



CALL NO. 325

CONTRACT ID. 211059

BREATHITT COUNTY

FED/STATE PROJECT NUMBER FD04 013 0015 007-008

DESCRIPTION KY-15

WORK TYPE TRAFFIC SIGNAL SYSTEMS

PRIMARY COMPLETION DATE 5/15/2022

LETTING DATE: December 10,2021

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 am EASTERN STANDARD TIME December 10,2021. Bids will be publicly announced at 10:00 am EASTERN STANDARD TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

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

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PART I

SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 10

CONTRACT ID - 211059
FD04 013 0015 007-008
COUNTY - BREATHITT
PCN - DE01300152142
FD04 013 0015 007-008

KY-15 (MP 7.558) KY 15 INTERSECTION IMPROVEMENTS AT KY 476 IN BREATHITT COUNTY (MP 7.990), A
DISTANCE OF 0.43 MILES.TRAFFIC SIGNAL SYSTEMS SYP NO. 10-09020.00.
GEOGRAPHIC COORDINATES LATITUDE 37:28:44.00 LONGITUDE 83:19:19.00

COMPLETION DATE(S):
COMPLETED BY 05/15/2022 KY-15

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 electronic bidding software. 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 shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. When prescribed in said directives, the contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom shall be contacted through their individual Protection Notification Center. Non-compliance with these directives can result in the enforcement of penalties.

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.

HARDWOOD REMOVAL RESTRICTIONS

The US Department of Agriculture has imposed a quarantine in Kentucky and several surrounding states, to prevent the spread of an invasive insect, the emerald ash borer. Hardwood cut in conjunction with the project may not be removed from the state. Chipping or burning on site is the preferred method of disposal.

INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

Identification of excess material sites and borrow sites shall be the responsibility of the Contractor. The Contractor shall be responsible for compliance with all applicable state and federal laws and may wish to consult with the US Fish and Wildlife Service to seek protection under Section 10 of the Endangered Species Act for these activities.

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.

April 30, 2018

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 electronic bidding software. Submittal of the Affidavit should be done along the bid in Bid Express.

April 30, 2018



BREATHITT COUNTY
DISTRICT 10 - DRAINAGE 2020
ITEM NO. 10-9010
FINAL REPORT



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KY 15 INTERSECTION IMPROVEMENTS AT KY 476 IN BREATHITT COUNTY
ITEM NO. 10-9020
LIST OF SPECIAL NOTES/ DETAIL SHEETS

Special Notes and Details provided in Final Report for Reference and Discussion:

- Special Notes Applicable to Project (General Notes)
- Special Notes for Staking
- Completion Date & Liquidated Damages
- Traffic Control Plan
- Standard Drawings List

Special Notes and Details not included in Final Report but will be included in Submittal Documents:

- Special Note for Signing
- Special Note for Signage
- Special Note for Erosion Control
- Special Note for Barcodes on Permanent Signs

Special Notes Applicable to Project – General Notes & Description of Work

CAUTION

The information in this proposal and the type of work listed herein are approximate only and are not to be taken as an exact evaluation of the materials and conditions to be encountered during construction; the bidder must draw his/her own conclusions when developing the Unit Bid Prices for each bid item. As such, if the conditions encountered are not in accordance with the information shown, the Department does not guarantee any changes to the Unit Bid Prices nor extension of the contract will be considered. The Department will pay for bid item quantity overruns, but only if pre-approved by the Engineer.

STATIONING

The contractor is advised that the planned locations of work were established from the following stations:

- **KY 15: MP 7.558 to MP 7.99**
KY 15 MP 7.739 is the center of the intersection of KY 15 and KY 476 (MP 11.446) and Marie Roberts Rd in Breathitt County.

The existing mile marker signs may not correspond to the proposed work locations.

ON-SITE INSPECTION

Before submitting a bid for the work, make a thorough inspection of the site and determine existing conditions so that the work can be expeditiously performed after a contract is awarded. The Department will consider submission of a bid to be evidence of this inspection having been made. The Department will not honor any claims for money or time extension resulting from site conditions.

RIGHT OF WAY LIMITS

The Department has not established the exact limits of the Right-of-Way. Unless a consent and release form is obtained from the adjoining property owner, limit work activities to the obvious Right-of-Way and staging areas secured by the Contractor at no additional cost to the Department. In the event that private improvements (i.e. fences, buildings, etc.) encroach upon the Right-of-Way, the contractor shall notify the Engineer and limit work activities in order to NOT disturb the improvements. If they become necessary, the Department will secure consent and releases from property owners through the Engineer. The contractor shall be responsible for all encroachments onto private lands.

CONTROL

Perform all work under the absolute control of the Department of Highways. Obtain the Engineer's approval of all designs required to be furnished by the Contractor prior to incorporation into the work. The Department reserves the right to have other work performed by other contractors and its own forces and to permit public utility companies and others to do work during the construction within the limits of, or adjacent to, the project. Conduct operations and cooperate with such other parties so that interference with such other work will be reduced to a minimum. The Department will not honor any claims for money or time extension created by the operations of such other parties. Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to, the project, the Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department's work in general harmony and in a satisfactory manner, and his/her decision shall be final and binding upon the Contractor.

General Notes & Description of Work
Page 2 of 2

DESCRIPTION OF WORK

Except as specified herein, perform all work in accordance with the Department's Standard Specifications, Supplemental Specifications, applicable Special Notes and Special Provisions, and applicable Standard and Sepia Drawings, current editions. Furnish all materials, labor, equipment, and incidentals for the following work:

• **10-9020.00 - KY 15: MP 7.558 to MP 7.99:**

Traffic Beacon. Replace all existing beacons on all approaches with double faced beacon heads that have reflective back plates and LED indications. Refer to the Special Notes, Summary Sheets, and Signal Modification Plan Sheet for more information. *Notify District 10 Traffic two week in advance of any signal work.*

Remove Utility Poles. Remove all existing utility poles (2) on the western side of KY 15 between the intersection with KY 476 and the Go Time gas station. The utility poles have electric wires for the flashing school beacon in the southbound direction of KY 15.

Remove Electric. The electric wire located on the utility poles to be removed shall be removed and disconnected from the flashing school beacon located just north of the Go Time gas station.

Solar Power Source. Install Solar Power Beacon Controller for Flashing School Sign located north of the Go Time gas station. Included in the installation will be a luminaire pole and attachment of the flashing school Beacon and signage to the pole.

Drainage. Remove existing 18 inch standard headwall located just south of the Go Time gas station on the west side of KY 15. Replace the existing headwall with an 18 inch sloped and flared headwall to allow vehicles to be able to traverse the headwall. Some existing 18 inch pipe may require replacing to install new headwall any required pipe shall be incidental to the bid item: 18" Sloped and Flared Headwall.

Signing. Install proposed signing, as well as remove and/or replace existing signing as shown on the Signing Plan Sheet. GMSS Type D installation required as noted in the Signing Summary. Bracing required as noted in Signing Summary and bracing example is included on the Sign Detail Sheets. Refer to the Signing Plan sheet and Signing Summary for more information. Refer to the Special Note for Signing for more information.

Striping. Pave Marking Removal of existing passing zone (solid yellow and dashed yellow center striping) shall be along KY 15 as shown in the demo plan sheet. Center striping shall be replaced with double 6 inch solid yellow thermoplastic stripe along KY 15 where passing zone was water blasted as noted on construction plan sheet. 24 inch thermoplastic stop bars shall be placed on KY 476 and Marie Roberts Road at the intersection with KY 15. The stop bars shall adhere to all standard and sepia drawings.

Clearing. Remove all trees, brush, and obstacles within the Right-of-Way in the areas marked "Clear Brush and Trees" on the demo plan sheets.

Remove Guardrail. Remove existing guardrail located on the west side of KY 15 between the intersection of KY 15 at KY 476 and the Go Time gas station as shown on the demo plan sheets.

SPECIAL NOTE FOR STAKING

Perform Contractor Staking according to Section 201; except, in addition to the requirements of Section 201, perform the following:

1. Contrary to Section 201, perform items 1-3 usually performed by the Engineer.
2. Verify the dimensions, type, and quantities of the culvert pipes and/or entrance pipes as listed and detailed in the proposal, and determine flow line elevations and slopes necessary to provide positive drainage. Revise as necessary to accommodate the existing site conditions; to provide proper alignment of the drainage structures with existing and/or proposed ditches, stream channels, swales, and the roadway lines and grades; and to ensure positive drainage upon completion of the work.
3. Using stakes, paint marks on the pavement, mag nails, and/or any other means approved by the Engineer, the Contractor shall mark and/or stake the proposed sign locations in the field. NOTE: The proposed signs are listed in the proposal by approximate location and are NOT to be taken as the exact location for the signs. During staking operations the Contractor shall review the signing layout and existing field conditions and look for potential conflicts, including but not limited to utilities, driveways, visual obstructions, etc. When conflicts are found, adjust the staked location of signs to mitigate conflicts. Because the sign locations in the proposal are approximate and the location of some signs may need to be adjusted due to conflicts, during staking operations the Contractor shall refer to and utilize the information in the Manual on Uniform on Traffic Control Devices (MUTCD), current edition. The MUTCD cover items such as: appropriate sign location, advance placement distances, and spacing requirements for signing. The intent is for the proposed signs to be consistent with, and meet the requirements of, the MUTCD. Once the proposed sign locations have been staked, notify and coordinate with the District Traffic Engineer, and perform a review of the staked locations. Adjust the staked locations, as directed by the District Traffic Engineer and obtain approval of the final staked locations. This review will also be used to determine if there are any existing signs that require removal and/or relocation. Provide the District Traffic Engineer with 2 weeks of notice when a route will be ready for a review of the staked locations. NOTE: The District Traffic Engineer may determine that the proposed signing, including sign types and messages, needs to be adjusted and/or modified from what is shown in the proposal. Therefore, the Contractor shall not order any sign material for a route until the route has been staked and final sign location approval has been given by the District Traffic Engineer.
4. Using paint marks on the pavement, and/or any other means approved by the Engineer, the Contractor shall layout and pre-mark the proposed striping, pavement markings, etc. Adjust as necessary to accommodate the existing site conditions and to provide proper alignment of the proposed thru and turning lanes. Obtain approval of the pre-marked layout from the Engineer and/or District Traffic Engineer prior to installing the striping and/or pavement markings.
5. Prior to incorporating into the work, obtain the Engineers approval of all revisions

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determined by the Contractor.

6. Perform any and all other staking operations required to control and construct the work.

SPECIAL NOTES FOR COMPLETION DATES & LIQUIDATED DAMAGES

The ultimate fixed completion date for this project will be May 15th, 2022. Liquidated Damages for failure to complete the project on time will be assessed following Section 108.09.

The Contractor shall notify the Engineer two (2) weeks prior to beginning construction activities at each intersection. The Department will assess Liquidated Damages for failure to complete construction on time.

All liquidated damages will be applied accumulatively.

All other applicable portions of Section 108 apply.

**TRAFFIC CONTROL PLAN
BREATHITT COUNTY
KY 15 AT KY 476
ITEM NO. 10-9020**

TRAFFIC CONTROL GENERAL

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 Standard and Supplemental Specifications and the Standard and Sepia Drawings, current editions, unless otherwise provided in these notes. The lump sum bid price to “Maintain and Control Traffic” shall also include, but is not limited to, the following items and operations:

- A. All labor and materials necessary for construction and maintenance of traffic control devices and markings.
- B. All flag persons 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 proposal, the Manual on Uniform Traffic Control Devices (MUTCD) current edition, or the Engineer.

Contrary to Section 106.01, furnish new, or used in like new condition, traffic control devices at the beginning of the work and maintain in like new condition until completion of the work. Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the contractor when no longer needed. Traffic control devices will conform to current MUTCD.

Maintain access to all entrances, side streets and roads, schools, churches and commercial properties at all times during construction. Access to fire hydrants must also be maintained at all times. The Contractor will be responsible to notify adjacent property owners when work affecting the entrances will be performed.

PROJECT PHASING & CONSTRUCTION PROCEDURES

For all construction activities, utilize a lane closure, and maintain at least one lane of travel in each direction. Provide a minimum clear lane width of 10 feet, however, provide for passage of vehicles of up to 16 feet in width. If traffic should be stopped due to construction operations, and a school bus or emergency vehicle on an official run arrives on the scene, make provisions for the passage of the school bus or emergency vehicle as quickly as possible. Lane closures SHALL NOT be allowed.

Holiday & Special Events

Thanksgiving Weekend	Thursday, November 25, 2021 – Sunday, November 28, 2021
Christmas	Friday, December 24, 2021 – Saturday, December 25, 2021
New Years	Friday, December 31, 2021 – Saturday, January 1, 2022
Memorial Weekend	Friday, May 27, 2022 – Monday, May 30, 2022
Fourth of July Weekend	Friday, July 1, 2022 – Monday, July 4, 2022

Construction activities that involve closures or affect traffic flow shall not be allowed between the hours of 6:30 AM and 9:00 AM or between 2:30 PM and 5:00 PM during the school year (August 11th, 2021 – May 10th, 2022).

The Contractor shall completely cover any signs, existing, permanent, or temporary, which do not properly apply to the current traffic phasing, and shall maintain the covering until signs are applicable or are removed.

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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.

SIGNS

All signing shall be approved by the Engineer before work can be started by the Contractor.

All temporary signs will not be measured for payment but shall be incidental to Maintain and Control Traffic. Individual signs will be measured only once for payment, regardless of how many times they are set, reset, relocated, and removed during the duration of the project. Replacements for damaged signs directed by the Engineer to be replaced due to poor condition or reflectivity will not be measured for payment.

PORTABLE CHANGEABLE MESSAGE SIGNS

Provide portable changeable message sign (PCMS) at least two weeks prior to construction at the locations approved by the Engineer. The messages required to be provided will be designated by the Engineer. The PCMS will be in operation at all times. In the event of damage or mechanical/electrical failure, the contractor will repair or replace the PCMS immediately. The Department will not take possession of the signs upon completion of the work. The Department will measure for payment the maximum number of PCMS in concurrent use at the same time on a single day on all sections of the contract. PCMS will be paid for once, no matter how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged changeable message signs directed by the Engineer to be replaced due to poor condition or readability will not be measured for payment.

BARRICADES

The Department will not measure barricades used in lieu of barrels and cones for channelization or delineation, but shall be incidental to Maintain and Control Traffic according to Section 112.04.01.

PAVEMENT MARKINGS

If there is to be a deviation from the existing striping plan, the Engineer will furnish the Contractor a striping plan prior to placement of final surface course. Removal of pavement markings will be by water blasting process to the satisfaction of the Engineer. Place temporary and permanent striping in accordance with Section 112 with following exception for Temporary Striping:

If the Contractor's operations or phasing requires temporary markings that must subsequently be removed from the final surface course or existing surface to remain in place, use an approved removable lane tape; however, the Department will not measure removable lane tape for separate payment, but will measure and pay for removable lane tape as temporary striping.

PAVEMENT EDGE DROP-OFFS

Do not allow a pavement edge between opposing directions of traffic or lanes that is expected to cross in a lane change situation with an elevation difference greater than 1 ½". Place Warning signs (MUTC

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W8-11 or W8-9A) in advance of and at 1500' intervals throughout the drop-off area. Dual post the signs on both sides of the traveled way. Wedge all transverse transitions between resurfaced and unsurfaced areas which traffic may cross with asphalt mixture for leveling and wedging. Remove the wedges prior to placement of the final surface course.

Protect pavement edges that traffic is not expected to cross, except accidentally, as follows:

Less than 2" – Not protection required. Warning signs should be placed in advance and throughout the drop-off area.

2" to 4" – Place plastic drums, vertical panels, or barricades every 50 feet. During daylight working hours only, the Engineer will allow the Contractor to use cones in lieu of plastic drums, panels, and barricades. Spacing of devices on tapered sections shall be in accordance with MUTCD, current edition. When work is not active in the drop-off area, wedge the drop-off with DGA or asphalt mixture for leveling and wedging with 1:1 or flatter slope in daylight hours, or 3:1 or flatter slope during nighttime hours.

Greater than 4" – Positive separation or wedge with a 3:1 or flatter slope. If there is five feet or more distance between the edge of pavement and 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. Barricades may be used if the drop-off is greater than 12 inches.

USE AND PLACEMENT OF CHANGEABLE MESSAGE SIGNS

The following policy is based upon current Changeable Message Signs (CMS) standards and practice from many sources, including the Federal Highway Administration (FHWA), other State Departments of Transportation, and Traffic Safety Associations. It is understood that each CMS installation or use requires individual consideration due to the specific location or purpose. However, there will be elements that are constant in nearly all applications. Accordingly these recommended guidelines bring a level of uniformity, while still being open to regional experience and engineering judgment.

Application

The primary purpose of CMS is to advise the driver of unexpected traffic and routing situations. Examples of applications where CMS can be effective include:

- Closures (road, lane, bridge, ramp, shoulder, interstate)
- Changes in alignment or surface conditions
- Significant delays, congestion
- Construction/maintenance activities (delays, future activities)
- Detours/alternative routes
- Special events with traffic and safety implications
- Crash/incidents
- Vehicle restrictions (width, height, weight, flammable)

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- Advance notice of new traffic control devices
- Real-time traffic conditions (must be kept up to date)
- Weather /driving conditions, environmental conditions, Roadway Weather Information Systems
- Emergency Situations
- Referral to Highway Advisory Radio (if available)
- Messages as approved by the County Engineer's Office

CMS should not be used for:

- Replacement of static signs (e.g. road work ahead), regulatory signage (e.g. speed limits), pavement markings, standard traffic control devices, conventional warning or guide signs.
- Replacement of lighted arrow board
- Advertising (Don't advertise the event unless clarifying "action" to be taken by driver – e.g. Speedway traffic next exit)
- Generic messages
- Test messages (portable signs only)
- Describe recurrent congestion (e.g. rush hour)
- Public service announcements (not traffic related)

Messages

Basic principles that are important to providing proper messages and insuring the proper operation of a CMS are:

- Visible for at least ½ mile under ideal daytime and nighttime conditions
- Legible from all lanes a minimum of 650 feet
- Entire message readable twice while traveling at the posted speed
- No more than two message panels should be used (three panels may be used on roadways where vehicles are traveling less than 45 mph). A panel is the message that fits on the face of the sign without flipping or scrolling.
- Each panel should convey a single thought; short and concise
- Do not use two unrelated panels on a sign
- Do not use the sign for two unrelated messages
- Should not scroll text horizontally or vertically
- Should not contain both the words left and right
- Use standardized abbreviations and messages
- Should be accurate and timely
- Avoid filler/unnecessary words and periods (hazardous, a, an, the)
- Avoid use of speed limits
- Use words (not numbers) for dates

Placement

Placement of the CMS is important to insure that the sign is visible to the driver and provides ample time to take any necessary action. Some of the following principles may only be applicable to controlled access roadways. The basic principles of placement for a CMS are:

- When 2 signs are needed, place on same side of roadway and at least 1,000 feet apart
- Place behind semi-rigid/rigid protection (guardrail, barrier) or outside of the clear zone
- Place 1,000 feet in advance of work zone; at least one mile ahead of decision point

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- Normally place on right side of roadway; but should be placed closest to the affected lane so that either side is acceptable
- Signs should not be dual mounted (one on each side of roadway facing same direction)
- Point trailer hitch downstream
- Secure to immovable object to prevent theft (if necessary)
- Do not place in sags or just beyond crest
- Check for reflection of sun to prevent the blinding of motorist
- Should be turned ~3 degrees outward from perpendicular to the edge of pavement
- Bottom of sign should be 7 feet above the elevation of edge of roadway
- Should be removed when not in use

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Standard Abbreviations

The following is a list of standard abbreviations to be used on CMS:

<u>Word</u>	<u>Abbrev</u>	<u>Example</u>
Access	ACCS	ACCIDENT AHEAD/ USE ACCS RD NEXT RIGHT
Alternate	ALT	ACCIDENT AHEAD/ USE ALT RTE NEXT RIGHT
Avenue	AVE	FIFTH AVE CLOSED/ DETOUR NEXT LEFT
Blocked	BLKD	FIFTH AVE BLKD/ MERGE LEFT
Boulevard	BLVD	MAIN BLVD CLOSED/ USE ALT RTE
Bridge	BRDG	SMITH BRDG CLOSED/ USE ALT RTE
Cardinal Directions	N, S, E, W	N I75 CLOSED/ DETOUR EXIT 30
Center	CNTR	CNTR LANE CLOSED/ MERGE LEFT
Commercial	COMM	OVRSZ COMM VEH/ USE I275
Condition	COND	ICY COND POSSIBLE
Congested	CONG	HVY CONG NEXT 3 MI
Construction	CONST	CONST WORK AHEAD/ EXPECT DELAYS
Downtown	DWNTN	DWNTN TRAF USE EX 40
Eastbound	E-BND	E-BND I64 CLOSED/ DETOUR EXIT 20
Emergency	EMER	EMER VEH AHEAD/ PREPARE TO STOP
Entrance, Enter	EX, EXT	DWNTN TRAF USE EX 40
Expressway	EXPWY	WTRSN EXPWY CLOSED/ DETOUR EXIT 10
Freeway	FRWY, FWY	GN SYNDR FWY CLOSED/ DETOUR EXIT 15
Hazardous Materials	HAZMAT	HAZMAT IN ROADWAY/ ALL TRAF EXIT 25
Highway	HWY	ACCIDENT ON AA HWY/ EXPECT DELAYS
Hour	HR	ACCIDENT ON AA HWY/ 2 HR DELAY
Information	INFO	TRAF INFO TUNE TO 1240 AM
Interstate	I	E-BND I64 CLOSED/ DETOUR EXIT 20
Lane	LN	LN CLOSED MERGE LEFT
Left	LFT	LANE CLOSED MERGE LFT
Local	LOC	LOC TRAF USE ALT RTE
Maintenance	MAINT	MAINT WRK ON BRDG/ SLOW
Major	MAJ	MAJ DELAYS I75/ USE ALT RTE
Mile	MI	ACCIDENT 3 MI AHEAD/ USE ALT RTE
Minor	MNR	ACCIDENT 3 MI MNR DELAY
Minutes	MIN	ACCIDENT 3 MI/ 30 MIN DELAY
Northbound	N-BND	N-BND I75 CLOSED/ DETOUR EXIT 50
Oversized	OVRSZ	OVRSZ COMM VEH/ USE I275 NEXT RIGHT
Parking	PKING	EVENT PKING NEXT RGT
Parkway	PKWY	CUM PKWAY TRAF/ DETOUR EXIT 60
Prepare	PREP	ACCIDENT 3 MI/ PREP TO STOP
Right	RGT	EVENT PKING NEXT RGT
Road	RD	HAZMAT IN RD/ ALL TRAF EXIT 25
Roadwork	RDWK	RDWK NEXT 4 MI/ POSSIBLE DELAYS
Route	RTE	MAJ DELAYS I75/ USE ALT RTE
Shoulder	SHLDR	SHLDR CLOSED NEXT 5 MI
Slippery	SLIP	SLIP COND POSSIBLE/ SLOW SPD
Southbound	S-BND	S-BND I75 CLOSED/ DETOUR EXIT 50
Speed	SPD	SLIP COND POSSIBLE/ SLOW SPD

Traffic Control Plan
Page 7 of 8

Standard Abbreviations (cont)

<u>Word</u>	<u>Abbrev</u>	<u>Example</u>
Street	ST	MAIN ST CLOSED/ USE ALT RTE
Traffic	TRAF	CUM PKWAY TRAF/ DETOUR EXIT 60
Vehicle	VEH	OVRSZ COMM VEH/ USE I275 NEXT RIGHT
Westbound	W-BND	W-BND I64 CLOSED/ DETOUR EXIT 50
Work	WRK	CONST WRK 2MI/ POSSIBLE DELAYS

Certain abbreviations are prone to inviting confusion because another word is abbreviated or could be abbreviated in the same way. DO NO USE THESE ABBREVIATIONS:

<u>Abbrev</u>	<u>Intended Word</u>	<u>Word Erroneously Given</u>
ACC	Accident	Access (Road)
CLRS	Clears	Colors
DLY	Delay	Daily
FDR	Feeder	Federal
L	Left	Lane (merge)
LOC	Local	Location
LT	Light (traffic)	Left
PARK	Parking	Park
POLL	Pollution (index)	Poll
RED	Reduce	Red
STAD	Stadium	Standard
TEMP	Temporary	Temperature
WRNG	Warning	Wrong

Typical Messages

The following is a list of typical messages used on CMS. The list consists of the reason or problem that you want the driver to be aware of and the action that you want the driver to take.

<u>Reason/Problem</u>	<u>Action</u>
ACCIDENT	ALL TRAFFIC EXIT RT
ACCIDENT/XX MILES	AVOID DELAY USE XX
XX ROAD CLOSED	CONSIDER ALT ROUTE
XX EXIT CLOSED	DETOUR
BRIDGE CLOSED	DETOUR XX MILES
BRIDGE/(SLIPPERY, ICE, ETC.)	DO NOT PASS
CENTER/LANE/CLOSED	EXPECT DELAYS
DELAY(S), MAJOR/DELAYS	FOLLOW ALT ROUTE
DEBRIS AHEAD	KEEP LEFT
DENSE FOG	KEEP RIGHT
DISABLED/VEHICLE	MERGE XX MILES
EMER/VEHICLES/ONLY	MERGE LEFT
EVENT PARKING	MERGE RIGHT
EXIT XX CLOSED	ONE-WAY TRAFFIC
FLAGGER XX MILES	PASS TO LEFT
FOG XX MILES	PASS TO RIGHT

Traffic Control Plan
Page 8 of 8

Typical Messages (cont)

Reason/Problem

FREEWAY CLOSED
FRESH OIL
HAZMAT SPILL
ICE
INCIDENT AHEAD
LANES (NARROW, SHIFT, MERGE, ETC.)
LEFT LANE CLOSED
LEFT LANE NARROWS
LEFT 2 LANES CLOSED
LEFT SHOULDER CLOSED
LOOSE GRAVEL
MEDIAN WORK XX MILES
MOVING WORK ZONE, WORKERS IN ROADWAY
NEXT EXIT CLOSED
NO OVERSIZED LOADS
NO PASSING
NO SHOULDER
ONE LANE BRIDGE
PEOPLE CROSSING
RAMP CLOSED
RAMP (SLIPPERY, ICE, ETC.)
RIGHT LANE CLOSED
RIGHT LANE NARROWS
RIGHT SHOULDER CLOSED
ROAD CLOSED
ROAD CLOSED XX MILES
ROAD (SLIPPERY, ICE, ETC.)
ROAD WORK
ROAD WORK (OR CONSTRUCTION) (TONIGHT, TODAY, TOMORROW, DATE)
ROAD WORK XX MILES
SHOULDER (SLIPPERY, ICE, SOFT, BLOCKED, ETC.)
NEW SIGNAL XX MILES
SLOW 1 (OR 2) - WAY TRAFFIC
SOFT SHOULDER
STALLED VEHICLES AHEAD
TRAFFIC BACKUP
TRAFFIC SLOWS
TRUCK CROSSING
TRUCKS ENTERING
TOW TRUCK AHEAD
UNEVEN LANES
WATER ON ROAD
WET PAINT
WORK ZONE XX MILES
WORKERS AHEAD

Action

PREPARE TO STOP
REDUCE SPEED
SLOW
SLOW DOWN
STAY IN LANE
STOP AHEAD
STOP XX MILES
TUNE RADIO 1610 AM
USE NN ROAD
USE CENTER LANE
USE DETOUR ROUTE
USE LEFT TURN LANE
USE NEXT EXIT
USE RIGHT LANE
WATCH FOR FLAGGER

2020 STANDARD DRAWINGS THAT APPLY

ROADWAY
~ DRAINAGE ~
HEADWALLS

SLOPED AND FLARED BOX INLET – OUTLET 18”-24”-30”36” ALL SKEWS	RDB-105-06
GRATES FOR SLOPED AND FLARED BOX INLET - OUTLET	RDB-106-05

MISCELLANEOUS DRAINAGE

EROSION CONTROL BLANKET.....	RDI-040-01
TEMPORARY SILT FENCE.....	RDX-210-03
SILT TRAP - TYPE A	RDX-220-05
SILT TRAP - TYPE B.....	RDX-225-01
SILT TRAP - TYPE C.....	RDX-230-01

~ GENERAL ROADWAY STANDARDS ~

TYPE D BREAKAWAY SIGN SUPPORT	RGX-065-02
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TRAFFIC
~ PERMANENT ~
MARKERS

PAVEMENT STRIPING DETAILS FOR TWO LANE TWO WAY ROADWAYS	TPM-175
TYPICAL MARKINGS AT SIGNALIZED INTERSECTIONS.....	TPM-203
CENTERLINE RUMBLE STRIPS PLACEMENT DETAILS.....	TPR-100
CENTERLINE RUMBLE STRIPS 4 INCH STRIPING.....	TPR-105

~ TEMPORARY ~
TRAFFIC CONTROL

SHOULDER CLOSURE.....	TTC-135-03
DOUBLE FINES ZONE SIGNS	TTD-120-03
SPEED ZONE SIGNING FOR WORK ZONES	TTD-130

STRIPING OPERATIONS

MOBILE OPERATION FOR DURABLE STRIPING CASE III	TTS-130-02
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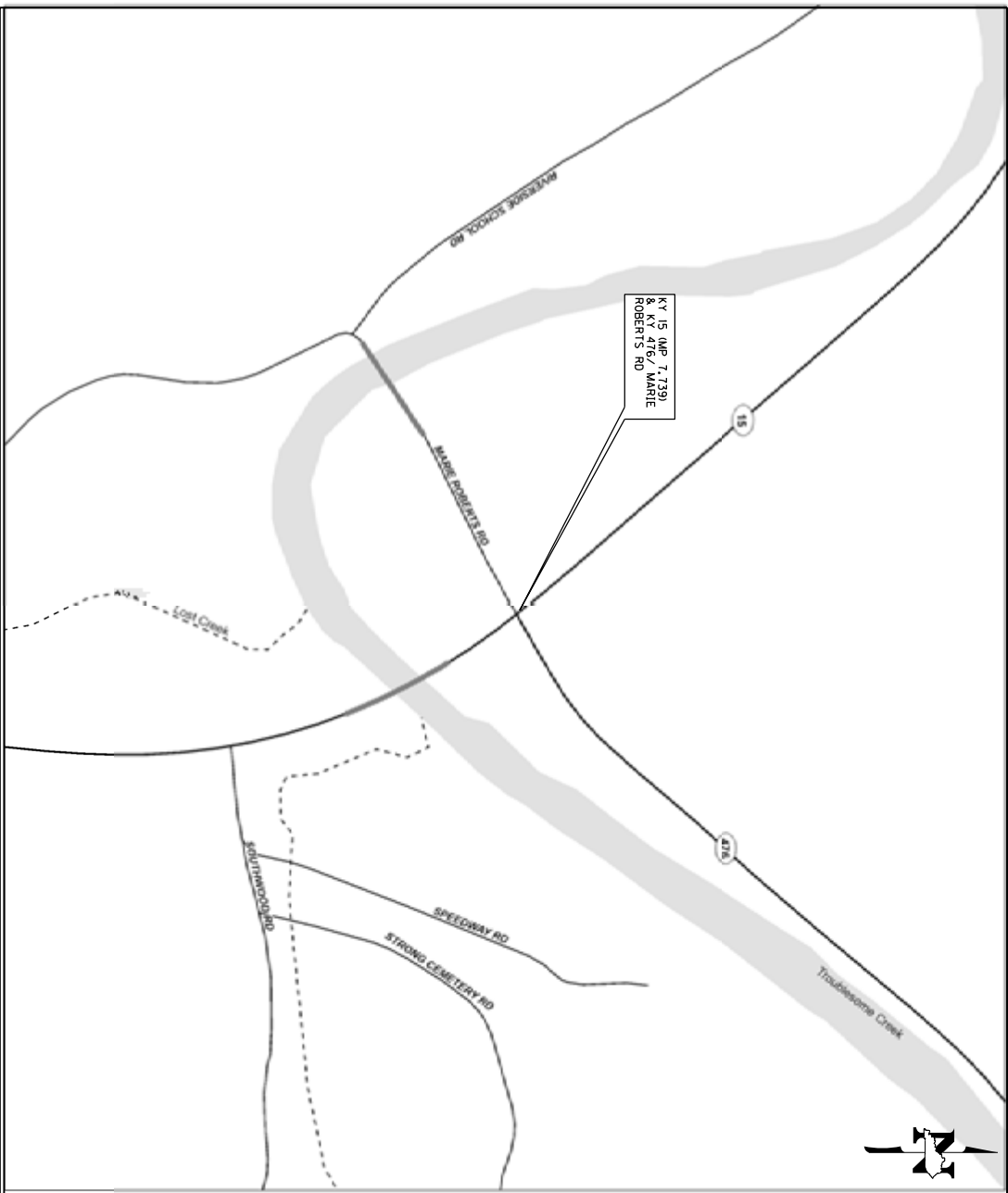
BREATHTHITT COUNTY

COUNTY OF	ITEM NO.
BREATHITT	10-9020



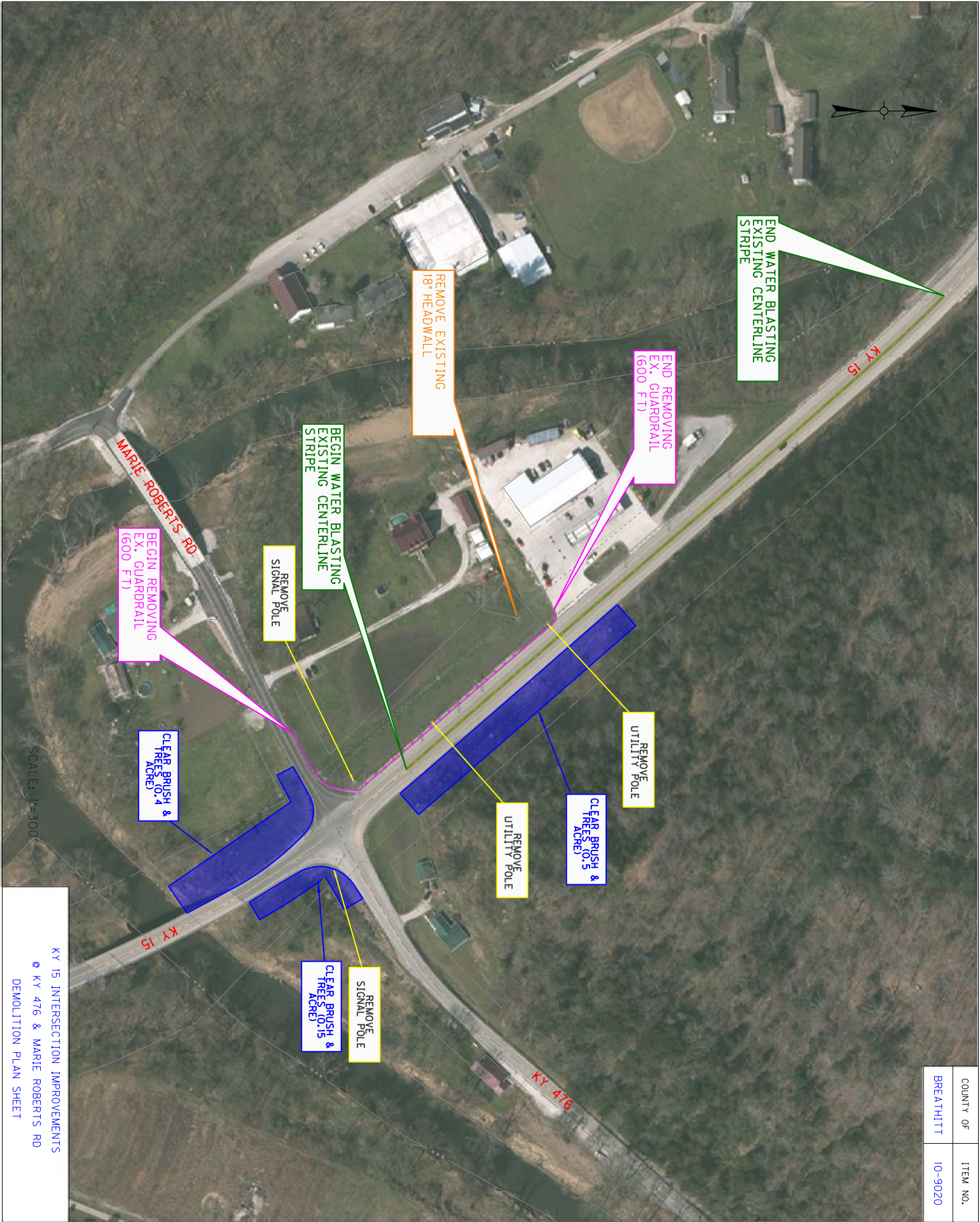
Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF
PROPOSED PROJECT
BREATHITT COUNTY
KY 15



BREATHITT COUNTY KY 15 (INTERSECTION IMPROVEMENTS) AT KY 476 AND MARIE ROBERTS RD ITEM NO. 10-9020 GENERAL SUMMARY SHEET 1 OF 1			
ITEM NUMBER	ITEM	UNIT	QUANTITY
01450	S & F BOX INLET-OUTLET-18 IN	EACH	1
02381	REMOVE GUARDRAIL	LF	600
02545	CLEARING AND GRUBBING***	LS	1
2569	DEMOBILIZATION	LS	1
02650	MAINTAIN & CONTROL TRAFFIC	LS	1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2
02714	SHOULDERING****	LF	600
02726	STAKING	LS	1
4939	REMOVE POLE*	EACH	4
05950	EROSION CONTROL BLANKET****	SQYD	267
06406	SBM ALUM SHEET SIGNS .080 IN	SQFT	96
06410	STEEL POST TYPE 1	LF	148
06543	PAVE STRIPING-THERMO-6 IN Y	LF	2,300
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF	44
20418ED	REMOVE & RELOCATE SIGNS	EACH	6
21373ND	REMOVE SIGN	EACH	9
21415ND	EROSION CONTROL	LS	1
22664EN	WATER BLASTING EXISTING STRIPE	LF	2,300.0
24631EC	BARCODE SIGN INVENTORY	EACH	8
4740	POLE BASE	EACH	1
4844	CABLE-NO. 14/5C	LF	290
4886	MESSENGER-15400 LB	LF	160
4930	BEACON CONTROLLER-2 CIRCUIT	EACH	1
4932	INSTALL STEEL STRAIN POLE	EACH	2
24955ED	REMOVE SIGNAL EQUIPMENT	EACH	2
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD	18
20408ES835	INSTALL LED BEACON - 12 IN	EACH	16
22939ND	INSTALL LUMINAIRE POLE	EACH	1
24601EC	INSTALL - SOLAR POWERED BEACON CONTROLLER	EACH	1
* INCLUDES TWO (2) UTILITY POLES AND TWO (2) SIGNAL POLES			
***INCLUDES 1.05 ACRES OF TREE & BRUSH CLEARING & TRIMMING			
****TO BE USED ALONG KY 15 IN THE SOUTHBOUND DIRECTION AFTER EXISTING GUARDRAIL HAS BEEN REMOVED			

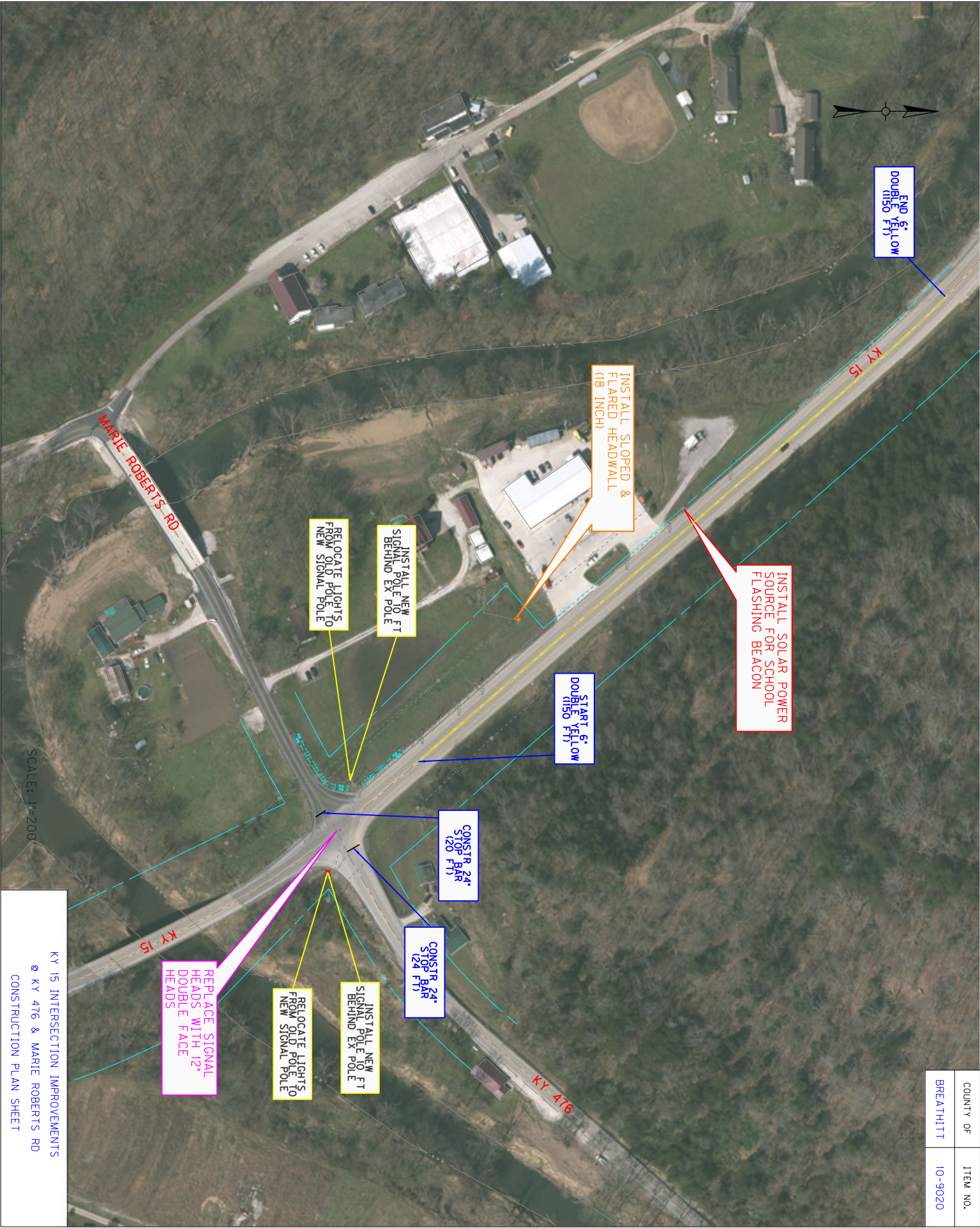




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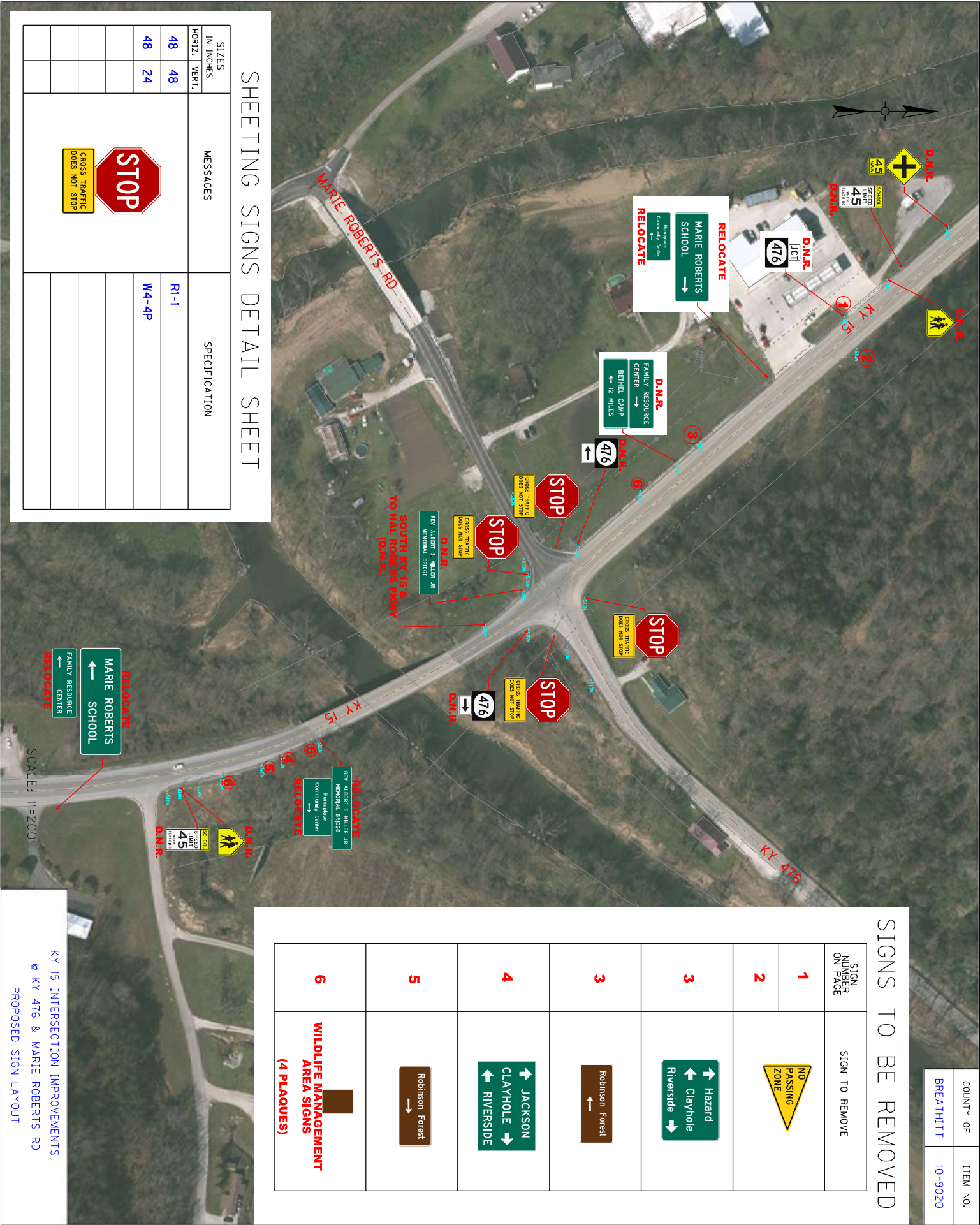
KY 15 INTERSECTION IMPROVEMENTS
• KY 476 & MARIE ROBERTS RD
DEMOLITION PLAN SHEET

COUNTY OF	ITEM NO.
BREATHITT	10-9020



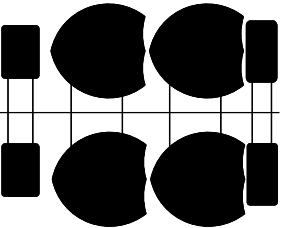
KY 15 INTERSECTION IMPROVEMENTS
© KY 476 & MARIE ROBERTS RD
CONSTRUCTION PLAN SHEET

COUNTY OF	ITEM NO.
BREATHITT	10-9020



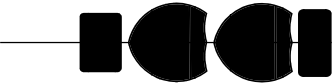
COUNTY OF	ITEM NO.
BREATHITT	10-9020

S3
S12



INSTALL ON TY D
SUPPORT. BRACING
EXAMPLE SHOWN.

S15
S16
S17



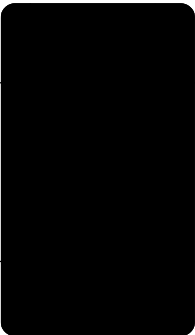
INSTALL ON TY D
SUPPORT USING 2-1/2"
POST WITH 2-1/4"
STIFFENER. BRACING
EXAMPLE SHOWN.

S6



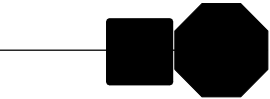
INSTALL ON 1 TYPE I
POSTS. BRACING
EXAMPLE SHOWN.

S9



INSTALL ON 2 TYPE I
POSTS. BRACING
EXAMPLE SHOWN.

S1



INSTALL ON TY D
SUPPORT USING 2-1/2"
POST WITH 2-1/4"
STIFFENER. BRACING
EXAMPLE SHOWN.

SIGNED/STAMPED

KY 15 INTERSECTION IMPROVEMENTS
KY 476 AND MARIE ROBERTS RD
SIGNING DETAIL SHEET

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

SCHOOL FLASHER BEACON	SOLAR BEACON	TOTAL	UNITS	CODE	ITEM DESCRIPTION
-	1	1	EACH	4740	POLE BASE
260	30	290	LIN FT	4844	CABLE-NO. 14/5C
160	-	160	LIN FT	4886	MESSANGER-15400 LB
1	-	1	EACH	4930	INSTALL BEACON CONTROLLER - 2 CIRCUIT
2	-	2	EACH	4932	INSTALL STEEL STRAIN POLE
1	1	2	EACH	24955ED	REMOVE SIGNAL EQUIPMENT
8, 90	-	17.80	CU YD	23167EN	TRAFFIC SIGNAL POLE BASE
16	-	16	EACH	20408ES835	INSTALL LED BEACON-12 IN
-	1	1	EACH	22939ND	INSTALL LUMINAIRE POLE
-	1	1	EACH	24601EC	INSTALL - SOLAR POWERED BEACON CONTROLLER

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT, SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPIRAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP MATERIALS FOR INSTALL ITEMS AT KYTC'S DIVISION OF EQUIPMENT WAREHOUSE (1239 WILKINSON BOULEVARD, FRANKFORT, KY 40622). THE FOLLOWING PROCEDURES SHALL BE FOLLOWED FOR MATERIAL RELEASE. FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE MATERIALS UPON ARRIVAL.

1. CONTRACTOR SHALL SECURE THE SIGNATURES OF KYTC'S PROJECT ENGINEER AND THE ELECTRICAL CONTRACTOR'S FOREMAN ON THE PROJECT MATERIALS RELEASE FORM. IF THE RELEASE FORM IS NOT IN THE PROPOSAL, CONTACT TED SWANSEGAR OR KERRY ROBERTS WITH THE DIVISION OF TRAFFIC OPERATIONS BY PHONE (502-782-5540/502-782-5536) OR EMAIL (TED.SWANSEGAR@KYTC.GOV/KERRY.ROBERTS@KYTC.GOV).
2. CONTRACTOR SHALL CONTACT THE WAREHOUSE TO PREARRANGE PICK UP OF MATERIALS. CONTRACTOR SHALL EMAIL THE PROJECT MATERIALS RELEASE FORM WITH REQUIRED SIGNATURES TO THE WAREHOUSE AT KIM.STAMPER@KYTC.GOV AND SHALL NOTIFY THE WAREHOUSE BY PHONE (502-782-8994/502-330-8153) OR EMAIL KIM.STAMPER@KYTC.GOV AT LEAST TWO (2) WORKING DAYS PRIOR TO ARRIVAL.
3. CONTRACTOR SHALL ALSO CONTACT THE SIGNAL SYSTEM BRANCH OF THE DIVISION OF TRAFFIC OPERATIONS BY PHONE (502-782-5543/502-782-5547) OR EMAIL (JOC.THOMPSON@KYTC.GOV/LARRY.IRISH@KYTC.GOV) AT LEAST TWO (2) WORKING DAYS PRIOR TO ARRIVAL TO FACILITATE PROGRAMMING OF ROUTERS.
4. CONTRACTOR SHALL ARRIVE AT THE KYTC'S DIVISION OF EQUIPMENT WAREHOUSE (1239 WILKINSON BOULEVARD, FRANKFORT, KY 40622) AT THE PREARRANGED DATE/TIME FOR MATERIAL PICK UP. TO FACILITATE THIS PROCESS, ENSURE CONTRACTOR'S DELIVERY DRIVER HAS A COPY OF THE PROJECT MATERIALS RELEASE FORM WITH THE REQUIRED SIGNATURES.

ADD SENTENCE TO SECTION 835.17: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES : "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502 564 0501".

UPDATED: 10-22-2021

COUNTY OF	ITEM NO.
BREATHITT	10-9020

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION:03.02 POLES AND BASES INSTALLATION. B)
REVISION:REPLACE ENTIRE TABLE WITH THE FOLLOWING:

MAXIMUM SERVICE FORCES	MAXIMUM SERVICE DIAMETER (IN.)	DEPTH (FEET)				VERTICAL BARS		TIES OR SPIRAL	
		SLOPE	SOIL	ROCK	SOIL	ROCK	SIZE	TOTAL	BAR SIZE OR PITCH (IN.)
0-9.9	36	6	6.5	6	6.5	6	13	8	#4
10-19.9	36	8	10	8	10.5	8	13	8	#4
20-29.9	36	10	12	10	12.5	10	13	8	#4
30-39.9	36	12	14	12	14.5	12	13	8	#4
40-49.9	36	14	16	14	16.5	14	13	8	#4
50-59.9	36	16	18	16	18.5	16	13	8	#4
60-69.9	36	18	20	18	20.5	18	13	8	#4
70-79.9	36	20	22	20	22.5	20	13	8	#4
80-89.9	36	22	24	22	24.5	22	13	8	#4
90-99.9	36	24	26	24	26.5	24	13	8	#4
100-149.9	36	26	28	26	28.5	26	13	8	#4
150-199.9	36	28	30	28	30.5	28	13	8	#4
200-249.9	36	30	32	30	32.5	30	13	8	#4
250-299.9	36	32	34	32	34.5	32	13	8	#4
300-399.9	36	34	36	34	36.5	34	13	8	#4
400-499.9	36	36	38	36	38.5	36	13	8	#4
500-600	48	48	48	48	48	48	13	8	#4

SUBSECTION: 04.22 REMOVE SIGNAL EQUIPMENT. (CONSTRUCTION ONLY)
REVISION: REPLACE THE PARAGRAPH WITH THE FOLLOWING:
THE DEPARTMENT WILL MEASURE THE QUANTITY BY EACH. THE DEPARTMENT WILL NOT MEASURE BACKFILLING AND THE DISPOSAL OR TRANSPORTATION OF EQUIPMENT AND MATERIALS ASSOCIATED WITH ANY STRUCTURAL OR ELECTRICAL COMPONENT OF THE SIGNAL SYSTEM INCLUDING, BUT NOT LIMITED TO POLE BASES, POLES, JUNCTION BOXES, CABINETS, AND WOOD POLES FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

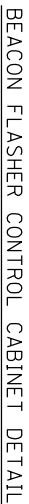
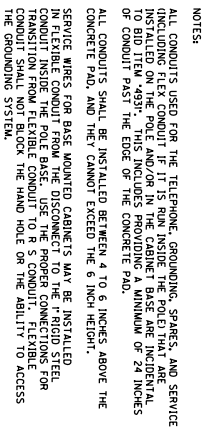
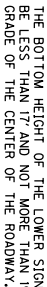
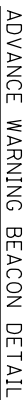
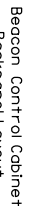
MEASUREMENT NOTES THAT ARE IN ADDITION TO SECTION 723

INSTALL LUMINAIRE POLE - DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT INSTALLED. THE DEPARTMENT WILL NOT MEASURE FURNISHING AND INSTALLING AN ALUMINUM CAP (WITH SET SCREWS) FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL NOT MEASURE THE INSTALLATION OF THE TRANSFORMER BASE, DOOR, AND ANCHOR BOLTS IN CONCRETE BASE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

INSTALL - SOLAR POWERED BEACON CONTROLLER - DEPARTMENT WILL MEASURE THE QUANTITY AS EACH INDIVIDUAL UNIT INSTALLED. THE DEPARTMENT WILL NOT MEASURE FURNISHING AND INSTALLING SOLAR BEACON CABINET, SOLAR PANEL, BEACONS, ANY ASSOCIATED MOUNTING HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK. THE DEPARTMENT WILL NOT MEASURE FURNISHING AND INSTALLING SCHOOL ZONE SIGN, SCHOOL HARDWARE ASSEMBLIES FOR SIGN/BEACONS, GROUNDING SYSTEM FOR THE SOLAR CABINET, AND ANY OTHER ASSOCIATED MOUNTING HARDWARE FOR PAYMENT AND WILL CONSIDER THEM INCIDENTAL TO THIS ITEM OF WORK.

SCALE: 1"=100'

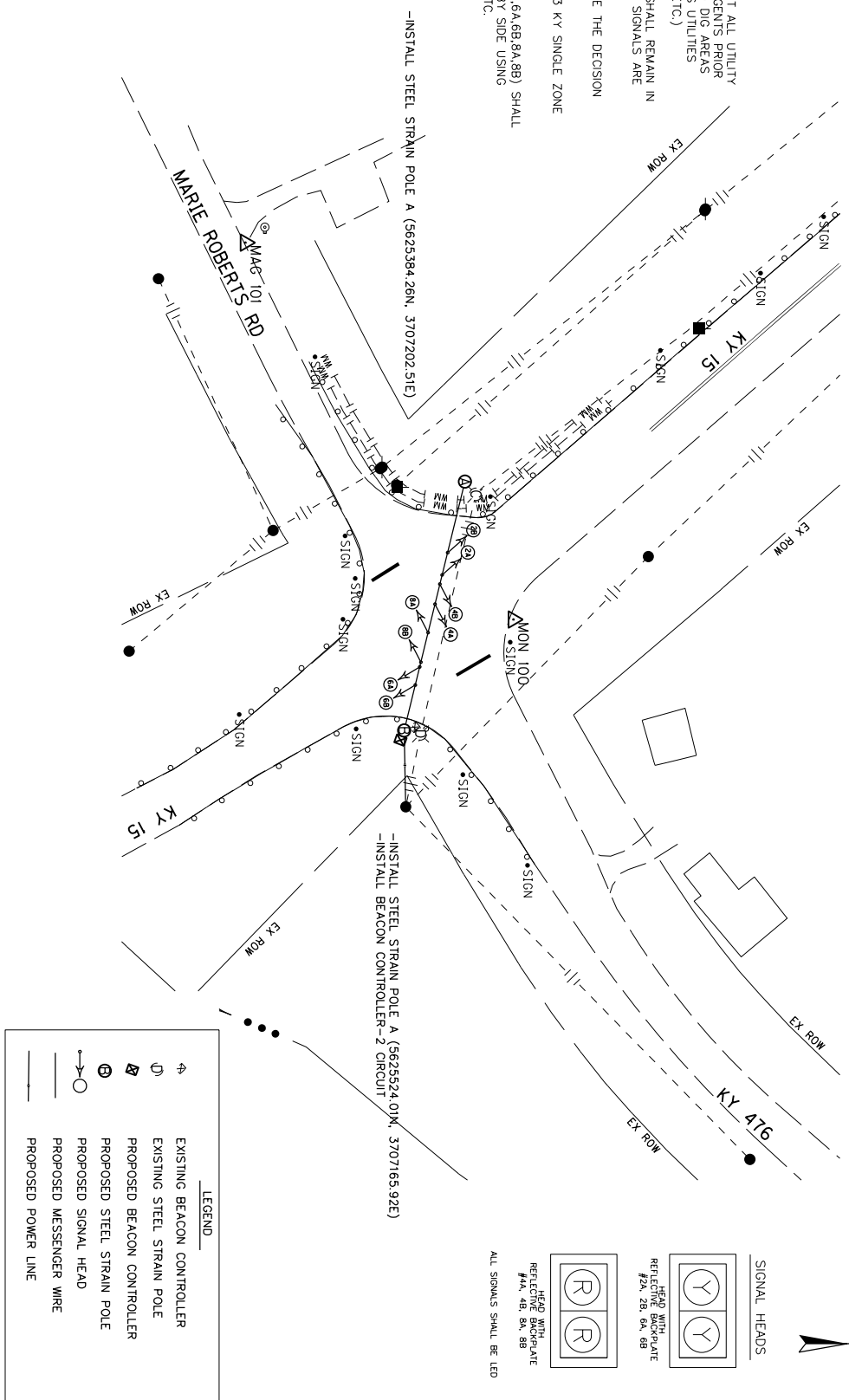
KY 15 INTERSECTION IMPROVEMENTS
© KY 476 & MARIE ROBERTS RD
SIGNAL QUANTITIES SHEET



BEACON DETAIL SHEET

TRAFFIC SIGNAL POLES				WIRING SCHEDULE			
POLE	HEIGHT	ALT. HT.	CALC. SERV. MOMENT	Cable	Origin	Ending	Connecting
A	36'	33.5'	234	1-#14/5C 1-#14/5C	CONTROLLER	SH #2B SH #4B	SH #2A, 2B, 6A, 6B SH #4A, 4B, 8A, 8B
B	32'	27.5'	192				

- NOTES:
1. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND DISTRICT UTILITY AGENTS PRIOR TO BEGINNING CONSTRUCTION. HAND DIG AREAS WHERE POLES OR CONDUIT CROSSES UTILITIES (TELEPHONE, GAS, WATER, SEWER, ETC.)
 2. THE EXISTING FLASHING SIGNAL SHALL REMAIN IN OPERATION UNTIL THE NEW TRAFFIC SIGNALS ARE INSTALLED AND IN OPERATION.
 3. FINAL POLE PLACEMENT SHALL BE THE DECISION OF THE RESIDENT ENGINEER.
 4. COORDINATES REFERENCE NAD 83 KY SINGLE ZONE COORDINATE SYSTEM.
 5. EACH SIGNAL HEAD (2A,2B,4A,4B,6A,6B,8A,8B) SHALL CONSIST OF 2-12" BEACONS SIDE BY SIDE USING A 2-WAY HANGER SUPPLIED BY KYTC.



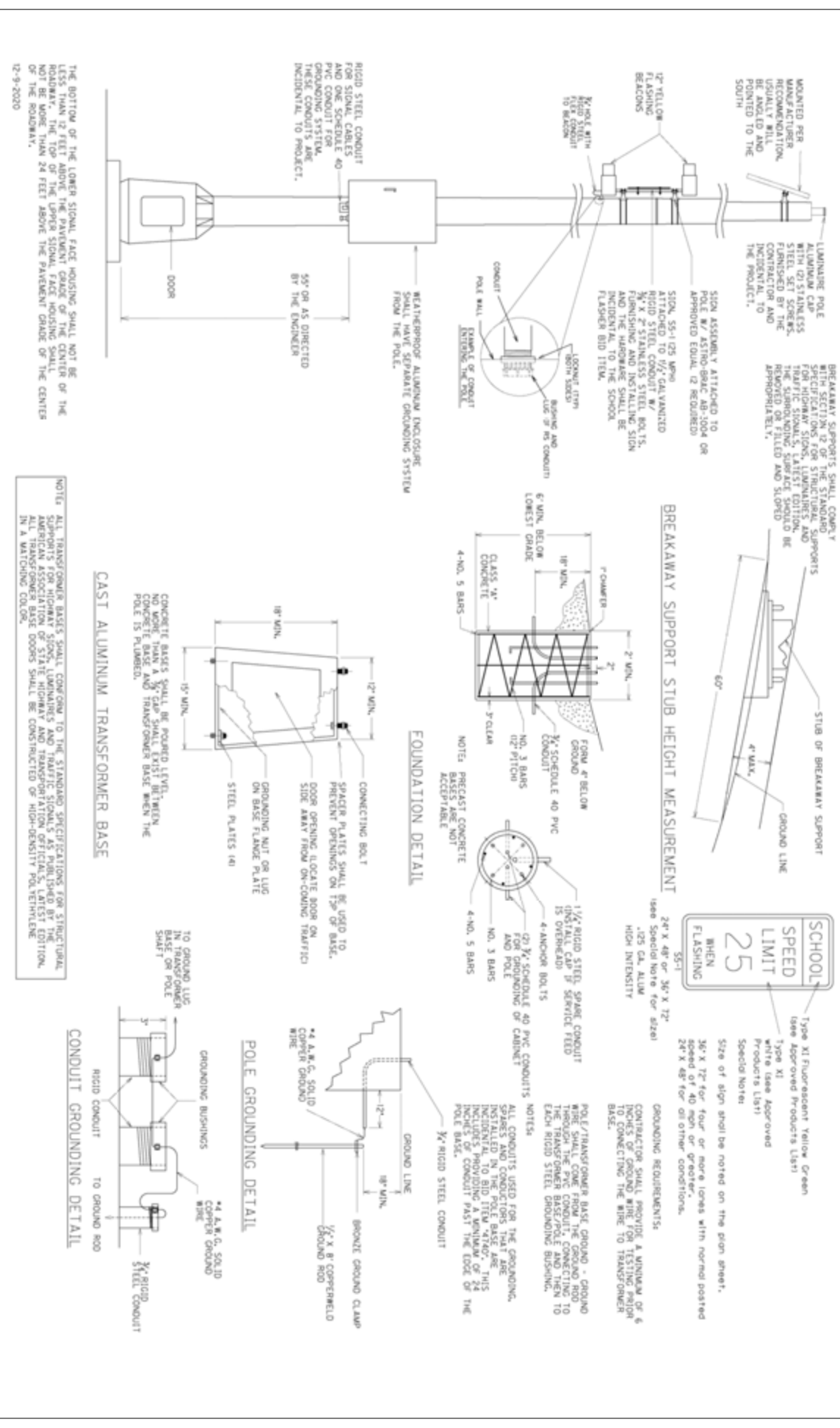
BEFORE YOU DIG

SCALE: 1"=100'

0 50' 100' 200'

KY 15 INTERSECTION IMPROVEMENTS
KY 476 & MARIE ROBERTS RD
SIGNAL PLAN SHEET

COUNTY OF	ITEM NO.
BREATHITT	10-9020



KY 15 INTERSECTION IMPROVEMENTS
© KY 476 & MARIE ROBERTS RD
SOLAR SCHOOL FLASHER
DETAIL

NOTES:

THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND DISTRICT UTILITY AGENTS PRIOR TO BEGINNING CONSTRUCTION. HAND DIG AREAS WHERE POLES OR CONDUIT CROSSES UTILITIES (TELEPHONE, GAS, WATER, SEWER, ETC.)

THE CONTRACTOR SHALL CONTACT DISTRICT TRAFFIC ENGINEER TO VERIFY POSTED SPEED LIMIT ON SCHOOL FLASHER SIGN

SIGN/BEACON ASSEMBLY SHALL BE INSTALLED ON POLE 17' FROM BOTTOM OF ASSEMBLY TO GRADE
SIGN ASSEMBLY SHALL BE INSTALLED TOWARD THE ROAD AND BE WITHIN A 20 DEGREE CONE OF THE VISION OF A LINE 40 FEET FROM THE POLE

WIRING SCHEDULE

Cable	Origin	Ending	Connecting
1-#14/5C	CONTROLLER 1	SH #1	SH #1 & 2

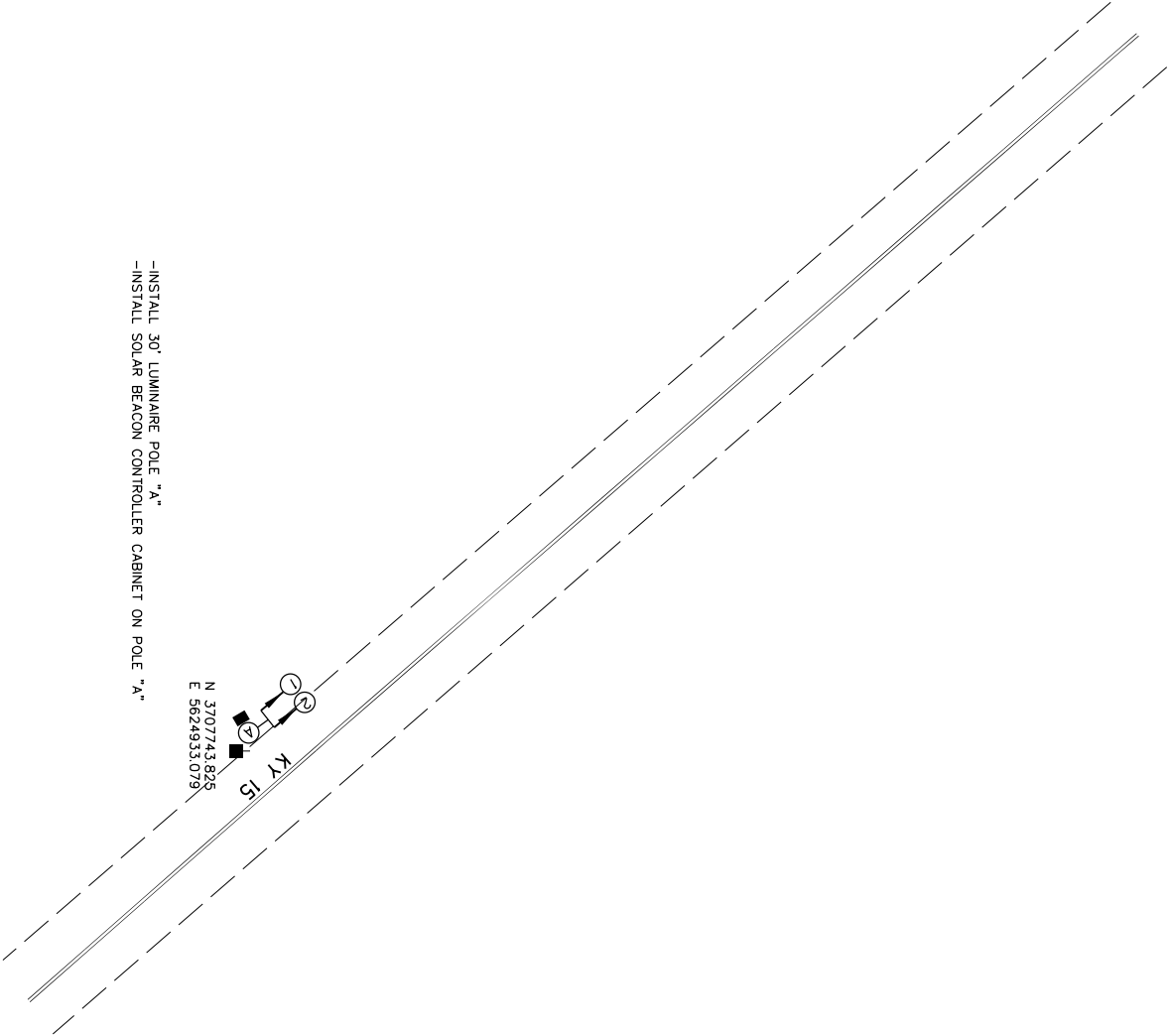
SIGNAL HEAD



HEAD #1, 2

LEGEND

- POLE MOUNTED SOLAR BEACON CONTROLLER
- Ⓐ 30' LUMINAIRE POLE
- ①② SCHOOL FLASHER



-INSTALL 30' LUMINAIRE POLE "A"
-INSTALL SOLAR BEACON CONTROLLER CABINET ON POLE "A"

COUNTY OF	ITEM NO.
BREATHITT	10-9020

KY 15 INTERSECTION IMPROVEMENTS
© KY 476 & MARIE ROBERTS RD
SCHOOL FLASHER PLAN SHEET

ITEMS FOR INSTALL

Item Number: 10-9020

County: BREATHITT

Description: KY 15 @ KY 476 & MARIE ROBERTS RD

Fund:

Department: 625

District: 10

County: 13

Function:

Activity: 4260

Object Code: E389

Program:

Project No.

Project Manager:

Office Charge No.

Author of List

Author Contact

CHRIS MISCHEL

Kerry needs to be notified of any Special Orders

Cabinets	Master code		Unit Cost	Cost
1		Beacon Controller - 2 Circuit	\$3,800.00	\$3,800.00
Total				\$3,800.00

Signals				
16	T-02-0001	1-section beacon backplate	\$49.00	\$784.00
16	T-02-0080	12 inch red/yellow beacon	\$146.77	\$2,348.32
8	T-02-0330	LED Module 12" red ball	\$21.24	\$169.94
8	T-02-0340	LED Module 12" yellow ball	\$21.29	\$170.32
8	T-02-0610	Hanger two-way	\$150.00	\$1,200.00
Total				\$4,672.58

Special Items				
1	T-06-0600	Transformer Base for Luminaire Pole w/o anchor bolts (See T-06-0601 for anchor bolts)	\$220.03	\$220.03
1	T-06-0601	Anchor Bolts for Luminaire Poles	\$43.66	\$43.66
1		Solar School Flasher System	\$2,275.00	\$2,275.00
Total				\$2,538.69

Poles				
1	T-04-0030	Steel Strain Pole 32 foot	\$3,168.35	\$3,168.35
1	T-04-0050	Lighting Pole 30' w/no arm mongoose luminaire	\$667.73	\$667.73
1	T-04-0051	Steel Strain Pole 36 foot	\$3,998.86	\$3,998.86
Total				\$7,834.94

Send copies to:
Ted.Swansegar@ky.gov
Grant.DeRossett@ky.gov
Adam.proctor@ky.gov
Jessica.goodwin@ky.gov
Charlie.weitzel@ky.gov
Shannon.riddle@ky.gov

1,6,8,12
2,3,7,9
4,5,10,11

Contractor Signature
that they have received all the items

updated 2/18/2021

FINAL TOTAL

\$18,846.21

PROJECT MATERIALS RELEASE FORM
FOR SIGNAL AND LIGHTING

Note: Email form with signatures to KYTC's warehouse (kim.stamper@ky.gov) at least two (2) days prior to arrival for pickup. Ensure Contractor's delivery driver has a copy of form with signatures. Failure to do either may result in long delays or refusal to distribute materials upon arrival.

Item Number: 10-9020
County: BREATHITT
Description: KY 15 @ KY 476 & MARIE ROBERTS RD

Signals	Master code
1	Beacon Controller - 2 Circuit

Signals	Master code
16	T-02-0001 1-section beacon backplate
16	T-02-0080 12 inch red/yellow beacon
8	T-02-0330 LED Module 12" red ball
8	T-02-0340 LED Module 12" yellow ball
8	T-02-0610 Hanger two-way

Special Items	Master code
1	T-06-0600 Transformer Base for Luminaire Pole w/o anchor bolts (See T-06-0601 for anchor bolts)
1	T-06-0601 Anchor Bolts for Luminaire Poles
1	Solar School Flasher System

Poles	Master code
1	T-04-0030 Steel Strain Pole 32 foot
1	T-04-0050 Lighting Pole 30' w/no arm mongoose luminaire
1	T-04-0051 Steel Strain Pole 36 foot

REQUIRED

Electrical Contractor Name
Electrical Contractor Supervisor
Project Engineer
Project Engineer attests that the mentioned contractor is the actual electrical contractor on this project
Signature of Project Engineer or Designee

Contact number for Supervisor
Contact number for Project Engineer



KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF RIGHT OF WAY & UTILITIES

TC 62-226
Rev. 01/2016
Page 1 of 1

RIGHT OF WAY CERTIFICATION

<input checked="" type="checkbox"/>	Original	<input type="checkbox"/>	Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #		COUNTY		PROJECT # (STATE)	PROJECT # (FEDERAL)
10-9020.00		Breathitt		FD04 013 0015 007-008	
PROJECT DESCRIPTION					
School safety project on KY 15 at entrance to Marie Roberts-Caney Elementary School					
<input checked="" type="checkbox"/>	No Additional Right of Way Required				
Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.					
<input type="checkbox"/>	Condition # 1 (Additional Right of Way Required and Cleared)				
All necessary right 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. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.					
<input type="checkbox"/>	Condition # 2 (Additional Right of Way Required with Exception)				
The right of way has 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. 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. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract					
<input type="checkbox"/>	Condition # 3 (Additional Right of Way Required with Exception)				
The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation 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.					
Total Number of Parcels on Project				EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
Number of Parcels That Have Been Acquired					
Signed Deed					
Condemnation					
Signed ROE					
Notes/ Comments (Text is limited. Use additional sheet if necessary.)					
LPA RW Project Manager				Right of Way Supervisor	
Printed Name				Printed Name	Edgar Raleigh II
Signature				Signature	
Date				Date	
Right of Way Director				FHWA	
Printed Name				Printed Name	
Signature				Signature	
Date				Date	

UTILITIES AND RAIL CERTIFICATION NOTE

Breathitt County
No federal number available
FD04 013 0015 007-008
Mile point: 7.700 TO 7.800
UPDATING TRAFFIC SIGNS, REPLACING GUARDRAIL, AND UPGRADING ADVANCED WARNING
BEACONS ON KY 15. AT MARIE ROBERTS- CANEY ELE. SCHOOL (2020BOP) (2021SCHSAF)
ITEM NUMBER: 10-9020.00

PROJECT NOTES ON UTILITIES

Utility coordination efforts determined that no significant utility relocation work is required to complete the project. Any work pertaining to these utility facilities is defined in the bid package and is to be carried out as instructed by the Kentucky Transportation Cabinet. The contractor will be responsible for any coordination or adjustments that are discussed or quantified in the proposal.

NOTE: DO NOT DISTURB THE FOLLOWING FACILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

- Thacker-Grigsby Telephone Company, Inc. - Telephone
- Breathitt County Water District - Water
- American Electric Power - Electric
- AT&T - KY - Telephone
- Crystal Broadband Networks - CATV

The Contractor is fully responsible for protection of all utilities listed above

THE FOLLOWING FACILITY OWNERS ARE RELOCATING/ADJUSTING THEIR FACILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

Not Applicable

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Breathitt County No federal number available FD04 013 0015 007-008 Mile point: 7.700 TO 7.800 UPDATING TRAFFIC SIGNS, REPLACING GUARDRAIL, AND UPGRADING ADVANCED WARNING BEACONS ON KY 15. AT MARIE ROBERTS- CANEY ELE. SCHOOL (2020BOP) (2021SCHSAF) ITEM NUMBER: 10-9020.00</p>

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE OWNER OR THEIR SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

Not Applicable

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD CONTRACTOR AS INCLUDED IN THIS CONTRACT

Not Applicable

RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involvement ☐ Rail Involved ☐ Rail Adjacent

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Breathitt County No federal number available FD04 013 0015 007-008 Mile point: 7.700 TO 7.800 UPDATING TRAFFIC SIGNS, REPLACING GUARDRAIL, AND UPGRADING ADVANCED WARNING BEACONS ON KY 15. AT MARIE ROBERTS- CANEY ELE. SCHOOL (2020BOP) (2021SCHSAF) ITEM NUMBER: 10-9020.00</p>
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UTILITIES AND RAIL CERTIFICATION NOTE

Breathitt County
No federal number available
FD04 013 0015 007-008
Mile point: 7.700 TO 7.800
UPDATING TRAFFIC SIGNS, REPLACING GUARDRAIL, AND UPGRADING ADVANCED WARNING
BEACONS ON KY 15. AT MARIE ROBERTS- CANEY ELE. SCHOOL (2020BOP) (2021SCHSAF)
ITEM NUMBER: 10-9020.00

AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
American Electric Power - Electric	12333 Kevin Avenue Ashland KY 41102	Ellis McKnight	6064361329	ermcknight@aep.com
AT&T - KY - Telephone	102 Walters Rd Pikeville KY 41501	Jack Salyer	6064249328	js2299@att.com
Breathitt County Water District - Water	1137 Main Street, Suite 305 Jackson KY 41339	Estill McIntosh	6065685188	breathittwater@yahoo.com
Crystal Broadband Networks - CATV	PO Box 580 Clay City, KY 40312 Clay City KY 40312	Jonathan Kurien	6066633439	jonathank@crystalbn.com
Thacker-Grigsby Telephone Company, Inc. - Telephone	PO Box 789 Hindman KY 41822	Freddie Williams	6067859500	f.williams@tgtel.com

KyTC BMP Plan for Project PCN ## - #####



Kentucky Transportation Cabinet

Highway District 10

And

_____ **(2), Construction**

Kentucky Pollutant Discharge Elimination System

Permit KYR10

Best Management Practices (BMP) plan

Groundwater protection plan

For Highway Construction Activities

For KYTC SYP #10-9020.00

**[Intersection Improvement KY 15/KY 476 Breathitt
County]**

Project: PCN ## - #####

KyTC BMP Plan for Project PCN ## -

Project information

Note – (1) = Design (2) = Construction (3) = Contractor

1. Owner – Kentucky Transportation Cabinet, District _10_
2. Resident Engineer: (2)
3. Contractor name: (2)
Address: (2)

Phone number: (2)
Contact: (2)
Contractors agent responsible for compliance with the KPDES permit requirements (3):
4. Project Control Number (2)
5. Route (Address) Intersection of KY 15/KY 476 in Breathitt County. (1)
6. Latitude/Longitude (project mid-point) 37.479108, -83.322894 (1)
7. County (project mid-point) Breathitt County. (1)
8. Project start date (date work will begin): (2)
9. Projected completion date: (2)

A. Site description:

1. Nature of Construction Activity (from letting project description)
Tree trimming/removal, restriping, removal of guardrail and relocating signal poles. (1)
2. Order of major soil disturbing activities (2) and (3)
3. Projected volume of material to be moved
N/A (1)

KyTC BMP Plan for Project PCN ## -

4. Estimate of total project area (acres) 1.05 acre (1)
5. Estimate of area to be disturbed (acres) 1.05 acre (1)
6. Post construction runoff coefficient will be included in the project drainage folder. Persons needing information pertaining to the runoff coefficient will contact the resident engineer to request this information.
7. Data describing existing soil condition (2)
8. Data describing existing discharge water quality (if any) (1) & (2)
Muddy due to failing roadway embankment slope.
9. Receiving water name Troublesome Creek
10. TMDLs and Pollutants of Concern in Receiving Waters: (1 DEA)
11. Site map – Project layout sheet plus the erosion control sheets in the project plans that depict Disturbed Drainage Areas (DDAs) and related information. These sheets depict the existing project conditions with areas delineated by DDA (drainage area bounded by watershed breaks and right of way limits), the storm water discharge locations (either as a point discharge or as overland flow) and the areas that drain to each discharge point. These plans define the limits of areas to be disturbed and the location of control measures. Controls will be either site specific as designated by the designer or will be annotated by the contractor and resident engineer before disturbance commences. The project layout sheet shows the surface waters and wetlands.
12. Potential sources of pollutants:

The primary source of pollutants is solids that are mobilized during storm events. Other sources of pollutants include oil/fuel/grease from servicing and operating construction equipment, concrete washout water, sanitary wastes and trash/debris. (3)

B. Sediment and Erosion Control Measures:

1. Plans for highway construction projects will include erosion control sheets that depict Disturbed Drainage Areas (DDAs) and related information. These plan sheets will show the existing project conditions with areas delineated by DDA within the right of way limits, the discharge points and the areas that drain to each discharge point. Project managers and

KyTC BMP Plan for Project PCN ## -

designers will analyze the DDAs and identify Best Management Practices (BMPs) that are site specific. The balance of the BMPs for the project will be listed in the bid documents for selection and use by the contractor on the project with approval by the resident engineer.

Projects that do not have DDAs annotated on the erosion control sheets will employ the same concepts for development and managing BMP plans.

2. Following award of the contract, the contractor and resident engineer will annotate the erosion control sheets showing location and type of BMPs for each of the DDAs that will be disturbed at the outset of the project. This annotation will be accompanied by an order of work that reflects the order or sequence of major soil moving activities. The remaining DDAs are to be designated as "Do Not Disturb" until the contractor and resident engineer prepare the plan for BMPs to be employed. The initial BMP's shall be for the first phase (generally Clearing and Grubbing) and shall be modified as needed as the project changes phases. The BMP Plan will be modified to reflect disturbance in additional DDA's as the work progresses. All DDA's will have adequate BMP's in place before being disturbed.
3. As DDAs are prepared for construction, the following will be addressed for the project as a whole or for each DDA as appropriate:
 - Construction Access – This is the first land-disturbing activity. As soon as construction begins, bare areas will be stabilized with gravel and temporary mulch and/or vegetation.
 - At the beginning of the project, all DDAs for the project will be inspected for areas that are a source of storm water pollutants. Areas that are a source of pollutants will receive appropriate cover or BMPs to arrest the introduction of pollutants into storm water. Areas that have not been opened by the contractor will be inspected periodically (once per month) to determine if there is a need to employ BMPs to keep pollutants from entering storm water.
 - Clearing and Grubbing – The following BMP's will be considered and used where appropriate.
 - Leaving areas undisturbed when possible.
 - Silt basins to provide silt volume for large areas.
 - Silt Traps Type A for small areas.
 - Silt Traps Type C in front of existing and drop inlets which are to be saved

KyTC BMP Plan for Project PCN ## -

- Diversion ditches to catch sheet runoff and carry it to basins or traps or to divert it around areas to be disturbed.
- Brush and/or other barriers to slow and/or divert runoff.
- Silt fences to catch sheet runoff on short slopes. For longer slopes, multiple rows of silt fence may be considered.
- Temporary Mulch for areas which are not feasible for the fore mentioned types of protections.
- Non-standard or innovative methods.
- Cut & Fill and placement of drainage structures - The BMP Plan will be modified to show additional BMP's such as:
 - Silt Traps Type B in ditches and/or drainways as they are completed
 - Silt Traps Type C in front of pipes after they are placed
 - Channel Lining
 - Erosion Control Blanket
 - Temporary mulch and/or seeding for areas where construction activities will be ceased for 21 days or more.
 - Non-standard or innovative methods
- Profile and X-Section in place – The BMP Plan will be modified to show elimination of BMP's which had to be removed and the addition of new BMP's as the roadway was shaped. Probably changes include:
 - Silt Trap Type A, Brush and/or other barriers, Temporary Mulch, and any other BMP which had to be removed for final grading to take place.
 - Additional Silt Traps Type B and Type C to be placed as final drainage patterns are put in place.
 - Additional Channel Lining and/or Erosion Control Blanket.
 - Temporary Mulch for areas where Permanent Seeding and Protection cannot be done within 21 days.
 - Special BMP's such as Karst Policy
- Finish Work (Paving, Seeding, Protect, etc.) – A final BMP Plan will result from modifications during this phase of construction. Probably changes include:
 - Removal of Silt Traps Type B from ditches and drainways if they are protected with other BMP's which are sufficient to control erosion, i.e. Erosion Control Blanket or Permanent Seeding and Protection on moderate grades.
 - Permanent Seeding and Protection
 - Placing Sod
 - Planting trees and/or shrubs where they are included in the project
- BMP's including Storm Water Management Devices such as velocity dissipation devices and Karst policy BMP's to be installed during construction to control the pollutants in storm water

KyTC BMP Plan for Project PCN ## -

discharges that will occur after construction has been completed
are : (1)

C. Other Control Measures

1. No solid materials, including building materials, shall be discharged to waters of the commonwealth, except as authorized by a Section 404 permit.

All waste materials that may leach pollutants (paint and paint containers, caulk tubes, oil/grease containers, liquids of any kind, soluble materials, etc.) will be collected and stored in appropriate covered waste containers. Waste containers shall be removed from the project site on a sufficiently frequent basis as to not allow wastes to become a source of pollution. All personnel will be instructed regarding the correct procedure for waste disposal. Wastes will be disposed in accordance with appropriate regulations. Notices stating these practices will be posted in the office.

2. Hazardous Waste

All hazardous waste materials will be managed and disposed of in the manner specified by local or state regulation. The contractor shall notify the Resident Engineer if there any hazardous wastes being generated at the project site and how these wastes are being managed. Site personnel will be instructed with regard to proper storage and handling of hazardous wastes when required. The Transportation Cabinet will file for generator, registration when appropriate, with the Division of Waste Management and advise the contractor regarding waste management requirements.

3. Spill Prevention

The following material management practices will be used to reduce the risk of spills or other exposure of materials and substances to the weather and/or runoff.

➤ **Good Housekeeping:**

The following good housekeeping practices will be followed onsite during the construction project.

- An effort will be made to store only enough product required to do the job
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure

KyTC BMP Plan for Project PCN ## -

- Products will be kept in their original containers with the original manufacturer's label
- Substances will not be mixed with one another unless recommended by the manufacturer
- Whenever possible, all of the product will be used up before disposing of the container
- Manufacturers' recommendations for proper use and disposal will be followed
- The site contractor will inspect daily to ensure proper use and disposal of materials onsite

➤ **Hazardous Products:**

These practices will be used to reduce the risks associated with any and all hazardous materials.

- Products will be kept in original containers unless they are not resealable
- Original labels and material safety data sheets (MSDS) will be reviewed and retained
- Contractor will follow procedures recommended by the manufacturer when handling hazardous materials
- If surplus product must be disposed of, manufacturers' or state/local recommended methods for proper disposal will be followed

The following product-specific practices will be followed onsite:

➤ **Petroleum Products:**

Vehicles and equipment that are fueled and maintained on site will be monitored for leaks, and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products onsite will be stored in tightly sealed containers, which are clearly labeled and will be protected from exposure to weather.

The contractor shall prepare an Oil Pollution Spill Prevention Control and Countermeasure plan when the project that involves the storage of petroleum products in 55 gallon or larger containers with a total combined storage capacity of 1,320 gallons. This is a requirement of 40 CFR 112.

This project (will / will not) (3) have over 1,320 gallons of petroleum products with a total capacity, sum of all containers 55 gallon capacity and larger.

➤ **Fertilizers:**

Fertilizers will be applied at rates prescribed by the contract, standard specifications or as directed by the resident engineer. Once applied, fertilizer will

KyTC BMP Plan for Project PCN ## -

be covered with mulch or blankets or worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

➤ **Paints:**

All containers will be tightly sealed and stored indoors or under roof when not being used. Excess paint or paint wash water will not be discharged to the drainage or storm sewer system but will be properly disposed of according to manufacturers' instructions or state and local regulations.

➤ **Concrete Truck Washout:**

Concrete truck mixers and chutes will not be washed on pavement, near storm drain inlets, or within 75 feet of any ditch, stream, wetland, lake, or sinkhole. Where possible, excess concrete and wash water will be discharged to areas prepared for pouring new concrete, flat areas to be paved that are away from ditches or drainage system features, or other locations that will not drain off site. Where this approach is not possible, a shallow earthen wash basin will be excavated away from ditches to receive the wash water

➤ **Spill Control Practices**

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

- Manufacturers' recommended methods for spill cleanup will be clearly posted. All personnel will be made aware of procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area. Equipment and materials will include as appropriate, brooms, dust pans, mops, rags, gloves, oil absorbents, sand, sawdust, and plastic and metal trash containers.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate state/local agency as required by KRS 224 and applicable federal law.
- The spill prevention plan will be adjusted as needed to prevent spills from reoccurring and improve spill response and cleanup.
- Spills of products will be cleaned up promptly. Wastes from spill clean up will be disposed in accordance with appropriate regulations.

KyTC BMP Plan for Project PCN ## -

D. Other State and Local Plans

This BMP plan shall include any requirements specified in sediment and erosion control plans, storm water management plans or permits that have been approved by other state or local officials. Upon submittal of the NOI, other requirements for surface water protection are incorporated by reference into and are enforceable under this permit (even if they are not specifically included in this BMP plan). This provision does not apply to master or comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit issued for the construction site by state or local officials. (1)

E. Maintenance

1. The BMP plan shall include a clear description of the maintenance procedures necessary to keep the control measures in good and effective operating condition.
- Maintenance of BMPs during construction shall be a result of weekly and post rain event inspections with action being taken by the contractor to correct deficiencies.
 - Post Construction maintenance will be a function of normal highway maintenance operations. Following final project acceptance by the cabinet, district highway crews will be responsible for identification and correction of deficiencies regarding ground cover and cleaning of storm water BMPs. The project manager shall identify any BMPs that will be for the purpose of post construction storm water management with specific guidance for any non-routine maintenance. (1)

F. Inspections

Inspection and maintenance practices that will be used to maintain erosion and sediment controls:

- All erosion prevention and sediment control measures will be inspected at least once each week and following any rain of one-half inch or more.
- Inspections will be conducted by individuals that have successfully completed the KEPSC-RI course as required by Section 213.02.02 of the Standard Specifications for Road and Bridge Construction, current edition.

KyTC BMP Plan for Project PCN ## -

- Inspection reports will be written, signed, dated, and kept on file.
- Areas at final grade will be seeded and mulched within 14 days.
- Areas that are not at final grade where construction has ceased for a period of 21 days or longer and soil stock piles shall receive temporary mulch no later than 14 days from the last construction activity in that area.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of being reported.
- Built-up sediment will be removed from behind the silt fence before it has reached halfway up the height of the fence.
- Silt fences will be inspected for bypassing, overtopping, undercutting, depth of sediment, tears, and to ensure attachment to secure posts.
- Sediment basins will be inspected for depth of sediment, and built-up sediment will be removed when it reaches 70 percent of the design capacity and at the end of the job.
- Diversion dikes and berms will be inspected and any breaches promptly repaired. Areas that are eroding or scouring will be repaired and re-seeded / mulched as needed.
- Temporary and permanent seeding and mulching will be inspected for bare spots, washouts, and healthy growth. Bare or eroded areas will be repaired as needed.
- All material storage and equipment servicing areas that involve the management of bulk liquids, fuels, and bulk solids will be inspected weekly for conditions that represent a release or possible release of pollutants to the environment.

G. Non – Storm Water discharges

It is expected that non-storm water discharges may occur from the site during the construction period. Examples of non-storm water discharges include:

- Water from water line flushings.
- Water from cleaning concrete trucks and equipment.
- Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred).
- Uncontaminated groundwater and rain water (from dewatering during excavation).

All non-storm water discharges will be directed to the sediment basin or to a filter fence enclosure in a flat vegetated infiltration area or be filtered via another approved commercial product.

KyTC BMP Plan for Project PCN ## - #####

H. Groundwater Protection Plan (3)

This plan serves as the groundwater protection plan as required by 401 KAR 5:037.

➤ Contractors statement: (3)

The following activities, as enumerated by 401 KAR 5:037 Section 2 that require the preparation and implementation of a groundwater protection plan, will or may be may be conducted as part of this construction project:

_____ 2. (e) land treatment or land disposal of a pollutant;

_____ 2. (f) Storing, ..., or related handling of hazardous waste, solid waste or special waste, ..., in tanks, drums, or other containers, or in piles, (This does not include wastes managed in a container placed for collection and removal of municipal solid waste for disposal off site);

_____ 2. (g) Handling of materials in bulk quantities (equal or greater than 55 gallons or 100 pounds net dry weight transported held in an individual container) that, if released to the environment, would be a pollutant;

_____ 2. (j) Storing or related handling of road oils, dust suppressants,, at a central location;

_____ 2. (k) Application or related handling of road oils, dust suppressants or deicing materials, (does not include use of chloride-based deicing materials applied to roads or parking lots);

_____ 2. (m) Installation, construction, operation, or abandonment of wells, bore holes, or core holes, (this does not include bore holes for the purpose of explosive demolition);

Or, check the following only if there are no qualifying activities

_____ There are no activities for this project as listed in 401 KAR 5:037 Section 2 that require the preparation and implementation of a groundwater protection plan.

The contractor is responsible for the preparation of a plan that addresses the

401 KAR 5:037 Section 3. (3) Elements of site specific groundwater protection plan:

(a) General information about this project is covered in the Project information;

KyTC BMP Plan for Project PCN ## -

- (b) Activities that require a groundwater protection plan have been identified above;
- (c) Practices that will protect groundwater from pollution are addressed in section C. Other control measures.
- (d) Implementation schedule – all practices required to prevent pollution of groundwater are to be in place prior to conducting the activity;
- (e) Training is required as a part of the ground water protection plan. All employees of the contractor, sub-contractor and resident engineer personnel will be trained to understand the nature and requirements of this plan as they pertain to their job function(s). Training will be accomplished within one week of employment and annually thereafter. A record of training will be maintained by the contractor with a copy provide to the resident engineer.
- (f) Areas of the project and groundwater plan activities will be inspected as part of the weekly sediment and erosion control inspections
- (g) Certification (see signature page.)

KyTC BMP Plan for Project PCN ## - #####

Contractor and Resident Engineer Plan certification

The contractor that is responsible for implementing this BMP plan is identified in the Project Information section of this plan.

The following certification applies to all parties that are signatory to this BMP plan:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Further, this plan complies with the requirements of 401 KAR 5:037. By this certification, the undersigned state that the individuals signing the plan have reviewed the terms of the plan and will implement its provisions as they pertain to ground water protection.

Resident Engineer and Contractor Certification:

(2) Resident Engineer signature

Signed _____ title _____, _____
Typed or printed name² signature

(3) Signed _____ title _____, _____
Typed or printed name¹ signature

1. Contractors Note: to be signed by a person who is the owner, a responsible corporate officer, a general partner or the proprietor or a person designated to have the authority to sign reports by such a person in accordance with 401 KAR 5:060 Section 9. This delegation shall be in writing to: Manager, KPDES Branch, Division of Water, 14 Reilly Road, Frankfort Kentucky 40601. Reference the Project Control Number (PCN) and KPDES number when one has been issued.
2. KyTC note: to be signed by the Chief District Engineer or a person designated to have the authority to sign reports by such a person (usually the resident engineer) in accordance with 401 KAR 5:060 Section 9. This delegation shall be in writing to: Manager, KPDES Branch, Division of Water, 14 Reilly Road, Frankfort Kentucky 40601 Reference the Project Control Number (PCN) and KPDES number when one has been issued.

Sub-Contractor Certification

KPDES BMP Plan Page 14 of 14

SPECIAL NOTE

Filing of eNOI for KPDES Construction Stormwater Permit

**County: Breathitt
Item No.: 10-9020.00**

**Route: KY 15
KDOW Submittal ID:
227947**

Project Description: Intersection Improvement KY 11/KY 476 in Breathitt County.

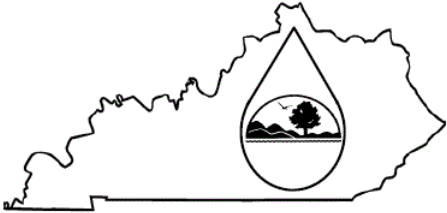
A Notice of Intent for obtaining coverage under the Kentucky Pollutant Discharge Elimination System (KPDES) General Permit for Stormwater Discharges Associated with Construction Activities (KYR10) has been drafted, copy of which is attached. Upon award, the Contractor will be identified in Section III of the form as the “Building Contractor” and it will be submitted for approval to the Kentucky Division of Water. The Contractor shall be responsible for advancing the work in a manner that is compliant with all applicable and appropriate KYTC specifications for sediment and erosion control as well as meeting the requirements of the KYR10 permit and the KDOW.

Upon award of the project, the appropriate District Project Delivery & Preservation Branch is Responsible for providing the eNOI preparer (Min Jiang) with the Contractor’s name, address and CID #. The project eNOI preparer is responsible for completing and submitting the eNOI document.

The eNOI preparer will notify the appropriate Project Delivery & Preservation Branch when the NOI is approved. The approved NOI will be placed in Site Manager. This will need to be accomplished prior to any on-site work.

This note confirms with the Joint Design (05-2017)/Construction (02-2017) Memorandum issued on March 28, 2017.

If there are any questions regarding this note, please contact Danny Peake, Director, Division of Environmental Analysis, TCOB, 200 Mero Street, Frankfort, KY 40622, Phone: (502) 564-7250.

	KENTUCKY POLLUTION DISCHARGE ELIMINATION SYSTEM (KPDES) Notice of Intent (NOI) for coverage of Storm Water Discharge Associated with Construction Activities Under the KPDES Storm Water General Permit KYR100000 Click here for Instructions (Controls/KPDES_FormKYR10_Instructions.htm) Click here to obtain information and a copy of the KPDES General Permit. (http://dep.ky.gov/formslibrary/Documents/KYR10PermitPage.pdf) (* indicates a required field; (✓) indicates a field may be required based on user input or is an optionally required field
---	---

Reason for Submittal: (*) Application for New Permit Coverage ✓	Agency Interest ID: Agency Interest ID	Permit Number: (✓) KPDES Permit Number	
If change to existing permit coverage is requested, describe the changes for which modification of coverage is being sought: (✓) <input type="text"/>			
ELIGIBILITY: Stormwater discharges associated with construction activities disturbing individually one (1) acre or more, including, in the case of a common plan of development, contiguous construction activities that cumulatively equal one (1) acre or more of disturbance.			
EXCLUSIONS: The following are excluded from coverage under this general permit: 1) Are conducted at or on properties that have obtained an individual KPDES permit for the discharge of other wastewaters which requires the development and implementation of a Best Management Practices (BMP) plan; 2) Any operation that the DOW determines an individual permit would better address the discharges from that operation; 3) Any project that discharges to an Impaired Water listed in the most recent Integrated Report, §305(b) as impaired for sediment and for which an approved TMDL has been developed.			
SECTION I -- FACILITY OPERATOR INFORMATION (PERMITTEE)			
Company Name: (✓) Kentucky Transportation Cabinet	First Name: (✓) Corbett	M.I.: MI	Last Name: (✓) Caudill
Mailing Address: (*) 473 Highway 15 South	City: (*) Jackson	State: (*) Kentucky ✓	Zip: (*) 41339
eMail Address: (*) Corbett.Caudill@ky.gov	Business Phone: (*) 606-666-8841	Alternate Phone: Phone	
SECTION II -- GENERAL SITE LOCATION INFORMATION			
Project Name: (*) Intersection improvement @ KY 15/KY 476 in Breathitt County	Status of Owner/Operator (*) State Government ✓	SIC Code (*) 1611 Highway and Street I ✓	
Company Name: (✓) Kentucky Transportation Cabinet	First Name: (✓) Corbett	M.I.: MI	Last Name: (✓) Caudill
Site Physical Address: (*) Intersection of KY 15/KY 476 in Breathitt County			
City: (*) Jackson	State: (*) Kentucky ✓	Zip: (*) 41339	
County: (*) Breathitt ✓	Latitude(decimal degrees)(*)DMS to DD Converter (https://www.fcc.gov/media/radio/dms-decimal) 37.479108	Longitude(decimal degrees)(*) -83.322894	
SECTION III -- SPECIFIC SITE ACTIVITY INFORMATION ?			
Project Description: (*) Intersection improvement @ KY 15/KY 476 in Breathitt County			
a. For single projects provide the following information			
Total Number of Acres in Project: (✓)		Total Number of Acres Disturbed: (✓)	

1.05	1.05																								
Anticipated Start Date:(√) <div style="border: 1px solid black; padding: 2px;">10/1/2021</div>	Anticipated Completion Date:(√) <div style="border: 1px solid black; padding: 2px;">11/30/2021</div>																								
b. For common plans of development provide the following information																									
Total Number of Acres in Project:(√) <div style="border: 1px solid black; padding: 2px;"># Acre(s)</div>	Total Number of Acres Disturbed:(√) <div style="border: 1px solid black; padding: 2px;"># Acre(s)</div>																								
Number of individual lots in development, if applicable:(√) <div style="border: 1px solid black; padding: 2px;"># lot(s)</div>	Number of lots in development:(√) <div style="border: 1px solid black; padding: 2px;"># lot(s)</div>																								
Total acreage of lots intended to be developed:(√) <div style="border: 1px solid black; padding: 2px;">Project Acres</div>	Number of acres intended to be disturbed at any one time:(√) <div style="border: 1px solid black; padding: 2px;">Disturbed Acres</div>																								
Anticipated Start Date:(√) <div style="border: 1px solid black; height: 20px;"></div>	Anticipated Completion Date:(√) <div style="border: 1px solid black; height: 20px;"></div>																								
List Building Contractor(s) at the time of Application:(*)																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;"></th> <th style="width:60%;">Company Name</th> <th style="width:10%;"></th> <th style="width:10%;"></th> <th style="width:15%;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">+</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="height: 100px;"></td> </tr> </tbody> </table>			Company Name				+																		
	Company Name																								
+																									
SECTION IV -- IF THE PERMITTED SITE DISCHARGES TO A WATER BODY THE FOLLOWING INFORMATION IS REQUIRED ?																									
Discharge Point(s):																									
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;"></th> <th style="width:20%;">Unnamed Tributary?</th> <th style="width:15%;">Latitude</th> <th style="width:15%;">Longitude</th> <th style="width:30%;">Receiving Water Name</th> <th style="width:15%;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td>No</td> <td>37.479933</td> <td>-83.324028</td> <td>Troublesome Creek</td> <td style="text-align: center;">Delete</td> </tr> <tr> <td style="text-align: center;">2</td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: center;">Delete</td> </tr> <tr> <td style="text-align: center;">+</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>			Unnamed Tributary?	Latitude	Longitude	Receiving Water Name		1	No	37.479933	-83.324028	Troublesome Creek	Delete	2					Delete	+					
	Unnamed Tributary?	Latitude	Longitude	Receiving Water Name																					
1	No	37.479933	-83.324028	Troublesome Creek	Delete																				
2					Delete																				
+																									
SECTION V -- IF THE PERMITTED SITE DISCHARGES TO A MS4 THE FOLLOWING INFORMATION IS REQUIRED ?																									
Name of MS4: <div style="border: 1px solid black; height: 20px;"></div>																									
Date of application/notification to the MS4 for construction site permit coverage: <div style="border: 1px solid black; padding: 2px;">Date</div>	Discharge Point(s):(*)																								
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:5%;"></th> <th style="width:20%;">Latitude</th> <th style="width:20%;">Longitude</th> <th style="width:15%;"></th> <th style="width:15%;"></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">+</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="5" style="height: 100px;"></td> </tr> </tbody> </table>		Latitude	Longitude			+																		
	Latitude	Longitude																							
+																									
SECTION VI -- WILL THE PROJECT REQUIRE CONSTRUCTION ACTIVITIES IN A WATER BODY OR THE RIPARIAN ZONE?																									
Will the project require construction activities in a water body or the riparian zone?:(*)	<div style="border: 1px solid black; padding: 2px;">No</div>																								
If Yes, describe scope of activity: (√)	<div style="border: 1px solid black; padding: 2px;">describe scope of activity</div>																								
Is a Clean Water Act 404 permit required?:(*)	<div style="border: 1px solid black; padding: 2px;">No</div>																								
Is a Clean Water Act 401 Water Quality Certification required?:(*)	<div style="border: 1px solid black; padding: 2px;">No</div>																								
SECTION VII -- NOI PREPARER INFORMATION																									

First Name:(*) <input type="text" value="Min"/>	M.I.: <input type="text" value="MI"/>	Last Name:(*) <input type="text" value="Jiang"/>	Company Name:(*) <input type="text" value="Kentucky Transportation Cabinet"/>	
Mailing Address:(*) <input type="text" value="473 Highway 15 South"/>		City:(*) <input type="text" value="Jackson"/>	State:(*) <input type="text" value="Kentucky"/> ▼	Zip:(*) <input type="text" value="41339"/>
eMail Address:(*) <input type="text" value="min.jiang@ky.gov"/>		Business Phone:(*) <input type="text" value="606-666-8841"/>		Alternate Phone: <input type="text" value="Phone"/>
SECTION VIII -- ATTACHMENTS				
Facility Location Map:(*)		<input type="button" value="Upload file"/>		
Supplemental Information:		<input type="button" value="Upload file"/>		
SECTION IX -- CERTIFICATION				
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.				
Signature:(*) <input type="text" value="Min Jiang"/>		Title:(*) <input type="text" value="TE Supervisor"/>		
First Name:(*) <input type="text" value="Min"/>	M.I.: <input type="text" value="MI"/>	Last Name:(*) <input type="text" value="Jiang"/>		
eMail Address:(*) <input type="text" value="min.jiang@ky.gov"/>	Business Phone:(*) <input type="text" value="606-666-8841"/>	Alternate Phone: <input type="text" value="Phone"/>	Signature Date:(*) <input type="text" value="8/16/2021"/>	
<input type="button" value="Click to Save Values for Future Retrieval"/> <input type="button" value="Click to Submit to EEC"/>				



COUNTY OF	ITEM NO.
ONEAL	10-50450

KENTUCKY TRANSPORTATION CABINET
COMMUNICATING ALL PROMISES (CAP)

Item No. 10 - 9020County: BreathittRoute: 15Project Manager: JOHN MOORE

Item No. 10 - 9020County: StatewideRoute: 0Project Manager: JOHN MOORE

7/28/21

CAP #	Date of Promise	Promise made to:	Location of Promise:	CAP Description

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 2019* and *Standard Drawings, Edition of 2020*.

SUPPLEMENTAL SPECIFICATIONS

The contractor shall use the Supplemental Specifications that are effective at the time of letting.
The Supplemental Specifications can be found at the following link:

<http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications.aspx>

SPECIAL NOTE FOR BARCODE LABEL ON PERMANENT SIGNS

1.0 DESCRIPTION. Install barcode label on sheeting signs. Section references herein are to the Department’s Standard Specifications for Road and Bridge Construction, current edition.

2.0 MATERIALS. The Department will provide the Contractor with a 2 inch x 1 inch foil barcode label for each permanent sheeting sign. A unique number will be assigned to each barcode label.

The Contractor shall contact the Operations and Pavement Management Branch in the Division of Maintenance at (502) 564-4556 to obtain the barcode labels.

3.0 CONSTRUCTION. Apply foil barcode label in the lower right quadrant of the sign back. Signs where the bottom edge is not parallel to the ground, the lowest corner of the sign shall serve as the location to place the barcode label. The barcode label shall be placed no less than one-inch and no more than three inches from any edge of the sign. The barcode must be placed so that the sign post does not cover the barcode label.

Barcodes shall be applied in an indoor setting with a minimum air temperature of 50°F or higher. Prior to application of the barcode label, the back of the sign must be clean and free of dust, oil, etc. If the sign is not clean, an alcohol swab shall be used to clean the area. The area must be allowed to dry prior to placement of the barcode label.

Data for each sign shall include the barcode number, MUTCD reference number, sheeting manufacturer, sheeting type, manufacture date, color of primary reflective surface, installation date, latitude and longitude using the North American Datum of 1983 (NAD83) or the State Plane Coordinates using an x and y ordinate of the installed location.

Data should be provided electronically on the TC 71-229 Sign Details Information and TC 71-230 Sign Assembly Information forms. The Contractor may choose to present the data in a different format provided that the information submitted to the Department is equivalent to the information required on the Department TC forms. The forms must be submitted in electronic format regardless of which type of form is used. The Department will not accept PDF or handwritten forms. These completed forms must be submitted to the Department prior to final inspection of the signs. The Department will not issue formal acceptance for the project until the TC 71-229 and TC-230 electronic forms are completed for all signs and sign assemblies on the project.

4.0 MEASUREMENT. The Department will measure all work required for the installation of the barcode label and all work associated with completion and submission of the sign inventory data (TC 71-229 and TC 71-230).

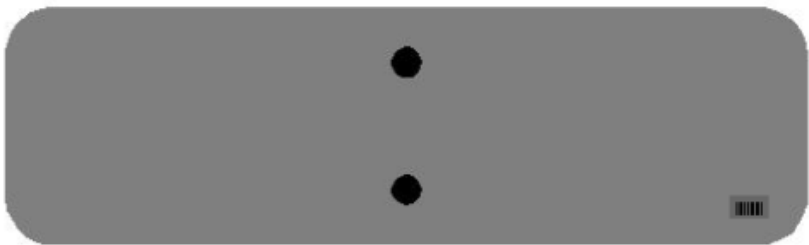
The installation of the permanent sign will be measured in accordance to Section 715.

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

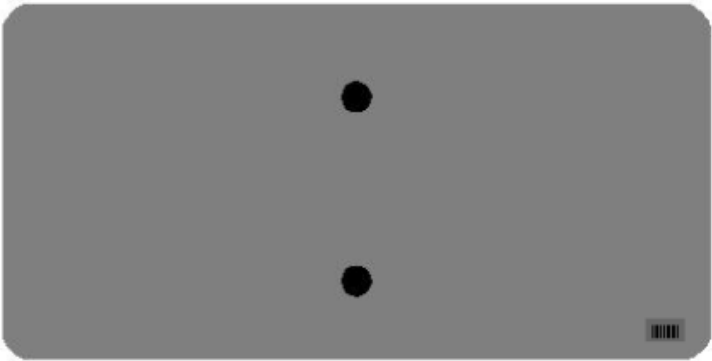
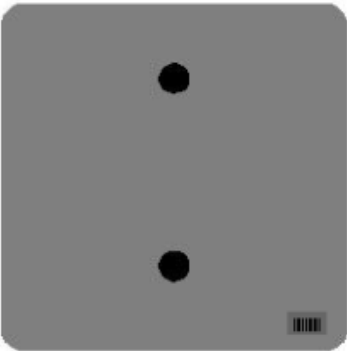
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24631EC	Barcode Sign Inventory	Each

The Department will not make payment for this item until all barcodes are installed and sign inventory is complete on every permanent sign installed on the project. The Department will make payment for installation of the permanent sign in accordance to Section 715. The Department will consider payment as full compensation for all work required under this special note.

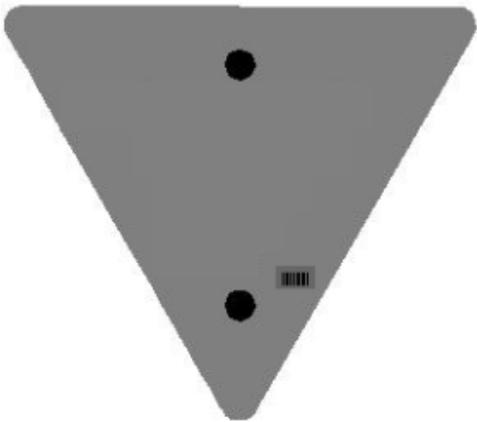
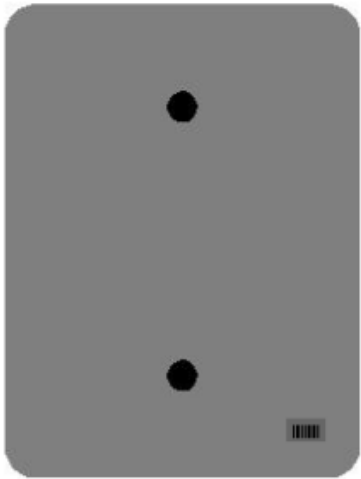
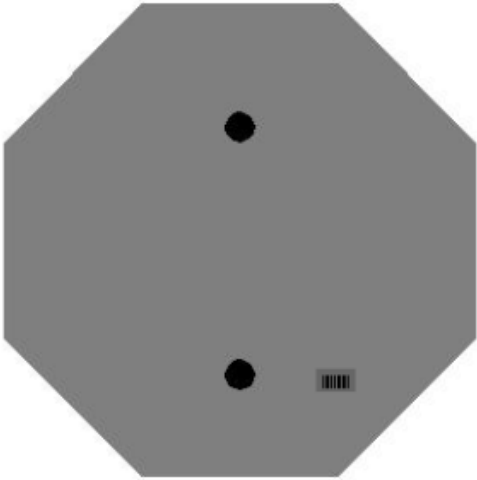
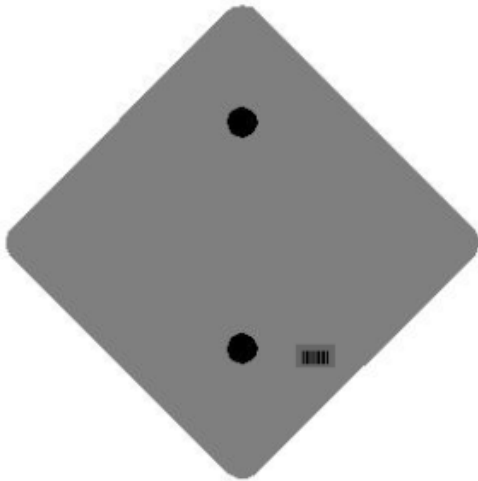
One Sign Post



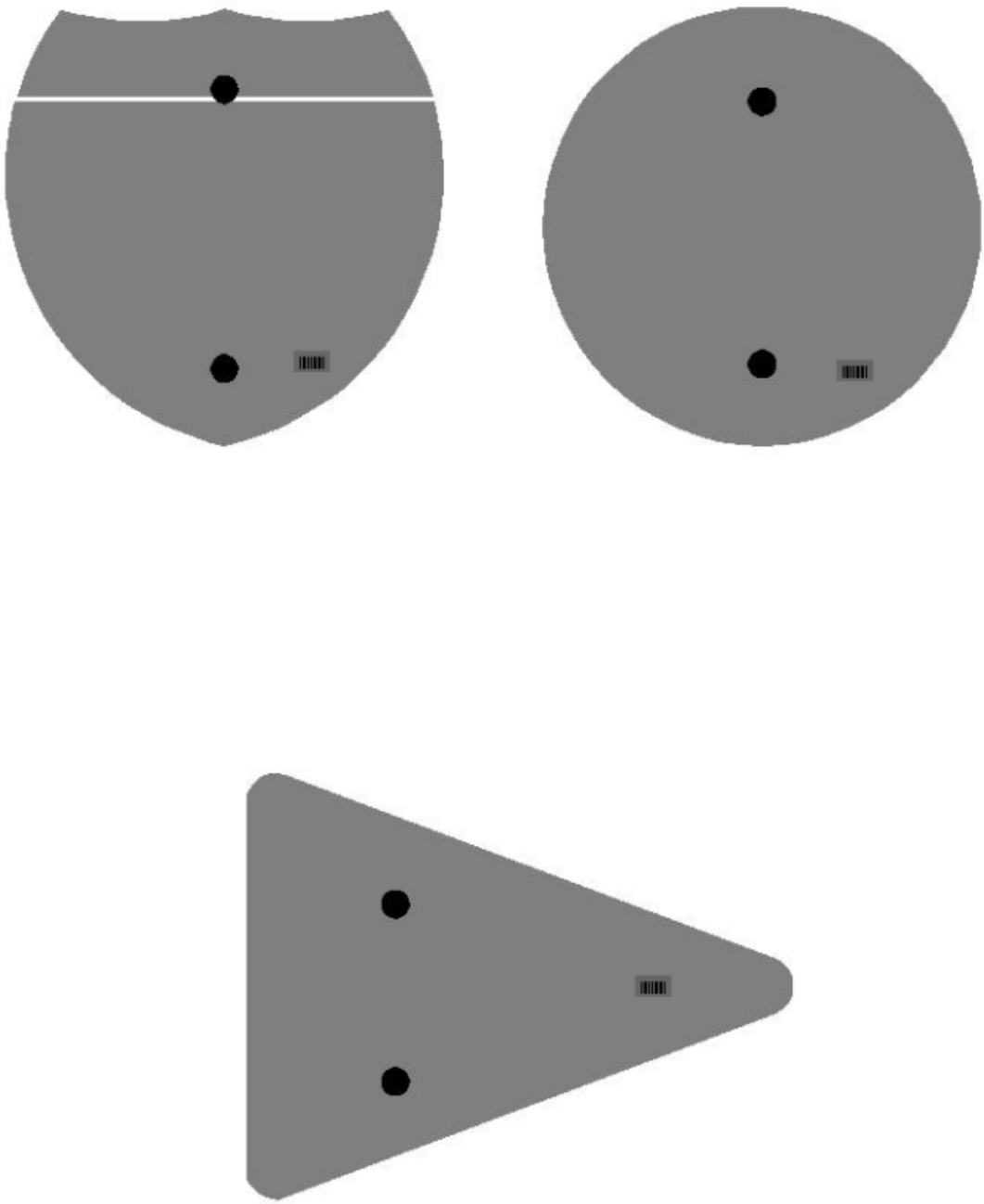
↑
2" Wide Post



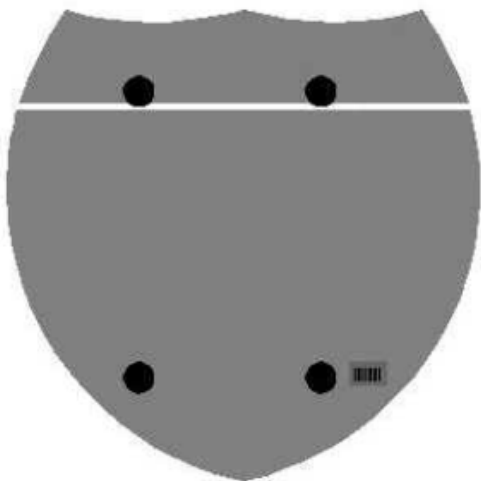
One Sign Post



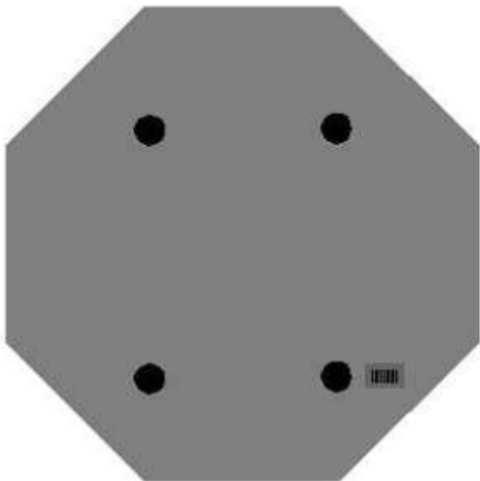
One Sign Post



Double Sign Post

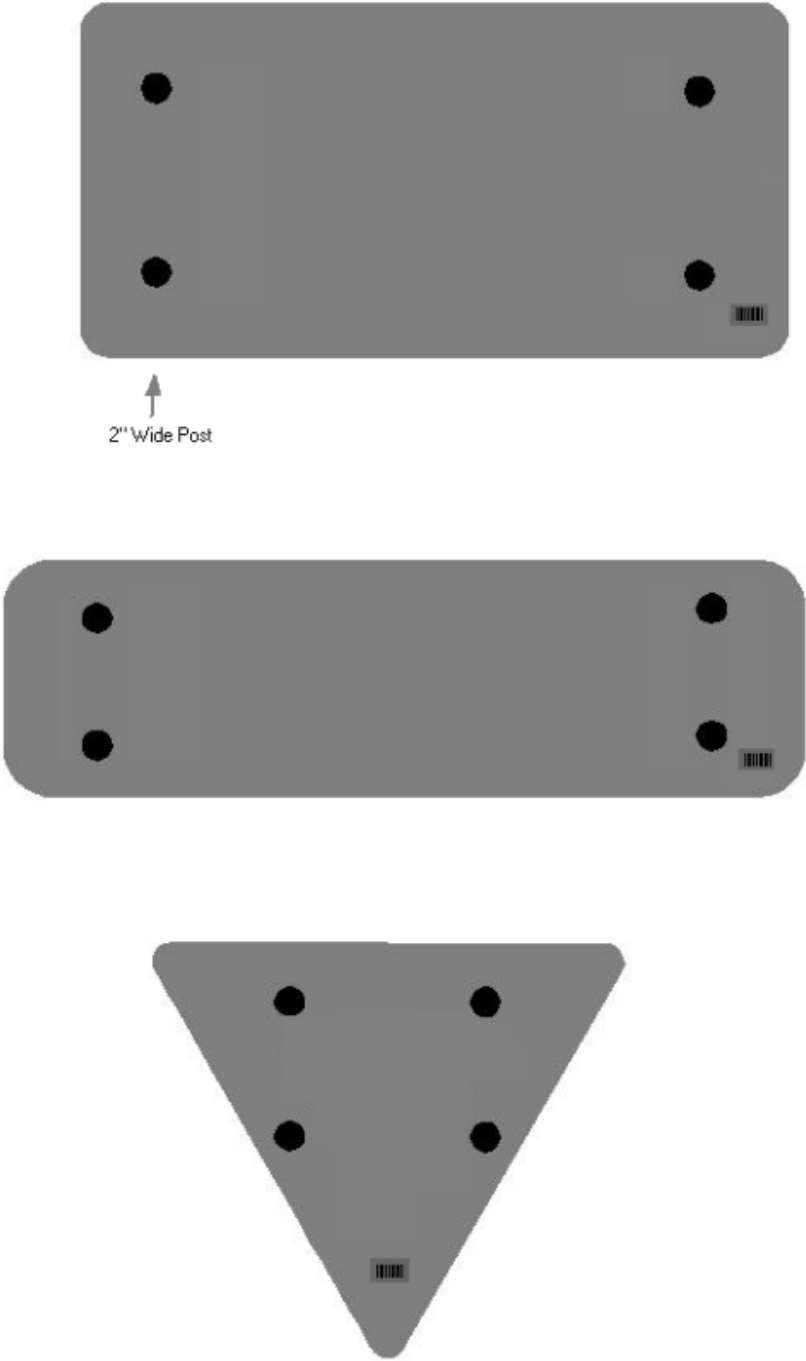


Interstate
Shield



48" Stop

2 Post Signs



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
- II. Nondiscrimination of Employees (KRS 344)

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.

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 forty (40) and over, in admission to, or employment in any program established to provide apprenticeship or other training.

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

Revised: January 25, 2017

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 (forty and above); 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 forty (40) and over. 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, or age forty (40) and over, or because the person is a qualified individual with a disability, except that such a notice or advertisement may indicate a preference, limitation, or specification based on religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, when religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, is a bona fide occupational qualification for employment.

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 (7) provides:

No present or former public servant shall, within six (6) months 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, or is regulated by, the state in matters in which he was directly involved during the last thirty-six (36) months of 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, or for which he received, prior to his state employment, a professional degree or license, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved during the last thirty-six (36) months of his tenure 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, nor shall it prohibit the former officer or public servant from receiving public funds disbursed through entitlement programs.

KRS 11A.040 (9) states:

A former public servant shall not represent a person or business before a state agency in a matter in which the former public servant was directly involved during the last thirty-six (36) months of his tenure, 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, 3 Fountain Place, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: January 27, 2017

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.

EMPLOYEE RIGHTS UNDER THE FAIR LABOR STANDARDS ACT

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

FEDERAL MINIMUM WAGE

\$7.25 PER HOUR

BEGINNING JULY 24, 2009

- OVERTIME PAY** At least 1½ times your regular rate of pay for all hours worked over 40 in a workweek.
- CHILD LABOR** An employee must be at least **16** years old to work in most non-farm jobs and at least **18** to work in non-farm jobs declared hazardous by the Secretary of Labor.
- Youths **14** and **15** years old may work outside school hours in various non-manufacturing, non-mining, non-hazardous jobs under the following conditions:
- No more than*
- **3** hours on a school day or **18** hours in a school week;
 - **8** hours on a non-school day or **40** hours in a non-school week.
- Also, work may not begin before **7 a.m.** or end after **7 p.m.**, except from June 1 through Labor Day, when evening hours are extended to **9 p.m.** Different rules apply in agricultural employment.
- TIP CREDIT** Employers of “tipped employees” must pay a cash wage of at least \$2.13 per hour if they claim a tip credit against their minimum wage obligation. If an employee’s tips combined with the employer’s cash wage of at least \$2.13 per hour do not equal the minimum hourly wage, the employer must make up the difference. Certain other conditions must also be met.
- ENFORCEMENT** The Department of Labor may recover back wages either administratively or through court action, for the employees that have been underpaid in violation of the law. Violations may result in civil or criminal action.
- Employers may be assessed civil money penalties of up to \$1,100 for each willful or repeated violation of the minimum wage or overtime pay provisions of the law and up to \$11,000 for each employee who is the subject of a violation of the Act’s child labor provisions. In addition, a civil money penalty of up to \$50,000 may be assessed for each child labor violation that causes the death or serious injury of any minor employee, and such assessments may be doubled, up to \$100,000, when the violations are determined to be willful or repeated. The law also prohibits discriminating against or discharging workers who file a complaint or participate in any proceeding under the Act.
- ADDITIONAL INFORMATION**
- Certain occupations and establishments are exempt from the minimum wage and/or overtime pay provisions.
 - Special provisions apply to workers in American Samoa and the Commonwealth of the Northern Mariana Islands.
 - Some state laws provide greater employee protections; employers must comply with both.
 - The law requires employers to display this poster where employees can readily see it.
 - Employees under 20 years of age may be paid \$4.25 per hour during their first 90 consecutive calendar days of employment with an employer.
 - Certain full-time students, student learners, apprentices, and workers with disabilities may be paid less than the minimum wage under special certificates issued by the Department of Labor.

For additional information:



1-866-4-USWAGE

(1-866-487-9243)

TTY: 1-877-889-5627



WWW.WAGEHOUR.DOL.GOV

PART IV

INSURANCE

Refer to
Kentucky Standard Specifications for Road and Bridge Construction,
current edition

PART V

BID ITEMS

Report Date 11/9/21

Section: 0001 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	01450		S & F BOX INLET-OUTLET-18 IN	1.00	EACH		\$	
0020	02381		REMOVE GUARDRAIL	600.00	LF		\$	
0030	02545		CLEARING AND GRUBBING 1.05 ACRES	1.00	LS		\$	
0040	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0050	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0060	02714		SHOULDERING	600.00	LF		\$	
0070	02726		STAKING	1.00	LS		\$	
0080	04795		CONDUIT-2 IN	705.00	LF		\$	
0090	04833		WIRE-NO. 8	705.00	LF		\$	
0100	04939		REMOVE POLE	4.00	EACH		\$	
0110	05950		EROSION CONTROL BLANKET	267.00	SQYD		\$	
0120	06406		SBM ALUM SHEET SIGNS .080 IN	96.00	SQFT		\$	
0130	06410		STEEL POST TYPE 1	148.00	LF		\$	
0140	06543		PAVE STRIPING-THERMO-6 IN Y	2,300.00	LF		\$	
0150	06568		PAVE MARKING-THERMO STOP BAR-24IN	44.00	LF		\$	
0160	20418ED		REMOVE & RELOCATE SIGNS	6.00	EACH		\$	
0170	21373ND		REMOVE SIGN	9.00	EACH		\$	
0180	21415ND		EROSION CONTROL	1.00	LS		\$	
0190	22664EN		WATER BLASTING EXISTING STRIPE	2,300.00	LF		\$	
0200	24631EC		BARCODE SIGN INVENTORY	8.00	EACH		\$	

Section: 0002 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0210	04740		POLE BASE	1.00	EACH		\$	
0220	04844		CABLE-NO. 14/5C	290.00	LF		\$	
0230	04886		MESSENGER-15400 LB	160.00	LF		\$	
0240	04930		BEACON CONTROLLER-2 CIRCUIT	1.00	EACH		\$	
0250	04932		INSTALL STEEL STRAIN POLE	2.00	EACH		\$	
0260	20408ES835		INSTALL LED BEACON-12 IN	16.00	EACH		\$	
0270	22939ND		INSTALL LUMINAIRE POLE	1.00	EACH		\$	
0280	23157EN		TRAFFIC SIGNAL POLE BASE	17.80	CUYD		\$	
0290	24601EC		INSTALL SOLAR POWERED BEACON CONTROLLER	1.00	EACH		\$	
0300	24955ED		REMOVE SIGNAL EQUIPMENT	2.00	EACH		\$	

Section: 0003 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0310	02569		DEMOBILIZATION	1.00	LS		\$	