



CALL NO. 333

CONTRACT ID. 221357

JESSAMINE COUNTY

FED/STATE PROJECT NUMBER FD04 SPP 057 1980 003-006

DESCRIPTION ASHGROVE PIKE (KY 1980)

WORK TYPE ASPHALT SURFACE WITH GRADE & DRAIN

PRIMARY COMPLETION DATE 10/31/2023

LETTING DATE: December 08,2022

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN STANDARD TIME December 08,2022. 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 - 07

CONTRACT ID - 221357

FD04 SPP 057 1980 003-006

COUNTY - JESSAMINE

PCN - DE05719802257

FD04 SPP 057 1980 003-006

ASHGROVE PIKE (KY 1980) RECONSTRUCTION ASHGROVE PIKE AND ASHGROVE LANE, A DISTANCE OF 0.22 MILES; RESURFACE ASHGROVE PIKE FROM 0.215 MILES EST OF US 27 (MP 3.42) TO YOUNG DRIVE (MP 5.016), A DISTANCE OF 1.596 MILES.ASPHALT SURFACE WITH GRADE & DRAIN SYP NO. 07-00103.00.
GEOGRAPHIC COORDINATES LATITUDE 0:00:00.00 LONGITUDE 0:00:00.00
ADT 2,900

COMPLETION DATE(S):

COMPLETED BY 10/31/2023 APPLIES TO ENTIRE CONTRACT

CONTRACT NOTES

PROPOSAL ADDENDA

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

BID SUBMITTAL

Bidder must use the Department's 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.

BUILD AMERICA, BUY AMERICA ACT (BABA)

On November 15, 2021, President Biden signed into law the Infrastructure Investment and Jobs Act (IIJA), Pub. L. No. 117-58, includes the Build America, Buy America Act (“the Act”). Pub. L. No. 117-58, §§70901-52. The Act strengthens the Buy America preference to include “construction materials.” The current temporary waiver for **“construction materials”** will expire on November 10, 2022.

The Act will apply to construction materials as outlined in the guidance issued in OMB [M-22-11](#).

Construction Materials – Includes an article, material, or supply – other than an item of primarily iron or steel; a manufactured product; cement and cementitious materials; aggregates such as stone, sand, or gravel; or aggregate binding agents or additives – that is or consists primarily of:

- Non-ferrous metals
- Plastic/polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables);
- Glass (including optic glass);
- Lumber; or
- Drywall.

Construction Materials only applies to items, materials, and supplies that are consumed in, incorporated into, or affixed to an infrastructure project.

Construction Materials does not apply to tools, equipment or supplies brought to the jobsite and removed before completion.

October 14, 2022

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

ASPHALT MIXTURE

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

DGA BASE

Unless otherwise noted, the Department estimates the rate of application for DGA Base to be 115 lbs/sy per inch of depth.

DGA BASE FOR SHOULDERS

Unless otherwise noted, the Department estimates the rate of application for DGA Base for Shoulders to be 115 lbs/sy per inch of depth. The Department will not measure necessary grading and/or shaping of existing shoulders prior to placing of DGA Base, but shall be incidental to the Contract unit price per ton for DGA Base.

Accept payment at the Contract unit price per ton as full compensation for all labor, materials, equipment, and incidentals for grading and/or shaping of existing shoulders and furnishing, placing, and compacting the DGA Base.

OPTION B

Be advised that the Department will control and accept compaction of asphalt mixtures furnished on this project under OPTION B in accordance with Sections 402 and 403.

SHEET NO.	ITEM NO.	COUNTY OF
RI	7-103.00	JESSAMINE

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS

PLANS OF
PROPOSED PROJECT
JESSAMINE COUNTY
ASHGROVE PIKE IMPROVEMENTS
FULL DEPTH RECONSTRUCTION PLANS



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
RI	LAYOUT SHEET
RI-1	RIGHT OF WAY
RI-2	RIGHT OF WAY
RI-3	RIGHT OF WAY
RI-4	RIGHT OF WAY
RI-5	RIGHT OF WAY
RI-6	RIGHT OF WAY
RI-7	RIGHT OF WAY
RI-8	RIGHT OF WAY
RI-9	RIGHT OF WAY
RI-10	RIGHT OF WAY
RI-11	RIGHT OF WAY
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RI-98	RIGHT OF WAY
RI-99	RIGHT OF WAY
RI-100	RIGHT OF WAY

SHEETS NOT INCLUDED IN TOTAL SHEETS

STANDARD DRAWINGS

100-1	100-2	100-3	100-4	100-5	100-6	100-7	100-8	100-9	100-10	100-11	100-12	100-13	100-14	100-15	100-16	100-17	100-18	100-19	100-20	100-21	100-22	100-23	100-24	100-25	100-26	100-27	100-28	100-29	100-30	100-31	100-32	100-33	100-34	100-35	100-36	100-37	100-38	100-39	100-40	100-41	100-42	100-43	100-44	100-45	100-46	100-47	100-48	100-49	100-50	100-51	100-52	100-53	100-54	100-55	100-56	100-57	100-58	100-59	100-60	100-61	100-62	100-63	100-64	100-65	100-66	100-67	100-68	100-69	100-70	100-71	100-72	100-73	100-74	100-75	100-76	100-77	100-78	100-79	100-80	100-81	100-82	100-83	100-84	100-85	100-86	100-87	100-88	100-89	100-90	100-91	100-92	100-93	100-94	100-95	100-96	100-97	100-98	100-99	100-100
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BEGIN CURVE IMPROVEMENT
STA. 10+00

END CURVE IMPROVEMENT
STA. 16+25

BEGIN ASHGROVE LANE REALIGNMENT
STA. 0+00

END ASHGROVE LANE REALIGNMENT
STA. 5+36

LAYOUT MAP

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
COUNTY OF
JESSAMINE

ITEM NO. 7-103.00
PROJECT NUMBER:
LETTING DATE:
RECOMMENDED BY: JOSHUA SAMPLES
PROJECT MANAGER: JOSHUA SAMPLES
DATE: 5/14/2021
PLAN APPROVED BY: STATE HIGHWAY ENGINEER
DATE:

DESIGN CRITERIA

CLASS OF HIGHWAY _____
TYPE OF TERRAIN _____
DESIGN SPEED _____
REQUIRED FFSO _____
REQUIRED PCSSO _____
LEVEL OF SERVICE _____
ADT PRESENT () _____
ADT FUTURE () _____
DHW _____
D % _____
T % _____

GEOGRAPHIC COORDINATES

LATITUDE _____ DEGREES _____ MINUTES _____ SECONDS NORTH
LONGITUDE _____ DEGREES _____ MINUTES _____ SECONDS WEST
% RESTRICTED SO _____
LEVEL OF SERVICE _____
MAX. DISTANCE W/O PASSING _____

LENGTH	10+00	10+25	10+50	10+75	11+00	11+25	11+50	11+75	12+00	12+25	12+50	12+75	13+00	13+25	13+50	13+75	14+00	14+25	14+50	14+75	15+00	15+25	15+50	15+75	16+00	16+25	16+50	16+75	17+00	17+25	17+50	17+75	18+00	18+25	18+50	18+75	19+00	19+25	19+50	19+75	20+00	20+25	20+50	20+75	21+00	21+25	21+50	21+75	22+00	22+25	22+50	22+75	23+00	23+25	23+50	23+75	24+00	24+25	24+50	24+75	25+00	25+25	25+50	25+75	26+00	26+25	26+50	26+75	27+00	27+25	27+50	27+75	28+00	28+25	28+50	28+75	29+00	29+25	29+50	29+75	30+00	30+25	30+50	30+75	31+00	31+25	31+50	31+75	32+00	32+25	32+50	32+75	33+00	33+25	33+50	33+75	34+00	34+25	34+50	34+75	35+00	35+25	35+50	35+75	36+00	36+25	36+50	36+75	37+00	37+25	37+50	37+75	38+00	38+25	38+50	38+75	39+00	39+25	39+50	39+75	40+00	40+25	40+50	40+75	41+00	41+25	41+50	41+75	42+00	42+25	42+50	42+75	43+00	43+25	43+50	43+75	44+00	44+25	44+50	44+75	45+00	45+25	45+50	45+75	46+00	46+25	46+50	46+75	47+00	47+25	47+50	47+75	48+00	48+25	48+50	48+75	49+00	49+25	49+50	49+75	50+00	50+25	50+50	50+75	51+00	51+25	51+50	51+75	52+00	52+25	52+50	52+75	53+00	53+25	53+50	53+75	54+00	54+25	54+50	54+75	55+00	55+25	55+50	55+75	56+00	56+25	56+50	56+75	57+00	57+25	57+50	57+75	58+00	58+25	58+50	58+75	59+00	59+25	59+50	59+75	60+00	60+25	60+50	60+75	61+00	61+25	61+50	61+75	62+00	62+25	62+50	62+75	63+00	63+25	63+50	63+75	64+00	64+25	64+50	64+75	65+00	65+25	65+50	65+75	66+00	66+25	66+50	66+75	67+00	67+25	67+50	67+75	68+00	68+25	68+50	68+75	69+00	69+25	69+50	69+75	70+00	70+25	70+50	70+75	71+00	71+25	71+50	71+75	72+00	72+25	72+50	72+75	73+00	73+25	73+50	73+75	74+00	74+25	74+50	74+75	75+00	75+25	75+50	75+75	76+00	76+25	76+50	76+75	77+00	77+25	77+50	77+75	78+00	78+25	78+50	78+75	79+00	79+25	79+50	79+75	80+00	80+25	80+50	80+75	81+00	81+25	81+50	81+75	82+00	82+25	82+50	82+75	83+00	83+25	83+50	83+75	84+00	84+25	84+50	84+75	85+00	85+25	85+50	85+75	86+00	86+25	86+50	86+75	87+00	87+25	87+50	87+75	88+00	88+25	88+50	88+75	89+00	89+25	89+50	89+75	90+00	90+25	90+50	90+75	91+00	91+25	91+50	91+75	92+00	92+25	92+50	92+75	93+00	93+25	93+50	93+75	94+00	94+25	94+50	94+75	95+00	95+25	95+50	95+75	96+00	96+25	96+50	96+75	97+00	97+25	97+50	97+75	98+00	98+25	98+50	98+75	99+00	99+25	99+50	99+75	100+00	100+25	100+50	100+75	101+00	101+25	101+50	101+75	102+00	102+25	102+50	102+75	103+00	103+25	103+50	103+75	104+00	104+25	104+50	104+75	105+00	105+25	105+50	105+75	106+00	106+25	106+50	106+75	107+00	107+25	107+50	107+75	108+00	108+25	108+50	108+75	109+00	109+25	109+50	109+75	110+00	110+25	110+50	110+75	111+00	111+25	111+50	111+75	112+00	112+25	112+50	112+75	113+00	113+25	113+50	113+75	114+00	114+25	114+50	114+75	115+00	115+25	115+50	115+75	116+00	116+25	116+50	116+75	117+00	117+25	117+50	117+75	118+00	118+25	118+50	118+75	119+00	119+25	119+50	119+75	120+00	120+25	120+50	120+75	121+00	121+25	121+50	121+75	122+00	122+25	122+50	122+75	123+00	123+25	123+50	123+75	124+00	124+25	124+50	124+75	125+00	125+25	125+50	125+75	126+00	126+25	126+50	126+75	127+00	127+25	127+50	127+75	128+00	128+25	128+50	128+75	129+00	129+25	129+50	129+75	130+00	130+25	130+50	130+75	131+00	131+25	131+50	131+75	132+00	132+25	132+50	132+75	133+00	133+25	133+50	133+75	134+00	134+25	134+50	134+75	135+00	135+25	135+50	135+75	136+00	136+25	136+50	136+75	137+00	137+25	137+50	137+75	138+00	138+25	138+50	138+75	139+00	139+25	139+50	139+75	140+00	140+25	140+50	140+75	141+00	141+25	141+50	141+75	142+00	142+25	142+50	142+75	143+00	143+25	143+50	143+75	144+00	144+25	144+50	144+75	145+00	145+25	145+50	145+75	146+00	146+25	146+50	146+75	147+00	147+25	147+50	147+75	148+00	148+25	148+50	148+75	149+00	149+25	149+50	149+75	150+00	150+25	150+50	150+75	151+00	151+25	151+50	151+75	152+00	152+25	152+50	152+75	153+00	153+25	153+50	153+75	154+00	154+25	154+50	154+75	155+00	155+25	155+50	155+75	156+00	156+25	156+50	156+75	157+00	157+25	157+50	157+75	158+00	158+25	158+50	158+75	159+00	159+25	159+50	159+75	160+00	160+25	160+50	160+75	161+00	161+25	161+50	161+75	162+00	162+25	162+50	162+75	163+00	163+25	163+50	163+75	164+00	164+25	164+50	164+75	165+00	165+25	165+50	165+75	166+00	166+25	166+50	166+75	167+00	167+25	167+50	167+75	168+00	168+25	168+50	168+75	169+00	169+25	169+50	169+75	170+00	170+25	170+50	170+75	171+00	171+25	171+50	171+75	172+00	172+25	172+50	172+75	173+00	173+25	173+50	173+75	174+00	174+25	174+50	174+75	175+00	175+25	175+50	175+75	176+00	176+25	176+50	176+75	177+00	177+25	177+50	177+75	178+00	178+25	178+50	178+75	179+00	179+25	179+50	179+75	180+00	180+25	180+50	180+75	181+00	181+25	181+50	181+75	182+00	182+25	182+50	182+75	183+00	183+25	183+50	183+75	184+00	184+25	184+50	184+75	185+00	185+25	185+50	185+75	186+00	186+25	186+50	186+75	187+00	187+25	187+50	187+75	188+00	188+25	188+50	188+75	189+00	189+25	189+50	189+75	190+00	190+25	190+50	190+75	191+00	191+25	191+50	191+75	192+00	192+25	192+50	192+75	193+00	193+25	193+50	193+75	194+00	194+25	194+50	194+75	195+00	195+25	195+50	195+75	196+00	196+25	196+50	196+75	197+00	197+25	197+50	197+75	198+00	198+25	198+50	198+75	199+00	199+25	199+50	199+75	200+00	200+25	200+50	200+75	201+00	201+25	201+50	201+75	202+00	202+25	202+50	202+75	203+00	203+25	203+50	203+75	204+00	204+25	204+50	204+75	205+00	205+25	205+50	205+75	206+00	206+25	206+50	206+75	207+00	207+25	207+50	207+75	208+00	208+25	208+50	208+75	209+00	209+25	209+50	209+75	210+00	210+25	210+50	210+75	211+00	211+25	211+50	211+75	212+00	212+25	212+50	212+75	213+00	213+25	213+50	213+75	214+00	214+25	214+50	214+75	215+00	215+25	215+50	215+75	216+00	216+25	216+50	216+75	217+00	217+25	217+50	217+75	218+00	218+25	218+50	218+75	219+00	219+25	219+50	219+75	220+00	220+25	220+50	220+75	221+00	221+25	221+50	221+75	222+00	222+25	222+50	222+75	223+00	223+25	223+50	223+75	224+00	224+25	224+50	224+75	225+00	225+25	225+50	225+75	226+00	226+25	226+50	226+75	227+00	227+25	227+50	227+75	228+00	228+25	228+50	228+75	229+00	229+25	229+50	229+75	230+00	230+25	230+50	230+75	231+00	231+25	231+50	231+75	232+00	232+25	232+50	232+75	233+00	233+25	233+50	233+75	234+00	234+25	234+50	234+75	235+00	235+25	235+50	235+75	236+00	236+25	236+50	236+75	237+00	237+25	237+50	237+75	238+00	238+25	238+50	238+75	239+00	239+25	239+50	239+75	240+00	240+25	240+50	240+75	241+00	241+25	241+50	241+75	242+00	242+25	242+50	242+75	243+00	243+25	243+50	243+75	244+00	244+25	244+50	244+75	245+00	245+25	245+50	245+75	246+00	246+25	246+50	246+75	247+00	247+25	247+50	247+75	248+00	248+25	248+50	248+75	249+00	249+25	249+50	249+75	250+00	250+25	250+50	250+75	251+00	251+25	251+50	251+75	252+00	252+25	252+50	252+75	253+00	253+25	253+50	253+75	254+00	254+25	254+50	254+75	255+00	255+25	255+50	255+75	256+00	256+25	256+50	256+75	257+00	257+25	257+50	257+75	258+00	258+25	258+50	258+75	259+00	259+25	259+50	259+75	260+00	260+25	260+50	260+75	261+00	261+25	261+50	261+75	262+00	262+25	262+50	262+75	263+00	263+25	263+50	263+75	264+00	264+25	264+50	264+75	265+00	265+25	265+50	265+75	266+00	266+25	266+50	266+75	267+00	267+25	267+50	267+75	268+00	268+25	268+50	268+75	269+00	269+25	269+50	269+75	270+00	270+25	270+50	270+75	271+00	271+25	271+50	271+75	272+00	272+25	272+50	272+75	273+00	273+25	273+50	273+75	274+00	274+25	274+50	274+75	275+00	275+25	275+50	275+75	276+00	276+25	276+50	276+75	277+00	277+25	277+50	277+75	278+00	278+25	278+50	278+75	279+00	279+25	279+50	279+75	280+00	280+25	280+50	280+75	281+00	281+25	281+50	281+75	282+00	282+25	282+50	282+75	283+00	283+25	283+50	283+75	284+00	284+25	284+50	284+75	285+00	285+25	285+50	285+75	286+00	286+25	286+50	286+75	287+00	287+25	287+50	287+75	288+00	288+25	288+50	288+75	289+00	289+25	289+50	289+75	290+00	290+25	290+50	290+75	291+00	291+25	291+50	291+75	292+00	292+25	292+50	292+75	293+00	293+25	293+50	293+75	294+00	294+25	294+50	294+75	295+00	295+25	295+50	295+75	296+00	296+25	296+50	296+75	297+00	297+25	297+50	297+75	298+00	298+25	298+50	298+75	299+00	299+2
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GENERAL SUMMARY RECONSTRUCTION

ITEM	DESCRIPTION	UNIT	ASHGROVE LANE	ASHGROVE PIKE		PROJECT TOTAL
0001	DGA ①	TON	792	1,020		1,790
0078	CRUSHED AGGREGATE SIZE NO 2	TON	844	1,117		1,961
0221	CL2 ASPH BASE 0.75D PG 64-22	TON	358	476		834
0301	CL2 ASPH SURF 0.38D PG 64-22	TON	100	134		234
0443	ENTRANCE PIPE-24 IN	LF	40			40
0462	CULVERT PIPE-18 IN	LF		60		60
2091	REMOVE PAVEMENT	SQ YD	706			706
2159	TEMP DITCH	LF	268	313		581
2160	CLEAN TEMP DITCH	LF	134	157		291
2200	ROADWAY EXCAVATION ②	CU YD	1,103	1,299		2,402
2429	RIGHT-OF-WAY MONUMENT	EACH	17	8		25
2432	WITNESS POST	EACH	17	8		25
2545	CLEARING AND GRUBBING	LS	1			1
2569	DEMOBILIZATION	LS	1			1
2585	EDGE KEY	LF	20	40		60
2602	FABRIC-GEOTEXTILE CLASS 1	SQ YD	2,780	3,643		6,423
2650	MAINTAIN AND CONTROL TRAFFIC	LS	1			1
2697	EDGE LINE RUMBLE STRIPS	LF		1250		1250
2701	TEMP SILT FENCE	LF	268	313		581
2703	SILT TRAP TYPE A	EACH	1	1		2
2704	SILT TRAP TYPE B	EACH	1	1		2
2706	CLEAN SILT TRAP TYPE A	EACH	1	1		2
2707	CLEAN SILT TRAP TYPE B	EACH	1	1		2
5950	EROSION CONTROL BLANKET	SQ YD	968	1,495		2,463
5952	TEMP MULCH	SQ YD	1,616	2,087		3,703
5953	TEMP SEED AND PROTECTION	SQ YD	1,212	1,565		2,777
5963	INITIAL FERTILIZER	TON	0.1	0.2		0.3
5964	MAINTENANCE FERTILIZER	TON	0.1	0.2		0.3
5985	SEEDING AND PROTECTION	SQ YD	305	23		328
6514	PAVE STRIPING-PERM PAINT-4 IN (YELLOW)	LF		1250		1250
6406	SBM ALUM SHEET SIGNS .080 IN	SQ FT	21	59		80
6410	STEEL POST TYPE 1	LF	24	96		120
1450	S & F BOX INLET-OUTLET-18 IN	EACH		2		2
20430ED	SAWCUT	LF	80			80
24631EC	BARCODE SIGN INVENTORY	EACH	3	16		19

NOTES

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- ① ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
- ② EARTHWORK QUANTITIES:
- ASHGROVE LANE: ASHGROVE PIKE:
COM 1103 CU YD COM 1299 CU YD
EMB 71 CU YD EMB 45 CU YD

COUNTY OF	ITEM NO.	SHEET NO.
JESSAMINE	07-103.00	

APPROX. 200 FT EAST OF LT STA 15+24.74
CONST. STEEL POST T.Y.1
AND 36X36 WINDING ROAD SIGN (W1-5)
AND 18X18 ADVISORY SPEED PLAQUE (W13-1P)



SCALE: 1" = 20'

BEGIN CONSTRUCTION
STA 10+00.00

1) S 69°20'43" W, 22.71'
 2) S 65°35'34" W, 55.83'
 3) S 82°36'34" W, 50.05'
 4) N 76°54'54" W, 50.02'
 5) N 64°59'20" W, 50.03'
 6) N 62°46'10" W, 51.5'
 7) N 65°23'44" E, 79.36'
 8) S 86°39'16" E, 38.20'
 9) S 60°04'21" E, 122.88'

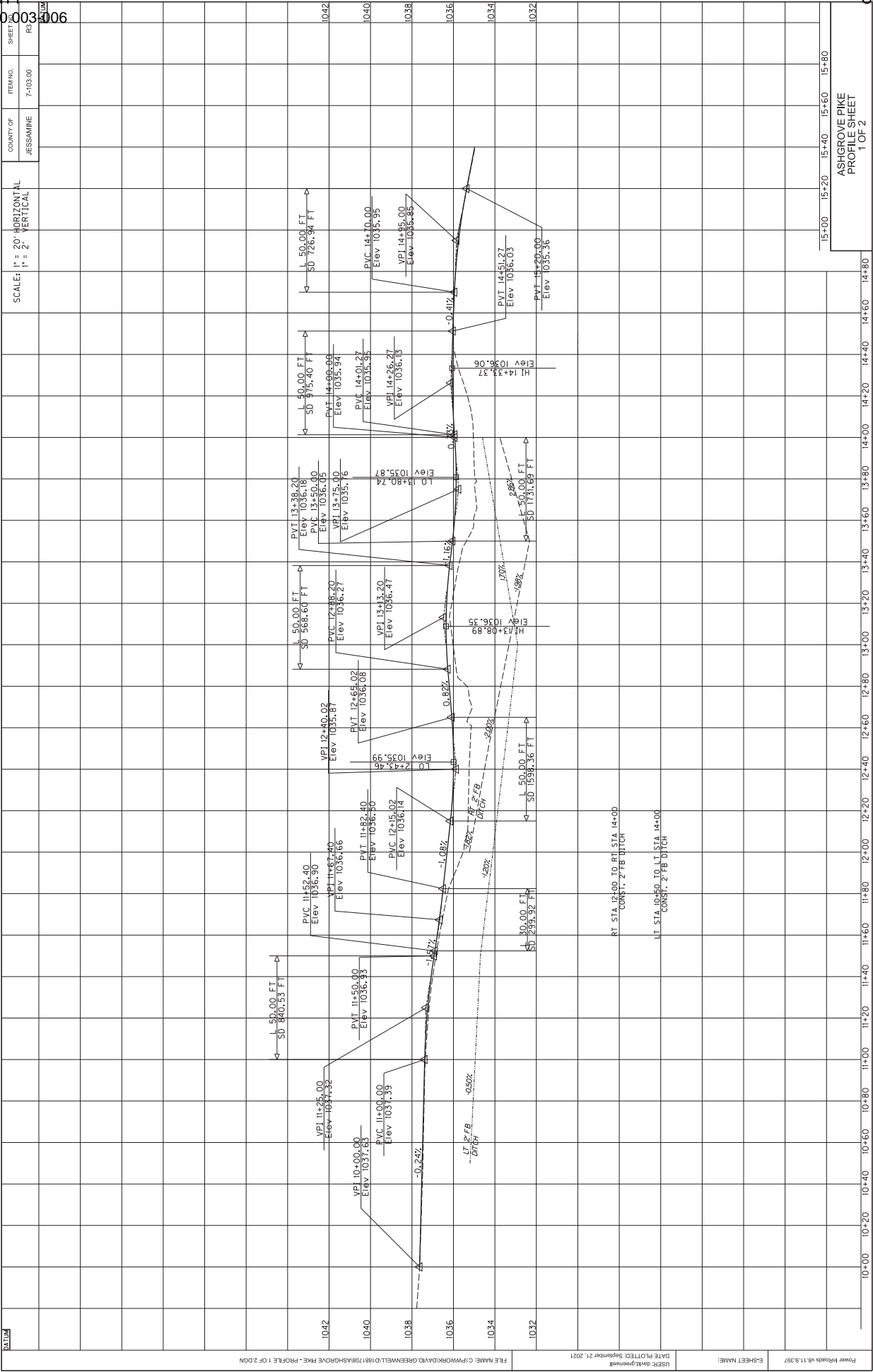
CONTACT DISTRICT 7 TRAFFIC BEFORE
MANUFACTURING PROPOSED SIGNS
CONTACT: 859-246-2355

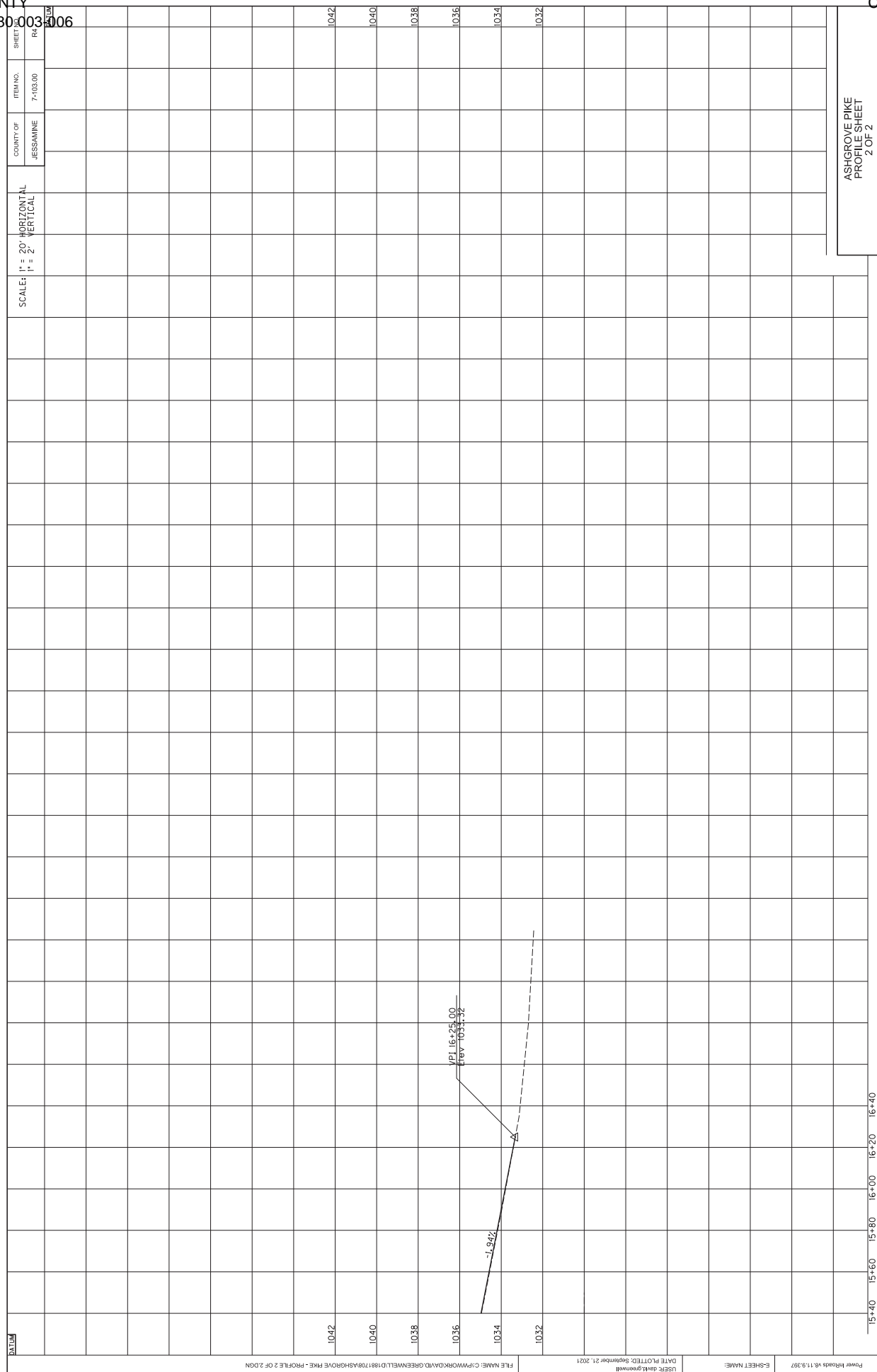
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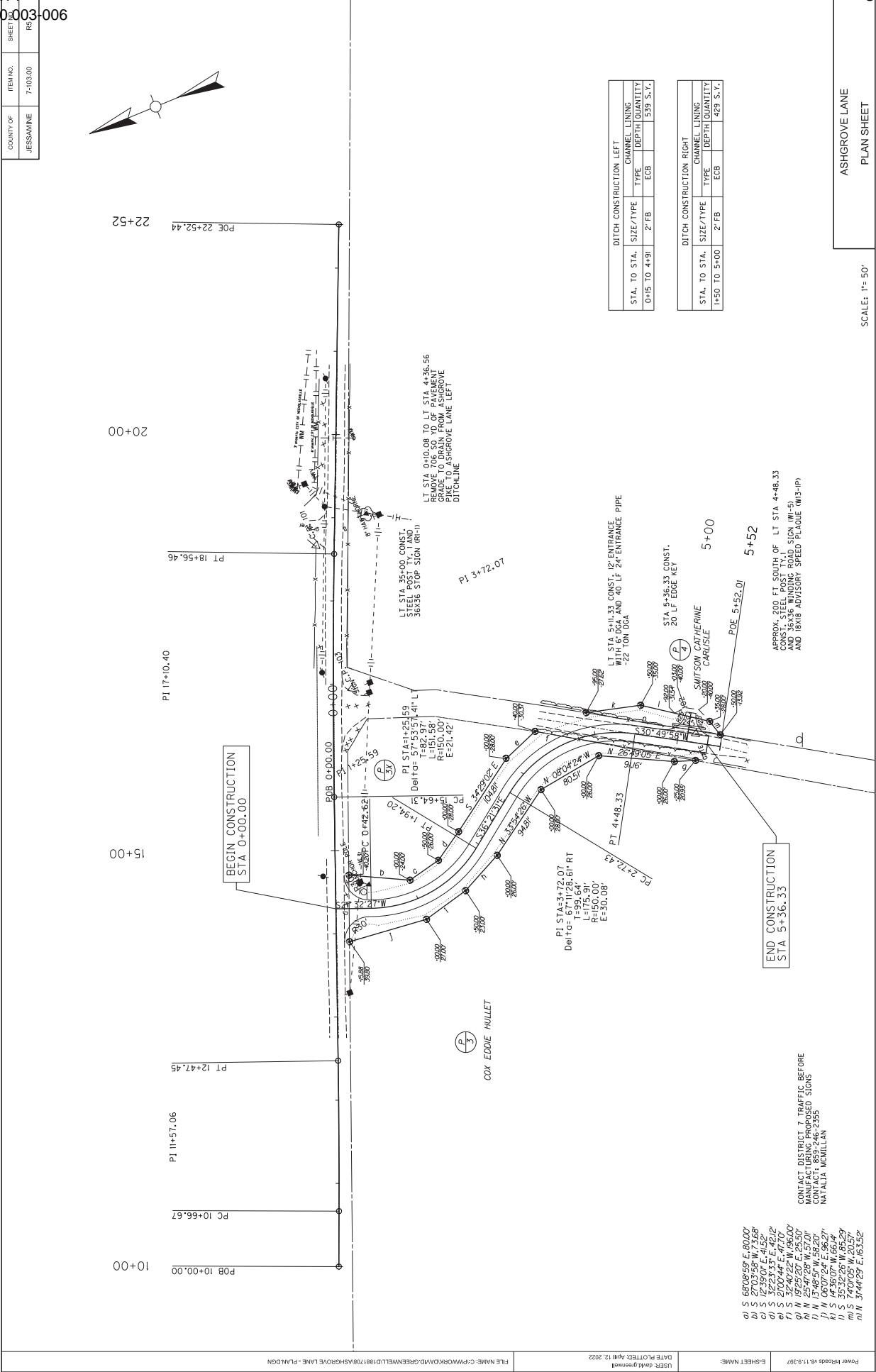
August 2, 2022

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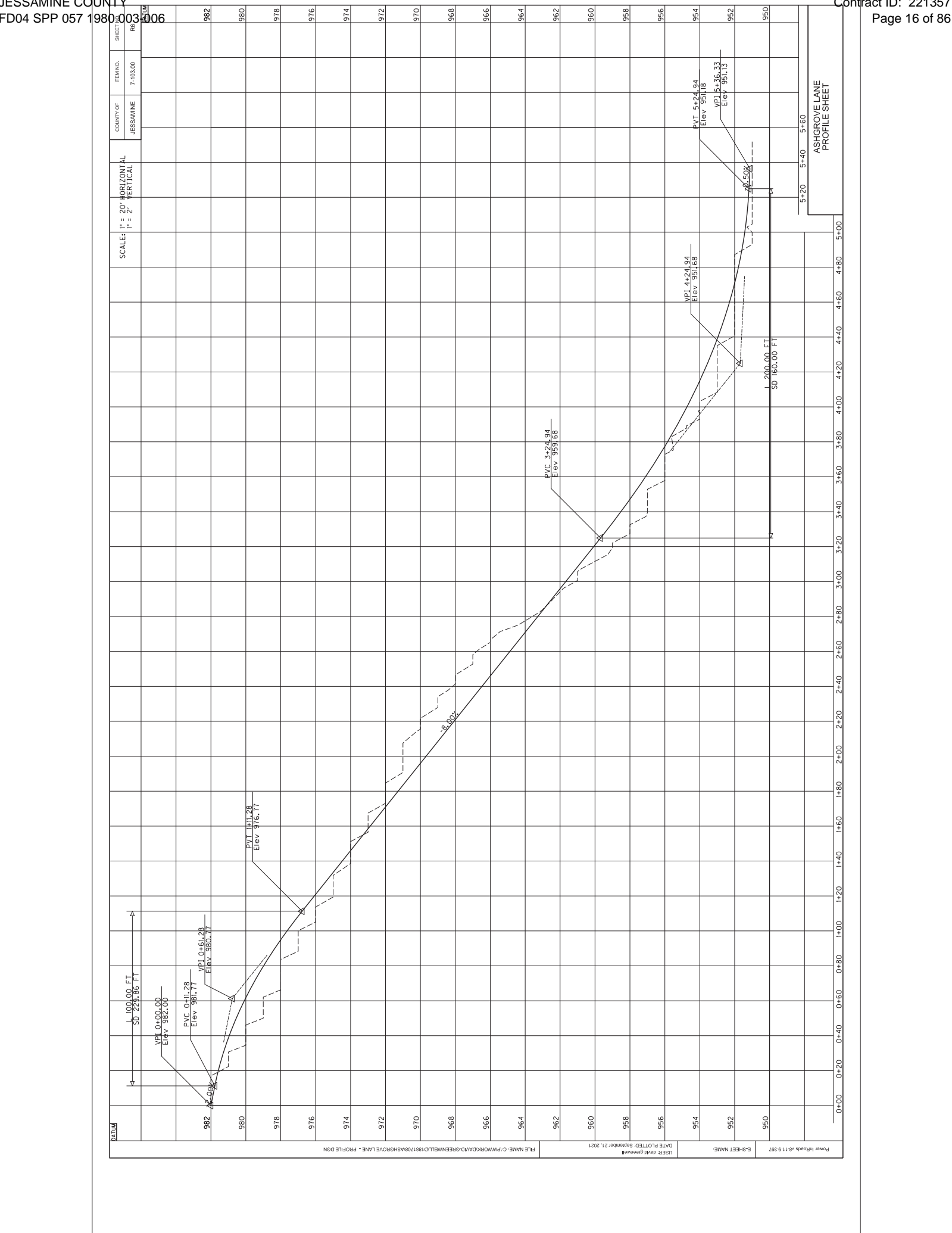
27







DATE	SCALE: 1" = 20' HORIZONTAL 1" = 2' VERTICAL	COUNTY OF JESSAMINE	ITEM NO. 7-103.00	SHEET NO. 106
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FILE NAME: C:\PWORK\DAVID.GREENWELL\01981708\ASHGROVE LANE - PROFILE.DGN
USER: david.greenwell
DATE PLOTTED: September 21, 2021
E-SHEET NAME: Power broads 18.11.3.297

COUNTY OF	ITEM NO.	SHEET NO.
JESSAMINE	7-103.00	R7

[illegible]

NOTE: PERMANENT R/W ACQUIRED + AREA SEVERED = TOTAL AREA OF TRACT.

TYPE SEWER SYSTEM

1. PRIVATE - INDIVIDUAL

2. PRIVATE - MULTI PARTY

3. PUBLIC

4. NONE

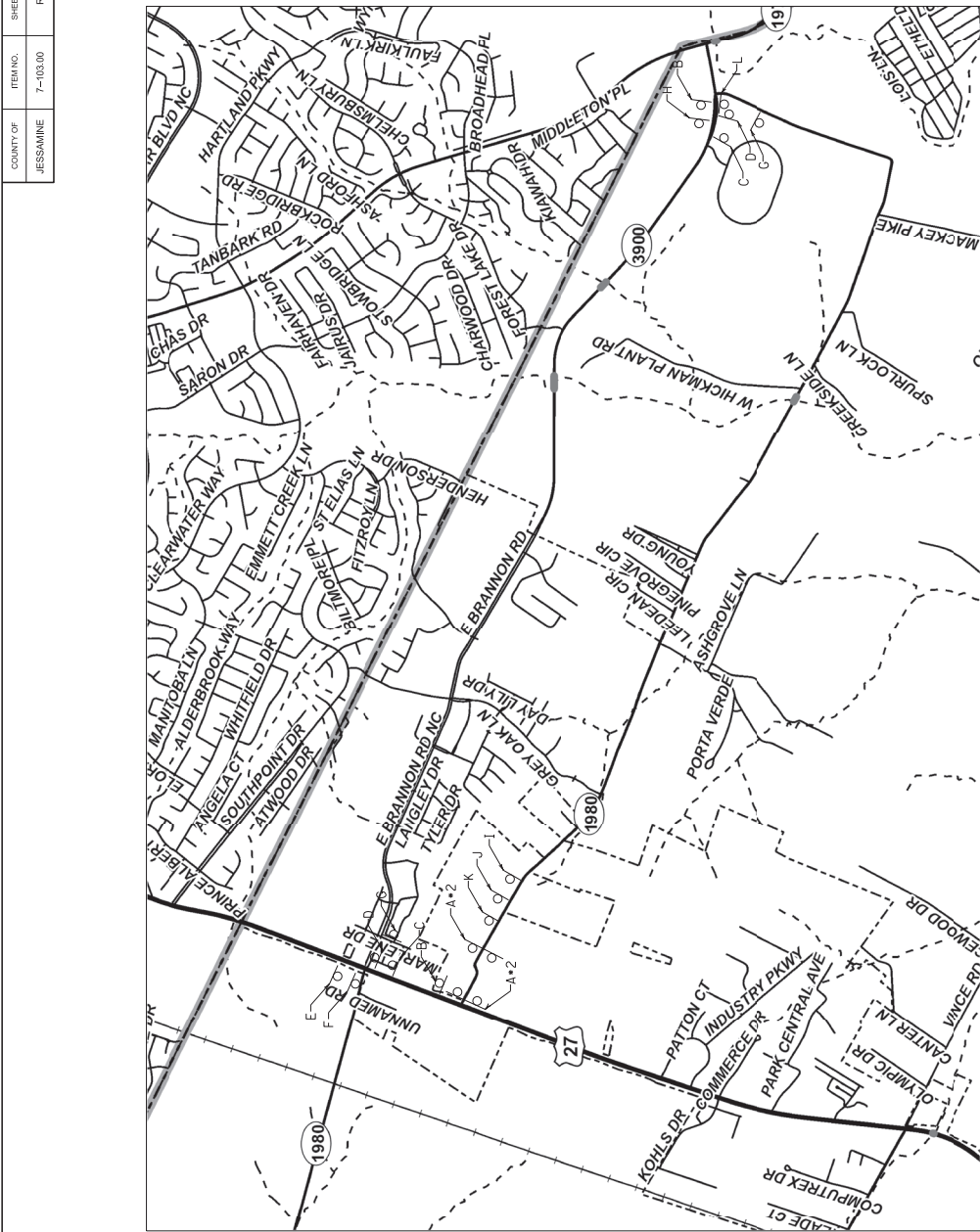
5. NOT APPLICABLE

BUILDINGS ACQUIRED CODE
C - COMMERCIAL
R - RESIDENTIAL
F - FARM
S - STORAGE

*INCLUDES HAZARDOUS WASTE
(UST - UNDERGROUND STORAGE TANKS)

RIGHT OF WAY SUMMARY SHEET

COUNTY OF	JESSAMINE
ITEM NO.	7-103.00
SHEET NO.	18



FOR MAINTENANCE OF
TRAFFIC ONLY

ASHGROVE PIKE
MAINTENANCE OF TRAFFIC

SCALE: 1"=

A



B



C



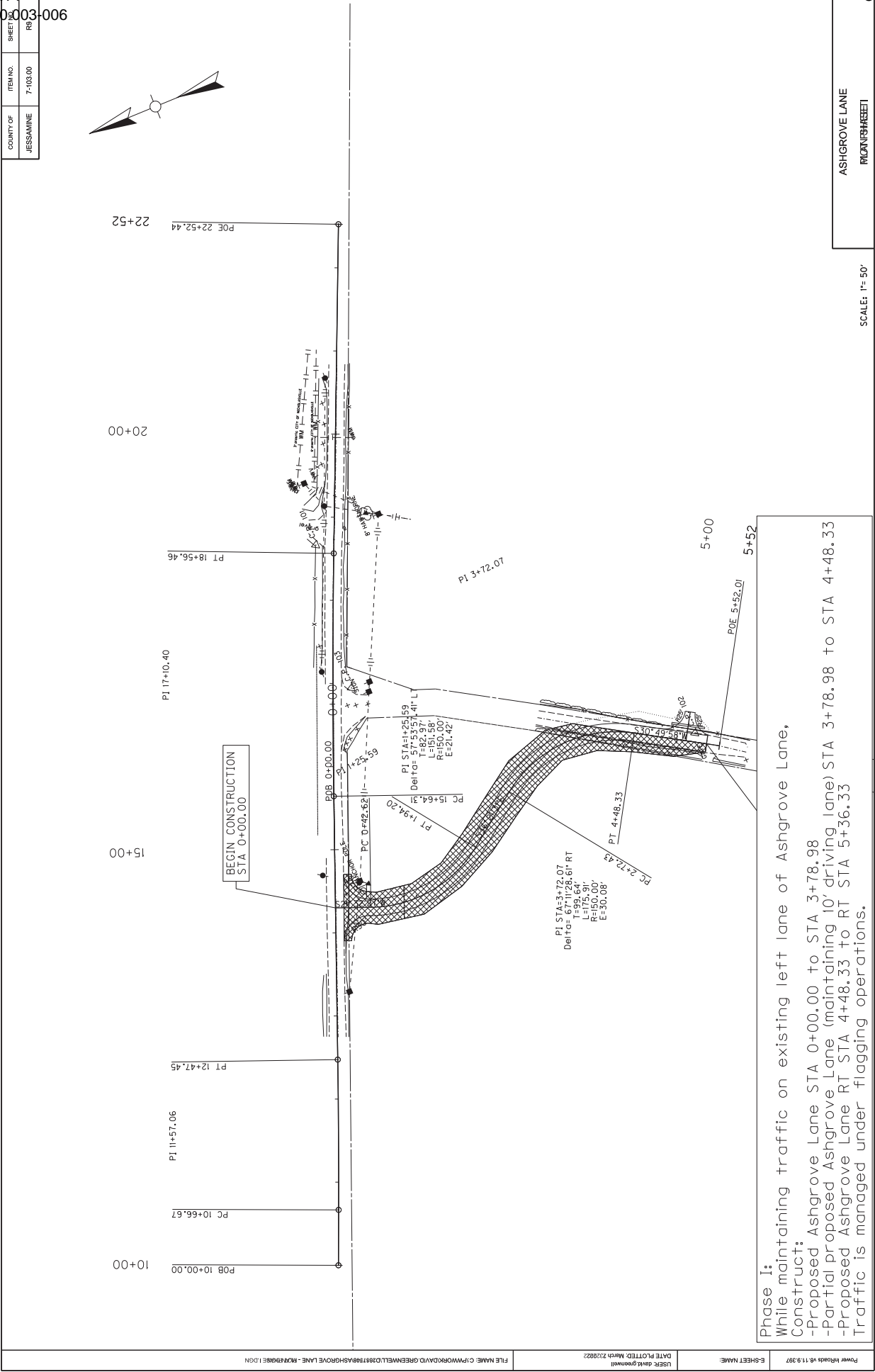
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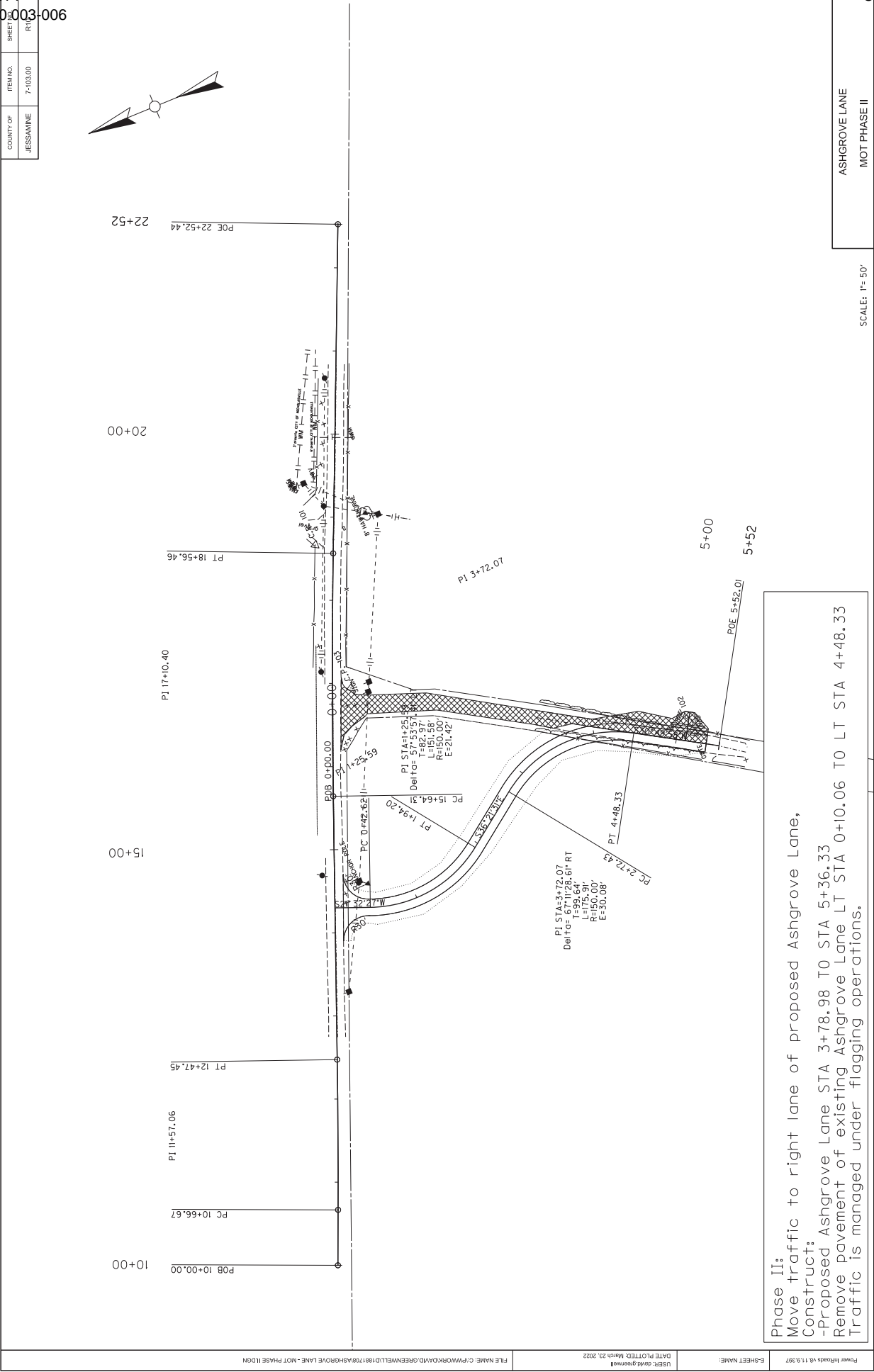


E



F



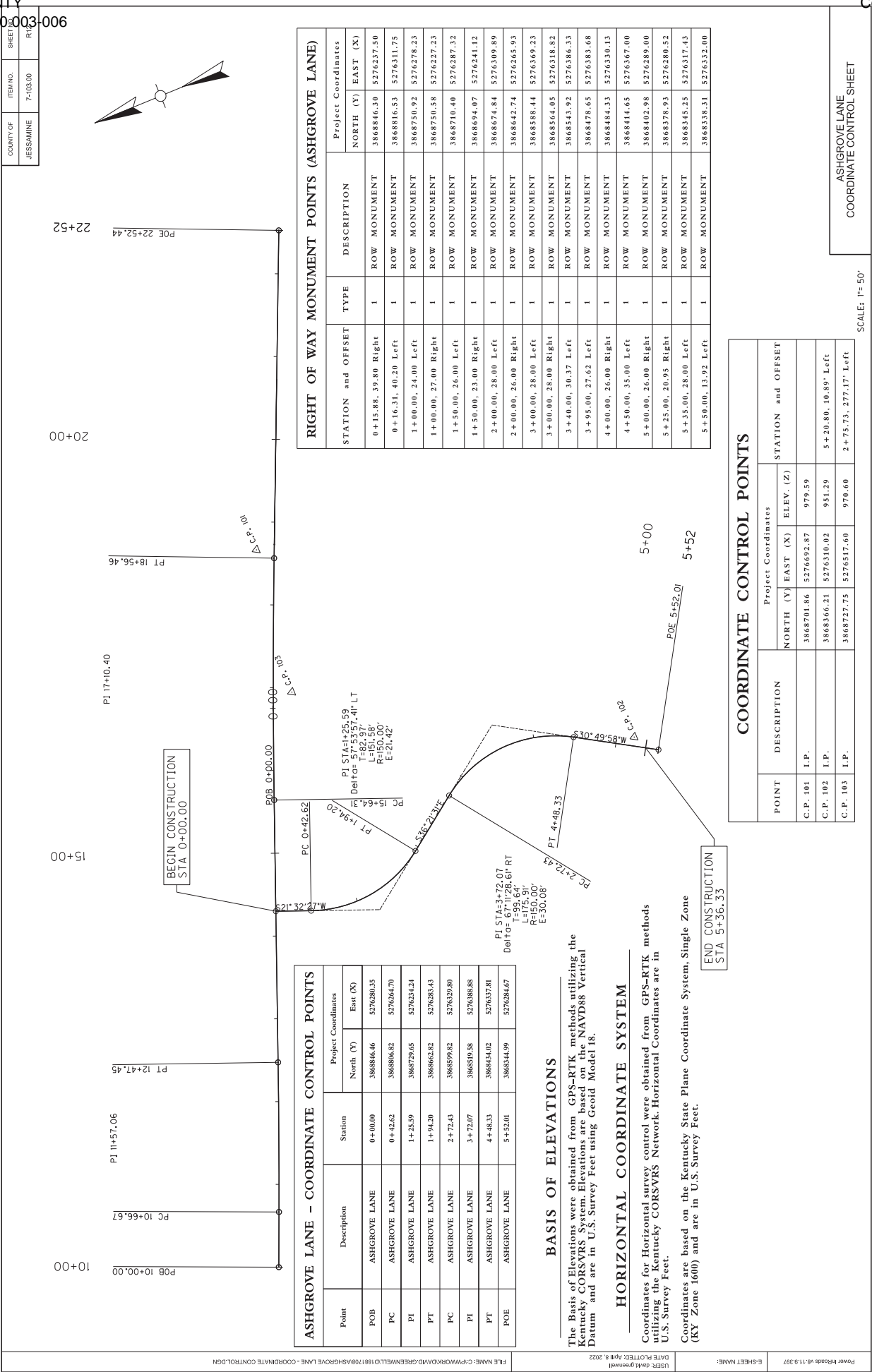


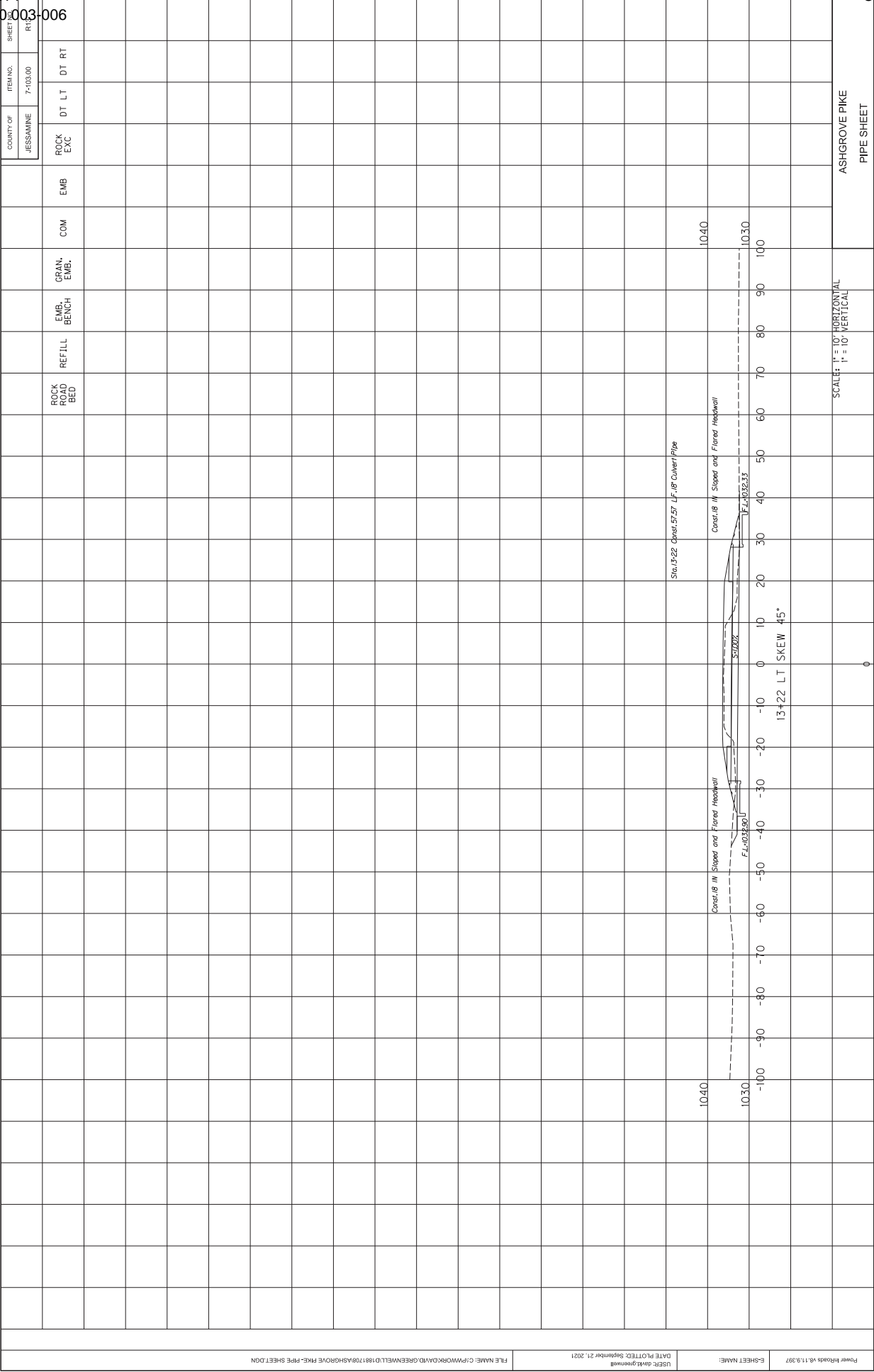
Point	Description	Station	Project Coordinates	
			North (Y)	East (X)
POB	ASHGROVE PIKE	10 + 00.00	3872261.17	5270533.39
PC	ASHGROVE PIKE	10 + 92.45	3872218.62	5270235.47
PI	ASHGROVE PIKE	11 + 72.62	3872181.73	5270066.64
PT	ASHGROVE PIKE	12 + 49.13	3872185.26	5270386.73
PC	ASHGROVE PIKE	13 + 53.37	3872189.84	5270490.87
PI	ASHGROVE PIKE	14 + 41.47	3872193.72	5270578.88
PT	ASHGROVE PIKE	15 + 24.74	3872149.40	5270655.02
PCE	ASHGROVE PIKE	16 + 25.00	3872098.96	5270741.66

Coordinates are based on the Kentucky State Plane Coordinate System, Single Zone (KY Zone 1600) and are in U.S. Survey Feet.

SCALE: 1"= 20'





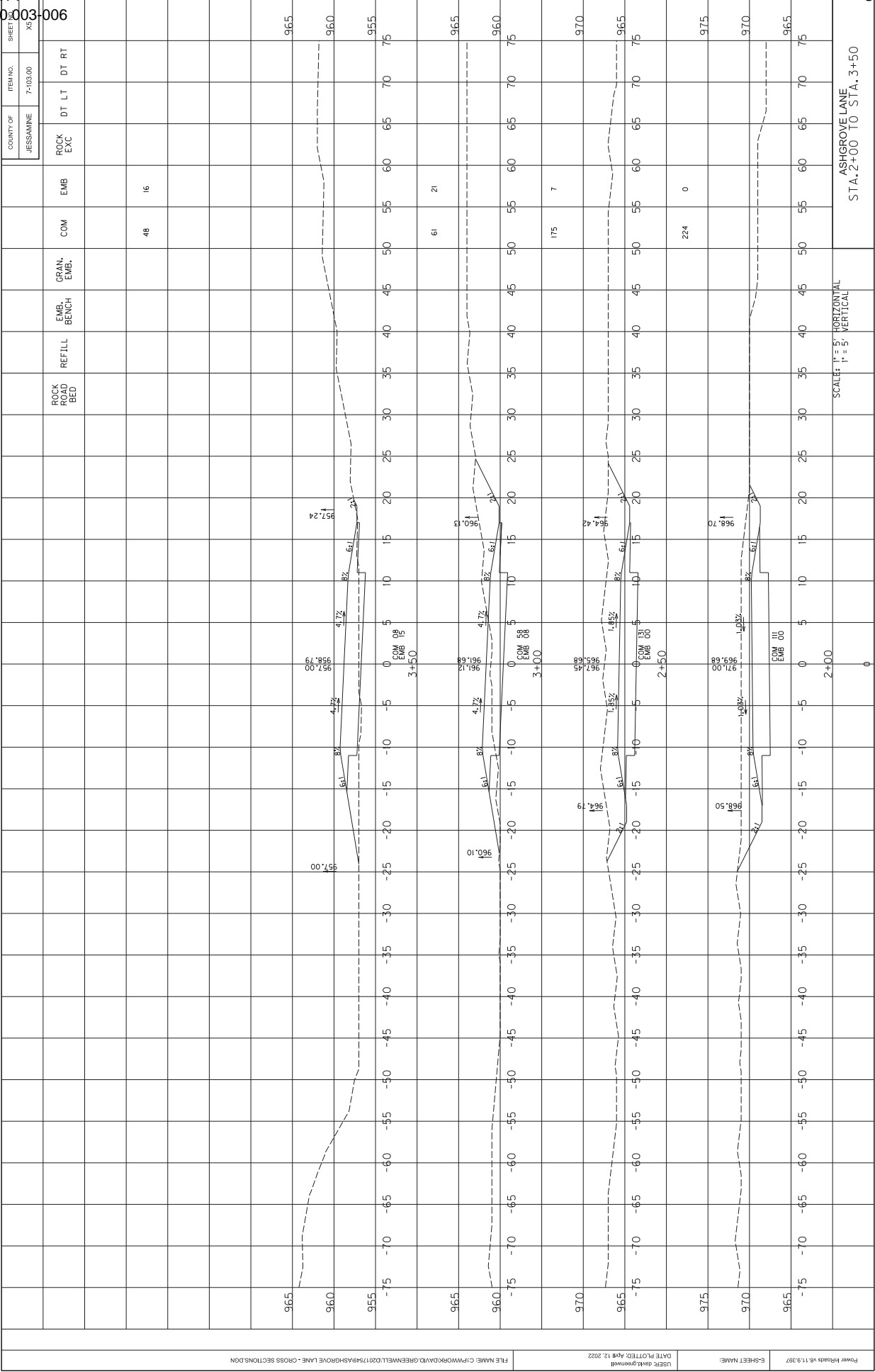


Power InRoads v8.11.3.397	E-SHEET NAME:	USER: dave11.greenwell DATE PLOTTED: September 23, 2021	FILE NAME: C:\PWORK\DAVID.GREENWELL\1881708\ASHGROVE PIKE - CROSS SECTIONS.DGN
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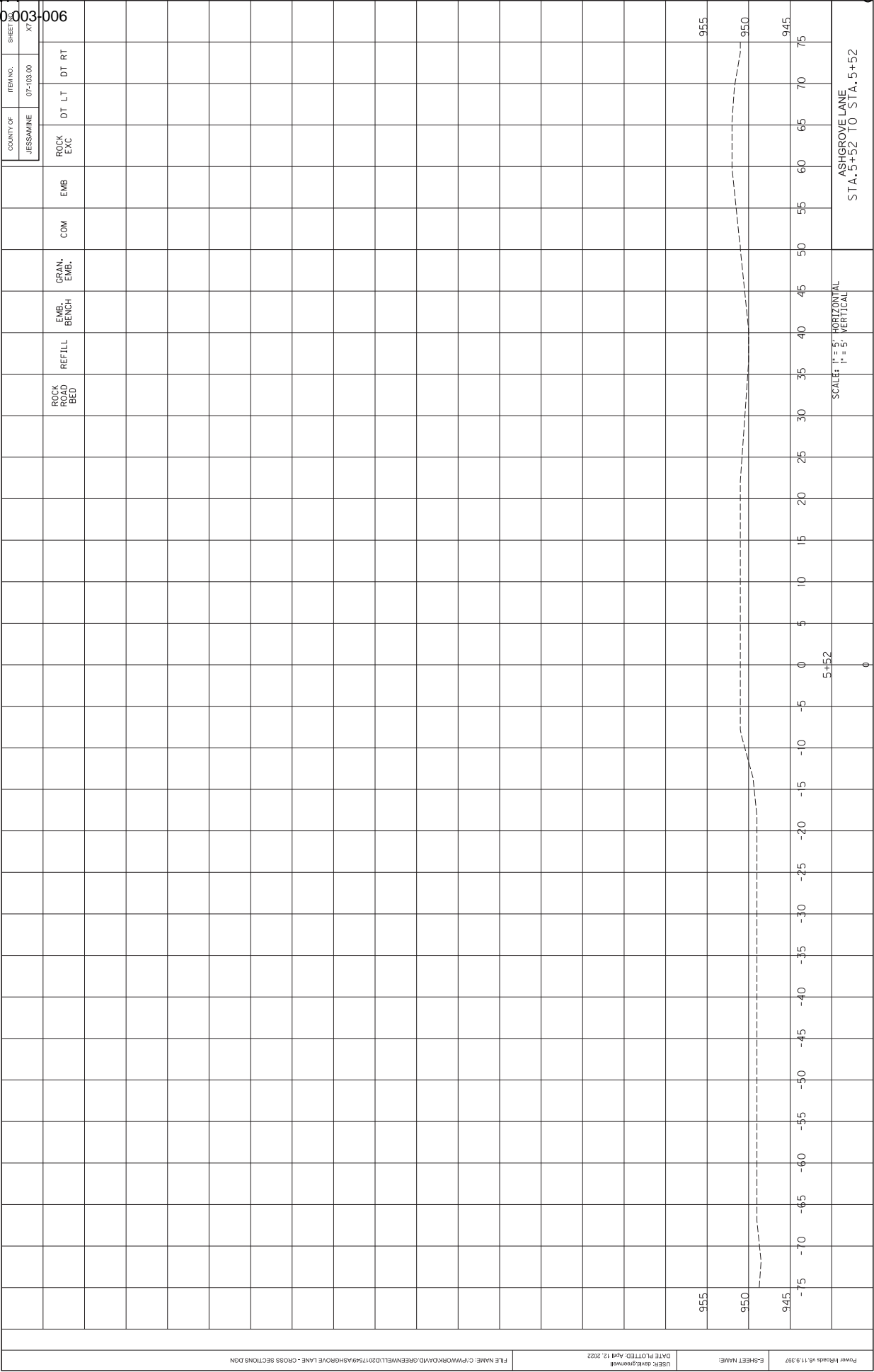
Power InRoads v8.11.9.397	E-SHEET NAME:	USER: daski@greenwell DATE PLOTTED: September 23, 2021	FILE NAME: C:\P\WORK\KIDAVID\GREENWELL\01881708\ASHGROVE PIKE - CROSS SECTIONS.DGN
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[illegible]

Power hbrads v8.11.9.397	E-SHEET NAME:	USER: dawi.greenwell DATE PLOTTED: April 12, 2022	FILE NAME: C:\PWORK\DAVID.GREENWELL\201754\ASHGROVE LANE - CROSS SECTIONS.DGN
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Power hbrads v8.11.9.397	E-SHEET NAME:	USER: dawi.greenwell DATE PLOTTED: April 12, 2022	FILE NAME: C:\PWORK\DAVID.GREENWELL\201754\ASHGROVE LANE - CROSS SECTIONS.DGN
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FILE NAME: C:\PWORK\DAVID.GREENWELL\020775\9A\ASHGROVE LANE - CROSS SECTIONS.DGN

USER: david.greenwell
DATE PLOTTED: April 12, 2022

E-SHEET NAME:
E-SHEET NO: 11.3.397

Power Roads 18.11.3.397

SPECIAL NOTE

For Tree Removal

**Jessamine County
MINOR WIDENING OF ASHGROVE ROAD (KY 1980)
FROM US 27 TO YOUNG DRIVE TO ACCOMMODATE
PROPOSED SCHOOL SITE TRAFFIC.
Item No. 07-103**

**NO CLEARING OF TREES 5 INCHES OR GREATER (DIAMETER BREAST
HEIGHT) FROM APRIL 1 THROUGH OCTOBER 14.**

**If there are any questions regarding this note, please contact Danny Peake, Director,
Division of Environmental Analysis, 200 Mero Street, Frankfort, KY 40601, Phone:
(502) 564-7250.**

SPECIAL NOTE FOR NON-TRACKING TACK COAT

1. DESCRIPTION AND USEAGE. This specification covers the requirements and practices for applying a non-tracking tack asphalt coating. Place this material on the existing pavement course, prior to placement of a new asphalt pavement layer. Use when expedited paving is necessary or when asphalt tracking would negatively impact the surrounding area. This material is not suitable for other uses. Ensure material can “break” within 15 minutes under conditions listed in 3.2.
2. MATERIALS, EQUIPMENT, AND PERSONNEL.

- 2.1 Non-Tracking Tack. Provide material conforming to Subsection 2.1.1.
- 2.1.1 Provide a tack conforming to the following material requirements:

Property	Specification	Test Procedure
Viscosity, SFS, 77 ° F	20 – 100	AASHTO T 72
Sieve, %	0.3 max.	AASHTO T 59
Asphalt Residue ¹ , %	50 min.	AASHTO T 59
Oil Distillate, %	1.0 max.	AASHTO T 59
Residue Penetration, 77 ° F	0 - 30	AASHTO T 49
Original Dynamic Shear (G*/sin δ), 82 ° C	1.0 min.	AASHTO T 315
Softening Point, ° F	149 min.	AASHTO T 53
Solubility, %	97.5 min.	AASHTO T 44

¹ Bring sample to 212 °F over a 10-15 minute period. Maintain 212 °F for 15-20 minutes or until 30-40 mL of water has distilled. Continue distillation as specified in T59.

- 2.2. Equipment. Provide a distributor truck capable of heating, circulating, and spraying the tack between 170 °F and 180 °F. Do not exceed 180 °F. Circulate the material while heating. Provide the correct nozzles that is recommend by the producer to ensure proper coverage of tack is obtained. Ensure the bar can be raised to between 14” and 18” from the roadway.
- 2.3. Personnel. Ensure the tack supplier has provided training to the contractor on the installation procedures for this product. Make a technical representative from the supplier available at the request of the Engineer.

3. CONSTRUCTION.

3.1 Surface Preparation. Prior to the application of the non-tracking tack, ensure the pavement surface is thoroughly dry and free from dust or any other debris that would inhibit adhesion. Clean the surface by scraping, sweeping, and the use of compressed air. Ensure this preparation process occurs shortly before application to prevent the return of debris on to the pavement. If rain is expected within one hour after application, do not apply material. Apply material only when the surface is dry, and no precipitation is expected.

- 3.2 Non-tracking Tack Application. Placement of non-tracking tack is not permitted from October 1st to May 15th. When applying material, ensure the roadway temperature is a minimum of 40°F and rising. Prior to application, demonstrate competence in applying the tack according to this note to the satisfaction of the Engineer. Heat the tack in the distributor to between 170 – 180 °F. After the initial heating, between 170 – 180 °F, the material may be sprayed between 165 °F and 180 °F. Do not apply outside this temperature range. Apply material at a minimum rate of 0.70 pounds (0.08 gallons) per square yard. Ensure full coverage of the material on the pavement surface. Full coverage of this material is critical. Increase material application rate if needed to achieve full coverage. Schedule the work so that, at the end of the day's production, all non-tracking tack is covered with the asphalt mixture. If for some reason the non-tracking tack cannot be covered by an asphalt mixture, ensure the non-tracking tack material is clean and reapply the non-tracking tack prior to placing the asphalt mixture. Do not heat material more than twice in one day.
- 3.3 Non-tracking Tack Certification. Furnish the tack certification to the Engineer stating the material conforms to all requirements herein prior to use.
- 3.4 Sampling and Testing. The Department will require a sample of non-tracking tack be taken from the distributor at a rate of one sample per 15,000 tons of mix. Take two 1 gallon samples of the heated material and forward the sample to the Division of Materials for testing within 7 days. Ensure the product temperature is between 170 and 180 °F at the time of sampling.
4. MEASUREMENT. The Department will measure the quantity of non-tracking tack in tons. The Department will not measure for payment any extra materials, labor, methods, equipment, or construction techniques used to satisfy the requirements of this note. The Department will not measure for payment any trial applications of non-tracking tack, the cleaning of the pavement surface, or furnishing and placing the non-tracking tack. The Department will consider all such items incidental to the non-tracking tack.
5. PAYMENT. The Department will pay for the non-tracking tack at the Contract unit bid price and apply an adjustment for each manufacturer's lot of material based on the degree of compliance as defined in the following schedule. Non-tracking tack will not be permitted for use from October 1st to May 15th. During this timeframe, the department will allow the use of an approved asphalt emulsion in lieu of a non-tracking tack product but will not adjust the unit bid price of the material. When a sample fails on two or more tests, the Department may add the deductions, but the total deduction will not exceed 100 percent.

Non-Tracking Tack Price Adjustment Schedule						
Test	Specification	100% Pay	90% Pay	80% Pay	50% Pay	0% Pay
Viscosity, SFS, 77 ° F	20 – 100	19 - 102	17 - 18	15 - 16	14	≤13
			103 - 105	106 - 107	108 - 109	≥ 110
Sieve, %	0.30 max.	≤ 0.40	0.41 - 0.50	0.51 - 0.60	0.61 - 0.70	≥ 0.71
Asphalt Residue, %	50 min.	≥49.0	48.5 – 48.9	48.0 – 48.4	47.5-47.9	≤ 47.4
Oil Distillate, %	1.0 max.	≤1.0	1.1-1.5	1.6 - 1.7	1.8-1.9	>2.0
Residue Penetration, 77 ° F.	30 max.	≤ 31	32 - 33	34 - 35	36 - 37	≥ 38
Original Dynamic Shear (G*/sin δ), 82 ° C	1.0 min.	≥0.95	0.92 – 0.94	0.90 – 0.91	0.85 - 0.89	≤ 0.84
Softening Point, ° F	149 min.	≥145	142 - 144	140 - 141	138 - 139	≤ 137
Solubility, %	97.5 min.	≥ 97.0	96.8 – 96.9	96.6 – 96.7	96.4 – 96.5	≤ 96.3

Code
24970EC

Pay Item
Asphalt Material for Tack Non-Tracking

Pay Unit
Ton

Revised: May 23, 2022

SPECIAL NOTES FOR SHOULDER FAILURE REPAIR

Repair locations listed in the summary are approximate only. The Engineer will determine actual shoulder failure repair locations at the time of construction. Excavate to an approximate depth of 12 inches below the top of the existing shoulder pavement level. Remove and dispose of all materials. Use all possible care to avoid damaging existing culvert pipes and any existing underground utilities. Repair or restore any damaged items at no additional cost to the Department. Waste all removed materials off the Right of Way at sites obtained by the Contractor at no additional cost to the Department (see Special Note for Waste and Borrow)

Backfill the excavated area with 6 inches of DGA and 6 inches of Class 2 Asphalt Base 0.75 D PG64-22 up to the existing shoulder pavement surface. Compact the asphalt base to the proper compaction as required by the Section 403 and seal with Leveling and Wedging. Perform all shoulder failure repairs in such a manner that removal and replacement are completed on the same day. Do this work as one of the Contractor's first operations. Do not place new asphalt surface over repaired shoulder failures until a minimum of 7 days has elapsed after placement of the asphalt base. Prior to constructing new asphalt shoulder surfacing, level and wedge any settlement of the repair areas.

The bidder must draw his own conclusions as to the conditions encountered. The Department does not give any guarantee as to the accuracy of the data and no claim will be considered for additional compensation of the materials encountered that are not in accord with the classification shown.

Payment at the Contract unit prices per square yard for "Shoulder Failure Repair" and per ton for "Leveling and Wedging" shall be full compensation for all labor, materials, equipment, and incidentals for excavating and disposing of all materials, furnishing and placing DGA and asphalt base backfilling the trench up to the top pavement boundary, sealing the repaired area with Leveling and Wdging, and all other items necessary to complete the work to the satisfaction of the Engineer.

SPECIAL NOTE FOR SHOULDER PREPARATION

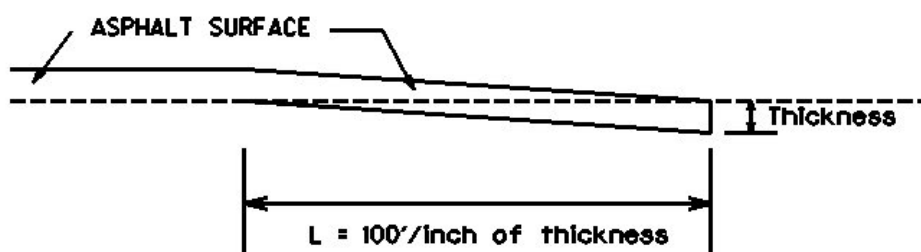
Grade, shape, and compact shoulder as shown on the typical section and as directed by the Engineer to provide proper template and foundation for the shoulder resurfacing. The Department will not measure grading, shaping, and compacting shoulders for separate payment, but shall be incidental to the asphalt base and/or surface placed on the shoulder.

1-3245 Shoulder Preparation Contractor
01/02/2012

SPECIAL NOTE FOR EDGE KEY

Construct Edge Keys at the beginning of project, end of project, at railroad crossings, and at ramps, as applicable. Unless specified in the Contract or directed by the Engineer, do not construct edge keys at intersecting streets, roads, alleys, or entrances. Cut out the existing asphalt surface to the required depth and width shown on the drawing and heel the new surface into the existing surface. The Department will make payment for this work at the Contract unit price per ton for Asphalt Pavement Milling and Texturing, which shall be full compensation for all labor, materials, equipment, and incidentals for removal and disposal of the existing asphalt surface required to construct the edge key.

EDGE KEY



Thickness = 1 Inch

L = 100 LF

L= Length of Edge Key

SPECIAL NOTES FOR REMOVAL OF GUARDRAIL TO ACCOMMODATE TRENCHING AND SHOULDER PAVING OPERATIONS

If necessary to accommodate trenching and shoulder paving operations and with prior approval of the Engineer, the Contractor may remove the existing guardrail system rail elements and offset blocks. Do not disturb guardrail posts, bridge end connectors, terminal sections, and/or end treatments. Perform all guardrail removal operations under the same full lane closure required for the trenching or paving operations. Remove the guardrail immediately in front of the trenching operation and reset the guardrail immediately after the operation has passed. If the trenching and the paving operations at the site of the guardrail removal are scheduled to be accomplished on the same day, the Contractor may leave the guardrail removed during the interval between the operations only when the operations are being performed under a single lane closure. Do not leave guardrail down overnight or at other times when operations are not actually in progress.

When resetting guardrail, do not leave blunt ends exposed where they would be hazardous to the public. If left in place between the trenching and paving operations, protect exposed ends protected with a temporary end treatment installed by connecting at least 25 feet of rail to the exposed end, and by slightly flaring, and burying the end of the rail completely into the existing shoulder. Place a drum with bridge panel in advance of the guardrail end and maintain during the interval between the trenching and paving operations.

Reset the guardrail to the lines and grades existing immediately prior to removal as shown on current Standard and Sepia Drawings or as designated by the Engineer. The Engineer will check the existing guardrail to be removed and reset before removal begins. If components are found missing or damaged to the extent that they cannot be reused, the Department will furnish the necessary parts and materials to the Contractor for installation when the guardrail is reset. The Department will make these parts available to the Contractor at the Department's Jessamine County Maintenance facility. Be responsible for all damage to the existing guardrail system resulting from the work. Replace any parts that are damaged or lost during the guardrail removal and replacement process. Correct any vertical or horizontal misalignment not present prior to removal by any method approved by the Engineer, which allows the construction of the guardrail to the true grade and prevents apparent sags.

The Department will not measure removing and resetting the existing guardrail, replacing guardrail components that were damaged or missing prior to project with components furnished by the Department, furnishing and installing parts lost or damaged by the Contractor, and providing and maintaining a temporary end treatment with drum and panel, but shall be incidental to other items of work, as applicable.

SPECIAL NOTE FOR ASPHALT MILLING AND TEXTURING

Begin paving operations within **48 hours** of commencement of the milling operation. Continue paving operations continuously until completed. If paving operations are not begun within this time period, the Department will assess liquidated damages at the rate prescribed by Section 108.09 until such time as paving operations are begun.

Take possession of the millings and recycle the millings or dispose of the millings off the Right-of-Way at sites obtained by the Contractor at no additional cost to the Department.

1-3520 48 hours Contractor keeps millings
01/2/2012

SPECIAL NOTE FOR TYPICAL SECTION DIMENSIONS

Consider the dimensions shown on the typical sections for pavement and shoulder widths and thickness' to be nominal or typical dimensions. The Engineer may direct or approve varying the actual dimensions to be constructed to fit existing conditions. Do not widen existing pavement or shoulders unless specified elsewhere in this proposal or directed by the engineer.

1-3725 Typical Section Dimensions
01/02/2012

TRAFFIC CONTROL PLAN

TRAFFIC CONTROL GENERAL

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

Contrary to Section 106.01, 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.

PROJECT PHASING & CONSTRUCTION PROCEDURES

The Engineer may specify days and hours when lane closures will not be allowed.

Maintain alternating one way traffic during construction. Provide a minimum clear lane width of 9 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 on an official run arrives on the scene, make provisions for the passage of the bus as quickly as possible.

LANE CLOSURES

Do not leave lane closures in place during non-working hours.

SIGNS

Sign posts and splices shall be compliant with NCHRP 350 or MASH. Manufacturer's documentation validating this compliance shall be provided to the Engineer prior to installation. Signs, including any splices, shall be installed according to manufacturer's specifications and installation recommendations. Contrary to section 112.04.02, only long-term signs (signs intended to be continuously in place for more than 3 days) will be measured for payment. Short-term signs (signs intended to be left in place for 3 days or less) will not be measured for payment but will be incidental to Maintain and Control Traffic.

CHANGEABLE MESSAGE SIGNS

If deemed necessary by the Engineer, the Department will furnish, operate, and maintain Changeable Message Signs.

Traffic Control Plan
Page 2 of 4

TEMPORARY ENTRANCES

The Engineer will not require the Contractor to provide continuous access to farms, single family, duplex, or triplex residential properties during working hours; however, provide reasonable egress and ingress to each such property when actual operations are not in progress at that location. Limit the time during which a farm or residential entrance is blocked to the minimum length of time required for actual operations, not extended for the Contractor's convenience, and in no case exceeding six (6) hours. Notify all residents twenty-four hours in advance of any driveway or entrance closings and make any accommodations necessary to meet the access needs of disabled residents.

Except as allowed by the Phasing as specified above, maintain direct access to all side streets and roads, schools, churches, commercial properties and apartments or apartment complexes of four or more units at all times.

The Department will measure asphalt materials required to construct and maintain any temporary entrances which may be necessary to provide temporary access; however, the Department will not measure aggregates, excavation, and/or embankment, but shall be incidental to Maintain and Control Traffic. The Engineer will determine the type of surfacing material, asphalt or aggregate, to be used at each entrance.

TRAFFIC SIGNAL LOOPS

Install traffic signal loops according to the Special Notes for Traffic Signal Loop Replacement. Coordinate the placement of the loops with the Engineer.

TRAFFIC COUNTING INDUCTANCE LOOPS AND AXLE SENSORS

Install traffic counting loops and axle sensors according to the Special Notes for Installation of Traffic Counting Inductance Loops and Axle Sensors. Coordinate the placement of the loops and sensors with the Engineer.

THERMOPLASTIC INTERSECTION MARKINGS

Consider the locations listed on the summary as approximate only. Prior to milling and/or resurfacing, locate and document the locations of the existing markings. After resurfacing, replace the markings at their approximate existing locations or as directed by Engineer. Place markings not existing prior to resurfacing as directed by the Engineer.

BARRICADES

The Department will not measure barricades used in lieu of barrels and cones for channelization or

Traffic Control Plan
Page 3 of 4

delineation, but shall be incidental to Maintain and Control Traffic according to Section 112.04.01.

The Department will measure barricades used to protect pavement removal areas in individual units Each. The Department will measure for payment the maximum number of barricades in concurrent use at the same time on a single day on all sections of the contract. The Department will measure individual barricades only once for payment, regardless of how many times they are set, reset, removed, and relocated during the duration of the project. The Department will not measure replacements for damaged barricades the Engineer directs to be replaced due to poor condition or reflectivity. Retain possession of the Barricades upon completion of construction.

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 the final surface course.

Install Temporary Striping according to Section 112 with the following exception:

If the Contractor's operations or phasing requires temporary markings that must subsequently be removed from the final surface course, 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 traffic is expected to cross in a lane change situation with an elevation difference greater than 1½". Place Warning signs (MUTCD 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 unresurfaced 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" - No protection required.

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. Wedge the drop-off with DGA or asphalt mixture for leveling and wedging with a 1:1 or flatter slope in daylight hours, or 3:1 or flatter slope during nighttime hours, when work is not active in the drop-off area.

Traffic Control Plan

Page 4 of 4

Greater than 4" - Protect drop-offs greater than 4 inches within 10 feet of traffic by placing drums, vertical panels, or barricades every 25 feet. The Engineer will not allow the use of cones in lieu of drums, vertical panels, or barricades for drop-offs greater than 4". Place Type III Barricades directly in front of the drop-off facing on coming traffic in both directions of travel. Provide warning signs as shown on the Standard Drawings or as directed by the Engineer

Pedestrians & Bicycles - Protect pedestrian and bicycle traffic as directed by the engineer.

1-3820 Traffic Control Plan 2 Lane
7/28/2017

SPECIAL NOTE FOR TRENCHING


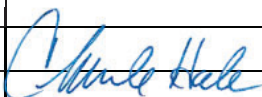
Trench shoulders as shown on the typical section. Retain possession of materials excavated from the trench. Waste the excavated materials off the right-of-way at sites obtained by the Contractor, at no additional cost to the Department. See Special Note for Waste and Borrow.

The Department will measure "Trenching" in linear feet at the pavement/shoulder edge. Accept payment at the contract unit price per linear foot as full compensation for all labor, materials, equipment and incidentals for excavating the shoulder trench and disposing of waste.

1-3920 trenchingwastematerialoffrw
01/02/2012

KENTUCKY TRANSPORTATION CABINET
Department of Highways
DIVISION OF RIGHT OF WAY & UTILITIESTC 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)
7-103.00	Jessamine	1100 FD04 057 1296701R	N/A
PROJECT DESCRIPTION			
KY 1980 - Ashgrove Pike - Curve realignment project			
<input 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 checked="" 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	4	EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
Number of Parcels That Have Been Acquired			
Signed Deed	2		
Condemnation		Parcel 1 - APN Real Estate; Parcel 2 - Greyson 27	
Signed ROE	2		Parcel 1 ROE obtained on 4/27/2022; Parcel 2 ROE obtained on 11/2/2022
Notes/ Comments (Text is limited. Use additional sheet if necessary.)			
Parcel 2 - Greyson 27 - Title obtained on suit parcel without court filing. Settlement amount is agreed upon, approved by Central Office Right of Way, and being processed.			
LPA RW Project Manager		Right of Way Supervisor	
Printed Name		Printed Name	Cecil Smith
Signature		Signature	 Digitally signed by Cecil D. Smith Date: 2022.11.03 10:25:16 -04'00'
Date		Date	11/3/2022
Right of Way Director		FHWA	
Printed Name	2022.11.03	Printed Name	
Signature	 10:28:10	Signature	
Date	-04'00'	Date	

UTILITIES AND RAIL CERTIFICATION NOTE

Jessamine County
FD04 057 1296701D
Mile point: 003 TO 006
MINOR WIDENING OF ASHGROVE ROAD (KY1980) FROM US 27 TO YOUNG DRIVE TO ACCOMMODATE
PROPOSED SCHOOL SITE TRAFFIC
ITEM NUMBER: 07-103.00

PROJECT NOTES ON UTILITIES

For all projects under 2000 Linear feet which require a normal excavation locate request pursuant to KRS 367.4901-4917, the awarded contractor shall field mark the proposed excavation or construction boundaries of the project (also called white lining) using the procedure set forth in KRS 367.4909(9)(k). For all projects over 2000 linear feet, which are defined as a "Large Project" in KRS 367.4903(18), the awarded contractor shall initially mark the first 2000 linear feet minimally of proposed excavation or construction boundaries of the project to be worked using the procedure set forth in KRS 367.4909(9)(k). This temporary field locating of the project excavation boundary shall take place prior to submitting an excavation location request to the underground utility protection Kentucky Contact Center. For large projects, the awarded contractor shall work with the impacted utilities to determine when additional white lining of the remainder of the project site will take place. This provision shall not alter or relieve the awarded contractor from complying with requirements of KRS 367.4905 to 367.4917 in their entirety.

Please Note: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his activities. The contractor will coordinate his activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs. The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

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

UTILITIES AND RAIL CERTIFICATION NOTE

Jessamine County
FD04 057 1296701D
Mile point: 003 TO 006
MINOR WIDENING OF ASHGROVE ROAD (KY1980) FROM US 27 TO YOUNG DRIVE TO ACCOMMODATE
PROPOSED SCHOOL SITE TRAFFIC
ITEM NUMBER: 07-103.00

with federal and state damage prevention directives. The contractor is instructed to contact KY 811 for the location of existing underground utilities. Contact shall be made a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY 811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom are to be contacted through their individual Protection Notification Center. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area. Non-compliance with these directives can result in the enforcement of penalties.

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

- Kentucky Utilities - Electric Distrib
- Spectrum - Charter Communications - CATV
- Windstream Holdings II, LLC - Communication
- Bluegrass Energy - Electric
- Jessamine County Water District #1 - Water
- Columbia Gas of Kentucky - Natural Gas
- Delta Natural Gas Company, Inc. - Natural Gas

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

UTILITIES AND RAIL CERTIFICATION NOTE

<p>Jessamine County FD04 057 1296701D Mile point: 003 TO 006 MINOR WIDENING OF ASHGROVE ROAD (KY1980) FROM US 27 TO YOUNG DRIVE TO ACCOMMODATE PROPOSED SCHOOL SITE TRAFFIC ITEM NUMBER: 07-103.00</p>
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THE FOLLOWING FACILITY OWNERS ARE RELOCATING/ADJUSTING THEIR FACILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

Not Applicable

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

UTILITIES AND RAIL CERTIFICATION NOTE

Jessamine County
FD04 057 1296701D
Mile point: 003 TO 006
MINOR WIDENING OF ASHGROVE ROAD (KY1980) FROM US 27 TO YOUNG DRIVE TO ACCOMMODATE
PROPOSED SCHOOL SITE TRAFFIC
ITEM NUMBER: 07-103.00

☒ No Rail Involvement ☐ Rail Involved ☐ Rail Adjacent

AREA FACILITY OWNER CONTACT LIST

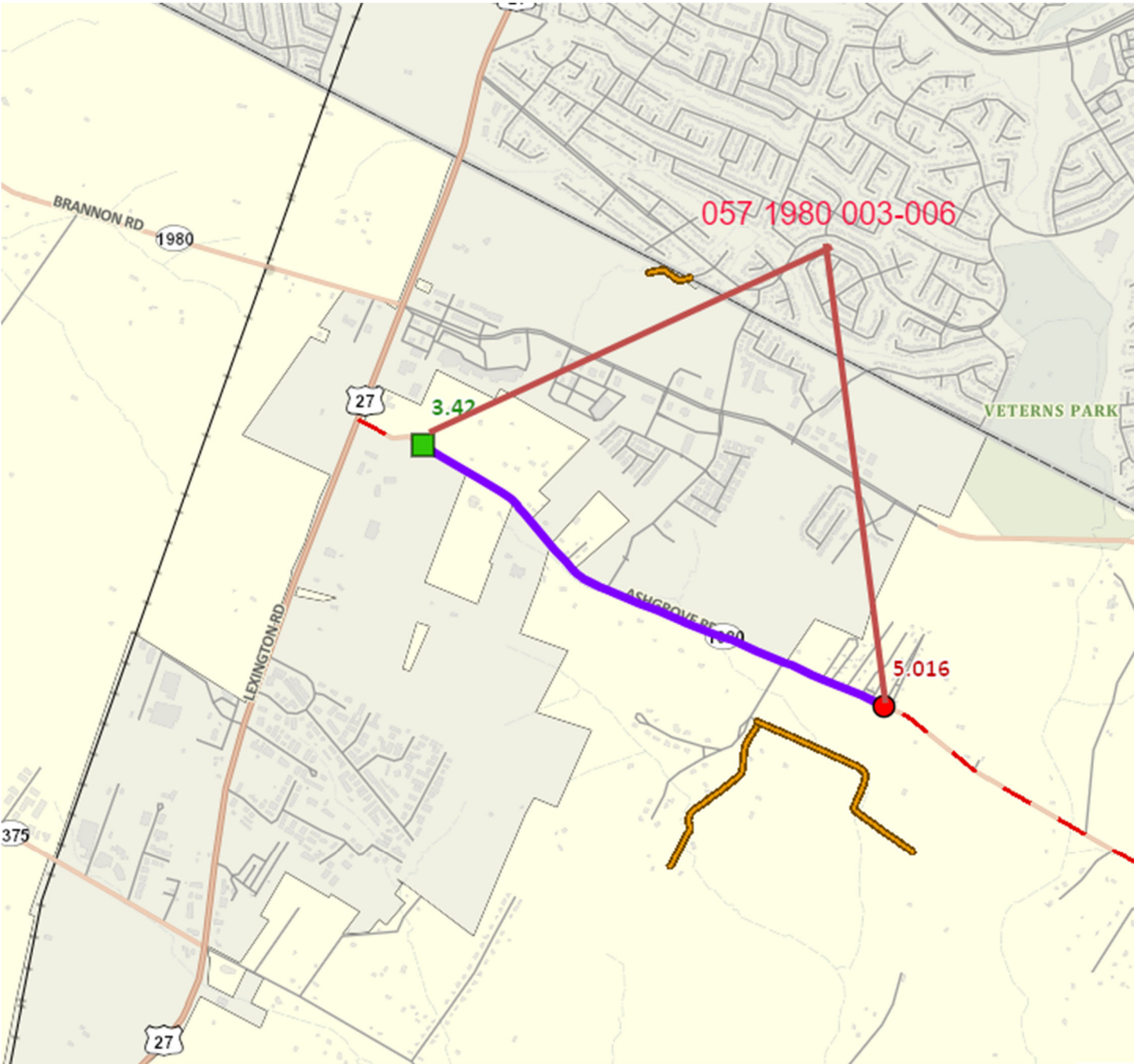
Facility Owner	Address	Contact Name	Phone	Email
Columbia Gas of Kentucky - Natural Gas	PO Box 14241 Lexington KY 40512	David Lemons	8592880249	DNLemons@nisource.com
Bluegrass Energy - Electric	1201 Lexington Road, P.O. Box 990 Nicholasville KY 40340	Tony Smith	8598852134	tonys@bgenergy.com
Delta Natural Gas Company, Inc. – Natural Gas	3617 Lexington Road Winchester KY 40391	Robert Nellipowitz	8597446171	rnellipowitz@deltagas.com
Jessamine County Water District #1 - Water	2225 Lexington Road Nicholasville KY 40356	Carl Waits	8598859314	carl.waits@twc.com
Jessamine South Elkhorn Water District - Water	802 South Main Street Nicholasville KY 40356	Nick Strong	8598810589	noemailnoted@windstream.net
Kentucky Utilities - Electric Distrib	820 W. Broadway Louisville KY 40202	Caroline Justice	5026273708	Caroline.Justice@lge-ku.com

UTILITIES AND RAIL CERTIFICATION NOTE

Jessamine County
FD04 057 1296701D
Mile point: 003 TO 006
MINOR WIDENING OF ASHGROVE ROAD (KY1980) FROM US 27 TO YOUNG DRIVE TO ACCOMMODATE
PROPOSED SCHOOL SITE TRAFFIC
ITEM NUMBER: 07-103.00

Metro Net - Communication	130 W. Tiverton Way Lexington KY 40503	Ray Curtis	8132131685	ray.curtis@metronetinc.com
Spectrum - Charter Communications - CATV	1617 Foxhaven Dr. Richmond KY 40475	Mike Todd	8596877419	Mike.Todd@charter.com
Windstream Holdings II, LLC - Communication	130 West New Circle Road Lexington KY 40505	Steve Johnson	8593576209	steve.johnson@windstream.com

JESSAMIE COUNTY



Project Area Summary Report

Project:

County: Jessamine

District: D7 - Lexington

Start MP	End MP	Inside Shoulder DGA	Inside Shoulder ASPH	Mainline Width (FT)	Outside Shoulder ASPH	Outside Shoulder DGA	Mainline Area (SY)	Shoulder ASPH Area (SY)	Shoulder DGA Area (SY)
3.420	4.050	1	1	20	1	1	370	740	740
4.220	5.016	1	1	20	1	1	467	934	934
4.050	4.220			32			100	0	0

Mainline Area (SY)	21,915.52	Shoulder DGA Area (SY)	1,674
Shoulder ASPH Area (SY)	1,674		

Description	Unit	Quantity

Guardrail Summary Sheet

Project:

County: Jessamine

District: D7 - Lexington

Road Direction	Start MP	END MP	Comments	GUARDRAIL END TREATMENT TYPE 1 CR	REMOVE GUARDRAIL END TREATMENT	REMOVE & RESET GUARDRAIL
North Bound	4.446	4.488		1	1	225
Total:				1	1	225

Base Failure Summary Sheet

Project:

County: Jessamine

District: D7 - Lexington

Direction	Milepoint	Length (ft)	Width (ft)	Assumed Depth (in)	Total Sq. Yards	NoBid Item
North Bound	3.420	3,326.4	1	6	370	0
North Bound	4.220	4,203	1	6	467	0
South Bound	3.420	3,326	1	6	370	0
South Bound	4.220	4,203	1	6	467	0
				Total:	1,674	0

Project:

County: Jessamine

District: D7 - Lexington

Mile Point	Notes	Length	Width	Avg Depth	Tons
3.520	Edge Key at Bethel Harvest Drive	96	2	1	1.2
4.122	Edge Key at Grey Oak Lane	70	2	1	0.9
4.880	Edge Key at Pine Grove Road	29	2	1	0.4
4.940	Edge Key at Cool Breez Drive	29	2	1	0.4
4.970	Edge Key at Flagship Drive	22	2	1	0.3
5.016	Edge Key at Young Drive	100	22	1	13.4
				Total:	16.6

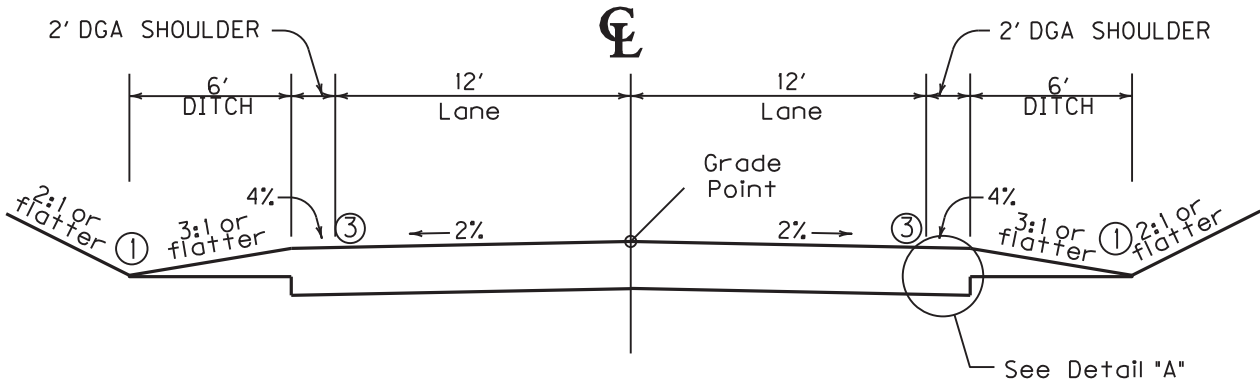
Project:

County: Jessamine

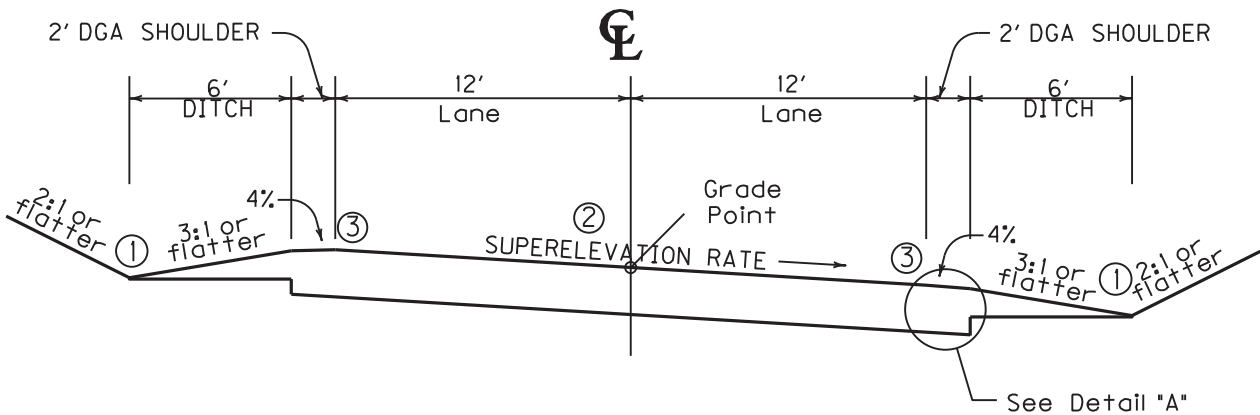
District: D7 - Lexington

Milepoint	Location	Notes	PAVE MARKIN G- THERMO CURV ARROW
4.130	GREY OAK LANE	Right Turn Arrow	1
Total:			1

COUNTY OF	ITEM NO.
JESSAMINE	7-103.00

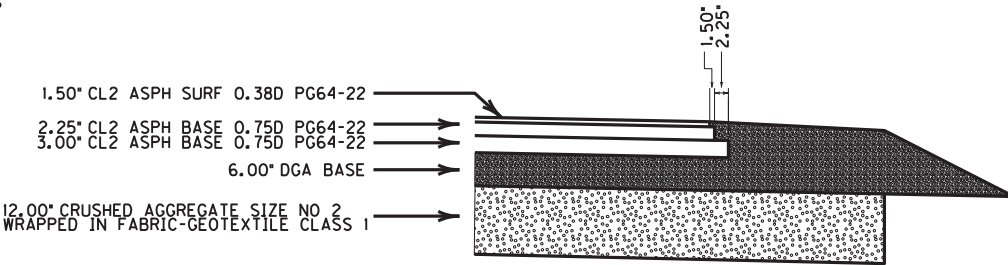


NORMAL SECTION



SUPERELEVATED SECTION

- ① See Cross Sections for Slopes Outside the Limits of the Shoulder
- ② See Cross Sections for Superelevation Rates
- ③ Edgeline Rumble Strips



DETAIL 'A'

~PAVEMENT SCHEDULE ~

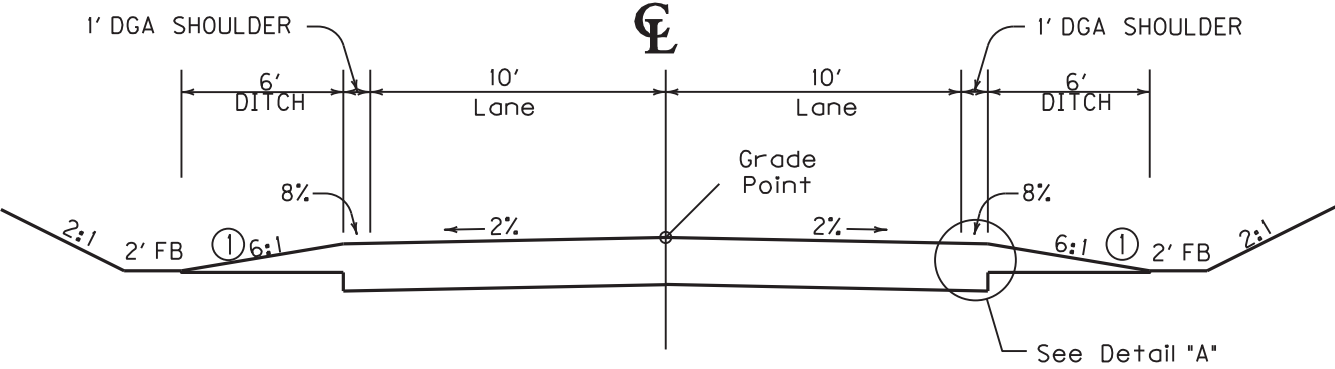
APPROXIMATELY 23.25" BASE	12.00" CRUSHED AGGREGATE SIZE NO 2 WRAPPED IN FABRIC-GEOTEXTILE CLASS 1
	6.00" DGA BASE
	3.00" CL2 ASPH BASE 0.75D PG64-22
	2.25" CL2 ASPH BASE 0.75D PG64-22
APPROXIMATELY 1.50" SURFACE	1.50" CL2 ASPH SURF 0.38D PG64-22

NOT TO SCALE

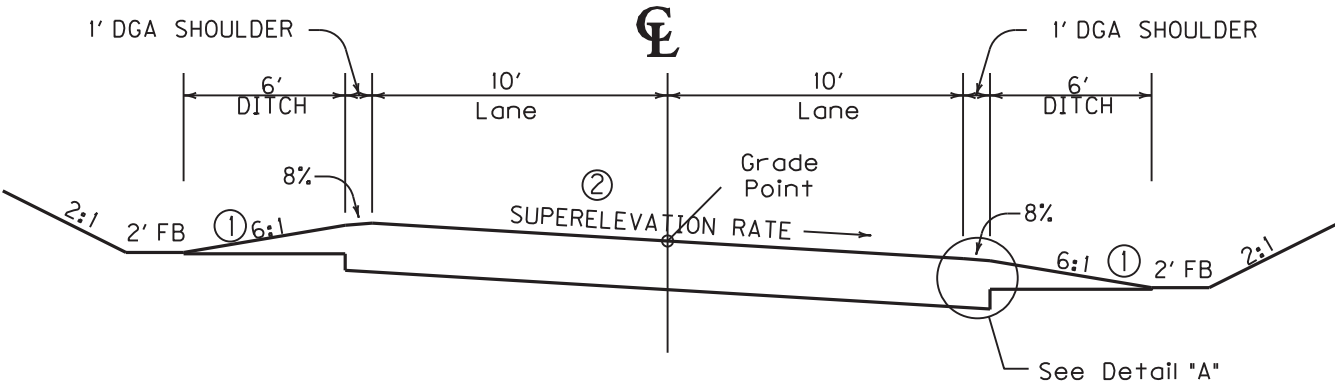
ASHGROVE PIKE

TYPICAL SECTION

COUNTY OF	ITEM NO.
JESSAMINE	7-103.00

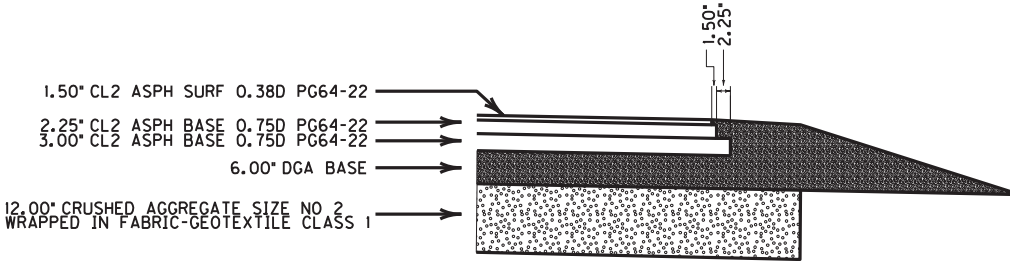


NORMAL SECTION



SUPERELEVATED SECTION

- ① See Cross Sections for Slopes Outside the Limits of the Shoulder
- ② See Cross Sections for Superelevation Rates



DETAIL 'A'

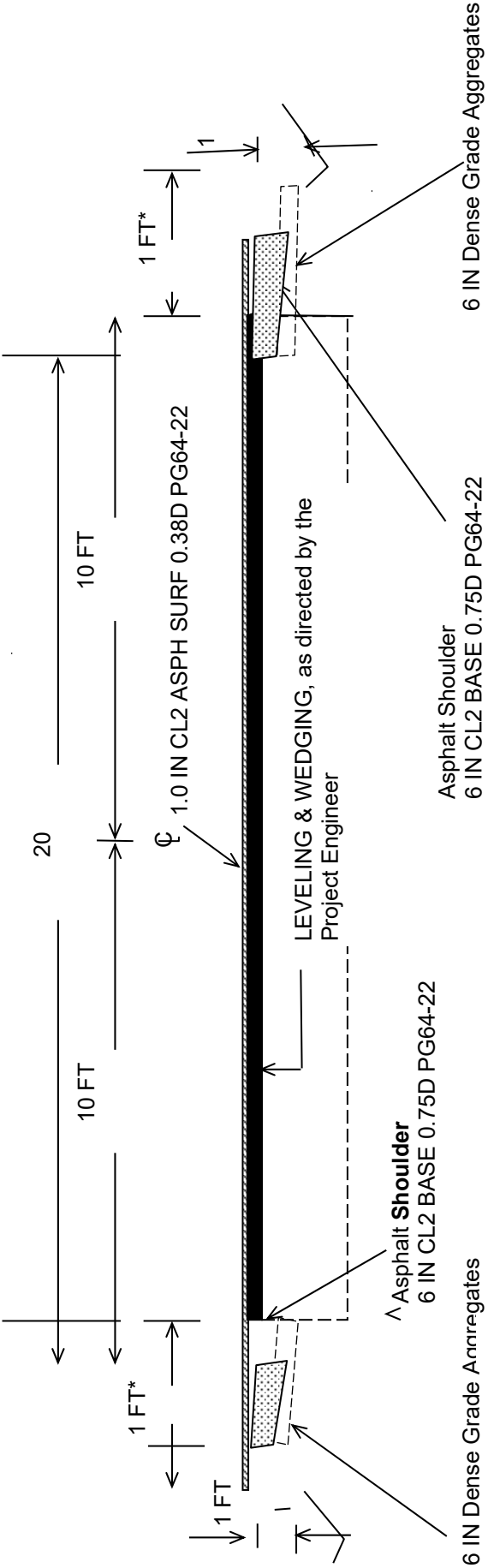
~PAVEMENT SCHEDULE ~

APPROXIMATELY 23.25" BASE	12.00" CRUSHED AGGREGATE SIZE NO 2 WRAPPED IN FABRIC-GEOTEXTILE CLASS 1
	6.00" DGA BASE
	3.00" CL2 ASPH BASE 0.75D PG64-22
	2.25" CL2 ASPH BASE 0.75D PG64-22
APPROXIMATELY 1.50" SURFACE	1.50" CL2 ASPH SURF 0.38D PG64-22

NOT TO SCALE

ASHGROVE LANE
TYPICAL SECTION

Jessamine County
TYPICAL SECTION
057 1980 003-006
MP 3.420 to 5.016



***Where Existing Site Conditions Permits Otherwise 2 FT Would Be on One Side**

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 PORTABLE CHANGEABLE MESSAGE SIGNS

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

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

2.0 MATERIALS.

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

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

2.2 Sign and Controls. All signs must:

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

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

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

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

2.3 Power.

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

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

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

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

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

4.0 MEASUREMENT. The final quantity of Variable Message Sign will be

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the actual number of individual signs acceptably furnished and operated during the project. The Department will not measure signs replaced due to damage or rejection.

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

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
02671	Portable Changeable Message Sign	Each

Effective June 15, 2012

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SPECIAL NOTE FOR ALUMINUM AND STEEL STRUCTURAL PLATE BOX CULVERTS

This Special Note will apply when indicated on the plans or in the proposal. Section references herein are to the Department's Standard Specifications for Road and Bridge Construction, current edition.

1.0 DESCRIPTION. Furnish and install either an aluminum or a steel structural plate box culvert as the Contract specifies.

2.0 MATERIALS.

2.1 Structure. These structures consist of prefabricated sections assembled and erected at the site. Prefabricated sections consist of corrugated aluminum or steel plates, as the Contract specifies, which have been factory shaped, punched, and coated when required. The Department will not permit field modification except for tapping saddles or other devices to permit passage of other conduits or utilities through the structure. Furnish and install all auxiliary items such as ribs, wales, stiffeners, footing pads, etc. that the design requires. Furnish and install endwalls and toewalls when the plans require them. When endwalls are required, construct full height wing sections. Do not field bevel cut wing sections.

Before beginning erection, furnish to the Engineer applicable shop drawings, erection layouts, and manufacturer's brochures for submittal to the Division of Construction. Indicate the location of the drawing number, design load (as applicable), contract award year, and contractor stencils on the shop drawings. If a drawing number has not been assigned for the structure, obtain one from the Division of Structural Design. The Department will accept plates and accessories by certificate of compliance from the manufacturer. Upon completion of construction, submit to the Division of Structural Design an as-built set of structure plans and reviewed shop drawings in 22 inch by 36 inch Portable Document Format (PDF) for archiving.

2.1.1 Aluminum Structure. Obtain the aluminum structural plate box culvert, and aluminum endwalls or toewalls when required, from either Contech Construction Products or Lane Metal Products.

The Department will accept comparable aluminum structures produced by other companies when the Engineer approves. For such approval, submit sufficient data and design calculations to show that the proposed structures are equal in all respects to the Contech product and also include evidence of actual installations now in service that are performing satisfactorily. Design according to the current AASHTO LRFD Bridge Design Specifications, except design for KYHL-93 live load. The KYHL-93 live load is arrived at by increasing the standard AASHTO HL-93 truck and lane loads as specified in the AASHTO Specifications by 25%. Do not consider as a tunnel or tunnel liner plate for design. Before beginning erection, furnish the Engineer applicable shop drawings and structural design calculations performed, stamped, and signed by a qualified Professional Engineer licensed to practice in the State of Kentucky.

Use aluminum accessories and plates, of the plan specified thickness, that conforms to AASHTO M 219 or ASTM B 308 as applicable.

Where non-aluminum utilities are passed through, insulate with an aluminastic compound or approved equal, to prevent bi-metallic contact.

2.1.2 Steel Structure. Use either (1) Contech Construction Products'

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Multi-Plate Steel Box Culvert; or (2) Lane Metal Products Company's Low Profile Box Culvert.

The Department will accept comparable steel structures produced by other companies when the Engineer approves. For such approval, submit sufficient data and design calculations to show that the proposed structures are equal in all respects to those specified above and also include evidence of actual installations now in service that are performing satisfactorily. Design according to the current AASHTO LRFD Bridge Design Specifications, except design for KYHL-93 live load. The KYHL-93 live load is arrived at by increasing the standard AASHTO HL-93 truck and lane loads as specified in the AASHTO Specifications by 25%. Do not consider as a tunnel or tunnel liner plate for design. Before beginning erection, furnish the Engineer applicable shop drawings and structural design calculations performed, stamped, and signed by a qualified Professional Engineer licensed to practice in the State of Kentucky.

Use steel accessories and plates, of the plan specified thickness, that conform to AASHTO M 167 for galvanized steel.

2.2 Asphalt Coating. On all steel drainage structures, except those installed as railroad tunnels, cattle underpasses, bicycle or pedestrian underpasses, or similar dry conditions, apply an asphalt coating conforming to Subsection 806.06.

2.3 Bedding Material. Use granular material with 100% passing 1 inch sieve that conforms to Subsection 804.08. Bedding shall be placed at a minimum thickness of twice the corrugation depth.

2.4 Backfill Material. Select any of the following alternates and obtain the Engineers approval.

- 1) well graded or uniformly graded bank or creek gravel, crushed or uncrushed, up to 3 inches maximum size;
- 2) well graded or uniformly graded natural or crushed sand;
- 3) finely shot limestone or sandstone providing no individual fragment is larger than 3 inches and the material contains no more than 5 percent dirt and/or shale, as determined by visual inspection by the Engineer;
- 4) crushed stone or crushed slag up to 3 inches maximum size (except DGA or Size No. 610);
- 5) other locally available materials meeting the approval of the Engineer (local soils conforming to soil classifications A-2-4 or A-2-5 from AASHTO M 145 will be acceptable). Do not use plastic soils, or materials containing significant amounts of nondurable shale (SDI < 95 by KM 64-513); or
- 6) flowable fill conforming to Subsection 601.03.03, B), 5).

2.5 Foundation Material. Use material capable of supporting the imposed loads due to backfill weight and footing pressures of 2 tons per square foot.

3.0 CONSTRUCTION.

3.1 Technical Representative. Provide a technical representative from the structure manufacturer to advise at the start of the project. Ensure the technical representative is available thereafter to assist in the event problems or special circumstances arise.

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Technical assistance shall be provided at no additional cost to the Department.

3.2 Site Preparation. Perform structure excavation according to Section 603, except as modified herein.

On structures with footing pads, excavate trenches 3 inches below the elevation shown on the plans, and level the bottom of the trench with 3 inches of bedding material before placing the footing pads.

On structures with a full metal invert, excavate the entire area covered by the invert plates to accommodate bedding material placement to a minimum thickness of twice the corrugation depth before placing the invert plates.

Take soundings for foundation design at the inlet and outlet of each culvert and at intervals no greater than 20 feet along the grade line of the bottom of the culvert, to a depth of one foot. Make soundings on the centerline and at each edge of the culvert. Where ledge rock, gravel, hardpan, or other unyielding material is encountered or known to exist within the limits stated, perform excavation in the area under the invert plates or footing pads. Extend the additional excavation to a depth of $0.042 H$ below the bottom of the metal plates, where H is the height of fill above the top of the culvert. However, regardless of the height of fill, the Department will require the additional depth to be a minimum of one foot and will not require it to be more than $0.75 H_c$, where H_c is the total height of the culvert.

Backfill the additional excavation with an earth cushion of firmly compacted fine soils in layers of 6 inches or less, prior to placing the sand bedding layer.

Excavate cross trenches as necessary to place metal toewalls when the plans require them.

Excavate a minimum width of the outside dimension of the box culvert including footing pads or invert plates plus 6 inches on each side.

Proper bedding preparation is critical for satisfactory performance of the box culvert. Place the bed for footing pads or invert plates to uniform lines and grade to avoid distortions and undesirable stresses in the structure.

Construct concrete footings or bottom slabs in accordance with the plans and standard specifications.

3.3 Installation. Erect the culvert, and endwalls when required, in strict accordance with the manufacturer's recommendations. The Department will allow offsite assembly of the structure, provided prior approval is obtained, and assembly is in accordance with the manufacturer's instructions. Structural plates shall be assembled with their inside circumferential sheet laps pointing downstream. Align plates circumferentially to avoid permanent distortion from the specified shape. Ensure the width and height of the completed structure is within 2 percent of the specified dimensions or 2 inches, whichever is greater.

Tighten bolts in the erected structure according to the manufacturer's recommendations, with good seam laps, while in proper shape, using nuts and bolts the manufacturer supplies. Construct concrete footings and headwalls in accordance with the plans.

Install the ribs, wales, and toewalls when required, according to the manufacturer's recommendations.

In side-by-side installations, install the box culverts with footing pads or invert plates of each culvert no closer than 2 feet to the footing pads or invert plates of the adjacent culvert, unless the plans show otherwise. Excavate the entire volume between the culverts and place backfill.

3.4 Backfill. Proper placement and compaction of backfill are essential to obtain

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maximum strength and stability of the finished structure. Use equipment and construction procedures to prevent excessive structure distortion from occurring. The manufacturer of the structure will specify the magnitude of allowable shape changes during backfill. Monitor the shape of the structure to control distortion until all backfilling operations are completed.

On structures with concrete footing pads, backfill the trench for the pads to the flowline inside the culvert before outside backfilling begins.

Place granular backfill material in horizontal layers not exceeding 6 inches loose depth, and bring up uniformly on both sides of the structure. Compact each layer to the same level on all sides before proceeding to the next lift. Do not use compaction equipment or methods that produce earth pressures that cause distortion or damage. Place material on top of the structure at right angles to the centerline of the structure. Compact each layer of backfill to a density of at least 95 percent of the maximum density according to KM 64-511. The Department will determine the in-place density using nuclear gages. The Engineer may waive density testing when not feasible due to the nature of the material. When using flowable fill, place according to Subsection 601.03.09, C).

If the structure is not installed in a full depth trench, use backfill material for embankment adjacent to the structure for a distance equal to the span width on each side of the box culvert and to a height of 2 feet or subgrade elevation, whichever is lower, above the structure.

3.5 Construction Loads. Do not allow construction loads in excess of HS-20 vehicles to cross the completed box culvert unless it is internally braced. Design the support for such bracing so as not to impair the structural integrity or severely interfere with the hydraulics of the box culvert or its invert. Have the culvert manufacturer review the details of the bracing and submit them to the Engineer for approval.

3.6 Headwalls. Construct concrete headwalls, when required, according to the plans. Apply masonry coating to exposed surfaces of the headwalls when required by Subsection 601.03.18, B). When using an aluminum structure, coat aluminum surfaces that will be in contact with concrete with alumilastic compound or an approved equal prior to placing concrete.

4.0 MEASUREMENT.

4.1 Structure Excavation. The Department will measure Structure Excavation as Structure Excavation, Common or Structure Excavation, Solid Rock according to Subsection 206.04.03, except on the sides of the structure the volume will be bounded by vertical planes 6 inches outside the footing pads or invert plates and parallel thereto.

The Department will measure material necessary for backfill in excess of the material excavated as Borrow Excavation, Roadway Excavation, or Embankment-in-Place, as applicable.

The Department will measure granular material used to replace excavated material that is unsuitable for backfill as Borrow Excavation, Roadway Excavation, or Embankment-in-Place. The Department will not measure earthwork for payment when the bid item is Embankment-in-Place unless the unsuitable material is wasted.

The Department will not measure flowable fill for payment and will consider it incidental to the structure.

The Department will not measure bedding for payment and will consider it incidental to the structure.

4.2 Aluminum Structural Plate Box Culvert. The Department will measure the

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quantity in linear feet at each location. The Department will consider the number of linear feet in each installation to be the plan length, increased or decreased by authorized adjustments. The Department will not measure ribs, wales, stiffeners, footing pads, toewalls, endwalls, internal braces, or asphalt coating for payment and will consider them incidental to the structure.

4.3 Steel Structural Plate Box Culvert. See 4.2.

4.4 Class A Concrete. The Department will measure Class A Concrete in footings and headwalls according to Subsection 601.04.

4.5 Reinforcement. The Department will measure Steel Reinforcement in the footings and headwalls according to Subsection 602.04.

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>
20694EN	Aluminum Structural Plate Box Culvert	Linear Foot
20695EN	Steel Structural Plate Box Culvert	Linear Foot
----	Structure Excavation, as classified	See Section 603.05
----	Concrete, Class	See Section 601.05
----	Steel Reinforcement	See Section 602.05

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

June 15, 2012

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).

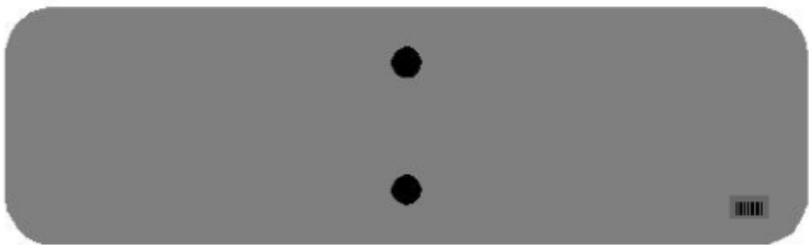
The installation of the permanent sign will be measured in accordance to Section 715.

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

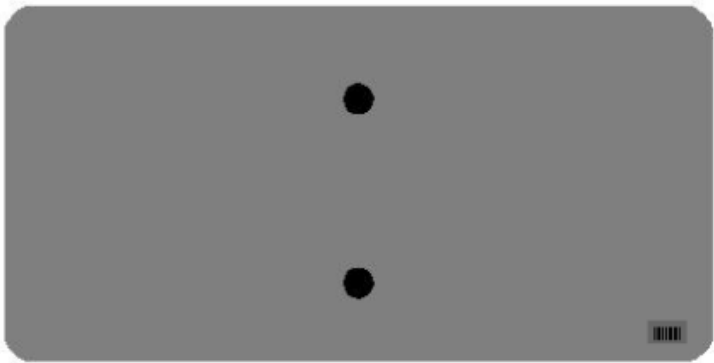
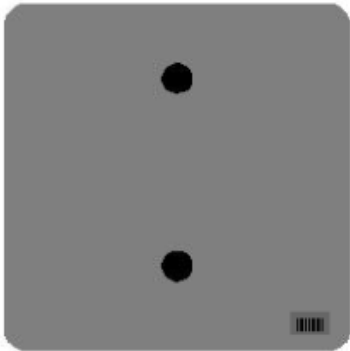
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24631EC	Barcode Sign Inventory	Each

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.

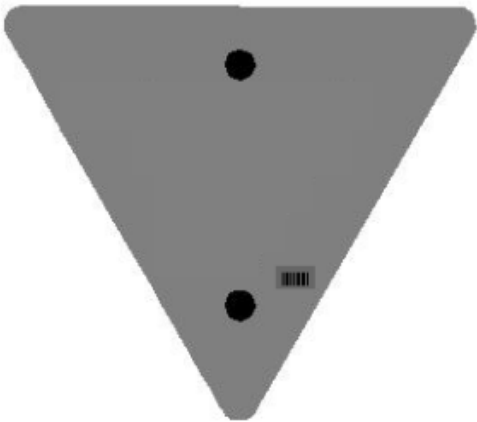
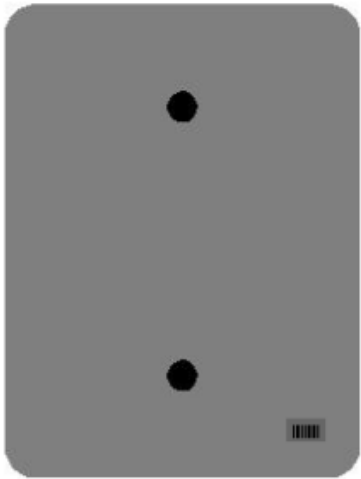
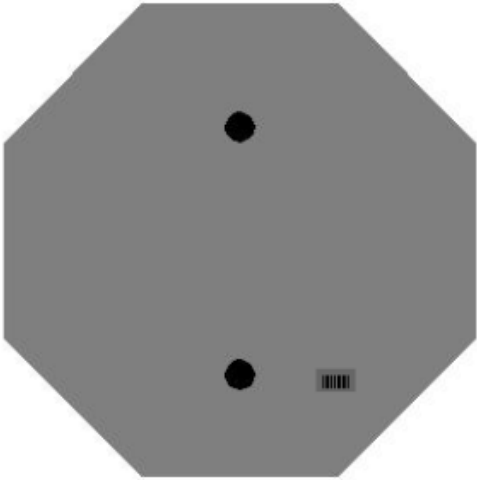
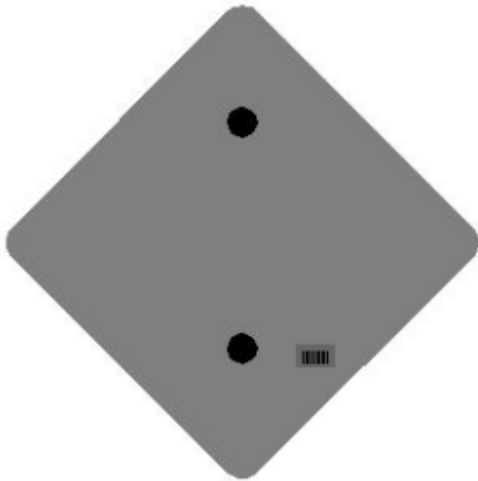
One Sign Post



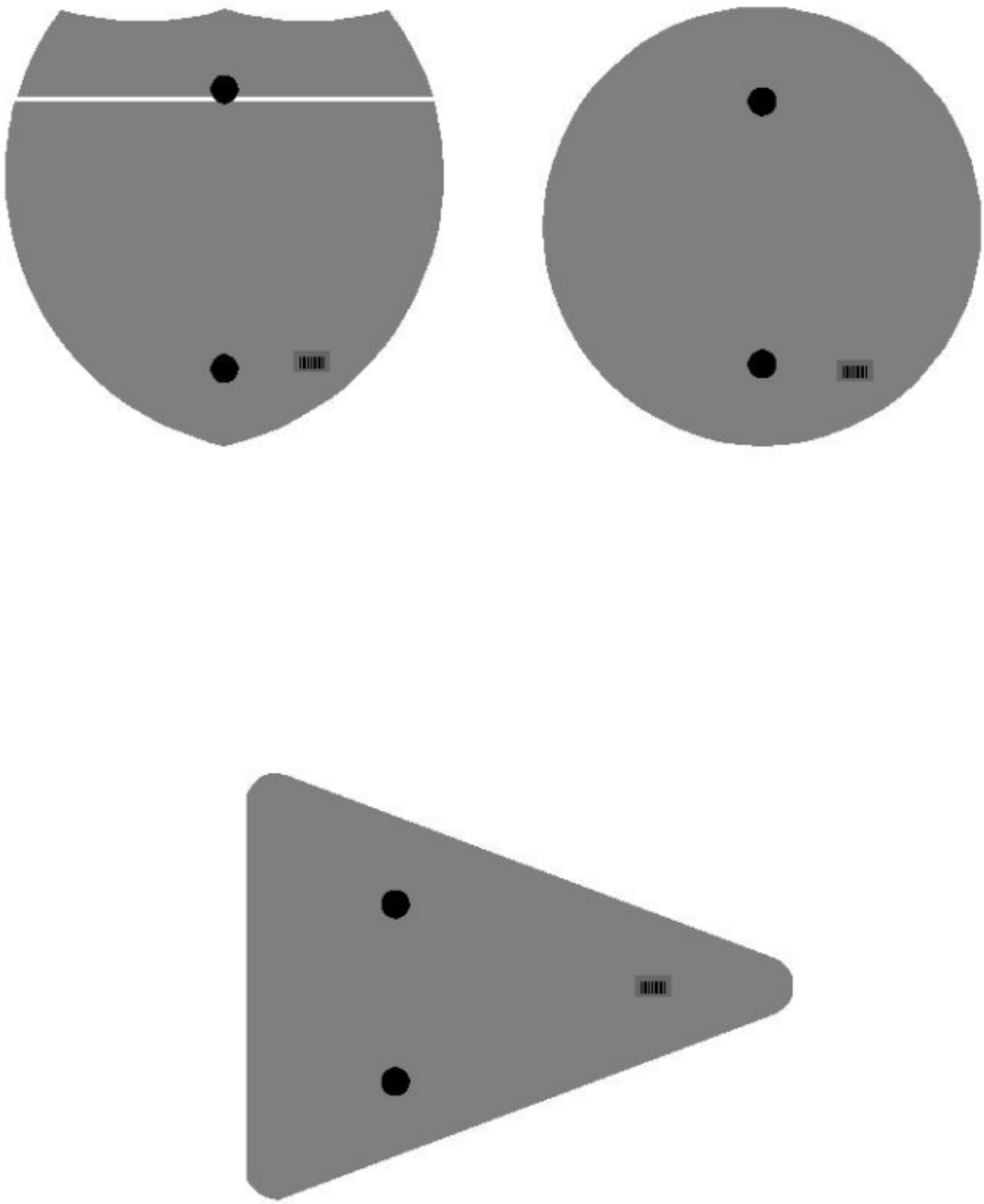
↑
2" Wide Post



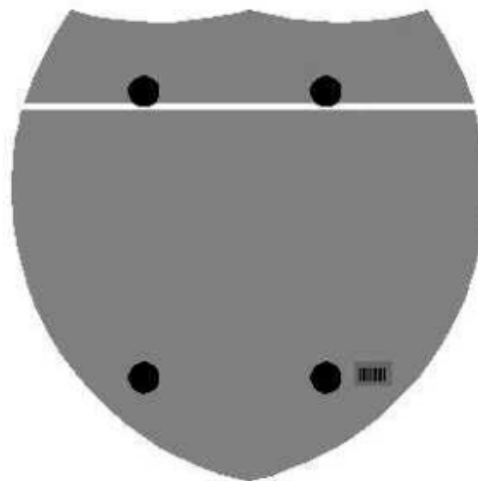
One Sign Post



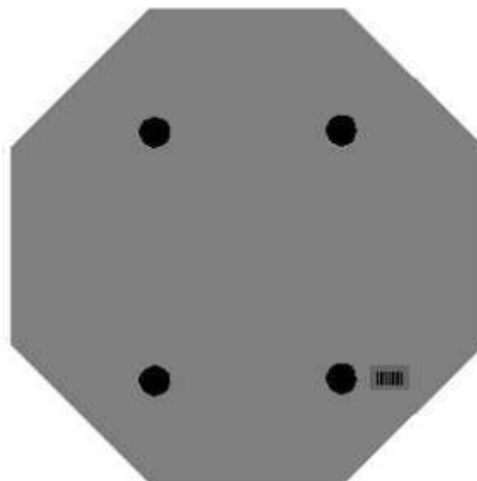
One Sign Post



Double Sign Post

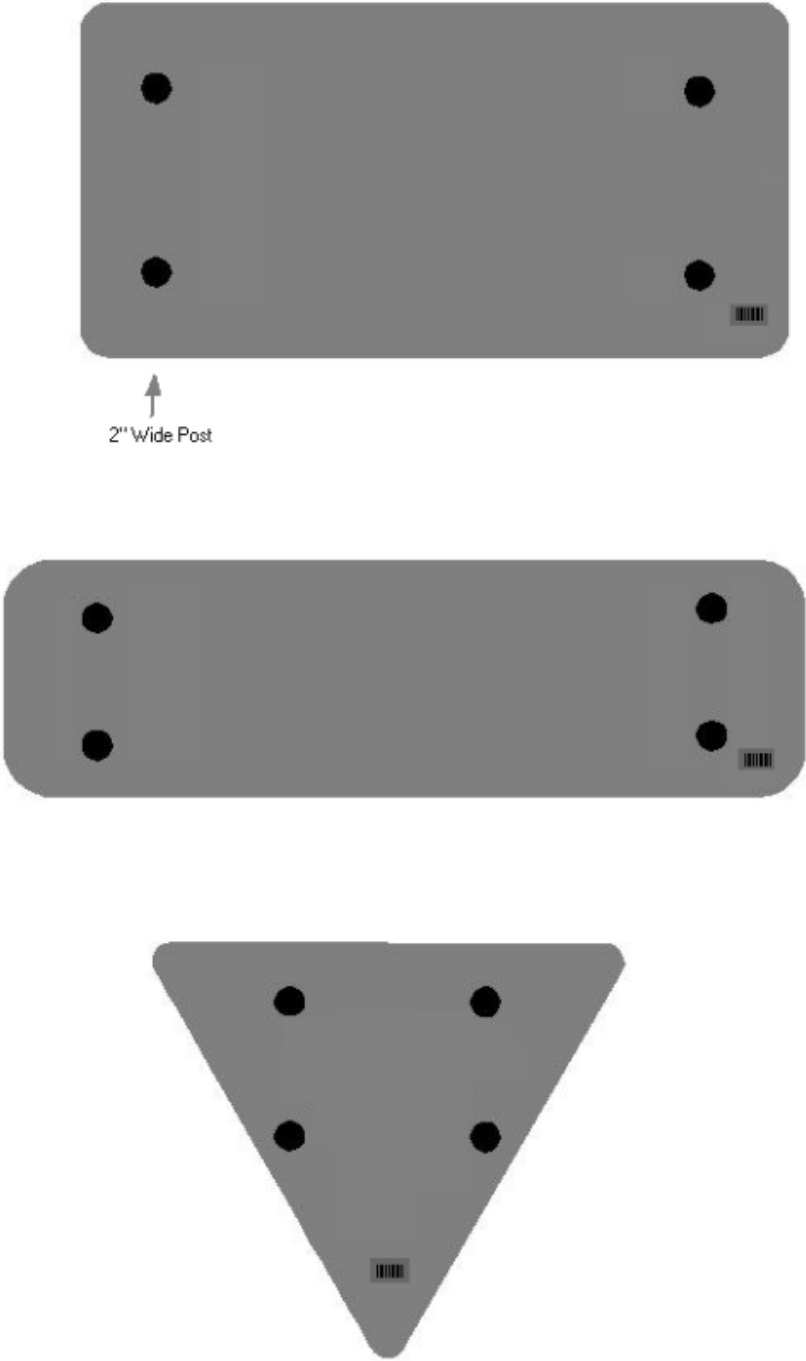


Interstate
Shield



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, 1025 Capital Center Drive, Suite 104, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: May 23, 2022

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

Section: 0001 - ROADWAY - RECONSTRUCTION ASHGROVE PIKE AND ASHGROVE LAN

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	1,790.00	TON		\$	
0020	00078		CRUSHED AGGREGATE SIZE NO 2	1,961.00	TON		\$	
0030	00221		CL2 ASPH BASE 0.75D PG64-22	834.00	TON		\$	
0040	00301		CL2 ASPH SURF 0.38D PG64-22	234.00	TON		\$	
0050	00443		ENTRANCE PIPE-24 IN	40.00	LF		\$	
0060	00462		CULVERT PIPE-18 IN	60.00	LF		\$	
0070	01450		S & F BOX INLET-OUTLET-18 IN	2.00	EACH		\$	
0080	02091		REMOVE PAVEMENT	706.00	SQYD		\$	
0090	02159		TEMP DITCH	581.00	LF		\$	
0100	02160		CLEAN TEMP DITCH	291.00	LF		\$	
0110	02200		ROADWAY EXCAVATION	2,402.00	CUYD		\$	
0120	02429		RIGHT-OF-WAY MONUMENT TYPE 1	25.00	EACH		\$	
0130	02432		WITNESS POST	25.00	EACH		\$	
			CLEARING AND GRUBBING					
0140	02545		-	1.00	LS		\$	
0150	02585		EDGE KEY	60.00	LF		\$	
0160	02602		FABRIC-GEOTEXTILE CLASS 1	6,423.00	SQYD		\$	
0170	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0180	02697		EDGELINE RUMBLE STRIPS	1,250.00	LF		\$	
0190	02701		TEMP SILT FENCE	581.00	LF		\$	
0200	02703		SILT TRAP TYPE A	2.00	EACH		\$	
0210	02704		SILT TRAP TYPE B	2.00	EACH		\$	
0220	02706		CLEAN SILT TRAP TYPE A	2.00	EACH		\$	
0230	02707		CLEAN SILT TRAP TYPE B	2.00	EACH		\$	
0240	05950		EROSION CONTROL BLANKET	2,463.00	SQYD		\$	
0250	05952		TEMP MULCH	3,703.00	SQYD		\$	
0260	05953		TEMP SEEDING AND PROTECTION	2,777.00	SQYD		\$	
0270	05963		INITIAL FERTILIZER	.30	TON		\$	
0280	05964		MAINTENANCE FERTILIZER	.30	TON		\$	
0290	05985		SEEDING AND PROTECTION	328.00	SQYD		\$	
0300	06406		SBM ALUM SHEET SIGNS .080 IN	80.00	SQFT		\$	
0310	06410		STEEL POST TYPE 1	120.00	LF		\$	
0320	06514		PAVE STRIPING-PERM PAINT-4 IN	1,250.00	LF		\$	
0330	20430ED		SAW CUT	80.00	LF		\$	
0340	24631EC		BARCODE SIGN INVENTORY	19.00	EACH		\$	

Section: 0002 - ROADWAY - RESURFACING ASHGROVE PIKE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	00001		DGA BASE	600.00	TON		\$	
0360	00190		LEVELING & WEDGING PG64-22	115.00	TON		\$	
0370	00212		CL2 ASPH BASE 1.00D PG64-22	556.00	TON		\$	
0380	00301		CL2 ASPH SURF 0.38D PG64-22	1,210.00	TON		\$	
0390	02383		REMOVE & RESET GUARDRAIL	225.00	LF		\$	
0400	02396		REMOVE GUARDRAIL END TREATMENT	1.00	EACH		\$	
0410	02460		REMOVE TREES OR STUMPS	19.00	EACH		\$	

Report Date 11/4/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0420	02562		TEMPORARY SIGNS	175.00	SQFT		\$	
0430	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0440	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0450	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0460	02677		ASPHALT PAVE MILLING & TEXTURING	16.60	TON		\$	
0470	02697		EDGE LINE RUMBLE STRIPS	16,900.00	LF		\$	
0480	06427		TRENCHING	16,900.00	LF		\$	
0490	06510		PAVE STRIPING-TEMP PAINT-4 IN	33,800.00	LF		\$	
0500	06514		PAVE STRIPING-PERM PAINT-4 IN	33,800.00	LF		\$	
0510	06574		PAVE MARKING-THERMO CURV ARROW	1.00	EACH		\$	
0520	23985EN		ALUMINUM STRUCTURAL PLATE BOX CULVERT	1.00	DOLL		\$	
0530	24970EC		ASPHALT MATERIAL FOR TACK NON- TRACKING	10.00	TON		\$	
0540	24977EC		GUARDRAIL END TREATMENT TYPE 1 CR	1.00	EACH		\$	

Section: 0003 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0550	02569		DEMOBILIZATION	1.00	LS		\$	