	9
Audubon Parkway East	1064+97.3	1065+03.3	12			8	8
Audubon Parkway East	1066+72.8	1066+78.7		12		8	8
Audubon Parkway East	1066+97.4	1067+03.4		12		8	8
Audubon Parkway East	1068+47.4	1068+53.4	12			8	8
Audubon Parkway East	1069+47.2	1069+53.2	12			8	8
Audubon Parkway East	1070+26.8	1070+34.7	12			11	11
Audubon Parkway East	1070+97.1	1071+03.1		12		8	8
Audubon Parkway East	1072+96.9	1073+02.9	12			8	8
Audubon Parkway East	1073+46.9	1073+52.9	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY

LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1073+96.9	1074+02.9	12	12		16	16
Audubon Parkway East	1074+46.9	1074+52.9	12	12		16	16
Audubon Parkway East	1074+96.9	1075+02.9		12		8	8
Audubon Parkway East	1075+96.8	1076+02.8	12	12		16	16
Audubon Parkway East	1077+96.8	1078+02.8	12	12		16	16
Audubon Parkway East	1078+46.7	1078+52.7	12			8	8
Audubon Parkway East	1079+46.7	1079+52.7		12		8	8
Audubon Parkway East	1079+96.6	1080+02.6	12	12		16	16
Audubon Parkway East	1081+96.4	1082+02.4	12			8	8
Audubon Parkway East	1082+96.4	1083+02.4	12	12		16	16
Audubon Parkway East	1084+96.3	1085+02.3	12			8	8
Audubon Parkway East	1085+96.1	1086+02.1	12			8	8
Audubon Parkway East	1086+96.2	1087+02.2	12			8	8
Audubon Parkway East	1087+46.2	1087+52.2	12			8	8
Audubon Parkway East	1088+46.1	1088+52.1	12	12		16	16
Audubon Parkway East	1088+96.2	1089+02.2	12			8	8
Audubon Parkway East	1089+96.2	1090+02.2	12			8	8
Audubon Parkway East	1090+46.1	1090+52.1	12	12		16	16
Audubon Parkway East	1090+96.2	1091+02.2	12	12		16	16
Audubon Parkway East	1092+46.1	1092+52.1	12			8	8
Audubon Parkway East	1092+83.1	1092+88.6		12		7	7
Audubon Parkway East	1093+71.4	1093+77.3		12		8	8
Audubon Parkway East	1094+08.0	1094+13.5		12		7	7
Audubon Parkway East	1094+46.2	1094+52.2	12			8	8
Audubon Parkway East	1094+96.1	1095+02.1	12			8	8
Audubon Parkway East	1095+46.3	1095+52.3	12			8	8
Audubon Parkway East	1095+72.9	1096+01.0		12		37	37
Audubon Parkway East	1097+88.2	1098+01.2		12		17	17
Audubon Parkway East	1098+46.3	1098+52.3	12			8	8
Audubon Parkway East	1099+46.3	1099+52.3	12	12		16	16
Audubon Parkway East	1099+96.2	1100+02.2	12	12		16	16
Audubon Parkway East	1100+46.2	1100+52.2	12			8	8
Audubon Parkway East	1100+60.0	1100+65.9		12		8	8
Audubon Parkway East	1100+83.8	1100+89.1		12		7	7
Audubon Parkway East	1102+96.3	1103+02.3		12		8	8
Audubon Parkway East	1103+46.9	1103+52.9		12		8	8
Audubon Parkway East	1103+96.3	1104+02.3		12		8	8
Audubon Parkway East	1104+46.1	1104+52.1	12	12		16	16
Audubon Parkway East	1104+96.2	1105+02.2	12			8	8
Audubon Parkway East	1105+46.2	1105+52.2	12			8	8
Audubon Parkway East	1105+96.3	1106+02.3		12		8	8
Audubon Parkway East	1107+96.2	1108+02.2	12			8	8
Audubon Parkway East	1108+46.2	1108+52.2		12		8	8

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1110+55.4	1110+62.6	12	12		19	19
Audubon Parkway East	1110+96.1	1111+02.1	12	12		16	16
Audubon Parkway East	1111+29.9	1111+40.7		12		14	14
Audubon Parkway East	1114+23.6	1114+29.6	12	12		16	16
Audubon Parkway East	1114+73.6	1114+79.6	12	12		16	16
Audubon Parkway East	1115+23.6	1115+29.6		12		8	8
Audubon Parkway East	1115+73.7	1115+79.7	12	12		16	16
Audubon Parkway East	1116+23.6	1116+29.6	12	12		16	16
Audubon Parkway East	1116+73.6	1116+79.6	12	12		16	16
Audubon Parkway East	1118+23.6	1118+29.6		12		8	8
Audubon Parkway East	1118+73.6	1118+79.6		12		8	8
Audubon Parkway East	1119+23.5	1119+29.5	12			8	8
Audubon Parkway East	1120+23.5	1120+29.5	12			8	8
Audubon Parkway East	1120+73.7	1120+79.7	12			8	8
Audubon Parkway East	1122+23.4	1122+29.6		12		8	8
Audubon Parkway East	1122+73.4	1122+79.4	12	12		16	16
Audubon Parkway East	1123+01.8	1123+14.7	12	12		34	34
Audubon Parkway East	1123+73.2	1123+79.2	12			8	8
Audubon Parkway East	1124+73.3	1124+79.3		12		8	8
Audubon Parkway East	1125+23.5	1125+29.5	12			8	8
Audubon Parkway East	1125+73.1	1125+79.1	12			8	8
Audubon Parkway East	1126+23.3	1126+29.3	12	12		16	16
Audubon Parkway East	1126+53.2	1126+59.6		12		8	8
Audubon Parkway East	1126+73.2	1126+79.2	12			8	8
Audubon Parkway East	1127+73.1	1127+79.1	12			8	8
Audubon Parkway East	1128+23.1	1128+29.1	12			8	8
Audubon Parkway East	1128+73.1	1128+79.1		12		8	8
Audubon Parkway East	1129+23.2	1129+29.2	12			8	8
Audubon Parkway East	1129+73.1	1129+79.1		12		8	8
Audubon Parkway East	1131+23.0	1131+29.0	12	12		16	16
Audubon Parkway East	1131+72.9	1131+78.9	12			8	8
Audubon Parkway East	1132+22.9	1132+28.9		12		8	8
Audubon Parkway East	1133+72.8	1133+78.8	12	12		16	16
Audubon Parkway East	1134+22.7	1134+28.7		12		8	8
Audubon Parkway East	1135+72.7	1135+78.7	12	12		16	16
Audubon Parkway East	1136+13.3	1136+18.9	12			8	8
Audubon Parkway East	1137+72.8	1137+78.8	12	12		16	16
Audubon Parkway East	1139+72.7	1139+78.7	12			8	8
Audubon Parkway East	1145+22.4	1145+28.4	12			8	8
Audubon Parkway East	1146+05.0	1146+28.3		12		31	31
Audubon Parkway East	1148+72.2	1148+78.2	12			8	8
Audubon Parkway East	1149+72.0	1149+78.0	12			8	8
Audubon Parkway East	1152+22.0	1152+28.0	12			8	8

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1153+71.9	1153+77.9	12			8	8
Audubon Parkway East	1154+98.6	1155+13.7		12		20	20
Audubon Parkway East	1155+72.0	1155+78.0		12		8	8
Audubon Parkway East	1156+22.0	1156+28.0	12			8	8
Audubon Parkway East	1156+71.9	1156+77.9	12			8	8
Audubon Parkway East	1158+22.0	1158+28.0	12			8	8
Audubon Parkway East	1158+77.4	1159+27.5		12		67	67
Audubon Parkway East	1159+24.5	1159+30.5	12			8	8
Audubon Parkway East	1159+74.5	1159+80.5	12			8	8
Audubon Parkway East	1161+22.1	1161+28.1	12	12		16	16
Audubon Parkway East	1161+71.8	1161+77.8	12	12		16	16
Audubon Parkway East	1163+45.9	1163+51.8		12		8	8
Audubon Parkway East	1166+22.0	1166+28.0	12			8	8
Audubon Parkway East	1167+21.9	1167+27.9		12		8	8
Audubon Parkway East	1167+59.5	1167+65.0		12		7	7
Audubon Parkway East	1168+77.5	1168+83.5		12		8	8
Audubon Parkway East	1169+77.2	1169+83.2	12	12		16	16
Audubon Parkway East	1170+77.3	1170+83.3	12	12		16	16
Audubon Parkway East	1171+77.0	1171+83.0	12	12		16	16
Audubon Parkway East	1172+27.0	1172+33.0		12		8	8
Audubon Parkway East	1172+52.1	1172+58.1		12		8	8
Audubon Parkway East	1172+72.1	1172+78.1		12		8	8
Audubon Parkway East	1172+88.9	1172+94.9		12		8	8
Audubon Parkway East	1173+22.2	1173+28.2		12		8	8
Audubon Parkway East	1173+72.2	1173+78.2	12	12		16	16
Audubon Parkway East	1174+22.4	1174+28.4	12	12		16	16
Audubon Parkway East	1174+72.2	1174+78.2	12	12		16	16
Audubon Parkway East	1175+22.3	1175+28.3	12	12		16	16
Audubon Parkway East	1175+72.3	1175+78.3	12	12		16	16
Audubon Parkway East	1176+22.2	1176+28.2	12	12		16	16
Audubon Parkway East	1176+72.3	1176+78.3	12	12		16	16
Audubon Parkway East	1177+22.3	1177+28.3	12	12		16	16
Audubon Parkway East	1177+72.5	1177+78.5	12	12		16	16
Audubon Parkway East	1178+22.6	1178+28.6	12	12		16	16
Audubon Parkway East	1178+36.6	1178+42.6	12	12		16	16
Audubon Parkway East	1178+54.7	1178+60.8	12	12		16	16
Audubon Parkway East	1179+46.1	1179+52.2		12		8	8
Audubon Parkway East	1179+72.7	1179+78.7		12		8	8
Audubon Parkway East	1180+73.0	1180+79.0		12		8	8
Audubon Parkway East	1182+73.0	1182+79.0		12		8	8
Audubon Parkway East	1182+83.8	1182+89.9		12		8	8
Audubon Parkway East	1183+23.1	1183+29.1	12	12		16	16
Audubon Parkway East	1183+73.1	1183+79.1	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1184+23.0	1184+29.0	12	12		16	16
Audubon Parkway East	1185+73.4	1185+79.4		12		8	8
Audubon Parkway East	1186+23.3	1186+29.3		12		8	8
Audubon Parkway East	1188+73.7	1188+79.7		12		8	8
Audubon Parkway East	1189+74.0	1189+80.0	12	12		16	16
Audubon Parkway East	1190+24.2	1190+30.2		12		8	8
Audubon Parkway East	1190+58.7	1190+65.0		12		8	8
Audubon Parkway East	1190+73.7	1190+79.7		12		8	8
Audubon Parkway East	1190+87.6	1190+93.6		12		8	8
Audubon Parkway East	1191+07.1	1191+13.2		12		8	8
Audubon Parkway East	1191+24.0	1191+30.0	12	12		16	16
Audubon Parkway East	1192+74.1	1192+80.1	12	12		16	16
Audubon Parkway East	1194+24.5	1194+30.5	12	12		16	16
Audubon Parkway East	1194+74.5	1194+80.5	12	12		16	16
Audubon Parkway East	1197+75.4	1197+81.4	12			8	8
Audubon Parkway East	1199+75.5	1199+81.5		12		8	8
Audubon Parkway East	1200+25.5	1200+31.5	12			8	8
Audubon Parkway East	1201+25.5	1201+31.5	12	12		16	16
Audubon Parkway East	1201+75.4	1201+81.4	12			8	8
Audubon Parkway East	1202+25.6	1202+31.6	12	12		16	16
Audubon Parkway East	1202+75.7	1202+81.7		12		8	8
Audubon Parkway East	1203+75.8	1203+81.8	12	12		16	16
Audubon Parkway East	1204+25.3	1204+31.3	12	12		16	16
Audubon Parkway East	1204+75.8	1204+81.8	12	12		16	16
Audubon Parkway East	1205+25.9	1205+31.9	12	12		16	16
Audubon Parkway East	1205+76.0	1205+82.0		12		8	8
Audubon Parkway East	1206+25.8	1206+31.8	12	12		16	16
Audubon Parkway East	1206+75.9	1206+81.9		12		8	8
Audubon Parkway East	1209+26.7	1209+32.7		12		8	8
Audubon Parkway East	1210+26.6	1210+32.6	12	12		16	16
Audubon Parkway East	1210+76.6	1210+82.6		12		8	8
Audubon Parkway East	1211+26.8	1211+32.8		12		8	8
Audubon Parkway East	1211+76.8	1211+82.8	12	12		16	16
Audubon Parkway East	1212+27.0	1212+33.0	12	12		16	16
Audubon Parkway East	1212+62.1	1212+68.2		12		8	8
Audubon Parkway East	1212+77.0	1212+83.0	12	12		16	16
Audubon Parkway East	1212+88.9	1212+94.9		12		8	8
Audubon Parkway East	1213+26.9	1213+32.9	12	12		16	16
Audubon Parkway East	1213+76.9	1213+82.9	12	12		16	16
Audubon Parkway East	1214+27.1	1214+33.1	12	12		16	16
Audubon Parkway East	1214+77.0	1214+83.0	12	12		16	16
Audubon Parkway East	1215+26.9	1215+45.7	12	12		50	50
Audubon Parkway East	1215+77.1	1215+83.1		12		8	8

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1216+27.9	1216+33.9	12	12		16	16
Audubon Parkway East	1216+77.5	1216+83.5	12	12		16	16
Audubon Parkway East	1217+01.4	1217+07.4	12	12		16	16
Audubon Parkway East	1217+27.4	1217+33.4		12		8	8
Audubon Parkway East	1217+77.7	1217+83.7	12	12		16	16
Audubon Parkway East	1218+27.5	1218+33.5		12		8	8
Audubon Parkway East	1218+77.6	1218+83.6	12	12		16	16
Audubon Parkway East	1219+44.8	1219+50.8		12		8	8
Audubon Parkway East	1219+77.6	1219+83.6	12	12		16	16
Audubon Parkway East	1220+27.6	1220+33.6		12		8	8
Audubon Parkway East	1220+77.5	1220+83.5	12	12		16	16
Audubon Parkway East	1221+27.5	1221+33.5	12			8	8
Audubon Parkway East	1224+45.6	1224+51.8		12		8	8
Audubon Parkway East	1226+27.3	1226+33.3	12			8	8
Audubon Parkway East	1227+77.2	1227+83.2	12			8	8
Audubon Parkway East	1230+77.1	1230+83.1	12			8	8
Audubon Parkway East	1233+27.3	1233+33.3	12			8	8
Audubon Parkway East	1233+77.2	1233+83.2	12			8	8
Audubon Parkway East	1234+60.7	1234+66.9	12	12		16	16
Audubon Parkway East	1237+27.1	1237+33.1	12			8	8
Audubon Parkway East	1240+26.9	1240+32.9	12			8	8
Audubon Parkway East	1240+76.8	1240+82.8	12			8	8
Audubon Parkway East	1242+26.9	1242+32.9	12			8	8
Audubon Parkway East	1243+27.0	1243+33.0	12	12		16	16
Audubon Parkway East	1243+76.8	1243+82.8	12	12		16	16
Audubon Parkway East	1244+26.8	1244+32.8	12	12		16	16
Audubon Parkway East	1244+76.9	1244+82.9	12	12		16	16
Audubon Parkway East	1245+26.9	1245+32.9	12			8	8
Audubon Parkway East	1245+76.9	1245+82.9	12	12		16	16
Audubon Parkway East	1246+26.7	1246+32.7	12			8	8
Audubon Parkway East	1247+26.5	1247+32.5	12			8	8
Audubon Parkway East	1247+76.4	1247+82.4	12	12		16	16
Audubon Parkway East	1248+76.5	1248+82.5	12			8	8
Audubon Parkway East	1250+26.2	1250+32.2	12	12		16	16
Audubon Parkway East	1250+76.5	1250+82.5	12			8	8
Audubon Parkway East	1251+26.4	1251+32.4	12	12		16	16
Audubon Parkway East	1251+76.2	1251+82.2	12			8	8
Audubon Parkway East	1252+76.4	1252+82.4		12		8	8
Audubon Parkway East	1253+26.4	1253+32.4	12	12		16	16
Audubon Parkway East	1253+76.4	1253+82.4	12	12		16	16
Audubon Parkway East	1254+26.4	1254+32.4		12		8	8
Audubon Parkway East	1254+49.3	1254+55.3		12		8	8
Audubon Parkway East	1254+76.4	1254+82.4	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1256+26.5	1256+32.5	12	12		16	16
Audubon Parkway East	1256+76.5	1256+82.5	12			8	8
Audubon Parkway East	1257+76.4	1257+82.4	12			8	8
Audubon Parkway East	1258+76.3	1258+82.3	12			8	8
Audubon Parkway East	1259+26.0	1259+32.0	12			8	8
Audubon Parkway East	1260+26.5	1260+32.5	12	12		16	16
Audubon Parkway East	1260+76.2	1260+82.2	12	12		16	16
Audubon Parkway East	1261+26.4	1261+32.4	12	12		16	16
Audubon Parkway East	1261+76.4	1261+82.4	12	12		16	16
Audubon Parkway East	1262+26.6	1262+32.6	12	12		16	16
Audubon Parkway East	1262+76.7	1262+82.7	12			8	8
Audubon Parkway East	1263+26.4	1263+32.4	12			8	8
Audubon Parkway East	1263+43.9	1263+49.8		12		8	8
Audubon Parkway East	1263+95.0	1264+01.0		12		8	8
Audubon Parkway East	1264+26.6	1264+32.6		12		8	8
Audubon Parkway East	1264+76.5	1264+82.5	12			8	8
Audubon Parkway East	1265+26.4	1265+32.4		12		8	8
Audubon Parkway East	1266+26.6	1266+32.6	12	12		16	16
Audubon Parkway East	1266+76.5	1266+82.5	12	12		16	16
Audubon Parkway East	1267+07.1	1267+13.1	12	12		16	16
Audubon Parkway East	1267+21.6	1267+42.2		12		28	28
Audubon Parkway East	1268+30.5	1268+38.9	12	12		22	22
Audubon Parkway East	1269+77.6	1269+86.1	12	12		23	23
Audubon Parkway East	1269+86.1	1269+97.0		12		15	15
Audubon Parkway East	1271+37.3	1271+50.7			3.8	6	6
Audubon Parkway East	1271+68.1	1271+74.1		12		8	8
Audubon Parkway East	1271+81.3	1272+00.0	12	12		50	50
Audubon Parkway East	1275+91.0	1275+97.0	12	12		16	16
Audubon Parkway East	1277+90.6	1277+96.6	12	12		16	16
Audubon Parkway East	1278+40.5	1278+46.5	12	12		16	16
Audubon Parkway East	1278+90.2	1278+96.2	12	12		16	16
Audubon Parkway East	1279+16.1	1279+24.3		12		11	11
Audubon Parkway East	1279+40.3	1279+46.3	12			8	8
Audubon Parkway East	1279+57.7	1279+63.8		12		8	8
Audubon Parkway East	1279+74.8	1279+80.8		12		8	8
Audubon Parkway East	1279+90.3	1279+96.3	12			8	8
Audubon Parkway East	1280+02.1	1280+08.1		12		8	8
Audubon Parkway East	1280+40.2	1280+46.2	12			8	8
Audubon Parkway East	1280+90.1	1280+96.1	12	12		16	16
Audubon Parkway East	1281+40.0	1281+46.0	12			8	8
Audubon Parkway East	1282+39.6	1282+45.6	12			8	8
Audubon Parkway East	1283+39.5	1283+45.5	12	12		16	16
Audubon Parkway East	1283+54.7	1283+60.7		12		8	8

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1283+89.3	1283+95.3	12	12		16	16
Audubon Parkway East	1285+39.0	1285+45.0	12	12		16	16
Audubon Parkway East	1285+88.8	1285+94.8	12	12		16	16
Audubon Parkway East	1286+38.7	1286+44.7		12		8	8
Audubon Parkway East	1287+38.5	1287+44.5		12		8	8
Audubon Parkway East	1288+38.3	1288+44.3	12	12		16	16
Audubon Parkway East	1288+88.3	1288+94.3	12	12		16	16
Audubon Parkway East	1290+25.0	1290+43.4	12	12		49	49
Audubon Parkway East	1290+87.7	1290+93.7	12	12		16	16
Audubon Parkway East	1291+65.5	1291+72.4	12			9	9
Audubon Parkway East	1291+89.9	1292+01.4	12			15	15
Audubon Parkway East	1292+57.0	1292+63.1	12			8	8
Audubon Parkway East	1293+16.5	1293+52.1	12	12		95	95
Audubon Parkway East	1293+55.9	1293+81.3	12			34	34
Audubon Parkway East	1294+21.6	1295+52.3		12		174	174
Audubon Parkway East	1295+76.2	1296+02.0	12			34	34
Audubon Parkway East	1295+96.1	1296+02.1		12		8	8
Audubon Parkway East	1296+26.6	1296+53.3	12			36	36
Audubon Parkway East	1296+45.8	1296+51.8		12		8	8
Audubon Parkway East	1297+18.4	1297+24.7	12			8	8
Audubon Parkway East	1297+32.0	1297+38.0	12			8	8
Audubon Parkway East	1297+68.0	1297+74.0	12	12		16	16
Audubon Parkway East	1298+07.1	1298+13.1	12	12		16	16
Audubon Parkway East	1298+48.8	1298+53.5	8			4	4
Audubon Parkway East	1298+48.8	1298+76.1			8	24	24
Audubon Parkway East	1298+48.8	1298+96.3		8		42	42
Audubon Parkway East	1299+47.5	1299+53.5		7.2		5	5
Audubon Parkway East	1299+73.2	1300+02.4			8	26	26
Audubon Parkway East	1299+93.2	1300+02.4	8			8	8
Audubon Parkway East	1300+96.2	1301+40.2		4.7		23	23
Audubon Parkway East	1301+10.7	1301+16.5			8	5	5
Audubon Parkway East	1301+10.7	1301+16.5	8.2			5	5
Audubon Parkway East	1301+83.3	1301+89.3			19.9	13	13
Audubon Parkway East	1302+32.9	1302+38.9	7.9			5	5
Audubon Parkway East	1302+68.8	1302+74.8	7.9			5	5
Audubon Parkway East	1302+81.4	1303+15.0		10		37	37
Audubon Parkway East	1303+32.0	1303+48.7		9		17	17
Audubon Parkway East	1303+70.1	1303+76.1		9		6	6
Audubon Parkway East	1303+80.8	1303+86.8		9		6	6
Audubon Parkway East	1304+29.9	1304+35.9			16.1	11	11
Audubon Parkway East	1304+79.0	1304+85.0			15.8	11	11
Audubon Parkway East	1305+28.2	1305+34.2		8.1		5	5
Audubon Parkway East	1305+77.2	1305+83.2			15.9	11	11

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway East	1306+25.8	1306+42.8			16	30	30
Audubon Parkway East	1309+12.7	1309+71.6			16	105	105
Audubon Parkway East	1309+12.7	1309+71.6	4.5			29	29
Audubon Parkway East	1309+12.7	1309+34.6		6.1		15	15
Audubon Parkway East	1310+55.0	1310+61.0			15.8	11	11
Audubon Parkway East	1310+80.5	1310+86.4		7.8		5	5
Audubon Parkway East	1311+03.5	1311+09.5			15.8	11	11
Audubon Parkway East	1311+51.8	1311+57.8			15.9	11	11
Audubon Parkway East	1311+99.0	1312+05.0			15.9	11	11
Audubon Parkway East	1312+45.7	1312+51.7			15.9	11	11
Audubon Parkway East	1312+92.5	1312+98.5			15.9	11	11
Audubon Parkway East	1313+39.1	1313+45.1			15.9	11	11
Audubon Parkway East	1313+85.9	1313+91.9			15.9	11	11
Audubon Parkway East	1314+32.6	1314+38.6			15.9	11	11
Audubon Parkway East	1314+79.2	1314+85.2	7.8			5	5
Audubon Parkway East	1315+10.1	1315+18.4			15.8	15	15
Audubon Parkway East	1315+38.6	1315+47.7			15.6	16	16
Audubon Parkway East	1315+72.5	1315+78.5			16.2	11	11
Audubon Parkway East	1316+19.4	1316+25.4	7.9			5	5
Audubon Parkway East	1316+66.0	1316+72.0			15.9	11	11
Audubon Parkway East	1317+12.5	1317+18.5			16	11	11
Audubon Parkway East	1317+59.2	1317+65.2			15.8	11	11
Audubon Parkway East	1318+05.9	1318+11.9			15.8	11	11
Audubon Parkway East	1318+52.4	1318+58.4			15.8	11	11
Audubon Parkway East	1318+99.1	1319+05.1			15.8	11	11
Audubon Parkway East	1319+23.6	1319+29.3		8		5	5
Audubon Parkway East	1319+45.7	1319+51.7			15.8	11	11
Audubon Parkway East	1319+60.3	1319+69.2	7.9			8	8
Audubon Parkway East	1319+92.2	1319+98.2			15.7	10	10
Audubon Parkway East	1320+38.8	1320+44.8			16	11	11
SUB TOTAL						**11255**	**11255**
Audubon Parkway West	916+46.6	917+96.7	12	12		400	400
Audubon Parkway West	918+39.1	918+45.1	12	12		16	16
Audubon Parkway West	918+89.5	918+95.5	12	12		16	16
Audubon Parkway West	919+15.9	919+24.9	12	12		24	24
Audubon Parkway West	920+28.4	920+34.2		12		8	8
Audubon Parkway West	920+69.1	920+74.7		12		7	7
Audubon Parkway West	920+90.2	920+96.2	12			8	8
Audubon Parkway West	921+40.5	921+46.5	12	12		16	16
Audubon Parkway West	922+76.5	922+82.8		12		8	8
Audubon Parkway West	922+90.9	922+96.9	12	12		16	16
Audubon Parkway West	923+19.6	923+28.3	12	12		23	23

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY

LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	923+91.6	923+97.6		12		8	8
Audubon Parkway West	924+91.6	924+97.6	12	12		16	16
Audubon Parkway West	925+16.9	925+23.4	12	12		17	17
Audubon Parkway West	925+42.6	925+48.6	12	12		16	16
Audubon Parkway West	925+91.4	925+99.2	12			10	10
Audubon Parkway West	925+91.4	926+09.8		12		25	25
Audubon Parkway West	926+42.6	926+48.6	12	12		16	16
Audubon Parkway West	926+63.4	926+73.1		12		13	13
Audubon Parkway West	926+92.4	926+98.4	12	12		16	16
Audubon Parkway West	927+42.8	927+48.8		12		8	8
Audubon Parkway West	927+92.8	927+98.8		12		8	8
Audubon Parkway West	928+43.0	928+49.0	12	12		16	16
Audubon Parkway West	928+68.5	928+74.9		12		8	8
Audubon Parkway West	928+93.1	928+99.1	12	12		16	16
Audubon Parkway West	929+43.6	929+49.6	12	12		16	16
Audubon Parkway West	929+93.7	929+99.7	12	12		16	16
Audubon Parkway West	930+94.0	931+00.0	12	12		16	16
Audubon Parkway West	931+14.2	931+22.1		12		10	10
Audubon Parkway West	931+27.4	931+33.5	12			8	8
Audubon Parkway West	931+44.4	931+50.4	12	12		16	16
Audubon Parkway West	932+05.5	932+11.5	12			8	8
Audubon Parkway West	932+19.0	932+25.0	12			8	8
Audubon Parkway West	932+30.2	932+38.5		12		11	11
Audubon Parkway West	932+57.1	932+63.5		12		9	9
Audubon Parkway West	932+95.2	933+01.2		12		8	8
Audubon Parkway West	933+30.7	933+38.0	12			10	10
Audubon Parkway West	933+45.2	933+51.2		12		8	8
Audubon Parkway West	934+46.0	934+52.0	12	12		16	16
Audubon Parkway West	934+92.2	935+06.7	12	12		39	39
Audubon Parkway West	935+46.6	935+52.6		12		8	8
Audubon Parkway West	935+97.1	936+03.1	12	12		16	16
Audubon Parkway West	936+47.5	936+53.5		12		8	8
Audubon Parkway West	936+96.7	937+03.8	12			10	10
Audubon Parkway West	936+96.7	937+22.6		12		35	35
Audubon Parkway West	937+48.2	937+54.2		12		8	8
Audubon Parkway West	937+97.9	938+03.9		12		8	8
Audubon Parkway West	938+48.4	938+54.4	12	12		16	16
Audubon Parkway West	938+98.4	939+04.4	12	12		16	16
Audubon Parkway West	939+28.0	939+34.0		12		8	8
Audubon Parkway West	939+47.9	939+53.9	12	12		16	16
Audubon Parkway West	939+99.1	940+05.1	12	12		16	16
Audubon Parkway West	940+49.3	940+55.3	12	12		16	16
Audubon Parkway West	940+99.1	941+05.1	12			8	8

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	941+49.0	941+55.0	12	12		16	16
Audubon Parkway West	944+50.6	944+56.6		12		8	8
Audubon Parkway West	944+75.9	944+82.2		12		8	8
Audubon Parkway West	945+00.8	945+06.8	12	12		16	16
Audubon Parkway West	945+18.3	945+23.6		12		7	7
Audubon Parkway West	946+01.1	946+07.1	12	12		16	16
Audubon Parkway West	948+02.1	948+08.1	12	12		16	16
Audubon Parkway West	948+52.2	948+58.2	12	12		16	16
Audubon Parkway West	949+02.1	949+08.1	12	12		16	16
Audubon Parkway West	949+52.4	949+58.4	12	12		16	16
Audubon Parkway West	950+03.0	950+09.0		12		8	8
Audubon Parkway West	951+03.0	951+09.0		12		8	8
Audubon Parkway West	951+24.0	951+33.2		12		12	12
Audubon Parkway West	951+53.4	951+59.4		12		8	8
Audubon Parkway West	952+04.0	952+10.0	12	12		16	16
Audubon Parkway West	952+28.1	952+36.0	12	12		21	21
Audubon Parkway West	953+04.1	953+10.1	12	12		16	16
Audubon Parkway West	953+54.7	953+60.7	12	12		16	16
Audubon Parkway West	954+54.3	954+60.3	12	12		16	16
Audubon Parkway West	955+04.3	955+10.3	12	12		16	16
Audubon Parkway West	955+54.4	955+60.4	12			8	8
Audubon Parkway West	956+54.2	956+60.2	12	12		16	16
Audubon Parkway West	956+90.1	956+96.6		12		9	9
Audubon Parkway West	957+03.9	957+09.9	12			8	8
Audubon Parkway West	957+54.2	957+60.2	12			8	8
Audubon Parkway West	958+54.0	958+60.0	12			8	8
Audubon Parkway West	959+04.0	959+10.0	12			8	8
Audubon Parkway West	959+53.9	959+59.9	12			8	8
Audubon Parkway West	960+03.8	960+09.8	12	12		16	16
Audubon Parkway West	960+53.9	960+59.9	12	12		16	16
Audubon Parkway West	961+03.7	961+09.7	12	12		16	16
Audubon Parkway West	961+53.7	961+59.7	12	12		16	16
Audubon Parkway West	962+53.7	962+59.7	12			8	8
Audubon Parkway West	963+53.4	963+59.4	12			8	8
Audubon Parkway West	964+03.3	964+09.3	12			8	8
Audubon Parkway West	964+53.4	964+59.4	12	12		16	16
Audubon Parkway West	965+03.2	965+09.2	12	12		16	16
Audubon Parkway West	966+03.2	966+09.2	12	12		16	16
Audubon Parkway West	966+29.8	966+36.7	12	12		18	18
Audubon Parkway West	966+53.1	966+59.1	12	12		16	16
Audubon Parkway West	967+03.1	967+09.1	12			8	8
Audubon Parkway West	967+53.0	967+59.0	12			8	8
Audubon Parkway West	968+02.9	968+08.9	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	968+52.9	968+58.9	12			8	8
Audubon Parkway West	969+52.9	969+58.9	12			8	8
Audubon Parkway West	970+02.7	970+08.7	12	12		16	16
Audubon Parkway West	970+52.6	970+58.6	12	12		16	16
Audubon Parkway West	971+02.7	971+08.7	12	12		16	16
Audubon Parkway West	971+52.5	971+58.5	12			8	8
Audubon Parkway West	972+02.5	972+08.5	12			8	8
Audubon Parkway West	972+52.5	972+58.5	12	12		16	16
Audubon Parkway West	973+02.4	973+08.4	12	12		16	16
Audubon Parkway West	974+28.7	975+05.2	12	12		204	204
Audubon Parkway West	975+02.2	975+08.2		12		8	8
Audubon Parkway West	975+32.6	975+39.4	12	12		18	18
Audubon Parkway West	975+52.1	975+58.1	12	12		16	16
Audubon Parkway West	976+01.9	976+07.9	12	12		16	16
Audubon Parkway West	976+51.8	976+57.8	12	12		16	16
Audubon Parkway West	978+18.6	978+42.4	12	12		63	63
Audubon Parkway West	978+51.7	978+57.7	12			8	8
Audubon Parkway West	978+85.3	979+09.1	12	12		63	63
Audubon Parkway West	980+01.4	980+07.4	12			8	8
Audubon Parkway West	981+01.6	981+07.6		12		8	8
Audubon Parkway West	981+84.3	981+91.1	12	12		18	18
Audubon Parkway West	982+01.6	982+07.6	12			8	8
Audubon Parkway West	982+51.7	982+57.7	12			8	8
Audubon Parkway West	982+71.3	982+90.0		12		25	25
Audubon Parkway West	982+84.6	982+90.0	12			7	7
Audubon Parkway West	983+69.7	983+76.7	12	12		19	19
Audubon Parkway West	984+51.3	984+57.3	12			8	8
Audubon Parkway West	984+83.5	984+89.5	12	12		16	16
Audubon Parkway West	985+31.7	985+38.0	12	12		17	17
Audubon Parkway West	985+51.2	985+57.2	12			8	8
Audubon Parkway West	985+79.8	985+86.5	12	12		18	18
Audubon Parkway West	986+25.0	986+33.4	12	12		22	22
Audubon Parkway West	986+51.9	986+57.9	12	12		16	16
Audubon Parkway West	987+01.1	987+07.1	12	12		16	16
Audubon Parkway West	987+34.1	987+40.1	12	12		16	16
Audubon Parkway West	987+51.3	987+57.3	12	12		16	16
Audubon Parkway West	988+01.3	988+07.3	12	12		16	16
Audubon Parkway West	988+51.2	988+57.2	12	12		16	16
Audubon Parkway West	989+51.1	989+57.1	12			8	8
Audubon Parkway West	989+70.9	989+76.7	12	12		15	15
Audubon Parkway West	990+01.3	990+07.3	12	12		16	16
Audubon Parkway West	990+64.1	990+84.4	12			27	27
Audubon Parkway West	990+77.4	990+84.4		12		9	9

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	991+23.3	991+42.3	12	12		51	51
Audubon Parkway West	991+51.0	991+57.0	12	12		16	16
Audubon Parkway West	992+18.3	992+25.6	12	12		19	19
Audubon Parkway West	992+51.1	992+57.1		12		8	8
Audubon Parkway West	993+01.0	993+07.0	12	12		16	16
Audubon Parkway West	993+77.5	993+89.8	12	12		33	33
Audubon Parkway West	994+00.7	994+06.7	12	12		16	16
Audubon Parkway West	994+42.2	994+47.6	12			7	7
Audubon Parkway West	994+74.8	994+81.2		12		9	9
Audubon Parkway West	995+50.6	995+56.6	12			8	8
Audubon Parkway West	996+00.7	996+06.7	12	12		16	16
Audubon Parkway West	996+50.7	996+56.7	12	12		16	16
Audubon Parkway West	997+00.6	997+06.6	12			8	8
Audubon Parkway West	997+32.3	997+38.9		12		9	9
Audubon Parkway West	997+50.6	997+56.6	12	12		16	16
Audubon Parkway West	998+00.3	998+06.3	12	12		16	16
Audubon Parkway West	998+50.2	998+56.2	12	12		16	16
Audubon Parkway West	999+00.3	999+06.3	12			8	8
Audubon Parkway West	999+50.3	999+56.3	12	12		16	16
Audubon Parkway West	1000+00.3	1000+06.3	12	12		16	16
Audubon Parkway West	1001+50.1	1001+56.1	12	12		16	16
Audubon Parkway West	1002+00.1	1002+06.1	12	12		16	16
Audubon Parkway West	1002+67.6	1002+75.5	12	12		21	21
Audubon Parkway West	1003+00.1	1003+06.1	12	12		16	16
Audubon Parkway West	1003+15.5	1003+22.6		12		10	10
Audubon Parkway West	1003+50.1	1003+56.1	12	12		16	16
Audubon Parkway West	1003+66.1	1003+73.1	12	12		19	19
Audubon Parkway West	1004+19.1	1004+23.9	12	12		13	13
Audubon Parkway West	1005+49.8	1005+55.8		12		8	8
Audubon Parkway West	1005+68.1	1005+75.1	12	12		19	19
Audubon Parkway West	1005+87.0	1005+93.5		12		9	9
Audubon Parkway West	1005+99.9	1006+05.9		12		8	8
Audubon Parkway West	1006+31.5	1006+37.2		12		8	8
Audubon Parkway West	1006+49.6	1006+55.6	12	12		16	16
Audubon Parkway West	1007+49.9	1007+55.9	12			8	8
Audubon Parkway West	1007+75.7	1007+82.6	12	12		18	18
Audubon Parkway West	1009+49.4	1009+55.4	12	12		16	16
Audubon Parkway West	1010+99.3	1011+05.3	12	12		16	16
Audubon Parkway West	1011+30.4	1011+39.6	12	12		24	24
Audubon Parkway West	1011+65.7	1011+73.3	12	12		20	20
Audubon Parkway West	1011+99.3	1012+05.3	12			8	8
Audubon Parkway West	1013+24.2	1013+31.1	12	12		18	18
Audubon Parkway West	1013+99.0	1014+05.0	12			8	8

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1014+28.6	1014+34.1	12	12		15	15
Audubon Parkway West	1014+66.5	1014+83.4	12	12		45	45
Audubon Parkway West	1014+99.0	1015+05.0	12	12		16	16
Audubon Parkway West	1015+69.0	1015+89.2	12	12		54	54
Audubon Parkway West	1016+15.3	1016+38.4	12	12		62	62
Audubon Parkway West	1016+48.9	1016+54.9	12			8	8
Audubon Parkway West	1016+98.7	1017+04.7	12	12		16	16
Audubon Parkway West	1017+17.8	1017+39.7	12	12		58	58
Audubon Parkway West	1017+48.9	1017+54.9	12			8	8
Audubon Parkway West	1018+17.1	1018+26.4	12	12		25	25
Audubon Parkway West	1018+48.8	1018+54.8	12			8	8
Audubon Parkway West	1019+23.4	1019+30.4	12	12		19	19
Audubon Parkway West	1019+48.9	1019+54.9	12			8	8
Audubon Parkway West	1019+98.9	1020+04.9	12			8	8
Audubon Parkway West	1020+48.9	1020+54.9	12			8	8
Audubon Parkway West	1020+85.2	1020+92.7		12		10	10
Audubon Parkway West	1021+66.7	1021+86.4	12	12		52	52
Audubon Parkway West	1023+29.6	1023+38.0	12	12		23	23
Audubon Parkway West	1023+48.7	1023+54.7	12			8	8
Audubon Parkway West	1023+98.8	1024+04.8	12			8	8
Audubon Parkway West	1024+98.8	1025+04.8	12	12		16	16
Audubon Parkway West	1025+15.0	1025+22.5	12	12		20	20
Audubon Parkway West	1025+73.8	1025+80.9	12	12		19	19
Audubon Parkway West	1025+98.6	1026+04.6	12			8	8
Audubon Parkway West	1026+98.6	1027+04.6	12	12		16	16
Audubon Parkway West	1027+48.7	1027+54.7	12	12		16	16
Audubon Parkway West	1028+48.7	1028+54.7	12			8	8
Audubon Parkway West	1028+98.6	1029+04.6	12	12		16	16
Audubon Parkway West	1029+48.5	1029+54.5	12			8	8
Audubon Parkway West	1030+48.4	1030+54.4	12	12		16	16
Audubon Parkway West	1030+98.5	1031+04.5	12	12		16	16
Audubon Parkway West	1031+98.3	1032+04.3	12			8	8
Audubon Parkway West	1032+96.1	1033+02.1	12	12		16	16
Audubon Parkway West	1033+48.4	1033+54.4	12			8	8
Audubon Parkway West	1033+98.4	1034+04.4	12			8	8
Audubon Parkway West	1034+48.3	1034+54.3	12	12		16	16
Audubon Parkway West	1034+98.5	1035+04.5	12	12		16	16
Audubon Parkway West	1035+35.5	1035+42.0	12			9	9
Audubon Parkway West	1035+48.4	1035+54.4	12			8	8
Audubon Parkway West	1036+48.5	1036+54.5	12	12		16	16
Audubon Parkway West	1036+98.4	1037+04.4	12	12		16	16
Audubon Parkway West	1037+48.7	1037+54.7	12	12		16	16
Audubon Parkway West	1037+75.1	1037+82.2	12			9	9

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1038+48.7	1038+54.7	12	12		16	16
Audubon Parkway West	1038+98.5	1039+04.5	12	12		16	16
Audubon Parkway West	1039+48.5	1039+54.5	12			8	8
Audubon Parkway West	1039+98.6	1040+04.6	12	12		16	16
Audubon Parkway West	1040+48.8	1040+54.8	12	12		16	16
Audubon Parkway West	1040+98.7	1041+04.7	12			8	8
Audubon Parkway West	1041+48.5	1041+54.5		12		8	8
Audubon Parkway West	1041+77.8	1041+84.1	12			8	8
Audubon Parkway West	1041+98.5	1042+04.5	12	12		16	16
Audubon Parkway West	1042+19.6	1042+26.6		12		9	9
Audubon Parkway West	1042+48.6	1042+54.6	12	12		16	16
Audubon Parkway West	1043+48.5	1043+54.5		12		8	8
Audubon Parkway West	1043+98.6	1044+04.6	12	12		16	16
Audubon Parkway West	1044+17.8	1044+24.4	12			9	9
Audubon Parkway West	1044+48.8	1044+54.8	12	12		16	16
Audubon Parkway West	1044+98.6	1045+04.6	12	12		16	16
Audubon Parkway West	1045+48.7	1045+54.7	12	12		16	16
Audubon Parkway West	1045+69.1	1045+75.4	12			8	8
Audubon Parkway West	1045+98.7	1046+04.7	12	12		16	16
Audubon Parkway West	1046+48.8	1046+54.8	12			8	8
Audubon Parkway West	1046+98.9	1047+04.9	12			8	8
Audubon Parkway West	1047+48.8	1047+54.8	12	12		16	16
Audubon Parkway West	1047+98.9	1048+04.9	12	12		16	16
Audubon Parkway West	1048+16.1	1048+22.6	12			9	9
Audubon Parkway West	1048+48.8	1048+54.8	12	12		16	16
Audubon Parkway West	1048+98.9	1049+04.9	12	12		16	16
Audubon Parkway West	1049+48.9	1049+54.9	12	12		16	16
Audubon Parkway West	1049+99.3	1050+05.3	12	12		16	16
Audubon Parkway West	1050+48.7	1050+54.7	12			8	8
Audubon Parkway West	1050+98.9	1051+04.9	12	12		16	16
Audubon Parkway West	1051+49.1	1051+55.1	12	12		16	16
Audubon Parkway West	1051+98.8	1052+04.8	12	12		16	16
Audubon Parkway West	1052+48.6	1052+54.6	12	12		16	16
Audubon Parkway West	1052+98.7	1053+04.7	12	12		16	16
Audubon Parkway West	1053+48.8	1053+54.8		12		8	8
Audubon Parkway West	1053+98.8	1054+04.8	12	12		16	16
Audubon Parkway West	1054+48.6	1054+54.6	12			8	8
Audubon Parkway West	1054+98.5	1055+04.5	12			8	8
Audubon Parkway West	1055+48.6	1055+54.6		12		8	8
Audubon Parkway West	1055+98.9	1056+04.9	12			8	8
Audubon Parkway West	1056+98.7	1057+04.7	12	12		16	16
Audubon Parkway West	1057+48.7	1057+54.7	12	12		16	16
Audubon Parkway West	1057+98.7	1058+04.7	12			8	8

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1058+48.8	1058+54.8		12		8	8
Audubon Parkway West	1058+98.8	1059+04.8	12	12		16	16
Audubon Parkway West	1059+48.7	1059+54.7	12			8	8
Audubon Parkway West	1059+98.7	1060+04.7	12	12		16	16
Audubon Parkway West	1060+48.7	1060+54.7	12			8	8
Audubon Parkway West	1060+98.8	1061+04.8	12			8	8
Audubon Parkway West	1061+48.8	1061+54.8	12	12		16	16
Audubon Parkway West	1061+98.6	1062+04.6	12			8	8
Audubon Parkway West	1062+48.5	1062+54.5	12	12		16	16
Audubon Parkway West	1062+98.8	1063+04.8	12			8	8
Audubon Parkway West	1063+48.7	1063+54.7	12			8	8
Audubon Parkway West	1063+83.1	1063+90.9	12			10	10
Audubon Parkway West	1063+98.7	1064+04.7	12			8	8
Audubon Parkway West	1065+48.6	1065+54.6	12			8	8
Audubon Parkway West	1065+98.7	1066+04.7	12	12		16	16
Audubon Parkway West	1066+48.5	1066+54.5	12			8	8
Audubon Parkway West	1066+98.6	1067+04.6	12			8	8
Audubon Parkway West	1067+48.6	1067+54.6	12	12		16	16
Audubon Parkway West	1067+98.5	1068+04.5		12		8	8
Audubon Parkway West	1068+98.6	1069+04.6		12		8	8
Audubon Parkway West	1069+48.7	1069+54.7	12	12		16	16
Audubon Parkway West	1069+82.9	1069+91.6		12		12	12
Audubon Parkway West	1070+98.6	1071+04.6	12			8	8
Audubon Parkway West	1071+48.5	1071+54.5	12			8	8
Audubon Parkway West	1071+72.3	1071+80.4	12			11	11
Audubon Parkway West	1071+98.6	1072+04.6		12		8	8
Audubon Parkway West	1072+48.5	1072+54.5	12	12		16	16
Audubon Parkway West	1073+36.1	1073+54.8	12	12		50	50
Audubon Parkway West	1073+98.3	1074+04.3	12			8	8
Audubon Parkway West	1074+98.3	1075+04.3	12			8	8
Audubon Parkway West	1075+98.3	1076+04.3	12	12		16	16
Audubon Parkway West	1076+98.3	1077+04.3	12			8	8
Audubon Parkway West	1078+48.2	1078+54.2	12	12		16	16
Audubon Parkway West	1079+48.2	1079+54.2	12			8	8
Audubon Parkway West	1079+98.1	1080+04.1	12			8	8
Audubon Parkway West	1080+48.2	1080+54.2	12			8	8
Audubon Parkway West	1080+98.1	1081+04.1	12			8	8
Audubon Parkway West	1081+48.1	1081+54.1	12	12		16	16
Audubon Parkway West	1081+98.0	1082+04.0	12	12		16	16
Audubon Parkway West	1082+48.1	1082+54.1	12			8	8
Audubon Parkway West	1083+48.0	1083+54.0	12			8	8
Audubon Parkway West	1083+98.1	1084+04.1	12			8	8
Audubon Parkway West	1084+81.0	1084+88.3		12		10	10

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1085+47.9	1085+53.9	12			8	8
Audubon Parkway West	1085+97.9	1086+03.9		12		8	8
Audubon Parkway West	1086+47.8	1086+53.8	12			8	8
Audubon Parkway West	1087+47.7	1087+53.7	12			8	8
Audubon Parkway West	1087+97.5	1088+03.5	12			8	8
Audubon Parkway West	1088+97.9	1089+03.9	12			8	8
Audubon Parkway West	1089+47.6	1089+53.6	12			8	8
Audubon Parkway West	1089+97.6	1090+03.6	12			8	8
Audubon Parkway West	1090+47.6	1090+53.6	12			8	8
Audubon Parkway West	1090+97.6	1091+03.6	12			8	8
Audubon Parkway West	1091+47.5	1091+53.5	12	12		16	16
Audubon Parkway West	1091+97.6	1092+03.6	12			8	8
Audubon Parkway West	1092+97.5	1093+03.5	12			8	8
Audubon Parkway West	1093+97.6	1094+03.6	12			8	8
Audubon Parkway West	1094+97.5	1095+03.5	12			8	8
Audubon Parkway West	1095+47.5	1095+53.5	12	12		16	16
Audubon Parkway West	1096+47.4	1096+53.4	12			8	8
Audubon Parkway West	1096+97.4	1097+03.4	12			8	8
Audubon Parkway West	1097+47.4	1097+53.4	12	12		16	16
Audubon Parkway West	1097+97.5	1098+03.5	12			8	8
Audubon Parkway West	1098+97.4	1099+03.4	12			8	8
Audubon Parkway West	1100+47.3	1100+53.3	12			8	8
Audubon Parkway West	1101+97.2	1102+03.2		12		8	8
Audubon Parkway West	1102+47.2	1102+53.2	12			8	8
Audubon Parkway West	1104+47.1	1104+53.1	12			8	8
Audubon Parkway West	1106+47.2	1106+53.2	12			8	8
Audubon Parkway West	1108+47.0	1108+53.0	12			8	8
Audubon Parkway West	1108+97.2	1109+03.2	12			8	8
Audubon Parkway West	1109+47.1	1109+53.1	12			8	8
Audubon Parkway West	1110+97.1	1111+03.1	12			8	8
Audubon Parkway West	1111+97.0	1112+03.0	12			8	8
Audubon Parkway West	1112+47.0	1112+53.0	12	12		16	16
Audubon Parkway West	1112+96.8	1113+02.8		12		8	8
Audubon Parkway West	1113+97.3	1114+03.3	12	12		16	16
Audubon Parkway West	1114+47.1	1114+53.1	12			8	8
Audubon Parkway West	1115+47.0	1115+53.0	12	12		16	16
Audubon Parkway West	1117+97.4	1118+03.4	12			8	8
Audubon Parkway West	1118+47.3	1118+53.3	12	12		16	16
Audubon Parkway West	1119+96.9	1120+02.9	12	12		16	16
Audubon Parkway West	1120+47.0	1120+53.0		12		8	8
Audubon Parkway West	1120+97.1	1121+03.1	12	12		16	16
Audubon Parkway West	1121+33.1	1121+39.7		12		9	9
Audubon Parkway West	1121+97.0	1122+03.0		12		8	8

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1122+46.9	1122+52.9		12		8	8
Audubon Parkway West	1122+96.8	1123+02.8	12	12		16	16
Audubon Parkway West	1123+46.9	1123+52.9		12		8	8
Audubon Parkway West	1123+96.8	1124+02.8		12		8	8
Audubon Parkway West	1126+46.6	1126+52.6	12			8	8
Audubon Parkway West	1126+96.7	1127+02.7	12	12		16	16
Audubon Parkway West	1128+46.5	1128+52.5	12	12		16	16
Audubon Parkway West	1129+96.5	1130+02.5	12			8	8
Audubon Parkway West	1132+46.3	1132+52.3	12			8	8
Audubon Parkway West	1135+46.2	1135+52.2		12		8	8
Audubon Parkway West	1136+45.9	1136+51.9	12			8	8
Audubon Parkway West	1136+96.1	1137+02.1	12			8	8
Audubon Parkway West	1137+96.0	1138+02.0	12	12		16	16
Audubon Parkway West	1138+81.8	1138+90.5	12	12		23	23
Audubon Parkway West	1140+45.9	1140+51.9	12	12		16	16
Audubon Parkway West	1140+95.9	1141+01.9	12			8	8
Audubon Parkway West	1141+46.0	1141+52.0	12			8	8
Audubon Parkway West	1141+96.2	1142+02.2	12			8	8
Audubon Parkway West	1142+95.9	1143+01.9	12	12		16	16
Audubon Parkway West	1143+96.2	1144+02.2	12			8	8
Audubon Parkway West	1144+46.0	1144+52.0	12			8	8
Audubon Parkway West	1147+46.0	1147+52.0	12			8	8
Audubon Parkway West	1147+96.1	1148+02.1	12			8	8
Audubon Parkway West	1148+95.9	1149+01.9	12			8	8
Audubon Parkway West	1151+46.0	1151+52.0		12		8	8
Audubon Parkway West	1151+96.1	1152+02.1	12			8	8
Audubon Parkway West	1153+95.9	1154+01.9	12			8	8
Audubon Parkway West	1154+95.7	1155+01.7	12	12		16	16
Audubon Parkway West	1155+45.9	1155+51.9	12	12		16	16
Audubon Parkway West	1156+45.9	1156+51.9	12	12		16	16
Audubon Parkway West	1156+95.9	1157+01.9	12	12		16	16
Audubon Parkway West	1157+45.9	1157+51.9		12		8	8
Audubon Parkway West	1158+45.8	1158+51.8		12		8	8
Audubon Parkway West	1160+46.0	1160+52.0	12			8	8
Audubon Parkway West	1160+95.9	1161+01.9	12			8	8
Audubon Parkway West	1162+96.0	1163+02.0	12			8	8
Audubon Parkway West	1163+46.1	1163+52.1	12	12		16	16
Audubon Parkway West	1164+46.7	1164+52.7	12	12		16	16
Audubon Parkway West	1165+47.2	1165+53.2	12			8	8
Audubon Parkway West	1165+97.4	1166+03.4	12	12		16	16
Audubon Parkway West	1166+48.1	1166+54.1	12	12		16	16
Audubon Parkway West	1167+96.8	1168+02.8	12	12		16	16
Audubon Parkway West	1168+47.7	1168+53.7	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1169+27.0	1169+37.0	12	12		27	27
Audubon Parkway West	1169+97.1	1170+03.1	12	12		16	16
Audubon Parkway West	1170+47.9	1170+53.9	12	12		16	16
Audubon Parkway West	1171+46.0	1171+52.0	12	12		16	16
Audubon Parkway West	1171+96.4	1172+02.4	12	12		16	16
Audubon Parkway West	1172+97.4	1173+03.4	12	12		16	16
Audubon Parkway West	1173+97.3	1174+03.3	12			8	8
Audubon Parkway West	1174+98.3	1175+04.3	12			8	8
Audubon Parkway West	1178+95.3	1179+01.3	12			8	8
Audubon Parkway West	1179+45.2	1179+51.2	12			8	8
Audubon Parkway West	1180+44.8	1180+50.8	12			8	8
Audubon Parkway West	1181+94.1	1182+00.1	12			8	8
Audubon Parkway West	1183+43.6	1183+49.6	12			8	8
Audubon Parkway West	1183+93.3	1183+99.3	12			8	8
Audubon Parkway West	1187+91.6	1187+97.6	12	12		16	16
Audubon Parkway West	1188+41.5	1188+47.5	12	12		16	16
Audubon Parkway West	1188+91.2	1188+97.2		12		8	8
Audubon Parkway West	1189+41.4	1189+47.4	12			8	8
Audubon Parkway West	1189+90.9	1189+96.9	12			8	8
Audubon Parkway West	1190+40.8	1190+46.8	12	12		16	16
Audubon Parkway West	1191+89.9	1191+95.9	12	12		16	16
Audubon Parkway West	1192+20.3	1192+26.9		12		9	9
Audubon Parkway West	1192+70.3	1192+77.1		12		9	9
Audubon Parkway West	1193+39.5	1193+45.5	12	12		16	16
Audubon Parkway West	1193+89.2	1193+95.2	12	12		16	16
Audubon Parkway West	1195+73.1	1195+80.2	12	12		19	19
Audubon Parkway West	1196+87.9	1196+93.9		12		8	8
Audubon Parkway West	1197+37.8	1197+43.8	12	12		16	16
Audubon Parkway West	1197+87.7	1197+93.7	12	12		16	16
Audubon Parkway West	1198+37.5	1198+43.5		12		8	8
Audubon Parkway West	1199+36.8	1199+42.8	12			8	8
Audubon Parkway West	1199+86.6	1199+92.6	12	12		16	16
Audubon Parkway West	1200+36.6	1200+42.6		12		8	8
Audubon Parkway West	1201+85.9	1201+91.9	12	12		16	16
Audubon Parkway West	1202+15.3	1202+22.6	12			10	10
Audubon Parkway West	1202+35.8	1202+41.8	12	12		16	16
Audubon Parkway West	1203+35.3	1203+41.3	12			8	8
Audubon Parkway West	1203+85.2	1203+91.2	12	12		16	16
Audubon Parkway West	1204+34.8	1204+40.8	12	12		16	16
Audubon Parkway West	1204+84.7	1204+90.7	12	12		16	16
Audubon Parkway West	1205+34.4	1205+40.4	12	12		16	16
Audubon Parkway West	1205+84.2	1205+90.2	12			8	8
Audubon Parkway West	1206+34.0	1206+40.0	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1208+33.2	1208+39.2	12	12		16	16
Audubon Parkway West	1208+82.9	1208+88.9	12	12		16	16
Audubon Parkway West	1209+32.7	1209+38.7	12			8	8
Audubon Parkway West	1209+82.4	1209+88.4	12	12		16	16
Audubon Parkway West	1210+82.0	1210+88.0	12	12		16	16
Audubon Parkway West	1211+93.5	1212+00.1		12		9	9
Audubon Parkway West	1212+81.4	1212+87.4		12		8	8
Audubon Parkway West	1213+31.0	1213+37.0	12			8	8
Audubon Parkway West	1213+95.7	1214+03.2		12		10	10
Audubon Parkway West	1214+80.3	1214+86.3	12	12		16	16
Audubon Parkway West	1215+30.2	1215+36.2	12	12		16	16
Audubon Parkway West	1215+42.0	1215+49.4	12	12		20	20
Audubon Parkway West	1215+79.8	1215+85.8	12	12		16	16
Audubon Parkway West	1216+29.7	1216+35.7	12	12		16	16
Audubon Parkway West	1216+54.2	1216+61.1		12		9	9
Audubon Parkway West	1218+28.8	1218+34.8	12			8	8
Audubon Parkway West	1219+28.7	1219+34.7		12		8	8
Audubon Parkway West	1219+78.4	1219+84.4	12			8	8
Audubon Parkway West	1220+28.5	1220+34.5	12			8	8
Audubon Parkway West	1221+28.4	1221+34.4	12			8	8
Audubon Parkway West	1221+40.7	1221+47.4		12		9	9
Audubon Parkway West	1221+78.5	1221+84.5	12	12		16	16
Audubon Parkway West	1222+28.4	1222+34.4		12		8	8
Audubon Parkway West	1222+78.3	1222+84.3	12	12		16	16
Audubon Parkway West	1222+96.6	1223+04.1		12		10	10
Audubon Parkway West	1223+28.5	1223+34.5		12		8	8
Audubon Parkway West	1223+78.3	1223+84.3	12	12		16	16
Audubon Parkway West	1224+28.4	1224+34.4	12	12		16	16
Audubon Parkway West	1224+78.2	1224+84.2	12	12		16	16
Audubon Parkway West	1225+28.2	1225+34.2		12		8	8
Audubon Parkway West	1225+78.2	1225+84.2	12	12		16	16
Audubon Parkway West	1226+78.3	1226+84.3	12			8	8
Audubon Parkway West	1227+28.1	1227+34.1	12	12		16	16
Audubon Parkway West	1227+78.2	1227+84.2	12	12		16	16
Audubon Parkway West	1228+28.2	1228+34.2	12	12		16	16
Audubon Parkway West	1228+78.2	1228+84.2	12	12		16	16
Audubon Parkway West	1231+28.0	1231+34.0		12		8	8
Audubon Parkway West	1231+78.0	1231+84.0		12		8	8
Audubon Parkway West	1232+78.0	1232+84.0	12			8	8
Audubon Parkway West	1233+77.9	1233+83.9		12		8	8
Audubon Parkway West	1234+77.7	1234+83.7	12	12		16	16
Audubon Parkway West	1235+27.6	1235+33.6	12			8	8
Audubon Parkway West	1235+77.7	1235+83.7	12			8	8

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY

LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1236+27.6	1236+33.6	12			8	8
Audubon Parkway West	1236+65.5	1236+72.3		12		9	9
Audubon Parkway West	1236+77.6	1236+83.6	12			8	8
Audubon Parkway West	1237+27.6	1237+33.6	12	12		16	16
Audubon Parkway West	1237+77.5	1237+83.5	12			8	8
Audubon Parkway West	1239+27.4	1239+33.4	12	12		16	16
Audubon Parkway West	1241+77.0	1241+83.0	12			8	8
Audubon Parkway West	1242+27.4	1242+33.4	12			8	8
Audubon Parkway West	1242+77.3	1242+83.3	12			8	8
Audubon Parkway West	1242+96.4	1243+02.4	12	12		16	16
Audubon Parkway West	1243+77.0	1243+83.0	12	12		16	16
Audubon Parkway West	1244+26.9	1244+32.9	12	12		16	16
Audubon Parkway West	1244+77.0	1244+83.0		12		8	8
Audubon Parkway West	1245+26.8	1245+32.8	12	12		16	16
Audubon Parkway West	1246+76.6	1246+82.6	12			8	8
Audubon Parkway West	1247+76.6	1247+82.6	12	12		16	16
Audubon Parkway West	1248+76.5	1248+82.5	12			8	8
Audubon Parkway West	1248+85.1	1248+90.6		12		7	7
Audubon Parkway West	1249+26.7	1249+32.7		12		8	8
Audubon Parkway West	1249+76.6	1249+82.6		12		8	8
Audubon Parkway West	1250+26.4	1250+32.4	12	12		16	16
Audubon Parkway West	1250+76.4	1250+82.4	12			8	8
Audubon Parkway West	1251+26.5	1251+32.5		12		8	8
Audubon Parkway West	1251+76.5	1251+82.5	12	12		16	16
Audubon Parkway West	1252+26.4	1252+32.4		12		8	8
Audubon Parkway West	1252+52.1	1252+56.6		12		6	6
Audubon Parkway West	1252+76.3	1252+82.3	12			8	8
Audubon Parkway West	1253+26.5	1253+32.5	12			8	8
Audubon Parkway West	1253+76.4	1253+82.4	12			8	8
Audubon Parkway West	1254+26.3	1254+32.3	12	12		16	16
Audubon Parkway West	1254+76.2	1254+82.2	12			8	8
Audubon Parkway West	1255+26.2	1255+32.2	12	12		16	16
Audubon Parkway West	1255+76.3	1255+82.3		12		8	8
Audubon Parkway West	1257+43.0	1257+49.9	12	12		18	18
Audubon Parkway West	1257+76.4	1257+82.4	12	12		16	16
Audubon Parkway West	1258+26.4	1258+32.4	12	12		16	16
Audubon Parkway West	1259+26.4	1259+32.4	12			8	8
Audubon Parkway West	1259+76.4	1259+82.4	12	12		16	16
Audubon Parkway West	1260+26.3	1260+32.3		12		8	8
Audubon Parkway West	1260+94.3	1261+01.9	12	12		20	20
Audubon Parkway West	1261+76.2	1261+82.2	12			8	8
Audubon Parkway West	1262+26.0	1262+32.0	12			8	8
Audubon Parkway West	1263+26.0	1263+32.0	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1263+76.2	1263+82.2	12	12		16	16
Audubon Parkway West	1264+76.0	1264+82.0		12		8	8
Audubon Parkway West	1265+01.9	1265+09.2	12	12		19	19
Audubon Parkway West	1265+75.9	1265+81.9	12	12		16	16
Audubon Parkway West	1266+26.0	1266+32.0	12	12		16	16
Audubon Parkway West	1266+76.0	1266+82.0	12	12		16	16
Audubon Parkway West	1266+76.4	1266+82.4	12	12		16	16
Audubon Parkway West	1268+40.6	1268+48.8	12	12		22	22
Audubon Parkway West	1269+88.3	1269+96.3	12	12		21	21
Audubon Parkway West	1271+34.7	1271+40.7	12	12		16	16
Audubon Parkway West	1272+50.3	1272+59.4	12			12	12
Audubon Parkway West	1272+85.0	1272+91.0		12		8	8
Audubon Parkway West	1272+97.6	1273+02.3		12		6	6
Audubon Parkway West	1273+34.7	1273+41.2	12			9	9
Audubon Parkway West	1273+34.7	1273+53.0		12		24	24
Audubon Parkway West	1273+84.8	1273+91.8	12			9	9
Audubon Parkway West	1273+84.8	1274+03.6		12		25	25
Audubon Parkway West	1274+35.1	1274+41.1	12	12		16	16
Audubon Parkway West	1274+49.3	1274+64.9		12		21	21
Audubon Parkway West	1274+85.0	1274+91.0		12		8	8
Audubon Parkway West	1276+35.4	1276+41.4	12	12		16	16
Audubon Parkway West	1276+85.4	1276+91.4	12	12		16	16
Audubon Parkway West	1277+35.7	1277+41.7	12	12		16	16
Audubon Parkway West	1278+85.6	1278+91.6	12	12		16	16
Audubon Parkway West	1279+35.7	1279+41.7	12	12		16	16
Audubon Parkway West	1279+48.5	1279+54.8	12			8	8
Audubon Parkway West	1279+85.8	1279+91.8	12	12		16	16
Audubon Parkway West	1280+36.0	1280+42.0	12	12		16	16
Audubon Parkway West	1280+50.3	1280+66.5		12		22	22
Audubon Parkway West	1282+36.2	1282+42.2	12	12		16	16
Audubon Parkway West	1283+24.7	1283+43.4		12		25	25
Audubon Parkway West	1283+62.6	1283+70.0	12			10	10
Audubon Parkway West	1283+99.5	1284+05.2		12		8	8
Audubon Parkway West	1284+36.6	1284+42.6	12	12		16	16
Audubon Parkway West	1284+86.7	1284+92.7	12	12		16	16
Audubon Parkway West	1285+36.7	1285+42.7	12	12		16	16
Audubon Parkway West	1285+86.7	1285+92.7	12	12		16	16
Audubon Parkway West	1286+37.0	1286+43.0	12	12		16	16
Audubon Parkway West	1286+87.2	1286+93.2	12	12		16	16
Audubon Parkway West	1287+05.3	1287+12.5		12		10	10
Audubon Parkway West	1287+37.2	1287+43.2		12		8	8
Audubon Parkway West	1287+87.2	1287+93.2	12	12		16	16
Audubon Parkway West	1288+87.5	1288+93.5	12	12		16	16

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY

LOCATION			LANE & WIDTH			ITEM 2058	ITEM 2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1289+37.6	1289+43.6	12	12		16	16
Audubon Parkway West	1289+49.9	1289+55.9		12		8	8
Audubon Parkway West	1290+12.7	1290+18.6		12		8	8
Audubon Parkway West	1290+37.7	1290+43.7		12		8	8
Audubon Parkway West	1290+60.5	1290+66.1	12			7	7
Audubon Parkway West	1290+73.8	1290+79.8		12		8	8
Audubon Parkway West	1291+44.1	1291+50.1	12	12		16	16
Audubon Parkway West	1291+94.2	1292+00.2	12	12		16	16
Audubon Parkway West	1292+13.1	1292+34.9	12			29	29
Audubon Parkway West	1292+23.5	1292+29.5		12		8	8
Audubon Parkway West	1292+44.4	1292+50.4	12	12		16	16
Audubon Parkway West	1292+94.2	1293+00.2	12	12		16	16
Audubon Parkway West	1293+24.7	1293+31.6		12		9	9
Audubon Parkway West	1293+56.8	1293+63.5		12		9	9
Audubon Parkway West	1293+93.8	1293+99.8		15.2		10	10
Audubon Parkway West	1294+15.7	1294+23.5		15.4		13	13
Audubon Parkway West	1294+44.7	1294+64.6		15.9		35	35
Audubon Parkway West	1294+64.8	1294+71.8	12			9	9
Audubon Parkway West	1294+93.0	1295+01.0	12			11	11
Audubon Parkway West	1294+93.6	1295+01.0		12		10	10
Audubon Parkway West	1294+93.6	1295+33.9		14.3		64	64
Audubon Parkway West	1295+01.0	1295+33.8	12			44	44
Audubon Parkway West	1295+33.8	1295+33.9		12		0	0
Audubon Parkway West	1295+33.9	1295+65.8	12	12		85	85
Audubon Parkway West	1295+65.8	1295+94.1	12	12		76	76
Audubon Parkway West	1295+94.1	1296+45.0			18.2	103	103
Audubon Parkway West	1296+55.8	1296+69.0			18.2	27	27
Audubon Parkway West	1296+91.7	1297+01.8			11.9	13	13
Audubon Parkway West	1297+09.4	1297+15.4		11.9		8	8
Audubon Parkway West	1297+33.7	1297+39.7		12.0		8	8
Audubon Parkway West	1297+34.0	1297+40.0	12	12		16	16
Audubon Parkway West	1297+59.9	1297+66.8		11.8		9	9
Audubon Parkway West	1297+83.0	1297+88.8		2.7		2	2
Audubon Parkway West	1298+08.3	1298+25.8		15.1		29	29
Audubon Parkway West	1298+68.0	1299+22.3		14.3		86	86
Audubon Parkway West	1299+32.5	1299+43.3	8.0			10	10
Audubon Parkway West	1299+44.3	1299+57.9		8.0		12	12
Audubon Parkway West	1299+66.0	1299+93.0	8.0			24	24
Audubon Parkway West	1299+99.3	1300+28.0		7.7		25	25
Audubon Parkway West	1300+67.7	1300+89.9			15.9	39	39
Audubon Parkway West	1301+16.5	1301+73.5			15.9	101	101
Audubon Parkway West	1301+98.0	1302+24.3	8.0			23	23
Audubon Parkway West	1303+18.3	1303+24.3			16.0	11	11

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
Audubon Parkway West	1304+19.0	1304+25.0			16.0	11	11
Audubon Parkway West	1305+19.8	1305+25.8	8.0			5	5
Audubon Parkway West	1305+70.4	1305+76.4			17.0	11	11
Audubon Parkway West	1306+20.7	1306+26.7			16.3	11	11
Audubon Parkway West	1306+45.6	1306+51.6			16.4	11	11
Audubon Parkway West	1310+64.5	1310+70.5			16.2	11	11
Audubon Parkway West	1311+15.4	1311+21.4			16.0	11	11
Audubon Parkway West	1311+66.6	1311+72.6			16.9	11	11
Audubon Parkway West	1312+17.8	1312+24.9			16.2	13	13
Audubon Parkway West	1312+70.3	1312+76.3	10.7			7	7
Audubon Parkway West	1313+22.3	1313+28.3			15.8	11	11
Audubon Parkway West	1313+74.1	1313+80.1			15.9	11	11
Audubon Parkway West	1314+26.0	1314+32.0			16.0	11	11
Audubon Parkway West	1315+29.2	1315+35.2			16.2	11	11
Audubon Parkway West	1317+24.9	1317+43.5			15.9	33	33
Audubon Parkway West	1318+41.2	1318+47.2			16.4	11	11
Audubon Parkway West	1318+93.4	1318+99.4			16.0	11	11
Audubon Parkway West	1319+45.3	1319+51.3			15.9	11	11
Audubon Parkway West	1319+65.4	1319+90.7			15.9	45	45
SUB TOTAL						**9444**	**9444**
US 60 Ramp A	1+34.2	1+40.2			15.4	10	10
US 60 Ramp A	2+34.1	2+40.1			15.0	10	10
US 60 Ramp A	2+52.1	2+64.7		7.3		10	10
US 60 Ramp A	2+84.8	2+98.0		7.2		11	11
US 60 Ramp A	3+21.5	3+26.7		7.3		4	4
US 60 Ramp A	4+20.0	4+26.4		7.3		5	5
US 60 Ramp A	5+33.8	5+39.8		7.3		5	5
US 60 Ramp A	6+33.5	6+39.5			14.9	10	10
US 60 Ramp A	6+82.4	6+88.4			14.8	10	10
US 60 Ramp A	7+31.5	7+37.5			14.8	10	10
US 60 Ramp A	7+79.8	7+85.8			15.0	10	10
US 60 Ramp A	7+94.2	8+02.1			14.9	13	13
US 60 Ramp A	8+17.1	8+23.5	7.2			5	5
US 60 Ramp A	8+78.1	8+84.1			15.0	10	10
US 60 Ramp A	9+23.9	9+32.9			14.8	15	15
US 60 Ramp A	12+12.2	12+18.2	6.4			4	4
US 60 Ramp A	12+64.8	13+01.5			17.3	71	71
US 60 Ramp A	13+18.6	13+71.3	10.3			60	60
US 60 Ramp A	13+41.3	13+71.3		6		20	20
US 60 Ramp A	14+40.3	14+47.2		5.8		4	4
US 60 Ramp A	15+10.4	15+50.3		10.1		45	45
US 60 Ramp A	15+65.5	15+71.5			9.0	6	6

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
US 60 Ramp A	16+15.5	16+21.5			7.4	5	5
US 60 Ramp A	16+65.6	16+71.6			5.9	4	4
US 60 Ramp A	16+91.5	16+98.0		5.2		4	4
SUB TOTAL						**361**	**361**
US 60 Ramp B	-1+91.3	-1+82.8			23.4	22	22
US 60 Ramp B	-1+55.7	-1+49.7			18.2	12	12
US 60 Ramp B	-1+05.2	-+67.4	16			67	67
US 60 Ramp B	-+91.6	-+67.4		15.4		41	41
US 60 Ramp B	+47.9	+53.9			8.0	5	5
US 60 Ramp B	+97.9	1+03.9			8.1	5	5
US 60 Ramp B	1+64.6	1+72.6	7.4			7	7
US 60 Ramp B	2+21.6	2+26.9	8.1			5	5
US 60 Ramp B	2+73.9	2+81.3	8			7	7
US 60 Ramp B	3+28.9	3+35.1	8			6	6
US 60 Ramp B	3+62.0	3+69.6	8.1			7	7
US 60 Ramp B	3+81.6	3+87.6			7.8	5	5
US 60 Ramp B	3+91.1	3+97.1			8.0	5	5
US 60 Ramp B	4+87.3	4+93.3			7.9	5	5
US 60 Ramp B	5+77.1	5+92.8	7.8			14	14
US 60 Ramp B	6+77.7	6+83.7			7.8	5	5
US 60 Ramp B	7+25.1	7+31.1			8.1	5	5
US 60 Ramp B	7+44.0	7+51.1	7.7			6	6
US 60 Ramp B	7+69.3	7+79.4	7.9			9	9
US 60 Ramp B	8+08.1	8+14.1			7.8	5	5
US 60 Ramp B	8+32.4	8+39.5		7.8		6	6
US 60 Ramp B	8+67.8	8+73.8			15.9	11	11
SUB TOTAL						**260**	**260**
US 60 Ramp C	6+80.4	6+86.4	7.6			5	5
US 60 Ramp C	7+30.2	7+36.2		7.4		5	5
US 60 Ramp C	7+60.8	7+69.3	7.3			7	7
US 60 Ramp C	8+80.2	8+86.2	7.4			5	5
US 60 Ramp C	9+18.1	9+24.2	7.3			5	5
US 60 Ramp C	9+18.1	9+36.2		7.7		15	15
US 60 Ramp C	9+80.2	9+86.2		7.4		5	5
US 60 Ramp C	11+78.6	11+84.6		7.3		5	5
US 60 Ramp C	12+28.1	12+34.1	7.1			5	5
US 60 Ramp C	13+69.5	13+97.2	7.5			23	23
US 60 Ramp C	15+05.5	15+14.6	7.5			8	8
US 60 Ramp C	15+22.7	15+28.7		7.4		5	5
US 60 Ramp C	15+53.0	15+77.0	7.3			19	19
US 60 Ramp C	15+92.8	16+06.3	7.4			11	11

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
US 60 Ramp C	16+21.0	16+27.0		7.3		5	5
US 60 Ramp C	16+34.1	16+39.6			15.2	9	9
US 60 Ramp C	16+53.3	16+60.1	7.4			6	6
US 60 Ramp C	16+70.0	16+76.0			15	10	10
US 60 Ramp C	16+83.5	17+37.8	7.7			46	46
US 60 Ramp C	16+99.1	17+37.8		7.4		32	32
US 60 Ramp C	17+63.2	17+86.1			14.8	38	38
US 60 Ramp C	18+66.9	18+72.9			21.1	14	14
US 60 Ramp C	19+91.7	19+97.5			12.4	8	8
US 60 Ramp C	20+06.8	20+19.5			11.9	17	17
US 60 Ramp C	20+40.3	20+46.9			17.6	13	13
US 60 Ramp C	20+69.5	21+63.8			16.0	168	168
US 60 Ramp C	23+08.3	23+14.3			12	8	8
US 60 Ramp C	23+58.5	23+64.5			11.2	7	7
US 60 Ramp C	23+77.9	23+87.6			10.6	11	11
US 60 Ramp C	24+08.3	24+14.3			10.2	7	7
US 60 Ramp C	24+53.4	24+64.4			9.3	11	11
US 60 Ramp C	25+08.2	25+14.2			8	5	5
US 60 Ramp C	25+58.2	25+64.2			7.4	5	5
US 60 Ramp C	26+08.3	26+14.3			6.4	4	4
US 60 Ramp C	26+58.3	26+64.3			5.3	4	4
US 60 Ramp C	27+08.1	27+14.1			4.3	3	3
US 60 Ramp C	27+77.0	27+92.0			2.8	5	5
SUB TOTAL						**559**	**559**
US 60 Ramp D	-+00.3	+22.8			0.8	2	2
US 60 Ramp D	1+06.0	1+12.0			8.1	5	5
US 60 Ramp D	1+43.0	1+68.9			11.7	34	34
US 60 Ramp D	1+90.3	1+98.3			13.4	12	12
US 60 Ramp D	2+43.7	2+61.6			14.7	29	29
US 60 Ramp D	3+05.8	3+11.8			23.9	16	16
US 60 Ramp D	3+55.8	3+61.8			14.9	10	10
US 60 Ramp D	4+57.8	4+63.8	7.7			5	5
US 60 Ramp D	5+80.8	5+86.8			14.9	10	10
US 60 Ramp D	6+30.8	6+36.8	7.6			5	5
US 60 Ramp D	6+80.8	6+86.8			15	10	10
US 60 Ramp D	7+30.9	7+36.9			15	10	10
US 60 Ramp D	7+80.2	7+86.2			15	10	10
US 60 Ramp D	9+76.3	9+82.3			15	10	10
US 60 Ramp D	10+55.7	10+63.5			14.9	13	13
US 60 Ramp D	11+23.0	11+29.0			14.9	10	10
US 60 Ramp D	11+71.9	11+77.9			14.9	10	10
US 60 Ramp D	12+20.8	12+26.8			14.7	10	10

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CONCRETE PAVEMENT REPAIR SUMMARY							
LOCATION			LANE & WIDTH			ITEM	
						2058	2073
ROADWAY	BEGIN	END	inside	outside	other	REMOVE PCC PAVEMENT	JPC PAVEMENT 9"
	(STA)		(feet)			(SQ YD)	
US 60 Ramp D	12+69.8	12+75.8			15.3	10	10
US 60 Ramp D	13+18.8	13+24.8			14.9	10	10
US 60 Ramp D	14+65.7	14+71.7			14.9	10	10
US 60 Ramp D	15+14.4	15+20.4			14.7	10	10
US 60 Ramp D	15+56.2	15+69.0			14.8	21	21
US 60 Ramp D	16+12.2	16+18.2			14.9	10	10
US 60 Ramp D	17+10.2	17+16.2		7.3		5	5
US 60 Ramp D	17+59.0	17+65.0			14.4	10	10
US 60 Ramp D	18+07.5	18+13.5			13.7	9	9
US 60 Ramp D	18+56.5	18+62.5			13.7	9	9
SUB TOTAL						**315**	**315**
PROJECT TOTAL						**22194**	**22194**

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

ASPHALT PAVEMENT SUMMARY

PAVEMENT AREAS

ITEM	AUDUBON PARKWAY EAST	AUDUBON PARKWAY WEST	KY 1554 RAMP A	KY 1554 RAMP B	KY 1554 RAMP C	KY 1554 RAMP D	KY 1554	US 60 RAMP A	US 60 RAMP B	US 60 RAMP C	US 60 RAMP D	TOTAL
	SQUARE YARDS											
1.5" CL2 ASPH SURF 0.50D PG64-22			3,092	4,230	5,404	3,019	4,116					**19,861**
1.5" CL2 ASPH SURF 0.50D PG64-22 (SHLDR)	59,100	58,552	2,210	2,298	2,711	2,013	1,584	1,839	1,600	2,800	2,702	**137,409**
1.5" ASPHALT PAVEMENT MILLING & TEXTURING	59,100	58,552	5,302	6,528	8,115	5,032	5,700	1,839	1,600	2,800	2,702	**157,270**

PAVEMENT QUANTITIES

ITEM CODE	ITEM	UNIT	AUDUBON PARKWAY EAST	AUDUBON PARKWAY WEST	KY 1554 RAMP A	KY 1554 RAMP B	KY 1554 RAMP C	KY 1554 RAMP D	KY 1554	US 60 RAMP A	US 60 RAMP B	US 60 RAMP C	US 60 RAMP D	TOTAL
78	CRUSHED AGGREGATE SIZE NO. 2 2.)	TON												**300**
309	1.5" CL2 ASPH SURF 0.50D PG64-22	TON			255	349	446	249	340					**1,639**
309	1.5" CL2 ASPH SURF 0.50D PG64-22 (SHLDR)	TON	4,876	4,831	182	190	224	166	131	152	132	231	223	**11,338**
2676	MOBILIZATION FOR MILLING & TEXTURING	LS												**1**
2677	1.5" ASPHALT PAVEMENT MILLING & TEXTURING 1.)	TON	4,876	4,831	437	539	670	415	471	152	132	231	223	**12,977**

NOTES: 1.) After using all millings required for repairing and adjusting the elevations of the shoulders on the project and any other uses the Engineer deems necessary, the Contractor is to deliver 2,000 tons of millings to the Daviess County Maintenance Facility. All remaining millings will become the property of the Contractor and are to be removed from the project as no additional cost to the Department of Highways.

2.) Estimated quantity for subgrade stabilization - Use only if instructed to do so by the Engineer.

3.) Pavement quantities estimated at 110 pounds per square yard per inch of depth.

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

DIAMOND GRINDING SUMMARY					
DESCRIPTION					ITEM 2060
ROADWAY	LOCATION				PCC PAVEMENT DIAMOND GRINDING
	(STATION)				(SQ YD)
Audubon Parkway West	BEGIN	912+12.00	TS	915+30.28	849
Audubon Parkway West	TS	915+30.28	SC	919+30.28	1063
Audubon Parkway West	SC	919+30.28	CS	951+69.17	8558
Audubon Parkway West	CS	951+69.17	ST	955+69.17	1062
Audubon Parkway West	ST	955+69.17	PC	1171+78.39	57625
Audubon Parkway West	PC	1171+78.39	PT	1218+75.12	12557
Audubon Parkway West	PT	1218+75.12	BEGIN BRIDGE		13263
Audubon Parkway West	END BRIDGE		PC	1271+36.68	397
Audubon Parkway West	PC	1271+36.68	PT	1292+81.79	5730
Audubon Parkway West	PT	1292+81.79	TS	1298+32.15	1627
Audubon Parkway West	TS	1298+32.15	SC	1304+63.15	1115
Audubon Parkway West	SC	1304+63.15	BEGIN BRIDGE		458
Audubon Parkway West	END BRIDGE		PCC	1309+55.26	70
Audubon Parkway West	PCC	1309+55.26	PCC	1311+71.51	374
Audubon Parkway West	PCC	1311+71.51	END	1320+06.95	1404
TOTAL					**106152**
Audubon Parkway East	BEGIN	912+12.00	TS	915+30.28	849
Audubon Parkway East	TS	915+30.28	SC	919+30.28	1071
Audubon Parkway East	SC	919+30.28	CS	951+69.17	8716
Audubon Parkway East	CS	951+69.17	ST	955+69.17	1072
Audubon Parkway East	ST	955+69.17	PC	1171+78.39	57625
Audubon Parkway East	PC	1171+78.39	PT	1218+75.12	12492
Audubon Parkway East	PT	1218+75.12	BEGIN BRIDGE		13237
Audubon Parkway East	END BRIDGE		PC	1271+36.68	424
Audubon Parkway East	PC	1271+36.68	PT	1292+81.79	5728
Audubon Parkway East	PT	1292+81.79	TS	1298+32.15	2194
Audubon Parkway East	TS	1298+32.15	SC	1304+63.15	1415
Audubon Parkway East	SC	1304+63.15	BEGIN BRIDGE		475
Audubon Parkway East	END BRIDGE		PCC	1309+55.26	76
Audubon Parkway East	PCC	1309+55.26	PCC	1311+71.51	395
Audubon Parkway East	PCC	1311+71.51	END	1320+06.95	1566
TOTAL					**107335**
US 60 Ramp A	PC	0+00.00	PT	0+83.45	146
US 60 Ramp A	PT	0+83.45	PC	6+01.24	921
US 60 Ramp A	PC	6+01.24	PT	11+13.40	863
US 60 Ramp A	PT	11+13.40	END	17+50.00	664
TOTAL					**2594**

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

DIAMOND GRINDING SUMMARY					
DESCRIPTION					ITEM 2060
ROADWAY	LOCATION				PCC PAVEMENT DIAMOND GRINDING
	(STATION)				(SQ YD)
US 60 Ramp B	BEGIN	-4+00.00	PC	1+50.00	918
US 60 Ramp B	PC	1+50.00	PCC	3+50.00	359
US 60 Ramp B	PCC	3+50.00	PCC	5+66.35	393
US 60 Ramp B	PCC	5+66.35	PT	9+57.24	709
US 60 Ramp B	PT	9+57.24	END		4
TOTAL					**2383**
US 60 Ramp C	BEGIN	4+59.25	PC	11+04.45	956
US 60 Ramp C	PC	11+04.45	PT	18+67.63	1252
US 60 Ramp C	PT	18+67.63	END	28+12.29	982
TOTAL					**3190**
US 60 Ramp D	BEGIN	-0+50.00	PC	7+51.63	1061
US 60 Ramp D	PC	7+51.63	PT	20+04.76	2075
TOTAL					**3136**
PROJECT TOTAL					**224790**

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

SAW AND SEAL ASPHALT JOINT SUMMARY		
DESCRIPTION		ITEM 23845EC
ROADWAY	LOCATION	SAW AND SEAL ASPHALT JOINT
	(STATION)	(LF)
Audubon Parkway West	997+59	10.3
Audubon Parkway West	998+03	13.1
Audubon Parkway West	998+53	14.0
Audubon Parkway West	999+03	15.5
Audubon Parkway West	999+27	11.6
Audubon Parkway West	999+53	17.0
Audubon Parkway West	1000+03	18.0
Audubon Parkway West	1000+53	19.1
Audubon Parkway West	1000+81	13.4
Audubon Parkway West	1000+96	19.4
Audubon Parkway West	1001+03	19.1
Audubon Parkway West	1001+35	14.4
Audubon Parkway West	1001+53	20.0
Audubon Parkway West	1002+03	20.4
Audubon Parkway West	1002+54	18.8
Audubon Parkway West	1003+03	20.6
Audubon Parkway West	1003+53	20.2
Audubon Parkway West	1004+03	21.7
Audubon Parkway West	1004+53	22.4
Audubon Parkway West	1005+03	16.9
Audubon Parkway West	1005+53	22.8
Audubon Parkway West	1005+92	17.3
Audubon Parkway West	1006+53	24.6
Audubon Parkway West	1007+03	25.1
Audubon Parkway West	1007+52	30.0
Audubon Parkway West	1033+35	21.6
Audubon Parkway West	1033+72	15.9
Audubon Parkway West	1034+01	21.9
Audubon Parkway West	1034+19	16.6
Audubon Parkway West	1034+51	28.0
Audubon Parkway West	1034+68	31.2
Audubon Parkway West	1034+88	15.3
Audubon Parkway West	1035+02	18.5
Audubon Parkway West	1035+11	21.8
Audubon Parkway West	1035+32	28.2
Audubon Parkway West	1035+42	22.0
Audubon Parkway West	1035+83	19.3
Audubon Parkway West	1036+14	22.8
Audubon Parkway West	1036+56	14.2
Audubon Parkway West	1036+68	18.8
Audubon Parkway West	1036+82	12.4
Audubon Parkway West	1037+01	16.4
Audubon Parkway West	1037+51	12.7
TOTAL		**823**

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

SAW AND SEAL ASPHALT JOINT SUMMARY		
DESCRIPTION		ITEM 23845EC
ROADWAY	LOCATION	SAW AND SEAL ASPHALT JOINT
	(STATION)	(LF)
Audubon Parkway East	1001+53	3.7
Audubon Parkway East	1001+65	10.1
Audubon Parkway East	1001+71	4.3
Audubon Parkway East	1001+88	9.8
Audubon Parkway East	1002+03	10.0
Audubon Parkway East	1002+52	15.8
Audubon Parkway East	1003+02	19.9
Audubon Parkway East	1003+32	15.4
Audubon Parkway East	1003+61	17.8
Audubon Parkway East	1003+92	15.0
Audubon Parkway East	1004+13	21.4
Audubon Parkway East	1004+50	14.4
Audubon Parkway East	1005+03	32.9
Audubon Parkway East	1005+49	21.0
Audubon Parkway East	1006+31	22.1
Audubon Parkway East	1020+26	26.0
Audubon Parkway East	1020+49	18.9
Audubon Parkway East	1020+52	25.1
Audubon Parkway East	1021+02	24.8
Audubon Parkway East	1021+52	24.2
Audubon Parkway East	1023+02	23.0
Audubon Parkway East	1023+51	22.3
Audubon Parkway East	1024+02	16.6
Audubon Parkway East	1024+52	15.7
Audubon Parkway East	1025+01	15.2
Audubon Parkway East	1025+51	20.8
Audubon Parkway East	1026+02	12.7
Audubon Parkway East	1026+51	19.8
Audubon Parkway East	1027+02	12.1
Audubon Parkway East	1027+39	11.6
Audubon Parkway East	1027+51	11.3
Audubon Parkway East	1028+01	10.3
Audubon Parkway East	1028+51	9.7
Audubon Parkway East	1029+01	9.8
Audubon Parkway East	1029+33	10.4
Audubon Parkway East	1029+51	9.8
Audubon Parkway East	1030+01	9.8
Audubon Parkway East	1030+49	9.5
Audubon Parkway East	1030+81	9.7
TOTAL		**613**

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

SAW AND SEAL ASPHALT JOINT SUMMARY		
DESCRIPTION		**ITEM 23845EC**
ROADWAY	**LOCATION**	**SAW AND SEAL ASPHALT JOINT**
	(STATION)	(LF)
KY 1554 Ramp A	0+28	24.7
KY 1554 Ramp A	0+88	19.2
KY 1554 Ramp A	1+57	25.3
KY 1554 Ramp A	2+24	19.6
KY 1554 Ramp A	2+64	15.4
KY 1554 Ramp A	3+16	19.6
KY 1554 Ramp A	3+66	17.9
KY 1554 Ramp A	3+81	24.3
KY 1554 Ramp A	4+19	19.4
KY 1554 Ramp A	4+97	25.3
KY 1554 Ramp A	5+30	19.1
KY 1554 Ramp A	5+81	19.1
KY 1554 Ramp A	6+71	25.2
KY 1554 Ramp A	7+18	14.7
KY 1554 Ramp A	7+46	20.7
KY 1554 Ramp A	8+01	19.3
KY 1554 Ramp A	8+23	19.6
KY 1554 Ramp A	8+63	19.9
KY 1554 Ramp A	9+53	19.9
KY 1554 Ramp A	9+82	21.3
KY 1554 Ramp A	10+62	21.4
KY 1554 Ramp A	11+06	20.8
KY 1554 Ramp A	11+36	20.9
KY 1554 Ramp A	12+16	15.0
KY 1554 Ramp A	12+84	21.0
KY 1554 Ramp A	13+31	20.6
KY 1554 Ramp A	13+77	15.4
TOTAL		**545**

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

SAW AND SEAL ASPHALT JOINT SUMMARY		
DESCRIPTION		**ITEM 23845EC**
ROADWAY	**LOCATION**	**SAW AND SEAL ASPHALT JOINT**
	(STATION)	(LF)
KY 1554 Ramp B	0+93	34.3
KY 1554 Ramp B	1+02	18.1
KY 1554 Ramp B	1+26	21.6
KY 1554 Ramp B	1+46	14.9
KY 1554 Ramp B	1+80	14.4
KY 1554 Ramp B	1+88	14.7
KY 1554 Ramp B	1+97	14.9
KY 1554 Ramp B	2+17	14.4
KY 1554 Ramp B	2+57	15.3
KY 1554 Ramp B	2+58	15.5
KY 1554 Ramp B	2+70	15.8
KY 1554 Ramp B	2+95	16.4
KY 1554 Ramp B	3+00	15.9
KY 1554 Ramp B	3+16	17.7
KY 1554 Ramp B	3+33	15.4
KY 1554 Ramp B	3+38	11.7
KY 1554 Ramp B	3+66	16.4
KY 1554 Ramp B	3+75	17.0
KY 1554 Ramp B	3+79	17.0
KY 1554 Ramp B	3+98	21.8
KY 1554 Ramp B	4+17	19.6
KY 1554 Ramp B	4+41	25.2
KY 1554 Ramp B	4+89	15.3
KY 1554 Ramp B	5+25	19.2
KY 1554 Ramp B	6+09	16.4
KY 1554 Ramp B	6+40	24.7
KY 1554 Ramp B	6+93	24.3
KY 1554 Ramp B	7+11	18.9
KY 1554 Ramp B	7+41	24.9
KY 1554 Ramp B	7+77	24.7
KY 1554 Ramp B	8+12	22.9
KY 1554 Ramp B	8+35	18.7
KY 1554 Ramp B	8+63	25.5
KY 1554 Ramp B	8+94	25.7
KY 1554 Ramp B	9+52	19.9
KY 1554 Ramp B	9+94	19.7
KY 1554 Ramp B	10+33	18.3
KY 1554 Ramp B	10+56	15.3
KY 1554 Ramp B	10+82	22.2
KY 1554 Ramp B	11+23	20.4
KY 1554 Ramp B	11+40	27.9
KY 1554 Ramp B	11+75	13.6
KY 1554 Ramp B	11+94	14.7
KY 1554 Ramp B	12+58	20.3
TOTAL		**842**

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

SAW AND SEAL ASPHALT JOINT SUMMARY		
DESCRIPTION		**ITEM 23845EC**
ROADWAY	**LOCATION**	**SAW AND SEAL ASPHALT JOINT**
	(STATION)	(LF)
KY 1554 Ramp C	0+21	13.1
KY 1554 Ramp C	0+46	22.9
KY 1554 Ramp C	0+88	21.7
KY 1554 Ramp C	1+06	17.9
KY 1554 Ramp C	1+07	23.1
KY 1554 Ramp C	1+18	22.9
KY 1554 Ramp C	1+19	17.9
KY 1554 Ramp C	1+32	17.9
KY 1554 Ramp C	1+48	16.7
KY 1554 Ramp C	1+55	18.1
KY 1554 Ramp C	1+68	18.3
KY 1554 Ramp C	1+84	48.2
KY 1554 Ramp C	2+16	36.3
KY 1554 Ramp C	2+58	39.3
KY 1554 Ramp C	2+89	34.4
KY 1554 Ramp C	3+15	43.4
KY 1554 Ramp C	3+42	35.5
KY 1554 Ramp C	3+79	37.6
KY 1554 Ramp C	4+01	33.2
KY 1554 Ramp C	4+27	32.3
KY 1554 Ramp C	4+54	27.7
KY 1554 Ramp C	5+08	29.7
KY 1554 Ramp C	5+68	31.0
KY 1554 Ramp C	6+13	25.4
KY 1554 Ramp C	6+69	19.6
KY 1554 Ramp C	7+10	18.0
KY 1554 Ramp C	7+47	15.9
KY 1554 Ramp C	8+11	15.2
KY 1554 Ramp C	8+56	19.4
KY 1554 Ramp C	9+27	24.0
KY 1554 Ramp C	10+15	21.2
KY 1554 Ramp C	11+12	24.8
KY 1554 Ramp C	11+54	15.6
KY 1554 Ramp C	11+98	19.2
KY 1554 Ramp C	12+69	24.0
KY 1554 Ramp C	13+07	34.7
KY 1554 Ramp C	13+74	28.2
KY 1554 Ramp C	14+26	26.4
KY 1554 Ramp C	14+75	26.9
KY 1554 Ramp C	15+26	25.8
KY 1554 Ramp C	15+34	25.7
KY 1554 Ramp C	15+75	26.0
TOTAL		**1075**

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

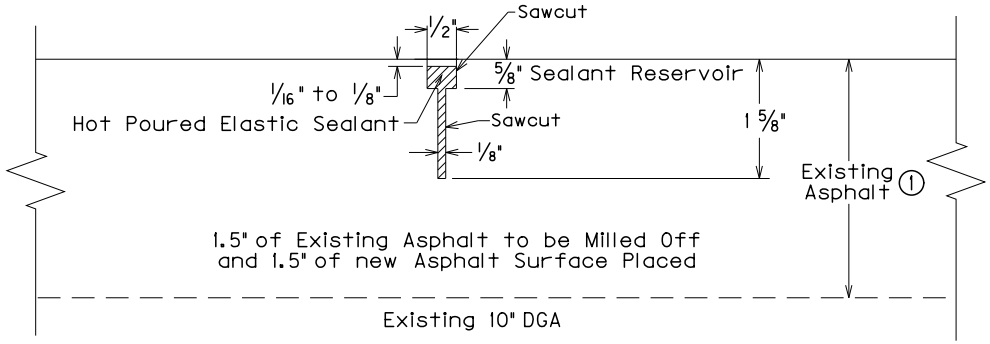
SAW AND SEAL ASPHALT JOINT SUMMARY		
DESCRIPTION		ITEM 23845EC
ROADWAY	LOCATION	SAW AND SEAL ASPHALT JOINT
	(STATION)	(LF)
KY 1554 Ramp D	0+12	15.6
KY 1554 Ramp D	0+27	16.4
KY 1554 Ramp D	0+51	25.1
KY 1554 Ramp D	0+81	20.4
KY 1554 Ramp D	1+07	26.8
KY 1554 Ramp D	1+39	26.1
KY 1554 Ramp D	1+79	20.0
KY 1554 Ramp D	2+24	15.6
KY 1554 Ramp D	2+37	15.4
KY 1554 Ramp D	2+60	19.6
KY 1554 Ramp D	2+82	19.5
KY 1554 Ramp D	3+09	25.4
KY 1554 Ramp D	3+60	18.5
KY 1554 Ramp D	4+16	18.3
KY 1554 Ramp D	4+53	26.3
KY 1554 Ramp D	4+78	15.7
KY 1554 Ramp D	5+37	24.7
KY 1554 Ramp D	5+76	25.1
KY 1554 Ramp D	6+59	24.7
KY 1554 Ramp D	7+11	19.3
KY 1554 Ramp D	7+38	24.0
KY 1554 Ramp D	7+79	20.0
KY 1554 Ramp D	7+83	20.1
KY 1554 Ramp D	8+58	25.0
KY 1554 Ramp D	8+83	22.3
KY 1554 Ramp D	9+14	29.2
KY 1554 Ramp D	9+47	24.9
KY 1554 Ramp D	9+85	30.8
KY 1554 Ramp D	10+14	26.5
KY 1554 Ramp D	10+38	31.7
KY 1554 Ramp D	10+69	28.8
KY 1554 Ramp D	10+86	28.9
KY 1554 Ramp D	11+42	28.9
TOTAL		**760**

PROJECT TOTAL **4658**

NOTE: See "Saw & Seal Asphalt Joint" detail sheet for requirements.

SAW AND SEAL TRANSVERSE JOINTS IN ASPHALT PAVEMENT AT EXISTING TRANSVERSE CRACKS

APPLIES TO RAMPS AT KY 1554 INTERCHANGE ONLY



(1) 6.5 Inches +/- Driving Lanes and Gore Areas
2 Inches +/- Ramp Shoulders
(Depths from Original 1983 Construction Plans)

The "Saw and Seal Asphalt Joints" are to be located at existing transverse cracks in the asphalt ramp pavement in the KY 1554 interchange. Prior to milling the existing asphalt pavement, mark all transverse cracks in the asphalt pavement so they can be referenced after placement of the new asphalt overlay.

After the new asphalt overlay has been placed and within seven days after initial cooling, saw the joint, clean it of debris or mud, and seal it. Saw the joint in the asphalt directly above the referenced existing crack. Saw the joint the full width of the lanes and shoulders. Do not route the joint. Saw either wet or dry, however, clean the cut joint thoroughly of debris or mud and allow it to dry prior to applying the sealing material. Clean the dry sawed joints with compressed air. Clean the wet sawed joints with a water jet and blow with compressed air to provide a clean, dry surface prior to sealing. If a dry clean joint (free of debris or mud) cannot be obtained by the above methods, the Engineer may require sand blasting followed by cleaning with blown compressed air at the Contractor's expense. Seal the joint before traffic can knead or damage the joint. Do not install sealant if the ambient temperature is less than 40° F. Do not allow traffic to cross the joints until they are "tack free".

The Department will make payment for this work as Item No. 23845EC "SAW & SEAL ASPHALT JOINT". Estimated quantities are based on the "Saw and Seal Asphalt Joint Summary" included in the proposal which are based on a field survey of the existing transverse cracks. The Engineer may require additional joints if existing traverse cracks are visible at other locations after milling the pavement. The Engineer may eliminate all or part of a propsed joint, including shoulders, if he deems it would be determinal to the new asphalt pavement. Use hot poured asphalt elastic sealant for sealing the "Saw and Seal Asphalt Joints" per subsections 501.03.18 and 807.03.01 of the current KYTC Standard Specifications.

AUDUBON PARKWAY (AU 9000) PAVEMENT REHABILITATION
DAVIESS COUNTY ITEM NO. 2-2059.00

GUARDRAIL SUMMARY

LOCATION			ITEM														
			21802EN	2352	2360	2363	2365	2367	2373	23394EC	2369	2381	2387	2391	1982	1983	
			(1) GUARDRAIL STEEL W BEAM S FACE (7 FT POST)	GUARDRAIL STEEL W BEAM-D FACE	GUARDRAIL TERMINAL SECTION NO 1	GUARDRAIL CONNECTOR TO BRIDGE END TYPE A	CRASH CUSHION TYPE IX-A	GUARDRAIL END TREATMENT TYPE 1	GUARDRAIL END TREATMENT TYPE 3	(5) CRASH CUSHION TYPE VI Class C TL3-1	GUARDRAIL END TREATMENT TYPE 2A	(2) REMOVE GUARDRAIL	GUARDRAIL CONNECTOR TO BRIDGE END TYPE A-1	GUARDRAIL END TREATMENT TYPE 4A	(4) DELINEATOR FOR GUARDRAIL-WHITE	(4) DELINEATOR FOR GUARDRAIL-YELLOW	
(ROADWAY)	BEGIN	END	(LF)		(EA)							(LF)	(EA)				
AUDUBON PARKWAY																	
LEFT OUTSIDE	912+40	924+50	1212.5			1						1210.0			24		(3)
	963+18	968+43	525.0								1	525.0			10		(3)
	976+95	985+45	850.0								1	850.0			17		(3)
	1026+65	1028+65	200.0								1	200.0			4		(3)
	1038+96	1084+23	4525.0								1	4527.0			90		(3)
	1178+14	1180+15	200.0								1	201.0			4		(3)
	1195+46	1197+46	200.0								1	200.0			4		(3)
	1215+25	1217+25	200.0								1	200.0			4		(3)
	1229+08	1231+23	212.5								1	215.0			4		(3)
	1261+21	1268+49	725.0								1	728.0	1		14		
	1269+96	1280+99	1100.0			1						1103.0			22		(3)
(Ends Rt US 60 Ramp D)	1296+98	9+59	1025.0					1			1	1079.0			22		
	1301+01	1307+15	612.5								1	614.0	1		12		
	1309+33	1315+39	600.0			1						606.0			12		(3)
LEFT INSIDE	913+07	916+60		350.0						1		353.0				7	
	1238+70	1240+71	200.0								1	201.0				4	(3)
	1269+89	1272+22	100.0	137.5		1	1					233.0				4	
	1294+67	1296+69	200.0								1	202.0				4	(3)
	1309+32	1311+93	100.0	137.5		1	1					261.0				5	
RIGHT OUTSIDE	912+41	924+30	1187.5								1	1189.0	1		23		
	962+81	967+43	462.5								1	462.0			9		(3)
	978+02	986+53	850.0								1	851.0			17		(3)
	1037+02	1081+01	4400.0								1	4399.0			87		(3)
	1176+64	1178+67	200.0								1	203.0			4		(3)
	1193+87	1195+90	200.0								1	203.0			4		(3)
	1213+63	1215+65	200.0								1	202.0			4		(3)
	1226+24	1228+25	200.0								1	201.0			4		(3)
	1237+30	1239+32	200.0								1	202.0			4		(3)
	1260+54	1268+31	775.0			1						777.0			15		
	1269+78	1280+79	1100.0									1101.0	1		22		
(Ends Rt US 60 Ramp D)	1293+06	10+17	1025.0								1	1025.0			21		(3)
	1300+41	1307+17	675.0			1						676.0			13		(3)
	1309+30	1320+60	1125.0								1	1130.0	1		22		
RIGHT INSIDE																	
	1237+55	1239+19	162.5								1	164.0				3	(3)
	1266+04	1268+38	100.0	137.5		1	1					234.0				4	
	1293+29	1295+30	200.0								1	201.0				4	(3)
	1304+58	1307+15	100.0	137.5		1	1					257.0				5	

AUDUBON PARKWAY (AU 9000) PAVEMENT REHABILITATION
DAVIESS COUNTY ITEM NO. 2-2059.00

GUARDRAIL SUMMARY

LOCATION			ITEM														
			21802EN	2352	2360	2363	2365	2367	2373	23394EC	2369	2381	2387	2391	1982	1983	
			(1) GUARDRAIL STEEL W BEAM S FACE (7 FT POST)	GUARDRAIL STEEL W BEAM-D FACE	GUARDRAIL TERMINAL SECTION NO 1	GUARDRAIL CONNECTOR TO BRIDGE END TYPE A	CRASH CUSHION TYPE IX-A	GUARDRAIL END TREATMENT TYPE 1	GUARDRAIL END TREATMENT TYPE 3	(5) CRASH CUSHION TYPE VI Class C TL3-1	GUARDRAIL END TREATMENT TYPE 2A	(2) REMOVE GUARDRAIL	GUARDRAIL CONNECTOR TO BRIDGE END TYPE A-1	GUARDRAIL END TREATMENT TYPE 4A	(4) DELINEATOR FOR GUARDRAIL-WHITE	(4) DELINEATOR FOR GUARDRAIL-YELLOW	
(ROADWAY)	BEGIN	END	(LF)		(EA)							(LF)	(EA)				
US 60																	
RIGHT	113+10	115+10	200.0								1	200.0			4		(3)
US 60 RAMP D																	
LEFT	10+02	16+47	650.0								1	645.0				12	
KY 1554																	
RIGHT	11+65	18+92	725.0		1	1						727.0			14		
RIGHT (Ends Lt Ramp D)	21+14	04+66	975.0			1			1			973.0			7	12	
LEFT (End Rt Ramp A)	13+02	08+44	900.0					1				949.0			16	3	
LEFT (End Rt Ramp C)	12+09	05+98	787.5			1					1	787.0			5	11	
LEFT	27+68	29+07	100.0									139.0		1	3		
KY 1554 RAMP A																	
LEFT (Ends Lt Ramp B)	08+45	08+43	900.0					1			1	944.0				18	
KY 1554 RAMP B																	
RIGHT (End Lt KY 1554)	08+42	18+86	1100.0			1					1	1102.0			15	7	
KY 1554 RAMP C																	
RIGHT (Ends Lt KY 1554)	06+00	27+20	800.0								1	797.0			16		
KY 1554 RAMP D																	
RIGHT (Ends Rt KY 1544)	04+83	29+08	1000.0						1			1030.0		1	20		
PROJECT TOTALS			**34087.5**	**900**	**1**	**13**	**4**	**3**	**2**	**1**	**32**	**35278**	**5**	**2**	**592**	**103**	

NOTES:

1.) Contrary to the standard drawing, guardrail posts shall be 7 feet in length.

2.) Salvage existing material as per Section 719.03.07, except that the Contractor shall deliver existing salvaged guardrail system materials to the Guardrail and Sign Center at 1224 Wilkinson Blvd. in Frankfort, Kentucky. Contact the Lot Supervisor at (502) 564-8187 to schedule delivery of the material. Deliver the material between the hours of 8:00 AM and 3:30 PM, eastern time, Monday through Friday. The "Guardrail Delivery Verification Sheet" shown on the following page of this proposal must be completed at the job site and provided to the Guardrail and Sign Center representative when the slavaged material is delivered.

3.) Existing Type 1 end treatment to remain. Stationing is at the first post of the end treatment where the normal guardrail begins.

4.) Estimated at 50' spacing.

5.) For guardrail installation in median at east end of the Green River Bridge.

Guardrail Delivery Verification Sheet

CONTRACT ID _____

PROJECT NUMBER _____

GUARDRAIL, END TREATMENT, TERMINAL SECTION, OR POST TYPE	UNIT	FIELD VERIFIED AMOUNT	DELIVERED AMOUNT
GUARDRAIL-STEEL W BEAM	LF		
TEMPORARY GUARDRAIL	LF		
GUARDRAIL TERMINAL SECTION	EACH		
CRASH CUSHION TYPE IX-A	EACH		
GUARDRAIL END TREATMENT TYPE 1	EACH		
GUARDRAIL END TREATMENT TYPE 2A	EACH		
GUARDRAIL END TREATMENT TYPE 3	EACH		
GUARDRAIL END TREATMENT TYPE 4A	EACH		
GUARDRAIL END TREATMENT TYPE 7	EACH		
GUARDRAIL CONNECTOR TO BRIDGE END	EACH		
GUARDRAIL CONNECTOR TO CONC MED BARR	EACH		
GUARDRAIL CONNECT-SHLD BRIDGE PIER	EACH		
STEEL GUARDRAIL POST	EACH		
STEEL BLOCKOUTS	EACH		

Removed guardrail, end treatments, terminal sections, steel blockouts and posts shall be delivered to the Guardrail and Sign Center on Wilkinson Blvd in Frankfort, KY and shall be neatly stacked in accordance with section 719.03.07 of the standard specifications. Contractor, Engineer, and Bailey Bridge Yard representative must all sign off on this sheet before payment may be made.

	PRINTED NAME	SIGNATURE	DATE
Resident Engineer (or representative)			
Contractor (or Representative)			
Central Sign/Guardrail Center Representative			

AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

CURB & FLUME SUMMARY								
LOCATION				ITEM				
				1890	1691	2484	20192ED	20195ED
ROADWAY	BEGIN	END	OFFSET	ISLAND HEADER CURB TYPE I	FLUME INLET TYPE 2	CHANNEL LINING CLASS III	REMOVE ASPHALT WEDGE CURB	REMOVE FLUME INLET
	(STA)			(LF)	(EACH)	(TON)	(LF)	(EACH)
Audubon Parkway	912+73	922+79	LT	1006			1006	
Audubon Parkway	1261+22	1268+00	LT	678	1	20	678	1
Audubon Parkway	1262+16	1267+99	RT	583	1	20	583	1
Audubon Parkway	1270+30	1278+08	LT	778			778	
Audubon Parkway	1301+39	1306+86	LT	547			547	
Audubon Parkway	1309+64	1315+96	LT	632	1	20		
Audubon Parkway	1309+64	1319+28	LT				963	1
KY 1554	12+17	15+17	RT	300			300	
KY 1554	15+40	18+62	RT	322			322	
KY 1554	21+39	23+24	LT	185			185	
KY 1554	21+43	24+14	RT	271			271	
KY 1554	25+25	26+09	RT	84			84	
KY 1554	26+32	28+70	RT	238			238	
KY 1554 Ramp B	1+43	5+80	RT	438			438	
KY 1554 Ramp B	6+00	8+03	RT	203			203	
KY 1554 Ramp C	+25	3+79	RT	354			354	
KY 1554 Ramp C	+50	+59	LT	9			9	
KY 1554 Ramp C	1+09	1+83	LT	74			74	
KY 1554 Ramp C	3+98	5+64	RT	165			165	
KY 1554 Ramp D	7+10	8+75	RT	165			165	
KY 1554 Ramp D	8+97	10+37	RT	140			140	
KY 1554 Ramp D	10+60	11+11	RT	51			51	
US 60 Ramp D	8+86	13+19	RT	433	2	40	433	2
US 60 Ramp D	13+30	1297+33	RT/LT	680	1	20	680	1
TOTALS				**8336**	**6**	**120**	**8666**	**6**

Note: The Engineer will determine exact locations of the new flumes. All but the one left of approximate Audubon Parkway Sta. 1319+28 will be constructed near the location of the existing flumes being removed.

Pavement Marker Summary
Audubon Parkway Rehabilitation Project

	3225	6592	6593	6600	20467NS112
	Tubular Marker	Pavement Marker Type V-B W/R	Pavement Marker Type V-B Y/R	Remove Pavement Marker Type V (1)	Relocate Tubular Marker
	(Each)				
Henderson Co.					
Audubon Parkway	94				94
Daviess Co.					
Audubon Parkway	466	966	107	1022	466
KY 1554 Ramps					
Ramp A		17	39		
Ramp B		24	25		
Ramp C		23	33		
Ramp D		18	25		
US 60 Ramps					
Ramp A			25	25	
Ramp B			24		
Ramp C		19	30	49	
Ramp D		9	27		
Total Daviess Co.	466	1076	335	1096	466
Total	**560**	**1076**	**335**	**1096**	**560**

Note: Markers for gore areas included with ramp quantities.

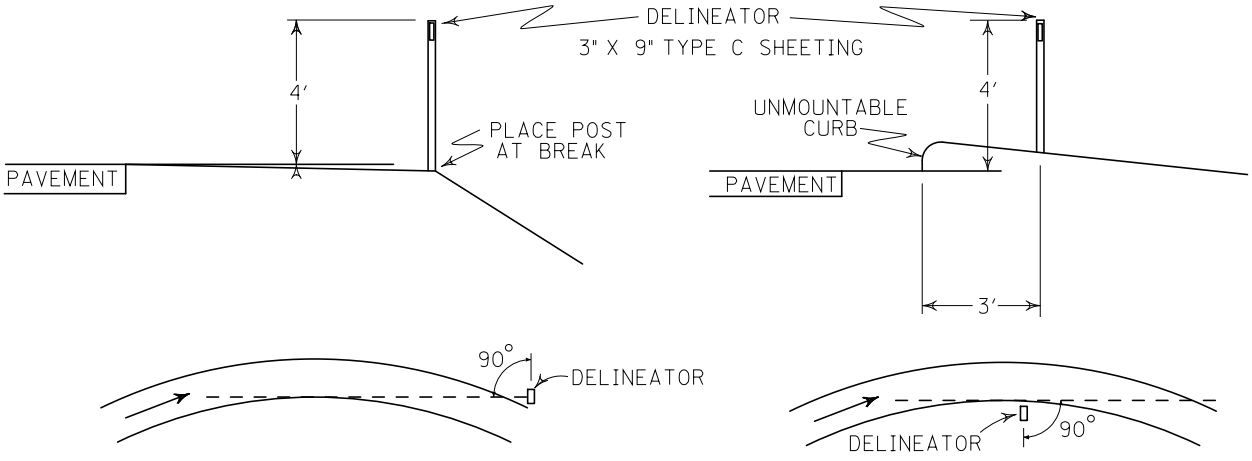
(1) See the special note for removing existing Type V Pavement Markers for important details.

Flexible Delineator Summary
Audubon Parkway Rehabilitation Project

	6417	6418
	Flexible Delineator Post-W	Flexible Delineator Post-Y
	(Each)	
Audubon Parkway	94	30
KY 1554 Ramps		
Ramp A	15	9
Ramp B	11	4
Ramp C	20	8
Ramp D	5	11
US 60 Ramps		
Ramp A	18	11
Ramp B	20	19
Ramp C	21	14
Ramp D	14	6
Total	**218**	**112**

Note: No delineators have been estimated behind guardrail since delineators are being installed on the guardrail. The quantities shown were estimated using the Spacing Table shown on the following page.

FLEXIBLE DELINEATORS



FLEXIBLE DELINEATOR POST POSITIONING & MOUNTING DETAILS

SPACING FOR HIGHWAY DELINEATORS ON HORIZIONTAL CURVES

(DISTANCE IN FEET ROUNDED TO THE NEAREST 5 FEET)

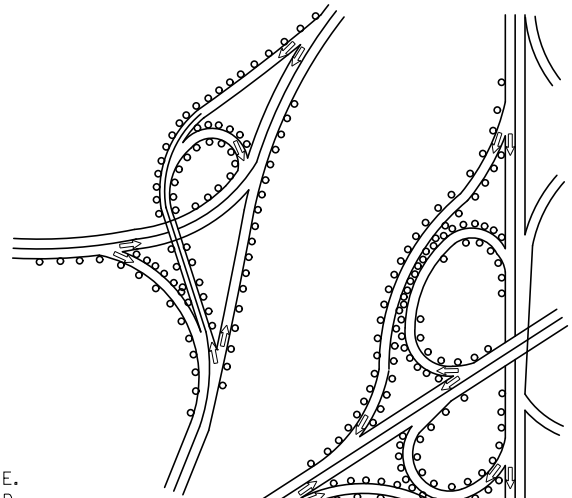
RADIUS OF CURVE (IN FEET)	SPACING ON CURVE (IN FEET)	SPACING IN ADVANCE AND BEYOND CURVE (IN FEET)		
		1ST	2ND	3RD
50	20	40	65	125
150	30	60	90	180
200	35	70	110	215
250	40	85	125	250
300	50	95	145	290
400	55	110	170	300
500	65	125	190	300
600	70	140	210	300
700	75	150	230	300
800	80	165	245	300
900	85	175	260	300
1000	90	185	275	300

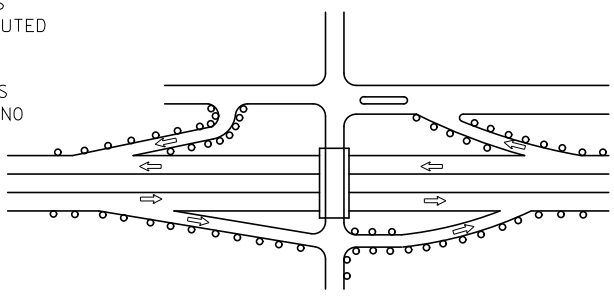
SPACING FOR SPECIFIC RADII NOT SHOWN MAY BE INTERPOLATED FROM TABLE. THE MINIMUM SPACING SHOULD BE 20 FEET. THE SPACING ON CURVES SHOULD NOT EXCEED 300 FEET. IN ADVANCE OF OR BEYOND A CURVE, AND PROCEEDING AWAY FROM THE END OF THE CURVE, THE SPACING OF THE FIRST DELINEATOR IS 2S, THE SECOND 3S, AND THE THIRD 6S BUT NOT TO EXCEED 300 FEET. S REFERS TO THE DELINEATOR SPACING FOR SPECIFIC RADII COMPUTED FROM THE FORMULA $S=3\sqrt{R-50}$.

DELINEATION ON THE TANGENT SECTION OF THE MAINLINE WHERE RAISED PAVEMENT MARKERS ARE IN PLACE IS NOT REQUIRED. HOWEVER, DELINEATION IS REQUIRED ON ALL CURVES OF THE MAINLINE. THE SPACING SHALL BE COMPUTED FROM THE FORMULA $S=3\sqrt{R-50}$.

NOTE: CHANNELIZATION ON RAISED ISLANDS ON RAMPS AT RAMP TERMINI IS TO BE DELINEATED WITH A MINIMUM OF THREE DELINEATORS PER ISLAND. NO DELINEATION ON PAINTED ISLANDS.

FOR ADDITIONAL INFORMATION ON DELINEATION, SEE SECTION 3D OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.



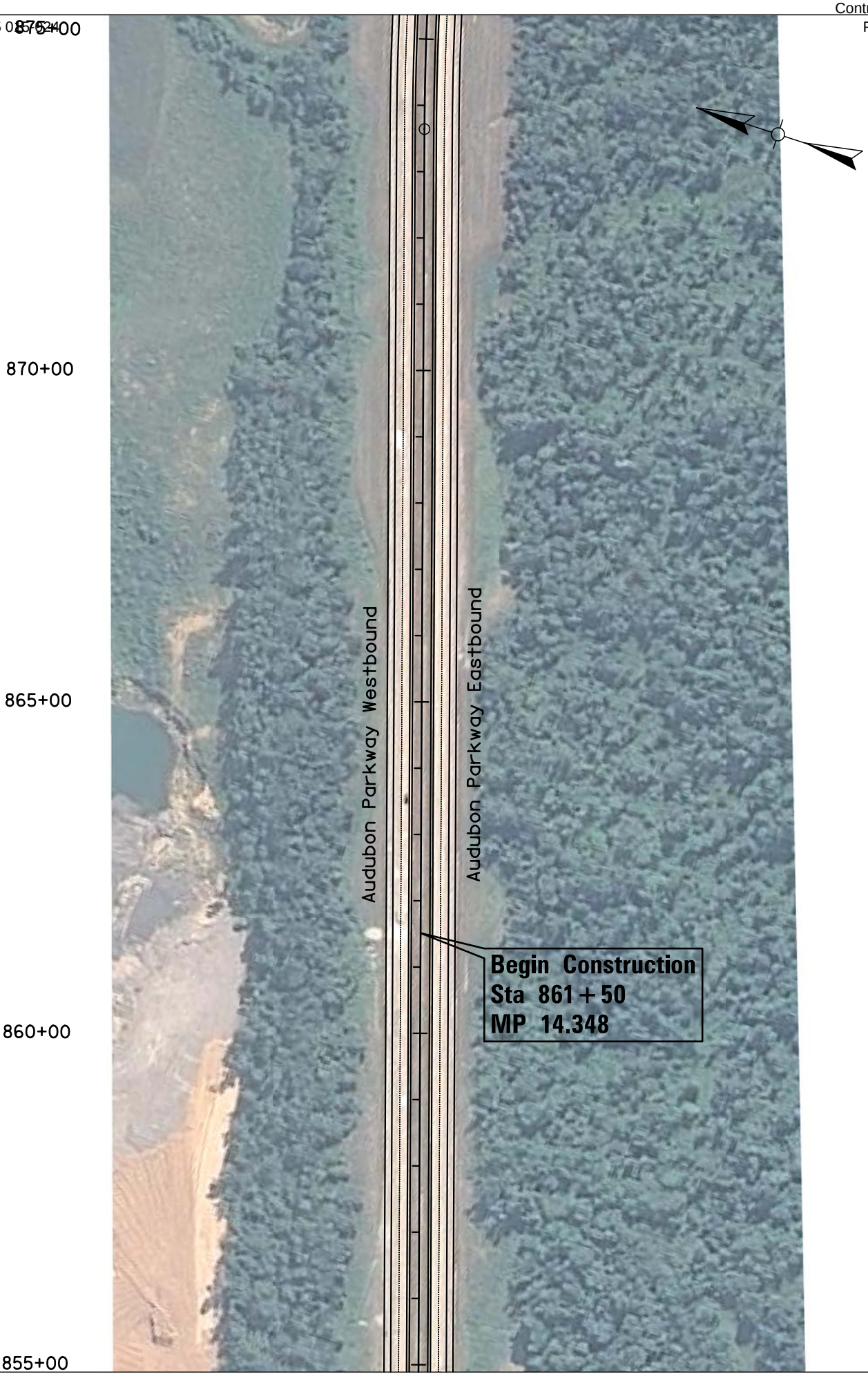


TYPICAL INTERCHANGES RAMP DELINEATION

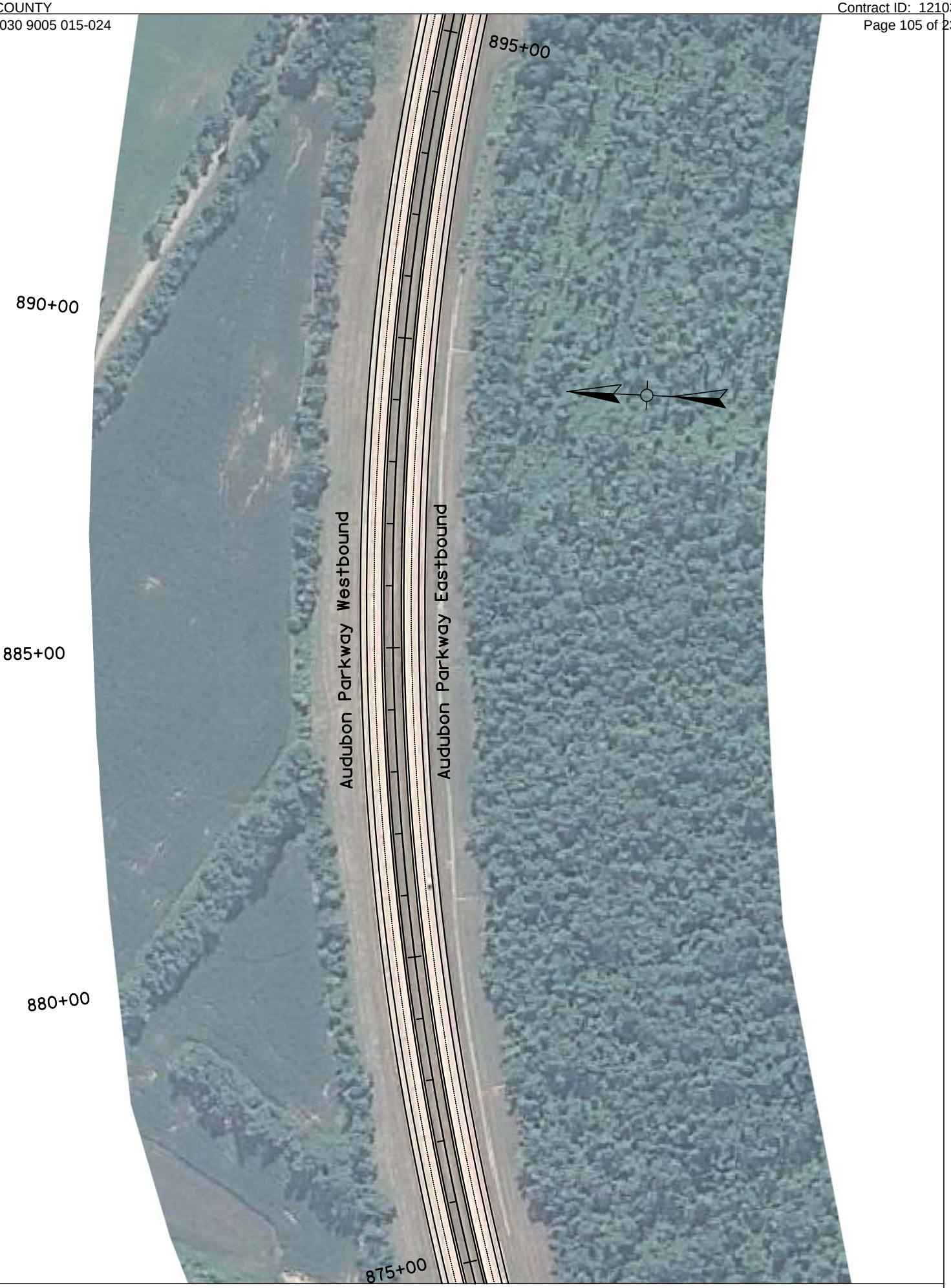
AUDUBON PARKWAY PAVEMENT REHABILITATION
DAVIESS COUNTY
ITEM No. 2-2059.00

SHOULDER REPAIR LOCATIONS				
ROADWAY	**BEGIN & END STA.**		**LENGTH (ft)**	**OFFSET**
Audubon Parkway West	1044+32	1044+42	10	LT
Audubon Parkway West	1045+07	1045+42	35	LT
Audubon Parkway West	1046+77	1046+83	6	LT
Audubon Parkway West	1297+68	1298+69	100	LT
Audubon Parkway West	1303+75	1304+00	25	LT
Audubon Parkway West	1305+35	1305+85	51	LT
Audubon Parkway West	1314+65	1315+26	61	LT
KY 1554	26+01	26+09	7	RT
KY 1554	26+32	26+37	5	RT
KY 1554 Ramp B	1+05	1+31	26	LT
KY 1554 Ramp B	3+65	3+98	33	RT
KY 1554 Ramp B	5+22	5+51	29	RT
KY 1554 Ramp C	5+01	5+12	10	RT
US 60 Ramp C	5+71	6+62	92	RT
US 60 Ramp C	7+20	7+66	46	RT
TOTAL			**536**	

For information only. All shoulders are to be repaired with asphalt millings. This work will be incidental to the milling bid item. There may be other locations identified during construction. Repair all areas as directed by the Engineer.

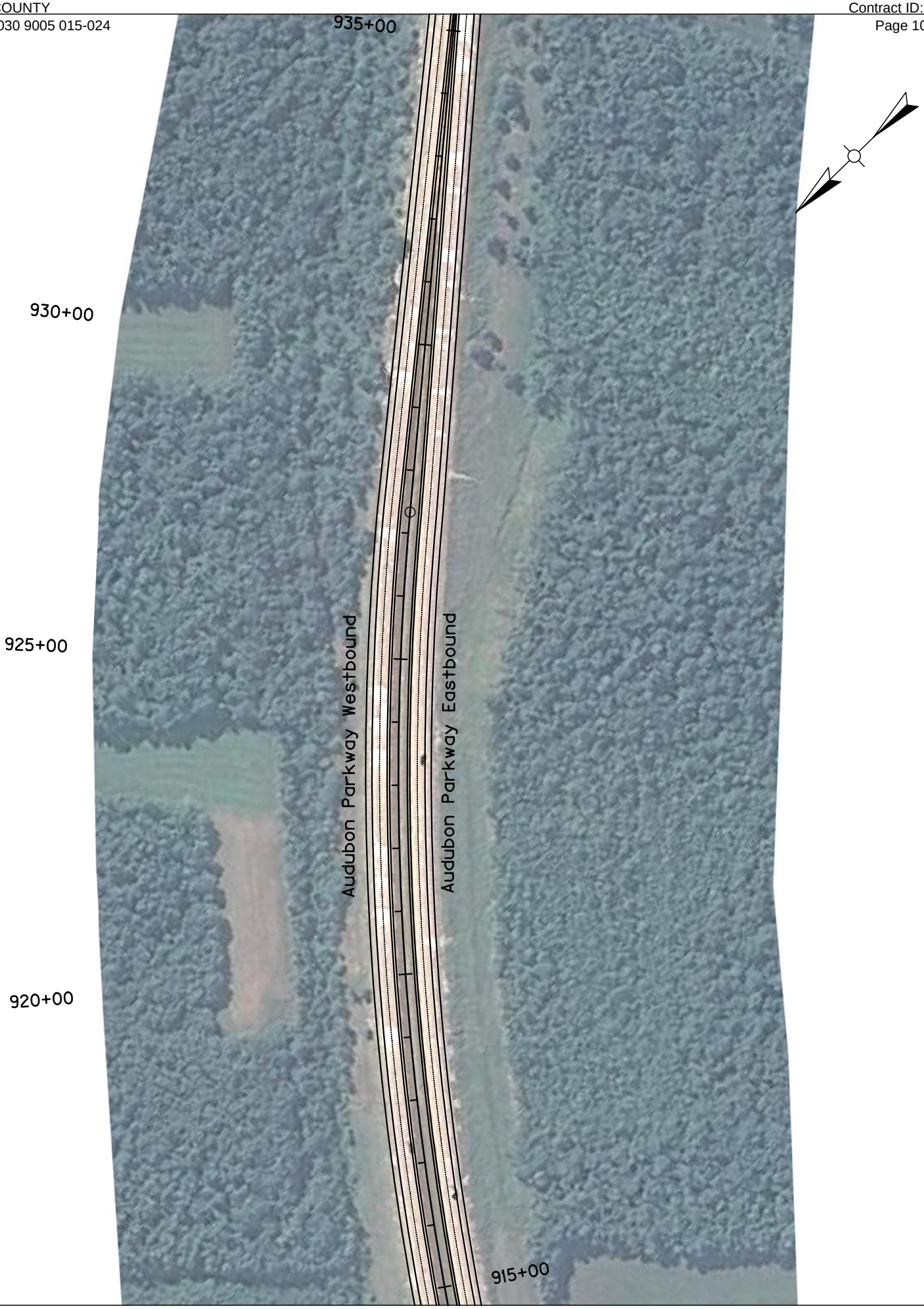


Audubon Parkway Plan - Scale 1" = 200' - Sheet 1 of 27 - Sta 855+00 to Sta 875+00

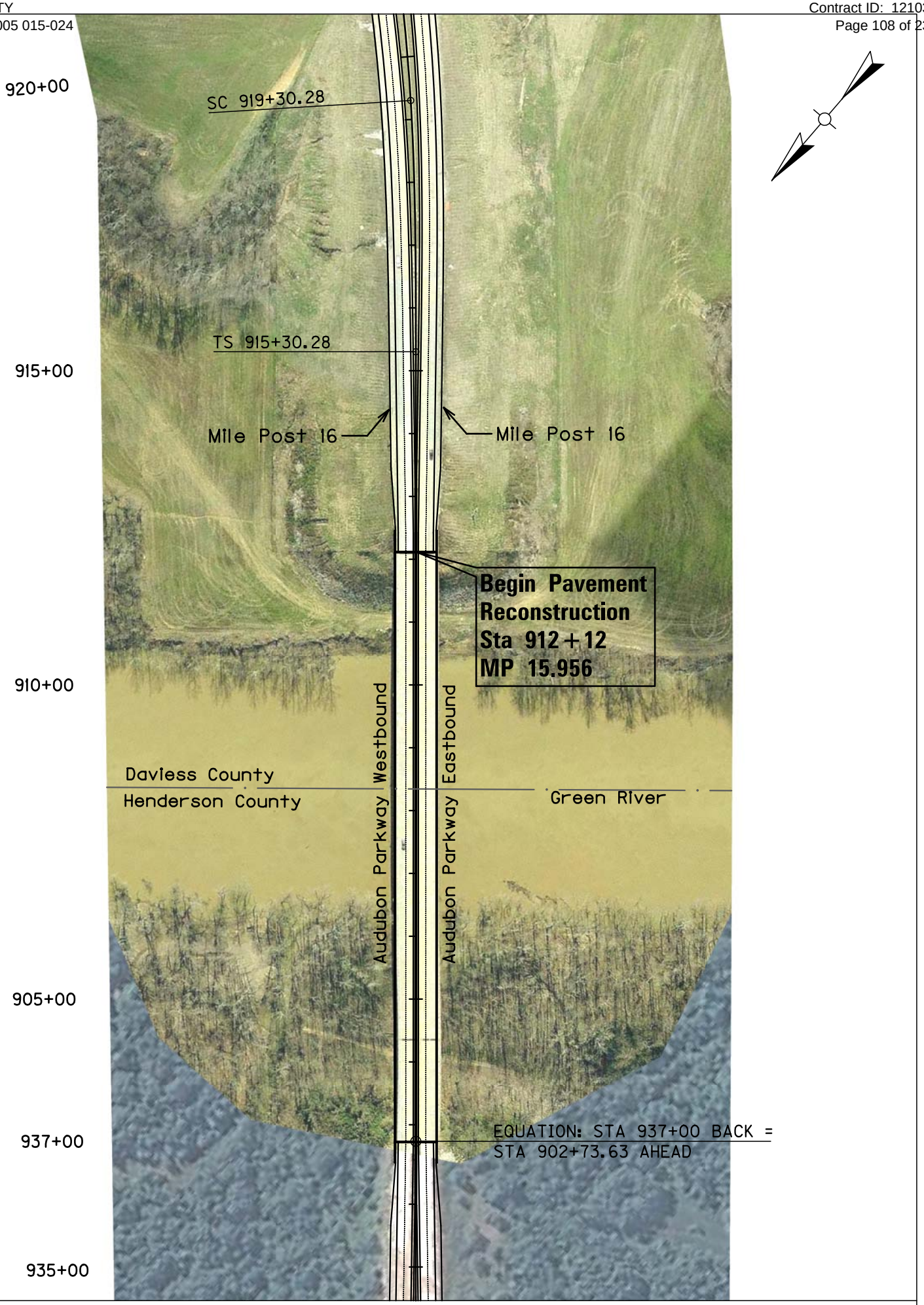


Audubon Parkway Plan - Scale 1" = 200' - Sheet 2 of 27 - Sta 875+00 to Sta 895+00

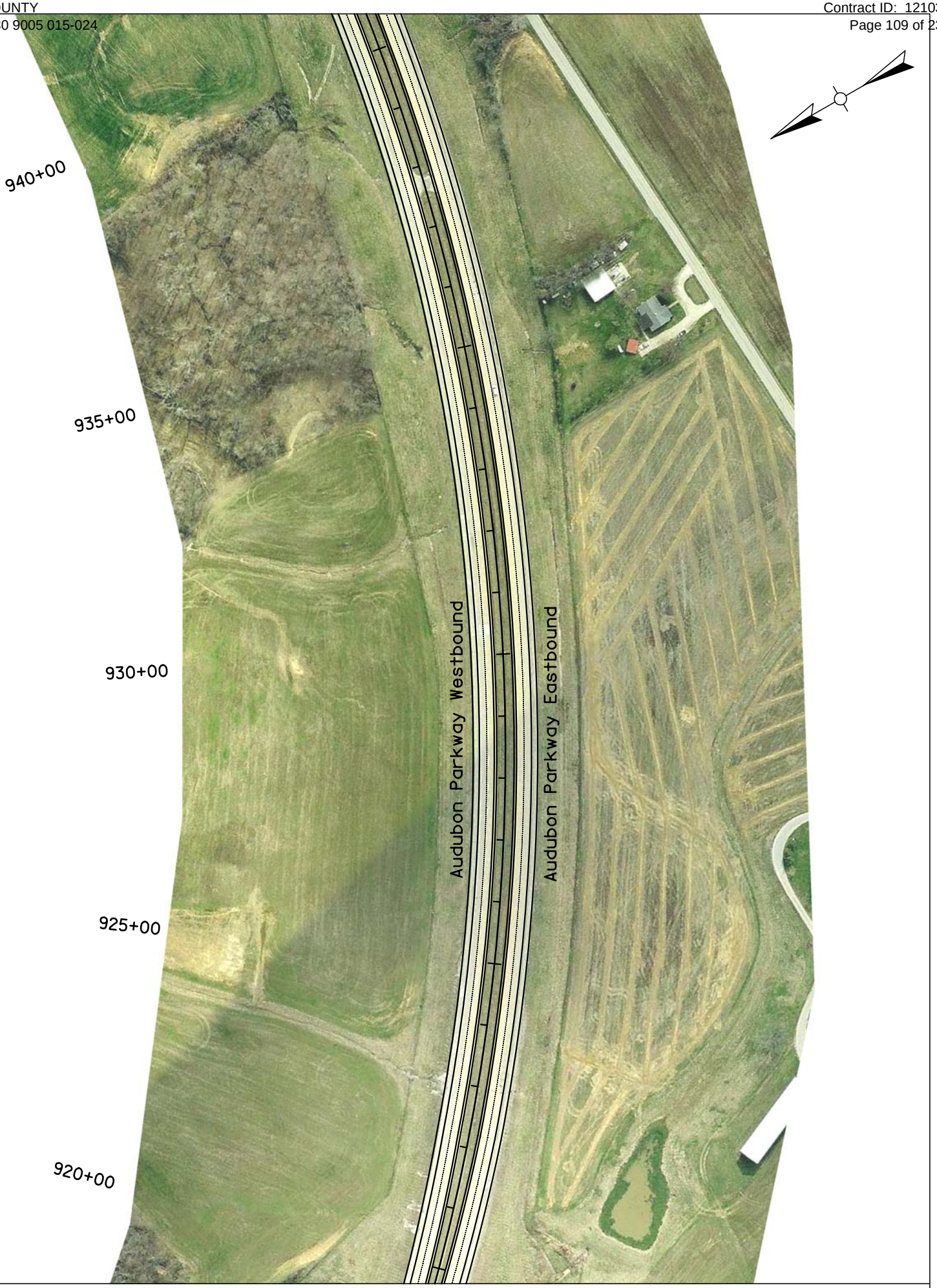
Audubon Parkway Plan - Scale 1" = 200' - Sheet 3 of 27 - Sta 895+00 to Sta 915+00



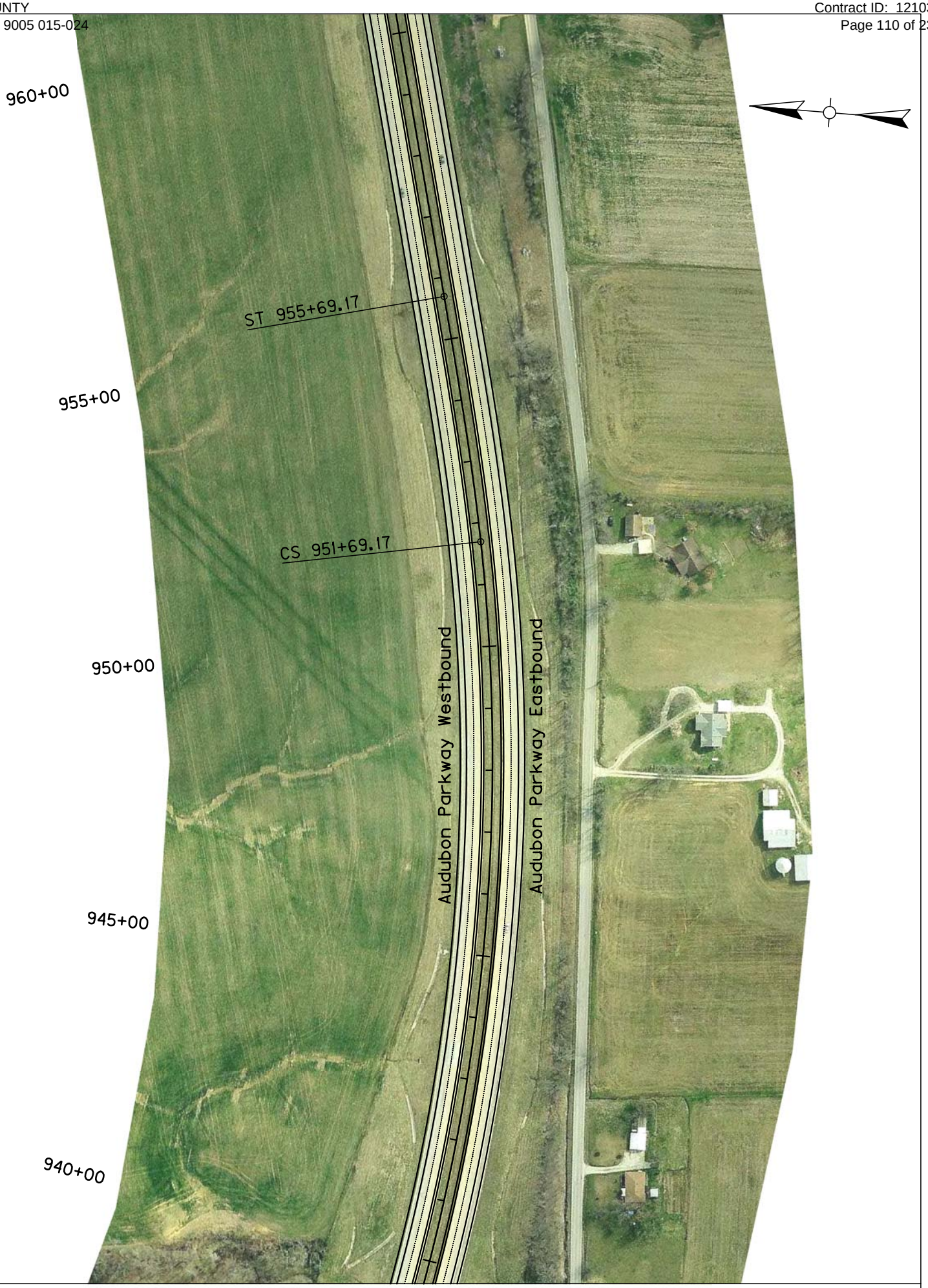
Audubon Parkway Plan - Scale 1" = 200' - Sheet 4 of 27 - Sta 915+00 to Sta 935+00



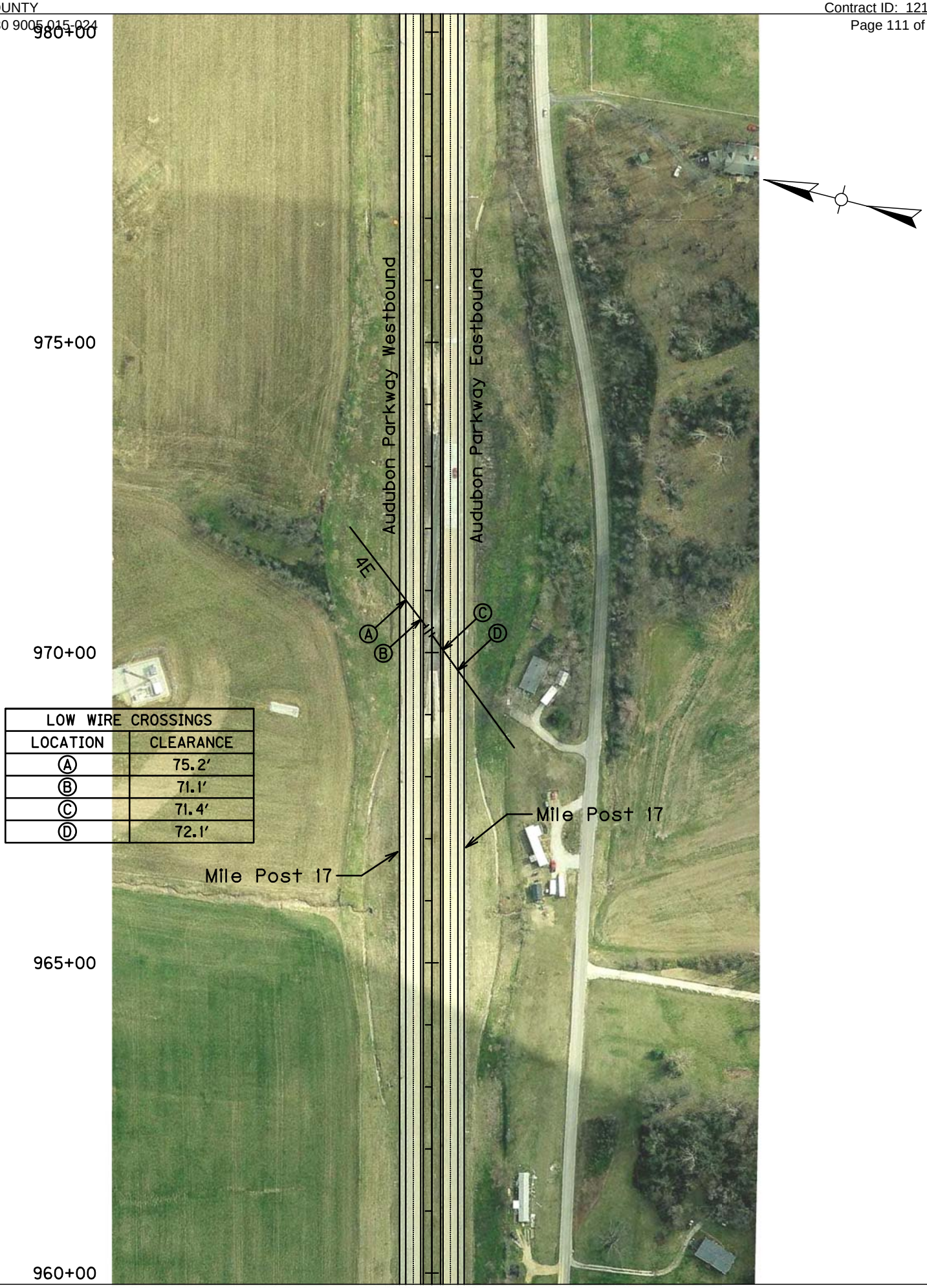
Audubon Parkway Plan - Scale 1" = 200' - Sheet 5 of 27 - Sta 935+00 to Sta 920+00



Audubon Parkway Plan - Scale 1" = 200' - Sheet 6 of 27 - Sta 920+00 to Sta 940+00

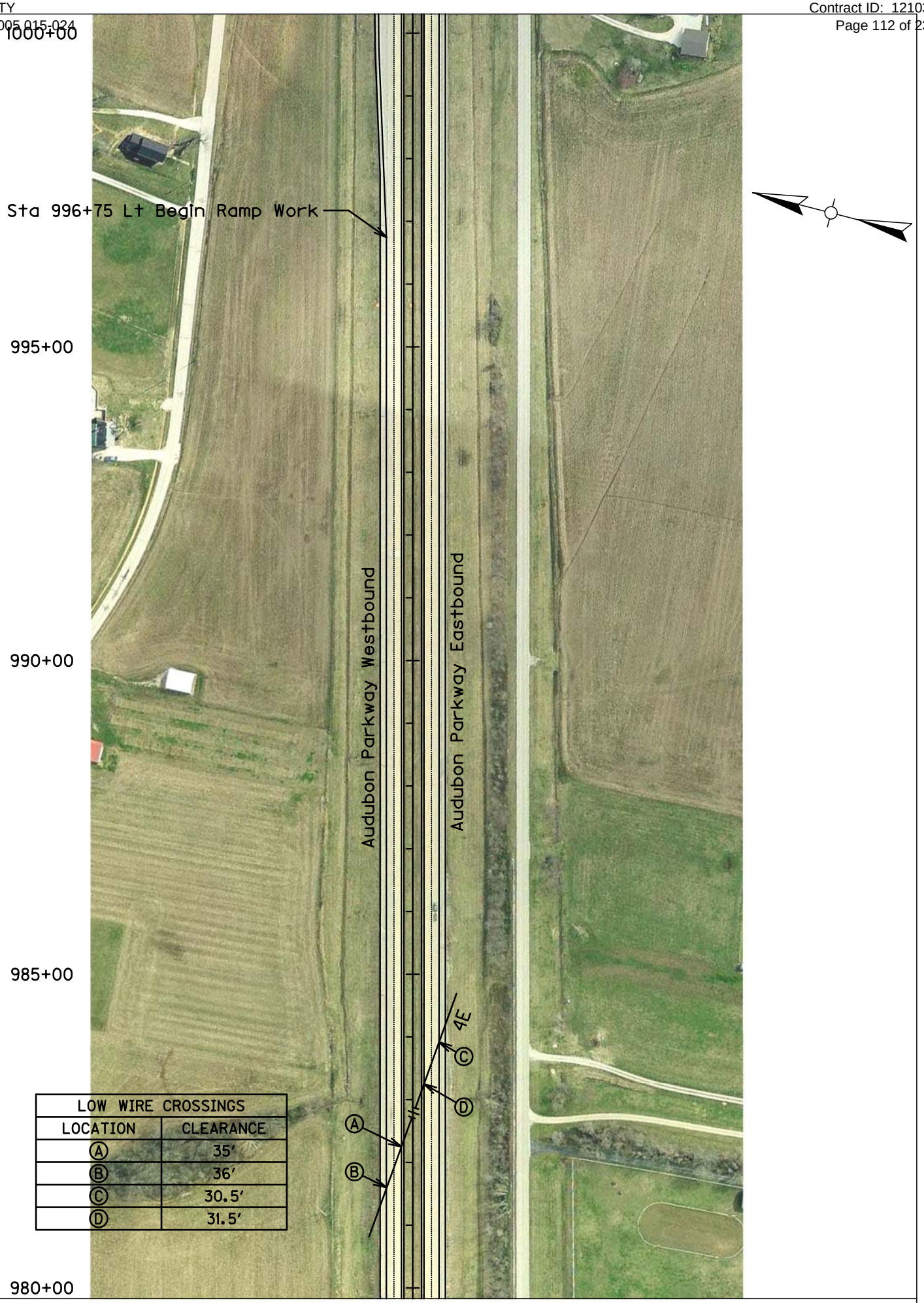


Audubon Parkway Plan - Scale 1" = 200' - Sheet 7 of 27 - Sta 940+00 to Sta 960+00



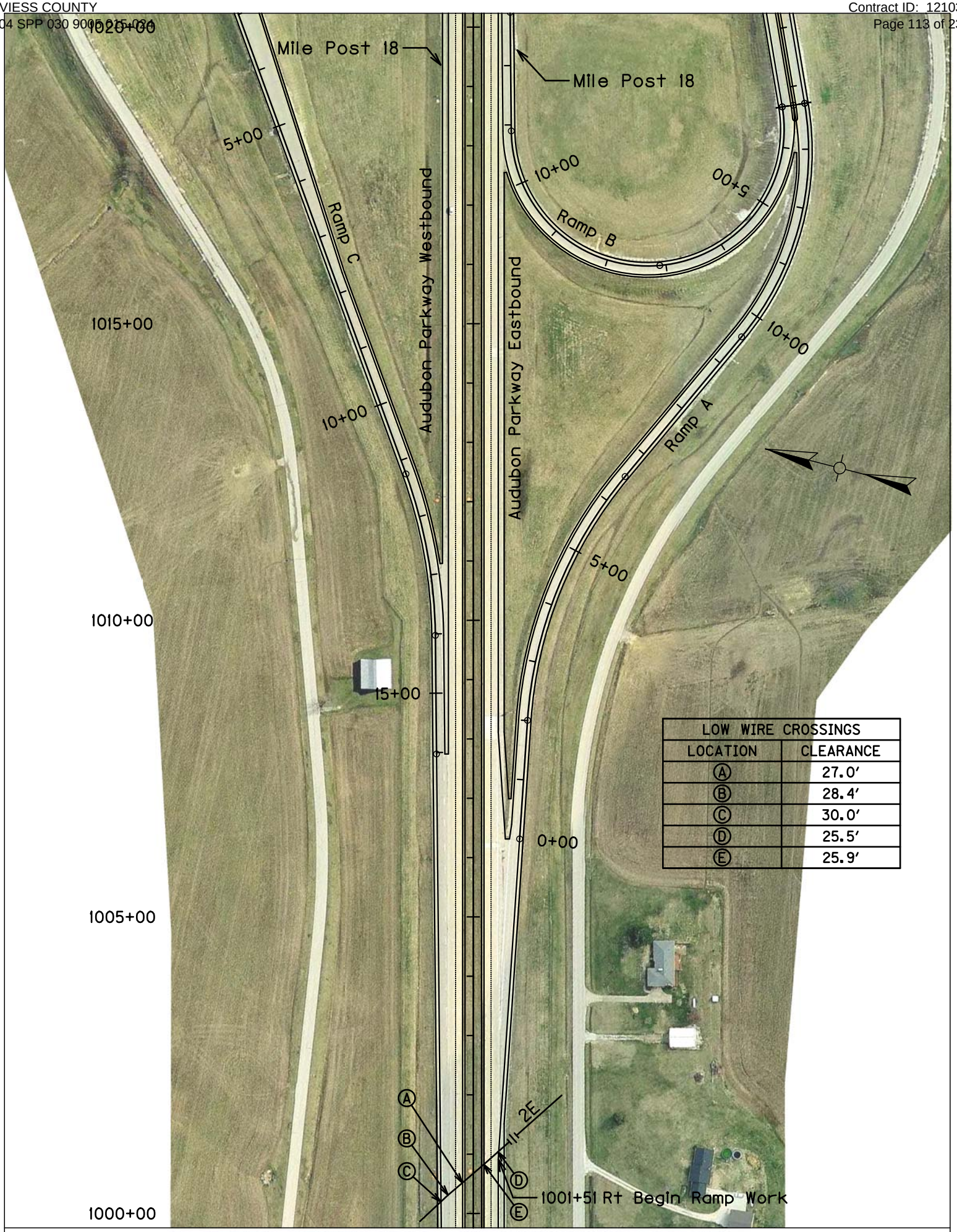
LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
Ⓐ	75.2′
Ⓑ	71.1′
Ⓒ	71.4′
Ⓓ	72.1′

Audubon Parkway Plan - Scale 1" = 200′ - Sheet 8 of 27 - Sta 960+00 to Sta 980+00



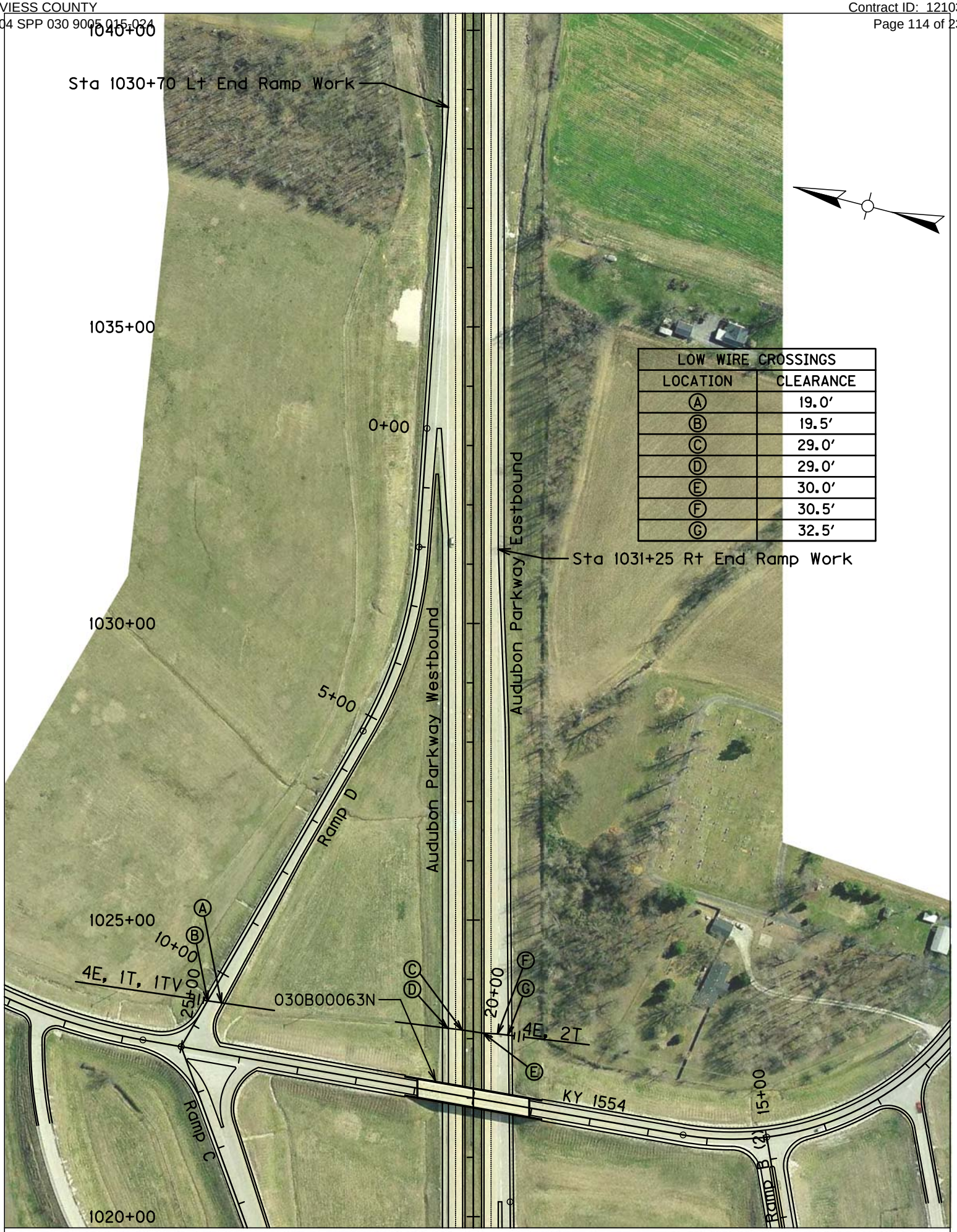
LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
A	35′
B	36′
C	30.5′
D	31.5′

Audubon Parkway Plan - Scale 1" = 200′ - Sheet 9 of 27 - Sta 980+00 to Sta 1000+00



LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
Ⓐ	27.0′
Ⓑ	28.4′
Ⓒ	30.0′
Ⓓ	25.5′
Ⓔ	25.9′

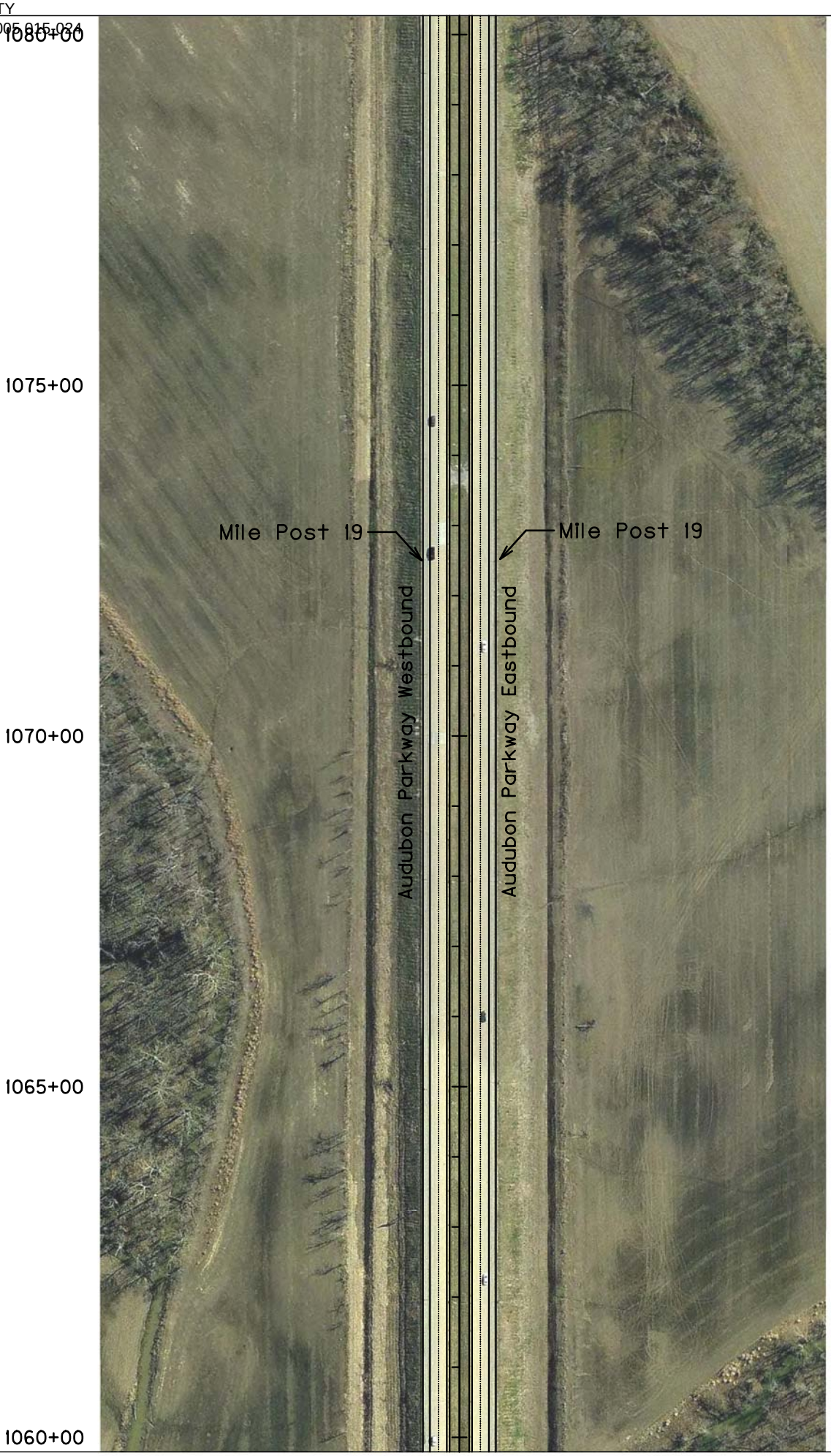
Audubon Parkway Plan - Scale 1" = 200′ - Sheet 10 of 27 - Sta 1000+00 to Sta 1020+00



LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
Ⓐ	19.0′
Ⓑ	19.5′
Ⓒ	29.0′
Ⓓ	29.0′
Ⓔ	30.0′
Ⓕ	30.5′
Ⓖ	32.5′

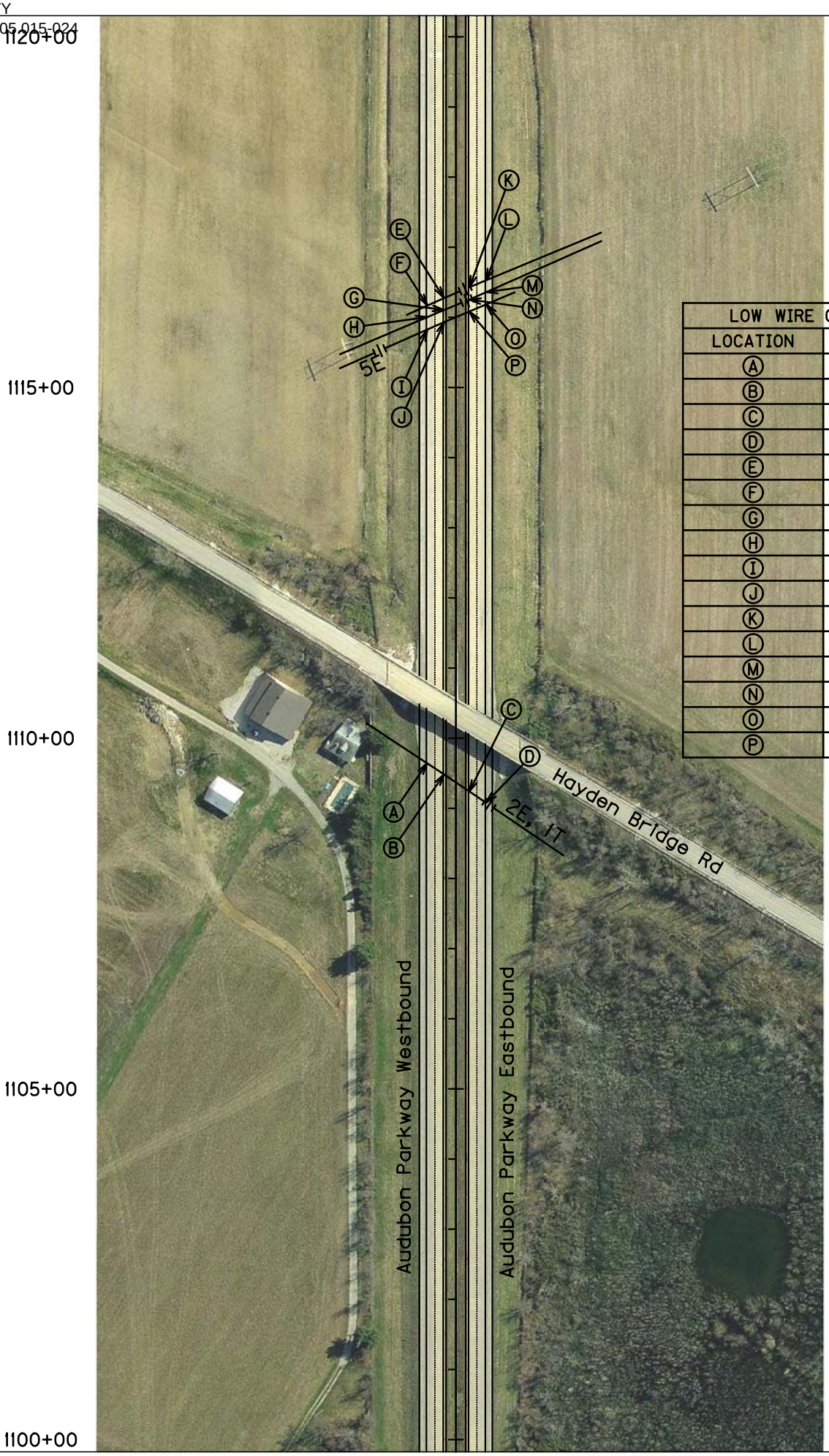
Audubon Parkway Plan - Scale 1" = 200′ - Sheet 11 of 27 - Sta 1020+00 to Sta 1040+00

Audubon Parkway Plan - Scale 1" = 200' - Sheet 12 of 27 - Sta 1040+00 to Sta 1060+00



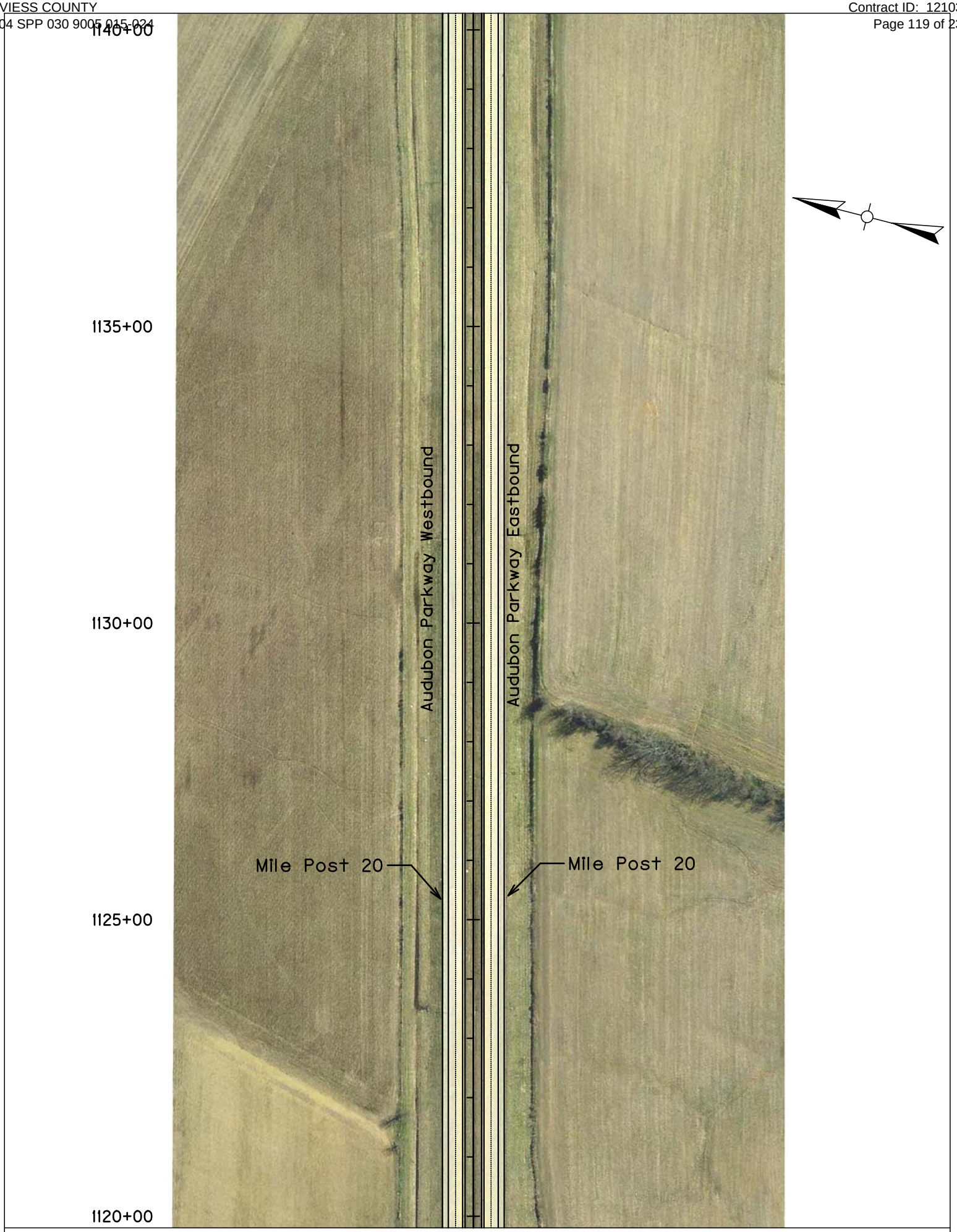
Audubon Parkway Plan - Scale 1" = 200' - Sheet 13 of 27 - Sta 1060+00 to Sta 1080+00

Audubon Parkway Plan - Scale 1" = 200' - Sheet 14 of 27 - Sta 1080+00 to Sta 1100+00

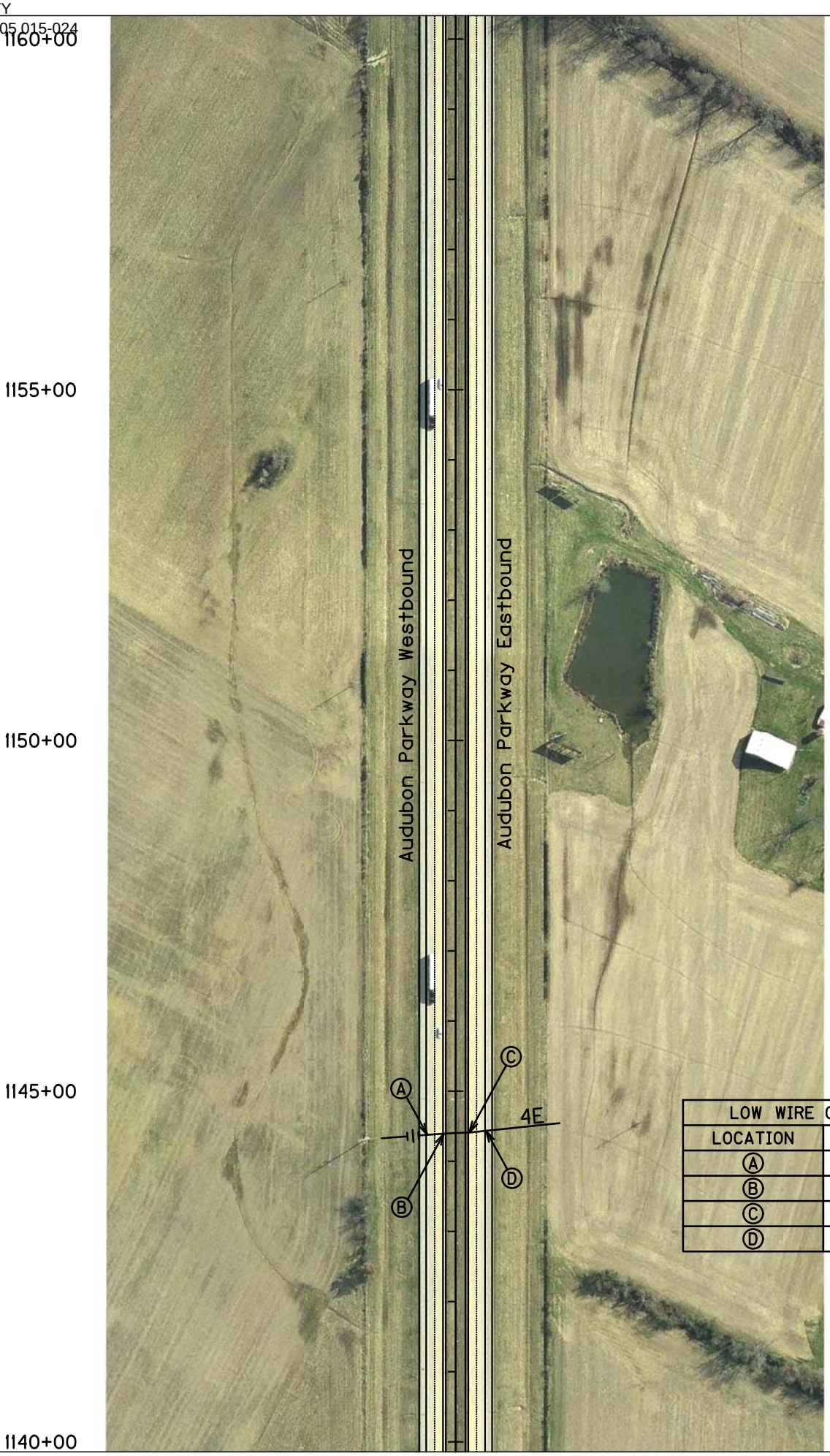


LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
Ⓐ	22.6′
Ⓑ	20.6′
Ⓒ	18.3′
Ⓓ	17.3′
Ⓔ	32.0′
Ⓕ	32.0′
Ⓖ	32.0′
Ⓗ	32.0′
Ⓘ	32.0′
Ⓙ	32.0′
Ⓚ	32.0′
Ⓛ	32.0′
Ⓜ	32.0′
Ⓝ	32.0′
Ⓞ	32.0′
Ⓟ	32.0′

Audubon Parkway Plan - Scale 1" = 200′ - Sheet 15 of 27 - Sta 1100+00 to Sta 1120+00

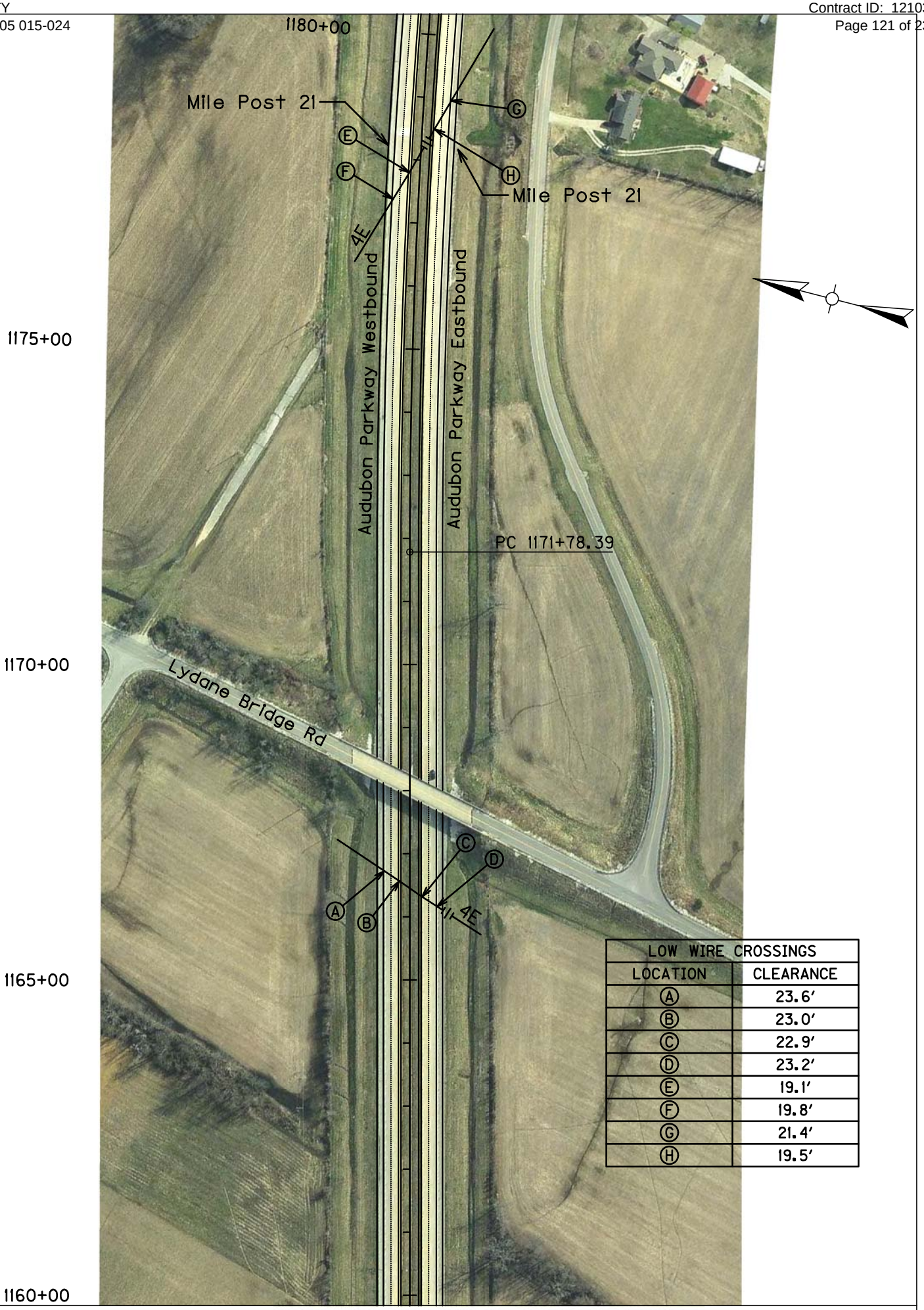


Audubon Parkway Plan - Scale 1" = 200' - Sheet 16 of 27 - Sta 1120+00 to Sta 1140+00



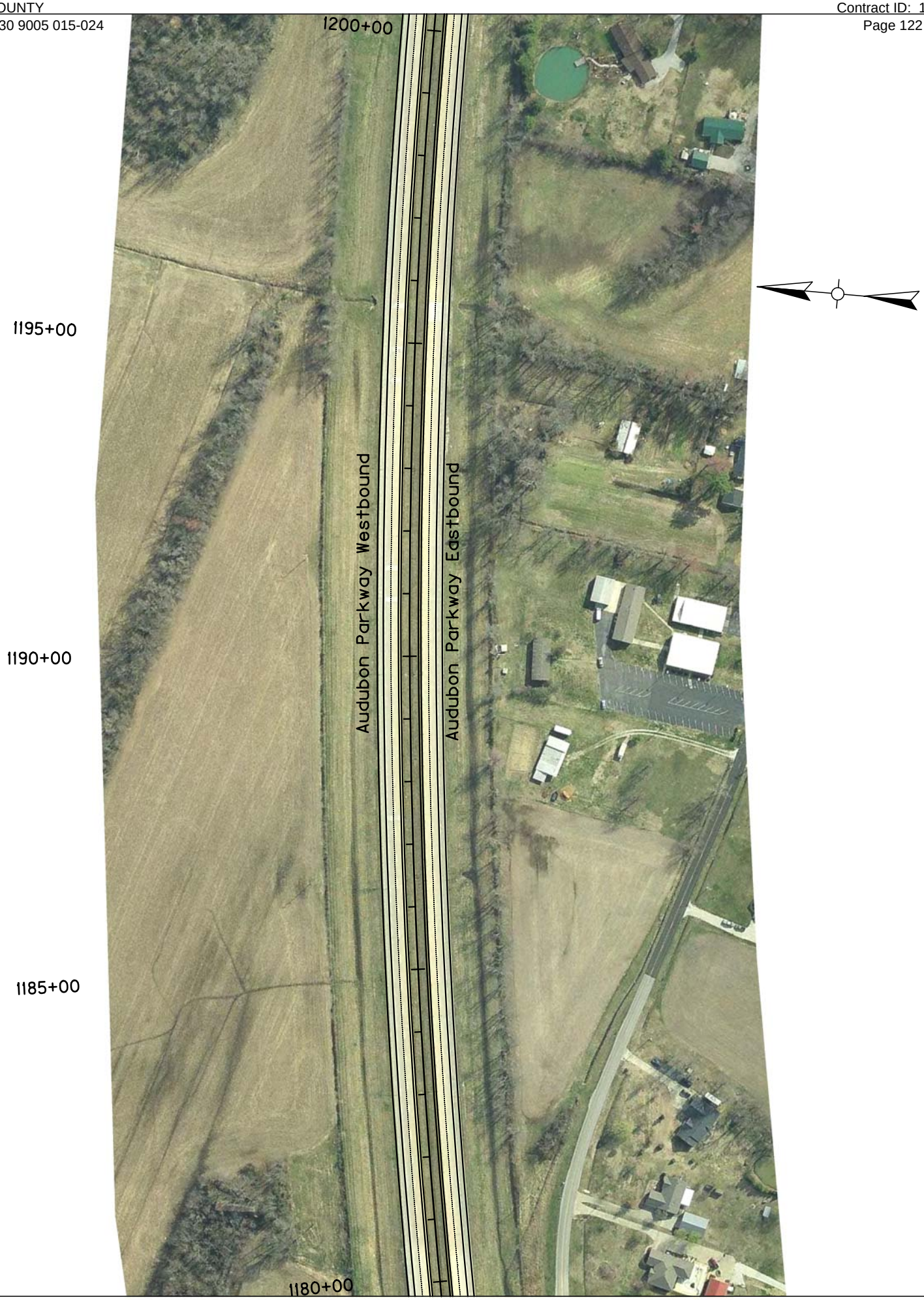
LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
Ⓐ	32.0′
Ⓑ	32.0′
Ⓒ	30.0′
Ⓓ	29.5′

Audubon Parkway Plan - Scale 1" = 200′ - Sheet 17 of 27 - Sta 1140+00 to Sta 1160+00



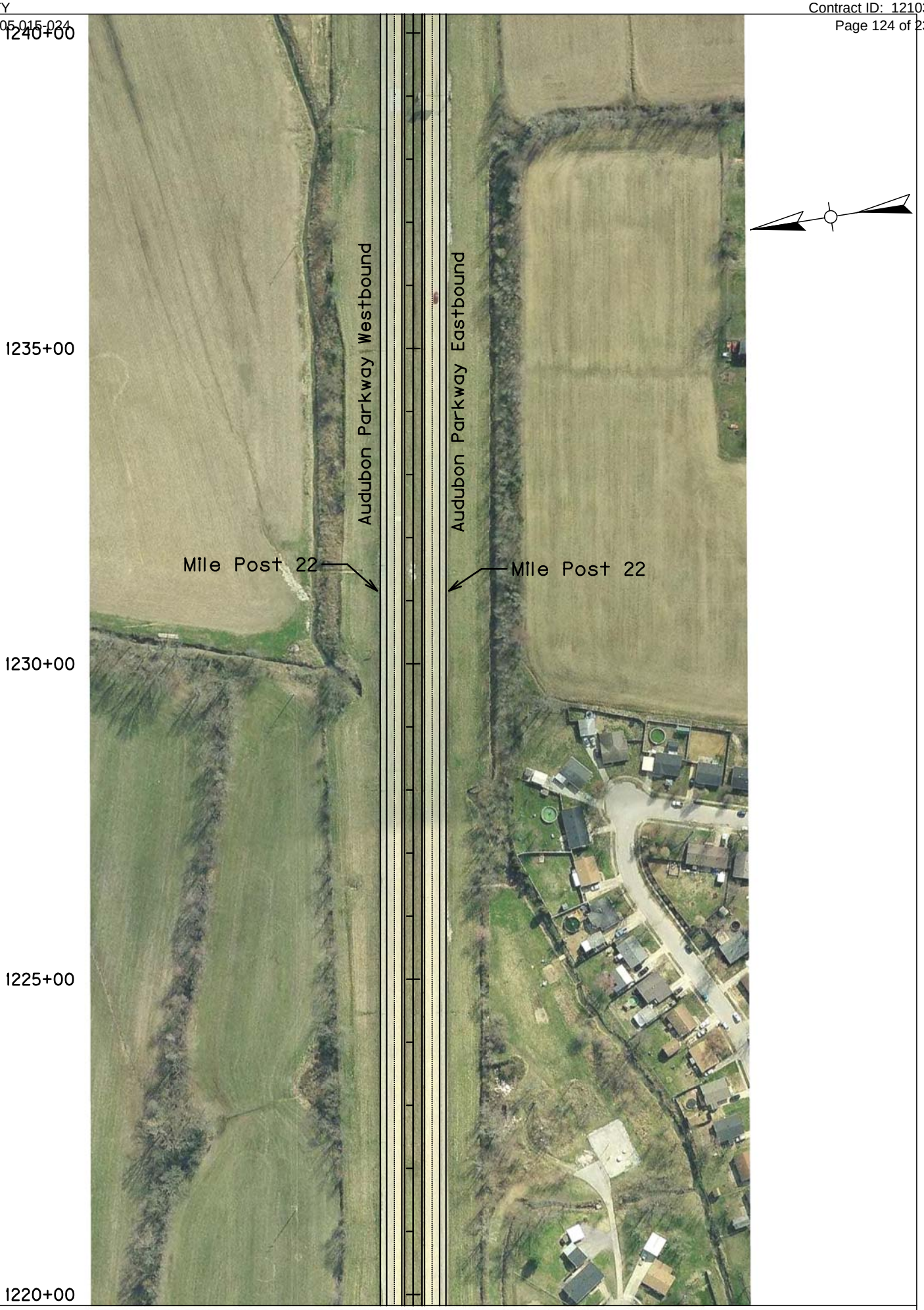
LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
A	23.6′
B	23.0′
C	22.9′
D	23.2′
E	19.1′
F	19.8′
G	21.4′
H	19.5′

Audubon Parkway Plan - Scale 1" = 200′ - Sheet 18 of 27 - Sta 1160+00 to Sta 1180+00



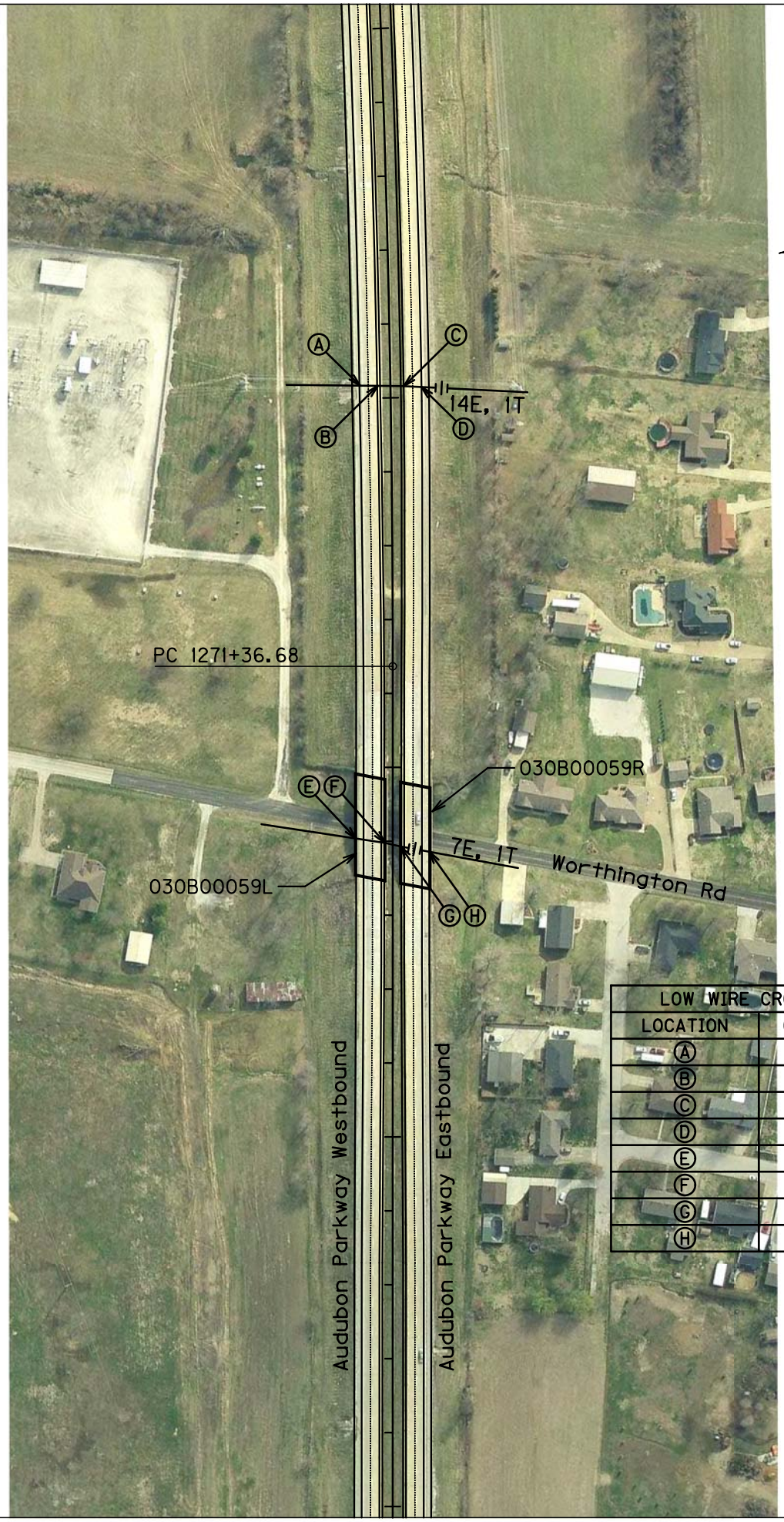
Audubon Parkway Plan - Scale 1" = 200' - Sheet 19 of 27 - Sta 1180+00 to Sta 1200+00

Audubon Parkway Plan - Scale 1" = 200' - Sheet 20 of 27 - Sta 1200+00 to Sta 1220+00



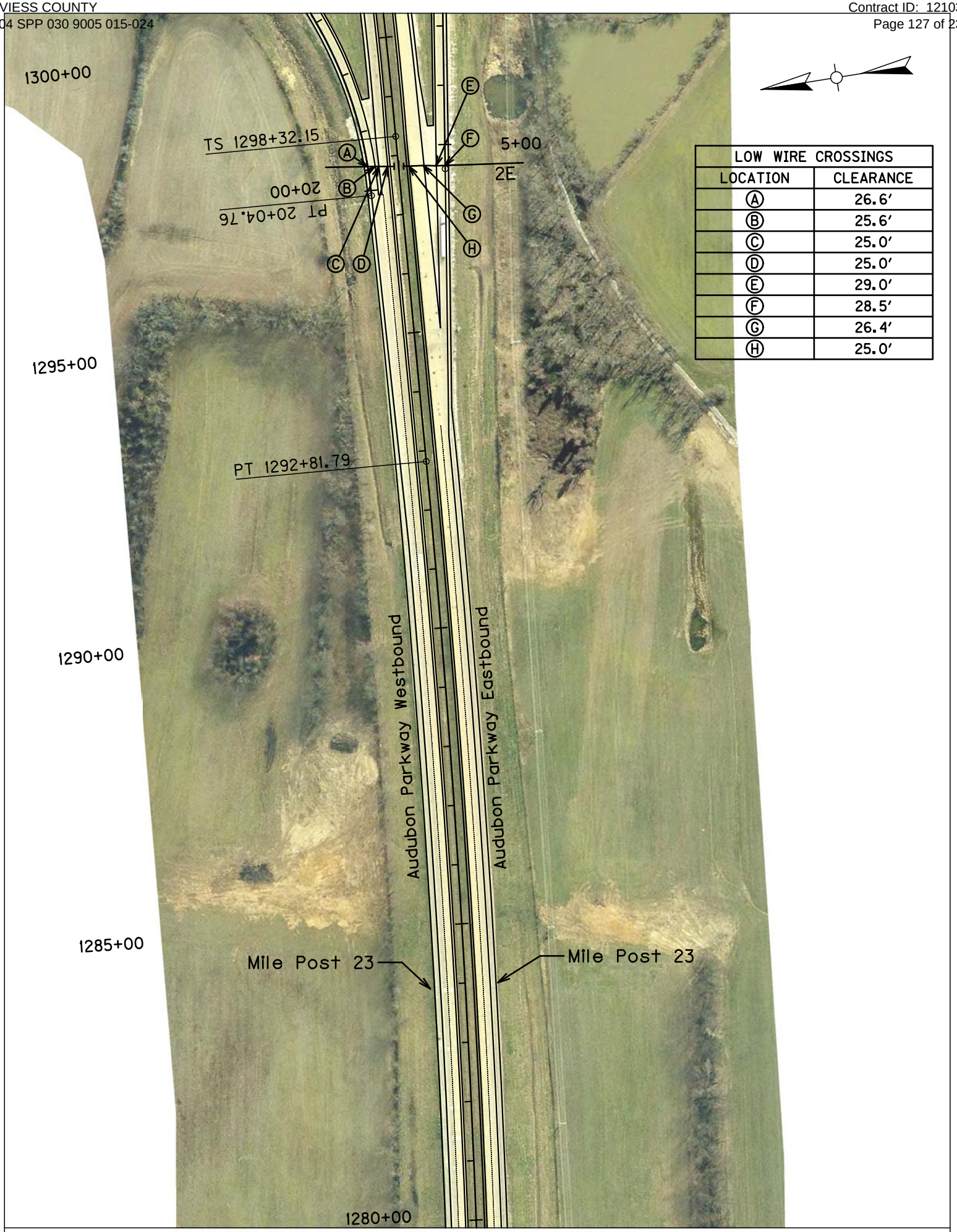
Audubon Parkway Plan - Scale 1" = 200' - Sheet 21 of 27 - Sta 1220+00 to Sta 1240+00

Audubon Parkway Plan - Scale 1" = 200' - Sheet 22 of 27 - Sta 1240+00 to Sta 1260+00



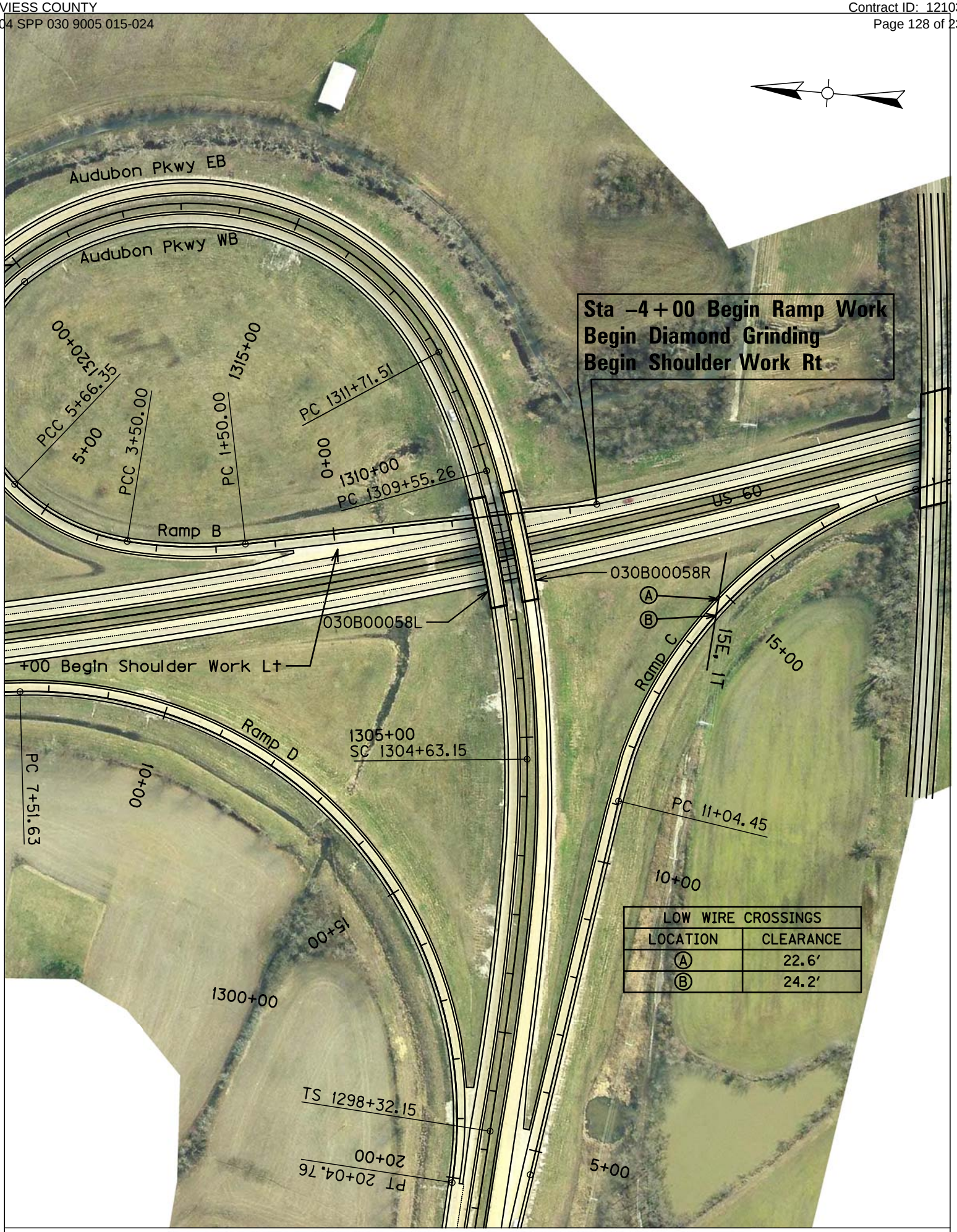
LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
Ⓐ	20.2′
Ⓑ	19.9′
Ⓒ	19.6′
Ⓓ	19.6′
Ⓔ	27.0′
Ⓕ	26.5′
Ⓖ	25.0′
Ⓗ	24.5′

Audubon Parkway Plan - Scale 1" = 200′ - Sheet 23 of 27 - Sta 1260+00 to Sta 1280+00



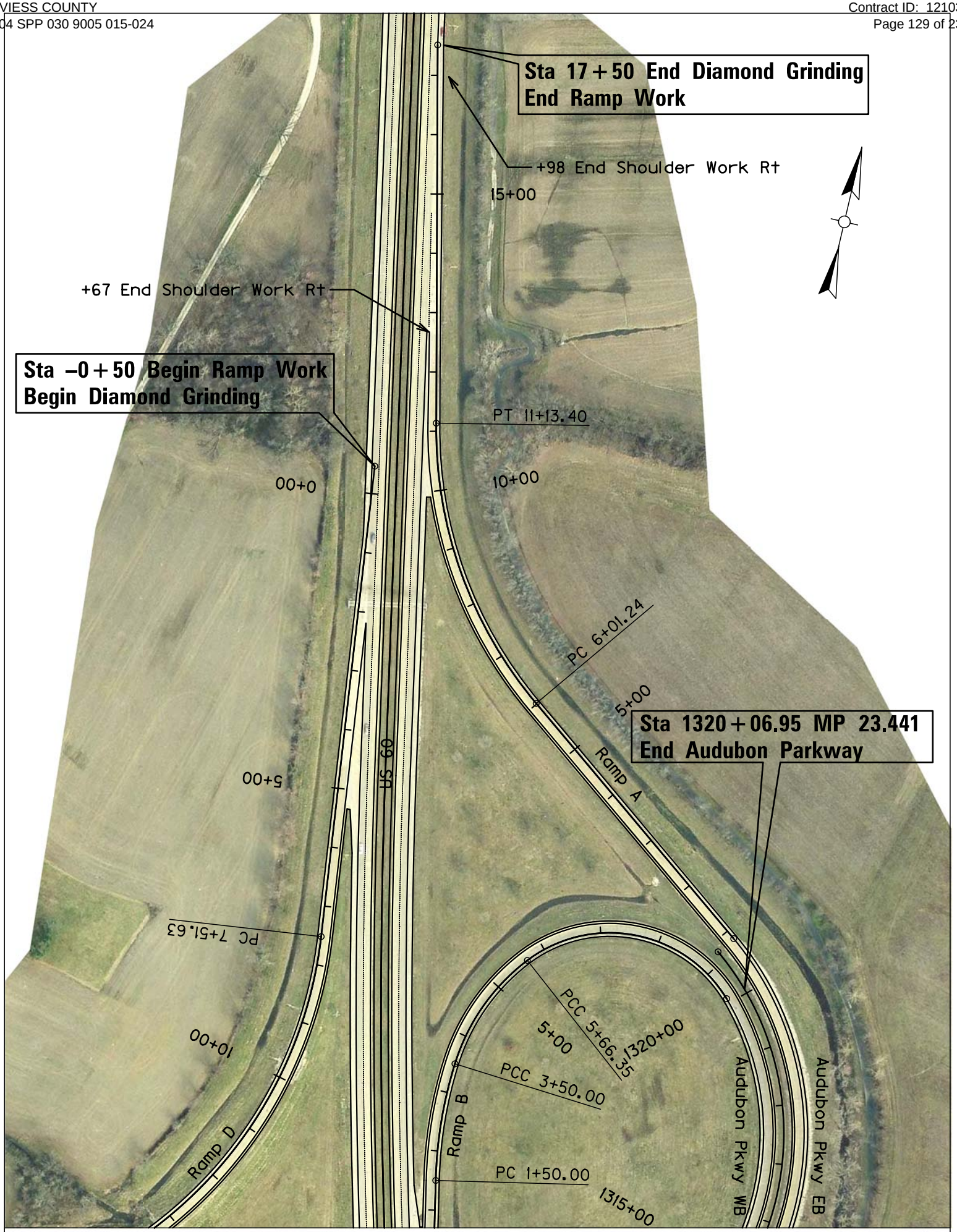
LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
Ⓐ	26.6′
Ⓑ	25.6′
Ⓒ	25.0′
Ⓓ	25.0′
Ⓔ	29.0′
Ⓕ	28.5′
Ⓖ	26.4′
Ⓗ	25.0′

Audubon Parkway Plan - Scale 1" = 200′ - Sheet 24 of 27 - Sta 1280+00 to Sta 1300+00

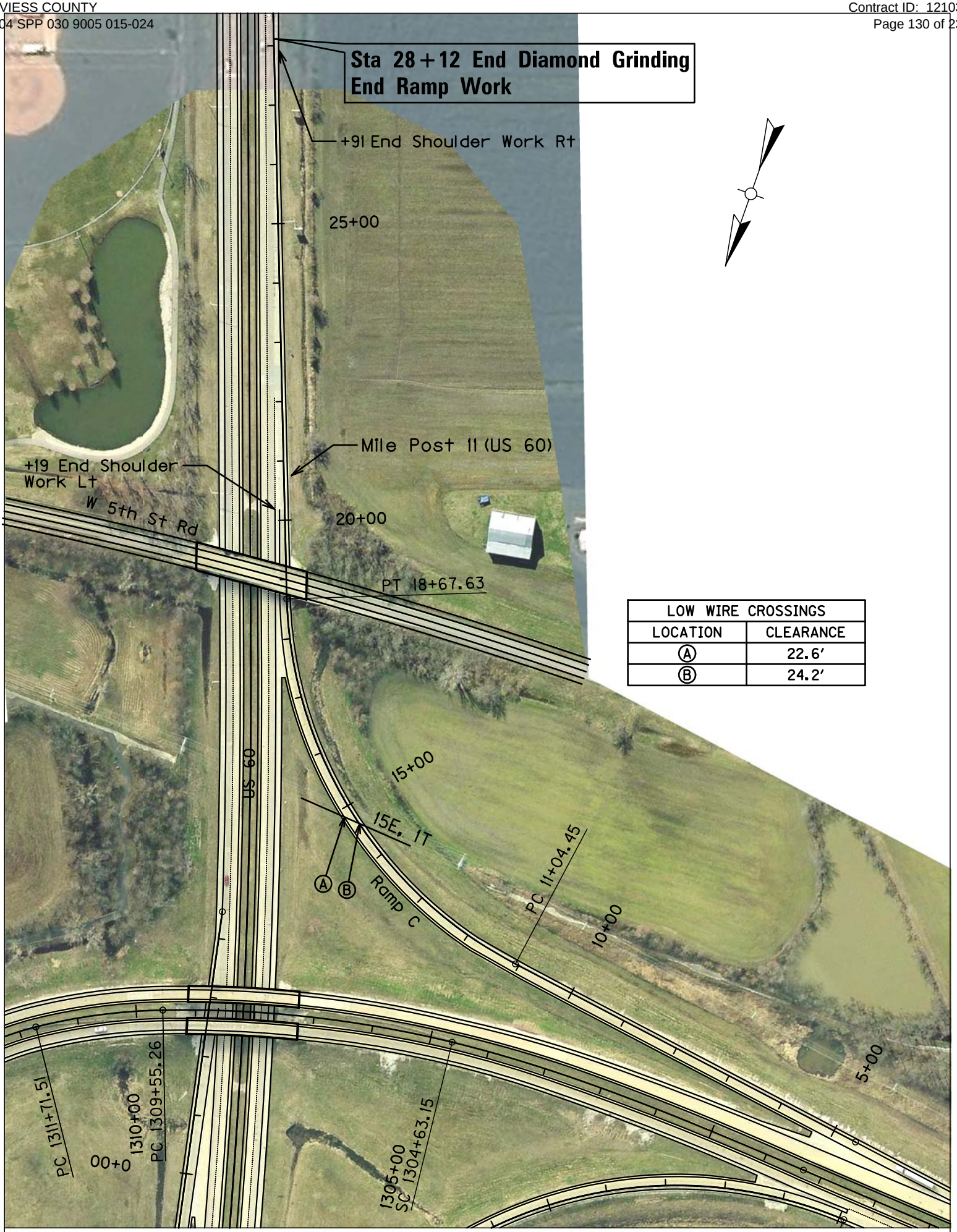


LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
Ⓐ	22.6′
Ⓑ	24.2′

Audubon Parkway Plan - Scale 1" = 200′ - Sheet 25 of 27 - Sta 1300+00 to Sta 1320+00

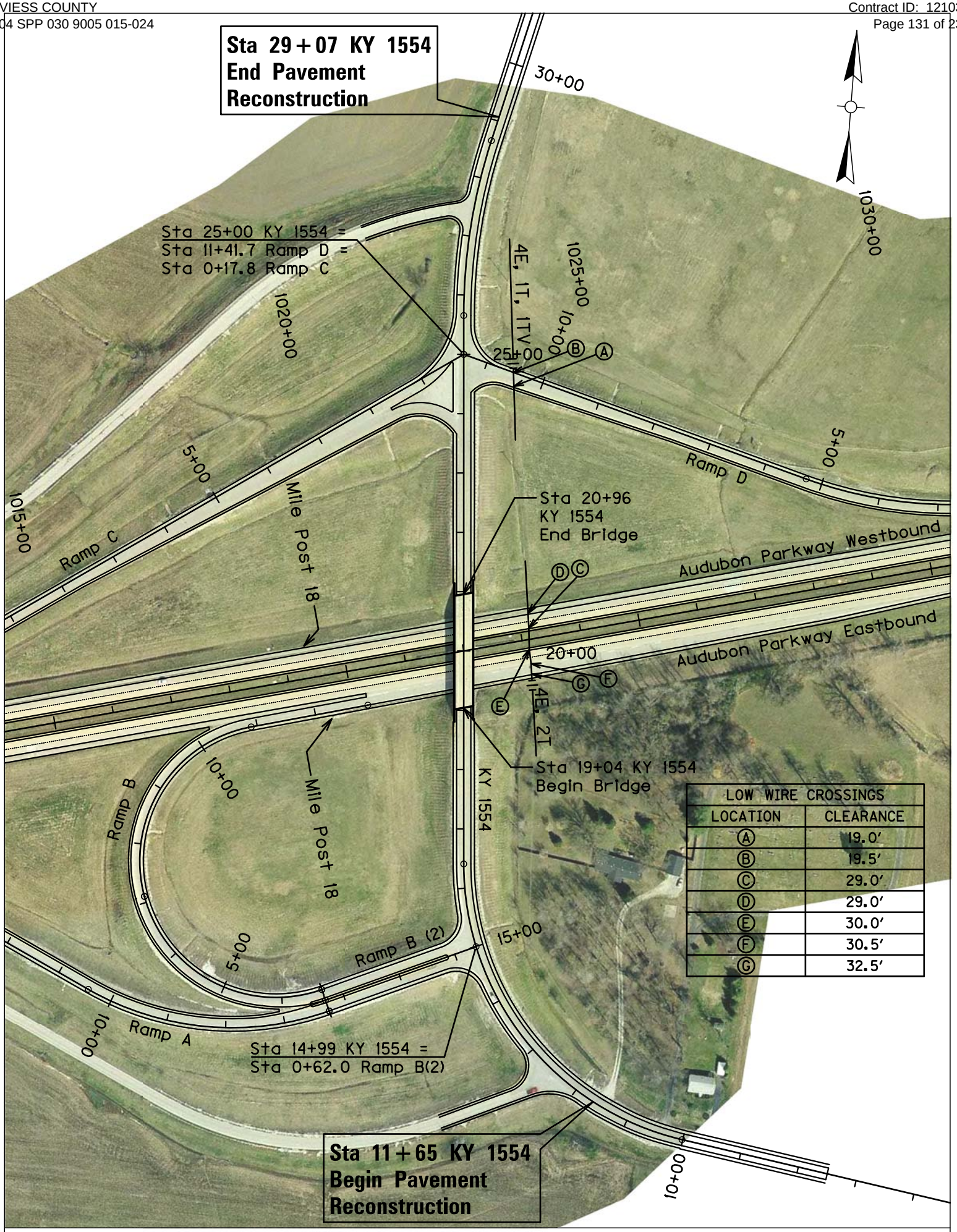


Audubon Parkway Plan - Scale 1" = 200' - Sheet 26 of 27 - Sta 1320+00 to End Const Ramp A



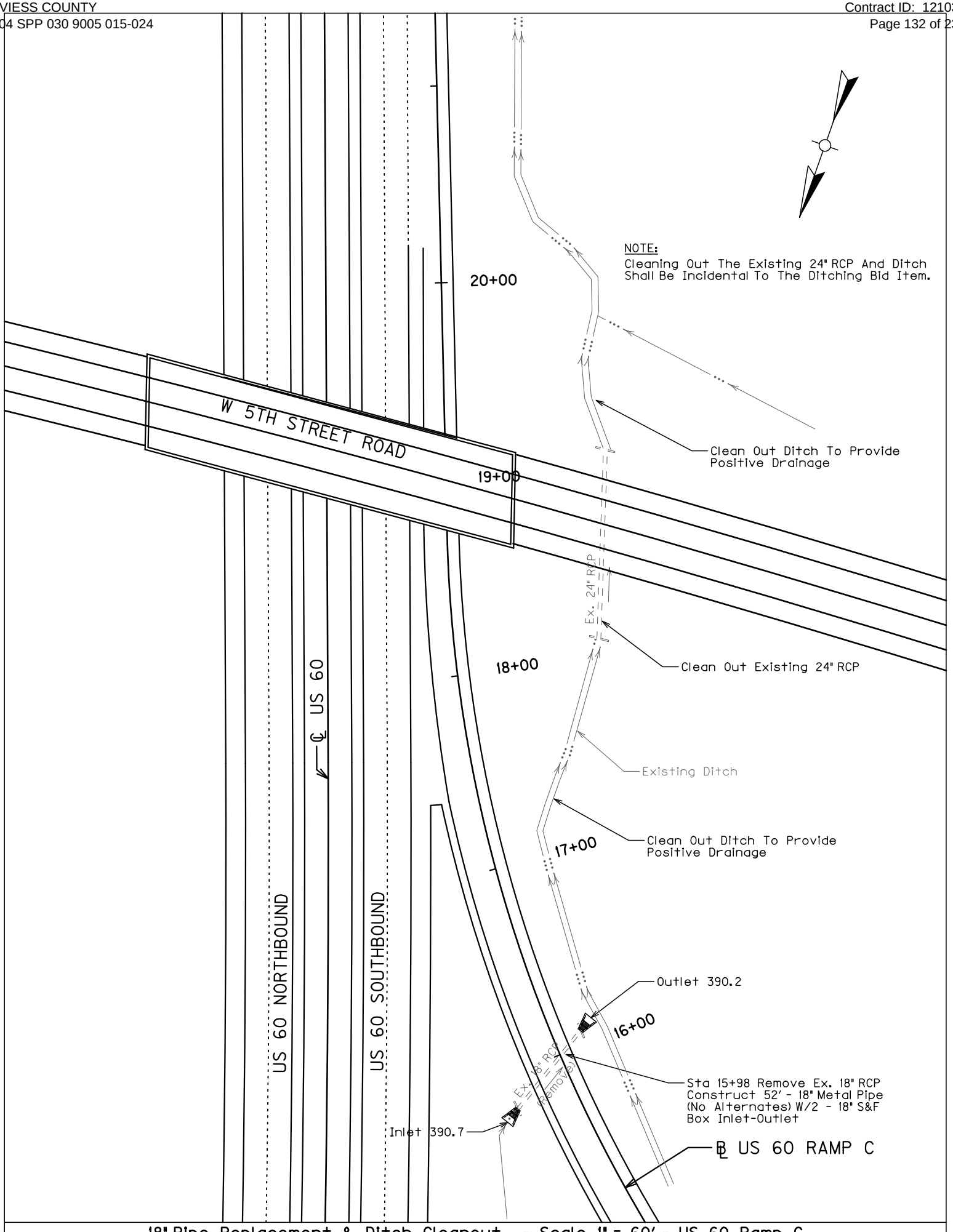
LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
Ⓐ	22.6′
Ⓑ	24.2′

Audubon Parkway Plan - Scale 1" = 200′ - Sheet 27 of 27 - US 60 Ramp C



LOW WIRE CROSSINGS	
LOCATION	CLEARANCE
A	19.0′
B	19.5′
C	29.0′
D	29.0′
E	30.0′
F	30.5′
G	32.5′

KY 1554 Plan - Scale 1" = 200′ - Sheet 1 of 1 - Sta 10+00 to Sta 30+00



18" Pipe Replacement & Ditch Cleanout - Scale 1" = 60' - US 60 Ramp C

TRAFFIC CONTROL
PLAN DAVIESS COUNTY
AUDUBON PARKWAY (AU 9005) FD04 SPP 030 9005 015-024
Item No. 2-0259.00

THIS PROJECT IS A FULLY CONTROLLED ACCESS HIGHWAY

TRAFFIC CONTROL GENERAL

Except as provided herein, maintain and control traffic in accordance with the 2012 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". All lane closures used on the Project will be in compliance with the appropriate Standard Drawings or current MUTCD standards.

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. Traffic Control Devices will conform to current MUTCD.

Reduce the speed limit in work areas to 60 miles per hour and establish double fines for work zone speeding violations. The extent of these areas within the project limits will be restricted to the proximity of actual work areas as determined by the Engineer. Notify the Engineer a minimum of 12 hours prior to using the double fine signs. At the beginning of the work zone, the “WARNING FINE DOUBLED IN WORK ZONE” signs will be dual mounted. At the end of the work zone, the “END DOUBLE FINE” signs will be dual mounted as well. Remove or cover the signs when the highway work zone does not have workers present for more than a two-hour period of time. Payment for the signs will be at the unit bid price for signs erected. Any relocation or covering of the signs will be incidental to Maintain and Control Traffic.

If night work is required on this project, obtain approval from the Engineer for the method of lighting prior to its use.

PROJECT PHASING & CONSTRUCTION PROCEDURES

Phase 1 construction will be for constructing Crossovers 1 and 2 and Slip Ramps 1 and 2 as well as preparing the eastbound Audubon Parkway roadway between Crossovers 1 and 2 for two way traffic. Construction of Crossover 2 and all repairs to the concrete pavement between Crossover 2 and US 60

Ramps C and D is to be performed during a one (1) weekend closure of all ramps at the Audubon Parkway/US 60 interchange. When all **Phase 1** work is completed and with the approval of the Engineer, traffic on westbound Audubon Parkway will be shifted to the inside lane on eastbound Audubon Parkway via Crossover 2. Westbound traffic will continue on the inside lane of eastbound Audubon Parkway through the project to Crossover 1 in Henderson County where it will be shifted back onto the westbound roadway via Crossover 1.

Phase 2 construction will include patching and diamond grinding the existing concrete pavement and milling and overlaying the inside and outside asphalt shoulders on westbound Audubon Parkway from the east end of the bridge over Green River to Crossover No. 2. **Phase 2** will also include closing Ramps C and D at the KY 1554 interchange for nine (9) days to mill and overlay the existing asphalt pavement, remove the existing asphalt wedge curbs and install concrete island header curbs, replace guardrail, place permanent durable waterborne markings, install Type V raised pavement markers and flexible delineators and perform all other work detailed in the Proposal. Both ramps are to be closed during the same nine (9) day closure. **Phase 2A** will be for diamond grinding the concrete pavement and milling and overlaying the outside asphalt shoulders on westbound Audubon Parkway between Crossover No. 2 and US 60 Ramp D. **Phase 2A** will also include closing US 60 Ramp D for nine (9) days and performing all work listed in the proposal for the ramp. **Phase 2B** will be for diamond grinding the concrete pavement and milling and overlaying the asphalt shoulders on westbound Audubon Parkway between Crossover No. 2 and US 60 Ramp B. **Phase 2B** will also include closing US 60 Ramp B for nine (9) days and performing all work listed in the proposal for the ramp.

Phase 3 will be for removing the crossovers and slip ramps constructed in Phase 1 and constructing Crossovers 3 and 4 and Slip Ramps 3 and 4. It also includes removing the tubular markers from the Audubon Parkway eastbound roadway and installing them on the westbound roadway between Crossovers 3 and 4. It also includes all pavement marking adjustments necessary on both roadways. During this phase, traffic will be maintained on the outside lanes of each roadway. When all **Phase 3** work is completed and with the approval of the Engineer, traffic on eastbound Audubon Parkway will be shifted to the inside lane on westbound Audubon Parkway via Crossover 3 in Henderson County. Eastbound traffic will continue on the inside lane of westbound Audubon Parkway through the project to Crossover 4 where it will be shifted back onto the eastbound roadway via Crossover 4.

IF WORK IS TO BE DELAYED BETWEEN THE COMPLETION OF PHASE 2 AND THE BEGINNING OF PHASE 4 BECAUSE OF THE REQUIRED WINTER SHUTDOWN OR ANY OTHER REASON, TRAFFIC IS TO BE RETURNED TO ITS NORMAL TWO LANES IN EACH DIRECTION CONFIGURATION UNTIL THE BEGINNING OF PHASE 4 IS IMMINENT.

Phase 4 construction will include patching and diamond grinding the existing concrete pavement, milling and overlaying the inside and outside asphalt shoulders, replacing guardrail and performing all other work detailed in the Proposal on eastbound Audubon Parkway from the east end of the bridge over Green River to Crossover 4. **Phase 4** will also include closing Ramps A and B at the KY 1554 interchange for nine (9) days to mill and overlay the existing asphalt pavement, remove the existing asphalt wedge curbs and install concrete island header curbs, replace guardrail, place permanent durable waterborne markings, install Type V raised pavement markers and flexible delineators and perform all other work detailed in the Proposal. Both ramps are to be closed during the same nine (9) day closure. **Phase 4A** will be for

diamond grinding the concrete pavement and milling and overlaying the outside asphalt shoulders on eastbound Audubon Parkway between Crossover No. 4 and US 60 Ramp C. **Phase 4A** will also include closing US 60 Ramp C for nine (9) days and performing all work listed in the proposal for the ramp. **Phase 4B** will be for diamond grinding the concrete pavement and milling and overlaying the asphalt shoulders on eastbound Audubon Parkway between Crossover No. 4 and US 60 Ramp A. **Phase 4B** will also include closing US 60 Ramp A for nine (9) days and performing all work listed in the proposal for the ramp.

Phase 5 will be for removing the crossovers and slip ramps constructed in Phase 3. It also includes removing the tubular markers from the Audubon Parkway westbound roadway, adjusting all pavement markings to their permanent configuration and performing all remaining work specified in the Proposal. Traffic will be maintained on the outside lane in each direction during this phase until the Engineer approves returning it to its normal two lanes in each direction configuration. Upon approval of the Engineer, remove all temporary traffic control items from the project area.

All work shown in the proposal must be completed by September 1, 2013. From November 15, 2012 until March 1, 2013, all traffic must be in its normal two lanes in each direction configuration; no lane closures will be permitted.

The Phase 1 weekend closure of all ramps at the Audubon Parkway/US 60 interchange shall begin on a Friday at 7 p.m. and end at 5 a.m. the following Monday. Nine (9) day ramp closures listed in the Traffic Control Plan are to begin on a Friday at 7 p.m. and end at 5 a.m. on the second Monday following the closure (two weekends and one work week). Ramps A and B at the KY 1554 interchange are to be closed during the same 9 day closure period. Similarly, Ramps C and D at the KY 1554 interchange are to be closed during the same 9 day closure period**.** Ramp closure dates must be submitted to the Engineer fourteen (14) days prior to the anticipated closure. Closures will not be permitted until approved by the Engineer.

Work shown in the proposal for the KY 1554 bridge over the Audubon Parkway may be performed at any time during the life of the project except between November 15, 2012 and March 1, 2013. The bridge work is to be performed by reducing traffic to one lane across the bridge and maintaining traffic with the use of temporary signals at each end of the bridge. Locate traffic signals 100’ from each end of the bridge. Refer to Standard Drawing No. TTC-110-02 “Lane Closure Using Traffic Signals” for further details. The contractor will be allowed twenty (20) calendar days to complete all work on the bridge shown in the Bridge Proposal.

Work shown in the proposal for KY 1554 may be performed at any time during the life of the project. However, placement of the asphalt overlay on KY 1554 is not to be performed until after all work on the KY 1554 bridge over the Audubon Parkway is complete. Traffic control on KY 1554 while the roadway work is being performed should be done using lane closures and flaggers.

Liquidated damages will be assessed when the minimum number of lanes is not maintained at the times or dates given or ramps are not opened by the time stipulated in the previous paragraphs. See the “Special Note for Fixed Completion Date and Liquidated Damages” for details.

The clear lane width will be a minimum of 11 feet; however, make provisions for the passage of wide loads up to 16' in width.

Approximate full depth concrete pavement repair locations are listed in the Proposal. The Engineer will determine the exact location at the time of construction. Once removal of pavement at a particular repair location has begun, work continuously within the parameters outlined above to complete the work and eliminate the "hole". Place Type III Barricades immediately in front of pavement removal areas until the new JPC Pavement achieves 3000 PSI compressive strength.

During the days and hours when a lane closure is allowed, maintain traffic as specified in the phasing notes. Any other work not requiring traffic lane widths to be restricted can be done during the remaining hours when the required number of traffic lanes must be maintained. Please refer to the "Special Note for Fixed Completion Date and Liquidated Damages" for damage rates per hour associated with failure to maintain the required number of lanes during the specified time period. Once pavement removal at a site has begun, full depth replacement must be completed within the time a lane closure is allowed. Liquidated Damages, at the rate specified per hour in the "Special Note for Fixed Completion Date and Liquidated Damages", will be assessed for each hour the required number lanes of traffic are not maintained.

The Contractor must notify the Engineer within the following time frames of pending changes in their work schedule which will affect traffic patterns:

- At least fourteen (14) days prior to beginning any phase of construction
- At least five (14) days prior to a ramp closure
- If a decision is made not to close a ramp, notice must be given to the Engineer by Wednesday at noon prior to the proposed closure

Rideability will apply to this project. See the special note for rideability in this proposal.

PHASE 1 – CONSTRUCTION OF CROSSOVERS 1 & 2 AND SLIP RAMPS 1 & 2 AND SHIFTING WESTBOUND TRAFFIC TO EASTBOUND ROADWAY

Reduce traffic to one lane in each direction on the Audubon Parkway by closing the inside lane of traffic and placing barrels at the left edge of the outside lane as shown on the Maintenance of Traffic Typical Sections for Phase 1. Construct Crossover 1 in Henderson County and Slip Ramps 1 and 2 at the KY 1554 interchange as shown on the crossover or slip ramp plan sheet and the crossover and slip ramp typical section. Close Ramps A, B, C and D at the Audubon Parkway/US 60 interchange (eastbound Audubon Parkway traffic must exit at the KY 1554 Ramp A) for one weekend to construct Crossover 2 and perform the concrete pavement repairs listed in the proposal for westbound stations 1281+50 to 1298+32, eastbound stations 1281+00 to 1297+00, and US 60 Ramp D stations 19+12 to 20+04.76 (from Crossover 2 through the gore areas with US 60 Ramps C and D). Diamond grinding, asphalt shoulder milling & overlay and guardrail work are to be performed in a later phase in these areas. Between Crossovers 1 and 2, install tubular markers on the eastbound Audubon Parkway roadway and adjust any

pavement markings for two way traffic. When all Phase 1 work is completed and with the approval of the Engineer, close the outside lane of the westbound Audubon Parkway traffic and open the inside lane by adjusting the traffic barrels placed at the beginning of Phase 1. Use barrels to create a merging taper from US 60 Ramp D to westbound Audubon Parkway following current MUTCD standards. Shift traffic on westbound Audubon Parkway to the inside lane on eastbound Audubon Parkway via Crossover 2. Open Slip Ramps 1 and 2 at the KY 1554 interchange. Open Crossover 1 to shift westbound traffic back onto the westbound roadway in Henderson County.

PHASE 2 - CONCRETE PAVEMENT REPAIR AND DIAMOND GRINDING ON WESTBOUND AUDUBON PARKWAY

On the westbound Audubon Parkway roadway from station 912+12 (east end of Green River bridge) to station 1281+50 (Crossover 2), perform all work listed in the proposal including concrete pavement repairs, diamond grinding, sealing of joints, bridge work, guardrail work and asphalt pavement milling and overlay. Milling and overlay of the shoulders is to be performed after all concrete work in this phase is complete, including diamond grinding.

Simultaneously close Ramp C and D at the KY 1554 interchange and perform all work shown in the proposal for the ramps. All work specified in the Proposal on westbound Audubon Parkway between Slip Ramp 1 and Slip Ramp 2 is to be completed while Ramps C and D are closed.

PHASE 2A – WESTBOUND AUDUBON PARKWAY DIAMOND GRINDING AND ASPHALT SHOULDER MILLING & OVERLAY AND US 60 RAMP D CONSTRUCTION

While maintaining the crossovers and slip ramps constructed in Phase 1, close US 60 Ramp D and use barrels to separate the inside traffic lane of westbound Audubon Parkway from construction activities on the outside lane and ramp from Crossover No. 2 through the gore area with US 60 Ramp D.

Diamond grind the concrete pavement on the outside lane of westbound Audubon Parkway from station 1281+50 to station 1298+32 and US 60 Ramp D station 19+12 to station 20+04.76. Mill and overlay the asphalt outside shoulder on westbound Audubon Parkway and the shoulders on US 60 Ramp D in this area after the concrete work has been completed, including diamond grinding. Perform all remaining work listed in the proposal for US 60 Ramp D while closed.

PHASE 2B – WESTBOUND AUDUBON PARKWAY DIAMOND GRINDING AND ASPHALT SHOULDER MILLING & OVERLAY AND US 60 RAMP B CONSTRUCTION

While maintaining the crossovers and slip ramps constructed in Phase 1, close US 60 Ramp B and use barrels to separate the outside traffic lane of westbound Audubon Parkway and Ramp D from construction activities on the inside lane and Ramp B from Crossover No. 2 through the gore area with US 60 Ramp B.

Diamond grind the inside lane of westbound Audubon Parkway from station 1281+50 to station 1298+32, then mill and overlay the inside shoulders in the same area. Westbound Audubon Parkway from station 1298+92 to US 60 Ramp B and US 60 Ramp B, perform all work listed in the proposal including

concrete pavement repairs, diamond grinding, sealing of joints, guardrail work and asphalt pavement milling and overlay. Milling and overlay of the shoulders is to be performed after all concrete work in this phase is complete, including diamond grinding.

PHASE 3 – CONSTRUCTION OF CROSSOVERS 3 & 4 AND SLIP RAMPS 3 & 4 AND SHIFTING EASTBOUND TRAFFIC TO THE WESTBOUND ROADWAY

Close Crossovers 1 and 2 and Slip Ramps 1 and 2 and shift traffic to the outside lane on its normal roadway as shown on the typical section for Phase 3. Remove any portions of them that will not be used for Crossover 3 and 4 or Slip Ramps 3 and 4. Construct Crossovers 3 and 4 and Slip Ramps 3 and 4.

Relocate the tubular markers from eastbound Audubon Parkway to westbound Audubon Parkway. Change all pavement markings necessary for two way traffic on westbound Audubon Parkway. Shift traffic on eastbound Audubon Parkway to the inside lane on westbound Audubon Parkway via Crossover 3 in Henderson County. Open Slip Ramps 3 and 4 at the KY 1554 interchange. Open Crossover 4 to shift eastbound traffic back onto the eastbound roadway.

PHASE 4 – CONCRETE PAVEMENT REPAIR AND DIAMOND GRINDING ON EASTBOUND AUDUBON PARKWAY

On eastbound Audubon Parkway from station 912+12 (east end of Green River Bridge) to station 1281+00 (Crossover 4) perform the work listed in the proposal including concrete pavement repairs, diamond grinding, sealing of joints, bridge work, guardrail work and asphalt pavement milling and overlay. Milling and overlay of the shoulders is to be performed after all concrete work in this phase is complete, including diamond grinding.

Simultaneously close Ramps A and B at the KY 1554 interchange and perform all work shown in the proposal for the ramps. All work specified in the Proposal on eastbound Audubon Parkway between Slip Ramp 3 and Slip Ramp 4 is to be completed while Ramps A and B are closed.

PHASE 4A - EASTBOUND AUDUBON PARKWAY DIAMOND GRINDING AND OUTSIDE SHOULDER ASPHALT MILLING & OVERLAY AND US 60 RAMP C CONSTRUCTION

While maintaining the crossovers and slip ramps constructed in Phase 3, close US 60 Ramp C and use barrels to separate the inside traffic lane of eastbound Audubon Parkway from construction activities on the outside lane and Ramp C from Crossover No. 4 through the gore area with US 60 Ramp C.

Diamond grind the concrete pavement on the outside lane of eastbound Audubon Parkway from station 1281+00 to station 1297+00. Mill and overlay the asphalt outside shoulder on eastbound Audubon Parkway in this area after the concrete work has been completed, including diamond grinding. Perform all work listed in the proposal for US 60 Ramp C while it is closed.

PHASE 4B - EASTBOUND AUDUBON PARKWAY DIAMOND GRINDING AND INSIDE SHOULDER ASPHALT MILLING & OVERLAY AND US 60 RAMP A CONSTRUCTION

While maintaining the crossovers and slip ramps constructed in Phase 3, close US 60 Ramp A and use barrels to separate the outside traffic lane of eastbound Audubon Parkway from construction activities on the inside lane and Ramp A from Crossover No. 4 through the gore area with US 60 Ramp A.

Diamond grind the concrete pavement on the inside lane of eastbound Audubon Parkway from station 1281+00 to station 1297+00. Mill and overlay the asphalt inside shoulders in the same area after the concrete work has been completed, including diamond grinding. On eastbound Audubon Parkway from station 1297+00 to US 60 Ramp A and US 60 Ramp A, perform all work listed in the proposal including concrete pavement repairs, diamond grinding, sealing of joints, guardrail work and asphalt pavement milling and overlay. Milling and overlay of the shoulders is to be performed after all concrete work in this phase is complete, including diamond grinding.

PHASE 5 – REMOVE CROSSOVERS AND SLIP RAMPS AND RETURN TRAFFIC TO ITS NORMAL LANE CONFIGURATION

Shift eastbound traffic to the outside lane on the eastbound roadway. Leave westbound traffic in the outside lane on the westbound roadway. Remove Crossovers 3 and 4 and Slip Ramps 3 and 4 and remove the tubular markers from the westbound roadway. Adjust all pavement markings to their permanent configuration and perform all remaining work specified in the Proposal. Traffic is to be maintained on the outside lane in each direction during this phase until the Engineer approves returning it to its normal two lanes in each direction configuration. Upon approval of the Engineer, remove all temporary traffic control items from the project area.

TUBULAR MARKERS

The bid item for “TUBULAR MARKER” includes all labor and materials necessary to furnish and install the tubular markers as indicated in the plans. The tubular markers shall consist of a design similar to that of the “safe hit” markers. The bid item “RELOCATE TUBULAR MARKER” shall include all labor and materials necessary to remove and relocate the tubular markers to a subsequent location. No additional compensation will be considered for stockpiling of the markers between phases.

Any markers that are dislodged or damaged by the traveling public shall be reinstalled or repaired within 24 hours of the incident. This reinstallation or repair of dislodged or damaged tubular markers shall be incidental to “MAINTAIN AND CONTROL TRAFFIC”.

PERMANENT STRIPING

After all other work is completed, place permanent striping. Mobile operations may be utilized. In addition to diamond ground areas, place permanent striping on bridge decks and asphalt pavement within the project limits.

LANE CLOSURES

Limit the lengths of lane closures to only that needed for actual operations in accordance with the phasing specified herein, or as directed by the Engineer. Contrary to Section 112, lane closures will NOT be measured for payment, but are considered incidental to Maintain and Control Traffic.

All ramp access is to be maintained except when the ramp is closed.

SIGNS

Additional traffic control signs in addition to normal lane closure signing detailed on the Standard Drawings may be required by the Engineer. Additional signs needed for lane closures may include, but are not limited to, dual mounted TRUCKS USE LEFT/RIGHT LANE, LEFT/RIGHT LANE CLOSED 1 MILE, LEFT/RIGHT LANE CLOSED 2 MILE, LEFT/RIGHT LANE CLOSED 3 MILE, SLOWED/STOPPED TRAFFIC AHEAD. Signage for reduced speed limits and double fine work zones will be furnished, relocated, and maintained by the Contractor.

Contrary to Section 112, 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 or signs directed to be replaced by the Engineer due to poor legibility or reflectivity will not be measured for payment.

A quantity of signs has been included for lane shifts, “Roadwork Ahead” signs on entrance ramps, and extra Double Fine signs and Speed Limit signs between interchanges to be paid only once no matter how many times they are moved or relocated.

FLASHING ARROWS

Flashing arrows will be paid for once, no matter how many times they are moved or relocated.

PORTABLE CHANGEABLE MESSAGE SIGNS

Provide portable changeable message signs in advance of and within the project at locations to be determined by the Engineer. If work is in progress concurrently in both directions provide additional portable changeable message signs. Place portable changeable message signs one mile in advance of the anticipated queue at each lane closure. As the actual queue lengthens and/or shortens, relocate or provide additional portable changeable message signs so that traffic has warning of slowed or stopped traffic at least one mile but not more than two miles before reaching the end of the actual queue. The locations designated may vary as the work progresses. The messages required to be provided will be designated by the Engineer. The portable changeable message signs will be in operation at all times. In the event of damage or mechanical/electrical failure, the Contractor will repair or replace the portable changeable message sign immediately. Portable changeable message signs will be paid for once, no matter how many times they are moved or relocated. The Department WILL NOT take possession of the signs upon completion of the work.

TRUCK MOUNTED ATTENUATORS

Furnish and install MUTCD approved Truck Mounted Attenuators in advance of work areas when workers are present less than 12 feet from traffic. If there is less than 500 feet between work sites, only a single TMA will be required at a location as directed by the Engineer. Locate the TMAs at the individual work sites and move them as the work zone moves within the project limits. All details of the TMA installations will be approved by the Engineer. Truck Mounted Attenuators will not be measured for payment, but are incidental to Maintain and Control Traffic. The Department WILL NOT take possession of the TMAs upon completion of the work.

CONTRACTOR'S AND CONTRACTOR'S EMPLOYEE'S VEHICLES

Do not use or allow employees to use median crossovers at any time except when inside lanes are closed for Phases 1, 3 & 5 construction. In all other phases of construction, change vehicular direction of travel only at interchanges.

PAVEMENT MARKINGS & RAISED PAVEMENT MARKERS

If lane closures are in place during nighttime hours, remove or cover, by method approved by the Engineer, the lenses of raised pavement markers that do not conform to the traffic control scheme in use, or as directed by the Engineer. Replace or uncover lenses before a closed lane is reopened to traffic. Prior to utilizing the crossovers to create two-way traffic in either the eastbound or westbound direction, remove or cover, by a method approved by the Engineer, the lenses of the raised pavement markers in the center of the roadway under traffic. No direct payment will be made for removing and replacing or covering and uncovering the lenses, but will be incidental to "Maintain and Control Traffic". Permanent markers that are damaged during maintenance of traffic will be replaced at the Contractor’s cost.

Voids created from removing the existing raised pavement markers are to be filled prior to allowing traffic on them. The patching material to be used and all work involved in patching the voids created by removing the existing pavement markers are incidental to the pavement marker removal bid item. See the “Special Note for Removing Existing Type V Raised Pavement Markers on Portland Cement Pavement” for details.

Place temporary and permanent striping in accordance with Section 112, except that:

1. Temporary and permanent striping will be 6 inches wide
2. If the Contractor's operations or phasing requires temporary markings which must be subsequently removed from the ultimate pavement, an approved removable lane tape will be used. Estimated quantities of the three colors of removable lane tape are included as bid items but will only be used if approved by the Engineer.
3. Edge lines will be required for temporary striping
4. Existing, temporary, or permanent striping will be in place before a lane is opened to traffic
5. Permanent striping will be Durable Waterborne Marking

PAVEMENT EDGE DROP-OFFS

Pavement edge drop-offs will be protected by a lane or shoulder closure. Lane closures will be protected with plastic drums, vertical panels, or barricades as shown on the Standard Drawings. It may be necessary to saw or excavate small areas in an adjacent lane to allow room for forms to pour a new slab to the proper grade. Any hole will be filled with DGA when adjacent to traffic or there exists a possibility that a vehicle may drop a wheel into the hole.

TRAFFIC COORDINATOR

Designate an employee to be Traffic Coordinator. The designated Traffic Coordinator must be certified by the American Traffic Safety Services Association (ATSSA). The Traffic Coordinator will inspect the project maintenance of traffic once every two hours during the Contractor's operations and at any time a lane closure is in place. The Traffic Coordinator will report all incidents throughout the work zone to the Engineer on the project. The Contractor will furnish the name and telephone number where the Traffic Coordinator can be contacted at all times.

During any period when a lane closure or traffic control device is in place, the Traffic Coordinator will arrange for personnel to be present on the project at all times to inspect the traffic control, maintain the signing and devices, and relocate variable message boards as queue lengths change. The personnel will have access on the project to a radio or telephone to be used in case of emergencies or accidents.

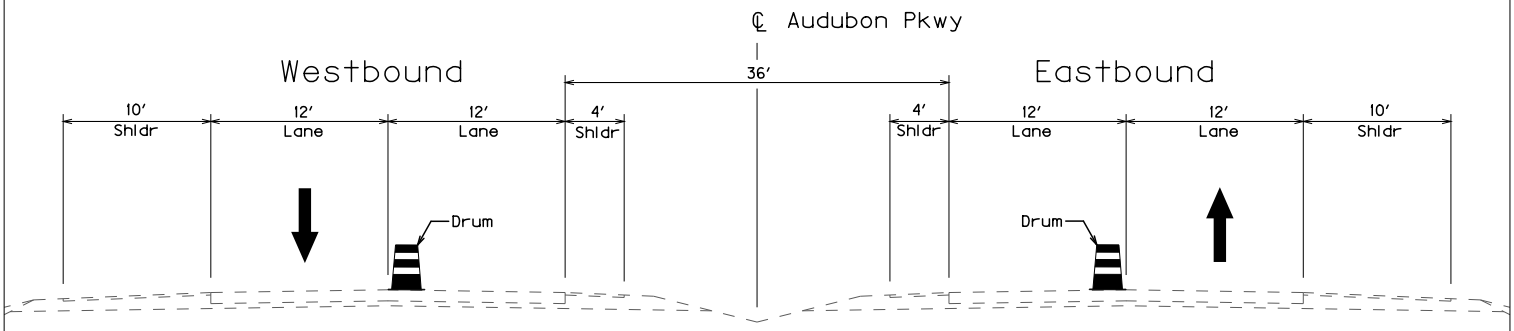
COORDINATION OF WORK

The Contractor is advised that other projects may be in progress within or in the near vicinity of this project. The traffic control of those projects may affect this project and the traffic control of this project may affect those projects. The Contractor will coordinate the work on this project with the work of the other contractors. The Department may call in Drain Cleaners on contract to clean curb box inlets and drop boxes while lane closures are in place.

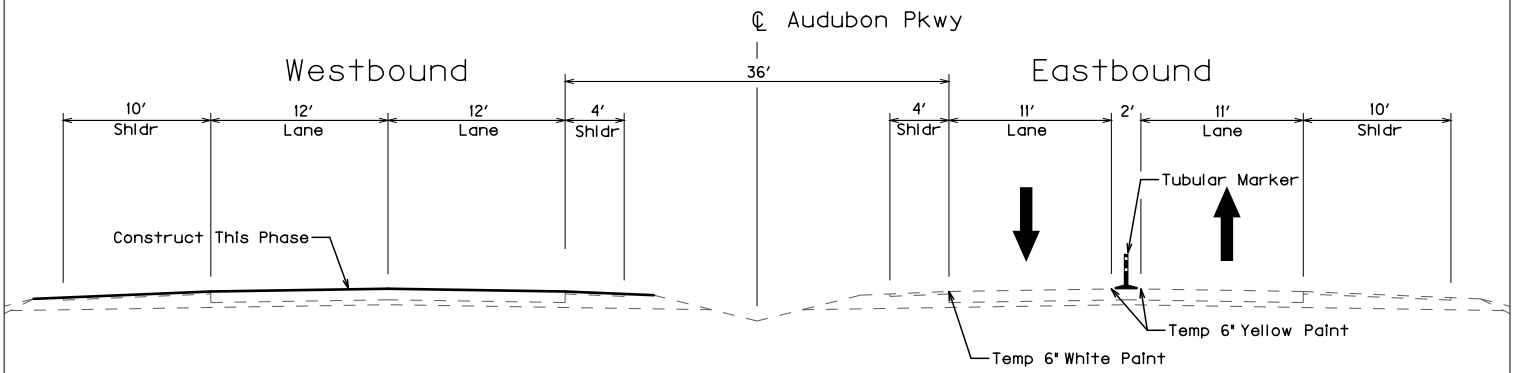
RAMP CLOSURES, LANE CLOSURES AND LANE SHIFTS

All lane closures, lane shifts and tapers shall be in accordance with the standard drawings or the Manual of Uniform Traffic Control Devices (M.U.T.C.D.). Any ramp closure, lane closure or lane shift must be approved by the Engineer prior to the closure or lane shift. The Contractor must notify the Engineer at least five (5) days prior to any proposed closure or traffic pattern shift.

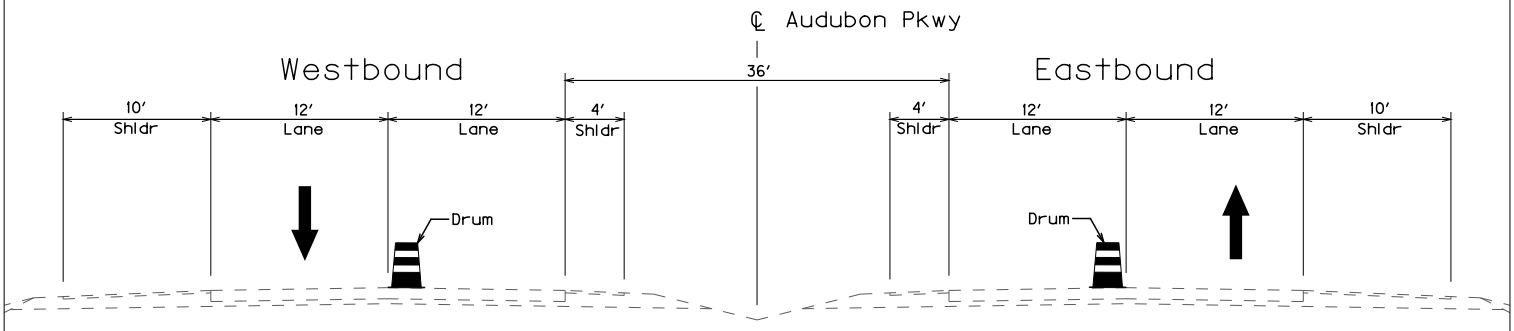
MAINTENANCE OF TRAFFIC TYPICAL SECTIONS



Phase 3



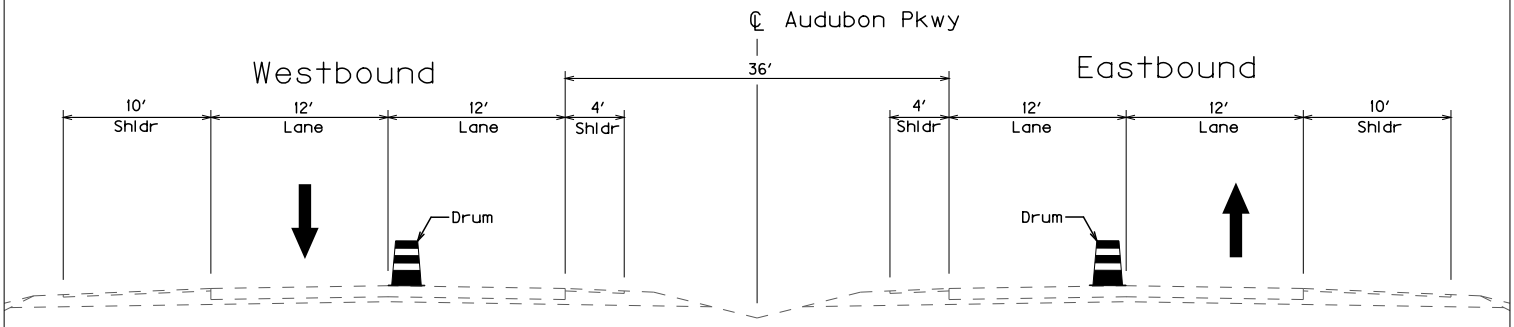
Phase 2



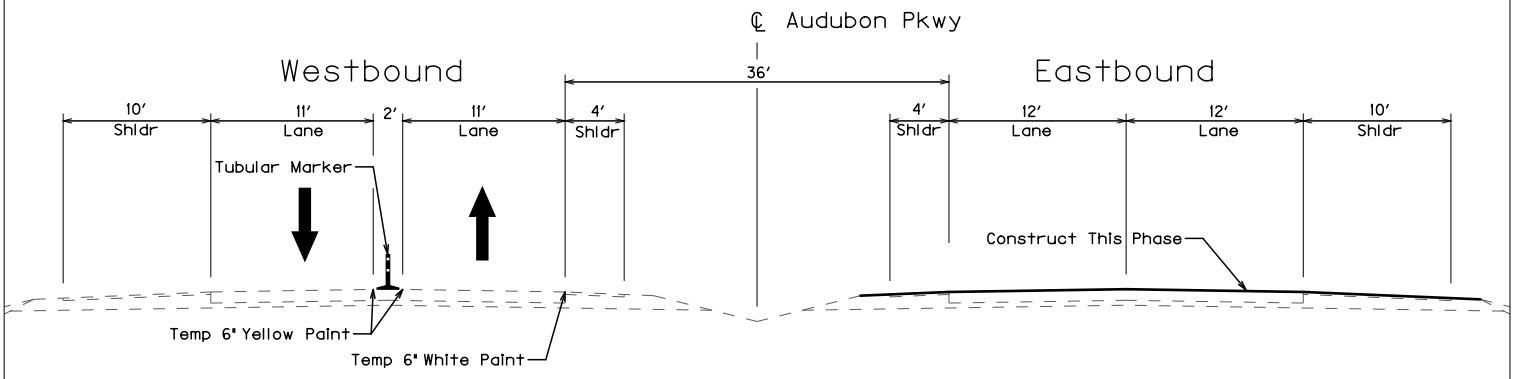
Phase 1

Not To Scale

MAINTENANCE OF TRAFFIC TYPICAL SECTIONS

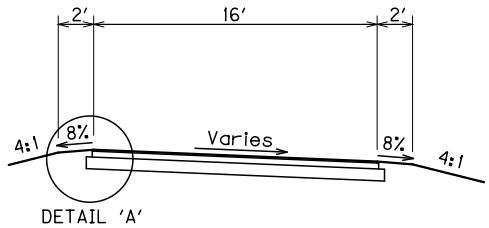


Phase 5

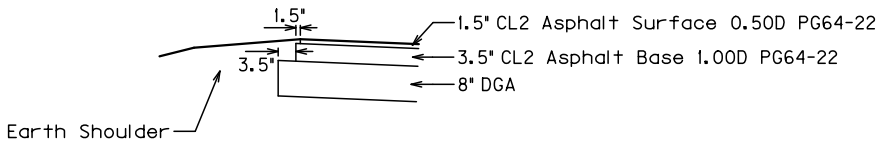


Phase 4

CROSSOVER AND SLIP RAMP TYPICAL SECTION



DETAIL 'A'

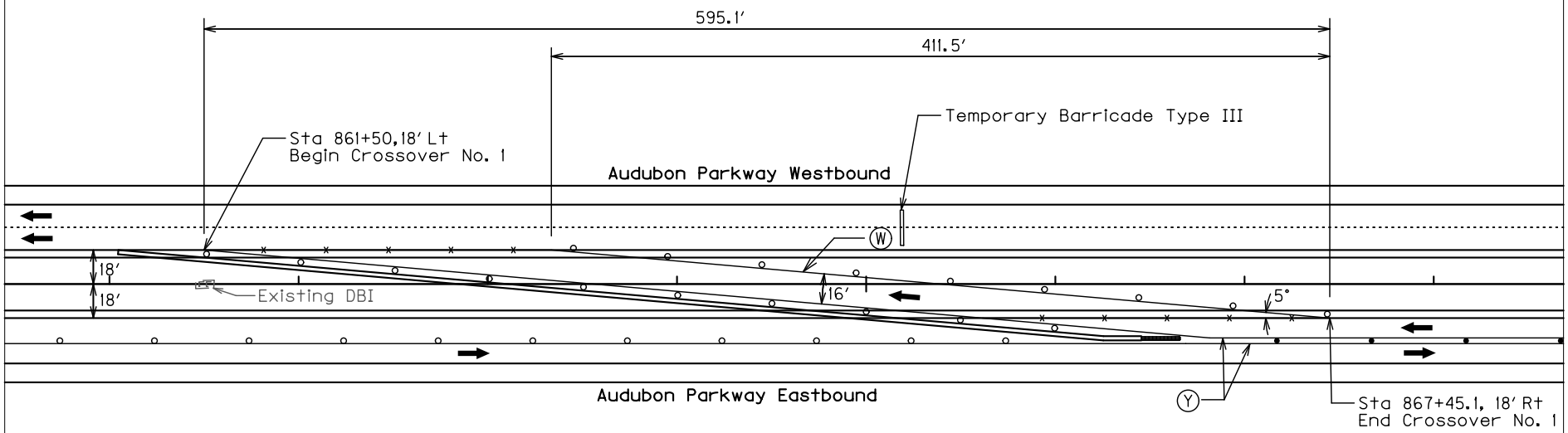


DETAIL 'A'

Not To Scale

TEMPORARY MEDIAN CROSSOVER NO. 1

865+00



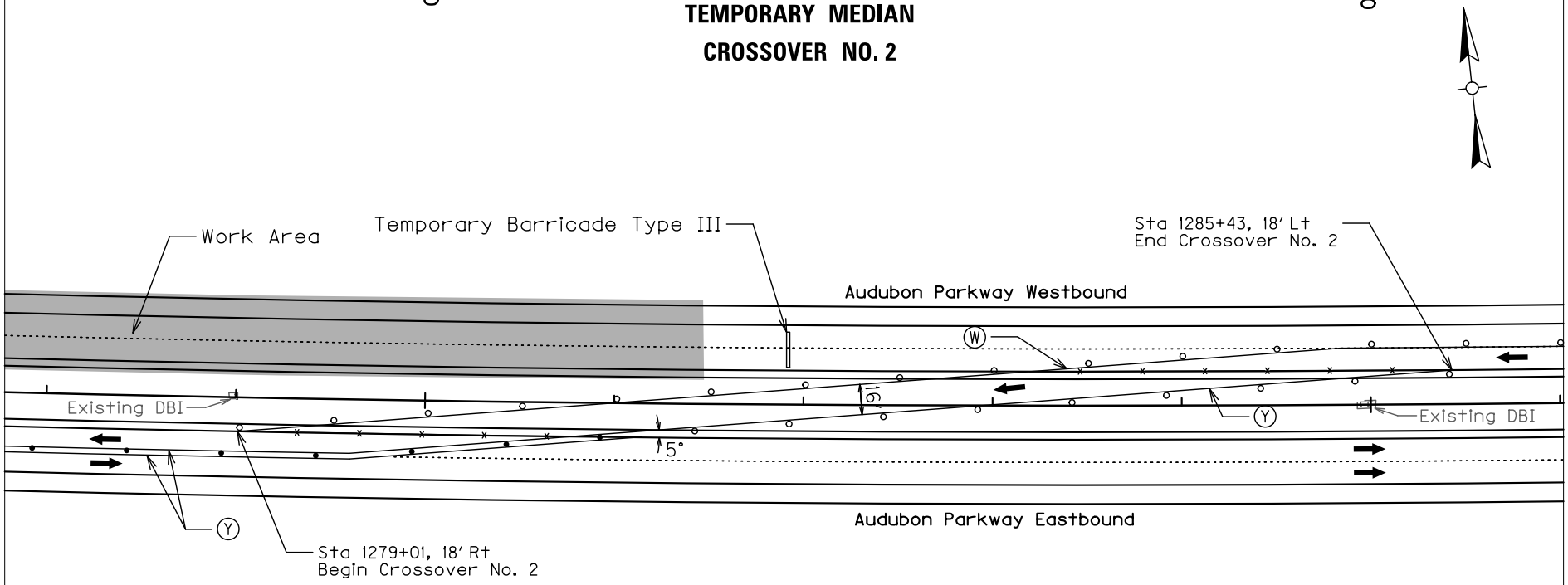
NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Crossover (Payment Will Be Incidental To The Bid Item "Median Crossover".
2. The Crossover Pavement Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Install Temporary Pavement Markers Type IV A - Mono-Directional At 20′ Intervals Along Both Edge Lines For The Limits Of The Crossover.
4. Grade To Drain.
5. Location Of Crossover May Be Adjusted With The Approval Of The Engineer.
6. Bid Item "Median Crossover" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Crossover.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ○ Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

TEMPORARY MEDIAN CROSSOVER NO. 2



NOTES:

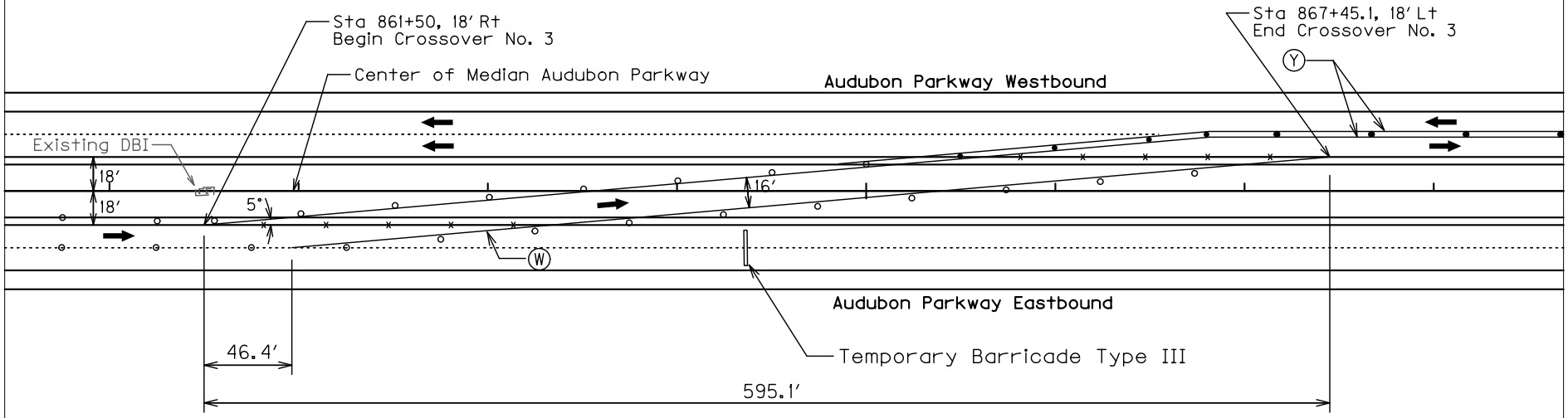
1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Crossover (Payment Will Be Incidental To The Bid Item "Median Crossover".
2. The Crossover Pavement Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Install Temporary Pavement Markers Type IV A - Mono-Directional At 20' Intervals Along Both Edge Lines For The Limits Of The Crossover.
4. Grade To Drain.
5. Bid Item "Median Crossover" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Crossover.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- Tubular Markers
- Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

TEMPORARY MEDIAN CROSSOVER NO. 3

865+00



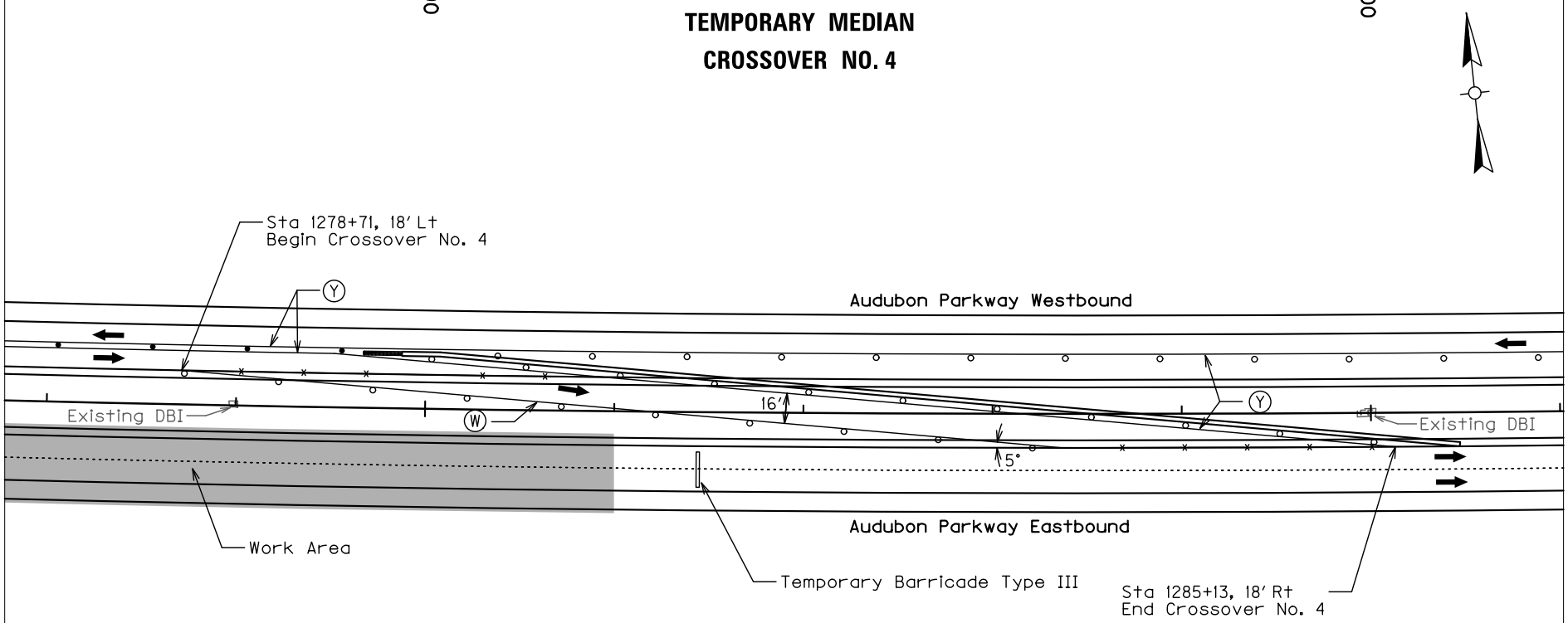
NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Crossover (Payment Will Be Incidental To The Bid Item "Median Crossover".
2. The Crossover Pavement Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Install Temporary Pavement Markers Type IV A - Mono-Directional At 20' Intervals Along Both Edge Lines For The Limits Of The Crossover.
4. Grade To Drain.
5. Location Of Crossover May Be Adjusted With The Approval Of The Engineer.
6. Bid Item "Median Crossover" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Crossover.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ○ Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

TEMPORARY MEDIAN CROSSOVER NO. 4



NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Crossover (Payment Will Be Incidental To The Bid Item "Median Crossover".
2. The Crossover Pavement Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Install Temporary Pavement Markers Type IV A - Mono-Directional At 20' Intervals Along Both Edge Lines For The Limits Of The Crossover.
4. Grade To Drain.
5. Bid Item "Median Crossover" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Crossover.

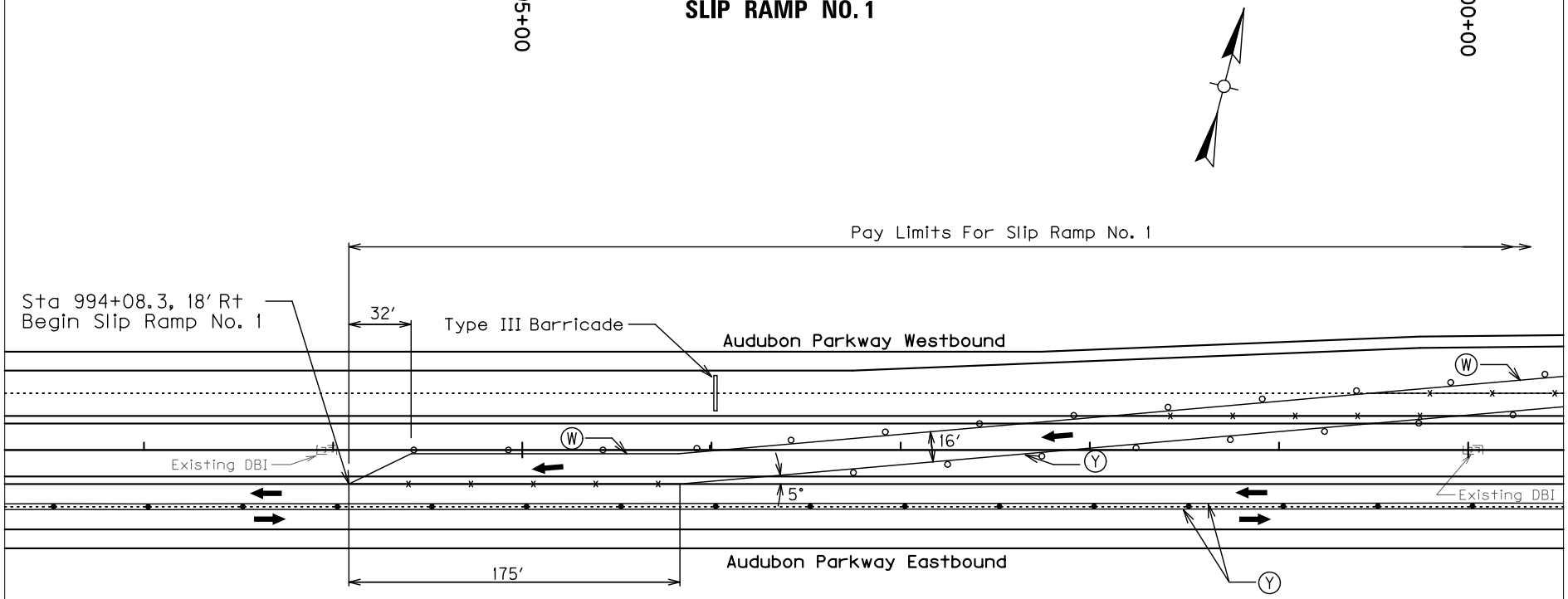
LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ○ Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

995+00

SLIP RAMP NO. 1

1000+00



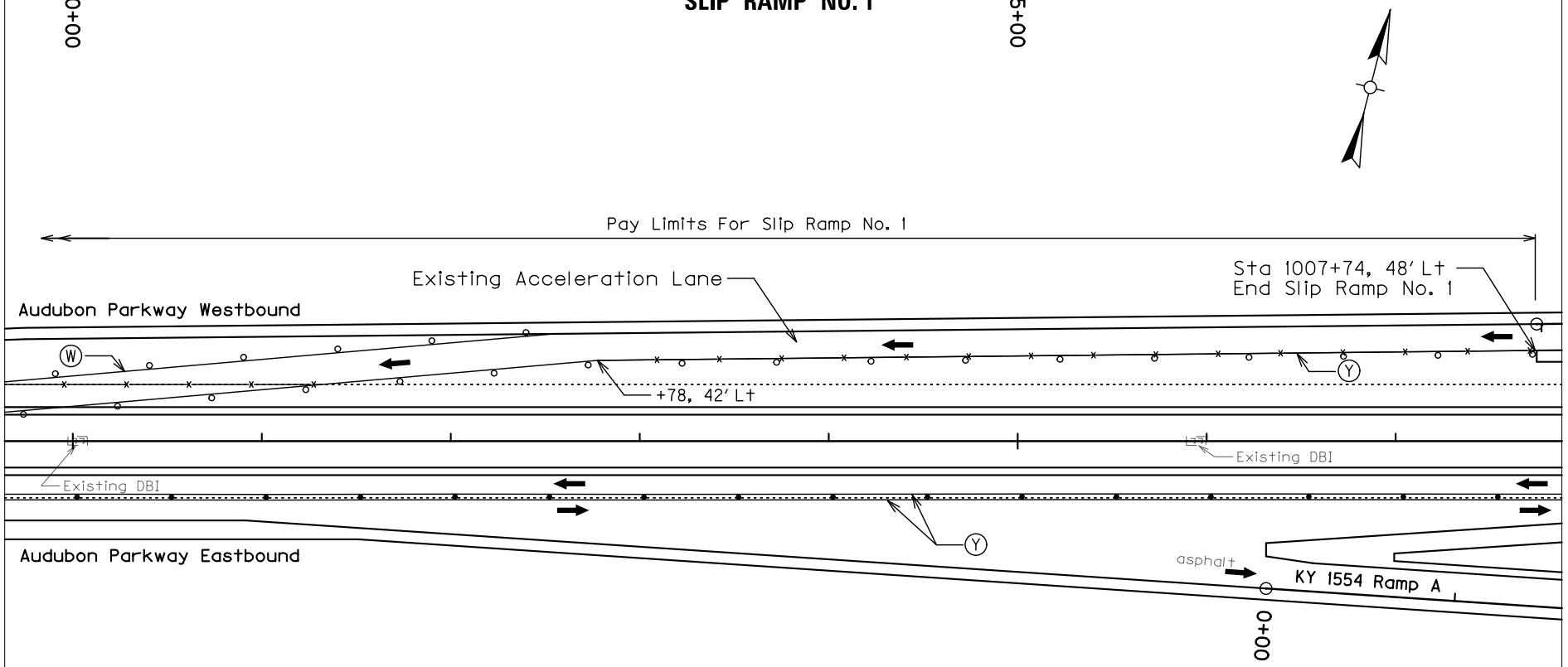
NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Slip Ramp (Payment Will Be Incidental To The Bid Item "Slip Ramp".
2. The Slip Ramp Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Refer To MUTCD Drawings 6H-40 to 6H-41 For Striping And Signing Of Slip Ramps.
4. Grade To Drain.
5. Bid Item "Slip Ramp" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Slip Ramp.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- Tubular Markers
- Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

SLIP RAMP NO. 1



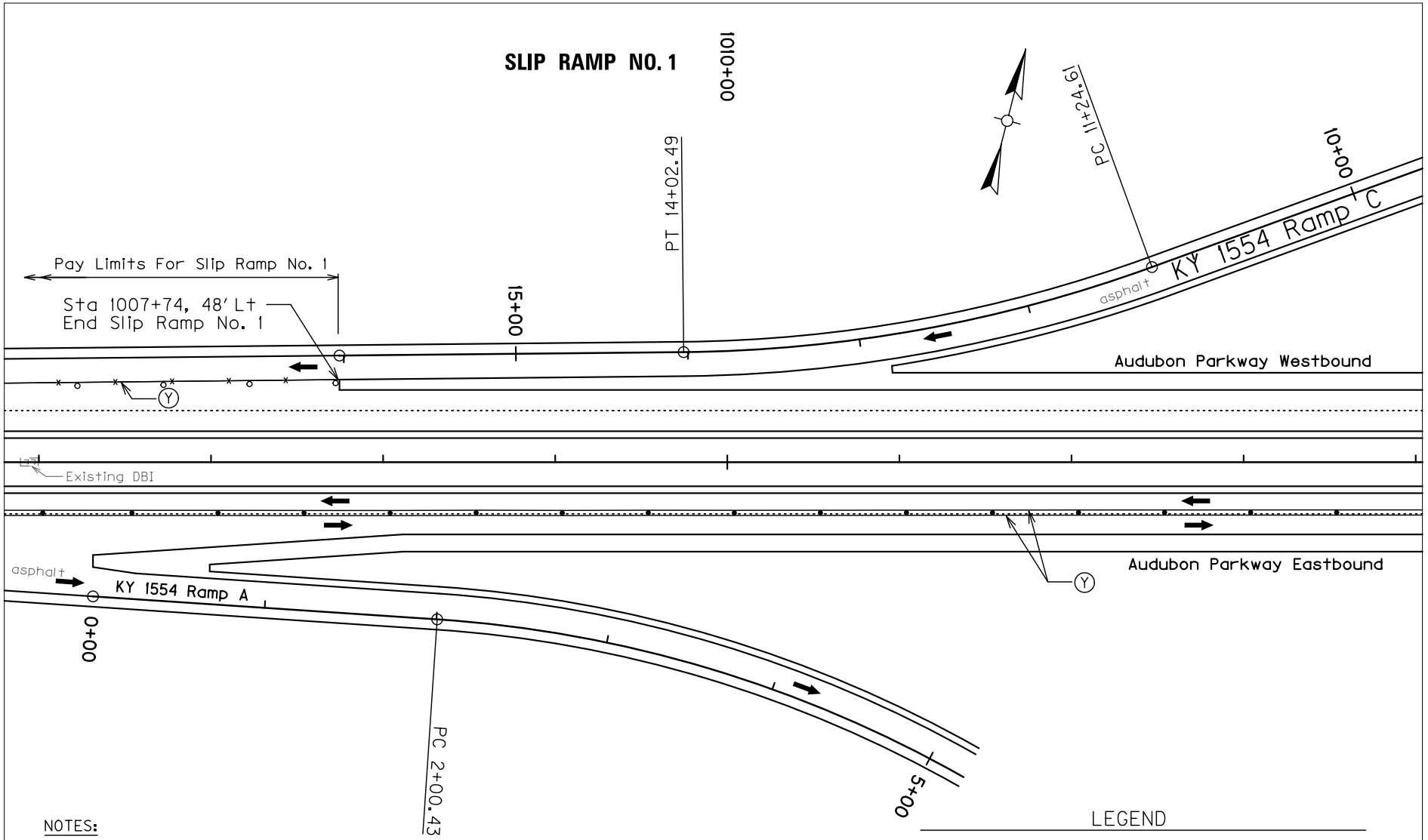
NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Slip Ramp (Payment Will Be Incidental To The Bid Item "Slip Ramp".
2. The Slip Ramp Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Refer To MUTCD Drawings 6H-40 to 6H-41 For Striping And Signing Of Slip Ramps.
4. Grade To Drain.
5. Bid Item "Slip Ramp" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Slip Ramp.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ○ Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

SLIP RAMP NO. 1



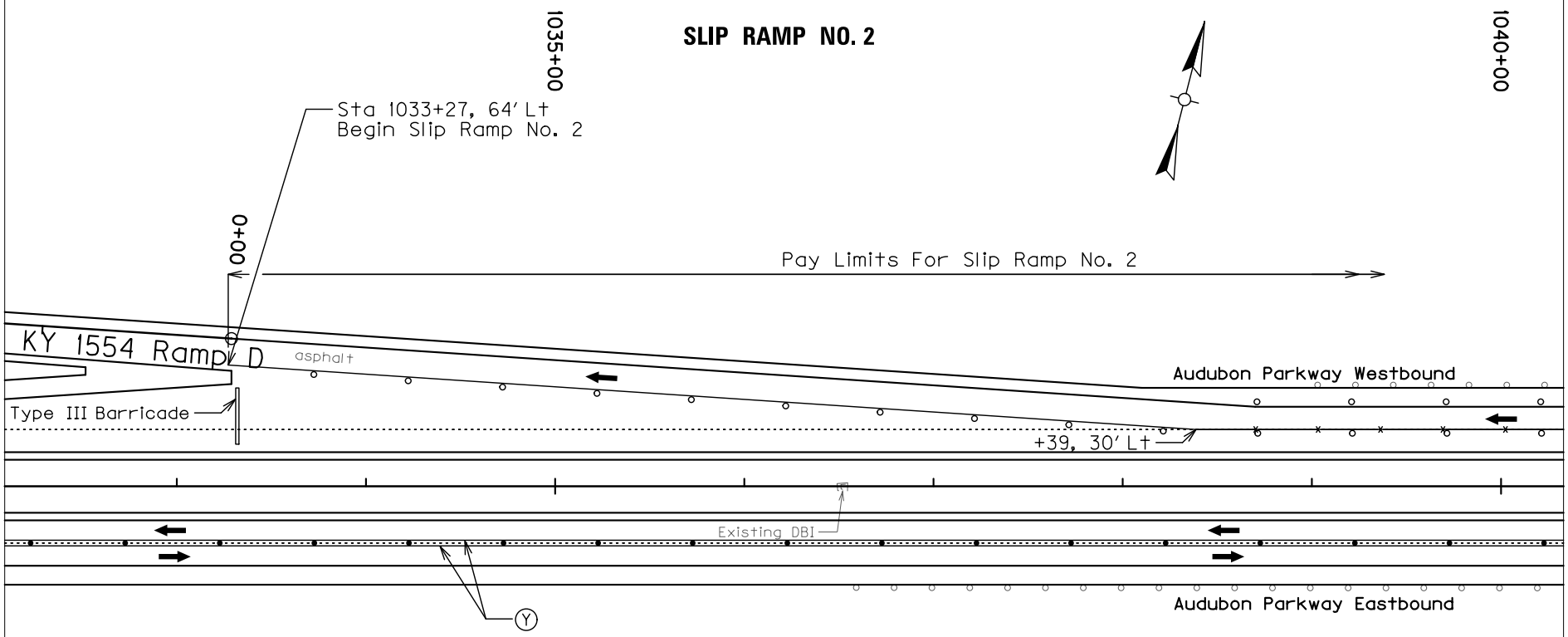
NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Slip Ramp (Payment Will Be Incidental To The Bid Item "Slip Ramp".
2. The Slip Ramp Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Refer To MUTCD Drawings 6H-40 to 6H-41 For Striping And Signing Of Slip Ramps.
4. Grade To Drain.
5. Bid Item "Slip Ramp" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Slip Ramp.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ◦ Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

SLIP RAMP NO. 2



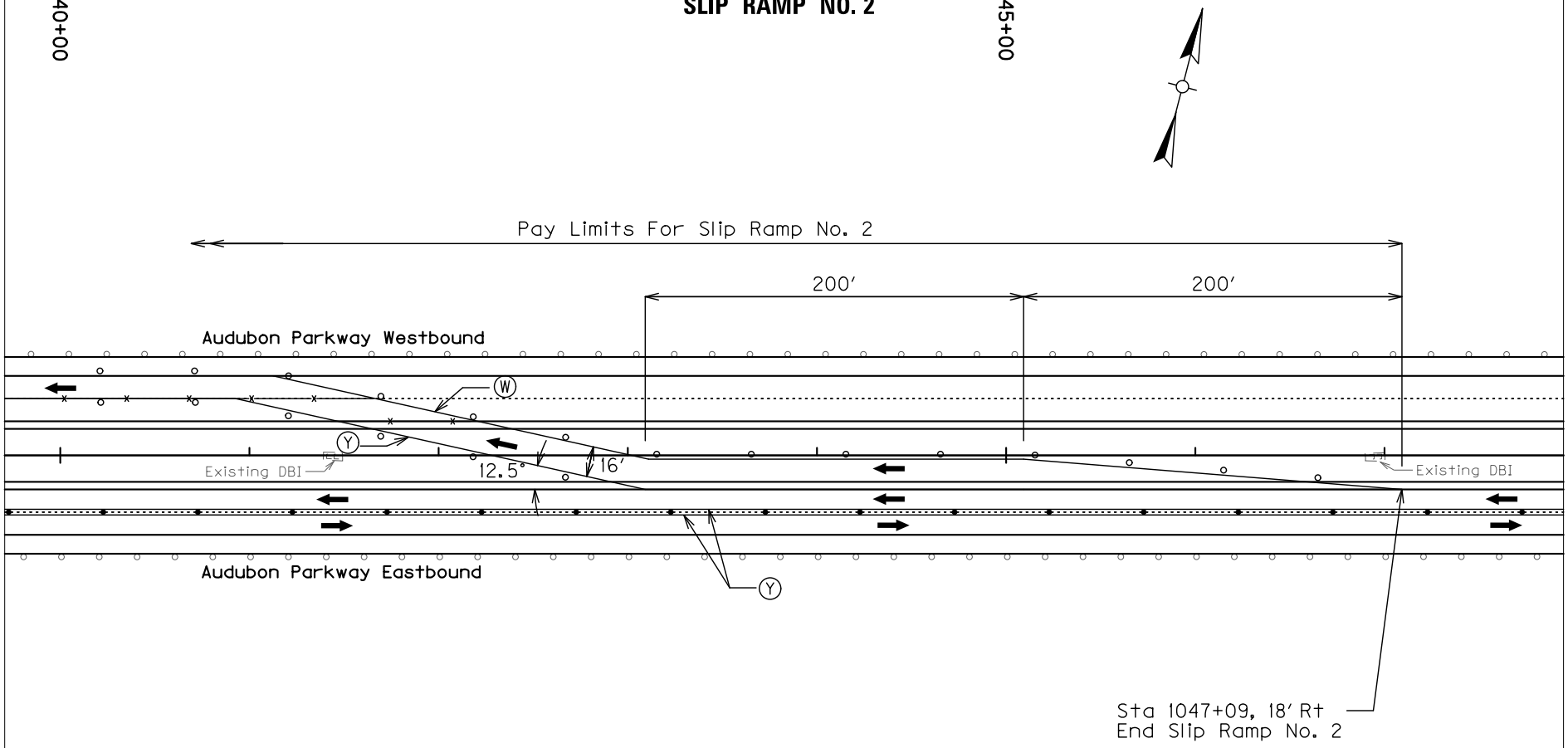
NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Slip Ramp (Payment Will Be Incidental To The Bid Item "Slip Ramp".
2. The Slip Ramp Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Refer To MUTCD Drawings 6H-40 to 6H-41 For Striping And Signing Of Slip Ramps.
4. Grade To Drain.
5. Bid Item "Slip Ramp" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Slip Ramp.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ○ Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

SLIP RAMP NO. 2



NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Slip Ramp (Payment Will Be Incidental To The Bid Item "Slip Ramp".
2. The Slip Ramp Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Refer To MUTCD Drawings 6H-40 to 6H-41 For Striping And Signing Of Slip Ramps.
4. Grade To Drain.
5. Bid Item "Slip Ramp" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Slip Ramp.

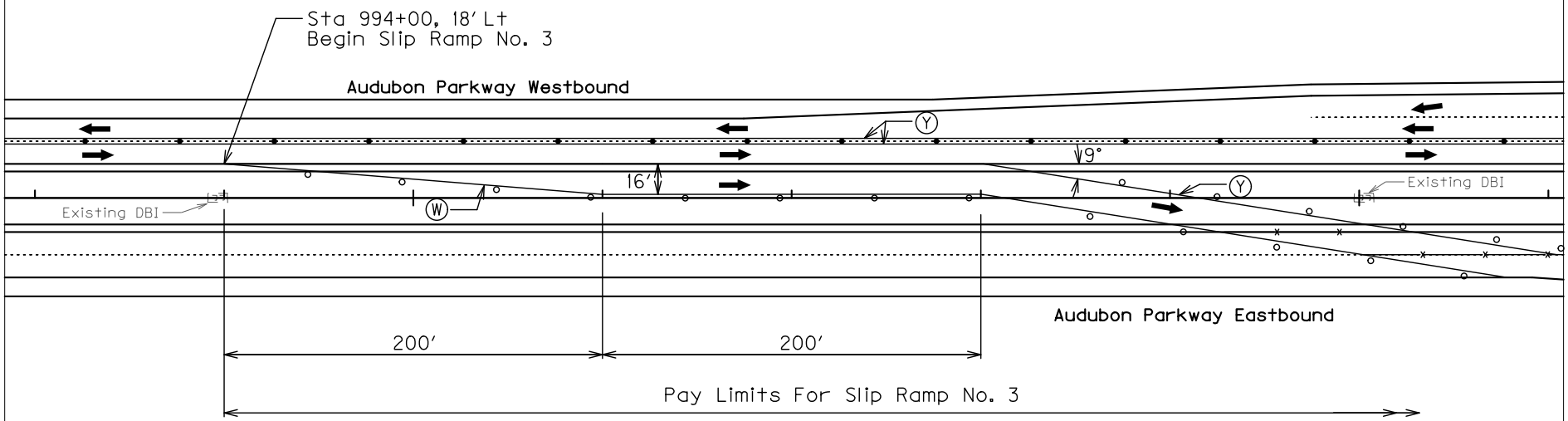
LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- Tubular Markers
- Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

SLIP RAMP NO. 3

995+00

1000+00



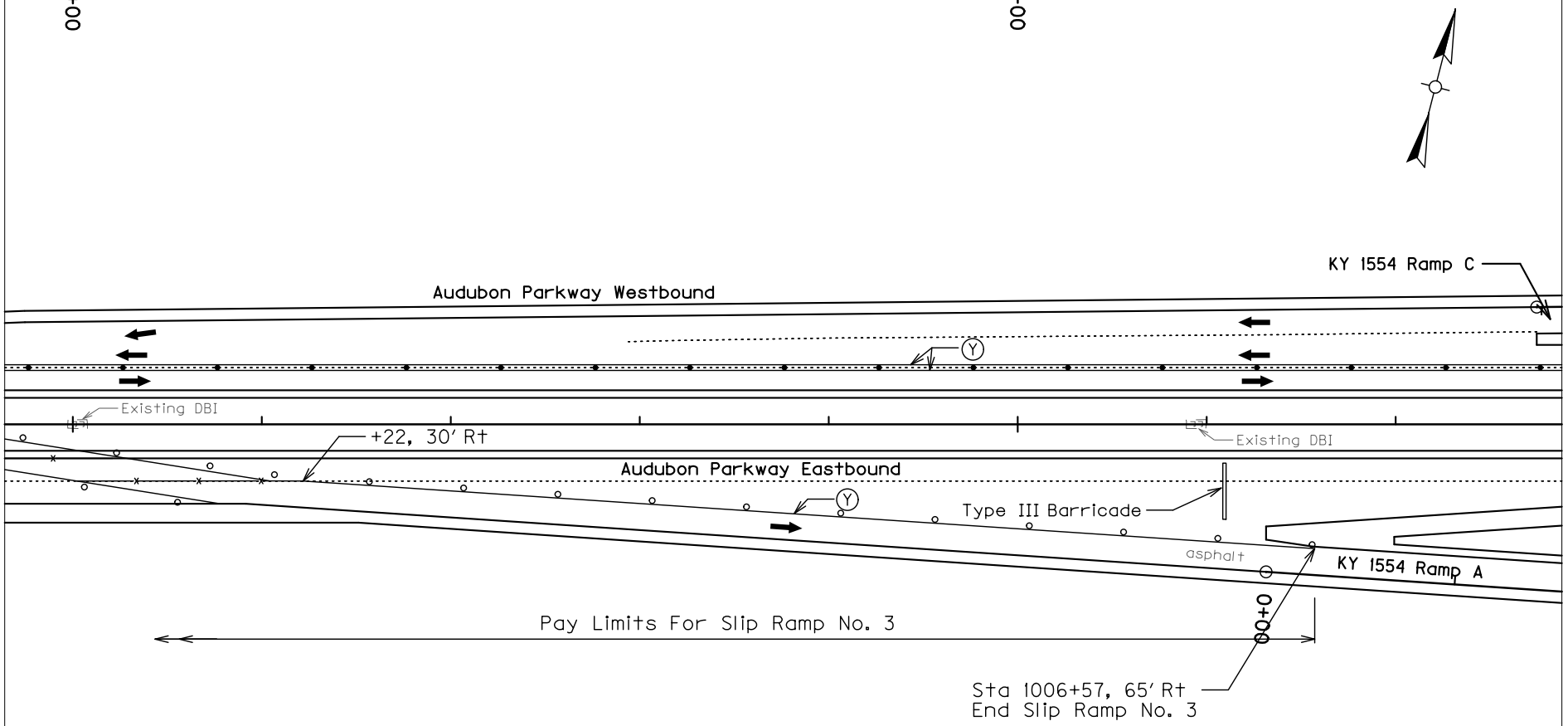
NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Slip Ramp (Payment Will Be Incidental To The Bid Item "Slip Ramp".
2. The Slip Ramp Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Refer To MUTCD Drawings 6H-40 to 6H-41 For Striping And Signing Of Slip Ramps.
4. Grade To Drain.
5. Bid Item "Slip Ramp" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Slip Ramp.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ○ Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

SLIP RAMP NO. 3



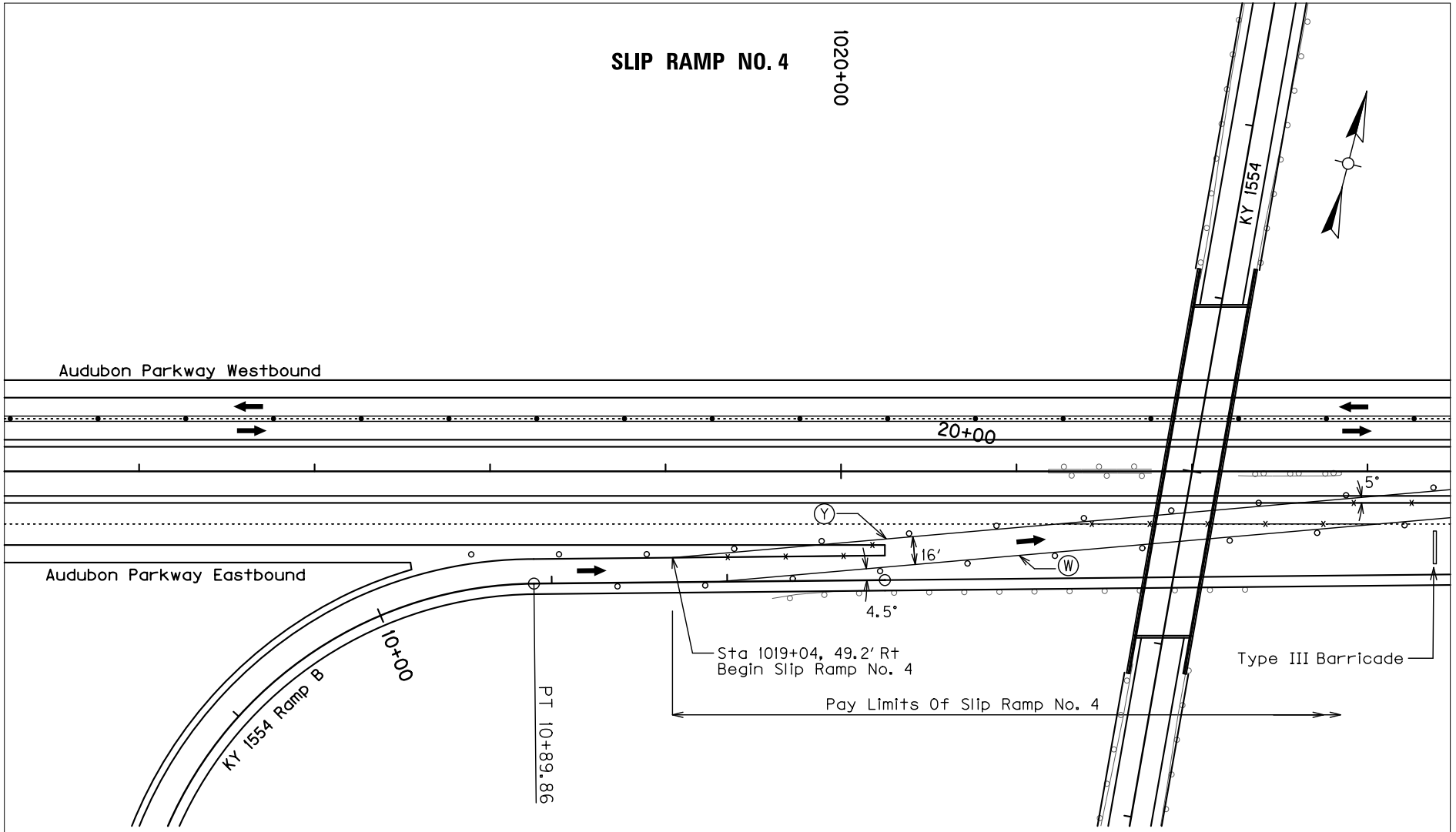
NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Slip Ramp (Payment Will Be Incidental To The Bid Item "Slip Ramp".
2. The Slip Ramp Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Refer To MUTCD Drawings 6H-40 to 6H-41 For Striping And Signing Of Slip Ramps.
4. Grade To Drain.
5. Bid Item "Slip Ramp" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Slip Ramp.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ○ Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

SLIP RAMP NO. 4



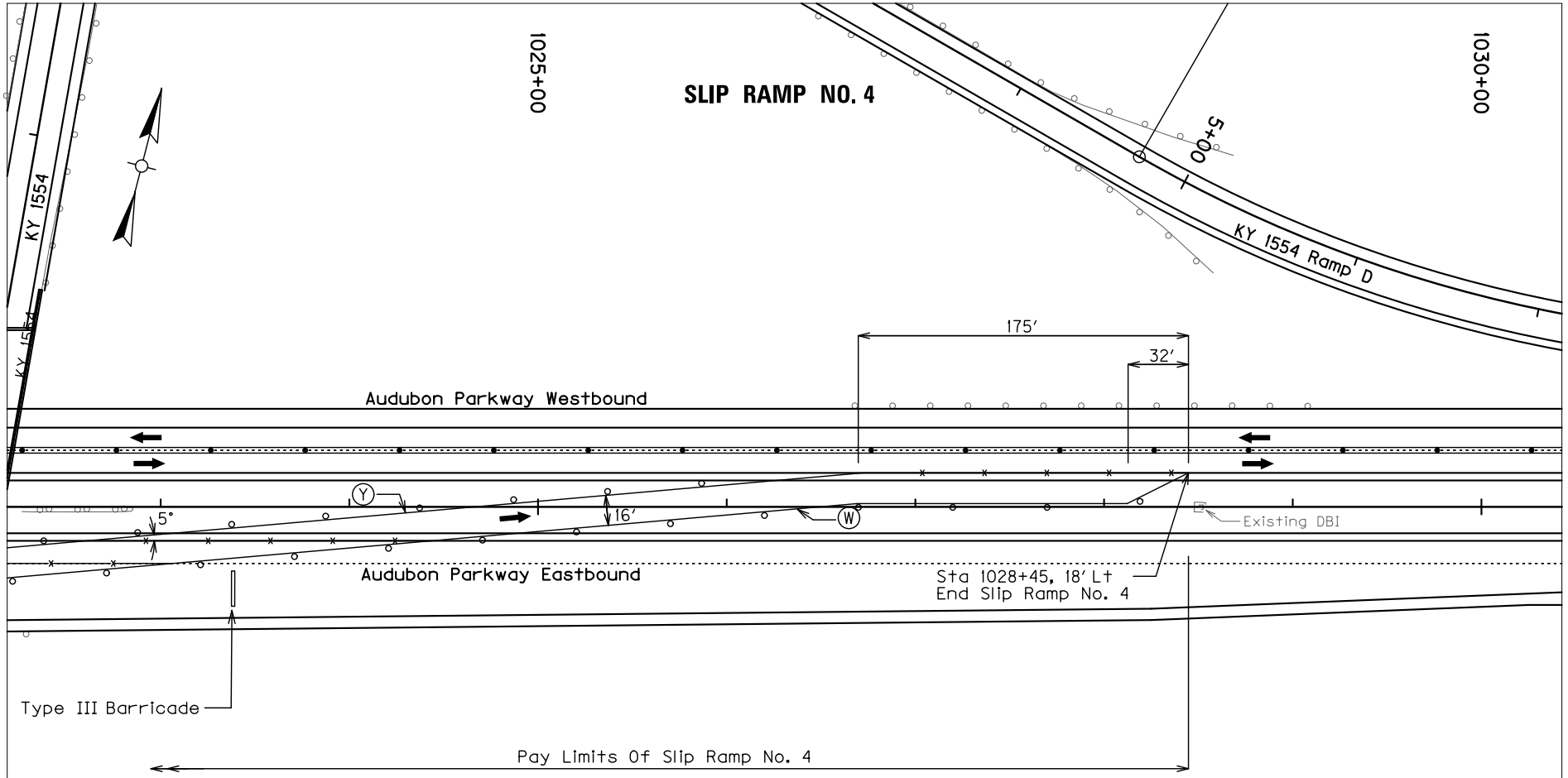
NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Slip Ramp (Payment Will Be Incidental To The Bid Item "Slip Ramp".
2. The Slip Ramp Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Refer To MUTCD Drawings 6H-40 to 6H-41 For Striping And Signing Of Slip Ramps.
4. Grade To Drain.
5. Bid Item "Slip Ramp" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Slip Ramp.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ○ Drums
- (W) Temporary Striping - Paint, White, 6 Inch
- (Y) Temporary Striping - Paint, Yellow, 6 Inch

SLIP RAMP NO. 4



NOTES:

1. When Required To Maintain Median Drainage, A 15" Pipe Shall Be Placed At The Centerline Of The Median Under The Slip Ramp (Payment Will Be Incidental To The Bid Item "Slip Ramp".
2. The Slip Ramp Shall Be Constructed So As To Provide Proper Drainage Of The Surface Water.
3. Refer To MUTCD Drawings 6H-40 to 6H-41 For Striping And Signing Of Slip Ramps.
4. Grade To Drain.
5. Bid Item "Slip Ramp" Shall Include All Incidentals Necessary To Accomplish This Work Including Pavement Markings And Striping, Pavement, Any Necessary Drainage, And Removal Of Slip Ramp.

LEGEND

- Type III Barricade
- Crash Cushion
- Temporary Barrier Wall Type 9T
- Remove Existing Pavement Marking
- • Tubular Markers
- ○ Drums
- Ⓦ Temporary Striping - Paint, White, 6 Inch
- Ⓨ Temporary Striping - Paint, Yellow, 6 Inch

Notes for Figure 6H-39—Typical Application 39
Median Crossover on a Freeway

Standard:

1. **Channelizing devices or temporary traffic barriers shall be used to separate opposing vehicular traffic.**
2. **An arrow board shall be used when a freeway lane is closed. When more than one freeway lane is closed, a separate arrow board shall be used for each closed lane.**

Guidance:

3. *For long-term work on high-speed, high-volume highways, consideration should be given to using a temporary traffic barrier to separate opposing vehicular traffic.*

Option:

4. When a temporary traffic barrier is used to separate opposing vehicular traffic, the Two-Way Traffic, Do Not Pass, KEEP RIGHT, and DO NOT ENTER signs may be eliminated.
5. The alignment of the crossover may be designed as a reverse curve.

Guidance:

6. *When the crossover follows a curved alignment, the design criteria contained in the AASHTO "Policy on the Geometric Design of Highways and Streets" (see Section 1A.11) should be used.*
7. *When channelizing devices have the potential of leading vehicular traffic out of the intended traffic space, the channelizing devices should be extended a distance in feet of 2.0 times the speed limit in mph beyond the downstream end of the transition area as depicted.*
8. *Where channelizing devices are used, the Two-Way Traffic signs should be repeated every 1 mile.*

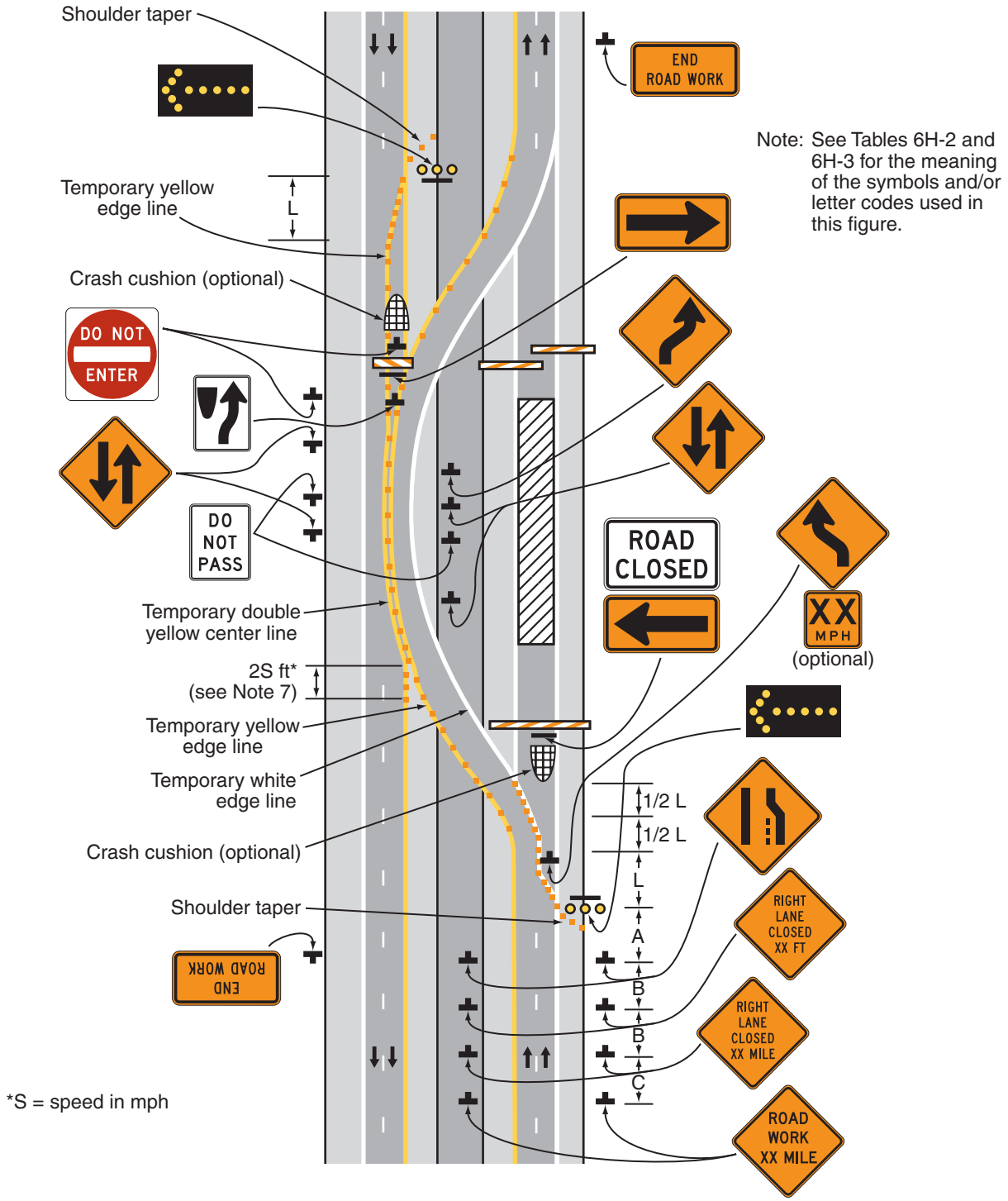
Option:

9. NEXT XX MILES Supplemental Distance plaques may be used with the Two-Way Traffic signs, where XX is the distance to the downstream end of the two-way section.

Support:

10. When the distance is sufficiently short that road users entering the section can see the downstream end of the section, they are less likely to forget that there is opposing vehicular traffic.
11. The sign legends for the four pairs of signs approaching the lane closure for the non-crossover direction of travel are not shown. They are similar to the series shown for the crossover direction, except that the left lane is closed.

Figure 6H-39. Median Crossover on a Freeway (TA-39)



Typical Application 39

Notes for Figure 6H-40—Typical Application 40 Median Crossover for an Entrance Ramp

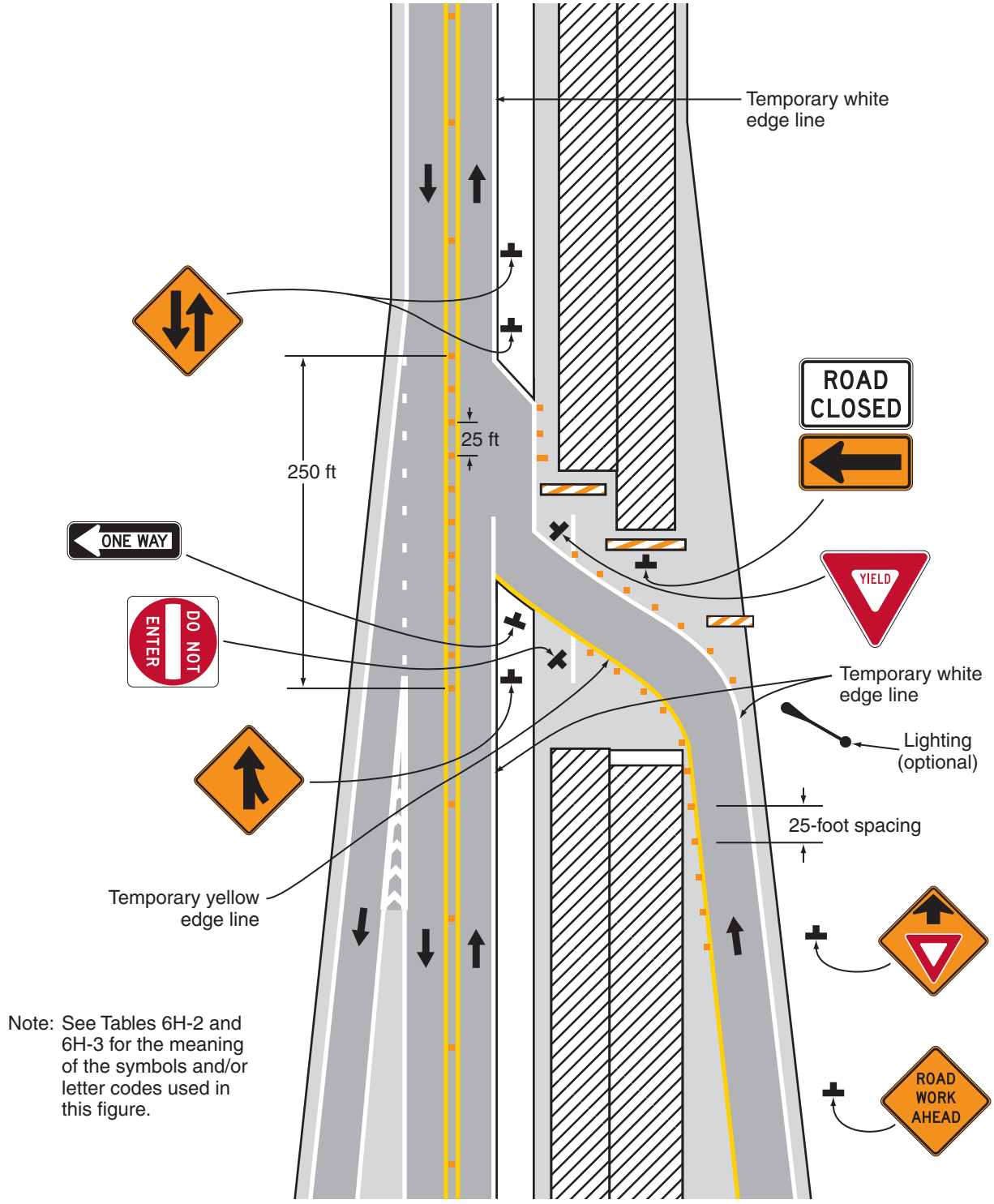
Guidance:

1. *The typical application illustrated should be used for carrying an entrance ramp across a closed directional roadway of a divided highway.*
2. *A temporary acceleration lane should be used to facilitate merging.*
3. *When used, the YIELD or STOP sign should be located far enough forward to provide adequate sight distance of oncoming mainline vehicular traffic to select an acceptable gap, but should not be located so far forward that motorists will be encouraged to stop in the path of the mainline traffic. If needed, yield or stop lines should be installed across the ramp to indicate the point at which road users should yield or stop. Also, a longer acceleration lane should be provided beyond the sign to reduce the gap size needed.*

Option:

4. If vehicular traffic conditions allow, the ramp may be closed.
5. A broken edge line may be carried across the temporary entrance ramp to assist in defining the through vehicular traffic lane.
6. When a temporary traffic barrier is used to separate opposing vehicular traffic, the Two-Way Traffic signs and the DO NOT ENTER signs may be eliminated.

Figure 6H-40. Median Crossover for an Entrance Ramp (TA-40)



Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

Typical Application 40

Notes for Figure 6H-41—Typical Application 41
Median Crossover for an Exit Ramp

Guidance:

1. *This typical application should be used for carrying an exit ramp across a closed directional roadway of a divided highway. The design criteria contained in the AASHTO "Policy on the Geometric Design of Highways and Streets" (see Section 1A.11) should be used for determining the curved alignment.*
2. *The guide signs should indicate that the ramp is open, and where the temporary ramp is located. Conversely, if the ramp is closed, guide signs should indicate that the ramp is closed.*
3. *When the exit is closed, a black on orange EXIT CLOSED sign panel should be placed diagonally across the interchange/intersection guide signs and channelizing devices should be placed to physically close the ramp.*
4. *In the situation (not shown) where channelizing devices are placed along the mainline roadway, the devices' spacing should be reduced in the vicinity of the off ramp to emphasize the opening at the ramp itself. Channelizing devices and/or temporary pavement markings should be placed on both sides of the temporary ramp where it crosses the median and the closed roadway.*
5. *Advance guide signs providing information related to the temporary exit should be relocated or duplicated adjacent to the temporary roadway.*

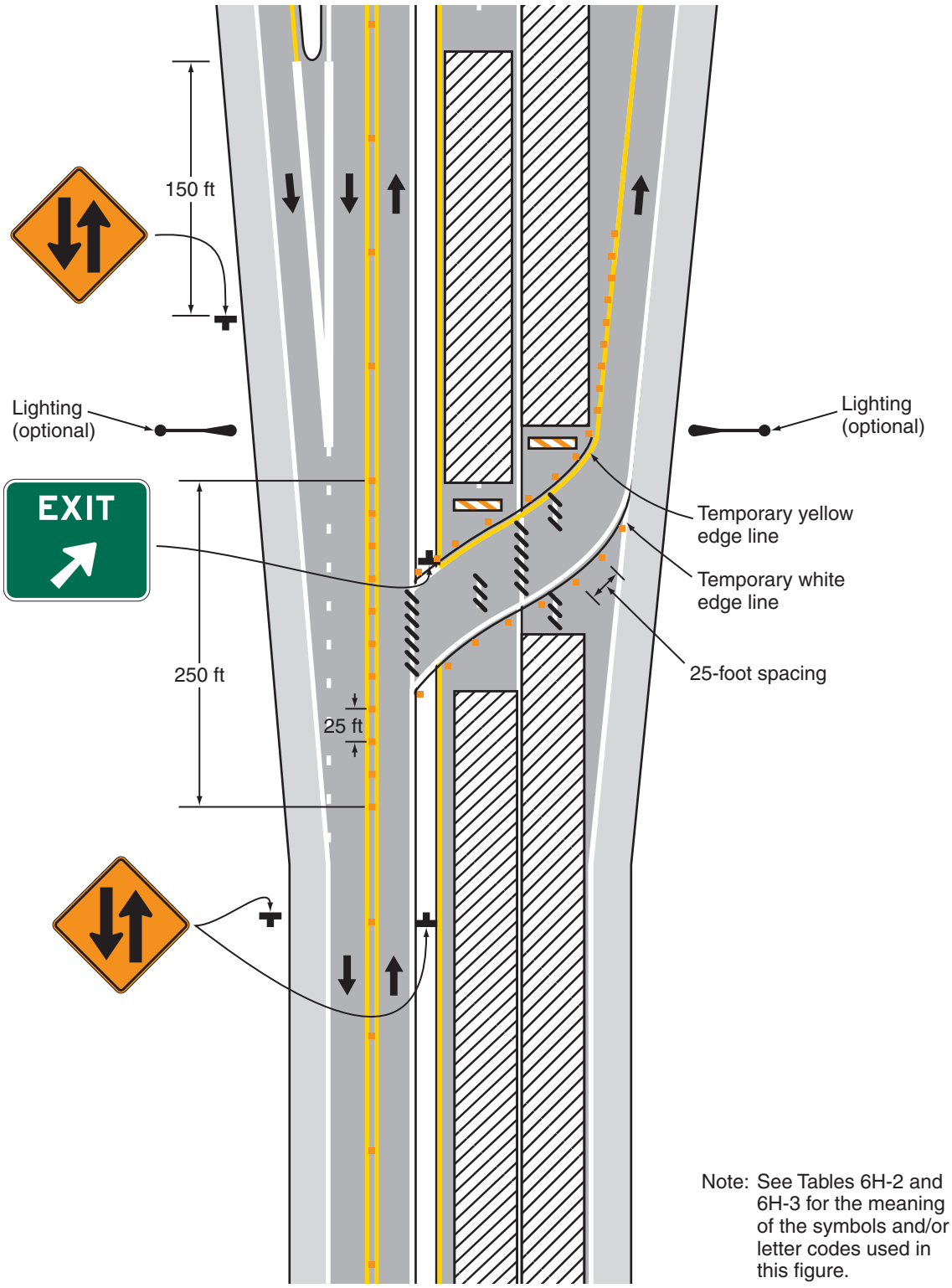
Standard:

6. **A temporary EXIT sign shall be located in the temporary gore. For better visibility, it shall be mounted a minimum of 7 feet from the pavement surface to the bottom of the sign.**

Option:

7. Guide signs referring to the exit may need to be relocated to the median.
8. The temporary EXIT sign placed in the temporary gore may be either black on orange or white on green.
9. In some instances, a temporary deceleration lane may be useful in facilitating the exiting maneuver.
10. When a temporary traffic barrier is used to separate opposing vehicular traffic, the Two-Way Traffic signs may be omitted.

Figure 6H-41. Median Crossover for an Exit Ramp (TA-41)



Typical Application 41

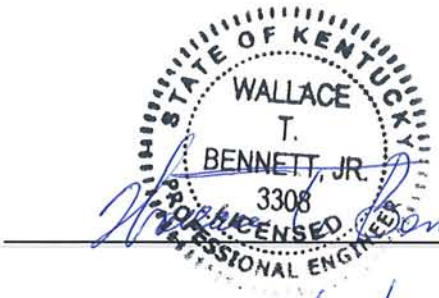
AUDUBON PARKWAY
DAVIESS COUNTY

CONSTRUCTION NUMBER
FD04 SPP 030 9005 015-024

ITEM NUMBER
2-2059.0

BRIDGE REHABILITATION
(3 LOCATIONS)

STATION 912+12.00
TO
STATION 1320+06.95



DATE 8/23/12

PREPARED BY

WMB, INC. CONSULTING ENGINEERS
1950 HAGGARD COURT
LEXINGTON, KY. 40505
PHONE 859/299-5226

AUDUBON PARKWAY
DAVIESS COUNTY

CONSTRUCTION NUMBER
FD04 SPP 030 9005 015-024

ITEM NUMBER
2-2059.0

BRIDGE REHABILITATION
(3 LOCATIONS)

STATION 912+12.00
TO
STATION 1320+06.95

INDEX

SUMMARY OF BRIDGE QUANTITIES FOR AUDUBON PARKWAY
CONSTRUCTION NO. FD04 SPP 030 9005 015-024
ITEM NO. 2-2059.00
DAVIESS COUNTY

ESTIMATED QUANTITIES REQUIRED

ITEM CODE	DESCRIPTION	QUANTITY	UNIT
3300	ELIMINATE TRANSVERSE JOINT	219.5	LIN FT
8150	STEEL REINFORCEMENT	9620	LB
8504	EPOXY SAND SLURRY	522	SQ YD
8510	REMOVE FOREIGN OVERLAY	1218	SQ YD
8526	CONC. CLASS M FULL DEPTH PATCH	8.0	CU YD
8534	CONCRETE OVERLAY-LATEX	62.8	CU YD
8549	BLAST CLEANING	2226	SQ YD
8551	MACHINE PREPARATION EXISTING SLAB	642	SQ YD
24094EC	PARTIAL DEPTH PATCHING	12.6	CU YD

REFERENCES

THE SUPPLEMENTAL SPECIFICATIONS TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2012 EDITION AND THE FOLLOWING SPECIAL NOTES THAT APPLY TO ALL BRIDGES ARE FOUND IN THE ROADWAY PLANS FOR THIS PROJECT:

- **SPECIAL NOTE FOR CONTRACT COMPLETION DATE AND LIQUIDATED DAMAGES**

- **PROJECT PHASING AND MAINTENANCE OF TRAFFIC PLAN**

SPECIAL NOTE FOR INSTALLING ARMORED EDGES FOR CONCRETE ON BRIDGES

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2012 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawings. Section references are to the Standard Specifications.

This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Remove existing concrete and expansion device(s) and/or bridge ends; (3) Install armored edges and new concrete as specified and in accordance with the attached detail drawings; (4) Maintain and control traffic; and (5) Any other work specified as part of this contract.

II. MATERIALS.

A. Class "M" Concrete. Use either "M1" or "M2". See Section 601.

B. Structural Steel. Use new, commercial grade steel suitable for welding. The Engineer will base acceptance on visual inspection. See Standard Drawing BJE-001, current edition.

C. Stud Anchors. The armored edge stud anchors are ¾" x 6" embedded stud shear connectors conforming to ASTM A108, Grade 1015 (Nelson Studs or equal).

D. Steel Reinforcement. Use Grade 60. See Section 602.

E. Epoxy Bond Coat. See Section 511.

III. EQUIPMENT.

A. Hammers. See Section 606.02.10 B.

B. Sawing Equipment. See Section 606.02.10 C.

C. Hydraulic Impact Equipment. See Section 606.02.10 D.

IV. CONSTRUCTION.

A. Remove Existing Materials. Remove existing Expansion Dam, Bridge End, Armored Edges and specified areas of concrete as shown on the attached sketches. Remove debris and/or expansion joint filler as directed by the Engineer. Clean and leave all existing steel reinforcement encountered in place. Damaged steel reinforcement will be repaired/replaced as directed by the Engineer at no additional cost to the Department. Dispose of all removed material entirely away from the job site. This work is incidental to the contract unit price for "Armored Edge for Concrete".

B. Place New Concrete and Armored Edges. After all specified existing materials have been removed; place new armored edges to match the grade of the proposed overlay or to match the original grade (See attached detail drawings). Place the new Class "M" concrete to the scarified grade and finish to receive the new overlay or place the new Class "M" concrete to the original grade and finish with broom strokes drawn transversely from curb to curb.

All new structural steel shall be cleaned and painted in accordance with requirements of Section 607.03.23, except that surfaces to come in contact with concrete are not to be painted.

Blast clean all areas of existing concrete and structural steel to come in contact with new concrete until free of all laitance and deleterious substances immediately prior to the placement of the Class "M" Concrete. The surface areas of existing concrete to come in contact with the new Class "M" Concrete are to be coated with an epoxy bond coat immediately prior to placing new concrete in accordance with Section 511. The interfaces of the new and old concrete shall be as nearly vertical and horizontal as possible.

C. Additional Steel Reinforcement. Furnish for replacement of existing deteriorated rebars or for additional strengthening, as directed by the Engineer, the steel reinforcing bars shown on the “Reinforcement” page included in the Proposal for each bridge. Place these bars in areas deemed by the Engineer to require additional reinforcement or to replace deteroriated bars. Field cutting and bending is permitted. Do not place any additional steel reinforcement above the height of the top row of Nelson Studs on the armored edges. Ensure that all exposed steel reinforcement is tied in accordance with Section 602.03.04 prior to pouring the new Class “M” concrete. Any unused bars will become the property of the Contractor and are to removed from the project at no additional cost to the Department of Highways. Payment will be made in accordance with Section 602.

D. Stage Construction. Installation of concrete and armored edges in two (or more if specified) stages is necessary. Join the armored edges at or near the centerline of the roadway or lane line, field weld and grind smooth.

E. Shop Plans. Shop plans will <u>not</u> be required. The Contractor is responsible for obtaining field measurements and supplying properly sized materials to complete the work.

V MEASUREMENT.

A. Armored Edge for Concrete. The Department will measure the quantity in linear feet from gutterline to gutterline along the face of the bridge end.

B. Steel Reinforcement. See Section 602.

VI. PAYMENT.

A. Armored Edge for Concrete. Payment at the contract unit price per linear foot is full compensation for removing specified existing materials, furnishing and installing the new armored edges, concrete and all incidental items necessary to complete the work (except the overlay material) within the specified pay limits as specified by this note and as shown on the attached detail drawings.

B. Steel Reinforcement. See Section 602.

SPECIAL NOTE FOR ELIMINATING TRANSVERSE JOINTS ON BRIDGES

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2012 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawings. Section references are to the Standard Specifications.

Remove existing concrete and existing joint material to eliminate the transverse joint. Install additional reinforcing steel and place concrete.

II. MATERIALS.

A. Class "M" Concrete. Use either "M1" or "M2". See Section 601.

B. Steel Reinforcement. Use Grade 60. See Section 602.

C. Epoxy Bond Coat. See Section 511.

III. EQUIPMENT.

A. Hammers. See Section 606.02.10 B.

B. Sawing Equipment. See Section 606.02.10 C.

C. Hydraulic Impact Equipment. See Section 606.02.10 D.

IV. CONSTRUCTION.

A. Remove Existing Materials. Remove the existing transverse joints, joint filler, and specified areas of concrete as shown on the plans, in accordance with Section 606.02.10 and 606.03.03, and as directed by the Engineer. Clean and leave all existing steel reinforcement encountered in place. Damaged steel reinforcement will be repaired/replaced as directed by the Engineer at no additional cost to the Department.

Dispose of all removed material entirely away from the job site. This work is incidental to the contract unit price for "Eliminate Transverse Joint".

B. Additional Steel Reinforcement. Furnish for this work steel reinforcing bars as shown on the plans. Splice these bars to the existing longitudinal reinforcement in the deck and curb/sidewalk in the areas of removed concrete to tie the slabs together as shown on the plans. Ensure that all exposed steel reinforcement is tied in accordance with Section 602.03.04 prior to pouring the new Class "M" concrete.

C. Place New Concrete. Blast clean all areas of existing concrete and structural steel to come in contact with new concrete until free of all laitance and deleterious substances immediately prior to the placement of the Class "M" Concrete. The surface areas of existing concrete to come in contact with the new Class "M" Concrete are to be coated with an epoxy bond coat immediately prior to placing new concrete in accordance with Section 511. The interfaces of the new and old concrete shall be as nearly vertical and horizontal as possible.

Place new Class "M" Concrete to the specified grade and finish to receive the new overlay or as shown on the plans. On the sidewalk and curb, place the new concrete to original grade and finish to match the existing curb/sidewalk.

V. MEASUREMENT.

A. Eliminate Transverse Joint. The Department will measure the quantity in linear feet from gutterline to gutterline along the centerline of the joint.

B. Steel Reinforcement. See Section 602.

VI. PAYMENT.

A. Eliminate Transverse Joint. Payment at the contract unit price per linear foot is full compensation for furnishing equipment, labor, tools and materials needed to complete removal and disposal of the specified existing materials, cleaning and straighting of existing steel reinforcement, furnishing and installing the concrete, and all incidental items necessary to complete the work (except the overlay material if specified elsewhere in the contract) within the specified pay limits as indicated on the drawings.

B. Steel Reinforcement. See Section 602.

SPECIAL NOTE FOR BRIDGE RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS

I. DESCRIPTION. Perform all work in accordance with the Kentucky Transportation Cabinet, Department of Highway's 2012 Standard Specifications for Road and Bridge Construction and applicable Supplemental Specifications, the Standard Drawings, this Note, and the attached detail drawings. Section references are to the Standard Specifications.

This work consists of the following: (1) Furnish all labor, materials, tools, and equipment; (2) Remove the existing overlay or machine prep the existing slab; (3) Complete full-depth and partial depth repairs as directed by the Engineer; (4) Repair/replace damaged and corroded reinforcing bars; (5) Place new concrete overlay and epoxy-sand slurry in accordance with Section 606; (6) Maintain and control traffic; and (7) Any other work specified as part of this contract.

All construction will be in accordance with Section 606 unless otherwise specified.

II. MATERIALS.

A. Latex Concrete. See Section 606.03.17.

B. Class "M" Concrete. Use either "M1" or "M2". See Section 601.

C. Epoxy-Sand Slurry. See Section 606.03.10.

III. CONSTRUCTION.

A. Machine prep of existing slab. For 030B00063N, remove concrete from existing slab to a depth of at least ¼" below the existing surface, and remove all patches completely, in accordance with the requirements of Section 606.03.03. See Special Note for Use of Hydrodemolition Method.

B. Remove Existing Overlay. In addition to Section 606.03.03, totally remove the existing concrete overlay for 030B00059R and 030B00059L by milling. See Special Note for Use of Hydrodemolition Method.

C. Partial Depth Slab Repair and Latex Overlay. Remove areas determined to be unsound by the Engineer via hydrodemolition or via hand held jackhammers weighing less than 45 lbs in accordance with Section 606.02.10 D. Repair/Replace all damaged or severely corroded reinforcing bars prior to partial depth repair operation. The Department will not measure material removal and will consider this work incidental to the bid item "PARTIAL DEPTH PATCHING". Mix and place Latex Modified Concrete Overlay in accordance with Sections 606.03.08 and 606.03.17.

D. Surface Texturing. Texture the concrete surface of the overlay in accordance with Section 609.03.10.

IV. MEASUREMENT. See Section 606 and the following:

A. Latex Modified Concrete for Concrete Overlay. The Department will measure the quantity in cubic yards using the theoretical volume as follows for each bridge:

000B00063N (189.75' x 30.0' x (1.25"/12"/')) / 27CF/CY = 22.0 CU YD

000B00059R (135.50’ x 39.0’ x (1.25”/12”/’)) / 27CF/CY = 20.4 CU YD
000B00059L (135.50’ x 39.0’ x (1.25”/12”/’)) / 27CF/CY = 20.4 CU YD

B. Latex Modified Concrete for Partial Depth Patching and variable thickness of Overlay. The Department will measure the quantity in cubic yards by deducting the theoretical volume of bridge deck overlay from the total volume (as indicated by the batch quantity tickets) of concrete required to obtain the finished grade shown on the Plans or established by the Engineer.

C. Machine Prep of Slab. The Department will measure the machine preparation of the existing bridge deck for 000B00063N in square yards, which shall include all labor, equipment, and material needed to complete this work.

D. Remove Existing Overlay. The Department will measure the removal of the existing overlay for 030B00059R and 030B00059L in square yards, which shall include all labor, equipment, and material needed to complete this work.

E. Steel Reinforcement. The Department will measure any reinforcing steel necessary for the partial or full depth patch in pounds, which shall include all labor, equipment, and material needed to complete this work.

V. PAYMENT. See Section 606 and the following:

A. Latex Modified Concrete for Overlay. The Department will make payment for the Latex Modified Concrete under bid item #08534 “CONCRETE OVERLAY – LATEX” for the quantity in cubic yards complete in place.

B. Latex Modified Concrete for Partial Depth Patching and variable thickness of Overlay. The Department will make payment for the Partial Depth Patching under bid item #24094EC “PARTIAL DEPTH PATCHING”. Payment will be for the quantity per cubic yard complete in place.

C. Machine Prep of Slab. The Department will make payment for the machine prep of existing slab for 000B00063N, under bid item #08551 “MACHINE PREP OF SLAB”**.** Payment will be for the square yard complete.

D. Remove Existing Overlay. The Department will make payment for the removal of the existing overlay for 030B00059R and 030B00059L under the bid item #08510 “REM EPOXY BIT FOREIGN OVERLAY”. Payment will be for the square yard complete.

E. Steel Reinforcement. The Department will make payment for steel reinforcement, if necessary, under bid item #08150 “STEEL REINFORCEMENT”. Payment will be at the unit price per pound.

SPECIAL NOTE FOR USE OF HYDRODEMOLITION METHOD

Description

This work consists of bridge surface deck preparation using Hydrodemolition to provide a uniform depth, highly bondable surface and to remove all variable depth, unsound material. This item also includes the removal and disposal of all concrete and debris, vacuuming, shielding, water control, additional jack hammering and all other aspects of work necessary to prepare the deck for the placement of the new latex modified concrete overlay.

Equipment

Sawing Equipment. Sawing equipment shall be a concrete saw capable of sawing concrete to the specified depth.

Mechanical Scarifying Equipment. The scarifying equipment shall be a power operated mechanical scarifier capable of uniformly scarifying or removing the old concrete or asphalt wearing surface from the bridge deck to the depths required in the plans or as directed by the Engineer. The equipment shall be self-propelled with sufficient power, traction and stability to maintain accurate depth of cut and slope. The equipment shall be capable of accurately and automatically establishing profile grades along each edge of the machine by referencing the existing bridge deck by means of a ski or matching shoe, or from an independent grade control; in addition, it shall be equipped with an integral loading means to remove the material being cut from the bridge deck and to discharge the cuttings into a truck all in a single operation.

Hydro-Demolition Equipment. The Hydrodemolition equipment shall consist of a filtering and pumping unit operating with a self-propelled computerized robot that utilizes a high pressure water jet capable of removing concrete to the depth specified on the plans or as directed by the Engineer and be capable of removing rust and concrete particles from reinforcing steel. The equipment shall provide a rough and bondable surface and remove all unsound concrete during the initial pass. The minimum water usage shall be 43 gal/min operating at 13,000 psi minimum.

Vacuum Cleanup Equipment. The vacuum cleanup equipment shall be equipped with fugitive dust control devices and be capable of removing wet debris and water all in the same pass. Provide equipment capable of washing the deck with pressurized water prior to the vacuum operation to dislodge all debris and slurry from the deck surface.

Hand Held Blast Cleaning Equipment. Hand held blast shall be either sand or water as necessary to expose fine and coarse aggregates; thoroughly clean all exposed reinforcing steel; and remove any unsound concrete or laitance layers from the proposed concrete overlay surface. If sand blasting equipment is utilized, the equipment shall have oil traps. If water blasting equipment is utilized, the equipment must be capable of delivering a minimum of 5,000 psi.

Power Driven Hand Tools. Power driven hand tools and jackhammers will be permitted, but shall not be heavier than the nominal 35 lb class. Chipping hammers shall not be heavier than the nominal 15 lb class. Only hand chipping tools shall be used when removing concrete within 1 in. of reinforcing steel. Mechanically driven tools shall be operated at a maximum angle of 45 degrees from the bridge floor surface.

Construction Methods

General: Perform Hydrodemolition surface preparation over the entire top surface of the reinforced concrete bridge deck to provide a rough and bondable surface and to remove all unsound concrete during the initial Hydrodemolition surface preparation pass. The use of hand chipping tools, either hand or mechanically driven, shall be limited to trim work and areas inaccessible or inconvenient for the hydro-demolition equipment.

Description: This work shall consist of furnishing the necessary labor, materials and equipment to completely remove the top surface of the Portland cement concrete bridge deck surface in accordance with these Specifications and in reasonably close conformity with the grades, thickness, or sections shown on the Plans or as directed by the Engineer. This work shall include the removal of patches other than sound Portland cement concrete and all loose and unsound concrete by Hydrodemolition; preparation of the sound existing concrete surface; removal, forming and concrete for full depth repairs; blast cleaning or high pressure water cleaning the existing deck prior to placement of the modified concrete overlay; and all other operations necessary to complete this work according to these specifications and to the satisfaction of the Engineer.

Preparation of Existing Deck

No operations without reasonably available engineering controls that limit fugitive dust will be acceptable.

The Contractor shall be aware that there are federal, state, regional, and local government agencies that have requirements regarding the control of fugitive dust generated by concrete removal and blasting operations.

The Contractor is responsible for protecting traffic traveling adjacent to and under the work zone while removing bridge deck concrete.

Where the deck is sound for less than one third of its original depth, the concrete shall be removed full depth for limited areas as designated by the Engineer. Full depth repairs shall be completed as specified for Full Depth Repair.

Removal of Existing Asphaltic Concrete Overlays

If an existing asphaltic concrete overlay is present upon the original bridge deck surface to be prepared by Hydrodemolition, the overlay and any waterproofing material that was part of the deck must be removed by mechanical means, and the bridge deck cleaned, prior to commencement of the Hydrodemolition operation. The Contractor may utilize conventional scarifying equipment conforming to these specifications to remove the existing bituminous overlay and waterproofing material from the original bridge deck. Acceptable depth of scarification shall be the overlay and waterproofing material thickness plus ¼“ below the original bridge deck surface. Additional removal depth of existing deck concrete is permitted by mechanical scarification provided approved by the resident. Total surface Hydrodemolition is used to provide a highly bondable surface and to remove partial depth deteriorated concrete.

If the use of mechanical scarifying equipment results in the snagging of the top mat of steel reinforcement, the scarifying equipment shall be immediately stopped and the depth of removal adjusted. Damaged or dislodged reinforcing steel shall be repaired or replaced at the Contractor's expense. Replacement shall include the removal of any additional concrete required to position the new reinforcing steel at the correct height and required lap splice lengths.

Removal of Existing Modified Concrete Overlays

Use conventional methods to remove any and all existing concrete overlay prior to commencement of the Hydrodemolition operation. Clean the bridge deck. Use “Total Surface Hydrodemolition” method to provide a rough & highly bondable surface and to remove partial depth deteriorated concrete with a minimum depth of ¼” below the original deck elevation. If Hydrodemolition does not leave a bondable surface resident can require mechanical scarification to his satisfaction at no additional cost to the Cabinet.

Existing overlay material which is sound and bonded may be left in patch areas with approval of the Project Engineer. If determined the existing patches are to be removed, jackhammers, not to be heavier than the nominal 35 lb class shall be used to remove debonded areas.

If the use of mechanical scarifying equipment results in the snagging of the top mat of steel reinforcement, the scarifying equipment shall be immediately stopped and the depth of removal adjusted. Damaged or dislodged reinforcing steel shall be repaired or replaced at the Contractor's expense. Replacement shall include the removal of any additional concrete.

Bridge Decks with No Existing Concrete Overlay

If Hydrodemolition is to be performed on an original bridge deck surface without a bituminous or concrete bridge deck overlay, the Contractor may use mechanical scarification equipment conforming to these specifications to remove an initial portion of the hydro-demolition depth. The scarification depth shall be ¼”. Total surface Hydrodemolition is used to provide a highly bondable surface and to remove partial depth deteriorated concrete.

If the use of mechanical scarifying equipment results in the snagging of the top mat of steel reinforcement, the scarifying equipment shall be immediately stopped and the depth of removal adjusted. Damaged or dislodged reinforcing steel shall be repaired or replaced at the Contractor's expense. Replacement shall include the removal of any additional concrete required to position the new reinforcing steel at the correct height and required lap splice lengths.

Concrete Removal by Hydro-Demolition

General: The total surface area of the reinforced concrete bridge deck shall be completely prepared by Hydrodemolition as necessary to provide a highly roughened and bondable surface prior to placement of the proposed bridge deck overlay while removing any deteriorated and unsound concrete in the initial pass. Unsound concrete is defined as existing bridge deck concrete that is deteriorated, spalled, or determined by the engineer to be unsound.

With the use of Hydrodemolition surface preparation, the requirement to provide a minimum ¾" clearance around all reinforcing bars that are more than 50% diameter exposed is waived, providing that the existing concrete is sound. The amount of steel exposed shall be kept to a minimum.

Damaged or dislodged reinforcing steel shall be repaired or replaced at the Contractor's expense. Replacement shall include the removal of any additional concrete required to position the new reinforcing steel at the correct height and to provide the required lap splice lengths as required.

Calibration: Prior to commencement of the Hydrodemolition removal operation, the Hydrodemolition equipment shall be calibrated on an existing ***sound*** concrete surface as designated by the Engineer. The calibration area shall be a minimum of 7 feet wide by 7 feet long to demonstrate the desired result of this specification.

Move the Hydrodemolition equipment to a second area (7'x7') that is unsound as designated by the Engineer to demonstrate the desired result of this specification which is providing a highly rough and bondable surface and removing all unsound concrete during the initial pass is being achieved.

The Engineer shall verify the following settings:

1. Water pressure gauge (13,000 psi minimum)
2. Machine staging control (step)
3. Nozzle size
4. Nozzle speed (travel)
5. Depth of removal
6. Minimum water usage (43 gallons per minute)

During the Hydrodemolition operations, any or all of the above settings may be modified in order to achieve removal of all unsound concrete and to provide a highly bondable surface. The settings may be changed by the Contractor to achieve total removal of unsound concrete, but the Engineer must be notified of all changes. The Engineer may change any or all of the settings in order to achieve the desired results with Hydrodemolition. The removals and depth shall be verified, as necessary, and at least every 30 feet along the cutting path. The readings shall be documented and, if necessary, the equipment re-

calibrated to insure the Hydrodemolition process achieves the desired results and removal of unsound concrete.

Calibration shall be required on each structure; each time Hydrodemolition is performed and as required to achieve the results specified by the plan.

Debris and Fluid Containment: Prior to commencement of the Hydrodemolition operation, the Contractor shall submit a plan for approval to the engineer for control and filtering of all water discharged during operation. The Contractor, at a minimum, shall block all drains on the deck and install aggregate dams every 150 feet; 6 inches high by 1 foot wide minimum, to strain runoff. The deck shall be used as a settlement basin within itself unless an alternate method of water control, satisfactory to the Engineer and meeting the environmental requirements of any associated Regulatory Agency, is required.

The Contractor shall provide shielding, as necessary, to insure containment of all dislodged concrete within the removal area in order to protect the public from flying debris both on and under the work site.

Cleaning

Cleaning shall be performed with a vacuum system capable of removing wet debris and water all in the same pass. The vacuum equipment shall be capable of washing the deck with pressurized water prior to the vacuum operation to dislodge all debris and slurry from the deck surface. Cleaning shall be done in a timely manner, before debris and water is allowed to dry on the deck surface.

Resounding

After the Hydrodemolition operation has completed the removal, and the deck is cleaned and allowed to dry, the deck shall be resounded to assure that the all unsound concrete deck material has been removed. The final sounding of the deck shall be done by the Engineer and shall only be performed when the deck is completely dry and frost-free. Final sounding shall consist of as many successive resounding as required to ensure that all deteriorated and fractured concrete has been removed. Additional removal shall be performed with 35 lb maximum weight jackhammers operated at an angle of no more than 45 degrees from horizontal. Aerosol spray paint for outlining and sounding chains shall be provided by the Contractor.

Full Depth Repair

Where the deck is sound for less than one third of its original depth, the concrete shall be removed full depth except for limited areas as may be designated by the Engineer. Forms shall be provided to support concrete placed in full depth repair areas. The forms for areas of up to 4 square feet may be suspended from wires from the reinforcing steel. For areas greater than 4 square feet, the forms shall be suspended from the primary members of the superstructure or by shoring below. Areas of full depth repair shall have the concrete faces and reinforcing steel cleaned. Only those areas marked in the field by the Engineer as full depth repair will be paid for as full depth repair.

Preparation Prior to Overlay Placement

Vehicles other than approved construction equipment will not be permitted on those sections of the deck where Hydrodemolition has begun. Contamination of the deck by construction equipment or from any other source shall be prevented.

Basis of Payment

There will be no direct payment. It is the contractors option to use Hydrodemolition on this project.

DAVIESS COUNTY

Approximate Location Information
Latitude: 37° 45′ 24"
Longitude: 87° 15′ 37"

BRIDGE #1 (030B00063N) SUMMARY OF QUANTITIES

1. DISTRICT: 2
2. COUNTY: DAVIESS
3. ROUTE: KY 1554
4. CONSTRUCTION NO FD04 SPP 030 9005 015-024
5. ROAD NAME: KY 1554
6. DESCRIPTION: KY 1554 OVER AUDUBON PARKWAY
7. TYPE OF WORK: BRIDGE DECK WATERPROOFING AND RESTORATION & ELIMINATE TRANSVERSE JOINTS

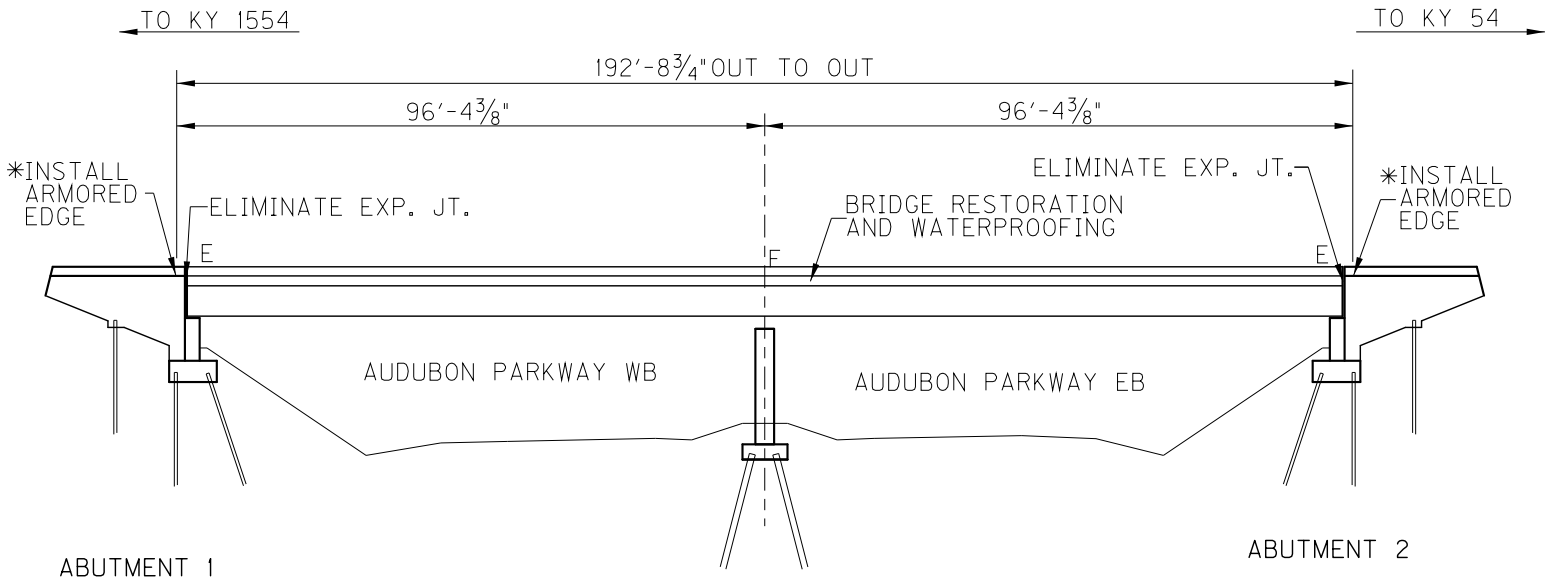
8. LENGTH (FT.): 192.72 **BRIDGE WIDTH (FT.):** 30.0 **SURFACE AREA (SQ. YD.):** 642
SKEW (DEGREES): 10 **DECK THICKNESS (INCHES):** 8

ESTIMATED QUANTITIES REQUIRED

ITEM CODE	DESCRIPTION	QUANTITY	UNIT
3300	ELIMINATE TRANSVERSE JOINT	60.9	LIN FT
8150	STEEL REINFORCEMENT	2748	LB
8504	EPOXY SAND SLURRY	214	SQ YD
8526	CONC CLASS M FULL DEPTH PATCH	3.0	CU YD
8534	CONCRETE OVERLAY-LATEX	22.0	CU YD
8549	BLAST CLEANING	804	SQ YD
8551	MACHINE PREPARATION EXIST SLAB	642	SQ YD
24094EC	PARTIAL DEPTH PATCHING	4.4	CU YD

RELOCATED KY. 1554 OVER AUDUBON PARKWAY
BRIDGE MAINTENANCE NUMBER 030B00063N

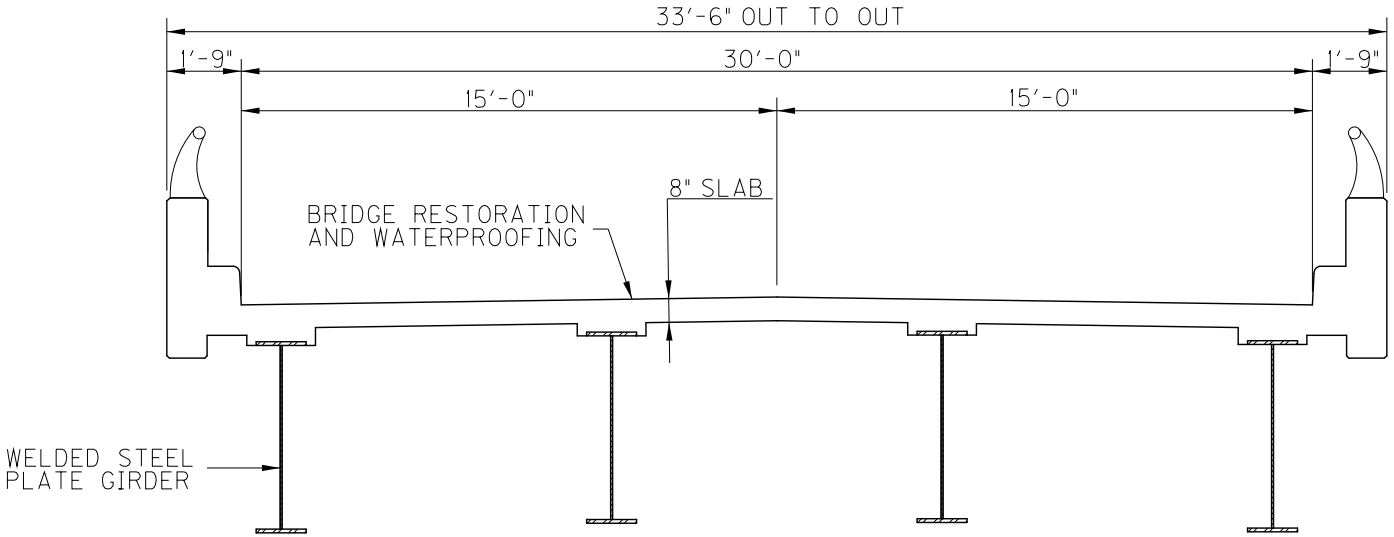
B1



ELEVATION

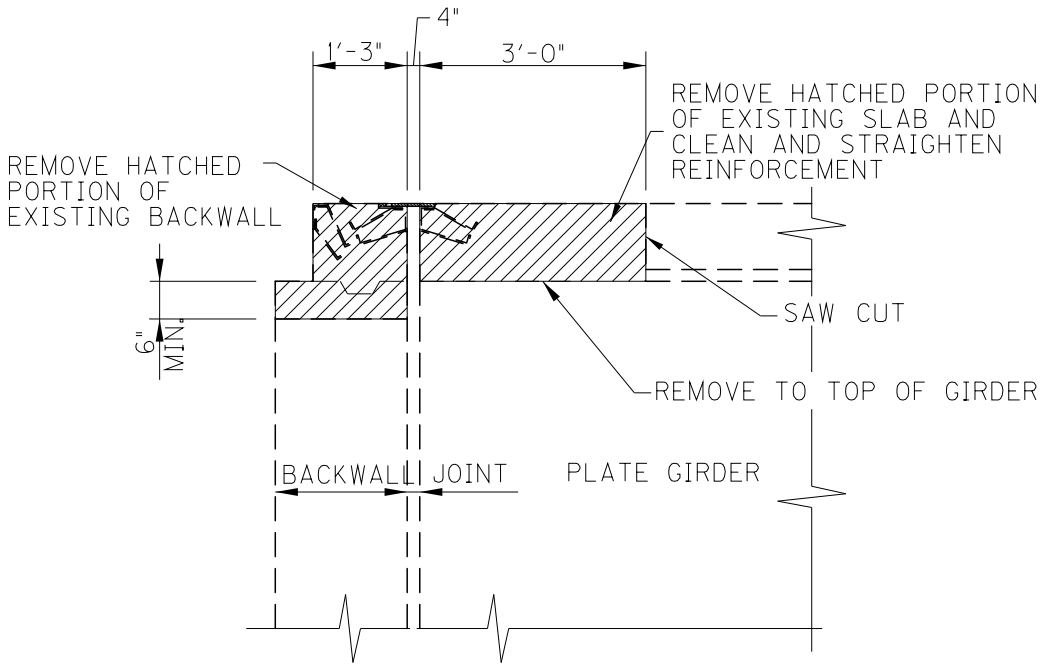
10° 00'00"SKEW LT.
NOT TO SCALE

*SEE STD. DRWG. BJE-001-12



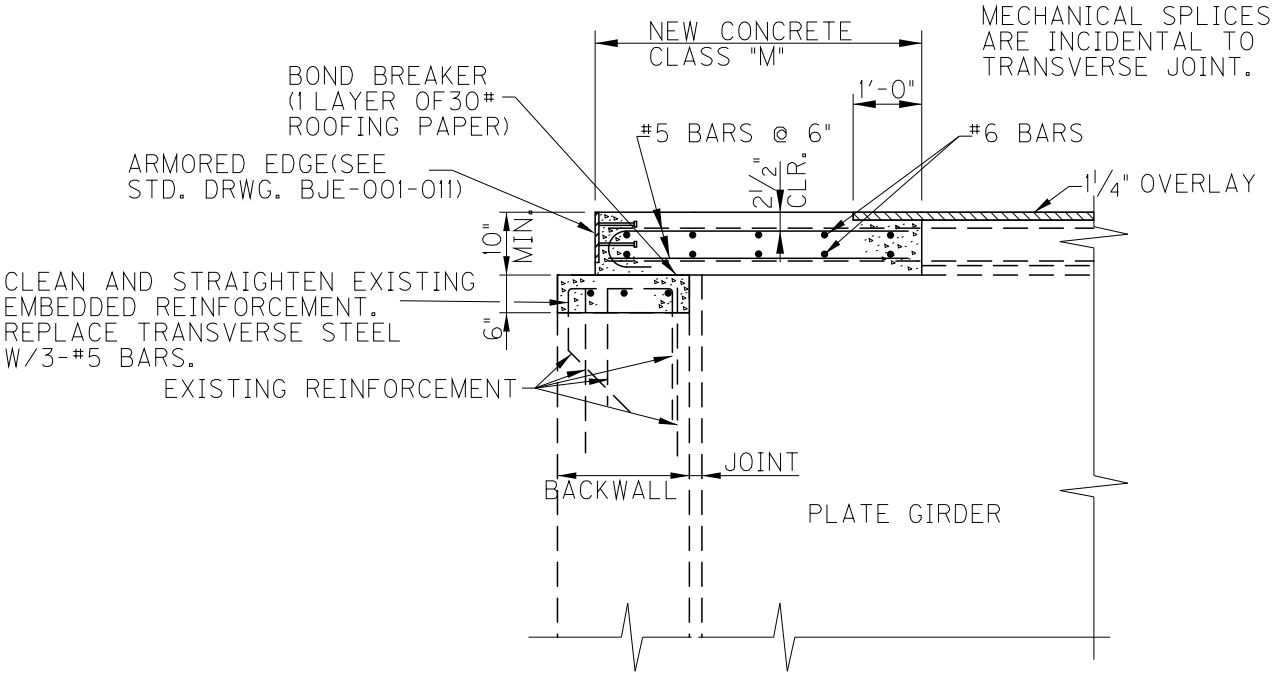
TYPICAL SECTION

ELIMINATE JOINT @ ABUTMENT 1



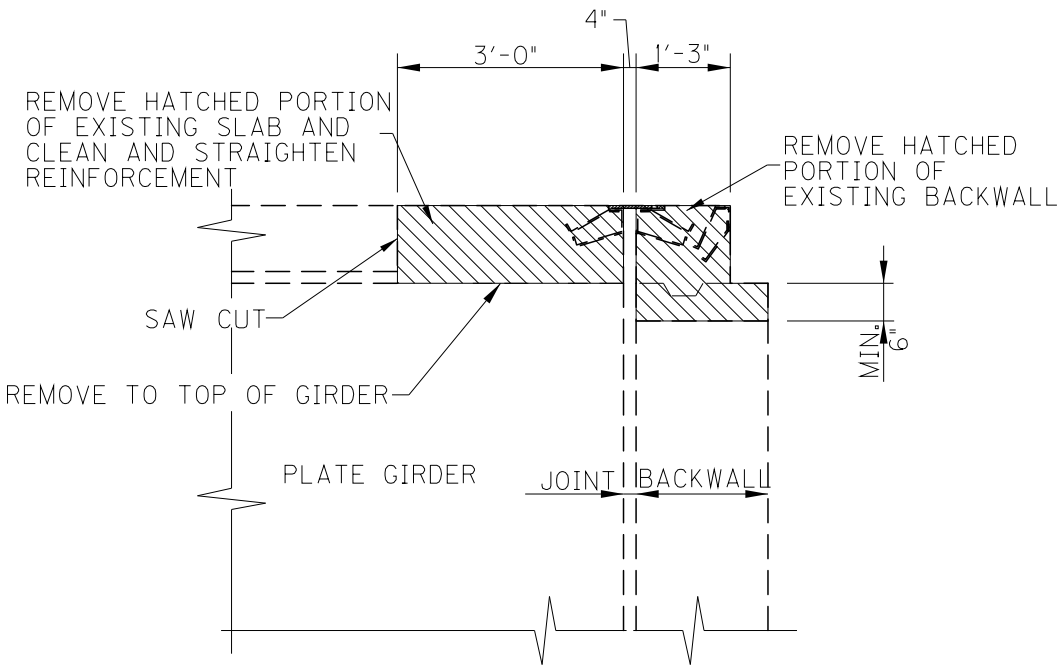
EXISTING SECTION
@ ABUTMENT

NOTE:
WHERE A NORMAL LAP CANNOT BE ATTAINED ON REBARS USE MECHANICAL SPLICES. SPLICES ARE INCIDENTAL TO "ELIMINATE TRANSVERSE JOINT.



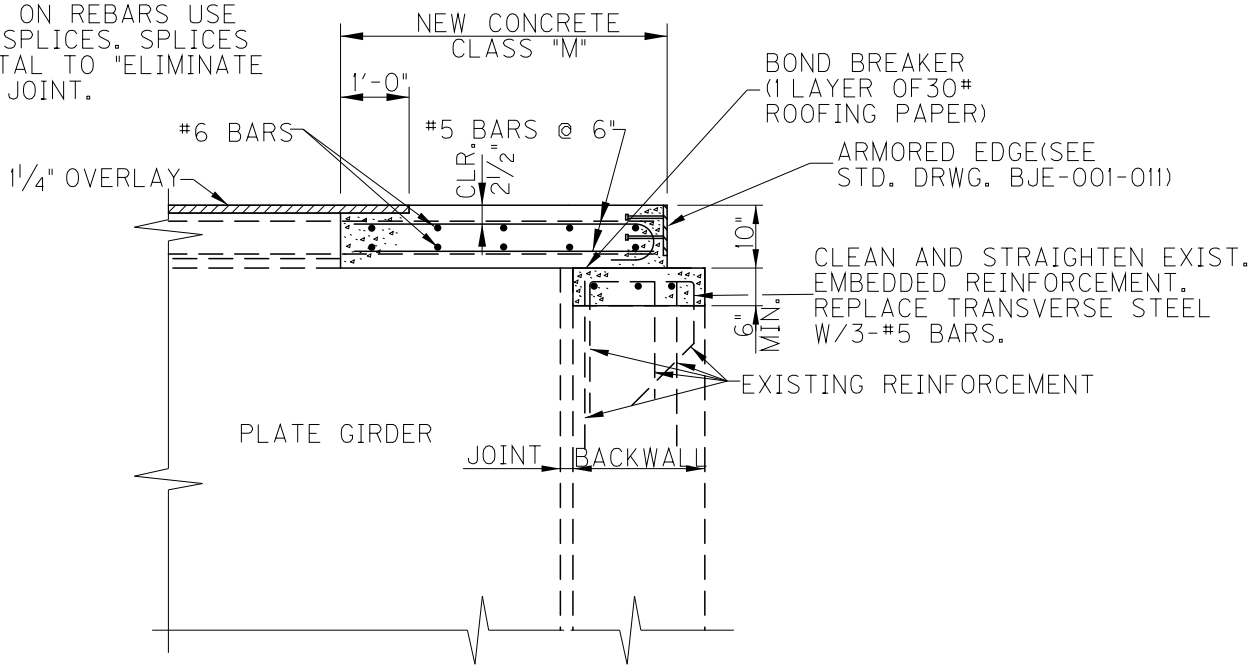
PROPOSED SECTION
@ ABUTMENT

ELIMINATE JOINT @ ABUTMENT 2



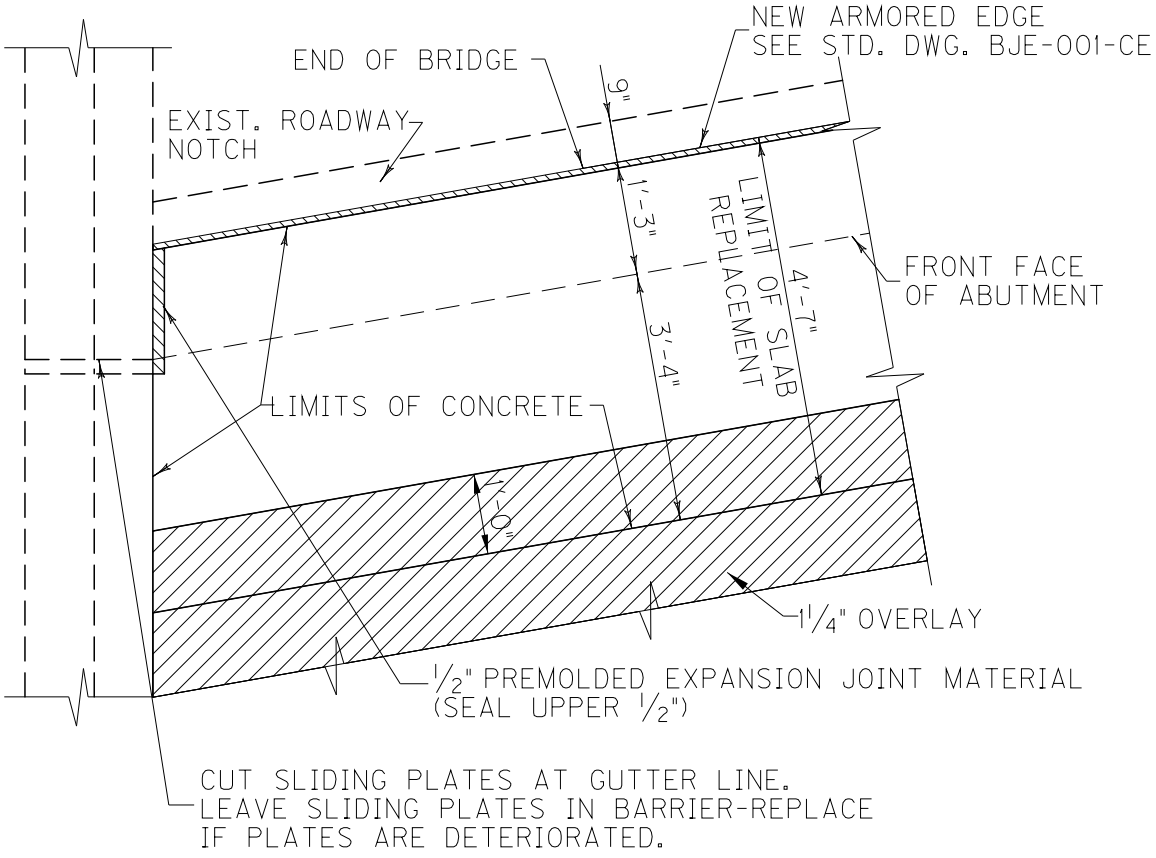
EXISTING SECTION
@ ABUTMENT

NOTE:
WHERE A NORMAL LAP CANNOT BE ATTAINED ON REBARS USE MECHANICAL SPLICES. SPLICES ARE INCIDENTAL TO "ELIMINATE TRANSVERSE JOINT.

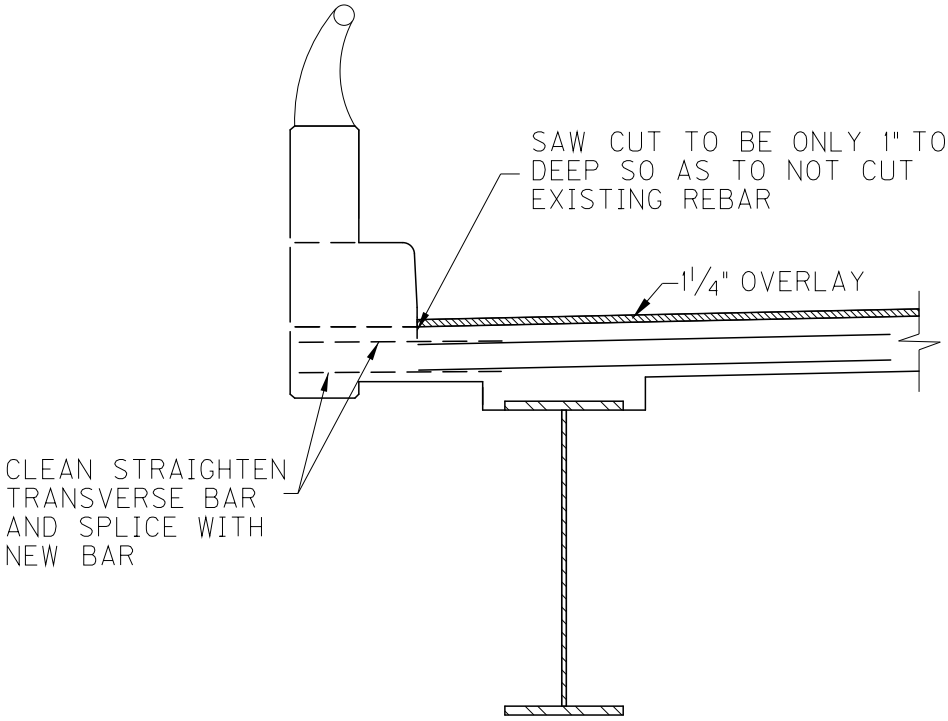


PROPOSED SECTION
@ ABUTMENT

CURB SECTION @ ABUTMENT

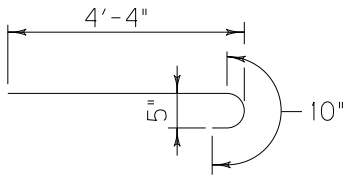


PROPOSED PLAN @ ABUTMENT

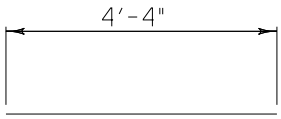


PROPOSED SECTION @ ABUTMENT

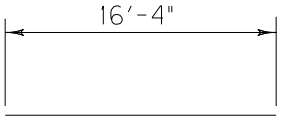
REINFORCEMENT



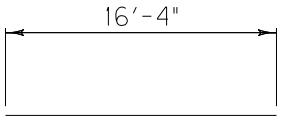
#5 BENT BAR
60 REQ'D EACH ABUTMENT



#5 STRAIGHT BAR
60 REQ'D EACH ABUTMENT



#6 STRAIGHT BAR
20 REQ'D EACH ABUTMENT



#5 STRAIGHT BAR
6 REQ'D EACH ABUTMENT

1,174 LBS EACH ABUTMENT

ABUTMENT REINFORCEMENT

300 LIN. FT. #4 BARS IN 20'-0" LENGTHS

200 LBS. EACH ABUTMENT

MISCELLANEOUS REINFORCEMENT

TOTAL REINFORCEMENT 2,748 LBS.

DAVIESS COUNTY

Approximate Location Information
Latitude: 37° 45′ 59"
Longitude: 87° 10′ 37"

BRIDGE #2 (030B00059R) SUMMARY OF QUANTITIES

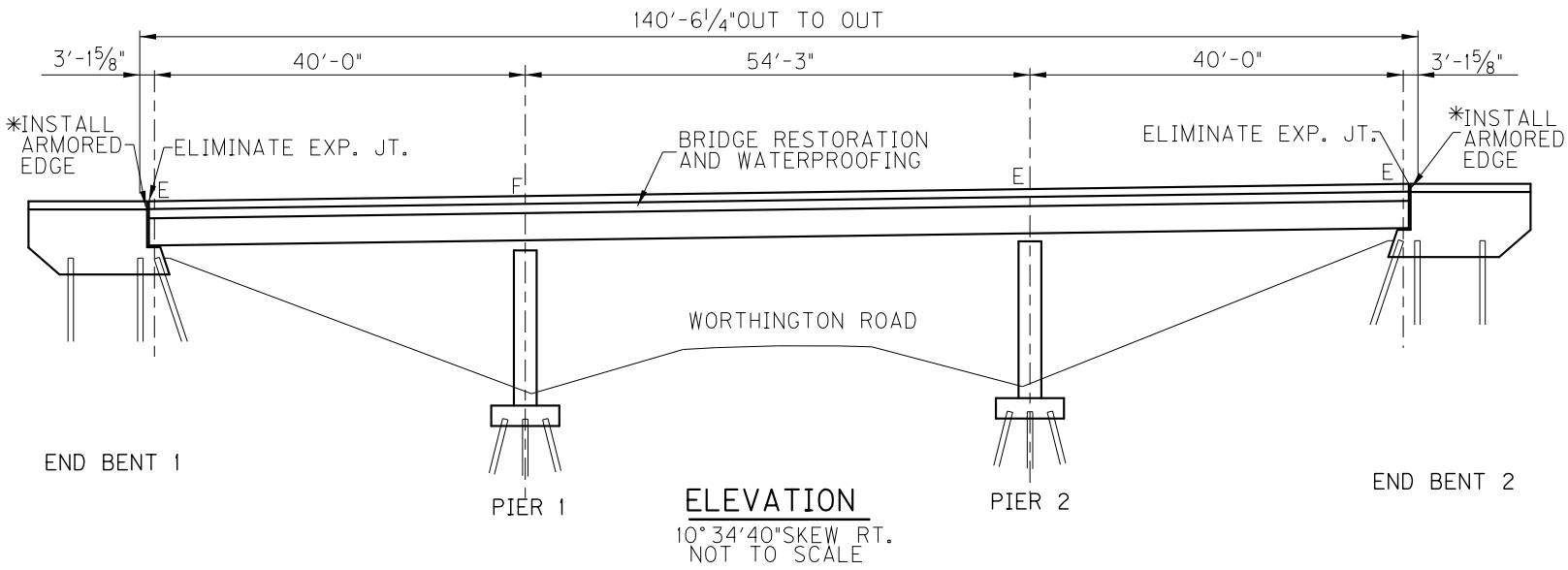
1. DISTRICT: 2
2. COUNTY: DAVIESS
3. ROUTE: AUDUBON PARKWAY
4. CONSTRUCTION NO FD04 SPP 030 9005 015-024
5. ROAD NAME: AUDUBON PARKWAY
6. DESCRIPTION: AUDUBON PARKWAY EASTBOUND OVER WORTHINGTON ROAD
7. TYPE OF WORK: BRIDGE DECK WATERPROOFING AND RESTORATION & ELIMINATE TRANSVERSE JOINTS

8. LENGTH (FT.): 140.52 **BRIDGE WIDTH (FT.):** 39.0 **SURFACE AREA (SQ. YD.):** 609
SKEW (DEGREES): 10.57 **DECK THICKNESS (INCHES):** 8

ESTIMATED QUANTITIES REQUIRED

ITEM CODE	DESCRIPTION	QUANTITY	UNIT
3300	ELIMINATE TRANSVERSE JOINT	79.3	LIN FT
8150	STEEL REINFORCEMENT	3436	LBS
8504	EPOXY SAND SLURRY	154	SQ YD
8510	REM EPOXY BIT FOREIGN OVERLAY	609	SQ YD
8526	CONC CLASS M FULL DEPTH PATCH	2.5	CU YD
8534	CONCRETE OVERLAY-LATEX	20.4	CU YD
8549	BLAST CLEANING	711	SQ YD
24094EC	PARTIAL DEPTH PATCHING	4.1	CU YD

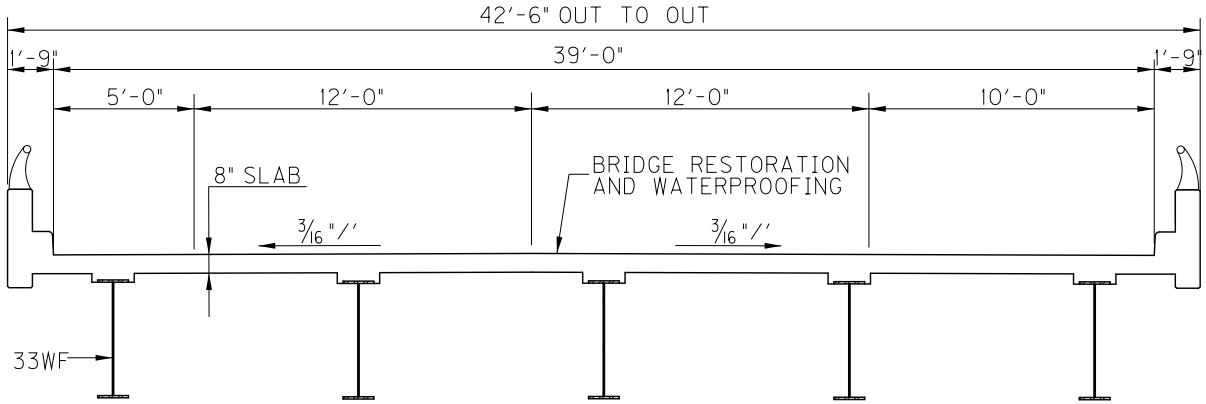
AUDUBON PARKWAY EASTBOUND OVER WORTHINGTON ROAD
BRIDGE MAINTENANCE NUMBER 030B00059R



ELEVATION

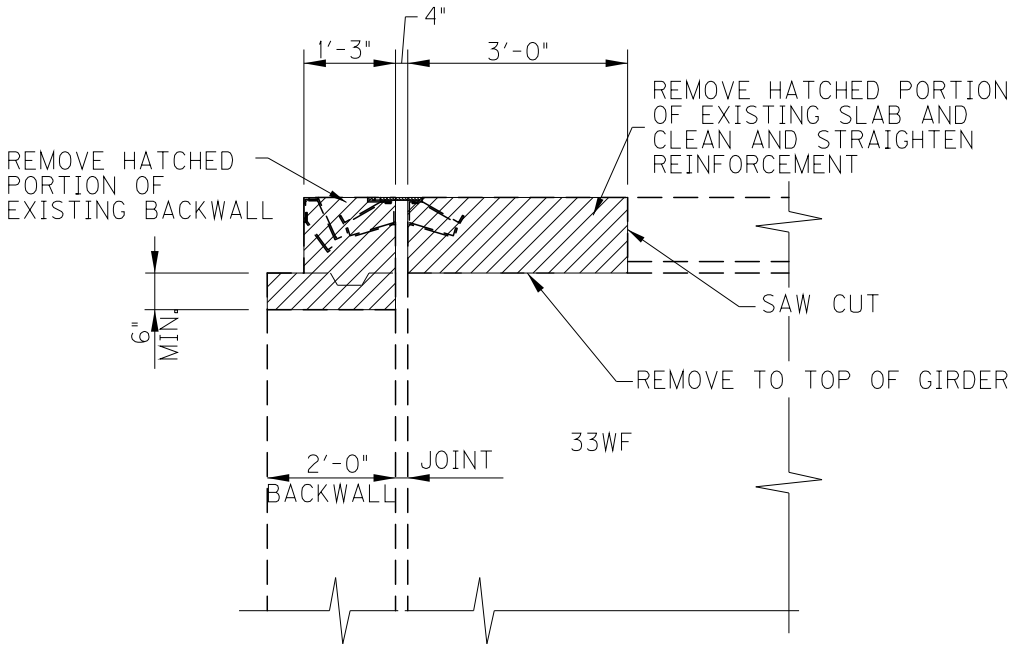
10°34'40"SKEW RT.
NOT TO SCALE

*SEE STD. DRWG. BJE-001-12



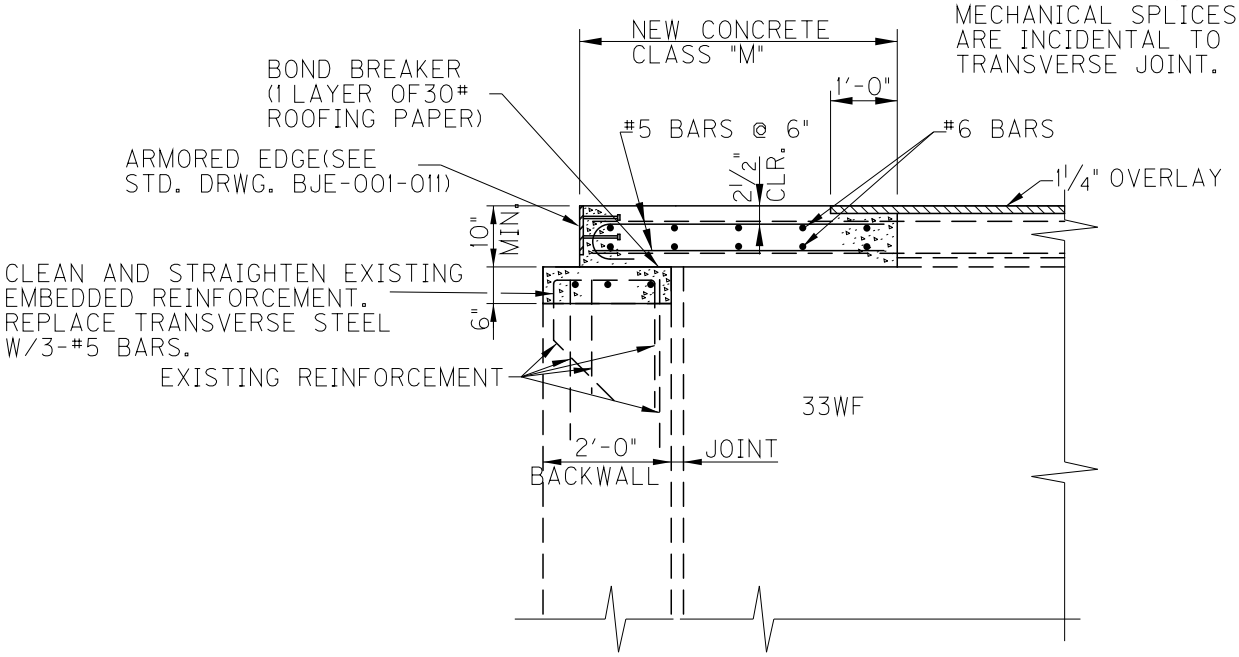
TYPICAL SECTION

ELIMINATE JOINT @ END BENT 1



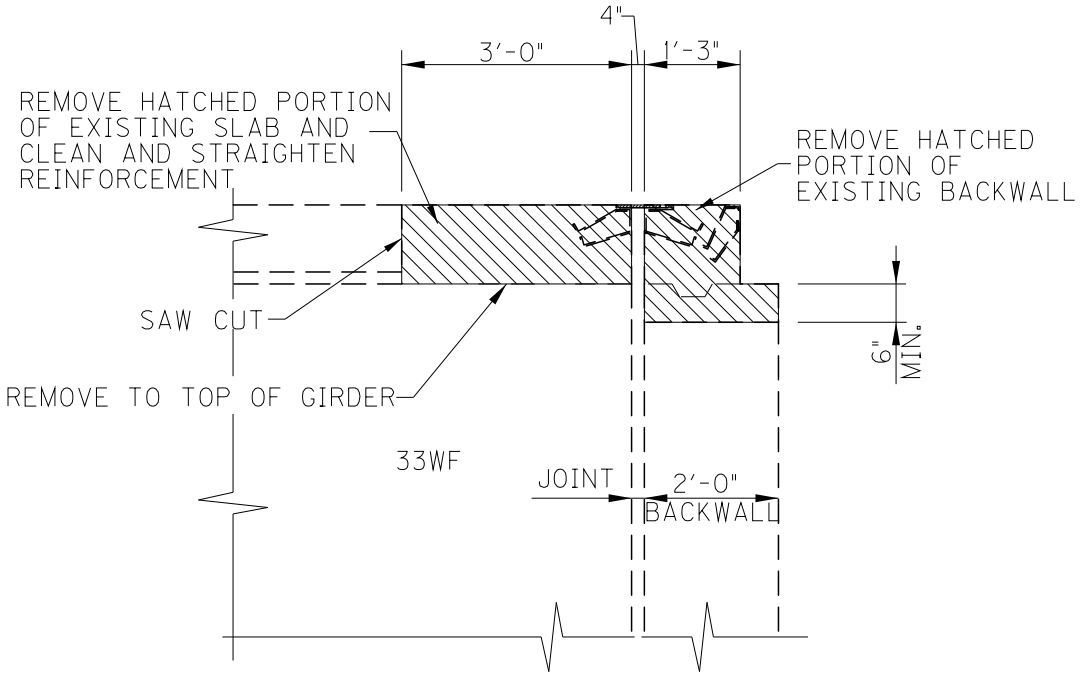
EXISTING SECTION
@ END BENT

NOTE:
WHERE A NORMAL LAP CANNOT BE ATTAINED ON REBARS USE MECHANICAL SPLICES. SPLICES ARE INCIDENTAL TO "ELIMINATE TRANSVERSE JOINT.



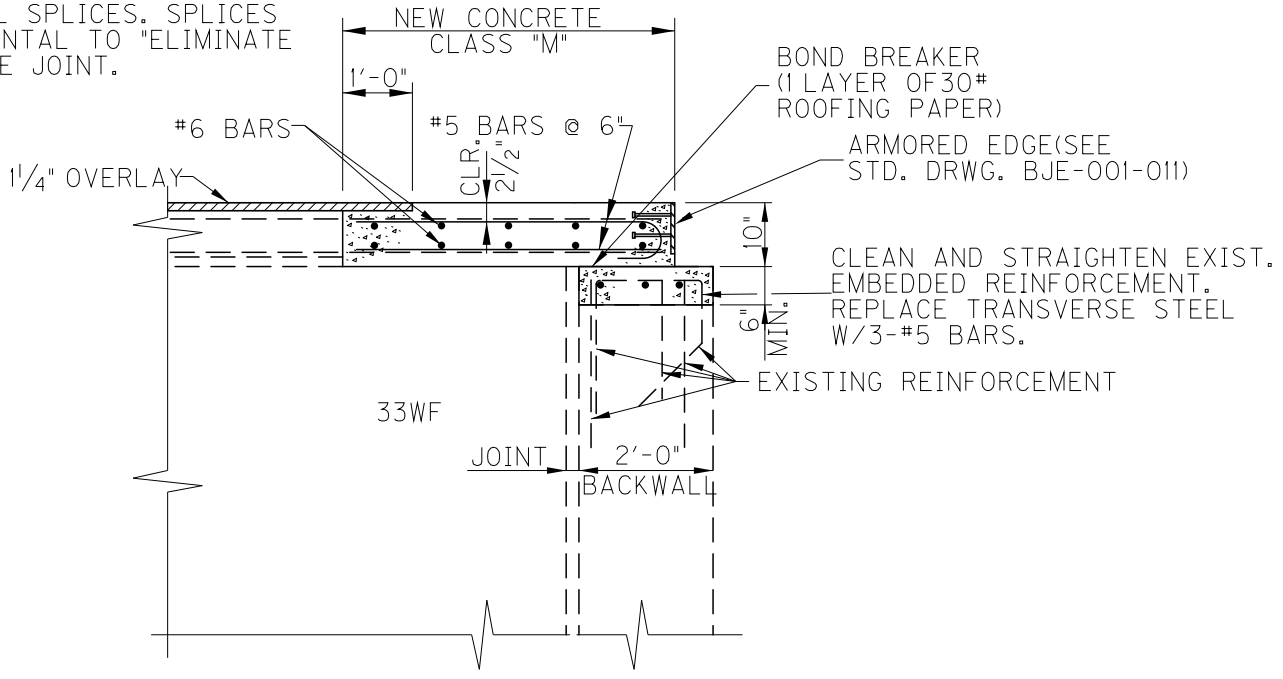
PROPOSED SECTION
@ END BENT

ELIMINATE JOINT @ END BENT 2



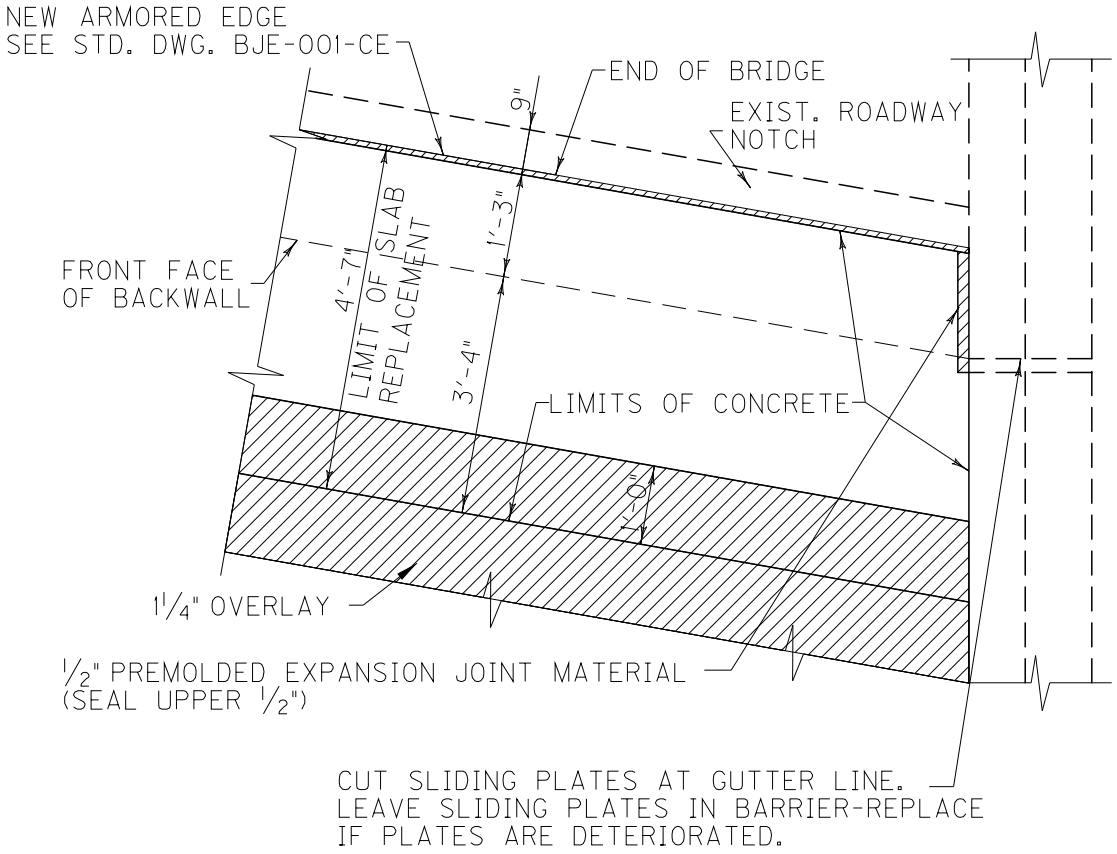
EXISTING SECTION
@ END BENT

NOTE:
WHERE A NORMAL LAP CANNOT BE ATTAINED ON REBARS USE MECHANICAL SPLICES. SPLICES ARE INCIDENTAL TO "ELIMINATE TRANSVERSE JOINT.

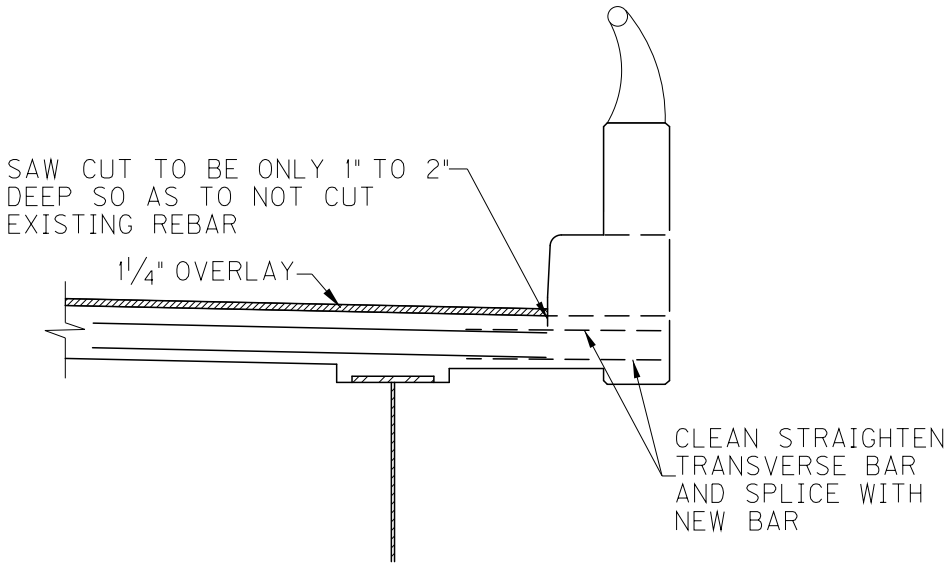


PROPOSED SECTION
@ END BENT

CURB SECTION @ END BENTS

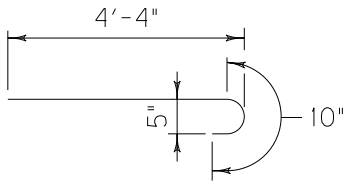


PROPOSED PLAN @ END BENT

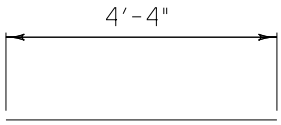


PROPOSED SECTION @ END BENT

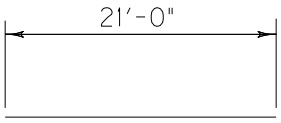
REINFORCEMENT



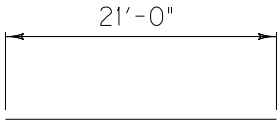
#5 BENT BAR
78 REQ'D EACH END BENT



#5 STRAIGHT BAR
78 REQ'D EACH END BENT



#6 STRAIGHT BAR
20 REQ'D EACH END BENT



#5 STRAIGHT BAR
6 REQ'D END BENT

1,518 LBS EACH END BENT

END BENT REINFORCEMENT

300 LIN. FT. #4 BARS IN 20'-0" LENGTHS

200 LBS. EACH END BENT

MISCELLANEOUS REINFORCEMENT

TOTAL REINFORCEMENT 3,436 LBS.

DAVIESS COUNTY

030B00059L
AUDUBON PARKWAY OVER
WORTHINGTON ROAD

Approximate Location Information
Latitude: 37° 45′ 58"
Longitude: 87° 10′ 37"

BRIDGE #3 (030B00059L) SUMMARY OF QUANTITIES

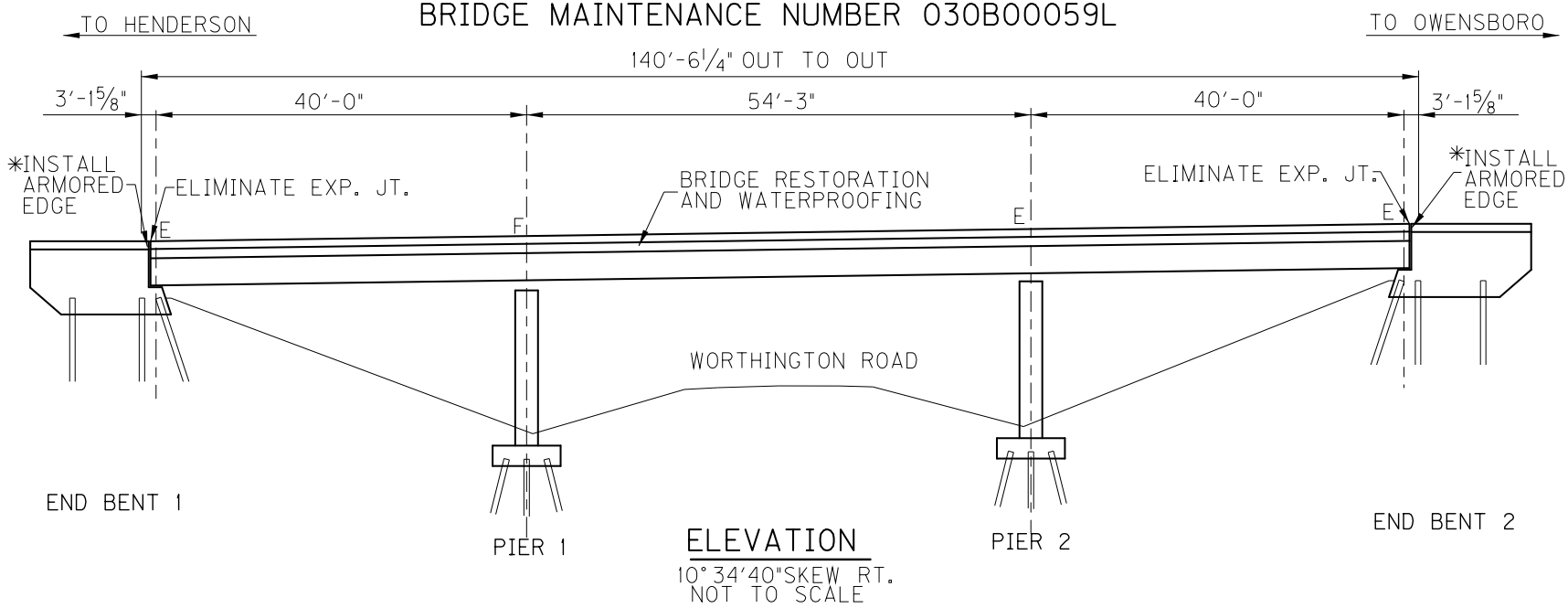
1. DISTRICT: 2
2. COUNTY: DAVIESS
3. ROUTE: AUDUBON PARKWAY
4.CONSTRUCTION NO FD04 SPP 030 9005 015-024
5. ROAD NAME: AUDUBON PARKWAY
6. DESCRIPTION: AUDUBON PARKWAY WESTBOUND OVER WORTHINGTON ROAD
7. TYPE OF WORK: BRIDGE DECK WATERPROOFING AND RESTORATION & ELIMINATE TRANSVERSE JOINTS

8. LENGTH (FT.): 140.52 **BRIDGE WIDTH (FT.):** 39.0 **SURFACE AREA (SQ. YD.):** 609
SKEW (DEGREES): 10.57 **DECK THICKNESS (INCHES):** 8

ESTIMATED QUANTITIES REQUIRED

ITEM CODE	DESCRIPTION	QUANTITY	UNIT
3300	ELIMINATE TRANSVERSE JOINT	79.3	LIN FT
8150	STEEL REINFORCEMENT	3436	LB
8504	EPOXY SAND SLURRY	154	SQ YD
8510	REM EPOXY BIT FOREIGN OVERLAY	609	SQ YD
8526	CONC CLASS M FULL DEPTH PATCH	2.5	CU YD
8534	CONCRETE OVERLAY-LATEX	20.4	CU YD
8549	BLAST CLEANING	711	SQ YD
24094EC	PARTIAL DEPTH PATCHING	4.1	CU YD

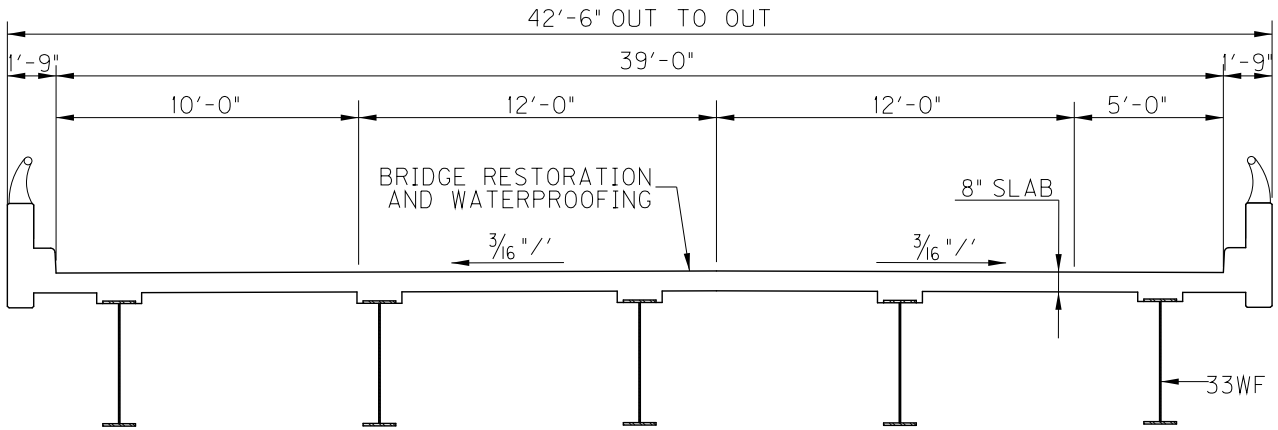
AUDUBON PARKWAY WESTBOUND OVER WORTHINGTON ROAD
BRIDGE MAINTENANCE NUMBER 030B00059L



ELEVATION

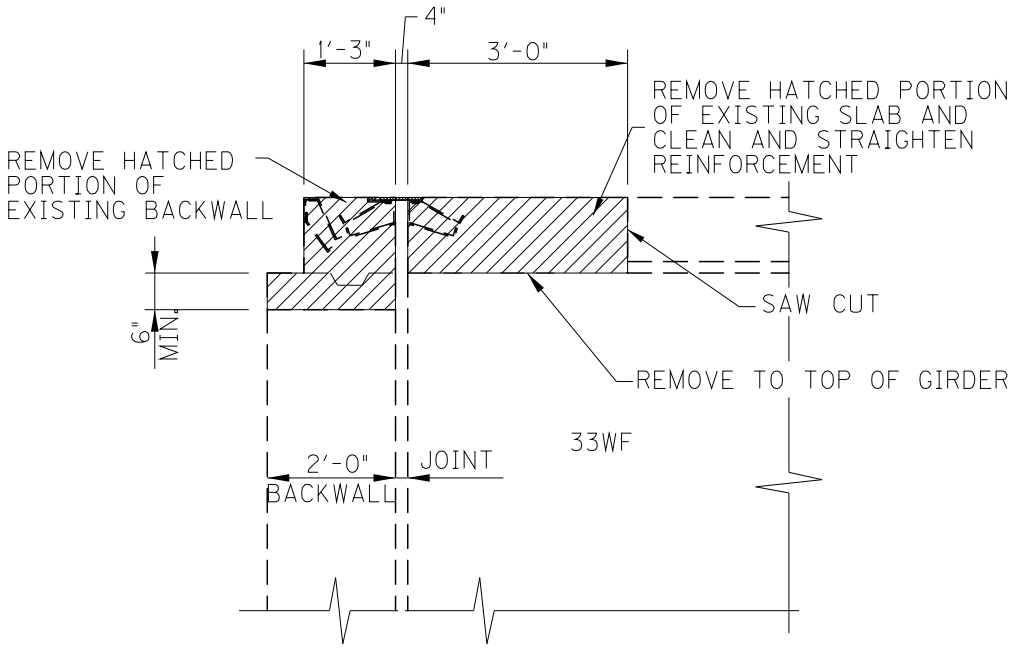
10°34'40"SKEW RT.
NOT TO SCALE

*SEE STD. DRWG. BJE-001-12



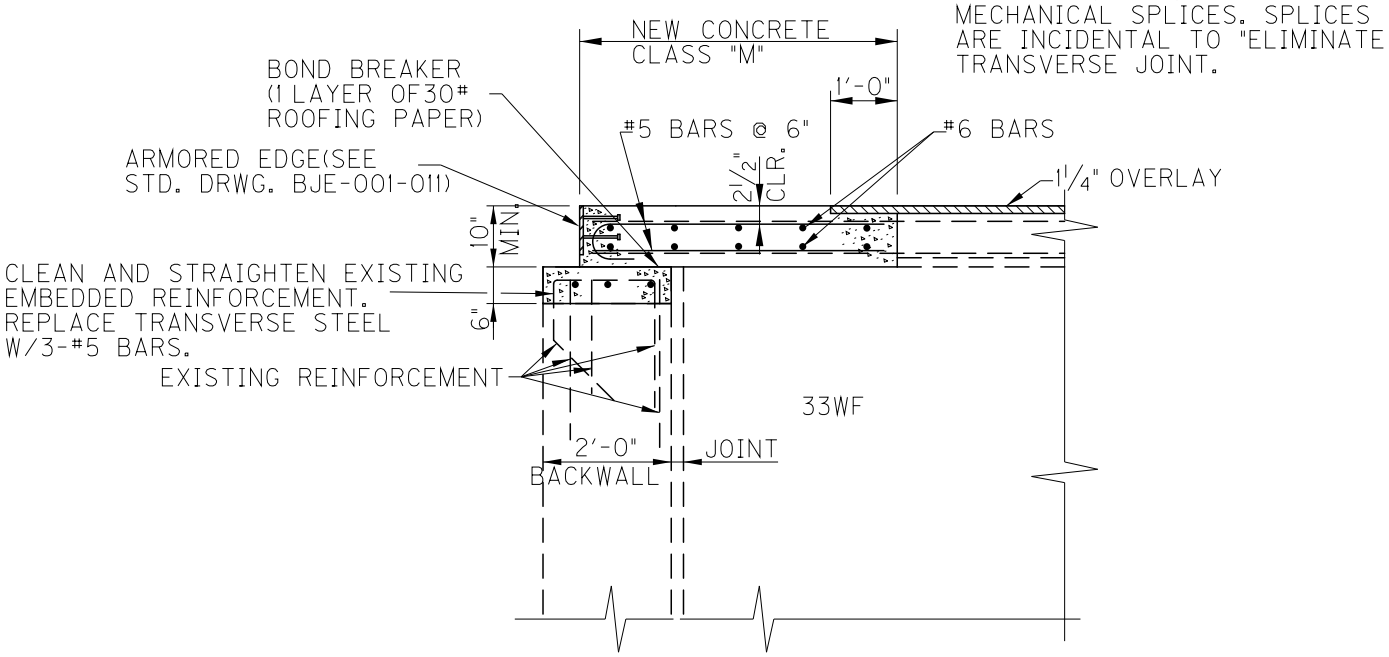
TYPICAL SECTION

ELIMINATE JOINT @ END BENT 1



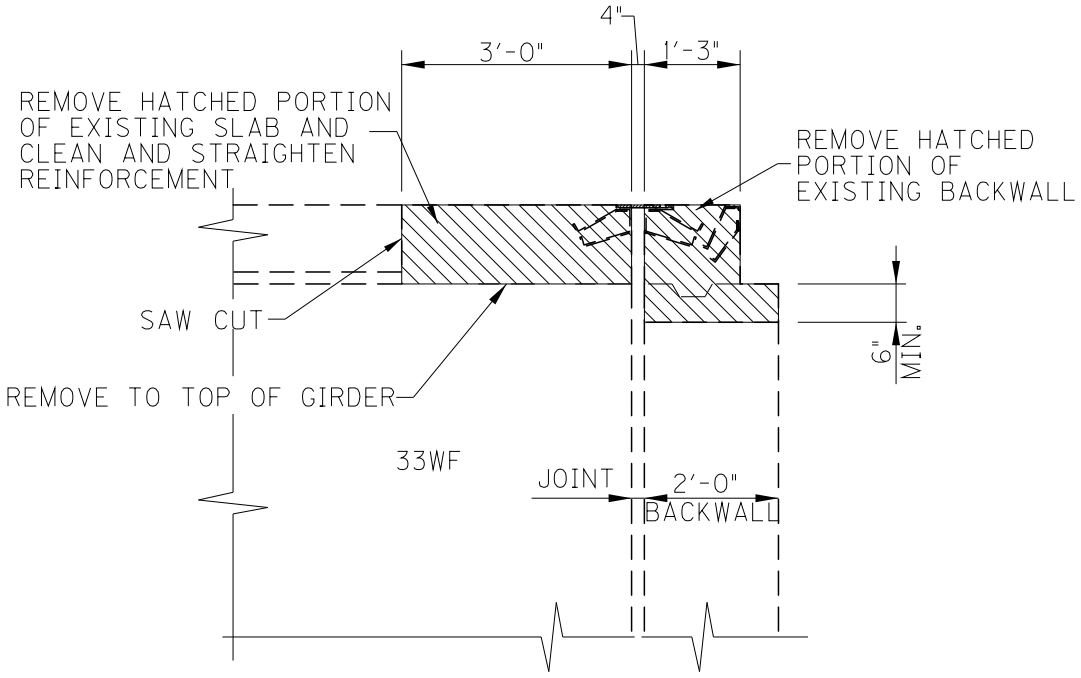
EXISTING SECTION
@ END BENT

NOTE:
WHERE A NORMAL LAP CANNOT BE ATTAINED ON REBARS USE MECHANICAL SPLICES. SPLICES ARE INCIDENTAL TO "ELIMINATE TRANSVERSE JOINT.



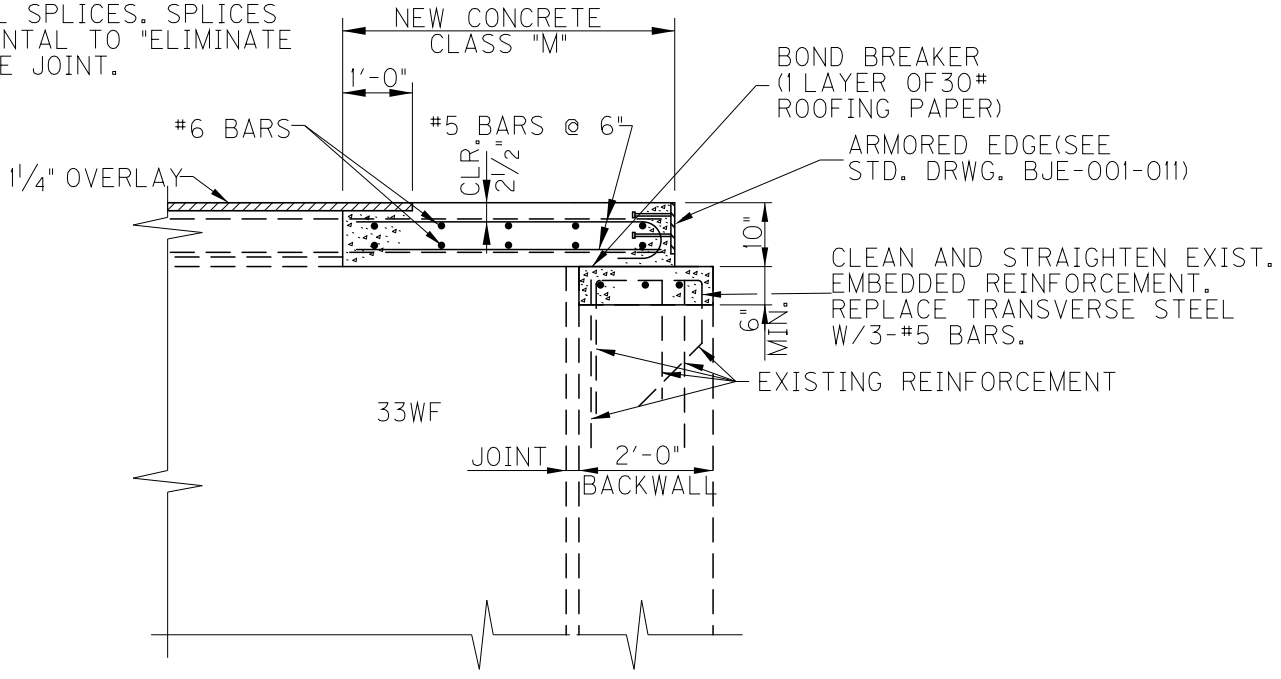
PROPOSED SECTION
@ END BENT

ELIMINATE JOINT @ END BENT 2



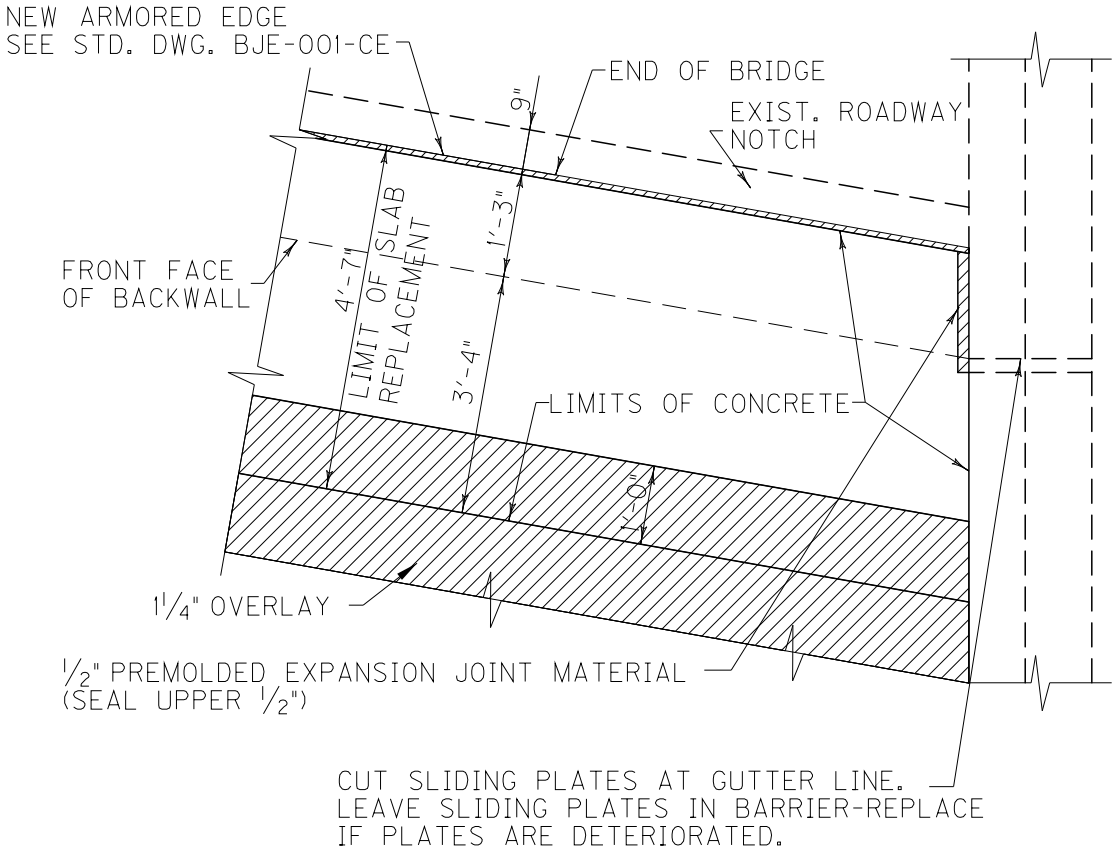
EXISTING SECTION
@ END BENT

NOTE:
WHERE A NORMAL LAP CANNOT BE ATTAINED ON REBARS USE MECHANICAL SPLICES. SPLICES ARE INCIDENTAL TO "ELIMINATE TRANSVERSE JOINT.

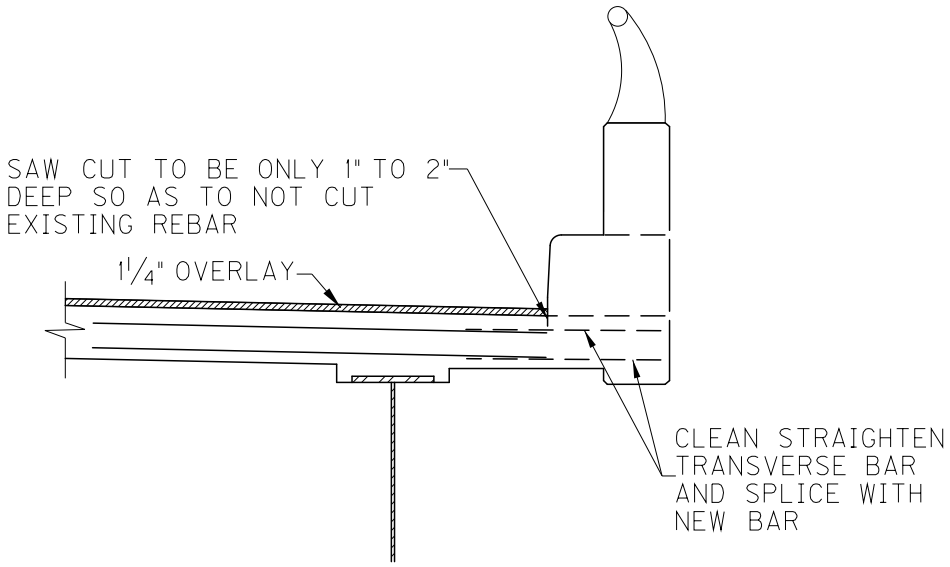


PROPOSED SECTION
@ END BENT

CURB SECTION @ END BENTS

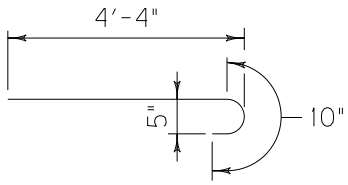


PROPOSED PLAN @ END BENT

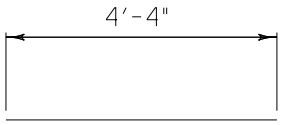


PROPOSED SECTION @ END BENT

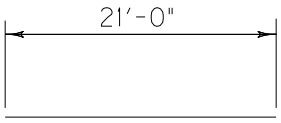
REINFORCEMENT



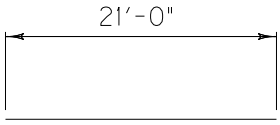
#5 BENT BAR
78 REQ'D EACH END BENT



#5 STRAIGHT BAR
78 REQ'D EACH END BENT



#6 STRAIGHT BAR
20 REQ'D EACH END BENT



#5 STRAIGHT BAR
6 REQ'D END BENT

1,518 LBS EACH END BENT

END BENT REINFORCEMENT

300 LIN. FT. #4 BARS IN 20'-0" LENGTHS

200 LBS. EACH END BENT

MISCELLANEOUS REINFORCEMENT

TOTAL REINFORCEMENT 3,436 LBS.

Item No. 2-2059.00
Audubon Parkway, Daviess County

Special Note for Ride Quality Adjustment

In accordance with Section 503.03.09 for Diamond Grinding JPC Pavement, the following Ride Quality Specifications are to be applied:

IRI measurements were performed on the existing pavement in May 2012. Profile data was evaluated to determine projected IRI values after grinding. The results are attached.

The Department will apply a Ride Quality Adjustment for each 0.1-mile lane section tested. The contractor will be required to achieve the IRI listed in the attached table for each 0.1-mile lane section. The values listed are from the outside travel lane in each direction. These were determined to be the highest limiting values. All other lanes in the respective direction should have equal or lower initial IRI values and will be required to obtain equal or lower final IRI values after grinding. The Department will calculate the adjustment by multiplying the diamond grinding payment for each 0.1-mile section tested by its appropriate ride quality pay value found in the Ride Quality Adjustment Schedule below. ***The sum of the pay value adjustments for ride quality shall not result in a positive incentive payment for project as a whole. A negative sum will result in a disincentive being charged to the contractor.***

When requesting tests on partially completed pavement, the Department will perform one test at no charge. The Department will perform additional requested testing and retesting for corrective work or pavement replacement at a cost of $150 per lane-mile. The Department will deduct charges for additional requested testing and retesting for corrective work from monies due on the Contract.

Item No. 2-2059.00
Audubon Parkway, Daviess County

Ride Quality Adjustment Schedule

All Sections (0.1-mile)	
IRI	**Pay Value Adjustment**
50 or less	$750
51	$630
52	$520
53	$420
54	$330
55	$250
56	$180
57	$120
58	$70
59	$30
60 to Target IRI +10	0
+11	-$30
+12	-$70
+13	-$120
+14	-$180
+15	-$250
+16	-$330
+17	-$420
+18	-$520
+19	-$630
+20	-$750
+21 or higher	$1,200

(1) The Department will not apply a positive pay value for corrective work other than removal and replacement to achieve the IRI.

Start Milepost (mile)	Stop Milepost (mile)	Length (ft)	IRI Before Grinding (in/mi)	IRI After Grinding (in/mi)	Targer IRI (in/mi)
Audubon Parkway Westbound					
23.441	23.341	528.0	190.3	117.9	**100**
23.341	23.241	528.0	171.4	118.2	**100**
23.241	23.141	528.0	199.2	141.7	**100**
23.141	23.041	528.0	205.0	180.5	**100**
23.041	22.941	528.0	186.9	173.3	**100**
22.941	22.841	528.0	163.8	126.9	**100**
22.841	22.741	528.0	159.2	140.9	**100**
22.741	22.641	528.0	214.8	123.5	**100**
22.641	22.541	528.0	159.4	125.0	**100**
22.541	22.441	528.0	124.8	94.8	**85**
22.441	22.341	528.0	115.0	86.5	**75**
22.341	22.241	528.0	129.3	91.8	**80**
22.241	22.141	528.0	125.4	108.9	**100**
22.141	22.041	528.0	148.1	134.7	**100**
22.041	21.941	528.0	129.4	116.6	**100**
21.941	21.841	528.0	132.3	120.7	**100**
21.841	21.741	528.0	155.7	148.6	**100**
21.741	21.641	528.0	154.9	120.2	**100**
21.641	21.541	528.0	128.7	111.5	**100**
21.541	21.441	528.0	132.7	105.2	**95**
21.441	21.341	528.0	157.7	147.3	**100**
21.341	21.241	528.0	147.6	118.5	**100**
21.241	21.141	528.0	156.2	124.3	**100**
21.141	21.041	528.0	124.6	110.4	**100**
21.041	20.941	528.0	144.2	117.1	**100**
20.941	20.841	528.0	154.2	142.7	**100**
20.841	20.741	528.0	149.8	122.2	**100**
20.741	20.641	528.0	109.4	108.9	**100**
20.641	20.541	528.0	127.2	121.8	**100**
20.541	20.441	528.0	122.6	109.0	**100**
20.441	20.341	528.0	141.0	124.3	**100**
20.341	20.241	528.0	142.9	116.3	**100**
20.241	20.141	528.0	141.1	118.6	**100**
20.141	20.041	528.0	148.2	123.9	**100**
20.041	19.941	528.0	142.6	133.2	**100**
19.941	19.841	528.0	154.7	139.6	**100**
19.841	19.741	528.0	127.3	101.6	**90**
19.741	19.641	528.0	123.2	91.7	**80**
19.641	19.541	528.0	93.0	72.6	**65**
19.541	19.441	528.0	85.9	76.4	**65**
19.441	19.341	528.0	78.0	60.3	**60**
19.341	19.241	528.0	93.0	79.3	**70**

Start Milepost (mile)	Stop Milepost (mile)	Length (ft)	IRI Before Grinding (in/mi)	IRI After Grinding (in/mi)	Targer IRI (in/mi)
Audubon Parkway Westbound					
19.241	19.141	528.0	111.4	89.0	**80**
19.141	19.041	528.0	115.4	97.8	**90**
19.041	18.941	528.0	118.8	102.2	**90**
18.941	18.841	528.0	92.8	72.4	**60**
18.841	18.741	528.0	85.2	72.2	**60**
18.741	18.641	528.0	89.0	73.2	**65**
18.641	18.541	528.0	82.4	66.9	**60**
18.541	18.441	528.0	94.3	80.0	**70**
18.441	18.341	528.0	95.0	78.2	**70**
18.341	18.241	528.0	120.1	83.8	**75**
18.241	18.141	528.0	104.4	84.0	**75**
18.141	18.041	528.0	139.7	90.5	**80**
18.041	17.941	528.0	99.8	75.0	**65**
17.941	17.841	528.0	93.1	73.3	**65**
17.841	17.741	528.0	96.8	82.4	**70**
17.741	17.641	528.0	113.2	80.1	**70**
17.641	17.541	528.0	93.7	81.6	**70**
17.541	17.441	528.0	97.0	84.0	**75**
17.441	17.341	528.0	95.0	66.1	**60**
17.341	17.241	528.0	109.3	81.7	**70**
17.241	17.141	528.0	102.4	77.5	**70**
17.141	17.041	528.0	143.5	104.0	**95**
17.041	16.941	528.0	96.6	78.4	**70**
16.941	16.841	528.0	100.6	88.4	**80**
16.841	16.741	528.0	88.9	85.2	**75**
16.741	16.641	528.0	141.4	121.4	**100**
16.641	16.541	528.0	125.5	100.8	**90**
16.541	16.441	528.0	123.1	111.9	**100**
16.441	16.341	528.0	121.0	97.4	**85**
16.341	16.241	528.0	149.0	119.5	**100**
16.241	16.141	528.0	118.3	98.1	**90**
16.141	16.041	528.0	158.4	123.0	**100**
16.041	15.941	528.0	254.9	137.3	**100**
15.941	15.841	528.0	147.8	82.7	**75**

Start Milepost (mile)	Stop Milepost (mile)	Length (ft)	IRI Before Grinding (in/mi)	IRI After Grinding (in/mi)	Targer IRI (in/mi)
Audubon Parkway Eastbound					
15.800	15.900	528.0	201.9	112.8	**100**
15.900	16.000	528.0	184.3	108.6	**100**
16.000	16.100	528.0	210.4	141.2	**100**
16.100	16.200	528.0	161.8	119.3	**100**
16.200	16.300	528.0	128.1	111.7	**100**
16.300	16.400	528.0	127.1	109.8	**100**
16.400	16.500	528.0	160.4	132.9	**100**
16.500	16.600	528.0	137.9	111.5	**100**
16.600	16.700	528.0	140.9	118.6	**100**
16.700	16.800	528.0	131.7	123.2	**100**
16.800	16.900	528.0	149.5	117.5	**100**
16.900	17.000	528.0	123.1	89.5	**80**
17.000	17.100	528.0	168.1	131.6	**100**
17.100	17.200	528.0	161.3	114.1	**100**
17.200	17.300	528.0	146.9	112.4	**100**
17.300	17.400	528.0	145.1	114.6	**100**
17.400	17.500	528.0	136.0	112.5	**100**
17.500	17.600	528.0	134.6	92.5	**85**
17.600	17.700	528.0	136.8	96.9	**85**
17.700	17.800	528.0	170.7	121.2	**100**
17.800	17.900	528.0	155.4	124.4	**100**
17.900	18.000	528.0	111.7	88.7	**80**
18.000	18.100	528.0	164.3	138.5	**100**
18.100	18.200	528.0	154.9	130.9	**100**
18.200	18.300	528.0	145.8	114.2	**100**
18.300	18.400	528.0	168.8	155.3	**100**
18.400	18.500	528.0	146.7	122.8	**100**
18.500	18.600	528.0	109.4	82.7	**75**
18.600	18.700	528.0	105.0	87.4	**75**
18.700	18.800	528.0	117.8	88.3	**80**
18.800	18.900	528.0	125.7	107.5	**100**
18.900	19.000	528.0	129.7	118.9	**100**
19.000	19.100	528.0	116.7	96.9	**85**
19.100	19.200	528.0	122.4	88.6	**80**
19.200	19.300	528.0	137.0	95.7	**85**
19.300	19.400	528.0	125.2	96.2	**85**
19.400	19.500	528.0	125.7	96.5	**85**
19.500	19.600	528.0	116.5	96.3	**85**
19.600	19.700	528.0	121.0	98.9	**90**
19.700	19.800	528.0	130.6	95.9	**85**
19.800	19.900	528.0	121.6	122.7	**100**
19.900	20.000	528.0	108.1	101.5	**90**

Start Milepost (mile)	Stop Milepost (mile)	Length (ft)	IRI Before Grinding (in/mi)	IRI After Grinding (in/mi)	Targer IRI (in/mi)
Audubon Parkway Eastbound					
20.000	20.100	528.0	102.9	95.1	**85**
20.100	20.200	528.0	104.8	89.5	**80**
20.200	20.300	528.0	112.6	95.1	**85**
20.300	20.400	528.0	100.6	77.1	**65**
20.400	20.500	528.0	120.4	111.2	**100**
20.500	20.600	528.0	102.6	92.2	**80**
20.600	20.700	528.0	112.1	97.5	**90**
20.700	20.800	528.0	110.3	104.2	**95**
20.800	20.900	528.0	131.9	118.5	**100**
20.900	21.000	528.0	170.5	145.9	**100**
21.000	21.100	528.0	163.0	137.9	**100**
21.100	21.200	528.0	132.8	113.1	**100**
21.200	21.300	528.0	160.3	122.0	**100**
21.300	21.400	528.0	140.1	111.7	**100**
21.400	21.500	528.0	152.7	137.2	**100**
21.500	21.600	528.0	137.0	100.6	**90**
21.600	21.700	528.0	134.6	104.4	**95**
21.700	21.800	528.0	147.4	126.0	**100**
21.800	21.900	528.0	131.3	104.8	**95**
21.900	22.000	528.0	118.5	89.0	**80**
22.000	22.100	528.0	116.3	93.2	**85**
22.100	22.200	528.0	128.3	101.5	**90**
22.200	22.300	528.0	119.6	109.6	**100**
22.300	22.400	528.0	131.2	112.0	**100**
22.400	22.500	528.0	135.9	107.9	**100**
22.500	22.600	528.0	124.5	98.6	**90**
22.600	22.700	528.0	136.6	96.4	**85**
22.700	22.800	528.0	208.8	132.2	**100**
22.800	22.900	528.0	161.4	135.0	**100**
22.900	23.000	528.0	190.1	160.3	**100**
23.000	23.100	528.0	156.3	123.9	**100**
23.100	23.200	528.0	175.3	144.4	**100**
23.200	23.300	528.0	161.3	113.5	**100**
23.300	23.400	528.0	178.7	125.7	**100**
23.400	23.456	293.7	169.2	149.9	**100**

Right-of-Way Certification Form

Revised 2/22/11

☐ Federal Funded ☑ Original

☑ State Funded ☐ Re-Certification

This form must be completed and submitted to FHWA with the PS&E package for federal-aid funded Interstate, Appalachia, and Major projects. This form shall also be submitted to FHWA for all federal-aid projects that fall under Conditions No. 2 or 3 outlined elsewhere in this form. When Condition No. 2 or 3 apply, KYTC shall resubmit this ROW Certification prior to construction contract Award. For all other federal-aid projects, this form shall be completed and retained in the KYTC project file.

Date: August 29, 2012

Project Name: AU-9005 Letting Date: _____

Project #: _____ County: Daviess

Item #: 02-2059.00 Federal #: _____

Description of Project: Repair and diamond grind concrete pavement on Audubon Parkway from MP 15.883 to MP 23.441.

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, families, and businesses ("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.)

☐ **Condition 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 all improvements and enter on all land. Fair market value has been paid or deposited with the court.

☐ **Condition 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 right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all 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 AWARD of construction contract. (See note 1 below.)

Note 1: The KYTC shall re-submit a right-of-way certification form for this project prior to AWARD of **all** Federal-Aid construction contracts. Award must not to be made until after KYTC has obtained full legal possession and fair market value for all parcels has been paid or deposited with the court and FHWA has concurred in the re-submitted right-of-way certification.

Right-of-Way Certification Form

Revised 2/22/11

☐ **Condition 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 bid letting 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 until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction. 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 concurrence. (See note 2.)

Note 2: The KYTC may request authorization on this basis only in unique and unusual circumstances. Proceeding to bid letting shall be the exception and never become the rule. In all cases, the KYTC shall make extraordinary efforts to expedite completion of the acquisition, payment for all affected parcels, and the relocation of all relocatees prior to AWARD of all Federal-Aid construction contracts or force account construction.

Approved: Jennifer K. Cox (Printed Name) _____ (Signature) 8/29/12 _____ Right-of-Way Supervisor

Approved: DAVID L. ORR (Printed Name) _____ (Signature) 9/4/12 _____ KYTC, Director of ROW &Utilities

Approved: _____ (Printed Name) _____ (Signature) _____ FHWA, ROW Officer (when applicable)

Right-of-Way Certification Form

Revised 2/22/11

Date: August 29, 2012

Project Name: AU-9005
Project #: _____ County: Daviess
Item #: 02-2059.00 Federal #: _____
Letting Date: _____

This project has 0 total number of parcels to be acquired, and 0 total number of individuals or families to be relocated, as well as 0 total number of businesses to be relocated.

_____ Parcels where acquired by a signed fee simple deed and fair market value has been paid

_____ Parcels have been acquired by IOJ through condemnation 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 or have a "right of entry" but fair market value has not been paid or has not been deposited with the court *(explain below for each parcel)*

_____ Relocatees have not been relocated from parcels ____, ____, ____, ____, ____, ____, and ____ *(explain below for each parcel)*

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 0 billboards and/or 0 cemeteries involved on this project.

There are 0 water or monitoring wells on parcels ____, ____, ____, ____, and ____. All have been acquired and are the responsibility of the project contractor to close/cap.

Form Effective Date: April 1, 2006
Last Revised: February 22, 2011

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

SPECIFICATIONS REFERENCE

Any reference in the plans or proposal to previous editions of the *Standard Specifications for Road and Bridge Construction* and *Standard Drawings* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2012* and *Standard Drawings, Edition of 2012 with the 2012 Revision.*

Supplemental Specifications to the Standard Specifications for Road and Bridge Construction, 2012 Edition

(Effective with the August 17, 2012 Letting)

Subsection:	402.03.02 Contractor Quality Control and Department Acceptance.
Part:	D) Testing Responsibilites.
Number:	4) Density.
Revision:	Replace the second sentence of the Option A paragraph with the following: Perform coring by the end of the following work day.
Subsection:	606.03.17 Special Requirements for Latex Concrete Overlays.
Part:	A) Existing Bridges and New Structures.
Number:	1) Prewetting and Grout-Bond Coat.
Revision:	Add the following sentence to the last paragraph: Do not apply a grout-bond coat on bridge decks prepared by hydrodemolition.
Subsection:	609.03 Construction.
Revision:	Replace Subsection 609.03.01 with the following: 609.03.01 A) Swinging the Spans. Before placing concrete slabs on steel spans or precast concrete release the temporary erection supports under the bridge and swing the span free on its supports. 609.03.01 B) Lift Loops. Cut all lift loops flush with the top of the precast beam once the beam is placed in the final location and prior to placing steel reinforcement. At locations where lift loops are cut, paint the top of the beam with galvanized or epoxy paint.

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS

LABOR AND WAGE REQUIREMENTS
APPLICABLE TO OTHER THAN FEDERAL-AID SYSTEM PROJECTS

I. APPLICATION

1. These contract provisions shall apply to all work performed on the contract by the contractor with his own organization and with the assistance of workmen under his immediate superintendence and to all work performed on the contract by piecework, station work or by subcontract. The contractor's organization shall be construed to include only workmen employed and paid directly by the contractor and equipment owned or rented by him, with or without operators.

2. The contractor shall insert in each of his subcontracts all of the stipulations contained in these Required Provisions and such other stipulations as may be required.

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

II. NONDISCRIMINATION OF EMPLOYEES

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 administrating agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

III. PAYMENT OF PREDETERMINED MINIMUM WAGES

1. These special provisions are supplemented elsewhere in the contract by special provisions which set forth certain predetermined minimum wage rates. The contractor shall pay not less than those rates.

2. The minimum wage determination schedule shall be posted by the contractor, in a manner prescribed by the Department of Highways, at the site of the work in prominent places where it can be easily seen by the workers.

IV. STATEMENTS AND PAYROLLS

1. All contractors and subcontractors affected by the terms of KRS 337.505 to 337.550 shall keep full and accurate payroll records covering all disbursements of wages to their employees to whom they are required to pay not less than the prevailing rate of wages. Payrolls and basic records relating thereto will be maintained during the course of the work and preserved for a period of one (1) year from the date of completion of this contract.

2. The payroll records shall contain the name, address and social security number of each employee, his correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made and actual wages paid.

3. The contractor shall make his daily records available at the project site for inspection by the State Department of Highways contracting office or his authorized representative.

Periodic investigations shall be conducted as required to assure compliance with the labor provisions of the contract. Interrogation of employees and officials of the contractor shall be permitted during working hours.

Aggrieved workers, Highway Managers, Assistant District Engineers, Resident Engineers and Project Engineers shall report all complaints and violations to the Division of Contract Procurement.

The contractor shall be notified in writing of apparent violations. The contractor may correct the reported violations and notify the Department of Highways of the action taken or may request an informal hearing. The request for hearing shall be in writing within ten (10) days after receipt of the notice of the reported violation. The contractor may submit

records and information which will aid in determining the true facts relating to the reported violations.

Any person or organization aggrieved by the action taken or the findings established as a result of an informal hearing by the Division of Contract Procurement may request a formal hearing.

4. The wages of labor shall be paid in legal tender of the United States, except that this condition will be considered satisfied if payment is made by a negotiable check, on a solvent bank, which may be cashed readily by the employee in the local community for the full amount, without discount or collection charges of any kind. Where checks are used for payments, the contractor shall make all necessary arrangements for them to be cashed and shall give information regarding such arrangements.

5. No fee of any kind shall be asked or accepted by the contractor or any of his agents from any person as a condition of employment on the project.

6. No laborers shall be charged for any tools used in performing their respective duties except for reasonably avoidable loss or damage thereto.

7. Every employee on the work covered by this contract shall be permitted to lodge, board, and trade where and with whom he elects and neither the contractor nor his agents, nor his employees shall directly or indirectly require as a condition of employment that an employee shall lodge, board or trade at a particular place or with a particular person.

8. Every employee on the project covered by this contract shall be an employee of either the prime contractor or an approved subcontractor.

9. No charge shall be made for any transportation furnished by the contractor or his agents to any person employed on the work.

10. No individual shall be employed as a laborer or mechanic on this contract except on a wage basis, but this shall not be construed to prohibit the rental of teams, trucks or other equipment from individuals.

No Covered employee may be employed on the work except in accordance with the classification set forth in the schedule mentioned above; provided, however, that in the event additional classifications are required, application shall be made by the contractor to the Department of Highways and (1) the Department shall request appropriate classifications and rates from the proper agency, or (2) if there is urgent need for additional classification to avoid undue delay in the work, the contractor may employ such workmen at rates deemed comparable to rates established for similar classifications provided he has made written application through the Department of Highways, addressed to the proper agency, for the supplemental rates. The contractor shall retroactively adjust, upon receipt of the supplemental rates schedule, the wages of any employee paid less than the established rate and may adjust the wages of any employee overpaid.

11. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic in any work-week in which he is employed on such work, to work in excess of eight hours in any calendar day or in excess of forty hours in such work-week unless such laborer or mechanic receives compensation at a rate not less than one and one half times his basic rate of pay for all hours worked in excess of eight hours in any calendar day or in excess of forty hours in such work-week. 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. This agreement shall be in writing and shall be executed prior to the employee working in excess of eight (8) hours, but not more than ten (10) hours, in any one (1) calendar day.

12. Payments to the contractor may be suspended or withheld due to failure of the contractor to pay any laborer or mechanic employed or working on the site of the work, all or part of the wages required under the terms of the contract. The Department may suspend or withhold payments only after the contractor has been given written notice of the alleged violation and the contractor has failed to comply with the wage determination of the Department of Highways.

13. Contractors and subcontractors shall comply with the sections of Kentucky Revised Statutes, Chapter 337 relating to contracts for Public Works.

Revised 2-16-95

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.

Kentucky Equal Employment Opportunity Act of 1978

The requirements of the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) shall apply to this Contract. The apparent low Bidder will be required to submit EEO forms to the Division of Construction Procurement, which will then forward to the Finance and Administration Cabinet for review and approval. No award will become effective until all forms are submitted and EEO/CC has certified compliance. The required EEO forms are as follows:

- EEO-1: Employer Information Report
- Affidavit of Intent to Comply
- Employee Data Sheet
- Subcontractor Report

These forms are available on the Finance and Administration's web page under ***Vendor Information, Standard Attachments and General Terms*** at the following address: **https://www.eProcurement.ky.gov**.

Bidders currently certified as being in compliance by the Finance and Administration Cabinet may submit a copy of their approval letter in lieu of the referenced EEO forms.

For questions or assistance please contact the Finance and Administration Cabinet by email at **finance.contractcompliance@ky.gov** or by phone at 502-564-2874.

General Decision Number: KY120127 08/31/2012 KY127

Superseded General Decision Number: KY20100214

State: Kentucky

Construction Type: Highway

Counties: Allen, Ballard, Butler, Caldwell, Calloway, Carlisle, Christian, Crittenden, Daviess, Edmonson, Fulton, Graves, Hancock, Henderson, Hickman, Hopkins, Livingston, Logan, Lyon, Marshall, McCracken, McLean, Muhlenberg, Ohio, Simpson, Todd, Trigg, Union, Warren and Webster Counties in Kentucky.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Modification Number	Publication Date
0	01/06/2012
1	01/13/2012
2	02/10/2012
3	05/18/2012
4	05/25/2012
5	06/01/2012
6	06/15/2012
7	07/06/2012
8	07/13/2012
9	07/20/2012
10	08/03/2012
11	08/10/2012
12	08/24/2012
13	08/31/2012

BRIN0004-002 06/01/2011

BALLARD, BUTLER, CALDWELL, CARLISLE, CRITTENDEN, DAVIESS, EDMONSON, FULTON, GRAVES, HANCOCK, HENDERSON, HICKMAN, HOPKINS, LIVINGSTON, LYON, MARSHALL, MCCRACKEN, MCLEAN, MUHLENBERG, OHIO, UNION, and WEBSTER COUNTIES

	Rates	Fringes
BRICKLAYER		
Ballard, Caldwell, Carlisle, Crittenden, Fulton, Graves, Hickman, Livingston, Lyon, Marshall, and McCracken Counties	$ 24.11	10.30
Butler, Edmonson, Hopkins, Muhlenberg, and Ohio Counties	$ 24.61	10.22
Daviess, Hancock,		

Henderson, McLean, Union,
and Webster Counties.....$ 28.47 12.78

BRTN0004-005 05/01/2009

ALLEN, CALLOWAY, CHRISTIAN, LOGAN, SIMPSON, TODD, TRIGG, and WARREN COUNTIES

	Rates	Fringes
BRICKLAYER	$ 24.52	1.83

CARP0357-002 07/01/2012

	Rates	Fringes
CARPENTER	$ 26.40	13.91
Diver	$ 39.98	13.91
PILEDRIVERMAN	$ 26.65	13.91

ELEC0369-006 05/30/2012

BUTLER, EDMONSON, LOGAN, TODD & WARREN COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 29.32	13.78

ELEC0429-001 02/01/2010

ALLEN & SIMPSON COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 21.85	10.35

ELEC0816-002 06/01/2011

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON (Except a 5 mile radius of City Hall in Fulton), GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN & TRIGG COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 29.47	25.5%+5.35

Cable spicers receive $.25 per hour additional.

ELEC1701-003 06/01/2012

DAVIESS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, MUHLENBERG, OHIO, UNION & WEBSTER COUNTIES:

	Rates	Fringes
ELECTRICIAN	$ 29.52	13.66

Cable spicers receive $.25 per hour additional.

---

* ELEC1925-002 06/01/2012

FULTON COUNTY (Up to a 5 mile radius of City Hall in Fulton):

	Rates	Fringes
CABLE SPLICER	$ 25.00	10.27
ELECTRICIAN	$ 25.00	10.43

ENGI0181-017 07/01/2012

	Rates	Fringes
Operating Engineer:		
GROUP 1	$ 27.35	13.40
GROUP 2	$ 24.87	13.40
GROUP 3	$ 25.26	13.40
GROUP 4	$ 24.60	13.40

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - 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; Cherry Picker; Clamshell; Concrete Mixer (21 cu. ft. or Over); Concrete Paver; Truck-Mounted Concrete Pump; Core Drill; Crane; Crusher Plant; Derrick; Derrick Boat; Ditching & Trenching Machine; Dragline; Dredge Operator; Dredge Engineer; Elevating Grader & 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; Mechanic; Mechanically Operated Laser Screed; Mechanic Welder; Mucking Machine; Motor Scraper; Orangepeel Bucket; Overhead Crane; Piledriver; Power Blade; Pumpcrete; Push Dozer; Rock Spreader, attached to equipment; Rotary Drill; Roller (Bituminous); Rough Terrain Crane; Scarifier; Scoopmobile; Shovel; Side Boom; Subgrader; Tailboom; Telescoping Type Forklift; Tow or Push Boat; Tower Crane (French, German & other types); Tractor Shovel; Truck Crane; Tunnel Mining Machines, including Moles, Shields or similar types of Tunnel Mining Equipment

GROUP 2 - 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; Firemen & 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 Conrete Pump; Skid Steer Machine with all Attachments; Switchman or Brakeman; Throttle Valve Person; Tractair & Road Widening Trencher; Tractor (50 H.P. or Over); Truck Crane Oiler; Tugger;

Welding Machine; Well Points;& Whirley Oiler

GROUP 3 -All Off Road Material Handling Equipment, including Articulating Dump Trucks; Greaser on Grease Facilities servicing Heavy Equipment

GROUP 4 - Bituminous Distributor; Burlap & 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.); & Vibrator

CRANES - with booms 150 ft. & Over (Including JIB), and where the length of the boom in combination with the length of the piling equals or exceeds 150 ft. - $1.00 above Group 1 rate

EMPLOYEES ASSIGNED TO WORK BELOW GROUND LEVEL ARE TO BE PAID 10% ABOVE BASIC WAGE RATE. THIS DOES NOT APPLY TO OPEN CUT WORK.

IRON0070-005 06/01/2012

BUTLER COUNTY (Eastern eighth, including the Townships of Decker, Lee & Tilford);
EDMONSON COUNTY (Northern three-fourths, including the Townships of Asphalt, Bee Spring, Brownsville, Grassland, Huff, Kyrock, Lindseyville, Mammoth Cave, Ollie, Prosperity, Rhoda, Sunfish & Sweden)

	Rates	Fringes
Ironworkers: Structural; Ornamental; Reinforcing; Precast Concrete Erectors	$ 26.34	18.58

IRON0103-004 04/01/2011

DAVIESS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, OHIO, UNION & WEBSTER COUNTIES
BUTLER COUNTY (Townships of Aberdeen, Bancock, Casey, Dexterville, Dunbar, Elfie, Gilstrap, Huntsville, Logansport, Monford, Morgantown, Provo, Rochester, South Hill & Welchs Creek);
CALDWELL COUNTY (Northeastern third, including the Township of Creswell);
CHRISTIAN COUNTY (Northern third, including the Townships of Apex, Crofton, Kelly, Mannington & Wynns);
CRITTENDEN COUNTY (Northeastern half, including the Townships of Grove, Mattoon, Repton, Shady Grove & Tribune);
MUHLENBERG COUNTY (Townships of Bavier, Beech Creek Junction, Benton, Brennen, Browder, Central City, Cleaton, Depoy, Drakesboro, Eunis, Graham, Hillside, Luzerne, Lynn City, Martwick, McNary, Millport, Moorman, Nelson, Paradise, Powderly, South Carrollton, Tarina & Weir)

	Rates	Fringes
Ironworkers:	$ 28.25	14.475

IRON0492-003 05/01/2012

ALLEN, LOGAN, SIMPSON, TODD & WARREN COUNTIES
BUTLER COUNTY (Southern third, including the Townships of Boston, Berrys Lick, Dimple, Jetson, Quality, Sharer, Sugar Grove & Woodbury);
CHRISTIAN COUNTY (Eastern two-thirds, including the Townships of Bennettstown, Casky, Herndon, Hopkinsville, Howell, Masonville, Pembroke & Thompsonville);
EDMONSON COUNTY (Southern fourth, including the Townships of Chalybeate & Rocky Hill);
MUHLENBERG COUNTY (Southern eighth, including the Townships of Dunnior, Penrod & Rosewood)

	Rates	Fringes
Ironworkers:	$ 23.00	10.70

IRON0782-006 05/01/2012

BALLARD, CALLOWAY, CARLISLE, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN & TRIGG COUNTIES
CALDWELL COUNTY (Southwestern two-thirds, including the Townships of Cedar Bluff, Cider, Claxton, Cobb, Crowtown, Dulaney, Farmersville, Fredonia, McGowan, Otter Pond & Princeton);
CHRISTIAN COUNTY (Western third, Excluding the Townships of Apex, Crofton, Kelly, Mannington, Wynns, Bennettstown, Casky, Herndon, Hopkinsville, Howell, Masonville, Pembroke & Thompsonville);
CRITTENDEN COUNTY (Southwestern half, including the Townships of Crayne, Dycusburg, Frances, Marion, Mexico, Midway, Sheridan & Told)

	Rates	Fringes
Ironworkers:		
Projects with a total contract cost of $20,000,000.00 or above	$ 26.00	18.91
All Other Work	$ 24.66	17.65

LABO0189-005 07/01/2012

BALLARD, CALLOWAY, CARLISLE, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL & MCCRACKEN COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 20.75	11.81
GROUP 2	$ 21.00	11.81
GROUP 3	$ 21.05	11.81

GROUP 4.....$ 21.65 11.81

LABORER CLASSIFICATIONS

GROUP 1 - Aging & 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 & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

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

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

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

---

LABO0189-006 07/01/2012

ALLEN, BUTLER, CALDWELL, CHRISTIAN, DAVIESS, EDMONSON, HANCOCK, HOPKINS, LOGAN, MCLEAN, MUHLENBERG, OHIO, SIMPSON, TODD, TRIGG & WARREN COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 21.96	10.60
GROUP 2	$ 22.21	10.60
GROUP 3	$ 22.26	10.60
GROUP 4	$ 22.86	10.60

LABORER CLASSIFICATIONS

GROUP 1 - Aging & 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 & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

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

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

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

---

LABO0561-001 07/01/2012

CRITTENDEN, HENDERSON, UNION & WEBSTER COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1	$ 20.86	11.70
GROUP 2	$ 21.11	11.70
GROUP 3	$ 21.16	11.70
GROUP 4	$ 21.76	11.70

LABORER CLASSIFICATIONS

GROUP 1 - Aging & 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 & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer;

Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

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

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

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

---

PAIN0032-002 05/01/2012

BALLARD COUNTY

	Rates	Fringes
Painters:		
Bridges	$ 30.56	14.20
All Other Work	$ 28.26	14.20

Spray, Blast, Steam, High & Hazardous (Including Lead Abatement) and All Epoxy - $1.00 Premium

---

PAIN0118-003 05/01/2010

EDMONSON COUNTY:

	Rates	Fringes
Painters:		
Brush & Roller	$ 18.50	10.30
Spray, Sandblast, Power Tools, Waterblast & Steam Cleaning	$ 19.50	10.30

PAIN0156-006 04/01/2010

DAVIESS, HANCOCK, HENDERSON, MCLEAN, OHIO, UNION & WEBSTER COUNTIES

	Rates	Fringes
Painters:		
BRIDGES		
GROUP 1	$ 25.60	10.05
GROUP 2	$ 25.85	10.05
GROUP 3	$ 26.60	10.05
GROUP 4	$ 27.60	10.05
ALL OTHER WORK:		
GROUP 1	$ 25.60	11.30
GROUP 2	$ 25.85	11.30
GROUP 3	$ 26.60	11.30
GROUP 4	$ 27.60	11.30

PAINTER CLASSIFICATIONS

GROUP 1 - Brush & Roller

GROUP 2 - Plasterers

GROUP 3 - Spray; Sandblast; Power Tools; Waterblast; Steamcleaning; Brush & Roller of Mastics, Creosotes, Kwinch Koate & Coal Tar Epoxy

GROUP 4 - Spray of Mastics, Creosotes, Kwinch Koate & Coal Tar Epoxy

---

PAIN0456-003 07/01/2011

ALLEN, BUTLER, LOGAN, MUHLENBERG, SIMPSON, TODD & WARREN COUNTIES:

	Rates	Fringes
Painters:		
BRIDGES		
Brush & Roller	$ 22.55	9.65
Spray; Sandblast; Power Tools; Waterblast & Steam Cleaning	$ 23.55	9.65
ALL OTHER WORK		
Brush & Roller	$ 17.55	9.65
Spray; Sandblast; Power Tools; Waterblast & Steam Cleaning	$ 18.55	9.65

ALL OTHER WORK - HIGH TIME PAY
Over 35 feet (up to 100 feet) - $1.00 above base wage
100 feet and over - $2.00 above base wage

DURING SPRAY PAINTING AND SANDBLASTING OPERATIONS, POT TENDERS SHALL RECEIVE THE SAME WAGE RATES AS THE SPRAY PAINTER OR NOZZLE OPERATOR

PAIN0500-002 07/01/2012

CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON, GRAVES, HICKMAN, HOPKINS, LIVINGSTON, LYON, MARSHALL, MCCRACKEN & TRIGG COUNTIES:

	Rates	Fringes
Painters:		
Bridges	$ 25.25	11.90
All Other Work	$ 19.00	11.90

Waterblasting units with 3500 PSI and above - $.50 premium
Spraypainting and all abrasive blasting - $1.00 premium
Work 40 ft. and above ground level - $1.00 premium

PLUM0184-002 07/01/2011

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN and TRIGG COUNTIES

	Rates	Fringes
Plumber; Steamfitter	$ 31.45	13.99

PLUM0502-004 08/01/2011

ALLEN, BUTLER, EDMONSON, SIMPSON & WARREN

	Rates	Fringes
Plumber; Steamfitter	$ 31.00	16.13

PLUM0633-002 07/01/2011

DAVIESS, HANCOCK, HENDERSON, HOPKINS, LOGAN, MCLEAN, MUHLENBERG, OHIO, TODD, UNION & WEBSTER COUNTIES:

	Rates	Fringes
PLUMBER/PIPEFITTER	$ 29.22	12.65

TEAM0089-003 04/01/2012

Zone 1: ALLEN, BUTLER, EDMONSON, LOGAN, SIMPSON, & WARREN COUNTIES
Zone 2: BALLARD, CALLOWAY, CALDWELL, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN, TODD, & TRIGG COUNTIES
Zone 3: DAVIESS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, MUHLENBERG, OHIO, & WEBSTER COUNTIES

	Rates	Fringes
Truck drivers:		
Zone 1:		
Group 1	$ 19.38	16.15
Group 2	$ 19.56	16.15
Group 3	$ 19.64	16.15
Group 4	$ 19.66	16.15

Zone 2:		
Group 1	$ 19.38	16.15
Group 2	$ 19.56	16.15
Group 3	$ 19.56	16.15
Group 4	$ 19.66	16.15
Group 5	$ 19.64	16.15
Zone 3:		
Group 1	$ 19.38	16.15
Group 2	$ 19.56	16.15
Group 3	$ 19.56	16.15
Group 4	$ 19.66	16.15

TRUCK DRIVER CLASSIFICATIONS FOR ZONE 1:

GROUP 1 - Greaser; Tire Changer

GROUP 2 - Truck Mechanic; Single Axle Dump; Flat Bed; All Terrain Vehicles when used to haul materials; Semi Trailer or Pole Trailer when used to pull building materials and equipment; Tandem Axle Dump; Driver of Distributors

GROUP 3 - Mixer All Types

GROUP 4 - Winch and A-Frame when used in transporting materials; Ross Carrier; Fork Lift when used to transport building materials; Driver on Pavement Breaker; Euclid and Other Heavy Earth Moving Equipment; Low Boy; Articulator Cat; Five Axle Vehicle

TRUCK DRIVER CLASSIFICATIONS FOR ZONE 2:

GROUP 1 - Greaser; Tire Changer

GROUP 2 - Truck Mechanic

GROUP 3 - Single Axle Dump; Flat Bed; all Terrain Vehicles when used to haul materials; Semi Trailer or Pole Trailer when used to pull building materials and equipment; Tandem Axle Dump; Driver of Distributors

GROUP 4 - Euclid and Other Heavy Earth Moving Equipment; Low Boy; Articulator Cat; Five Axle Vehicle; Winch and A-Frame when used in transporting materials; Ross Carrier

GROUP 5 - Mixer All Types

TRUCK DRIVER CLASSIFICATIONS FOR ZONE 3:

GROUP 1 - Greaser, Tire Changer

GROUP 2 - Truck Mechanic

GROUP 3 - Single Axle Dump; Flat Bed; all Terrain Vehicle when used to haul materials; Semi Trailer or Pole Trailer when used to pull building materials and equipment; Tandem Axle Dump; Driver of Distributors; Mixer All Types

GROUP 4 - Euclid and Other Heavy Earth moving Equipment;

Lowboy; Articulator Cat; 5 Axle Vehicle; Winch and A-Frame when used in transporting materials; Ross Carrier; Fork Lift when used to transport building materials; Driver on Pavement Breaker

---

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

==========

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification and wage rates that have been found to be prevailing for the cited type(s) of construction in the area covered by the wage determination. The classifications are listed in alphabetical order of "identifiers" that indicate whether the particular rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with characters other than "SU" denotes that the union classification and rate have found to be prevailing for that classification. Example: PLUM0198-005 07/01/2011. The first four letters , PLUM, indicate the international union and the four-digit number, 0198, that follows indicates the local union number or district council number where applicable , i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2011, following these characters is the effective date of the most current negotiated rate/collective bargaining agreement which would be July 1, 2011 in the above example.

Union prevailing wage rates will be updated to reflect any changes in the collective bargaining agreements governing the rate.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived from survey data by computing average rates and are not union rates; however, the data used in computing these rates may include both union and non-union data. Example: SULA2004-007 5/13/2010. SU indicates the rates are not union rates, LA indicates the State of Louisiana; 2004 is the year of the survey; and 007 is an internal number used in producing the wage determination. A 1993 or later date, 5/13/2010, indicates the classifications and rates under that identifier were issued as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

* an existing published wage determination
* a survey underlying a wage determination
* a Wage and Hour Division letter setting forth a position on a wage determination matter
* a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

==========

END OF GENERAL DECISION

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

These rates are listed pursuant to the Kentucky Determination No. CR-III-I-HWY dated September 5, 2012.

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.

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.

Ryan Griffith, Director
Division of Construction Procurement
Frankfort, Kentucky 40622

PART IV

INSURANCE

INSURANCE

The Contractor shall procure and maintain the following insurance in addition to the insurance required by law:

1) Commercial General Liability-Occurrence form – not less than $2,000,000 General aggregate, $2,000,000 Products & Completed Aggregate, $1,000,000 Personal & Advertising, $1,000,000 each occurrence.

2) Automobile Liability- $1,000,000 per accident

3) Employers Liability:

   a) $100,000 Each Accident Bodily Injury
   b) $500,000 Policy limit Bodily Injury by Disease
   c) $100,000 Each Employee Bodily Injury by Disease

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) KENTUCKY 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.

The cost of insurance is incidental to all contract items. All subcontractors must meet the same minimum insurance requirements.

PART V

BID ITEMS

KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
FRANKFORT, KY 40622

CONTRACT ID: 121038 PAGE: 1
COUNTY: DAVIESS LETTING: 09/14/12
PROPOSAL: FD04 SPP 030 9005 015-024 CALL NO: 318

LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
	SECTION 0001	ROADWAY			
0010	00078	CRUSHED AGGREGATE SIZE NO 2	300.000 TON		
0020	00309	CL2 ASPH SURF 0.50D PG64-22	12,977.000 TON		
0030	00462	CULVERT PIPE-18 IN	52.000 LF		
0040	01310	REMOVE PIPE	52.000 LF		
0050	01450	S & F BOX INLET-OUTLET-18 IN	2.000 EACH		
0060	01691	FLUME INLET TYPE 2	6.000 EACH		
0070	01718	REMOVE INLET FLUME INLET	6.000 EACH		
0080	01890	ISLAND HEADER CURB TYPE 1	8,366.000 LF		
0090	01982	DELINEATOR FOR GUARDRAIL MONO DIRECTIONA	WHITE592.000 EACH		
0100	01983	DELINEATOR FOR GUARDRAIL MONO DIRECTIONA	YELLOW03.000 EACH		
0110	02014	BARRICADE-TYPE III	20.000 EACH		
0120	02058	REMOVE PCC PAVEMENT	22,194.000 SQYD		
0130	02060	PCC PAVEMENT DIAMOND GRINDING	224,790.000 SQYD		
0140	02073	JPC PAVEMENT-9 IN	22,194.000 SQYD		
0150	02115	SAW-CLEAN-RESEAL TVERSE JOINT	40,470.000 LF		
0160	02116	SAW-CLEAN-RESEAL LONGIT JOINT	86,238.000 LF		
0170	02237	DITCHING	5,000.000 LF		
0180	02352	GUARDRAIL-STEEL W BEAM-D FACE	900.000 LF		
0190	02360	GUARDRAIL TERMINAL SECTION NO 1	1.000 EACH		
0200	02363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	13.000 EACH		

KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
FRANKFORT, KY 40622

CONTRACT ID: 121038 PAGE: 2
COUNTY: DAVIESS LETTING: 09/14/12
PROPOSAL: FD04 SPP 030 9005 015-024 CALL NO: 318

LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0210	02365	CRASH CUSHION TYPE IX-A	4.000 EACH		
0220	02367	GUARDRAIL END TREATMENT TYPE 1	3.000 EACH		
0230	02369	GUARDRAIL END TREATMENT TYPE 2A	32.000 EACH		
0240	02373	GUARDRAIL END TREATMENT TYPE 3	2.000 EACH		
0250	02381	REMOVE GUARDRAIL	35,278.000 LF		
0260	02387	GUARDRAIL CONNECTOR TO BRIDGE END TY A-1	5.000 EACH		
0270	02391	GUARDRAIL END TREATMENT TYPE 4A	2.000 EACH		
0280	02484	CHANNEL LINING CLASS III	120.000 TON		
0290	02562	SIGNS	1,800.000 SQFT		
0300	02600	FABRIC GEOTEXTILE TY IV FOR PIPE	90.000 SQYD	2.00	180.00
0310	02650	MAINTAIN & CONTROL TRAFFIC	(1.00) LS		
0320	02671	PORTABLE CHANGEABLE MESSAGE SIGN	6.000 EACH		
0330	02676	MOBILIZATION FOR MILL & TEXT	(1.00) LS		
0340	02677	ASPHALT PAVE MILLING & TEXTURING	12,977.000 TON		
0350	02726	STAKING	(1.00) LS		
0360	02775	ARROW PANEL	4.000 EACH		
0370	03225	TUBULAR MARKERS	560.000 EACH		
0380	04933	TEMP SIGNAL 2 PHASE	2.000 EACH		
0390	05950	EROSION CONTROL BLANKET	37,000.000 SQYD		
0400	06417	FLEXIBLE DELINEATOR POST-W	218.000 EACH		
0410	06418	FLEXIBLE DELINEATOR POST-Y	112.000 EACH		

KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
FRANKFORT, KY 40622

CONTRACT ID: 121038 PAGE: 3
COUNTY: DAVIESS LETTING: 09/14/12
PROPOSAL: FD04 SPP 030 9005 015-024 CALL NO: 318

LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0420	06511	PAVE STRIPING-TEMP PAINT-6 IN	274,656.000 LF		
0430	06549	PAVE STRIPING-TEMP REM TAPE-B	5,000.000 LF		
0440	06550	PAVE STRIPING-TEMP REM TAPE-W	5,000.000 LF		
0450	06551	PAVE STRIPING-TEMP REM TAPE-Y	5,000.000 LF		
0460	06592	PAVEMENT MARKER TYPE V-B W/R	1,076.000 EACH		
0470	06593	PAVEMENT MARKER TYPE V-B Y/R	335.000 EACH		
0480	06600	REMOVE PAVEMENT MARKER TYPE V	1,096.000 EACH		
0490	10020NS	FUEL ADJUSTMENT	12,473.000 DOLL	1.00	12,473.00
0500	10030NS	ASPHALT ADJUSTMENT	23,359.000 DOLL	1.00	23,359.00
0510	20099ES842	PAVE MARK TEMP PAINT STOP BAR	48.000 LF		
0520	20192ED	REM ASPHALT WEDGE CURB	8,666.000 LF		
0530	20409ED	SLIP RAMP #1	(1.00) LS		
0540	20409ED	SLIP RAMP #2	(1.00) LS		
0550	20409ED	SLIP RAMP #3	(1.00) LS		
0560	20409ED	SLIP RAMP #4	(1.00) LS		
0570	20467NS112	RELOCATE TUBULAR MARKER	560.000 EACH		
0580	20545ND	TEMP MEDIAN CROSSOVER	4.000 EACH		
0590	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	34,087.500 LF		
0600	23143ED	KPDES PERMIT AND TEMP EROSION CONTROL	(1.00) LS		
0610	23237EN10W	WATERBLAST STRIPE REMOVAL	137,328.000 LF		
0620	23394EC	CRASH CUSHION TY VI CLASS C TL3-1	1.000 EACH		

KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS
FRANKFORT, KY 40622

CONTRACT ID: 121038 PAGE: 4
COUNTY: DAVIESS LETTING: 09/14/12
PROPOSAL: FD04 SPP 030 9005 015-024 CALL NO: 318

LINE NO	ITEM	DESCRIPTION	APPROXIMATE UNIT QUANTITY	UNIT PRICE	AMOUNT
0630	23845EC	SAW AND SEAL ASPHALT JOINT	4,658.000 LF		
0640	24189ER	DURABLE WATERBORNE MARKING-6 IN W	120,377.000 LF		
0650	24190ER	DURABLE WATERBORNE MARKING-6 IN Y	111,652.000 LF		
0660	24191ER	DURABLE WATERBORNE MARKING-12 IN W	4,092.000 LF		
	SECTION 0002	BRIDGE			
0670	03300	ELIMINATE TRANSVERSE JOINT	219.500 LF		
0680	08150	STEEL REINFORCEMENT	9,620.000 LB		
0690	08504	EPOXY SAND SLURRY	522.000 SQYD		
0700	08510	REM EPOXY BIT FOREIGN OVERLAY	1,218.000 SQYD		
0710	08526	CONC CLASS M FULL DEPTH PATCH	8.000 CUYD		
0720	08534	CONCRETE OVERLAY-LATEX	62.800 CUYD		
0730	08549	BLAST CLEANING	2,226.000 SQYD		
0740	08551	MACHINE PREP OF SLAB	642.000 SQYD		
0750	24094EC	PARTIAL DEPTH PATCHING	12.600 CUYD		
	SECTION 0003	MOB AND DEMOB			
0760	02568	MOBILIZATION (NO MORE THAN 5%)	LUMP		
0770	02569	DEMOBILIZATION (AT LEAST 1.5%)	LUMP		
		TOTAL BID			