



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

July 12, 2022

CALL NO. 203
CONTRACT ID NO. 224322
ADDENDUM # 1

Subject: Whitley County, 121GR22T015-HSIP & FD05
Letting July 21, 2022

- (1) Revised - Material Summary - Pages 184-187 of 354
- (2) Revised - Waterline Relocation Plans - Pages 294-298 of 354
- (3) Revised - Proposal Bid Items - Pages 351-354 of 354

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

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

Sincerely,

Rachel Mills,

A handwritten signature in cursive script that reads "Rachel Mills".

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

RM:mr
Enclosures

MATERIAL SUMMARY

CONTRACT ID: 224322

121GR22T015-HSIP & FD05

11118025W2201

CUMBERLAND FALLS HIGHWAY (US 25W) FROM 0.01 MILES SOUTH OF KY 2379 EXTENDING NORTH TO 0.18 MILES SOUTH OF KY 1193 ASPHALT SURFACE WITH GRADE & DRAIN, A DISTANCE OF 8.31 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0190	00003	CRUSHED STONE BASE	16,167.00	TON
0195	00020	TRAFFIC BOUND BASE	100.00	TON
0200	00100	ASPHALT SEAL AGGREGATE	384.00	TON
0205	00103	ASPHALT SEAL COAT	46.60	TON
0210	00190	LEVELING & WEDGING PG64-22	1,919.00	TON
0215	00212	CL2 ASPH BASE 1.00D PG64-22	971.00	TON
0220	00214	CL3 ASPH BASE 1.00D PG64-22	4,026.00	TON
0225	00301	CL2 ASPH SURF 0.38D PG64-22	1,039.00	TON
0230	00356	ASPHALT MATERIAL FOR TACK	41.70	TON
0235	00388	CL3 ASPH SURF 0.38B PG64-22	8,141.00	TON
0240	02676	MOBILIZATION FOR MILL & TEXT - (WHITLEY US 25W)	1.00	LS
0245	02677	ASPHALT PAVE MILLING & TEXTURING	410.00	TON
0250	00078	CRUSHED AGGREGATE SIZE NO 2	1,104.00	TON
0255	01875	STANDARD HEADER CURB	469.00	LF
0260	02159	TEMP DITCH	2,116.00	LF
0265	02160	CLEAN TEMP DITCH	1,059.00	LF
0270	02200	ROADWAY EXCAVATION - (REVISED 5-11-2022)	9,869.00	CUYD
0275	02242	WATER	589.00	MGAL
0280	02429	RIGHT-OF-WAY MONUMENT TYPE 1	16.00	EACH
0285	02432	WITNESS POST	3.00	EACH
0290	02483	CHANNEL LINING CLASS II	594.00	TON
0295	02545	CLEARING AND GRUBBING - (APPROX 5.9 ACRES)	1.00	LS
0300	02568	MOBILIZATION	1.00	LS
0305	02575	DITCHING AND SHOULDERING	48,279.00	LF
0310	02585	EDGE KEY	124.00	LF
0315	02602	FABRIC-GEOTEXTILE CLASS 1	1,000.00	SQYD
0320	02603	FABRIC-GEOTEXTILE CLASS 2	834.00	SQYD
0325	02607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	303.00	SQYD
0330	02650	MAINTAIN & CONTROL TRAFFIC - (WHITLEY US 25W)	1.00	LS
0335	02671	PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH
0340	02697	EDGELINE RUMBLE STRIPS	89,237.00	LF
0345	02701	TEMP SILT FENCE	8,631.00	LF
0350	02703	SILT TRAP TYPE A	9.00	EACH
0355	02704	SILT TRAP TYPE B	9.00	EACH
0360	02705	SILT TRAP TYPE C	9.00	EACH
0365	02706	CLEAN SILT TRAP TYPE A	9.00	EACH
0370	02707	CLEAN SILT TRAP TYPE B	9.00	EACH
0375	02708	CLEAN SILT TRAP TYPE C	9.00	EACH
0380	02726	STAKING - (WHITLEY US 25W)	1.00	LS
0385	04933	TEMP SIGNAL 2 PHASE	4.00	EACH
0390	05950	EROSION CONTROL BLANKET	5,378.00	SQYD
0395	05952	TEMP MULCH	10,010.00	SQYD
0400	05953	TEMP SEEDING AND PROTECTION	7,507.00	SQYD

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0405	05963	INITIAL FERTILIZER	.90	TON
0410	05964	MAINTENANCE FERTILIZER	.60	TON
0415	05985	SEEDING AND PROTECTION	10,955.00	SQYD
0420	05992	AGRICULTURAL LIMESTONE	6.80	TON
0425	06427	TRENCHING	30,058.00	LF
0430	06510	PAVE STRIPING-TEMP PAINT-4 IN	2,895.00	LF
0435	06511	PAVE STRIPING-TEMP PAINT-6 IN	135,688.00	LF
0440	06514	PAVE STRIPING-PERM PAINT-4 IN	2,895.00	LF
0445	06542	PAVE STRIPING-THERMO-6 IN W	67,844.00	LF
0450	06543	PAVE STRIPING-THERMO-6 IN Y	67,844.00	LF
0455	06574	PAVE MARKING-THERMO CURV ARROW	4.00	EACH
0460	10020NS	FUEL ADJUSTMENT	33,934.00	DOLL
0465	10030NS	ASPHALT ADJUSTMENT	64,778.00	DOLL
0470	21289ED	LONGITUDINAL EDGE KEY	30,058.00	LF
0475	24540	R/W MONUMENT TYPE 3	7.00	EACH
0480	00440	ENTRANCE PIPE-15 IN	41.00	LF
0485	00462	CULVERT PIPE-18 IN	184.00	LF
0490	00521	STORM SEWER PIPE-15 IN	84.00	LF
0495	00522	STORM SEWER PIPE-18 IN	84.00	LF
0500	01450	S & F BOX INLET-OUTLET-18 IN	7.00	EACH
0505	01456	CURB BOX INLET TYPE A	3.00	EACH
0510	24694ED	BOX CULVERT - (8 FT x 3 FT RCBC)	56.00	LF
0515	24694ED	BOX CULVERT - (8 FT x 5 FT RCBC)	72.00	LF
0520	00388	CL3 ASPH SURF 0.38B PG64-22 - (TRENCH PAVEMENT REPLACEMENT)	30.00	TON
0525	01310	REMOVE PIPE	287.00	LF
0530	02220	FLOWABLE FILL	70.00	CUYD
0535	03262	CLEAN PIPE STRUCTURE	2.00	EACH
0540	08100	CONCRETE-CLASS A - (6 INCH CONCRETE TRENCH PAVEMENT REPLACEMENT)	45.00	CUYD
0545	15000	S BYPASS PUMPING	2.00	EACH
0550	15092	S MANHOLE	3.00	EACH
0555	15093	S MANHOLE ABANDON/REMOVE	2.00	EACH
0560	15094	S MANHOLE ADJUST TO GRADE	1.00	EACH
0565	15112	S PIPE PVC 08 INCH	297.00	LF
0570	24814EC	PIPELINE INSPECTION	287.00	LF
0575	02562	TEMPORARY SIGNS	1,000.00	SQFT
0580	06406	SBM ALUM SHEET SIGNS .080 IN	518.00	SQFT
0585	06407	SBM ALUM SHEET SIGNS .125 IN	141.00	SQFT
0590	06410	STEEL POST TYPE 1	862.00	LF
0595	24631EC	BARCODE SIGN INVENTORY	149.00	EACH
0600	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	140.00	EACH
0605	02360	GUARDRAIL TERMINAL SECTION NO 1	31.00	EACH
0610	02367	GUARDRAIL END TREATMENT TYPE 1	8.00	EACH
0615	02369	GUARDRAIL END TREATMENT TYPE 2A	1.00	EACH
0620	02371	GUARDRAIL END TREATMENT TYPE 7	4.00	EACH
0625	02373	GUARDRAIL END TREATMENT TYPE 3	20.00	EACH
0630	02381	REMOVE GUARDRAIL	10,250.00	LF
0635	20191ED	OBJECT MARKER TY 3	8.00	EACH
0640	21802EN	G/R STEEL W BEAM-S FACE (7 FT POST)	10,250.00	LF
0645	14003	W CAP EXISTING MAIN	6.00	EACH

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0650	14007	W ENCASEMENT STEEL BORED RANGE 2	160.00	LF
0655	14008	W ENCASEMENT STEEL BORED RANGE 3	80.00	LF
0660	14028	W METER 3/4 INCH	2.00	EACH
0670	14058	W PIPE PVC 04 INCH	330.00	LF
0675	14059	W PIPE PVC 06 INCH - (REVISED 7-12-2022)	1,310.00	LF
0680	14085	W SERV PE/PLST SHORT SIDE 3/4 IN	2.00	EACH
0685	14089	W TAPPING SLEEVE AND VALVE SIZE 1	7.00	EACH
0690	14091	W TIE-IN 02 INCH	1.00	EACH
0695	14094	W TIE-IN 06 INCH	1.00	EACH
0700	14102	W VALVE 02 INCH	1.00	EACH
0705	14153	W LEAK DETECTION METER	2.00	EACH
0710	14158	W BLOWOFF ASSEMBLY - (WHITLEY US 25W)	5.00	EACH
0715	02569	DEMOBILIZATION	1.00	LS
0720	14034	W PIPE DUCTILE IRON 03 INCH - WITH NITRILE GASKETS (ADDED 7-12-2022)	337.00	LF
0725	14036	W PIPE DUCTILE IRON 06 INCH - WITH NITRILE GASKETS (ADDED 7-12-2022)	520.00	LF

CONTRACT ID: 224322

121GR22T015-HSIP & FD05

MP118025W2101

CUMBERLAND FALLS HIGHWAY (US 25W) BEGINNING AT THE NORTH END OF THE CSX RAILROAD BRIDGE EXTENDING NORTH TO 430 FT NORTH OF GOLDBUG CHURCH ROAD. ASPHALT RESURFACING, A DISTANCE OF 1.14 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0050	00190	LEVELING & WEDGING PG64-22	98.00	TON
0055	00307	CL2 ASPH SURF 0.38B PG64-22	1,835.00	TON
0060	00356	ASPHALT MATERIAL FOR TACK	11.00	TON
0065	02562	TEMPORARY SIGNS	170.00	SQFT
0070	02650	MAINTAIN & CONTROL TRAFFIC - (US 25W 014-016)	1.00	LS
0075	02676	MOBILIZATION FOR MILL & TEXT - (US 25W 014-016)	1.00	LS
0080	02677	ASPHALT PAVE MILLING & TEXTURING	1,725.00	TON
0085	06511	PAVE STRIPING-TEMP PAINT-6 IN	27,500.00	LF
0090	06542	PAVE STRIPING-THERMO-6 IN W	12,500.00	LF
0095	06543	PAVE STRIPING-THERMO-6 IN Y	15,000.00	LF
0100	02569	DEMOBILIZATION	1.00	LS

MATERIAL SUMMARY

CONTRACT ID: 224322

121GR22T015-HSIP & FD05

MP118025W2102

WILLIAMSBURG-GOLDBUG (US 25W) BEGINNING AT KY 296 EXTENDING NORTH TO 0.058 MILES NORTH OF MORTON STREET. ASPHALT RESURFACING, A DISTANCE OF 1.08 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0105	00190	LEVELING & WEDGING PG64-22	93.00	TON
0110	00356	ASPHALT MATERIAL FOR TACK	10.00	TON
0115	00388	CL3 ASPH SURF 0.38B PG64-22	1,975.00	TON
0120	02562	TEMPORARY SIGNS	350.00	SQFT
0125	02650	MAINTAIN & CONTROL TRAFFIC - (US 25W 012-014)	1.00	LS
0130	02676	MOBILIZATION FOR MILL & TEXT - (US 25W 012-014)	1.00	LS
0135	02677	ASPHALT PAVE MILLING & TEXTURING	1,765.00	TON
0140	02697	EDGELINE RUMBLE STRIPS	1,130.00	LF
0145	06510	PAVE STRIPING-TEMP PAINT-4 IN	23,000.00	LF
0150	06542	PAVE STRIPING-THERMO-6 IN W	12,500.00	LF
0155	06543	PAVE STRIPING-THERMO-6 IN Y	15,500.00	LF
0160	06568	PAVE MARKING-THERMO STOP BAR-24IN	117.00	LF
0165	06569	PAVE MARKING-THERMO CROSS-HATCH	1,500.00	SQFT
0170	06574	PAVE MARKING-THERMO CURV ARROW	16.00	EACH
0175	20458ES403	CENTERLINE RUMBLE STRIPS	565.00	LF
0180	24880EC	REMOVE PAVEMENT MARKER	290.00	EACH
0185	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 224322

121GR22T015-HSIP & FD05

MP118025W2103

CUMBERLAND FALLS ROAD (US 25W) BEGINNING 0.059 MILES SOUTH OF KY 90 EXTENDING NORTH TO 0.180 MILES SOUTH OF KY 1193. ASPHALT RESURFACING, A DISTANCE OF 2.49 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00190	LEVELING & WEDGING PG64-22	192.00	TON
0010	00388	CL3 ASPH SURF 0.38B PG64-22	2,815.00	TON
0015	02650	MAINTAIN & CONTROL TRAFFIC - (US 25W 022-025)	1.00	LS
0020	06510	PAVE STRIPING-TEMP PAINT-4 IN	26,380.00	LF
0025	06542	PAVE STRIPING-THERMO-6 IN W	26,380.00	LF
0030	06543	PAVE STRIPING-THERMO-6 IN Y	26,380.00	LF
0035	10020NS	FUEL ADJUSTMENT	4,681.00	DOLL
0040	10030NS	ASPHALT ADJUSTMENT	11,756.00	DOLL
0045	02569	DEMOBILIZATION	1.00	LS



DATE	08/11/2022
PROJECT	SPOT F & H US 25W WATERLINE RELOCATION
CLIENT	WHITLEY COUNTY, KENTUCKY
DESIGNER	TAYLOR, KENNETH
SCALE	AS SHOWN
REVISIONS	



PROJECT NO.	2022022
SHEET NO.	U2

GENERAL NOTES

GENERAL NOTES (CONT.)

30. The Contractor shall restrict all construction activities to within the limits of the public right of way and the private easements and fee parcels shown on the drawings. No work shall be performed outside the boundaries of the public road right of way and the private easements and fee parcels provided by the Owner. Work he performs outside of the boundaries of the public road right of way and the private easements and fee parcels provided by the Owner shall be at his own expense.
31. The Contractor shall be responsible for the determination of the location of all existing and buried utilities in the vicinity of his work. Additional buried utility lines, other than as shown on the Project Drawings, may exist in the vicinity of the Project work. The Contractor shall contact local utilities and/or locating service at least 48 hours prior to commencing work on the Project.
32. The Contractor shall be responsible for all traffic control measures necessary to the safe execution of his work, including but not limited to flaggers, traffic signage, barricades, construction fencing and nighttime warning lights. Traffic safety provisions shall be employed by the Contractor in accordance with the Standards of the appropriate state and local public highway authorities.
33. All excavation and all boring shall be properly unclassified and unclassified boring. No additional paving shall be due and payable to the Contractor for dewatering of pipe trenches/excavations or for excavation and removal of rock or for boring casing through rock.
34. All water main fittings shall be ductile iron, mechanical joint compact fittings for water service complying with AWWA Standard C153. Unless otherwise specifically shown or noted, no PVC fittings, other than in-line repair couplings, will be accepted.
35. All water main fittings shall be anchored with poured concrete thrust blocks as shown in the miscellaneous details drawings. Wrap fittings in a minimum 5-mil plastic (PVC) wrap prior to forming and pouring the block.
36. Prior to cutting existing driveways, the Contractor shall notify the property owner/occupant at least 24 hours in advance and shall schedule his work such to restrict access to not more than 2 hours in one (1) day.
37. The Contractor shall repair/replace any and all existing utility lines and equipment damaged by the Contractor's Work, to the satisfaction of the Owner and at no additional cost to the Owner.
38. The Contractor shall protect all drainage culverts in the vicinity of his work and shall repair or replace all culverts damaged by his Work and at no additional cost to the Owner. All existing culverts may not be shown/noted on the Project Drawings.

ENVIRONMENTAL NOTES

1. When crossing all streams, silt barriers, i.e. straw bales or silt fences, shall be put in place to prevent sediment runoff into stream. Conventional stream crossings shall be accompanied during low flow periods. Stream banks shall be reseeded with native vegetation and stream crossings shall be stabilized for the stream crossing. Disturbed surfaces shall be restored to original contours and excess materials removed to a properly confined area.
2. Any excavation by the Contractor that reveals a historical or archeological artifact shall be immediately reported to the Owner and an Engineer. Construction shall be temporarily halted pending the notification process and further directions after consultation with the State Historic Preservation Officer (SHPO).

HIGHWAY DEPARTMENT NOTES

1. Underground utilities installed inside state right of way shall be located within 3-5 feet from the edge of the right of way unless otherwise shown on the plans.
2. Underground utilities on Fully Controlled Access Highways shall be installed with a minimum depth of cover of 42 inches. Underground utilities on Non-Fully Controlled Access Highways shall be installed with a minimum depth of cover of 52 inches under roadways, ramps, and driveways and a minimum depth of cover of 30 inches in all other areas of state right of way.
3. Underground utilities crossing any paved driveway inside state right of way shall be installed by boring unless written permission to open cut is obtained from the property owner.
4. Underground utilities shall not be installed in embankment fills or between edge of pavement and ditchline unless specifically noted on permitted plans.
5. Fire hydrants or utility service boxes should be located within 2 feet from the edge of right of way line, or off right of way.
6. Contact KYC-DOH District #10 Jackson, KY at (606) 666-8841 prior to beginning work.
7. All affected KYTC ditchlines shall remain free of excess silt or erosion and constructed to the normal typical section of the roadway with a minimum depth of 18 inches from the shoulder break point.
8. All necessary steps shall be taken to prevent erosion or siltation of the public right of way, adjoining property and waterways.



In compliance with the Kentucky Dig Law, the Contractor shall call (800) 752-6007 (Kentucky811) to determine the location of existing underground utilities. It will be the Contractor's responsibility to coordinate excavation with all Utility Owners.

GENERAL NOTES

1. Stations shown on the water line are for reference only and do not reflect the actual linear lengths of pipe required for construction.
2. The Contractor shall be responsible for coordinating all construction work with local utility companies and other concerned parties.
3. Existing buried utilities are shown on the drawings in their general location, utilizing the best available information. Before construction begins the utility shall be located and marked. A Certificate of Location (C.O.L.) shall be obtained. A request for the exact location of the utility shall be made, and permission to proceed with construction obtained.
4. Before construction begins through any property, the Contractor shall make himself aware of the exact location of construction through the property and the bounds of the permanent and temporary construction easements.
5. The Contractor shall have on hand at the job site 11 1/4", 22 1/2", 45" and 90" bends for use where necessary for proper installation.
6. Pipe joint deflection shall not exceed 2". Bending of PVC pipe will not be allowed.
7. At some locations, the Contractor may be required to provide extra cover over line. Cost of extra cover is to be included in unit price bid for line installation and no separate payment will be made for such extra cover. All such locations are shown on the plans.
8. Connecting new lines to existing lines or to work in other contracts is subsidiary to the contract unless specifically itemized in the Bid Schedule. It includes fittings, sleeves, etc., but does not include gate valves, which are an extra pay item.
9. All fittings, thrust restraint and appurtenances to construct the pipelines as shown shall be included in the unit cost for the pipe and are not separate pay items.
10. The pipe lengths have been estimated as close as possible. The Contractor shall be responsible for ordering pipe quantities necessary for installation to the limits as shown on the Drawings unless otherwise instructed. Any left-over pipe quantities shall be the property of the Contractor unless other arrangements are made. The Owner shall not be responsible for re-stocking or other charges associated with the left over pipe.
11. Ductile iron pipe shall be installed in accordance with Standard AWWA C150/ANSI A21.50 Laying Condition Type 3 unless otherwise noted.
12. All driveways that are cut inside highway right of way shall be backfilled with flowable fill. All driveways that are cut outside highway right of way shall be backfilled with KTC #8 or 9-M coarse aggregate and shall be included in the unit price for pipe installation.
13. All open cut streets and roads and trenches cut in existing pavements located inside highway right of way shall be backfilled with flowable fill. All open cut streets and roads and trenches cut in existing pavements located outside highway right of way shall be backfilled with compacted crushed stone or DOK in accordance with the miscellaneous details drawings.
14. Paved driveways shall be free-boarded. Free bore unit prices are contained in Bid Schedule. The material in which the free bore is made is unclassified.
15. It is the responsibility of the Contractor to comply with all regulations regarding the effect on the environment from the discharge of chlorinated water. See Technical Specifications for methods of sterilization and for disposing of heavily chlorinated water.
16. The time period for pressure testing in this project shall be at least 6 hours unless otherwise stipulated by Owner.
17. Trench wire and warning tape shall be installed with the PVC pipe. See Technical Specifications and the miscellaneous detail drawings.
18. During the process of having asbestos abatement made, the contractor shall conform to OSHA regulations regarding the handling of hazardous waste. Pieces of asbestos cement resulting from the tap shall be double bagged, placed in a rigid container and disposed of in an approved landfill.
19. The pipeline shall be "swabbed" prior to pressure testing and sterilization. Pipeline swabbing is not a separate bid item but shall be included in the unit price for pipe. See Technical Specifications.
20. Locations where pipeline is to be installed on state road right of way are approximately delineated on the drawings. The Contractor, along with the Engineer's Representative, shall determine, precisely, the field locations for transitions between private easements, and state and county road rights of way.
21. All pipelines installed in the ditchline on state or county rights of way shall have 42" minimum cover over top of pipe.
22. The pipeline trench width will be strictly enforced. See Technical Specifications for trench width requirements.
23. The GENERAL CERTIFICATION - NATIONWIDE PERMIT #58 - UTILITY LINE BACKFILL AND BEDDING is contained in the Specifications. The Contractor shall be responsible for obtaining and providing a copy of this permit to the project. The permit shall be completed and returned to the project within 15 days of the start of work. The permit shall include backfill and bedding materials to be used in the project. The permit shall be used to identify a stream crossing at each blue line stream. Small creek crossings, less than 15 feet measured from top of bank to top of bank, may be accomplished by trenching when the stream is in a low flow condition. If the stream is in a low condition, the crossing shall be made in accordance with the miscellaneous details drawings. Bid items for specific stream crossings may be contained in the Bid Schedule with the type of crossing shown on the Plan Sheets. Payment shall be "Each" for directional bores of small stream crossings. All stream crossings shall be installed in accordance with the miscellaneous details drawings. The Contractor shall be responsible for determining the location of stream crossings to determine an average unit price that will be used for payment for each instance a blue line stream is crossed. Stream crossings may be added, for extended lines beyond those shown on the plans, at the same unit price providing the crossings are reasonably similar to those shown on the plans. Payment for stream crossings not shown on the plans, if a line is deleted or shortened, Payment for specific bid item directional bored stream crossings shall be "Lump Sum".
24. Rough cleanup must be done before payment for pipe will be approved.
25. Do not cut cut fences except where specifically shown and noted.
26. The Contractor shall obtain and pay for all grading, storm water, etc. permits, if any required to complete the work. The contractor shall maintain compliance with all conditions, limitations and stipulations of all permits. The contractor shall not commence work, except mobilization, until the A-900055 State Permit is issued. The contractor shall comply with the terms and conditions of all permits within 14 hours of the date the A-900055 State Permit is issued. The contractor shall be responsible for obtaining and providing a copy of all permits with the Notice of Intent (NOI) and the Notice of Termination (NOT). The Notice to Proceed will not be issued until the Permit has been provided.
27. All work shall be provided in accordance with all terms of the General Construction Permit and the Erosion/Construction Permit as issued for the Project by the Kentucky Department for Environmental Protection, Division of Water. The Owner will secure said Construction Permits and deliver a copy of each to the Contractor, to be maintained on-site at all times during construction.
28. All work shall be provided in compliance with all applicable local, state and national building codes.
29. All work shall be provided in compliance with the current workplace safety regulations of the U.S. Department of Labor, Occupational Safety and Health Administration (O.S.H.A.).

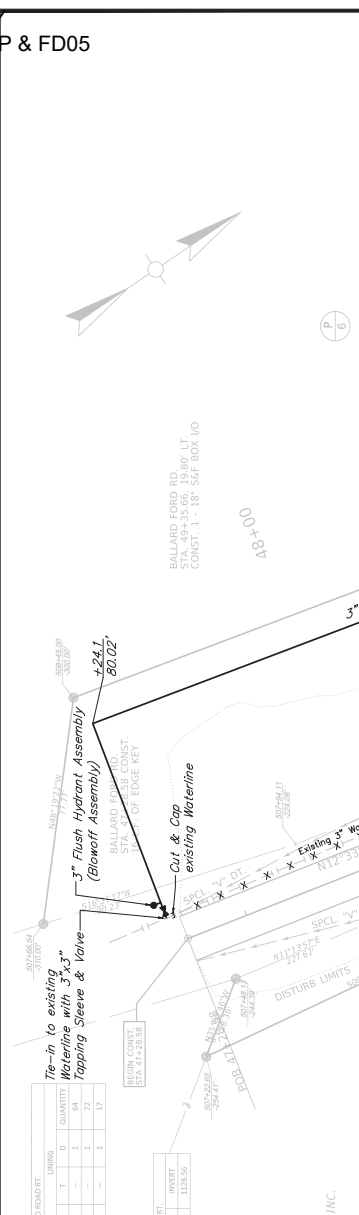
CUMBERLAND FALLS HIGHWAY WATER DISTRICT RELOCATION ONLY

REV	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	11/10/2022
2	CHECKED BY: J.P.H.	11/10/2022
3	SCALE: AS NOTED	11/10/2022
4	REVISIONS	

REV	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	11/10/2022
2	CHECKED BY: J.P.H.	11/10/2022
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4	REVISIONS	



RICHARD, PREWITT
NINA, PREWITT
D.B. 479, PG. 551

BEARLAND LAKE SHELL, INC.
D.B. 520, PG. 265

REV	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	11/10/2022
2	CHECKED BY: J.P.H.	11/10/2022
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REV	DESCRIPTION	DATE
1	ISSUED FOR PERMITS	11/10/2022
2	CHECKED BY: J.P.H.	11/10/2022
3	SCALE: AS NOTED	11/10/2022
4	REVISIONS	

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: PLAN SHEET - SPOT H

HORIZONTAL SCALE: 1" = 20'

STA. 505+47 TO 509+00

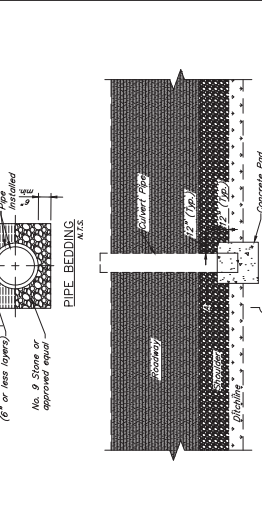
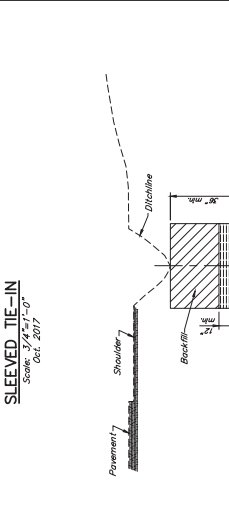
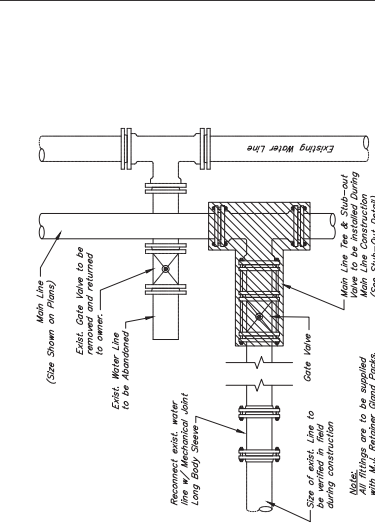
ITEM NO. 11-8007.00 COUNTY OF WHITLEY
SHEET NO. 0406



DESIGNED BY: JMT
CHECKED BY: JMT
DATE: 10/20/2022
PROJECT NO. 2022022
SHEET NO. U5

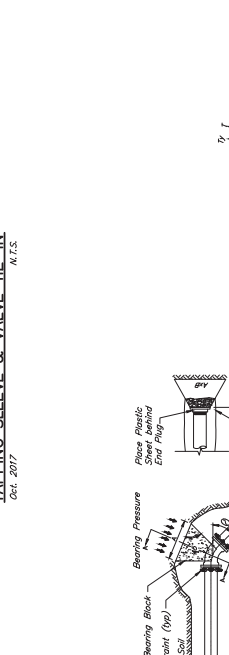
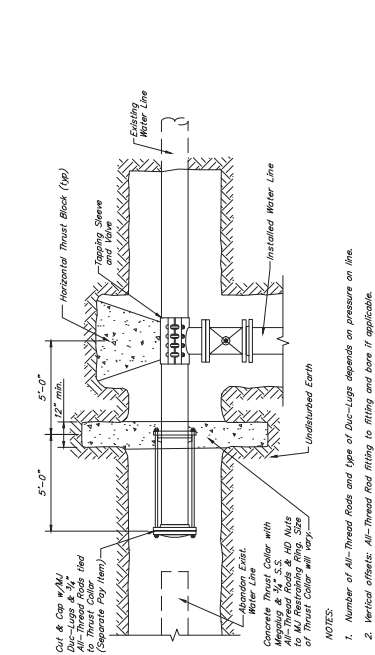
CUMBERLAND FALLS HIGHWAY
 WATER DISTRICT
 SPOT F & H US 25W WATERLINE RELOCATION
 KY ITEM NO. 11-9007.00 S0D F & FD05
 WHITLEY COUNTY, KENTUCKY

PROJECT NO. 2022022
 SHEET NO. U5



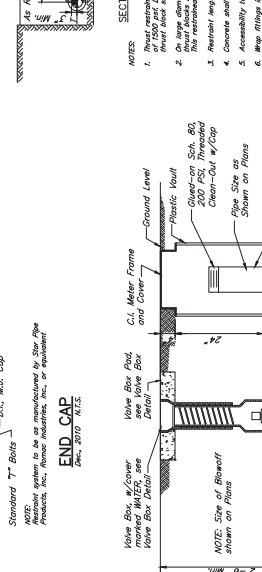
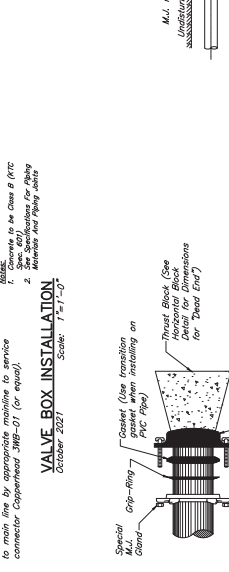
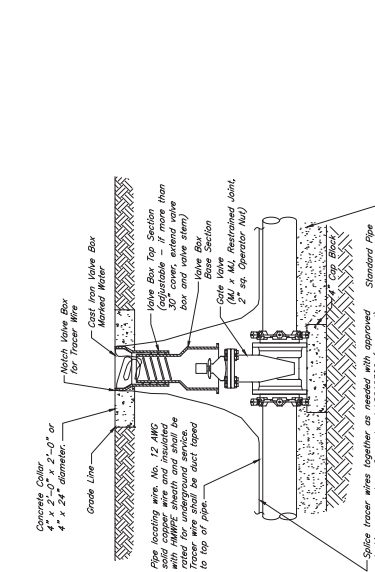
VERTICAL THRUST BLOCK
 October 2022
 Scale: 1/4\"/>

SIZE (INCHES)	50' BEND	45' BEND	22 1/2' BEND	11 1/4' BEND	11 1/4' END
8	114	81	43	25	13
10	174	123	66	35	18
12	218	178	86	46	23
14	262	222	106	57	28
16	306	266	126	68	33
18	350	310	146	79	38
20	394	354	166	90	43
22	438	398	186	101	48
24	482	442	206	112	53



HORIZONTAL THRUST BLOCK
 October 2022
 Scale: 1/4\"/>

SIZE (INCHES)	50' BEND	45' BEND	22 1/2' BEND	11 1/4' BEND	11 1/4' END
8	114	81	43	25	13
10	174	123	66	35	18
12	218	178	86	46	23
14	262	222	106	57	28
16	306	266	126	68	33
18	350	310	146	79	38
20	394	354	166	90	43
22	438	398	186	101	48
24	482	442	206	112	53



NOTES:

- Number of All-Thread Rods and type of Nut-Lugs depends on pressure on line.
- Vertical effects: All-Thread Rod fitting to fitting and bore if applicable.

VERTICAL THRUST BLOCK

1. Thrust restraint table is based on ultimate pressure of 200 psi and working capacity must be determined by the Engineer.

2. On large diameter pipes where space limitations or other obstructions make concrete thrust blocks impractical, a steel thrust block may be used. This restrained joint system must be approved by the Engineer.

3. Concrete shall be 3000 psi minimum conformity to KYC Specifications 601.

4. Accessibility to fittings and bolts must be maintained.

5. Wrap fittings in plastic prior to placing concrete.

NOTES:

- Thrust restraint table is based on ultimate pressure of 200 psi and working capacity must be determined by the Engineer.
- On large diameter pipes where space limitations or other obstructions make concrete thrust blocks impractical, a steel thrust block may be used. This restrained joint system must be approved by the Engineer.
- Restraint length 30' minimum in both directions.
- Concrete shall be 3000 psi minimum conformity to KYC Specifications 601.
- Accessibility to fittings and bolts must be maintained.
- Wrap fittings in plastic prior to placing concrete.

HORIZONTAL THRUST BLOCK

1. Thrust restraint table is based on ultimate pressure of 200 psi and working capacity must be determined by the Engineer.

2. On large diameter pipes where space limitations or other obstructions make concrete thrust blocks impractical, a steel thrust block may be used. This restrained joint system must be approved by the Engineer.

3. Restraint length 30' minimum in both directions.

4. Concrete shall be 3000 psi minimum conformity to KYC Specifications 601.

5. Accessibility to fittings and bolts must be maintained.

6. Wrap fittings in plastic prior to placing concrete.

MISCELLANEOUS DETAILS

DITCHLINE DETAIL
 Oct. 2022
 Scale: 1/4\"/>

VERTICAL THRUST BLOCK
 October 2022
 Scale: 1/4\"/>

HORIZONTAL THRUST BLOCK
 October 2022
 Scale: 1/4\"/>

VALVE BOX INSTALLATION
 October 2022
 Scale: 1/4\"/>

END CAP
 Oct. 2022
 Scale: 1/4\"/>

BLOWOFF ASSEMBLY DETAIL
 October 2022
 Scale: 1/4\"/>

PROPOSAL BID ITEMS

Report Date 7/12/22

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	16,167.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	100.00	TON		\$	
0030	00100		ASPHALT SEAL AGGREGATE	384.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	46.60	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	2,302.00	TON		\$	
0060	00212		CL2 ASPH BASE 1.00D PG64-22	971.00	TON		\$	
0070	00214		CL3 ASPH BASE 1.00D PG64-22	4,026.00	TON		\$	
0080	00301		CL2 ASPH SURF 0.38D PG64-22	1,039.00	TON		\$	
0090	00307		CL2 ASPH SURF 0.38B PG64-22	1,835.00	TON		\$	
0100	00356		ASPHALT MATERIAL FOR TACK	62.70	TON		\$	
0110	00388		CL3 ASPH SURF 0.38B PG64-22	12,931.00	TON		\$	
0120	02562		TEMPORARY SIGNS	520.00	SQFT		\$	
0130	02650		MAINTAIN & CONTROL TRAFFIC (US 25W 012-014)	1.00	LS		\$	
0140	02650		MAINTAIN & CONTROL TRAFFIC (US 25W 014-016)	1.00	LS		\$	
0150	02650		MAINTAIN & CONTROL TRAFFIC (US 25W 022-025)	1.00	LS		\$	
0160	02676		MOBILIZATION FOR MILL & TEXT (US 25W 012-014)	1.00	LS		\$	
0170	02676		MOBILIZATION FOR MILL & TEXT (US 25W 014-016)	1.00	LS		\$	
0180	02676		MOBILIZATION FOR MILL & TEXT (WHITLEY US 25W)	1.00	LS		\$	
0190	02677		ASPHALT PAVE MILLING & TEXTURING	3,900.00	TON		\$	
0200	02697		EDGELINE RUMBLE STRIPS	90,367.00	LF		\$	
0210	06510		PAVE STRIPING-TEMP PAINT-4 IN	49,380.00	LF		\$	
0220	06511		PAVE STRIPING-TEMP PAINT-6 IN	27,500.00	LF		\$	
0230	06542		PAVE STRIPING-THERMO-6 IN W	51,380.00	LF		\$	
0240	06543		PAVE STRIPING-THERMO-6 IN Y	56,880.00	LF		\$	
0250	06568		PAVE MARKING-THERMO STOP BAR-24IN	117.00	LF		\$	
0260	06569		PAVE MARKING-THERMO CROSS-HATCH	1,500.00	SQFT		\$	
0270	06574		PAVE MARKING-THERMO CURV ARROW	16.00	EACH		\$	
0280	10020NS		FUEL ADJUSTMENT	4,681.00	DOLL	\$1.00	\$	\$4,681.00
0290	10030NS		ASPHALT ADJUSTMENT	11,756.00	DOLL	\$1.00	\$	\$11,756.00
0300	20458ES403		CENTERLINE RUMBLE STRIPS	565.00	LF		\$	
0310	24880EC		REMOVE PAVEMENT MARKER	290.00	EACH		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0320	00078		CRUSHED AGGREGATE SIZE NO 2	1,104.00	TON		\$	
0330	01875		STANDARD HEADER CURB	469.00	LF		\$	
0340	02159		TEMP DITCH	2,116.00	LF		\$	
0350	02160		CLEAN TEMP DITCH	1,059.00	LF		\$	
0360	02200		ROADWAY EXCAVATION (REVISED 5-11-2022)	9,869.00	CUYD		\$	
0370	02242		WATER	589.00	MGAL		\$	

PROPOSAL BID ITEMS

Report Date 7/12/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0380	02429		RIGHT-OF-WAY MONUMENT TYPE 1	16.00	EACH		\$	
0390	02432		WITNESS POST	3.00	EACH		\$	
0400	02483		CHANNEL LINING CLASS II	594.00	TON		\$	
0410	02545		CLEARING AND GRUBBING (APPROX 5.9 ACRES)	1.00	LS		\$	
0420	02575		DITCHING AND SHOULDERING	48,279.00	LF		\$	
0430	02585		EDGE KEY	124.00	LF		\$	
0440	02602		FABRIC-GEOTEXTILE CLASS 1	1,000.00	SQYD		\$	
0450	02603		FABRIC-GEOTEXTILE CLASS 2	834.00	SQYD		\$	
0460	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	303.00	SQYD	\$2.00	\$	\$606.00
0470	02650		MAINTAIN & CONTROL TRAFFIC (WHITLEY US 25W)	1.00	LS		\$	
0480	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0490	02701		TEMP SILT FENCE	8,631.00	LF		\$	
0500	02703		SILT TRAP TYPE A	9.00	EACH		\$	
0510	02704		SILT TRAP TYPE B	9.00	EACH		\$	
0520	02705		SILT TRAP TYPE C	9.00	EACH		\$	
0530	02706		CLEAN SILT TRAP TYPE A	9.00	EACH		\$	
0540	02707		CLEAN SILT TRAP TYPE B	9.00	EACH		\$	
0550	02708		CLEAN SILT TRAP TYPE C	9.00	EACH		\$	
0560	02726		STAKING (WHITLEY US 25W)	1.00	LS		\$	
0570	04933		TEMP SIGNAL 2 PHASE	4.00	EACH		\$	
0580	05950		EROSION CONTROL BLANKET	5,378.00	SQYD		\$	
0590	05952		TEMP MULCH	10,010.00	SQYD		\$	
0600	05953		TEMP SEEDING AND PROTECTION	7,507.00	SQYD		\$	
0610	05963		INITIAL FERTILIZER	.90	TON		\$	
0620	05964		MAINTENANCE FERTILIZER	.60	TON		\$	
0630	05985		SEEDING AND PROTECTION	10,955.00	SQYD		\$	
0640	05992		AGRICULTURAL LIMESTONE	6.80	TON		\$	
0650	06427		TRENCHING	30,058.00	LF		\$	
0660	06510		PAVE STRIPING-TEMP PAINT-4 IN	2,895.00	LF		\$	
0670	06511		PAVE STRIPING-TEMP PAINT-6 IN	135,688.00	LF		\$	
0680	06514		PAVE STRIPING-PERM PAINT-4 IN	2,895.00	LF		\$	
0690	06542		PAVE STRIPING-THERMO-6 IN W	67,844.00	LF		\$	
0700	06543		PAVE STRIPING-THERMO-6 IN Y	67,844.00	LF		\$	
0710	06574		PAVE MARKING-THERMO CURV ARROW	4.00	EACH		\$	
0720	10020NS		FUEL ADJUSTMENT	33,934.00	DOLL	\$1.00	\$	\$33,934.00
0730	10030NS		ASPHALT ADJUSTMENT	64,778.00	DOLL	\$1.00	\$	\$64,778.00
0740	21289ED		LONGITUDINAL EDGE KEY	30,058.00	LF		\$	
0750	24540		R/W MONUMENT TYPE 3	7.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0760	00440		ENTRANCE PIPE-15 IN	41.00	LF		\$	
0770	00462		CULVERT PIPE-18 IN	184.00	LF		\$	
0780	00521		STORM SEWER PIPE-15 IN	84.00	LF		\$	
0790	00522		STORM SEWER PIPE-18 IN	84.00	LF		\$	

PROPOSAL BID ITEMS

Report Date 7/12/22

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0800	01450		S & F BOX INLET-OUTLET-18 IN	7.00	EACH		\$	
0810	01456		CURB BOX INLET TYPE A	3.00	EACH		\$	
0820	24694ED		BOX CULVERT (8 FT x 3 FT RCBC)	56.00	LF		\$	
0830	24694ED		BOX CULVERT (8 FT x 5 FT RCBC)	72.00	LF		\$	

Section: 0004 - SEWER

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0840	00388		CL3 ASPH SURF 0.38B PG64-22 (TRENCH PAVEMENT REPLACEMENT)	30.00	TON		\$	
0850	01310		REMOVE PIPE	287.00	LF		\$	
0860	02220		FLOWABLE FILL	70.00	CUYD		\$	
0870	03262		CLEAN PIPE STRUCTURE	2.00	EACH		\$	
0880	08100		CONCRETE-CLASS A (6 INCH CONCRETE TRENCH PAVEMENT REPLACEMENT)	45.00	CUYD		\$	
0890	15000		S BYPASS PUMPING	2.00	EACH		\$	
0900	15092		S MANHOLE	3.00	EACH		\$	
0910	15093		S MANHOLE ABANDON/REMOVE	2.00	EACH		\$	
0920	15094		S MANHOLE ADJUST TO GRADE	1.00	EACH		\$	
0930	15112		S PIPE PVC 08 INCH	297.00	LF		\$	
0940	24814EC		PIPELINE INSPECTION	287.00	LF		\$	

Section: 0005 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0950	02562		TEMPORARY SIGNS	1,000.00	SQFT		\$	
0960	06406		SBM ALUM SHEET SIGNS .080 IN	518.00	SQFT		\$	
0970	06407		SBM ALUM SHEET SIGNS .125 IN	141.00	SQFT		\$	
0980	06410		STEEL POST TYPE 1	862.00	LF		\$	
0990	24631EC		BARCODE SIGN INVENTORY	149.00	EACH		\$	

Section: 0006 - GUARDRAIL

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1000	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	140.00	EACH		\$	
1010	02360		GUARDRAIL TERMINAL SECTION NO 1	31.00	EACH		\$	
1020	02367		GUARDRAIL END TREATMENT TYPE 1	8.00	EACH		\$	
1030	02369		GUARDRAIL END TREATMENT TYPE 2A	1.00	EACH		\$	
1040	02371		GUARDRAIL END TREATMENT TYPE 7	4.00	EACH		\$	
1050	02373		GUARDRAIL END TREATMENT TYPE 3	20.00	EACH		\$	
1060	02381		REMOVE GUARDRAIL	10,250.00	LF		\$	
1070	20191ED		OBJECT MARKER TY 3	8.00	EACH		\$	
1080	21802EN		G/R STEEL W BEAM-S FACE (7 FT POST)	10,250.00	LF		\$	

PROPOSAL BID ITEMS

Report Date 7/12/22

Section: 0007 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1090	14003		W CAP EXISTING MAIN	6.00	EACH		\$	
1100	14007		W ENCASEMENT STEEL BORED RANGE 2	160.00	LF		\$	
1110	14008		W ENCASEMENT STEEL BORED RANGE 3	80.00	LF		\$	
1120	14028		W METER 3/4 INCH	2.00	EACH		\$	
1122	14034		W PIPE DUCTILE IRON 03 INCH WITH NITRILE GASKETS (ADDED 7-12-2022)	337.00	LF		\$	
1124	14036		W PIPE DUCTILE IRON 06 INCH WITH NITRILE GASKETS (ADDED 7-12-2022)	520.00	LF		\$	
1140	14058		W PIPE PVC 04 INCH	330.00	LF		\$	
1150	14059		W PIPE PVC 06 INCH (REVISED 7-12-2022)	1,310.00	LF		\$	
1160	14085		W SERV PE/PLST SHORT SIDE 3/4 IN	2.00	EACH		\$	
1170	14089		W TAPPING SLEEVE AND VALVE SIZE 1	7.00	EACH		\$	
1180	14091		W TIE-IN 02 INCH	1.00	EACH		\$	
1190	14094		W TIE-IN 06 INCH	1.00	EACH		\$	
1200	14102		W VALVE 02 INCH	1.00	EACH		\$	
1210	14153		W LEAK DETECTION METER	2.00	EACH		\$	
1220	14158		W BLOWOFF ASSEMBLY (WHITLEY US 25W)	5.00	EACH		\$	

Section: 0008 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1230	02568		MOBILIZATION	1.00	LS		\$	
1240	02569		DEMOBILIZATION	1.00	LS		\$	