



COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET

[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

Andy Beshear  
GOVERNOR

Jim Gray  
SECRETARY

July 17, 2020

CALL NO. 100  
CONTRACT ID NO. 201308  
ADDENDUM # 1

Subject: SHELBY COUNTY, STP 1551 (028)  
Letting July 24, 2020

- (1) Revised - Traffic Management Plan - Pages 21-35 of 180
- (2) Revised - CAP Report - Page 104 of 180
- (3) Revised - Proposal Bid Items - Pages 175-180(a) of 180
- (4) Revised - Plan Sheets R1, R2J, R2K, R3, R4, R5, R72, X1, X57, X58, X59, X60, and X61

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.  
Director  
Division of Construction Procurement

RM:mr  
Enclosures

# KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS TRAFFIC MANAGEMENT PLAN

County: Shelby Item No.: 5-8511.00

Federal Project No.: FD52 106 0053 006-009, STP 1551 (028)

Project Description:

Widen KY 53

Roadway Classification:  Urban  Rural  
 Local  Collector  Arterial  Interstate

ADT (current) 16,900, AM Peak Current 3,250, PM Peak Current 3,250, 4% Trucks 18% (2028)

Project Designation:  Significant  Other:

### Traffic Control Plan Design:

Taper and Diversion Design Speeds 45 mph

Minimum Lane Width: 10' Minimum Shoulder Width 0'

Minimum Bridge Width 30'

Minimum Radius 2075' Maximum Grade 3.73%

Minimum Taper Length: 100 Minimum Intersection Level of Service n/a

Existing Traffic Queue Lengths N/A Projected Traffic Queue Lengths N/A

Comments:

Project is to widen KY 53 from 2 lanes to 4 lanes w/ raised median. Two lanes of traffic will be maintained along KY 53. This project is designated as "Significant", a Public Information Plan (PIP) will be included for the project. Public outreach will be critical for encouraging drivers to slow down and/or divert to other routes. The specified completion date for this project is October 31, 2022.

**KENTUCKY TRANSPORTATION CABINET  
 DEPARTMENT OF HIGHWAYS  
 TRAFFIC MANAGEMENT PLAN**

Item No. 5-8511.00

**Discussion:** Significant Project

<b>1) Public Information Plan</b>	
a) Prepare with assistance from <input checked="" type="checkbox"/> KYTC or <input type="checkbox"/> n/a	
b) Identify Trip Generators      n/a	f) Railroad Involvement      Referenced
c) Identify Types of Road Users      n/a	g) Address Pedestrians, Bikes Mass Transit      Referenced
d) Public Information Message      Referenced	h) Address Timing, Frequency, Updates, Effectiveness of Plan      Referenced
e) Public Information Strategies to be used      Referenced	i) Police & Other Emergency Services      Referenced

## KENTUCKY TRANSPORTATION CABINET DEPARTMENT OF HIGHWAYS TRAFFIC MANAGEMENT PLAN

Item No. 5-8511.00

<b>2) Temporary Traffic Control Plan</b>	
<b>Phase I</b>	
<b>Exposure Control Measures</b>	<b>Positive Protection Measures</b>
a) Is Road Closure Allowed Type: Shoulder Closure	Referenced a) Address Drop Off Protection Criteria Referenced
b) Detour Conditions	n/a b) Temporary Barrier Requirements Referenced
c) Working Hour Restrictions	Referenced c) Evaluation of Existing Guardrail Conditions Referenced
d) Holiday or Special Event Work Restrictions	Referenced d) Address Temporary Drainage Referenced
e) Evaluation of Intersection LOS	n/a <b>Uniformed Law Enforcement Officers</b> n/a
f) Evaluation of Queue Lengths	n/a <b>Payment for Traffic Control*</b>
g) Evaluation of User Costs and Incentives/Disincentives	n/a a) Method of Project Bidding Referenced
h) Address Pedestrians, Bikes, Mass Transit	Referenced b) Special Notes Referenced
<b>Work Vehicles and Equipment</b>	Referenced *Payment for traffic control items shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction
<b>Comments:</b>	
See Traffic Management Plan (TMP) Discussion. This project will be constructed in four phases.  A: New construction of the southbound side of KY 55X while maintaining traffic on a portion of the existing northbound side of KY 55X. Construction of temporary shoulder, pavement widening, or shoulder overlay on the southbound shoulder of KY 53 using lane closures and flaggers as needed. B: Maintain traffic in the existing southbound lane and newly constructed widening of KY 53, construct as much of the southbound side of KY 53 as practical, and may include median construction adjacent to the travel lanes. The proposed shoulder of this portion of KY 53 will be paved to sufficiently support temporary traffic if needed during the phase 2 construction. Construct the northbound portion of KY 55X.	

**KENTUCKY TRANSPORTATION CABINET  
 DEPARTMENT OF HIGHWAYS  
 TRAFFIC MANAGEMENT PLAN**

Item No. 5-8511.00

<b>2) Temporary Traffic Control Plan (Cont.) Phase 2</b>	
<b>Exposure Control Measures</b>	<b>Positive Protection Measures</b>
a) Is Road Closure Allowed Type: Shoulder Closure                      Referenced	a) Address Drop Off Protection Criteria                                      Referenced
b) Detour Conditions                              n/a	b) Temporary Barrier Requirements      Referenced
c) Working Hour Restrictions                  Referenced	c) Evaluation of Existing Guardrail Conditions                                      Referenced
d) Holiday or Special Event Work Restrictions                                  Referenced	d) Address Temporary Drainage                  Referenced
e) Evaluation of Intersection LOS                                      n/a	<b>Uniformed Law Enforcement Officers</b> n/a
f) Evaluation of Queue Lengths      n/a	<b>Payment for Traffic Control*</b>
g) Evaluation of User Costs and Incentives/Disincentives                      n/a	a) Method of Project Bidding                      Referenced
h) Address Pedestrians, Bikes, Mass Transit    Referenced	b) Special Notes    Referenced
<b>Work Vehicles and Equipment</b> Referenced	*Payment for traffic control items shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction
<b>Comments:</b>	
See Traffic Management Plan (TMP) Discussion. This project will be constructed in four phases.  While maintaining traffic on the newly constructed northbound portion of KY 53, construct the southbound side of KY 53. Also complete the US 60 intersection portions shown in the sub—phases.	

## DEPARTMENT OF HIGHWAYS TRAFFIC MANAGEMENT PLAN

Item No. 5-8511.00

<b>2) Temporary Traffic Control Plan (Cont.) Phase 3</b>	
<b>Exposure Control Measures</b>	<b>Positive Protection Measures</b>
a) Is Road Closure Allowed Type: Lane Closure                      Referenced	a) Address Drop Off Protection Criteria                      Referenced
b) Detour Conditions                      n/a	b) Temporary Barrier Requirements      Referenced
c) Working Hour Restrictions          Referenced	c) Evaluation of Existing Guardrail Conditions                      Referenced
d) Holiday or Special Event Work Restrictions                      Referenced	d) Address Temporary Drainage          Referenced
e) Evaluation of Intersection LOS                      n/a	<b>Uniformed Law Enforcement Officers</b> n/a
f) Evaluation of Queue Lengths      n/a	<b>Payment for Traffic Control*</b>
g) Evaluation of User Costs and Incentives/Disincentives              n/a	a) Method of Project Bidding              Referenced
h) Address Pedestrians, Bikes, Mass Transit                      Referenced	b) Special Notes                      Referenced
<b>Work Vehicles and Equipment</b> Referenced	*Payment for traffic control items shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction
<b>Comments:</b>	
See Traffic Management Plan (TMP) Discussion. This project will be constructed in four phases.  Complete the median construction of KY 53 and the southern tie-in. Complete the KY 55X construction.	

**KENTUCKY TRANSPORTATION CABINET  
 DEPARTMENT OF HIGHWAYS  
 TRAFFIC MANAGEMENT PLAN**

Item No. 5-8511.00

<b>2) Temporary Traffic Control Plan (Cont.) Phase 4</b>	
<b>Exposure Control Measures</b>	<b>Positive Protection Measures</b>
a) Is Road Closure Allowed Type: Lane Closure                      Referenced	a) Address Drop Off Protection Criteria                      Referenced
b) Detour Conditions                      n/a	b) Temporary Barrier Requirements      Referenced
c) Working Hour Restrictions              Referenced	c) Evaluation of Existing Guardrail Conditions                      Referenced
d) Holiday or Special Event Work Restrictions                      Referenced	d) Address Temporary Drainage          Referenced
e) Evaluation of Intersection LOS                      n/a	<b>Uniformed Law Enforcement Officers</b> n/a
f) Evaluation of Queue Lengths          n/a	<b>Payment for Traffic Control*</b>
g) Evaluation of User Costs and Incentives/Disincentives              n/a	a) Method of Project Bidding              Referenced
h) Address Pedestrians, Bikes, Mass Transit                      Referenced	b) Special Notes                      Referenced
<b>Work Vehicles and Equipment</b> Referenced	*Payment for traffic control items shall be in accordance with the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction
<b>Comments:</b>	
See Traffic Management Plan (TMP) Discussion. This project will be constructed in four phases.  Construct the asphalt surface and any remaining construction items. The final surface course may be constructed using moving lane closures and flagging operations.	

**KENTUCKY TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS  
TRAFFIC MANAGEMENT PLAN**

Item No. 5-8511.00

**APPROVAL:**



5-25-2020

Project Manager

Date

*Scott Tipton, PE*

6/10/2020

Project Delivery and Preservation Manager

Date



4/26/20

Engineering Support Manager

Date

N/A

FHWA Representative

Date

**Revisions to the TMP require review/approval by the signatories.**



## **TRAFFIC MANAGEMENT PLAN**

Shelby County  
FD52 106 0053 006-009  
Widening of KY 53  
EMARS No. 83189 01D  
STP 1551 (028)  
**Item No. 5-8511.00**

### **TRAFFIC CONTROL GENERAL NOTES**

1. Traffic shall be maintained in accordance with the Manual on Uniform Traffic Control Devices, the Standard Specifications for Road and Bridge Construction and the Standard Drawings.
2. 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” as set forth in the current Standard Specifications for Road & Bridge Construction unless otherwise provided for in these notes. The lump sum bid to “Maintain and Control Traffic” shall also include, but is not limited to, the following items for operations:
  - a. All grading and necessary drainage (unless a bid item for detour construction is included) for the temporary roadway and the removal thereof, when it is needed. If a bid item for detour construction is included, grading and drainage will be paid for in the bid item “Detour Construction.”
  - b. All labor and materials necessary for construction and maintenance of traffic control devices and markings.
  - c. All flagpersons and traffic control devices such as, but not limited to, flashers, signs, barricades and vertical panels, plastic drums (steel drums will not be permitted) and cones necessary for the control and protection of vehicular and pedestrian traffic as specified in these notes, the plans, the MUTCD or the Engineer.
  - d. Any storm sewer, culvert pipe, or utility installations that require the roadway to be “open cut” to install the facility must be done during the work hours approved by the Engineer. Backfill of all open cuts of the existing roadways shall require granular backfill of 9” of approved asphalt base (placed in 2 – 4.5” lifts.)
  - e. All temporary drainage items, which include but are not limited to: temporary pipes, temporary box inlets, temporary headwalls, and temporary ditching.
  - f. Safeloading temporary drainage features.
  - g. Removal of all temporary pavement markings beyond the limits of construction, these markings may be necessary to maintain traffic and shall be removed as directed by the Engineer.
3. Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the Contractor when no longer needed.
4. The Contractor shall maintain a two-lane traveled way with a minimum lane width of 10 feet. However, during work hours, one-way traffic may be allowed at the discretion of the Engineer. Lane closures will not be permitted for the periods listed below:
  - a. No lane closures shall be allowed during the observance of all holidays identified in Section

101 of the KYTC, Dept. of Highways, Standard Specifications for Road and Bridge Construction. Under special circumstances, KYTC reserves the right to restrict the use of lane closures due to unforeseen special events. The annual Shelbyville Horse Show shall be treated as a holiday event.

5. The Contractor shall completely cover any signs, either existing, permanent or temporary, which do not properly apply to the current traffic phasing and shall maintain the covering until the signs are applicable or are removed.
6. In general, all traffic control devices shall be placed starting and proceeding in the direction of the flow of traffic and removed starting and proceeding in the direction opposite the flow of traffic.
7. The Engineer and the Contractor, or their authorized representatives, shall review the signing before traffic is allowed to use any lane closures, crossovers or detours. All signing shall be approved by the Engineer before work can be started by the Contractor.
8. If the Contractor desires to deviate from the traffic control scheme and construction schedule outlined in these plans and this proposal, he shall prepare an alternate plan and present it in writing to the Engineer. This alternate plan can be used only after review and approval of the Divisions of Traffic, Design and Construction, and the Federal Highway Administration, where applicable.
9. If traffic should be stopped due to construction operations and an emergency vehicle on an official emergency run arrives at the scene, the Contractor shall make provisions for the passage of that vehicle as quickly as possible.
10. All signs necessary for a marked detour will be provided by the Contractor as required by the Standard Drawings and the MUTCD. Signs outside the project limits shall be paid for by the square foot. This quantity shall include sign mounting hardware and posts.
11. Reasonable means of ingress and egress shall be maintained to all properties within the project limits, and more specifically to both sides of the properties severed during construction. Access to fire hydrants must also be maintained at all times.
12. Modifications to the traffic signals both temporary and permanent shall be performed in a manner such that the signals remain operational during the life of the project. This work shall be incidental to "Maintain and Control Traffic" and no additional payment will be allowed.
13. The Contractor will be responsible for supplying all flashing arrows and portable changeable message signs necessary to maintain traffic for this project. Upon completion of the project, the flashing arrows and portable changeable message signs shall remain the property of the Contractor.

### **PAVEMENT DROP-OFFS:**

A pavement edge that traffic is not expected to cross, except accidentally, should be treated as follows:

- Less than two inches – no protection required. Warning signs should be placed in advance and throughout the drop-off area.
- Two to Four inches – plastic drums, vertical panels or barricades every 100 feet on tangent sections for speeds of 50 mph or greater. Cones may be used in place of plastic drums, panels and barricades during daylight hours. For tangent sections with speeds less than 50 mph. And for curves, devices should be placed at every 50 feet. Spacing of devices on tapered sections should be in accordance with the Manual on Uniform Traffic Control

Devices, current edition.

- Greater than four inches – positive separation or wedge with 3:1 or flatter slope as needed. If there is five feet or more distance between the edge of the pavement and the drop—off, then drums, panels, or barricades may be used. If the drop—off is greater than 12 inches, positive separation is strongly encouraged. If concrete barriers are used, special reflective devices or steady burn lights should be used for overnight installations.

For temporary conditions, drop—offs greater than four inches may be protected with plastic drums, vertical panels or barricades for short distances during daylight hours while work is being done in the drop—off area.

Lesser treatments than those described above may be considered for low-volume local streets.

Payment will be allowed for DGA material used for wedging.

**EXISTING SHOULDER PAVEMENT REPLACEMENT:**

Remove existing KY 53 southbound shoulder pavement and replace with the following pavement design:

- 1.5" CL2 ASPH SURF 0.38D PG64-22
- 3.5" CL2 ASPH BASE 1.00D PG64-22
- 3.5" CL2 ASPH BASE 1.00D PG64-22

Any additional locations shall be approved by the Engineer.

Removal of existing shoulder shall be incidental to bid item "Maintain and Control Traffic."

**LANE CLOSURES:**

Any lane closures shall be incidental to the bid item "Maintain and Control Traffic."

**SPECIAL TRAFFIC CONTROL NOTES**

**TRAFFIC SIGNALS:**

All Temporary signals and signal head relocations shall conform to the MUTCD, particularly section 4D. Proposed layouts for temporary signal head replacement must be submitted by the Contractor in writing and approved in writing by the Engineer before installation. When traffic signals are used in lieu of flagpersons to control traffic using a single lane both directions of travel, the signal indications shall be mounted either:

- One signal indication on each side of the highway on each approach.
- Two signal indications suspended on a span wire over the highway on each approach.
- One signal indication mounted on a mast arm or span wire above the highway with a second signal indication mounted on the right side of each approach.

Twelve inch lenses shall be used. The signals shall be mounted in advance of bridge approaches, where applicable, in each direction as directed by the Engineer. Timing for the signal controller shall be provided by the district traffic engineer.

The signal controller shall provide the following functions:

1. An adjustable cycle length from 40 seconds to 240 seconds in maximum ten second increments.
2. Adjustable split intervals for two phases.
3. Adjustable yellow clearance intervals for two phases to include the range from three seconds to five seconds.
4. Adjustable all-red clearance intervals for two phases to include the range from 20 seconds to 60 seconds.

The above interval functions shall be adjustable on the controller by merely changing keys or pins or by keyboard entry of the desired timing. The cycle length of the controller shall be adjustable by merely changing a gear or by keyboard entry of the desired cycle length.

No special tools shall be required to change the timing intervals or cycle length of the controller. With exception of certain requirements contained herein, all equipment shall conform to the current edition of the Kentucky Dept. of Highways' Standard Specifications for Road and Bridge Construction and the MUTCD.

### **SIGNAL NOTES FOR EXISTING SIGNALIZED INTERSECTIONS:**

Traffic signals shall be used for the control of vehicular traffic through the presently signalized intersection at all times except as directed otherwise in the traffic control notes or at such time as the Engineer determines that conditions are such that flagpersons should be used to expedite the flow of traffic. When flagpersons are used for traffic control through the intersection, traffic signals within the intersection shall be turned off.

Unless otherwise noted, all existing traffic signals shall conform to the requirements of the MUTCD at all times. Any deviation from this requirement shall have the written approval of the Engineer. All signal heads that are not in use shall be covered, turned or taken down to clearly indicate they are not in operation. New signal conductors shall be installed with sufficient slack cable to allow for a lateral movement of the signal indication in either direction, of at least 15 feet from the indicated location on the contract drawings.

During construction, the traffic signal controller may be operated in the pre-timed mode using recall ability of the signal controller. Assistance in adjusting signal controller timing will be available when requested through the Engineer from the District traffic engineer.

Left turn signals shall be covered and left in place when left turn lanes must be used for both and left turning traffic. Through traffic signals shall be shifted to the left to positions that will provide visible signal indications for this relocated traffic. Relocated signals shall be located within or on the projected lane lines for each lane of traffic as directed by the Engineer.

After roadway work within the intersection is completed, traffic signal indications shall be adjusted back to their permanent locations as indicated on the contract plans. Excess lengths of signal conductors shall be removed and the signals permanently connected.

Payment for this signal work is included in the bid item "Maintain and Control Traffic."

**BLASTING OPERATIONS:**

During blasting operations, traffic may be halted a maximum of 20 minutes per hour to allow the execution of the "shot" and to allow for removal of rock fragments and debris. Blasting shall not be permitted or traffic stopped between the hours of 5:30am to 9:00am and 2:00pm to 7:00pm.

The Contractor, when using explosive charges of any kind for the purpose of excavating, removal, etc., on this project shall halt all traffic a safe distance on either side of the impending explosion.

The Contractor shall have suitable equipment at the site and in a running mode for the purpose of cleaning the existing pavements of all debris.

After any blast, the Contractor shall immediately inspect the pavements for any debris that may be a hazard to traffic before allowing traffic to proceed on the affected section.

When blasting, the Contractor shall halt traffic, blast, clean the existing pavements and return traffic to normal operation in the least amount of time possible.

**PORTABLE FLASHING ARROW:**

The Contractor shall provide portable flashing arrows as indicated on the plans. The portable flashing arrows shall be mounted on traffic-worthy carriages that meet all applicable safety standards. The arrows shall be either diesel powered or electric and shall meet all applicable safety standards. Payment for the portable flashing arrows shall be based on a unit price for "each." Payment shall be full compensation for providing, placing, operating, relocating and maintaining the portable flashing arrows.

The Contractor shall have available one reserve flashing arrow to be placed in operation in the event of damage or mechanical/electrical failure. No direct payment will be allowed for the reserve unit. All flashing arrows shall become the property of the Contractor at the completion of the project.

**PORTABLE CHANGEABLE MESSAGE SIGNS:**

To be in accordance with the special note for portable changeable message signs.

**REMOVAL OF PAVEMENT MARKINGS:**

The contractor shall remove all pavement markings and raised pavement markers that do not conform to the traffic operation in use. In areas where the marking will conform to the final

marking scheme or for other reasons will not be removed. Markings shall be of a permanent type pavement marking material. All temporary marking which must be submarkings on existing or temporary pavement may be removed by either an abrasion or burning process to sequentially removed from ultimate pavement shall be an approved removable striping tape. However removable tape will be measured and paid as "Pave Striping - Temp Paint 4 In". Remove all pavement markings and raised pavement markers that do not conform to the traffic operation in use or to the satisfaction of the engineer. Painting of existing marking with bituminous or other materials to obliterate the markings shall not be allowed. Any existing permanent markings beyond the limits of the project which were removed for temporary purposes shall be replaced in kind. Payment for replacing said markings shall be paid for by the linear foot of "Water Blasting Existing Stripe".

### **CONTRACTOR'S VEHICLES:**

The Contractor's vehicles shall always move with and not against the flow of traffic. Vehicles shall enter and leave work areas in a manner which will not be hazardous to or interfere with normal traffic. Vehicles shall not park or stop except within work areas designated by the Engineer.

### **RAILROAD PROTECTION:**

Arrange the work in accordance with the special provision for protection of railway interest concerning Norfolk-Southern railroad company's tracks during construction.

### **CONSTRUCTION SEQUENCING:**

Traffic will be maintained on KY 53, KY 55X, and US 60 at all times during the course of the project. Each Approach to the KY 53/US 60/ KY 55X intersection shall have each a through, left, and right turn movement maintained at all times. Any deviation from this configuration shall be at the discretion of the Engineer. The project shall be constructed in three phases, some of which may run concurrently:

Phase 1 – Stage A: New construction of the southbound side of KY 55X while maintaining traffic on a portion of the existing northbound side of KY 55X. Construction of temporary shoulder, pavement widening, or shoulder overlay on the southbound shoulder of KY 53 using lane closures and flaggers as needed. Flagger operations may be used in areas of part width construction and at tie-ins at approach roads. Signal heads will be required to be adjusted as a part of this phase (and other phases.) Adjusting signal heads will be incidental to the bid item "Maintain and Control Traffic."

Phase 1 – Stage B: Maintain traffic in the existing southbound lane and newly constructed widening of KY 53, construct as much of the southbound side of KY 53 as practical, and may include median construction adjacent to the travel lanes. The proposed shoulder of this portion of KY 53 will be paved to sufficiently support temporary traffic if needed during the phase 2 construction. Construct the northbound portion of KY 55X.

Phase 2: While maintaining traffic on the newly constructed northbound portion of KY 53, construct the southbound side of KY 53. Also complete the US 60 intersection portions shown in the sub—phases.

Phase 3: Complete the median construction of KY 53 and the southern tie-in. Complete the KY 55X construction.

Phase 4: Construct the asphalt surface and any remaining construction items. The final surface course may be constructed using moving lane closures and flagging operations.

The US 60 intersection pavement replacement (Phases 2B, 2C, 2D, 2E, 3A, 3B, 3C) will be restricted to between June 15 and August 15. The KY 53 median completion in Phase 1A is not restricted to that period.

### **PUBLIC INFORMATION PLAN (PIP)**

Project is considered a ‘Significant Project’ and therefore does require a PIP. The primary goal of the Public Information Plan (PIP) is to inform the motoring public and area stakeholders of project information including Maintenance of Traffic (MOT) which includes lane closures. The KYTC District 5 Public Information Officer (PIO) will coordinate and disseminate to stakeholders and the media appropriate information regarding the construction plans. Prior to construction, signs shall be in place per applicable standard drawing(s) and/or as directed by the Engineer over the project limits.

### **SPECIAL NOTES**

#### **TRAFFIC COORDINATOR:**

The Contractor shall designate an employee to be the Traffic Control Coordinator. This person shall inspect the project maintenance of traffic on a daily basis, 7 days a week, for the life of the project. This person shall report all incidents throughout the work zone to the Resident Engineer. The Contractor shall furnish name and telephone number where the Traffic Control Coordinator can be contacted at any time.

#### **PROJECT PHASING AND CONSTRUCTION PROCEDURES:**

The specified completion date for this project is October 31, 2022.

#### **Local Access:**

Access to local properties and approach roads shall be maintained and or detoured at all times. Should the Contractor have to close access to any properties, the pending closure shall require the Contractor to coordinate such occurrence with the affected property owner and give the affected owner a 48 hour advance notice.

**SPECIFIED HOLIDAYS IN WHICH WORK WILL NOT BE PERMITTED:**

No work will be allowed on the following days or nights. Other dates may be restricted at the Engineer's discretion:

July 4, 2020	Independence Day
August 15, 2020	Thunder Over Louisville
Sept. 4-7, 2020	Kentucky Derby/Labor Day Weekend
Nov. 27-29, 2020	Thanksgiving Weekend
Dec. 24-27, 2020	Christmas Weekend
Dec. 31, 2020 – Jan. 1, 2021	New Years Eve & New Years Day
April 2-4, 2021	Easter Weekend
April 30 – May 2, 2021	Kentucky Derby Weekend
May 29-31, 2021	Memorial Day Weekend
July 2-4, 2021	Independence Day Weekend
Sept. 4-6, 2021	Labor Day Weekend
Nov. 24-27, 2021	Thanksgiving Weekend
Dec. 24-26, 2021	Christmas Weekend
Dec. 31, 2021 – Jan. 1, 2022	New Years Eve & New Years Day
April 15-17, 2022	Easter Weekend
May 6-8, 2022	Kentucky Derby Weekend
May 28-30, 2022	Memorial Day Weekend
July 2-4, 2022	Independence Day Weekend
Sept. 3-5, 2022	Labor Day Weekend



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

Item No. 5 - 8511.00 County: SHELBY Route: 53 Project Manager: KYTC\PATRICK.MATHENY

7/17/20

CAP #	Date of Promise	Promise made to:	Location of Promise	CAP Description
1	5/11/2012	District 5 ENVIRONMENTAL	PROJECT GENERAL	COORDINATION OF "USE OF TAKE" USING SEASONAL TREE CUTTING RESTRICTIONS WITH FWS PRIOR TO CONSTRUCTION FOR IMPACTS TO 3.25 ACRES OF INDIANA BAT SUMMER ROOSTING AND FORAGING HABITAT OUTSIDE OF A PRIORITY AREA (MAY REQUIRE CMOA.)
2	5/11/2012	District 5 ENVIRONMENTAL	STA 145+73, STA 186+63, 350 FT NORTH OF US60	AN ARMY CORP OF ENGINEERS NATIONWIDE PERMIT WILL BE REQUIRED FOR IMPACTS TO 0.33 ACRES OF EMERGENT WETLANDS (IN-LIEU FEE) ASSOCIATED WITH ROADSIDE DRAINAGE DITCHES AND THE EXTENSION OF THREE CULVERT CROSSINGS
3	7/16/2020	District 5 R/W	P-005 / SPEEDWAY, LLC	1. It is understood between the parties that access to Speedway will be maintained throughout the construction phase of the project. One of the two entrances will remain open at all times. 2. It is also agreed that before any entrance construction on the property is started that the following person will be contacted by KYTC to establish a line of communication between parties to allow for minimizing the disturbance of delivery to store as much as is possible without disturbing the construction schedule of the project local General Manager, John Bowman @ (502) 844-2262. 3. It is also agreed that items located within easement area but outside disturb limits such as (2) light poles (2) catch basins and trench drain and landscaping will be labeled DND on construction plans if determined that any of these items are disturbed during construction they will be repaired or replaced by KYTC contractor at no cost to owner.
4	7/16/2020	District 5 R/W	P-006 / CRACKER BARREL OLD COUNTRY STORE, INC.	1. It is understood between the parties that access to Cracker Barrel will be maintained throughout the construction phase of the project and that construction around Cracker Barrel will be kept to a minimum on weekends as much as possible without disturbing the construction schedule of the project. 2. It is also agreed that before any lane reductions in front of or near Cracker Barrel that Elizabeth Shahan (615) 443-9191 or local General Manager, George Armstrong @ (502) 633-9445 will be contacted.
5	7/16/2020	District 5 R/W	P-009, P-012, P-014, P-016, P-032 / MARSHALL REALTY CO.	The Marshall Realty Company and KYTC agree that the existing Old Mt. Eden Road shall remain open to the public until such time that the new Old Mt. Eden Road has been completed and is available to open for public use.
6	7/16/2020	District 5 R/W	P-013 / CORPORATION OF THE PRESIDING BISHOP OF THE CHURCH OF JESUS CHRIST OF LATTER-DAY SAINTS, a Utah corporation sole	1. This temporary easement will terminate and expire on September 30, 2022 or the completion of the roadway construction, whichever is earlier. 2. Grantee shall promptly repair any damage to Grantor's property and any improvements located thereon (including, without limitation, any and all landscaping, trees, fences, water and/or irrigation pipes, lines and ditches, curbs, gutters, asphalt surfaces, fences, signs, lighting, etc.) caused by Grantee and/or Grantee's agents, and shall restore Grantor's property and the improvements thereon to the same condition as they existed prior to any entry onto or work performed on Grantor's property or the Easement Area by Grantee and Grantee's Agents.
7	7/16/2020	District 5 R/W	P-029 / SHELBYVILLE CEMETERY COMPANY	It is agreed that before any entrance construction on the property is started that the following person will be contacted by KYTC to establish a line of communication between parties to all for minimizing the disturbance of access to Cemetery during time of funeral as is possible without disturbing the construction schedule of the project Superintendent Mark Brooks (502) 633-2720 or President Charles Long (502) 321-9168.
8	7/16/2020	District 5 R/W	P-038 / MCDONALD'S CORPORATION	1. It is understood between the parties that access to the McDonald's property will be maintained throughout the construction phase of the project and reasonable means of ingress and egress will be maintained to all properties with the project limits, and more specifically to both sides of properties severed during construction. Access to the fire hydrant will be maintained at all times. 2. It is also agreed any improvements and/or landscaping on the McDonald's property that are disturbed during construction will be restored to the condition existing prior to the performance of the work performed by KTC at KTC's or KYTC contractor's cost.

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**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	48,723.00	TON		\$	
0020	00008		CEMENT STABILIZED ROADBED	76,312.00	SQYD		\$	
0030	00018		DRAINAGE BLANKET-TYPE II-ASPH	12,529.00	TON		\$	
0040	00020		TRAFFIC BOUND BASE	230.00	TON		\$	
0050	00100		ASPHALT SEAL AGGREGATE	202.00	TON		\$	
0060	00103		ASPHALT SEAL COAT	23.60	TON		\$	
0070	00190		LEVELING & WEDGING PG64-22	8.00	TON		\$	
0080	00212		CL2 ASPH BASE 1.00D PG64-22	4,976.00	TON		\$	
0090	00214		CL3 ASPH BASE 1.00D PG64-22	6,755.00	TON		\$	
0100	00217		CL4 ASPH BASE 1.00D PG64-22	10,199.00	TON		\$	
0110	00219		CL4 ASPH BASE 1.00D PG76-22	8,674.00	TON		\$	
0120	00221		CL2 ASPH BASE 0.75D PG64-22	1,076.00	TON		\$	
0130	00301		CL2 ASPH SURF 0.38D PG64-22	2,063.00	TON		\$	
0140	00339		CL3 ASPH SURF 0.38D PG64-22	1,965.00	TON		\$	
0150	00342		CL4 ASPH SURF 0.38A PG76-22	4,540.00	TON		\$	
0160	00356		ASPHALT MATERIAL FOR TACK	36.80	TON		\$	
0170	00358		ASPHALT CURING SEAL	134.00	TON		\$	
0180	02071		JPC PAVEMENT-11 IN	5,901.00	SQYD		\$	
0190	02078		JPC PAVEMENT-6 IN SHLD	605.00	SQYD		\$	
0200	02542		CEMENT	2,185.00	TON		\$	
0210	02677		ASPHALT PAVE MILLING & TEXTURING	138.00	TON		\$	
0220	02702		SAND FOR BLOTTER	334.00	TON		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0230	00078		CRUSHED AGGREGATE SIZE NO 2 (REVISED: 7-17-20)	22,286.00	TON		\$	
0240	00440		ENTRANCE PIPE-15 IN	445.00	LF		\$	
0250	00441		ENTRANCE PIPE-18 IN	107.00	LF		\$	
0260	00443		ENTRANCE PIPE-24 IN	238.00	LF		\$	
0270	01000		PERFORATED PIPE-4 IN	17,286.00	LF		\$	
0280	01010		NON-PERFORATED PIPE-4 IN	958.00	LF		\$	
0290	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0300	01020		PERF PIPE HEADWALL TY 1-4 IN	6.00	EACH		\$	
0310	01024		PERF PIPE HEADWALL TY 2-4 IN	4.00	EACH		\$	
0320	01028		PERF PIPE HEADWALL TY 3-4 IN	11.00	EACH		\$	
0330	01032		PERF PIPE HEADWALL TY 4-4 IN	20.00	EACH		\$	
0340	01310		REMOVE PIPE	91.00	LF		\$	
0350	01440		SLOPED BOX INLET-OUTLET TYPE 1	4.00	EACH		\$	
0360	01705		REMOVE CURB & GUTTER BOX INLET	1.00	EACH		\$	
0370	01706		REMOVE CATCH BASIN	1.00	EACH		\$	
0380	01810		STANDARD CURB AND GUTTER	11,287.00	LF		\$	
0390	01845		ISLAND INTEGRAL CURB	87.00	LF		\$	
0400	01875		STANDARD HEADER CURB	650.00	LF		\$	
0410	01877		SPECIAL HEADER CURB	878.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0420	01923		STANDARD BARRIER MEDIAN TYPE 5	1,244.00	SQYD		\$	
0430	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	1,921.00	EACH		\$	
0440	01984		DELINEATOR FOR BARRIER - WHITE	10.00	EACH		\$	
0450	02013		BARRICADE-TYPE II	21.00	EACH		\$	
0460	02014		BARRICADE-TYPE III	17.00	EACH		\$	
0470	02081		JPC PAVEMENT-8 IN SHLD	151.00	SQYD		\$	
0480	02091		REMOVE PAVEMENT	378.00	SQYD		\$	
0490	02159		TEMP DITCH	4,934.00	LF		\$	
0500	02160		CLEAN TEMP DITCH	4,934.00	LF		\$	
0510	02230		EMBANKMENT IN PLACE	158,316.00	CUYD		\$	
0520	02242		WATER	1,200.00	MGAL		\$	
0530	02265		REMOVE FENCE	630.00	LF		\$	
0540	02351		GUARDRAIL-STEEL W BEAM-S FACE	1,400.00	LF		\$	
0550	02360		GUARDRAIL TERMINAL SECTION NO 1	1.00	EACH		\$	
0560	02365		CRASH CUSHION TYPE IX-A	1.00	EACH		\$	
0570	02369		GUARDRAIL END TREATMENT TYPE 2A	1.00	EACH		\$	
0580	02381		REMOVE GUARDRAIL	4,787.00	LF		\$	
0590	02391		GUARDRAIL END TREATMENT TYPE 4A	4.00	EACH		\$	
0600	02429		RIGHT-OF-WAY MONUMENT TYPE 1	36.00	EACH		\$	
0610	02432		WITNESS POST	50.00	EACH		\$	
0620	02483		CHANNEL LINING CLASS II	568.00	TON		\$	
0630	02484		CHANNEL LINING CLASS III	131.00	TON		\$	
0640	02545		CLEARING AND GRUBBING 43.1 ACRES	1.00	LS		\$	
0650	02562		TEMPORARY SIGNS	640.00	SQFT		\$	
0660	02585		EDGE KEY	1,190.00	LF		\$	
0670	02587		HOOK BOLT WITH EXPAN ANCHOR	13.00	EACH		\$	
0680	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0690	02671		PORTABLE CHANGEABLE MESSAGE SIGN	5.00	EACH		\$	
0700	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0710	02690		SAFELOADING	52.00	CUYD		\$	
0720	02696		SHOULDER RUMBLE STRIPS	17,805.00	LF		\$	
0730	02701		TEMP SILT FENCE	5,396.00	LF		\$	
0740	02703		SILT TRAP TYPE A	43.00	EACH		\$	
0750	02704		SILT TRAP TYPE B	43.00	EACH		\$	
0760	02705		SILT TRAP TYPE C	43.00	EACH		\$	
0770	02706		CLEAN SILT TRAP TYPE A	86.00	EACH		\$	
0780	02707		CLEAN SILT TRAP TYPE B	86.00	EACH		\$	
0790	02708		CLEAN SILT TRAP TYPE C	86.00	EACH		\$	
0800	02720		SIDEWALK-4 IN CONCRETE	473.00	SQYD		\$	
0810	02726		STAKING	1.00	LS		\$	
0820	02731		REMOVE STRUCTURE	1.00	LS		\$	
0830	02775		ARROW PANEL	4.00	EACH		\$	
0840	03171		CONCRETE BARRIER WALL TYPE 9T	600.00	LF		\$	
0850	05950		EROSION CONTROL BLANKET	37,274.00	SQYD		\$	
0860	05952		TEMP MULCH	139,164.00	SQYD		\$	
0870	05953		TEMP SEEDING AND PROTECTION	104,373.00	SQYD		\$	
0880	05963		INITIAL FERTILIZER	6.00	TON		\$	
0890	05964		MAINTENANCE FERTILIZER	10.00	TON		\$	

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0900	05985		SEEDING AND PROTECTION	161,349.00	SQYD		\$	
0910	05990		SODDING	6,378.00	SQYD		\$	
0920	05992		AGRICULTURAL LIMESTONE	100.00	TON		\$	
0930	08901		CRASH CUSHION TY VI CLASS BT TL2	2.00	EACH		\$	
0940	10020NS		FUEL ADJUSTMENT	100,032.00	DOLL	\$1.00	\$	\$100,032.00
0950	10030NS		ASPHALT ADJUSTMENT	96,964.00	DOLL	\$1.00	\$	\$96,964.00
0960	20060ES719		GUARDRAIL STEEL W BEAM-S FACE CR	1,712.50	LF		\$	
0970	20062ES719		GUARDRAIL TERMINAL SECT NO.1 CR	2.00	EACH		\$	
0980	20071EC		JOINT ADHESIVE	45,850.00	LF		\$	
0990	20550ND		SAWCUT PAVEMENT	1,304.00	LF		\$	
1000	23158ES505		DETECTABLE WARNINGS	310.00	SQFT		\$	
1010	23162EN		GUARDRAIL CONN TO BR END TY A-1 CR	2.00	EACH		\$	
1020	23274EN11F		TURF REINFORCEMENT MAT 1	122.00	SQYD		\$	
1030	24540		R/W MONUMENT TYPE 3	13.00	EACH		\$	
1040	24541		R/W MONUMENT TYPE 3A	1.00	EACH		\$	
1050	24636EC		GUARDRAIL TERMINAL SECT NO.3 CR	1.00	EACH		\$	
1060	24637EC		GUARDRAIL STEEL W BEAM-D FACE CR	1,338.00	LF		\$	
1070	24651ED		CONCRETE ISLAND	61.00	SQYD		\$	
1080	24814EC		PIPELINE INSPECTION	4,171.00	LF		\$	
1090	24976EC		GUARDRAIL CONNECTOR TO BR END TY A CR	2.00	EACH		\$	
1100	25091EC		GUARDRAIL TERMINAL SECT NO.2 CR	4.00	EACH		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1110	00462		CULVERT PIPE-18 IN	284.00	LF		\$	
1120	00464		CULVERT PIPE-24 IN	193.00	LF		\$	
1130	00466		CULVERT PIPE-30 IN	60.00	LF		\$	
1140	00468		CULVERT PIPE-36 IN	228.00	LF		\$	
1150	00519		STORM SEWER PIPE-10 IN	4.00	LF		\$	
1160	00521		STORM SEWER PIPE-15 IN	206.00	LF		\$	
1170	00522		STORM SEWER PIPE-18 IN	2,031.00	LF		\$	
1180	00524		STORM SEWER PIPE-24 IN	72.00	LF		\$	
1190	00526		STORM SEWER PIPE-30 IN	150.00	LF		\$	
1200	01204		PIPE CULVERT HEADWALL-18 IN	5.00	EACH		\$	
1210	01208		PIPE CULVERT HEADWALL-24 IN	2.00	EACH		\$	
1220	01210		PIPE CULVERT HEADWALL-30 IN	4.00	EACH		\$	
1230	01212		PIPE CULVERT HEADWALL-36 IN	1.00	EACH		\$	
1240	01433		SLOPED BOX OUTLET TYPE 1-18 IN	13.00	EACH		\$	
1250	01434		SLOPED BOX OUTLET TYPE 1-24 IN	3.00	EACH		\$	
1260	01456		CURB BOX INLET TYPE A	7.00	EACH		\$	
1270	01480		CURB BOX INLET TYPE B	4.00	EACH		\$	
1280	01490		DROP BOX INLET TYPE 1	12.00	EACH		\$	
1290	01493		DROP BOX INLET TYPE 2	1.00	EACH		\$	
1300	01496		DROP BOX INLET TYPE 3	5.00	EACH		\$	
1310	01544		DROP BOX INLET TYPE 11	2.00	EACH		\$	
1320	01580		DROP BOX INLET TYPE 15	1.00	EACH		\$	
1330	01767		MANHOLE TYPE C	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1340	01771		FRAME AND LID TY 1	1.00	EACH		\$	
1350	02220		FLOWABLE FILL	30.00	CUYD		\$	
1360	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	10,629.00	SQYD	\$2.00	\$	\$21,258.00
1370	23628EC		CORED HOLE DRAINAGE CONN TO HEADWALL	1.00	EACH		\$	
1380	23948EC		RESET MANHOLE FRAME AND LID	1.00	EACH		\$	
1390	23970NC		RESET GRATE	1.00	EACH		\$	

**Section: 0004 - BRIDGE - OVER NORFOLK SOUTHERN RAILROAD - 27462 (REVISED: 7-1**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1400	02231		STRUCTURE GRANULAR BACKFILL	510.00	CUYD		\$	
1410	02998		MASONRY COATING	2,060.00	SQYD		\$	
1420	03299		ARMORED EDGE FOR CONCRETE	203.00	LF		\$	
1430	08001		STRUCTURE EXCAVATION-COMMON	660.00	CUYD		\$	
1440	08002		STRUCTURE EXCAV-SOLID ROCK	35.00	CUYD		\$	
1450	08016		REINF CONC SLOPE WALL-6 IN	1,700.00	SQYD		\$	
1460	08033		TEST PILES	114.00	LF		\$	
1470	08046		PILES-STEEL HP12X53	1,768.00	LF		\$	
1480	08094		PILE POINTS-12 IN	76.00	EACH		\$	
1490	08100		CONCRETE-CLASS A	442.80	CUYD		\$	
1500	08104		CONCRETE-CLASS AA	775.80	CUYD		\$	
1510	08130		MECHANICAL REINF COUPLER #5	24.00	EACH		\$	
1520	08133		MECHANICAL REINF COUPLER #8	16.00	EACH		\$	
1530	08134		MECHANICAL REINF COUPLER #9	32.00	EACH		\$	
1540	08150		STEEL REINFORCEMENT	80,565.00	LB		\$	
1550	08151		STEEL REINFORCEMENT-EPOXY COATED	180,575.00	LB		\$	
1560	21532ED		RAIL SYSTEM TYPE III	379.00	LF		\$	
1570	23849EC		BICYCLE RAIL	189.00	LF		\$	
1580	23964EC		PROTECTIVE FENCE	374.00	LF		\$	
1590	24520EC		PPC I-BEAM HN 48-49	2,038.50	LF		\$	

**Section: 0005 - BRIDGE - 12' X 6' RCBC - 27320 (REVISED: 7-17-20)**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1600	08003		FOUNDATION PREPARATION (12' X 6' RCBC - #27320)	1.00	LS		\$	
1610	08100		CONCRETE-CLASS A	52.50	CUYD		\$	
1620	08150		STEEL REINFORCEMENT	6,634.00	LB		\$	

**Section: 0006 - BRIDGE - 12' X 6' RCBC - 27319 (REVISED: 7-17-20)**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1630	08003		FOUNDATION PREPARATION (12' X 6' RCBC - #27319)	1.00	LS		\$	
1640	08100		CONCRETE-CLASS A	233.50	CUYD		\$	
1650	08150		STEEL REINFORCEMENT	29,699.00	LB		\$	

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**Section: 0007 - BRIDGE - 8' X 5' RCBC - 27318 (REVISED: 7-17-20)**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1660	02611		HANDRAIL-TYPE A-1	36.00	LF		\$	
1670	08003		FOUNDATION PREPARATION (8' X 5' RCBC - #27318)	1.00	LS		\$	
1680	08100		CONCRETE-CLASS A	107.70	CUYD		\$	
1690	08150		STEEL REINFORCEMENT	9,371.00	LB		\$	

**Section: 0008 - SIGNING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1700	06405		SBM ALUMINUM PANEL SIGNS	224.00	SQFT		\$	
1710	06406		SBM ALUM SHEET SIGNS .080 IN	679.00	SQFT		\$	
1720	06407		SBM ALUM SHEET SIGNS .125 IN	16.00	SQFT		\$	
1730	06410		STEEL POST TYPE 1	1,373.00	LF		\$	
1740	06412		STEEL POST MILE MARKERS	4.00	EACH		\$	
1750	06490		CLASS A CONCRETE FOR SIGNS	34.00	CUYD		\$	
1760	06510		PAVE STRIPING-TEMP PAINT-4 IN (W)	47,616.00	LF		\$	
1770	06510		PAVE STRIPING-TEMP PAINT-4 IN (Y)	44,640.00	LF		\$	
1780	06544		PAVE STRIPING-THERMO-8 IN W	580.00	LF		\$	
1790	06547		PAVE STRIPING-THERMO-12 IN Y	1,039.00	LF		\$	
1800	06556		PAVE STRIPING-DUR TY 1-6 IN W	3,601.00	LF		\$	
1810	06557		PAVE STRIPING-DUR TY 1-6 IN Y	2,630.00	LF		\$	
1820	06560		PAVE STRIPING-DUR TY 1-12 IN W	278.00	LF		\$	
1830	06565		PAVE MARKING-THERMO X-WALK-6 IN	2,204.00	LF		\$	
1840	06567		PAVE MARKING-THERMO STOP BAR-12IN	20.00	LF		\$	
1850	06568		PAVE MARKING-THERMO STOP BAR-24IN	480.00	LF		\$	
1860	06569		PAVE MARKING-THERMO CROSS-HATCH	772.00	SQFT		\$	
1870	06574		PAVE MARKING-THERMO CURV ARROW	86.00	EACH		\$	
1880	06575		PAVE MARKING-THERMO COMB ARROW	1.00	EACH		\$	
1890	06576		PAVE MARKING-THERMO ONLY	8.00	EACH		\$	
1900	06588		PAVEMENT MARKER TY IVA-BY TEMP	2,232.00	EACH		\$	
1910	21373ND		REMOVE SIGN	146.00	EACH		\$	
1920	21596ND		GMSS TYPE D	93.00	EACH		\$	
1930	22664EN		WATER BLASTING EXISTING STRIPE	23,198.00	LF		\$	
1940	23261EC		PAVE MARK-THERMO-X-WALK-24 IN	960.00	LF		\$	
1950	24401EC		DURABLE WATERBORNE MARKING-4 IN W	1,604.00	LF		\$	
1960	24402EC		DURABLE WATERBORNE MARKING-4 IN Y	7,239.00	LF		\$	
1970	24489EC		INLAID PAVEMENT MARKER	586.00	EACH		\$	
1980	24631EC		BARCODE SIGN INVENTORY	174.00	EACH		\$	
1990	24679ED		PAVE MARK THERMO CHEVRON	612.00	SQFT		\$	
2000	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN (12 INCH)	146.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2010	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN (6 INCH)	1,130.00	LF		\$	
2020	24683ED		PAVE MARKING-THERMO DOTTED LANE EXTEN (8 INCH)	157.00	LF		\$	
2030	24995EC		PAVE STRIPING-SPRAY THERMO-6 IN W	24,599.00	LF		\$	
2040	24996EC		PAVE STRIPING-SPRAY THERMO-6 IN Y	18,202.00	LF		\$	

**Section: 0009 - SIGNALIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2050	04780		FUSED CONNECTOR KIT	39.00	EACH		\$	
2060	04792		CONDUIT-1 IN	157.00	LF		\$	
2070	04811		ELECTRICAL JUNCTION BOX TYPE B	6.00	EACH		\$	
2080	04820		TRENCHING AND BACKFILLING	1,165.00	LF		\$	
2090	04821		OPEN CUT ROADWAY	236.00	LF		\$	
2100	04830		LOOP WIRE	3,226.00	LF		\$	
2110	04844		CABLE-NO. 14/5C	7,337.00	LF		\$	
2120	04850		CABLE-NO. 14/1 PAIR	3,096.00	LF		\$	
2130	04881		MAST ARM POLE	9.00	EACH		\$	
2140	04894		PREFORMED LOOP/LEAD-IN	421.00	LF		\$	
2150	04895		LOOP SAW SLOT AND FILL	1,154.00	LF		\$	
2160	20093NS835		INSTALL PEDESTRIAN HEAD-LED	20.00	EACH		\$	
2170	20094ES835		TEMP RELOCATION OF SIGNAL HEAD	68.00	EACH		\$	
2180	20188NS835		INSTALL LED SIGNAL-3 SECTION	30.00	EACH		\$	
2190	20266ES835		INSTALL LED SIGNAL- 4 SECTION	4.00	EACH		\$	
2200	20390NS835		INSTALL COORDINATING UNIT	3.00	EACH		\$	
2210	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	15.00	EACH		\$	
2220	20453ES835		PREFORMED QUADRAPOLE LOOPS	1,224.00	LF		\$	
2230	21743NN		INSTALL PEDESTRIAN DETECTOR	20.00	EACH		\$	
2240	23157EN		TRAFFIC SIGNAL POLE BASE	32.00	CUYD		\$	
2250	23222EC		INSTALL SIGNAL PEDESTAL	12.00	EACH		\$	
2260	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	337.00	LF		\$	
2270	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	1,726.00	LF		\$	
2280	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	3.00	EACH		\$	
2290	24955ED		REMOVE SIGNAL EQUIPMENT	3.00	EACH		\$	

**Section: 0010 - LANDSCAPING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2300	20000ES724		TREE (EASTERN RED CEDAR-5 GAL)	17.00	EACH		\$	
2310	20000ES724		TREE (NINEBARK-5 GAL)	4.00	EACH		\$	
2320	20000ES724		TREE (NORTHERN RED OAD-1.5 INCH CAL)	3.00	EACH		\$	
2330	20000ES724		TREE (SWEETGUM-1.5 INCH CAL)	2.00	EACH		\$	

201308

### PROPOSAL BID ITEMS

Report Date 7/17/20

Page 7 of 7

#### Section: 0011 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2340	02568		MOBILIZATION	1.00	LS		\$	
2350	02569		DEMOBILIZATION	1.00	LS		\$	







# GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-8511.00	R2J

ITEM NO.	ITEM	NOTES	UNIT	KY 55	US 60	KY 55X	APPROACH ROADS	FRONTAGE ROADS	ENTRANCES	SHARED USE PATH	PROJECT TOTALS
78	CRUSHED AGGREGATE SIZE NO. 2	1	TON	22,286							22,286
440	ENTRANCE PIPE - 15 IN		LF	445							445
441	ENTRANCE PIPE - 18 IN		LF	107							107
443	ENTRANCE PIPE - 24 IN		LF	238							238
1000	PERFORATED PIPE - 4 IN		LF	17286							17286
1010	NON-PERFORATED PIPE - 4 IN		LF	958							958
1015	INSPECT & CERTIFY EDGE DRAINAGE SYSTEM		LS	1							1
1020	PERF PIPE HEADWALL TY 1 - 4 IN		EACH	6							6
1024	PERF PIPE HEADWALL TY 2 - 4 IN		EACH	4							4
1028	PERF PIPE HEADWALL TY 3 - 4 IN		EACH	11							11
1032	PERF PIPE HEADWALL TY 4 - 4 IN		EACH	20							20
1310	REMOVE PIPE		LF	91							91
1440	SLOPED BOX INLET-OUTLET TYPE 1		EACH					4			4
1705	REMOVE CURB & GUTTER BOX INLET		EACH	1							1
1706	REMOVE CATCH BASIN		EACH	1							1
1810	STANDARD CURB & GUTTER		LF	10,698	461		128				11287
1845	ISLAND INTERGAL CURB		LF	87							87
1875	STANDARD HEADER CURB		LF		194		456				650
1877	SPECIAL HEADER CURB		LF	878							878
1923	STANDARD BARRIER MEDIAN TYPE 5		SO YD	1244							1244
1982	DELINATOR FOR GUARDRAIL M/W		EACH	1921		0					1921
1984	DELINATOR FOR BARRIER - WHITE		EACH	10							10
2013	BARRICADE - TYPE II		EACH	21							21
2014	BARRICADE - TYPE III		EACH	4		1	8				17
2081	JPC PAVEMENT - 8 IN SHLD		SO YD	151							151
2091	REMOVE PAVEMENT		SO YD				225		153		378
2159	TEMP DITCH		LF	4934							4934
2160	CLEAN TEMP DITCH		LF	4934							4934
2230	EMBANKMENT IN PLACE	2	CU YD	145743	240	9135	2745	453			158316
2242	WATER	3	MGAL	1000	100	100					1200
2265	REMOVE FENCE		LF	630							630
2351	GUARDRAIL - STEEL W BEAM - S FACE	4	LF	488		913					1400
2360	GUARDRAIL TERMINAL SECTION NO. 1		EACH			1					1
2365	CRASH CUSHION TYPE IX-A	5	EACH	1							1
2369	GUARDRAIL END TREATMENT TYPE 2A		EACH	1							1
2381	REMOVE GUARDRAIL	6	LF	3809.0		978.0					4787
2391	GUARDRAIL END TREATMENT TYPE 4A		EACH			3	1				4
2429	RIGHT-OF-WAY MONUMENT TYPE 1		EACH	36							36
2432	WITNESS POST		EACH	36			14				50
2483	CHANNEL LINING CLASS II	7	TON	568							568
2484	CHANNEL LINING CLASS III	8	TON	131							131
2545	CLEARING AND GRUBBING	9	LS	1							1
2562	TEMPORARY SIGNS		SO FT	80	160	80	320				640
2568	MOBILIZATION		LS	1							1
2569	DEMOBILIZATION		LS	1							1
2585	EDGE KEY		LF	34		44	163		949		1190
2587	HOOK BOLT WITH EXPAN ANCHOR		EACH								13
2650	MAINTAIN & CONTROL TRAFFIC		LS	1							1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	10	EACH	2	2	1					5
2676	MOBILIZATION FOR MILL & TEXTURING		LS	1							1
2690	SAFELOADING		LF	47		5					52
2696	SHOULDER RUMBLE STRIPS		LF	16516		1289					17805

① INCLUDES 22,232 TONS FOR EMBANKMENT SLOPE STABILITY STA 185+90 - 187+50 AS RECOMMENDED IN THE GEOTECHNICAL REPORT AND 54 FOR PERFORATED PIPE HEADWALLS

② COMMON EXC.

KY 53	68050 CU YDS
KY 55X	1612 CU YDS
US 60	1076 CU YDS
APPR ROADS	2286 CU YDS
FRONT ROADS	2392 CU YDS
DITCHES	82 CU YDS
<b>TOTAL EXCAVATION</b>	<b>75498 CU YDS</b>

EARTHWORK QUANTITIES

EMBANKMENT

KY 53	119042 CU YDS
KY 55X	5276 CU YDS
US 60	42 CU YDS
APPR ROADS	2745 CU YDS
FRONT ROADS	453 CU YDS
<b>TOTAL EMBANKMENT</b>	<b>158316 CU YDS</b>

THE CONTRACTOR IS ADVISED THAT THE EARTHWORK FIGURES ABOVE ARE SHOWN FOR INFORMATION PURPOSES ONLY. ASSUMPTIONS FOR SHRINK AND SWELL FACTORS ARE THE RESPONSIBILITY OF THE CONTRACTOR. THERE IS A REFILL QUANTITY FOR THE REMOVAL OF ANY EXISTING CONCRETE ROADWAY THAT IS WITHIN 3 FEET OF THE PROPOSED SUBGRADE. BONNIE BRAE FRONTAGE ROAD IS INCLUDED IN KY 53 QUANTITIES.

③ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY.

④ 105 LF OF GUARDRAIL IN A RADIUS LESS THAN 150' THE RADIUS LENGTH HAS BEEN MULTIPLIED BY A FACTOR OF 1.3 FOR AN ADDITIONAL 32 LF OF GUARDRAIL

⑤ TO BE PAINTED TO RESEMBLE WEATHERED GUARDRAIL

⑥ REMOVE ALL EXISTING GUARDRAIL ALONG PROJECT LIMITS. THE GUARDRAIL SHALL BE HAULED BY THE CONTRACTOR TO KYTC, THE CENTRAL SIGN SHOP AND RECYCLE CENTER AT 1224 WILKINSON BLVD IN FRANKFORT, KY. THERE IS A GUARDRAIL DELIVERY VERIFICATION SHEET WHICH MUST BE COMPLETED.

⑦ INCLUDES 76 TONS CARRIED OVER FROM THE PIPE DRAINAGE SUMMARY.

⑧ INCLUDES 52 TONS CARRIED OVER FROM THE PIPE DRAINAGE SUMMARY.

⑨ APPROXIMATELY 43.1 ACRES REMOVAL OF EXISTING PIPES IS INCIDENTAL TO BID ITEM "CLEARING AND GRUBBING"

⑩ LOCATIONS ARE NOT NOTED IN THE PLANS, TO BE USED AS DIRECTED BY THE ENGINEER.

GENERAL SUMMARY

# GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-8511.00	R2J

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1015	INSPECT & CERTIFY EDGE DRAINAGE SYSTEM		LS	1							1
1020	PERF PIPE HEADWALL TY 1 - 4 IN		EACH	6							6
1024	PERF PIPE HEADWALL TY 2 - 4 IN		EACH	4							4
1028	PERF PIPE HEADWALL TY 3 - 4 IN		EACH	11							11
1032	PERF PIPE HEADWALL TY 4 - 4 IN		EACH	20							20
1310	REMOVE PIPE		LF	91							91
1440	SLOPED BOX INLET-OUTLET TYPE 1		EACH						4		4
1705	REMOVE CURB & GUTTER BOX INLET		EACH		1						1
1706	REMOVE CATCH BASIN		EACH								1
1810	STANDARD CURB & GUTTER		LF	10,698	461		128				11287
1845	ISLAND INTERGAL CURB		LF	87							87
1875	STANDARD HEADER CURB		LF		194		456				650
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2365	CRASH CUSHION TYPE IX-A	5	EACH	1							1
2369	GUARDRAIL END TREATMENT TYPE 2A		EACH	1							1
2381	REMOVE GUARDRAIL	6	LF	3809.0		978.0					4787
2391	GUARDRAIL END TREATMENT TYPE 4A		EACH			3	1				4
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2562	TEMPORARY SIGNS		SO FT	80	160	80	320				640
2568	MOBILIZATION		LS	1							1
2569	DEMOBILIZATION		LS	1							1
2585	EDGE KEY		LF	34		44	163		949		1190
2587	HOOK BOLT WITH EXPAN ANCHOR		EACH								13
2650	MAINTAIN & CONTROL TRAFFIC		LS	1							1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	10	EACH	2	2	1					5
2676	MOBILIZATION FOR MILL & TEXTURING		LS	1							1
2690	SAFELOADING		LF	47		5					52
2696	SHOULDER RUMBLE STRIPS		LF	16516		1289					17805

NOTES:

① INCLUDES 22,232 TONS FOR EMBANKMENT SLOPE STABILITY STA 185+90 - 187+50 AS RECOMMENDED IN THE GEOTECHNICAL REPORT AND 54 FOR PERFORATED PIPE HEADWALLS

Rock quantity changed to 22,232

② COMMON EXC.

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## GENERAL SUMMARY

## GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-8511.00	R2K

ITEM NO.	ITEM	NOTES	UNIT	KY 53	US 60	KY 55X	APPROACH ROADS	FRONTAGE ROADS	ENTRANCES	SHARED USE PATH	PROJECT TOTALS
2701	TEMP SILT FENCE		LF	5396							5396
2703	SILT TRAP TYPE A		EACH	43							43
2704	SILT TRAP TYPE B		EACH	43							43
2705	SILT TRAP TYPE C		EACH	43							43
2706	CLEAN SILT TRAP A		EACH	86							86
2707	CLEAN SILT TRAP B		EACH	86							86
2708	CLEAN SILT TRAP C		EACH	86							86
2720	SIDEWALK - 4 IN CONCRETE		SO YD	473							473
2726	STAKING		LS	1							1
2731	REMOVE STRUCTURE - KY 53 BRIDGE	14	LS	1							1
2775	ARROW PANEL	10	EACH	1	2	1					4
3171	CONCRETE BARRIER WALL TYPE 9T	13	LF	600							600
5950	EROSION CONTROL BLANKET	11	SO YD	33,320		2552	669	733			37274
5952	TEMP MULCH		SO YD	139164							139164
5953	TEMP SEEDING AND PROTECTION		SO YD	104373							104373
5963	INITIAL FERTILIZER		TON	6							6
5964	MAINTENANCE FERTILIZER		TON	10							10
5985	SEEDING AND PROTECTION		SO YD	161,349							161349
5990	SODDING		SO YD	6278					100		6378
5992	AGRICULTURAL LIMESTONE		TON	100							100
8901	CRASH CUSHION TY VI CLASS BT TL2		EACH	2							2
24540	R/W MONUMENT TYPE 3		EACH				13				13
24541	R/W MONUMENT TYPE 3A		EACH				1				1
10020NS	FUEL ADJUSTMENT		DOLL	100032							100032
10030NS	ASPHALT ADJUSTMENT		DOLL	96964							96964
20060E5719	GUARDRAIL - STEEL W BEAM - S FACE CR	12	LF	1712.5							1713
20062E5719	GUARDRAIL TERMINAL SECTION NO. 1 CR		EACH	2							2
20550ND	SAWCUT PAVEMENT		LF	83	114	1107					1304
2007IEC	JOINT ADHESIVE		LF	40852	1574	3424					45850
23158E5505	DETECTABLE WARNINGS		SO FT	176	134						310
23162EN	GUARDRAIL CONN TO BR END TY A-1 CR		EACH	2							2
23274ENIIF	TURF REINFORCEMENT MAT 1		SO YD	122							122
24636EC	GUARDRAIL TERMINAL SECTION NO. 3 CR		EACH	1							1
24637EC	GUARDRAIL - STEEL W BEAM - D FACE CR		LF	1338							1338
24651ED	CONCRETE ISLAND		SO YD						61		61
24814EC	PIPELINE VIDEO INSPECTION		LF	2646	60		636	237	481	111	4171
24976EC	GUARDRAIL CONNECTOR TO BR END TY A CR		EACH	2							2
25091EC	GUARDRAIL TERMINAL SECTION NO. 2 CR		EACH	2					2		4

- ⑩ LOCATIONS ARE NOT NOTED IN THE PLANS, TO BE USED AS DJRECTED BY THE ENGINEER.
- ⑪ INCLUDES 21,742 SO YDS FOR EROSION CONTROL SLOPE PROTECTION.
- ⑫ 97 LF OF GUARDRAIL IN A RADIUS LESS THAN 150'. THE RADIUS LENGTH HAS BEEN MULTIPLIED BY A FACTOR OF 1.3 FOR AN ADDITIONAL 29 LF OF GUARDRAIL
- ⑬ TO BE FURNISHED BY THE CONTRACTOR. UPON COMPLETION OF CONSTRUCTION THE TEMPORARY BARRIER WILL REMAIN THE CONTRACTORS PROPERTY
- ⑭ STA. 184+90.75 REMOVE EXISTING 50-10-50 RCDG BRIDGE

## GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-8511.00	R2K

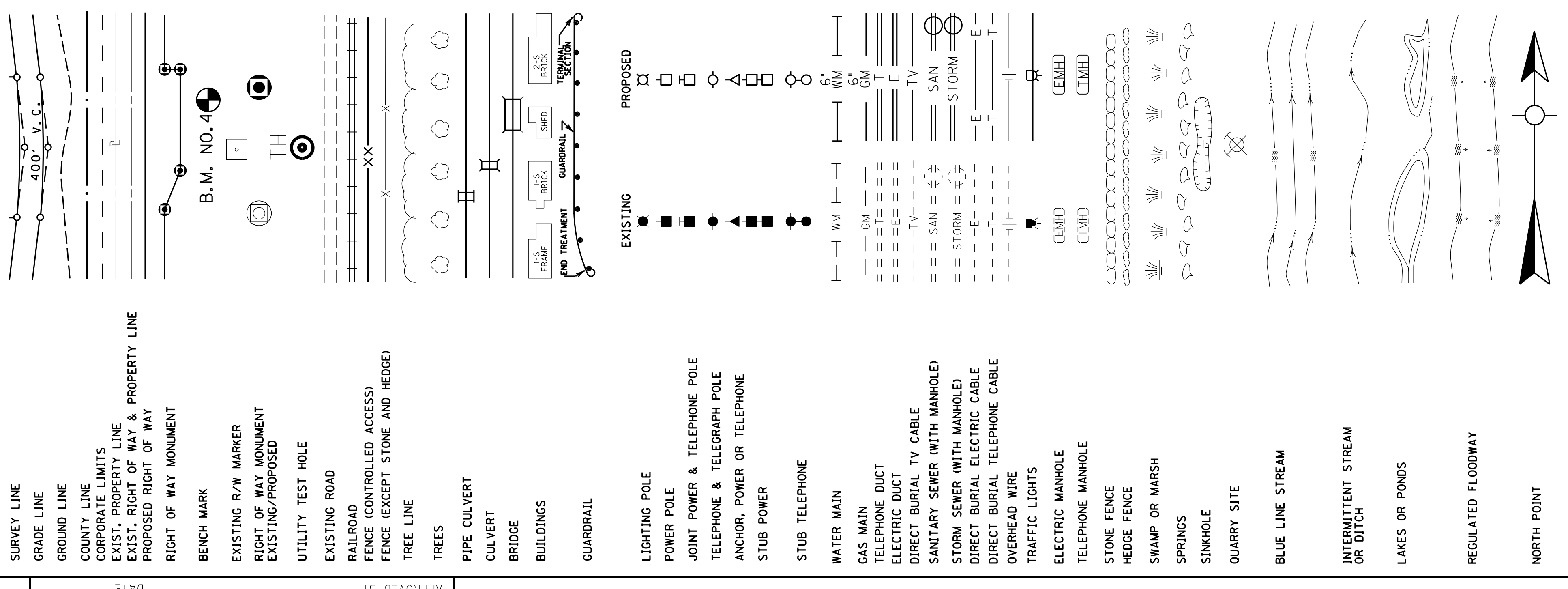
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2706	CLEAN SILT TRAP A		EACH	86							86
2707	CLEAN SILT TRAP B		EACH	86							86
2708	CLEAN SILT TRAP C		EACH	86							86
2720	SIDEWALK - 4 IN CONCRETE		SO YD	473							473
2726	STAKING		LS	1							1
2731	REMOVE STRUCTURE - KY 53 BRIDGE	14	LS	1							1
2775	ARROW PANEL	10	EACH	1	2	1					4
3171	CONCRETE BARRIER WALL TYPE 9T	13	LF	600							600
5950	EROSION CONTROL BLANKET	11	SO YD	33,320		2552	669	733			37274
5952	TEMP MULCH		SO YD	139164							139164
5953	TEMP SEEDING AND PROTECTION		SO YD	104373							104373
5963	INITIAL FERTILIZER		TON	6							6
5964	MAINTENANCE FERTILIZER		TON	10							10
5985	SEEDING AND PROTECTION		SO YD	161,349							161349
5990	SODDING		SO YD	6278					100		6378
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- ⑭ STA. 184+90.75 REMOVE EXISTING 50-10-50 RCD. BRIDGE



changed BRIDGEL to BRIDGE

### CONVENTIONAL SIGNS



SURVEY LINE  
 GRADE LINE  
 GROUND LINE  
 COUNTY LINE  
 CORPORATE LIMITS  
 EXIST. PROPERTY LINE  
 EXIST. RIGHT OF WAY & PROPERTY LINE  
 PROPOSED RIGHT OF WAY  
 RIGHT OF WAY MONUMENT  
 BENCH MARK  
 EXISTING R/W MARKER  
 RIGHT OF WAY MONUMENT  
 EXISTING/PROPOSED  
 UTILITY TEST HOLE  
 EXISTING ROAD  
 RAILROAD  
 FENCE (CONTROLLED ACCESS)  
 FENCE (EXCEPT STONE AND HEDGE)  
 TREE LINE  
 TREES  
 PIPE CULVERT  
 CULVERT  
 BRIDGE  
 BUILDINGS  
 GUARDRAIL

EXISTING  
 PROPOSED

LIGHTING POLE  
 POWER POLE  
 JOINT POWER & TELEPHONE POLE  
 TELEPHONE & TELEGRAPH POLE  
 ANCHOR, POWER OR TELEPHONE  
 STUB POWER  
 STUB TELEPHONE  
 WATER MAIN  
 GAS MAIN  
 TELEPHONE DUCT  
 ELECTRIC DUCT  
 DIRECT BURIAL TV CABLE  
 SANITARY SEWER (WITH MANHOLE)  
 STORM SEWER (WITH MANHOLE)  
 DIRECT BURIAL ELECTRIC CABLE  
 DIRECT BURIAL TELEPHONE CABLE  
 OVERHEAD WIRE  
 TRAFFIC LIGHTS  
 ELECTRIC MANHOLE  
 TELEPHONE MANHOLE  
 STONE FENCE  
 HEDGE FENCE  
 SWAMP OR MARSH  
 SPRINGS  
 SINKHOLE  
 QUARRY SITE  
 BLUE LINE STREAM  
 INTERMITTENT STREAM  
 OR DITCH  
 LAKES OR PONDS  
 REGULATED FLOODWAY  
 NORTH POINT

## 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.

### UTILITY OWNERS

**GAS:**  
 ATMOS. ENERGY  
 130. STONECREST ROAD SUITE 105  
 SHELBYVILLE, KY 40065  
 CONTACT: EARL TAYLOR  
 CELL: 859-583-0306  
 OFFICE: 859-236-2300  
 EMAIL: EARLTAYLOR@MOSENERGY.COM  
 CONTACT: BERNIE ANDERSON  
 CELL: 502-321-8073  
 EMAIL: BERNIE.ANDERSON@ATMOSENERGY.COM

**ELECTRIC:**  
 LG&E. KU  
 820 WEST BROADWAY  
 LOUISVILLE, KY 40202  
 LG&E EMERGENCY NUMBER: 502-589-1444  
 KU EMERGENCY NUMBER: 1-800-331-7370  
 CONTACT: CAROLINE JUSTICE  
 PHONE: 502-627-3708  
 EMAIL: CAROLINE.JUSTICE@LG&E-KU.COM

**WATER/SEWER:**  
 SHELBYVILLE MUNICIPAL WATER & SEWER COMMISSION  
 1059 WASHINGTON STREET  
 SHELBYVILLE, KY 40065  
 CONTACT: TOM DOYLE  
 PHONE: 502-633-2840  
 EMAIL: TDOYLE@BELLSOUTH.NET

**TELEPHONE:**  
 AT&T KY  
 3719 BARDSTOWN ROAD - 2ND FLOOR  
 LOUISVILLE, KY 40218  
 CONTACT: MORGAN HERNDON  
 PHONE: 502-458-7312  
 EMAIL: MHO831@ATT.COM

**FIBER OPTIC:**  
 WINDSTREAM  
 3701 COMMUNICATIONS WAY  
 EVANSVILLE, IN 47715  
 CONTACT: JAMES GALVIN  
 OFFICE: 270-765-1818  
 CELL: 270-748-9249  
 EMAIL: JAMES.GALVIN@WINDSTREAM.COM

**CABLE:**  
 CHARTER COMMUNICATIONS  
 10168 LINN STATION ROAD  
 LOUISVILLE, KY 40223  
 CONTACT: KEVIN MERCER  
 CELL: 502-877-5505  
 OFFICE: 502-410-7192  
 EMAIL: BARBOUR.D@INSIGHT.COM.COM

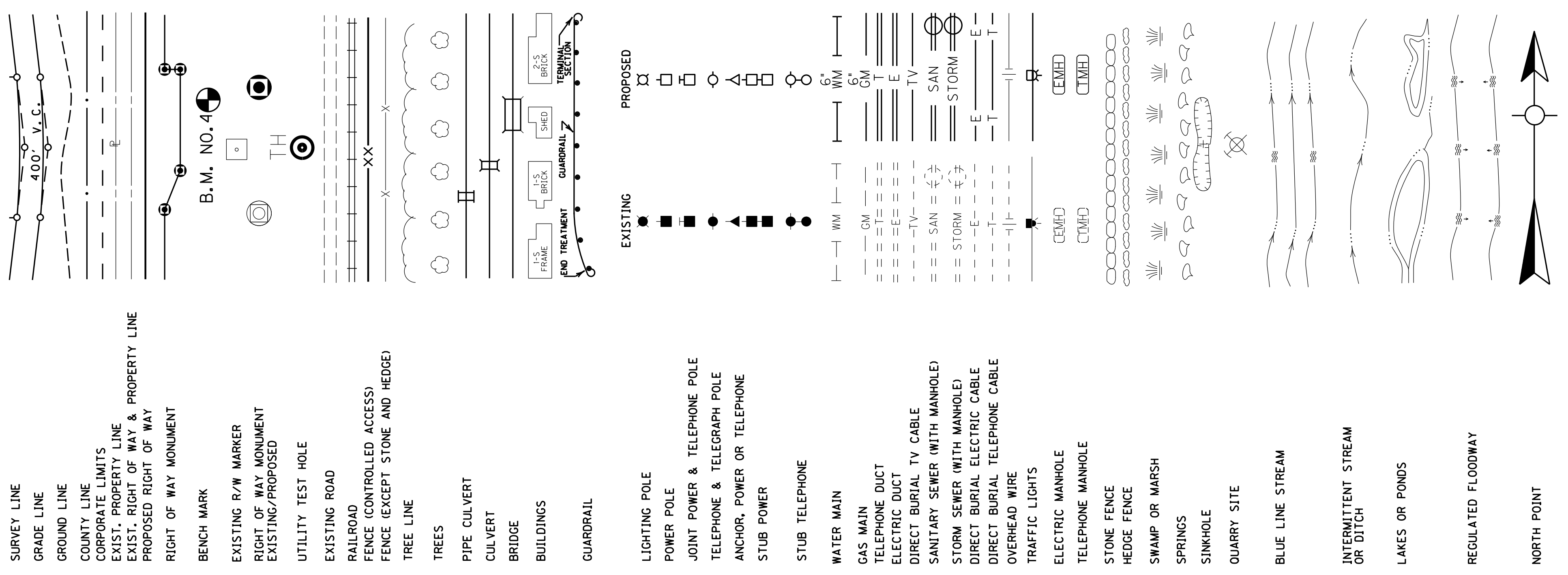
PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_

CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

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 DATE: \$\$\$DATE\$\$\$  
 FILE NAME: \$\$\$design\file\$specification\$\$\$  
 E-SHEET NAME:

### CONVENTIONAL SIGNS



PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

## BEFORE YOU DIG

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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.

### UTILITY OWNERS

- GAS:**  
 ATMOS. ENERGY  
 130. STONECREST ROAD SUITE 105  
 SHELBYVILLE, KY 40065  
 CONT ACT: EARL TAYLOR  
 CELL: 859-583-0306  
 OFFICE: 859-236-2300  
 EMAIL: EARLTAYLOR@ATMOSENERGY.COM
- ELECTRIC:**  
 LG&E. KU  
 820 WEST BROADWAY  
 LOUISVILLE, KY 40202  
 LG&E EMERGENCY NUMBER: 502-589-1444  
 KU EMERGENCY NUMBER: 1-800-331-7370  
 CONT ACT: CAROLINE JUSTICE  
 PHONE: 502-627-3708  
 EMAIL: CAROLINE.JUSTICE@LGE-KU.COM
- TELEPHONE:**  
 AT&T KY  
 3719 BARDSTOWN ROAD - 2ND FLOOR  
 LOUISVILLE, KY 40218  
 CONT ACT: MORGAN HERNDON  
 PHONE: 502-458-7312  
 EMAIL: MHO831@ATT.COM
- WATER/SEWER:**  
 SHELBYVILLE MUNICIPAL WATER &  
 SEWER COMMISSION  
 1059 WASHINGTON STREET  
 SHELBYVILLE, KY 40065  
 CONT ACT: TOM DOYLE  
 PHONE: 502-633-2840  
 EMAIL: T6DOYLE@BELLSOUTH.NET
- FIBER OPTIC:**  
 WINDSTREAM  
 3701 COMMUNICATIONS WAY  
 EVANSVILLE, IN 47715  
 CONT ACT: JAMES GALVIN  
 OFFICE: 270-765-1818  
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Project number added

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
 COUNTY OF  
**SHELBY**

PROJECT NUMBER: FD52 106 0053 006-009  
 STP 1551 (028)

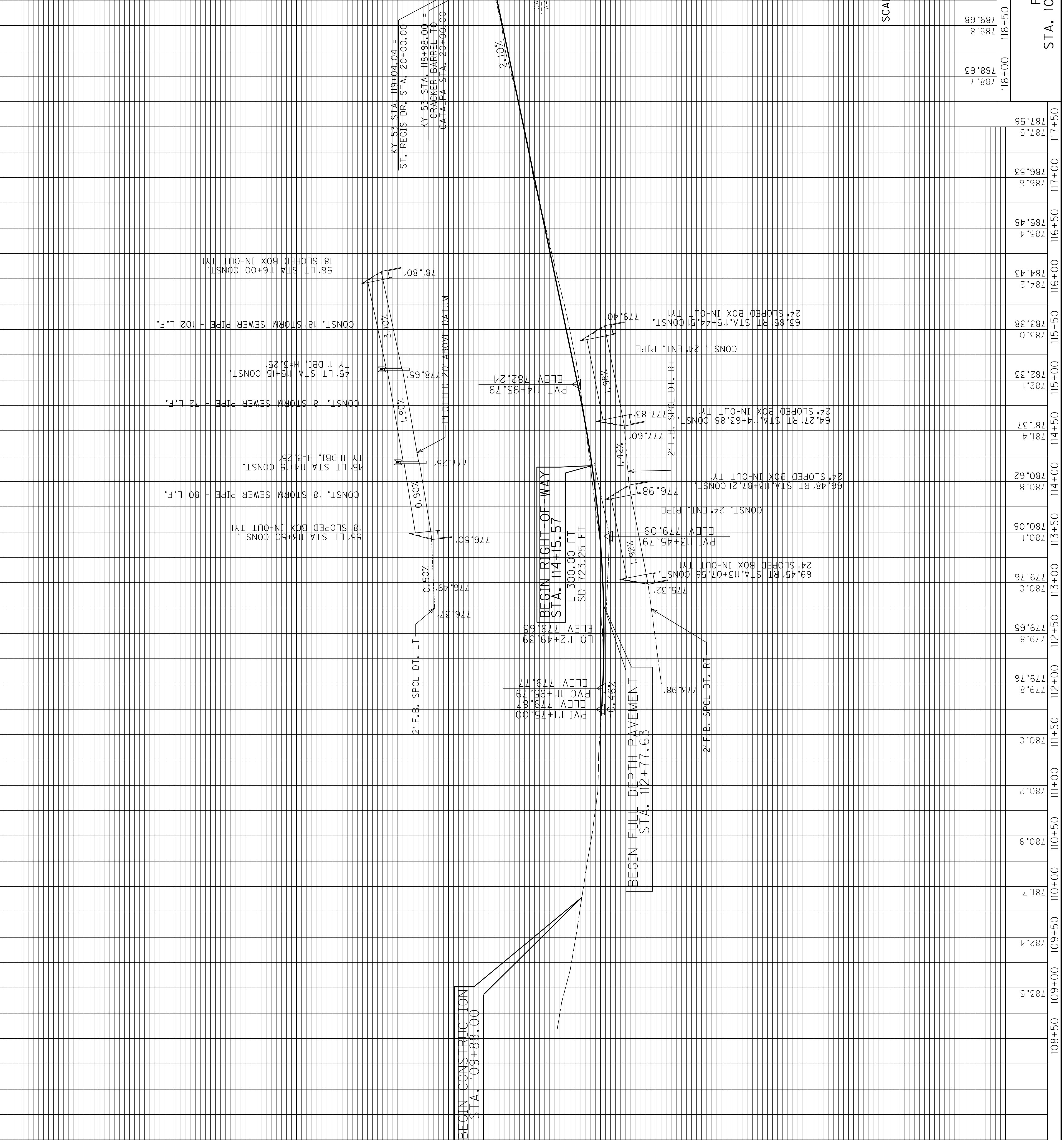
KY 53  
 PLAN SHEET







DATE PLOTTED: July 15, 2020	FILE NAME: V:\18\ACTIVE\17856700\ROADWAY\PHASE 1\SUBMITTALS\OFFICIAL_SUBMITTALS\2020-04-10_FINAL_PLANS\2020_07_15_RESUBMITTALS\R0050.PR
USERS: hmwier	
E-SHEET NAME:	
MicroStation v8.11.9.829	



740	108+50	783.5	
745	109+00	781.7	
750	109+50	782.4	
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770	111+50	779.8	
775	112+00	779.8	
780	112+50	779.65	
785	113+00	780.0	
790	113+50	779.76	
795	114+00	780.1	
800	114+50	780.8	
805	115+00	780.08	
810	115+50	780.8	
815	116+00	781.4	
820	116+50	781.4	
825	117+00	781.4	
830	117+50	781.4	
835	118+00	781.5	

UNDERGROUND UTILITY ELEVATIONS ARE ASSUMED AND LOW WIRE ELEVATIONS ARE APPROXIMATE. BOTH ARE SHOWN FOR INFORMATION PURPOSES ONLY. ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO CONSTRUCTION

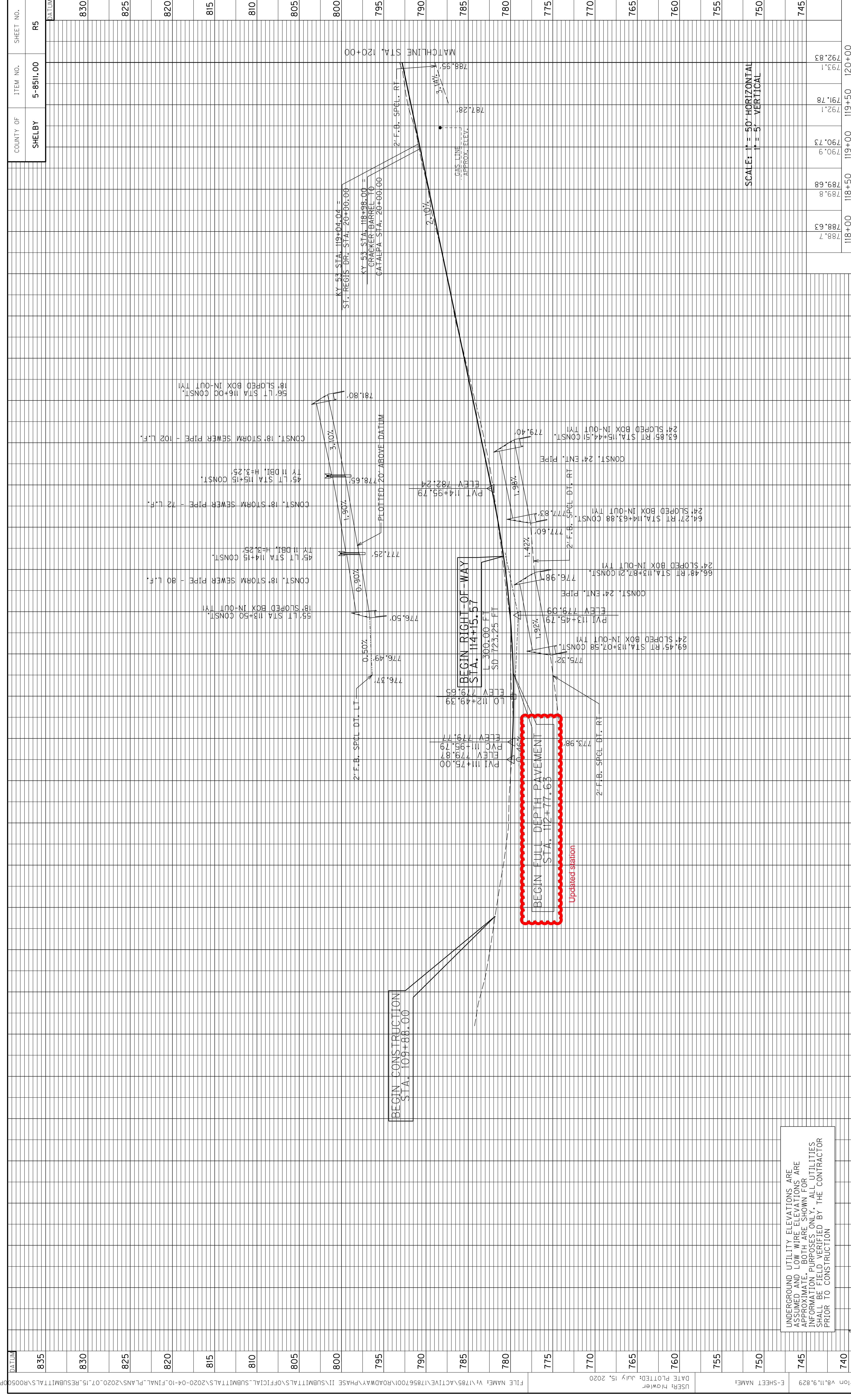
SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL

DATE PLOTTED: July 15, 2020

USERS: hmwier

E-SHEET NAME:

MicroStation v8.11.9.829



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SCALE: 1" = 50' HORIZONTAL  
1" = 5' VERTICAL

COUNTY OF		ITEM NO.	SHEET NO.
SHELBY		5-8511.00	R72

BLASTING OPERATIONS CONT'D.

THE CONTRACTOR SHALL HAVE SUITABLE EQUIPMENT AT THE SITE AND IN A RUNNING MODE FOR THE PURPOSE OF CLEANING THE EXISTING PAVEMENTS OF ALL DEBRIS.

AFTER ANY BLAST, THE CONTRACTOR SHALL IMMEDIATELY INSPECT THE PAVEMENTS FOR ANY DEBRIS THAT MAY BE A HAZARD TO TRAFFIC BEFORE ALLOWING TRAFFIC TO PROCEED ON THE AFFECTED SECTION.

WHEN BLASTING, THE CONTRACTOR SHALL HALT TRAFFIC, BLAST, CLEAN THE EXISTING PAVEMENTS AND RETURN TRAFFIC TO NORMAL OPERATION IN THE LEAST AMOUNT OF TIME POSSIBLE.

PORTABLE FLASHING ARROW

THE CONTRACTOR SHALL PROVIDE PORTABLE FLASHING ARROWS AS INDICATED ON THE PLANS. THE PORTABLE FLASHING ARROWS SHALL BE MOUNTED ON TRAFFIC-WORTHY CARRIAGES THAT MEET ALL APPLICABLE SAFETY STANDARDS. THE ARROWS SHALL BE EITHER DIESEL POWERED OR ELECTRIC AND SHALL MEET THE REQUIREMENTS SPECIFIED IN THE CURRENT STANDARD DRAWINGS. PAYMENT FOR THE PORTABLE FLASHING ARROWS WILL BE BASED ON A UNIT PRICE FOR "EACH". PAYMENT SHALL BE FULL COMPENSATION FOR PROVIDING, PLACING, OPERATING, RELOCATING AND MAINTAINING THE PORTABLE FLASHING ARROWS.

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PORTABLE CHANGEABLE MESSAGE SIGNS

TO BE IN ACCORDANCE WITH THE SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGNS.

REMOVAL OF PAVEMENT MARKINGS

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS THAT DO NOT CONFORM TO THE TRAFFIC OPERATION IN USE. IN AREAS WHERE THE MARKING WILL CONFORM TO THE FINAL MARKING SCHEME OR FOR OTHER REASONS WILL NOT BE REMOVED, MARKINGS SHALL BE OF A PERMANENT TYPE PAVEMENT MARKING MATERIAL. ALL TEMPORARY MARKING WHICH MUST BE SUBMARKINGS ON EXISTING OR TEMPORARY PAVEMENT MAY BE REMOVED BY EITHER AN ABRASION OR BURNING PROCESS TO SEQUENTLY REMOVED FROM ULTIMATE PAVEMENT SHALL BE AN APPROVED REMOVABLE STRIPING TAPE. HOWEVER REMOVABLE TAPE WILL BE MEASURED AND PAID AS "PAVE STRIPING - TEMP PAINT 4 IN" REMOVE ALL PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS THAT DO NOT CONFORM TO THE TRAFFIC OPERATION IN USE OR TO THE SATISFACTION OF THE ENGINEER. PAINTING OF EXISTING MARKING WITH BITUMINOUS OR OTHER MATERIALS TO OBLITERATE THE MARKINGS SHALL NOT BE ALLOWED. ANY EXISTING PERMANENT MARKINGS BEYOND THE LIMITS OF THE PROJECT WHICH WERE REMOVED FOR TEMPORARY PURPOSES SHALL BE REPLACED IN KIND. PAYMENT FOR REPLACING SAID MARKINGS SHALL BE PAID FOR BY THE LINEAR FOOT OF "WATER BLASTING EXISTING STRIPE".

CONTRACTOR'S VEHICLES

THE CONTRACTOR'S VEHICLES SHALL ALWAYS MOVE WITH AND NOT AGAINST THE FLOW OF TRAFFIC. VEHICLES SHALL ENTER AND LEAVE WORK AREAS IN A MANNER WHICH WILL NOT BE HAZARDOUS TO OR INTERFERE WITH NORMAL TRAFFIC. VEHICLES SHALL NOT PARK OR STOP EXCEPT WITHIN WORK AREAS DESIGNATED BY THE ENGINEER.

RAILROAD PROTECTION

ARRANGE THE WORK IN ACCORDANCE WITH THE SPECIAL PROVISION FOR PROTECTION OF RAILWAY INTEREST CONCERNING NORFOLK-SOUTHERN RAILROAD COMPANY'S TRACKS DURING CONSTRUCTION.

CONSTRUCTION SEQUENCING

TRAFFIC WILL BE MAINTAINED ON KY 53, KY 55X AND US 60 AT ALL TIMES DURING THE COURSE OF THE PROJECT. THE PROJECT SHALL BE CONSTRUCTED IN THREE PHASES, SOME OF WHICH MAY RUN CONCURRENTLY:

PHASE 1 - STAGE A. NEW CONSTRUCTION OF THE SOUTHBOUND SIDE OF KY 55X WHILE MAINTAINING TRAFFIC ON A PORTION OF THE EXISTING NORTHBOUND SIDE OF KY 55X. CONSTRUCTION OF TEMPORARY SHOULDER, PAVEMENT WIDENING OR SHOULDER OVERLAY ON THE SOUTHBOUND SHOULDER OF KY 53 USING LANE CLOSURES AND FLAGGERS AS NEEDED. FLAGGER OPERATIONS MAY BE USED IN AREAS OF PART WIDTH CONSTRUCTION AND AT TIE-INS OF APPROACH ROADS. SIGNAL HEADS WILL BE REQUIRED TO BE ADJUSTED AS A PART OF THIS PHASE (AND OTHER PHASES). ADJUSTING SIGNAL HEADS WILL BE INCIDENTAL TO THE BID ITEM "MAINTAIN AND CONTROL TRAFFIC".

PHASE 1 - STAGE B. MAINTAIN TRAFFIC IN THE EXISTING SOUTHBOUND LANE AND NEWLY CONSTRUCTED WIDENING OF KY 53, CONSTRUCT AS MUCH OF THE NORTHBOUND SIDE OF KY 53 AS PRACTICAL, AND MAY INCLUDE MEDIAN CONSTRUCTION ADJACENT TO THE TRAVEL LANES. THE PROPOSED SHOULDER OF THIS PORTION OF KY 53 WILL BE PAVED TO SUFFICIENTLY SUPPORT TEMPORARY TRAFFIC IF NEEDED DURING THE PHASE 2 CONSTRUCTION. CONSTRUCT THE NORTHBOUND PORTION OF KY 55X.

PHASE 2, WHILE MAINTAINING TRAFFIC ON THE NEWLY CONSTRUCTED NORTHBOUND PORTION OF KY 53, CONSTRUCT THE SOUTHBOUND SIDE OF KY 53. ALSO COMPLETE THE US 60 INTERSECTION PORTIONS SHOWN IN THE SUB-PHASES.

PHASE 3, COMPLETE THE MEDIAN CONSTRUCTION OF KY 53 AND THE SOUTHERN TIE-IN. COMPLETE THE KY 55X CONSTRUCTION.

PHASE 4, CONSTRUCT THE ASPHALT SURFACE AND ANY REMAINING CONSTRUCTION ITEMS. THE FINAL SURFACE COURSE MAY BE CONSTRUCTED USING MOVING LANE CLOSURES AND FLAGGING OPERATIONS.

THE US 60 INTERSECTION PAVEMENT REPLACEMENT (PHASES 2B, 2C, 2D, 2E, 3A, 3B, 3C) WILL BE RESTRICTED TO BETWEEN JUNE 15 AND AUGUST 15. THE KY 53 MEDIAN COMPLETION IN PHASE 3A IS NOT RESTRICTED TO THAT PERIOD.

THE SPECIFIED COMPLETION DATE FOR THIS PROJECT IS OCTOBER 31, 2022.

**MAINTENANCE OF TRAFFIC NOTES**

SPECIAL TRAFFIC CONTROL NOTES  
TRAFFIC SIGNALS

ALL TEMPORARY SIGNALS AND SIGNAL HEAD RELOCATIONS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, PARTICULARLY SECTION 4D. PROPOSED LAYOUTS FOR TEMPORARY SIGNAL HEAD PLACEMENT MUST BE SUBMITTED BY THE CONTRACTOR IN WRITING AND APPROVED IN WRITING BY THE ENGINEER BEFORE INSTALLATION. WHEN TRAFFIC SIGNALS ARE USED IN LIEU OF FLAGPERSONS TO CONTROL TRAFFIC USING A SINGLE LANE FOR BOTH DIRECTIONS OF TRAVEL, THE SIGNAL INDICATIONS SHALL BE MOUNTED EITHER:

- ONE SIGNAL INDICATION ON EACH SIDE OF THE HIGHWAY ON EACH APPROACH.
- TWO SIGNAL INDICATIONS SUSPENDED ON A SPAN WIRE OVER THE HIGHWAY ON EACH APPROACH.

• ONE SIGNAL INDICATION MOUNTED ON A MAST ARM OR SPAN WIRE ABOVE THE HIGHWAY WITH A SECOND SIGNAL INDICATION MOUNTED ON THE RIGHT SIDE OF EACH APPROACH.

TWELVE INCH LENSES SHALL BE USED. THE SIGNALS SHALL BE MOUNTED IN ADVANCE OF BRIDGE APPROACHES, WHERE APPLICABLE, IN EACH DIRECTION AS DIRECTED BY THE ENGINEER. TIMING FOR THE SIGNAL CONTROLLER SHALL BE PROVIDED BY THE DISTRICT TRAFFIC ENGINEER.

THE SIGNAL CONTROLLER SHALL PROVIDE THE FOLLOWING FUNCTIONS:

1. AN ADJUSTABLE CYCLE LENGTH FROM 40 SECONDS TO 240 SECONDS IN MAXIMUM TEN SECOND INCREMENTS.
2. ADJUSTABLE SIGNAL SPLIT INTERVALS FOR TWO PHASES.
3. ADJUSTABLE YELLOW CLEARANCE INTERVALS FOR TWO PHASES TO INCLUDE THE RANGE FROM THREE SECONDS TO FIVE SECONDS.
4. ADJUSTABLE ALL-RED CLEARANCE INTERVALS FOR TWO PHASES TO INCLUDE THE RANGE FROM 20 SECONDS TO 60 SECONDS.

THE ABOVE INTERVAL FUNCTIONS SHALL BE ADJUSTABLE ON THE CONTROLLER BY MERELY CHANGING KEYS OR PINS OR BY KEYBOARD ENTRY OF THE DESIRED TIMING. THE CYCLE LENGTH OF THE CONTROLLER SHALL BE ADJUSTABLE BY MERELY CHANGING A GEAR OR BY KEYBOARD ENTRY OF THE DESIRED CYCLE LENGTH.

NO SPECIAL TOOLS SHALL BE REQUIRED TO CHANGE THE TIMING INTERVALS OR CYCLE LENGTH OF THE CONTROLLER. WITH THE EXCEPTION OF CERTAIN REQUIREMENTS CONTAINED HEREIN, ALL EQUIPMENT SHALL CONFORM TO THE CURRENT EDITIONS OF THE KENTUCKY DEPARTMENT OF HIGHWAYS'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

SIGNAL NOTES FOR EXISTING SIGNALIZED INTERSECTIONS

TRAFFIC SIGNALS SHALL BE USED FOR THE CONTROL OF VEHICULAR TRAFFIC THROUGH THE PRESENTLY SIGNALIZED INTERSECTION AT ALL TIMES EXCEPT AS DIRECTED OTHERWISE IN THE TRAFFIC CONTROL NOTES OR AT SUCH TIMES AS THE ENGINEER DETERMINES THAT CONDITIONS ARE SUCH THAT FLAGPERSONS SHOULD BE USED TO EXPEDITE THE FLOW OF TRAFFIC. WHEN FLAGPERSONS ARE USED FOR TRAFFIC CONTROL THROUGH THE INTERSECTION, TRAFFIC SIGNALS WITHIN THE INTERSECTION SHALL BE TURNED OFF.

UNLESS OTHERWISE NOTED, ALL EXISTING TRAFFIC SIGNALS SHALL CONFORM TO THE REQUIREMENTS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AT ALL TIMES. ANY DEVIATION FROM THIS REQUIREMENT SHALL HAVE THE WRITTEN APPROVAL OF THE ENGINEER. ALL SIGNAL HEADS THAT ARE NOT IN USE SHALL BE COVERED, TURNED OR TAKEN DOWN TO CLEARLY INDICATE THEY ARE NOT IN OPERATION. NEW SIGNAL CONDUCTORS SHALL BE INSTALLED WITH SUFFICIENT SLACK CABLE TO ALLOW FOR A LATERAL MOVEMENT OF THE SIGNAL INDICATION, IN EITHER DIRECTION, OF AT LEAST 15 FEET FROM THE INDICATED LOCATION ON THE CONTRACT DRAWINGS.

DURING CONSTRUCTION, THE TRAFFIC SIGNAL CONTROLLER MAY BE OPERATED IN THE PRE-TIMED MODE USING THE RECALL ABILITY OF THE SIGNAL CONTROLLER. ASSISTANCE IN ADJUSTING SIGNAL CONTROLLER TIMING WILL BE AVAILABLE WHEN REQUESTED THROUGH THE ENGINEER FROM THE DISTRICT TRAFFIC ENGINEER.

LEFT TURN SIGNALS SHALL BE COVERED AND LEFT IN PLACE WHEN LEFT TURN LANES MUST BE USED FOR BOTH THROUGH AND LEFT TURNING TRAFFIC. THROUGH TRAFFIC SIGNALS SHALL BE SHIFTED TO THE LEFT TO POSITIONS THAT WILL PROVIDE VISIBLE SIGNAL INDICATIONS FOR THIS RELOCATED TRAFFIC. RELOCATED SIGNALS SHALL BE LOCATED WITHIN OR ON THE PROJECTED LANE LINES FOR EACH LANE OF TRAFFIC AS DIRECTED BY THE ENGINEER.

AFTER ROADWAY WORK WITHIN THE INTERSECTION IS COMPLETED, TRAFFIC SIGNAL INDICATIONS SHALL BE ADJUSTED BACK TO THEIR PERMANENT LOCATIONS AS INDICATED ON THE CONTRACT PLANS. EXCESS LENGTHS OF SIGNAL CONDUCTORS SHALL BE REMOVED AND THE SIGNALS PERMANENTLY CONNECTED.

PAYMENT FOR THIS SIGNAL WORK IS INCLUDED IN THE BID ITEM "MAINTAIN AND CONTROL TRAFFIC".

BLASTING OPERATIONS

DURING BLASTING OPERATIONS, TRAFFIC MAY BE HALTED A MAXIMUM OF 20 MINUTES PER HOUR TO ALLOW THE EXECUTION OF THE "SHOT" AND TO ALLOW FOR REMOVAL OF ROCK FRAGMENTS AND DEBRIS. BLASTING SHALL NOT BE PERMITTED OR TRAFFIC STOPPED BETWEEN THE HOURS OF 5:30 AM TO 9:00 AM AND 2:00 PM TO 7:00 PM.

THE CONTRACTOR, WHEN USING EXPLOSIVE CHARGES OF ANY KIND FOR THE PURPOSE OF EXCAVATING, REMOVAL, ETC., ON THIS PROJECT SHALL HALT ALL TRAFFIC A SAFE DISTANCE ON EITHER SIDE OF THE IMPENDING EXPLOSION.

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TO BE IN ACCORDANCE WITH THE SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGNS. **Updated note**

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CONSTRUCTION SEQUENCING

TRAFFIC WILL BE MAINTAINED ON KY 53, KY 55X AND US 60 AT ALL TIMES DURING THE COURSE OF THE PROJECT. THE PROJECT SHALL BE CONSTRUCTED IN THREE PHASES, SOME OF WHICH MAY RUN CONCURRENTLY:

PHASE 1 - STAGE A. NEW CONSTRUCTION OF THE SOUTHBOUND SIDE OF KY 55X WHILE MAINTAINING TRAFFIC ON A PORTION OF THE EXISTING NORTHBOUND SIDE OF KY 55X. CONSTRUCTION OF TEMPORARY SHOULDER, PAVEMENT WIDENING OR SHOULDER OVERLAY ON THE SOUTHBOUND SHOULDER OF KY 53 USING LANE CLOSURES AND FLAGGERS AS NEEDED. FLAGGER OPERATIONS MAY BE USED IN AREAS OF PART WIDTH CONSTRUCTION AND AT TIE-INS OF APPROACH ROADS. SIGNAL HEADS WILL BE REQUIRED TO BE ADJUSTED AS A PART OF THIS PHASE (AND OTHER PHASES). ADJUSTING SIGNAL HEADS WILL BE INCIDENTAL TO THE BID ITEM "MAINTAIN AND CONTROL TRAFFIC".

PHASE 1 - STAGE B. MAINTAIN TRAFFIC IN THE EXISTING SOUTHBOUND LANE AND NEWLY CONSTRUCTED WIDENING OF KY 53. CONSTRUCT AS MUCH OF THE NORTHBOUND SIDE OF KY 53 AS PRACTICAL, AND MAY INCLUDE MEDIAN CONSTRUCTION ADJACENT TO THE TRAVEL LANES. THE PROPOSED SHOULDER OF THIS PORTION OF KY 53 WILL BE PAVED TO SUFFICIENTLY SUPPORT TEMPORARY TRAFFIC IF NEEDED DURING THE PHASE 2 CONSTRUCTION. CONSTRUCT THE NORTHBOUND PORTION OF KY 55X.

PHASE 2, WHILE MAINTAINING TRAFFIC ON THE NEWLY CONSTRUCTED NORTHBOUND PORTION OF KY 53, CONSTRUCT THE SOUTHBOUND SIDE OF KY 53. ALSO COMPLETE THE US 60 INTERSECTION PORTIONS SHOWN IN THE SUB-PHASES.

PHASE 3, COMPLETE THE MEDIAN CONSTRUCTION OF KY 53 AND THE SOUTHERN TIE-IN. COMPLETE THE KY 55X CONSTRUCTION.

PHASE 4, CONSTRUCT THE ASPHALT SURFACE AND ANY REMAINING CONSTRUCTION ITEMS. THE FINAL SURFACE COURSE MAY BE CONSTRUCTED USING MOVING LANE CLOSURES AND FLAGGING OPERATIONS.

THE US 60 INTERSECTION PAVEMENT REPLACEMENT (PHASES 2B, 2C, 2D, 2E, 3A, 3B, 3C) WILL BE RESTRICTED TO BETWEEN JUNE 15 AND AUGUST 15. THE KY 53 MEDIAN COMPLETION IN PHASE 3A IS NOT RESTRICTED TO THAT PERIOD.

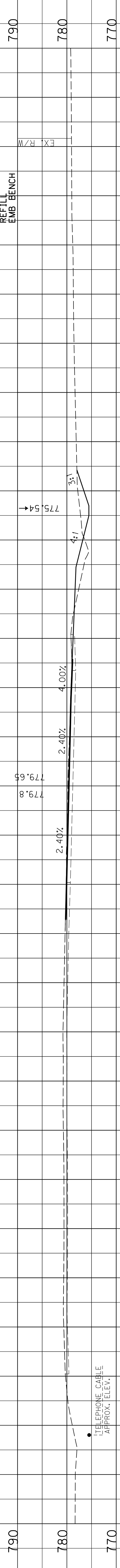
THE SPECIFIED COMPLETION DATE FOR THIS PROJECT IS OCTOBER 31, 2022.

**Updated date**

MAINTENANCE OF TRAFFIC NOTES

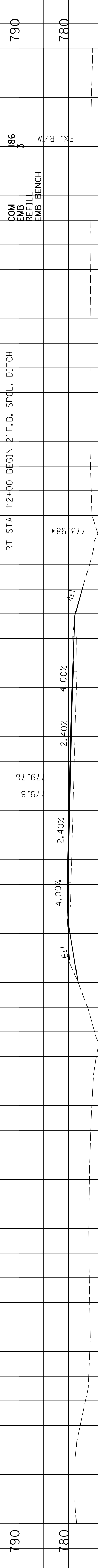
STA. 112+77.63  
BEGIN FULL DEPTH PAVEMENT

STA. 112+77.63 BEGIN SUPERELEVATION  
TRANSITION FROM 2.4%

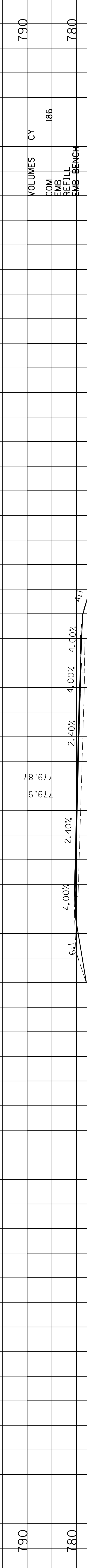


112+50

RTI STA. 112+00 BEGIN 2' F.B. SPCL. DITCH

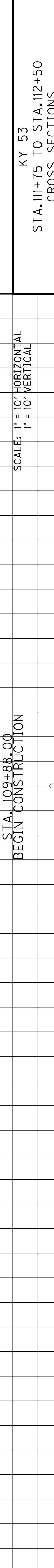


112+00



111+50

STA. 109+88.00  
BEGIN CONSTRUCTION



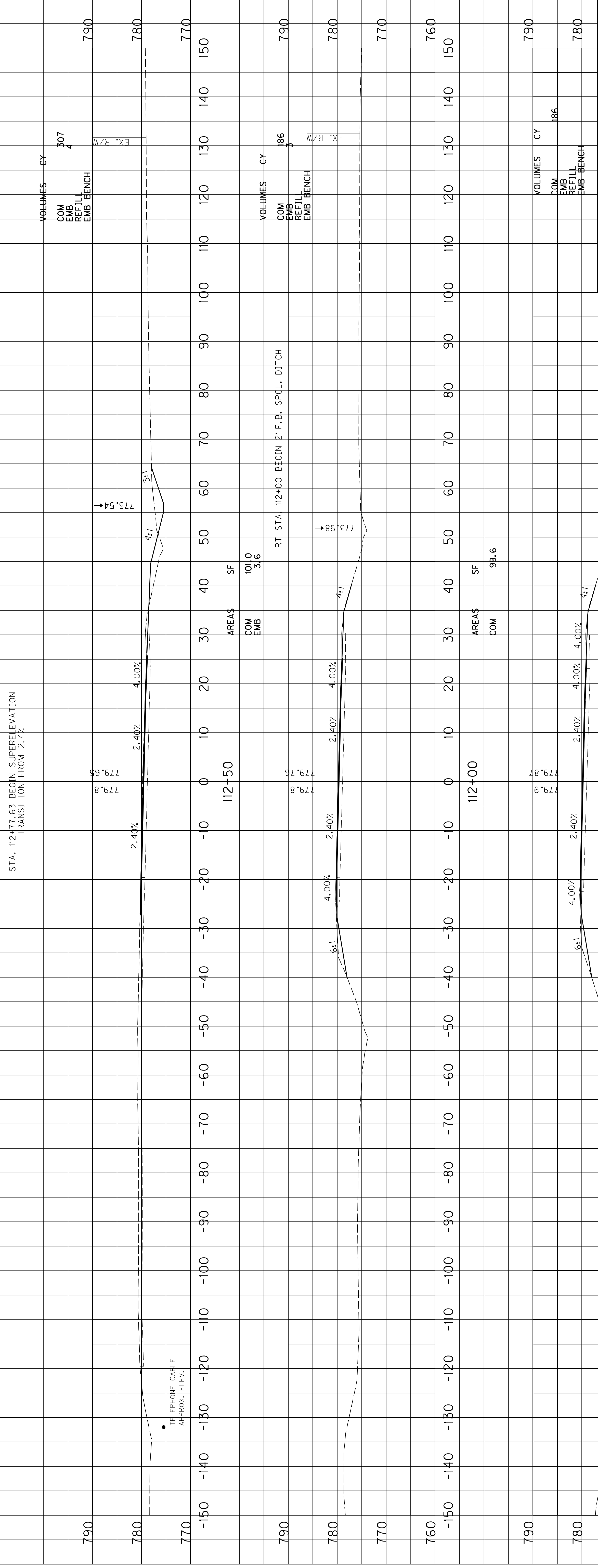
DESIGNED BY:  
DATE SUBMITTED:

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
COUNTY OF  
**SHELBY**

PROJECT NUMBER: STP 1551(028)  
FD52 106 0053 006-009

SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL  
KY 53  
STA. 111+75 TO STA. 112+50  
CROSS SECTIONS

Station updated  
STA. 112+77.63  
BEGIN FULL DEPTH PAVEMENT



DESIGNED BY: \_\_\_\_\_  
DATE SUBMITTED: \_\_\_\_\_

**Commonwealth of Kentucky**  
**DEPARTMENT OF HIGHWAYS**  
COUNTY OF  
**SHELBY**

PROJECT NUMBER: STP 1551.028  
FD52 106 0053 006-009

STA. 111+75 TO STA. 112+50  
CROSS SECTIONS  
KY 53

SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

STA. 109+88.00  
BEGIN CONSTRUCTION

AREAS: COM EMB, SF

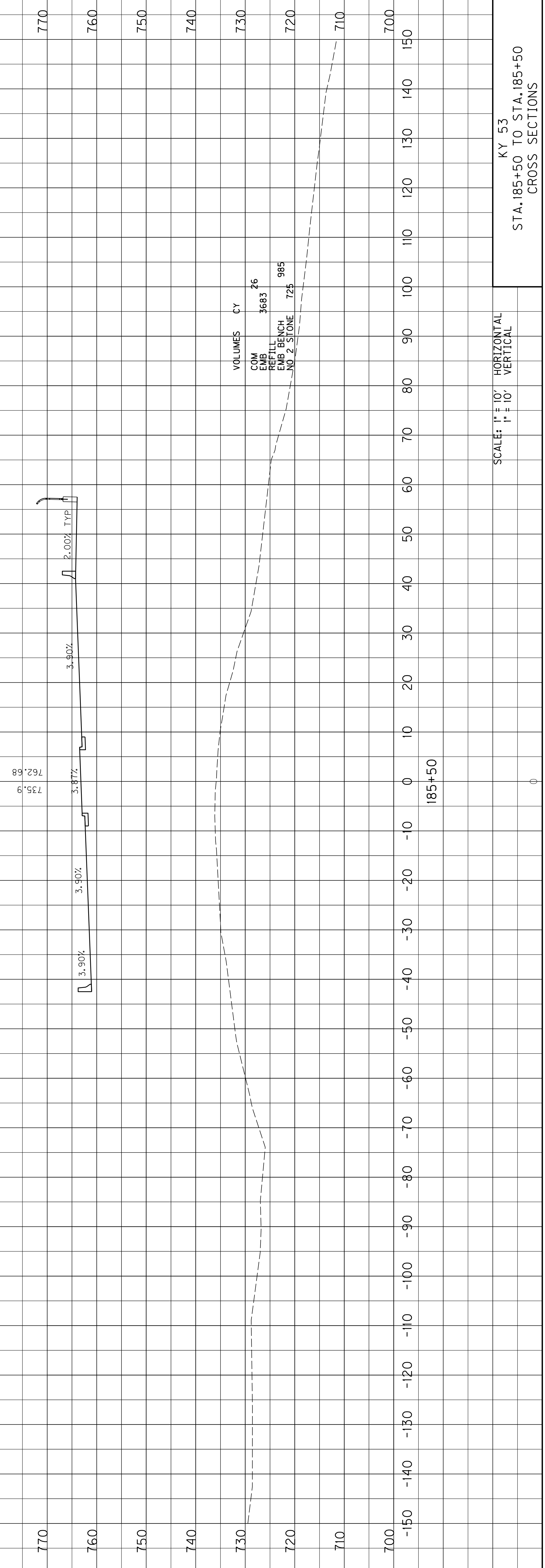
VOLUMES: COM EMB, REFILL EMB, BENCH

Project numbers added



STA. 185+90 BEGIN ROCK EMBANKMENT  
CONSTRUCTED FROM ORIGINAL GROUND LINE  
TO 29' BELOW FINAL ROAD GRADE

RT STA. 185+73 BEGIN SHARED USE PATH 5' SHOULDER

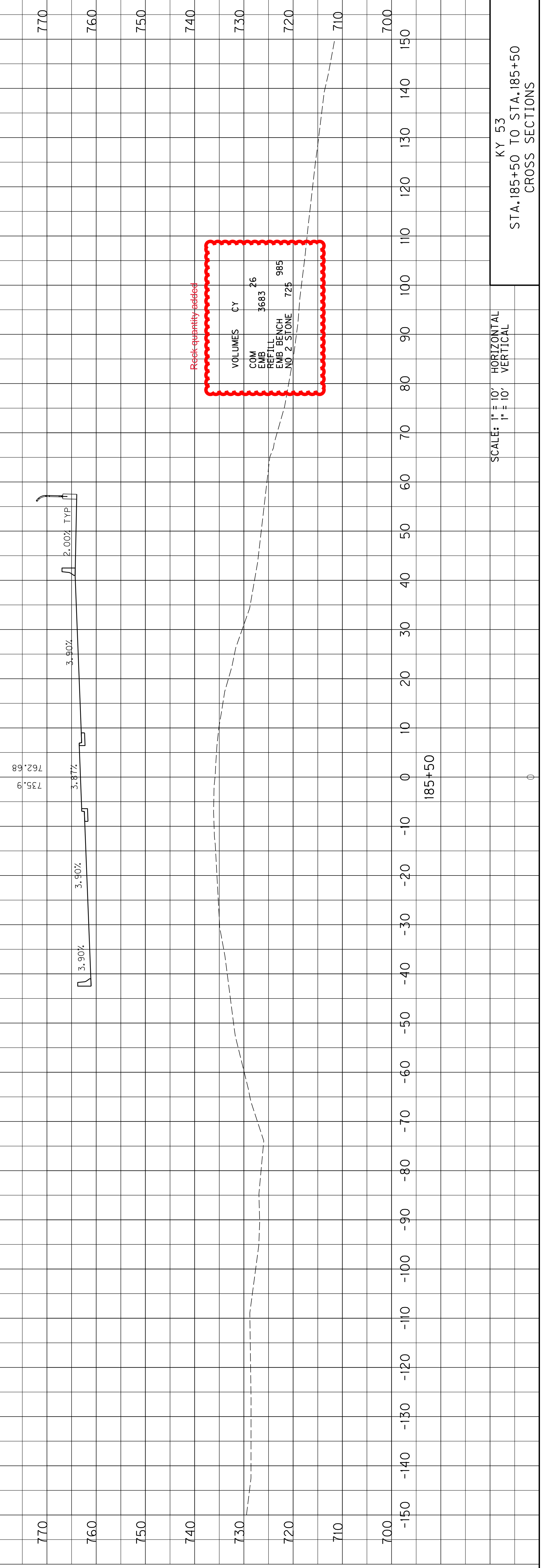


SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

KY 53  
STA. 185+50 TO STA. 185+50  
CROSS SECTIONS

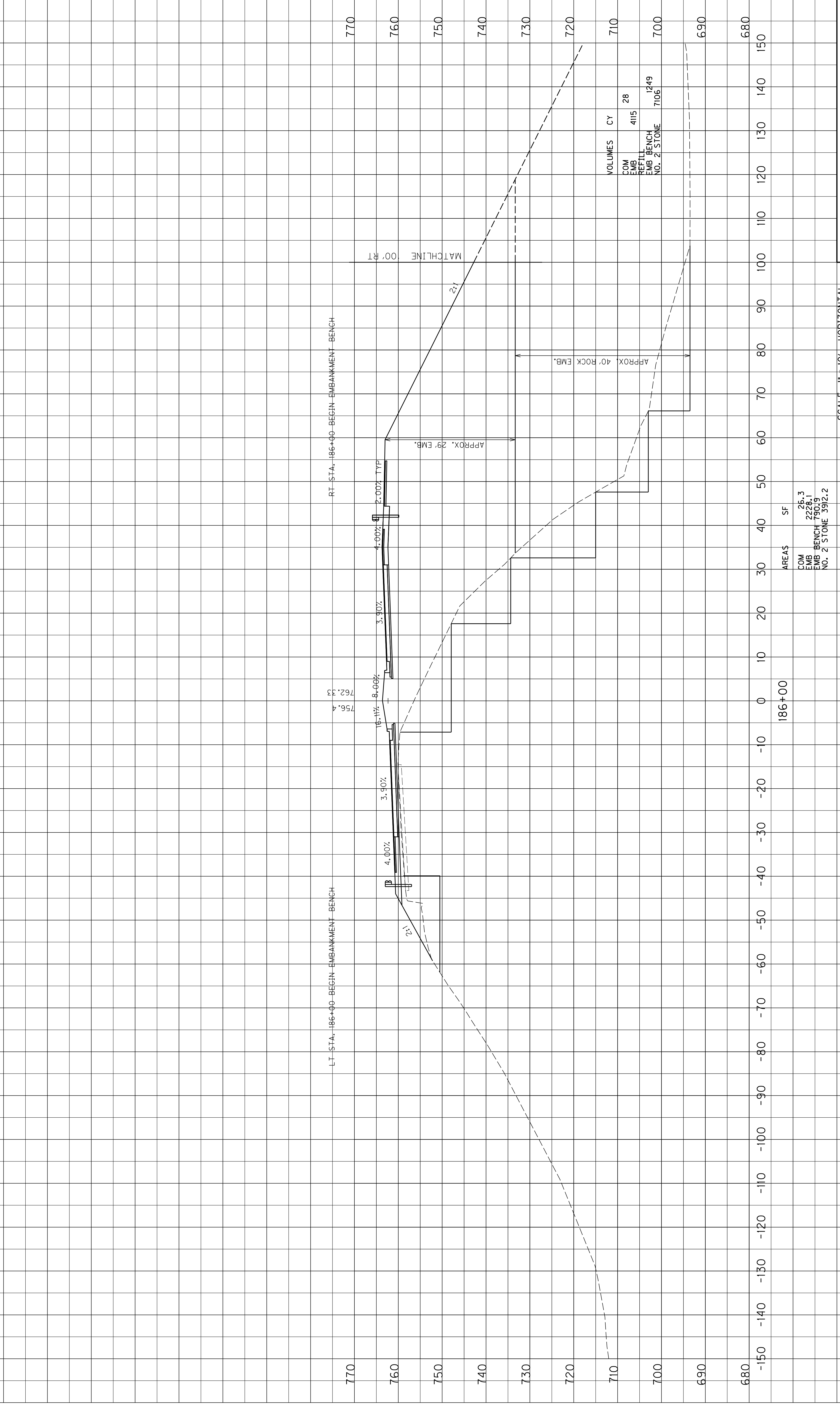
STA. 185+90 BEGIN ROCK EMBANKMENT  
 CONSTRUCTED FROM ORIGINAL GROUND LINE  
 TO 29' BELOW FINAL ROAD GRADE

RT STA. 185+73 BEGIN SHARED USE PATH 5' SHOULDER



SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 53  
 STA. 185+50 TO STA. 185+50  
 CROSS SECTIONS



VOLUMES	CY
COM EMB	415
EMFILL	28
EMB BENCH	1249
NO. 2 STONE	7106

AREAS	SF
COM	26.3
EMB	2228.1
EMB BENCH	7903.9
NO. 2 STONE	3912.2

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 53  
 STA. 186+00 TO STA. 186+00  
 CROSS SECTIONS



Rock quantity added

VOLUMES	CY
COM EMB	415
EMB FILL	28
EMB BENCH	1249
NO. 2 STONE	7106

Rock quantity added

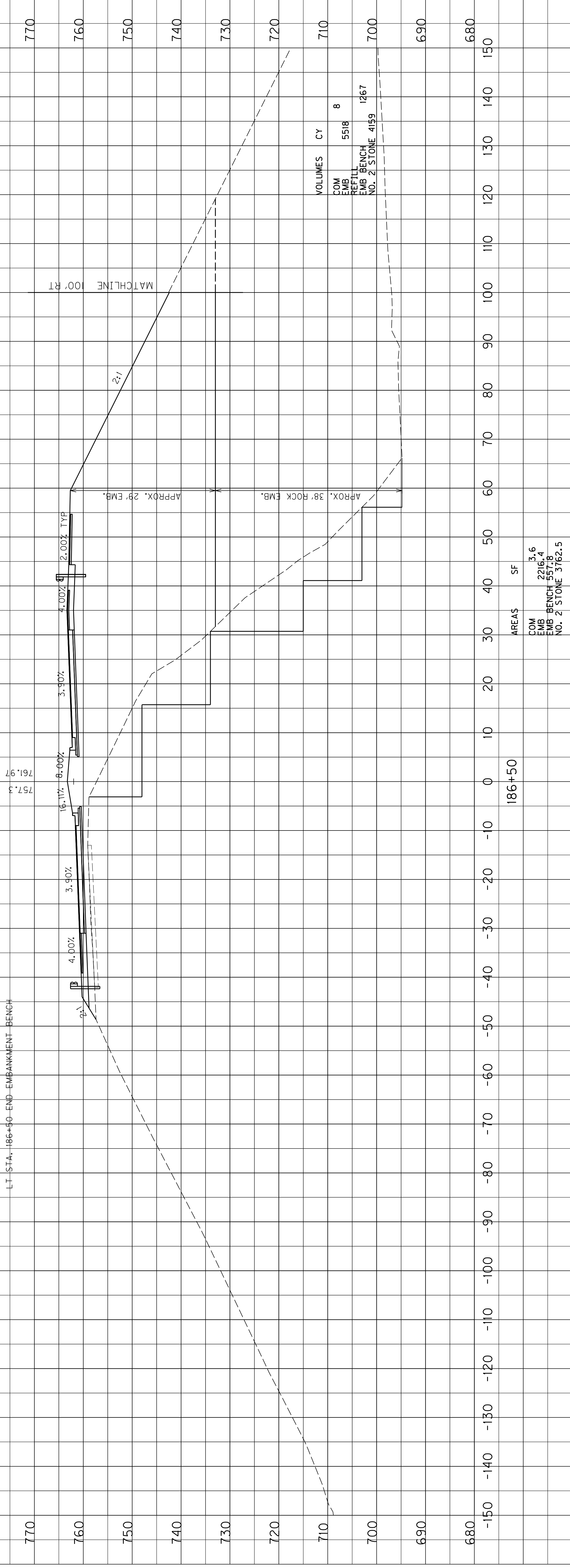
AREAS	SF
COM	26.3
EMB	2228.1
EMB BENCH	7903.9
NO. 2 STONE	3912.2

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 53  
 STA. 186+00 TO STA. 186+00  
 CROSS SECTIONS

STA. 186+50 END ROCK EMBANKMENT  
CONSTRUCTED FROM ORIGINAL GROUND LINE  
TO 29' BELOW FINAL ROAD GRADE  
AND BEGIN ROCK EMBANKMENT  
CONSTRUCTED FROM ORIGINAL GROUND LINE  
TO 48' BELOW FINAL ROAD GRADE

LI STA. 186+50 END EMBANKMENT BENCH



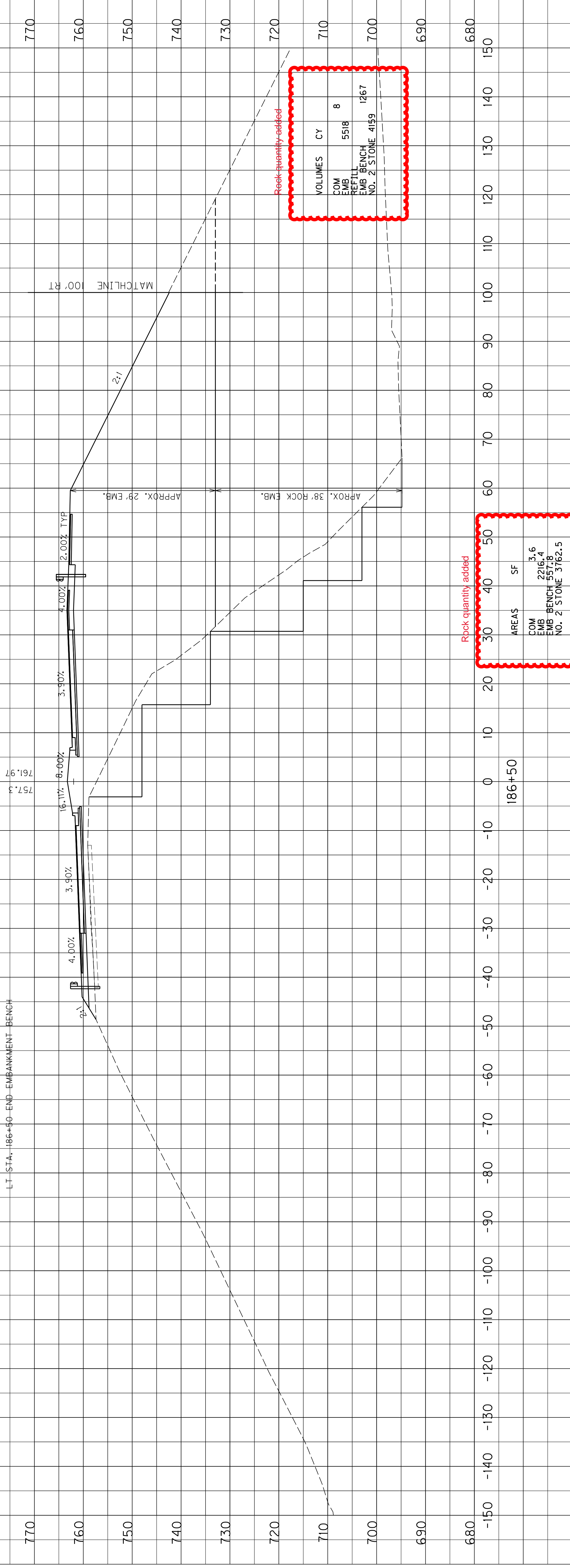
SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

KY 53  
STA. 186+50 TO STA. 186+50  
CROSS SECTIONS

COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-8511.00	X59

STA. 186+50 END ROCK EMBANKMENT  
 CONSTRUCTED FROM ORIGINAL GROUND LINE  
 TO 29' BELOW FINAL ROAD GRADE  
 AND BEGIN ROCK EMBANKMENT  
 CONSTRUCTED FROM ORIGINAL GROUND LINE  
 TO 48' BELOW FINAL ROAD GRADE

LI STA. 186+50 END EMBANKMENT BENCH



Rock quantity added

VOLUMES	CY
COM EMB	5518
EMBLEM	8
EMBLEM	1267
NO. 2 STONE	4159

Rock quantity added

AREAS	SF
COM EMB	3.6
EMBLEM	2216.4
EMBLEM	557.8
NO. 2 STONE	3762.5

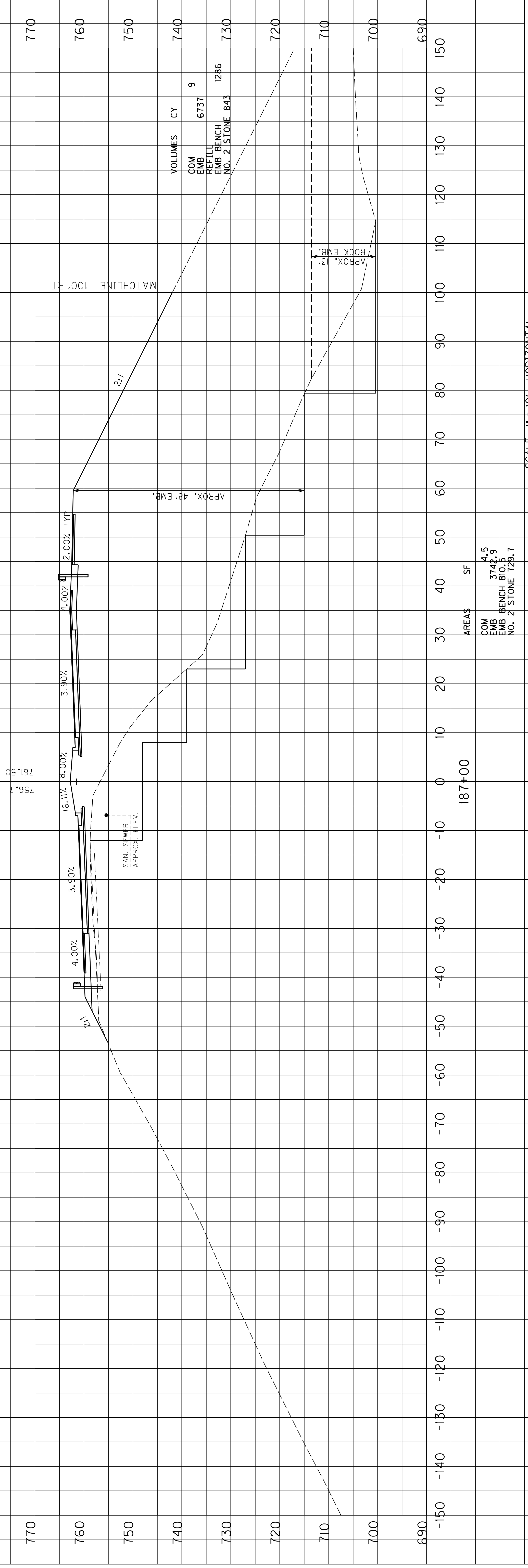
SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

KY 53  
 STA. 186+50 TO STA. 186+50  
 CROSS SECTIONS

COUNTY OF  
SHELBY

ITEM NO.  
5-8511.00

SHEET NO.  
X60



SCALE: 1" = 10' HORIZONTAL  
1" = 10' VERTICAL

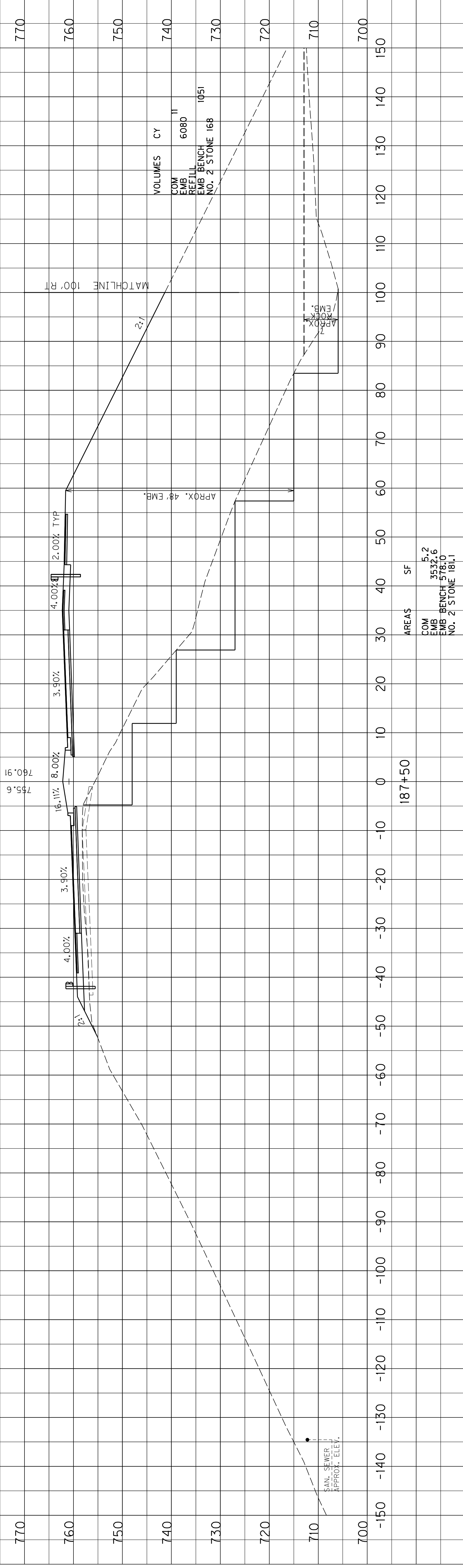
KY 53  
STA. 187+00 TO STA. 187+00  
CROSS SECTIONS





COUNTY OF	ITEM NO.	SHEET NO.
SHELBY	5-8511.00	X61

STA. 187+50 END ROCK EMBANKMENT  
 CONSTRUCTED FROM ORIGINAL GROUND LINE  
 TO 48' BELOW FINAL ROAD GRADE



MicroStation v8.11.9.829  
 E-SHEET NAME:  
 DATE PLOTTED: July 15, 2020  
 USER: hgwier  
 FILE NAME: V:\785\ACTIVE\7856700\ROADWAY\PHASE 1\SUBMITTALS\OFFICIAL.SUBMITTALS\2020-04-10\FINAL.PLAN\2020.07.15.RESUBMITTALS\X0570X-X-

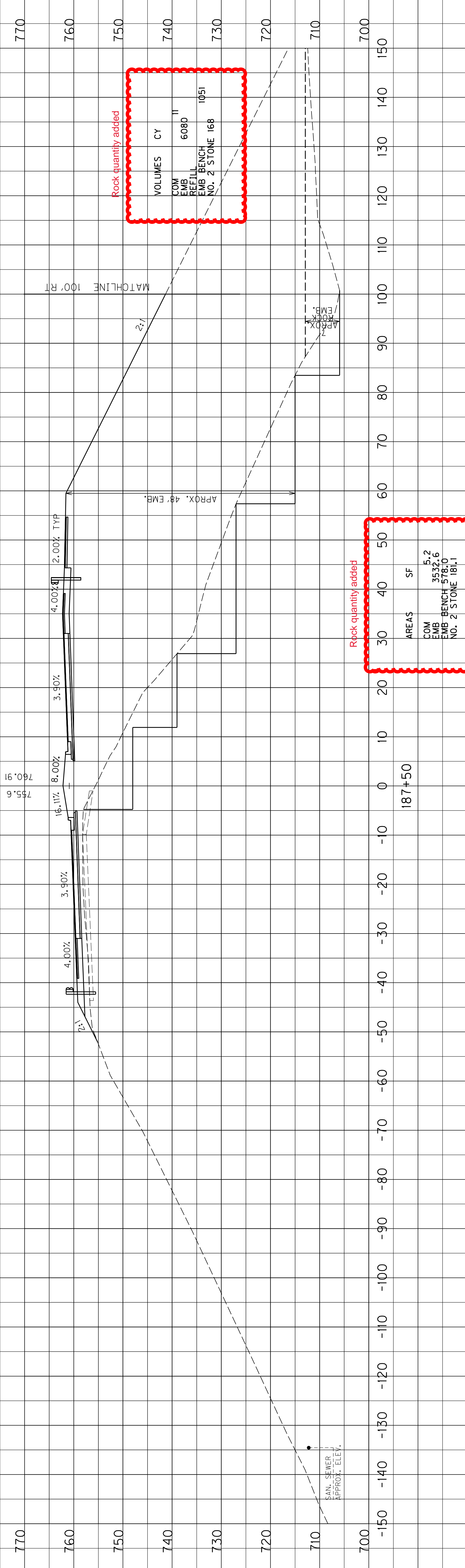
AREAS SF  
 COM EMB 5.2  
 EMB BENCH 3532.6  
 NO. 2 STONE 181.1

VOLUMES CY  
 COM EMB 6080  
 REFILL EMB BENCH 1051  
 NO. 2 STONE 168

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

STA. 187+50 TO STA. 187+50  
 CROSS SECTIONS  
 KY 53

STA. 187+50 END ROCK EMBANKMENT  
 CONSTRUCTED FROM ORIGINAL GROUND LINE  
 TO 48' BELOW FINAL ROAD GRADE



Rock quantity added

VOLUMES	CY
COM EMB REFILL	6080
EMB BENCH NO. 2 STONE	1051

Rock quantity added

AREAS	SF
COM EMB BENCH NO. 2 STONE	181.1
EMB BENCH	578.0
EMB	3532.6
COM	5.2

SCALE: 1" = 10' HORIZONTAL  
 1" = 10' VERTICAL

STA. 187+50 TO STA. 187+50  
 CROSS SECTIONS

KY 53