



**TRANSPORTATION CABINET**

Frankfort, Kentucky 40622  
www.transportation.ky.gov/

**Steven L. Beshear**  
Governor

**Michael W. Hancock, P.E.**  
Secretary

November 19, 2013

CALL NO. 310  
CONTRACT ID NO. 131224  
ADDENDUM # 2

Subject: Bullitt County, FD04 015 0061 017-020  
Letting November 22, 2013

- (1) Revised - Plan Sheets
- (2) Revised - Special Notes - Pages 38-53 of 247
- (3) Revised - Bid Items - Pages 242-247 of 247

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

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

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

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith  
Acting Director  
Division of Construction Procurement

RG:ks  
Enclosures



An Equal Opportunity Employer M/F/D

# GENERAL SUMMARY SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.31	R2G

FILE NAME: U:\93370F\SEC3\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\ROAD0200SL.DGN  
 USER: Lg1n1thum  
 DATE PLOTTED: November 18, 2013  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

ITEM CODE	ITEM	UNIT	MAINLINE KY 61 RURAL	KY 61 CONNECTOR	APPROACH @ MAINLINE STA. 6+700 RT.	BELLS MILL LANE	EXISTING KY 61 @ BELLS MILL LANE	FRONTAGE ROAD NO. 3	VICKIE DRIVE	APPROACH ROAD NO. 3	WEST HEBRON LANE	FRONTAGE ROAD NO. 4	JOHN HARPER HIGHWAY	EXISTING KY 61 REBUILD	MOT FRONTAGE RD. NO. 3 ACCESS	PROJECT TOTALS
01063M	STEEL ENCASMENT PIPE-6 IN (10)	METER	113.2													113.2
01982	DELINEATOR FOR GUARDRAIL - M/W	EACH	64		4			4				8				80
01984	DELINEATOR FOR BARRIER - WHITE	EACH	6													6
02003M	RELOCATE TEMP CONC MED BARRIER	METER	246						14							260
02014	BARRICADE - TYPE III	EACH	25		1	2			1	2	5	1		1		38
02091M	REMOVING PAVEMENT (6)	SQ M	1,753							283						2,036
02159M	TEMPORARY DITCH (4)	METER	2,902													2,902
02200M	ROADWAY EXCAVATION (1)	CU M	346,881	2,352	512	31,634	218	5,980	3,639	268	2,594	1,414		1,908		397,400
02223M	GRANULAR EMBANKMENT (7)	CU M	81													81
02242M	WATER (FOR DUST CONTROL) (2)	CU M	21													21
02262M	FENCE - WOVEN WIRE TYPE 1	METER	4,593			71				128						4,792
02265M	REMOVE FENCE	METER											87			87
02351M	GUARDRAIL-STEEL W BEAM-S FACE	METER	1,422.1		60.0			118.1				236.2				1,836.4
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	10									4				14
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	8					2		1						11
02381M	REMOVE GUARDRAIL	METER	381							66						447
02397M	TEMP GUARDRAIL	METER	149													149
02429	RIGHT OF WAY MONUMENT, TYPE 1	EACH	80			6										86
02430	RIGHT OF WAY MONUMENT, TYPE 1A	EACH	1													1
02432	WITNESS POST	EACH	20			2										22
02469	CLEAN SINKHOLE	EACH	1													1
02483M	CHANNEL LINING CLASS II	M TON	689		17					18	36					760
02484M	CHANNEL LINING CLASS III	M TON	2,105		159			562	113	124		442				3,505
02545	CLEARING AND GRUBBING (3)	LP SUM	1													1
02562M	SIGNS	SQ M	100													100
02568	MOBILIZATION	LP SUM	1													1
02569	DEMOBILIZATION	LP SUM	1													1
02585M	EDGE KEY	METER		7		7	15	6	11		6	6				58
02596M	FABRIC-GEOTEXTILE TYPE I	SQ M	2,830		171			516	103	142	53	406				4,221
02599M	FABRIC-GEOTEXTILE TYPE IV (7) (9)	SQ M	148,269													148,269
02650	MAINTAIN AND CONTROL TRAFFIC	LP SUM	1													1
02651	DIVERSIONS (BY-PASS DETOURS) (8)	LP SUM												1		1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2										2			4
02696M	SHOULDER RUMBLE STRIPS - SAWED	METER	8,200	480												8,680
02701M	TEMPORARY SILT FENCE (3)	METER	2,902													2,902
02703	SILT TRAP TYPE A (3)	EACH	52													52
02704	SILT TRAP TYPE B (3)	EACH	52													52
02705	SILT TRAP TYPE C (3)	EACH	14													14
02706	CLEAN SILT TRAP TYPE A (5)	EACH	104													104

EARTHWORK TOTALS	
<b>EXCAVATION</b>	
156,297	COMMON KY 61 RURAL
2,078	COMMON KY 61 CONNECTOR
355	COMMON APPROACH RD. @ STA. 6+700 RT.
29,486	COMMON BELLS MILL LANE
218	COMMON EXIST. KY 61 @ BELLS MILL LANE
4,308	COMMON FRONTAGE ROAD NO. 3
2,957	COMMON VICKIE DRIVE
160	COMMON APPROACH ROAD NO. 3
1,694	COMMON WEST HEBRON LANE
1,205	COMMON FRONTAGE ROAD NO. 4
1,908	COMMON EXIST. KY 61 REBUILD
184,983	SOLID ROCK KY 61 RURAL
274	SOLID ROCK KY 61 CONNECTOR
157	SOLID ROCK APPR. RD. @ STA. 6+700 RT.
2,148	SOLID ROCK BELLS MILL LANE
1,672	SOLID ROCK FRONTAGE ROAD NO. 3
682	SOLID ROCK VICKIE DRIVE
0	SOLID ROCK APPROACH ROAD NO. 3
900	SOLID ROCK WEST HEBRON LANE
159	SOLID ROCK FRONTAGE ROAD NO. 4
<b>391,641</b>	<b>TOTAL EXCAVATION</b>
<b>EMBANKMENT</b>	
127,544	EMB KY 61 RURAL
554	EMB KY 61 CONNECTOR
208	EMB APPROACH RD. @ STA. 6+700 RT.
58	EMB BELLS MILL LANE
0	EMB EXIST. KY 61 @ BELLS MILL LANE
551	EMB FRONTAGE ROAD NO. 3
9	EMB VICKIE DRIVE
13,075	EMB APPROACH ROAD NO. 3
44	EMB WEST HEBRON LANE
3,058	EMB FRONTAGE ROAD NO. 4
6	EMB EXIST. KY 61 REBUILD
62,580	ROCK ROADBED KY 61 RURAL
2,164	ROCK ROADBED KY 61 CONNECTOR
0	ROCK ROADBED EXIST. KY 61 REBUILD
<b>209,851</b>	<b>TOTAL EMBANKMENT</b>

**EARTHWORK ADJUSTMENTS FOR ALTERNATE PAVEMENT DESIGNS**  
 CROSS SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR THE ASPHALT PAVEMENT ALTERNATE WITH A THICKNESS OF 360mm (14.5 INCHES). IF THE CONCRETE OR GEOGRID PAVEMENT ALTERNATE IS SELECTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EARTHWORK TOTALS USING THE CONCRETE OR GEOGRID TYPICAL SECTION AND THE PROFILE GRADE SHOWN ON THE PLANS.

FOR DRAINAGE QUANTITIES - SEE DRAINAGE SUMMARY SHEETS R2Q-R2R	FOR PAVING QUANTITIES - SEE PAVING SUMMARY SHEETS R2K-R2M
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- (1) ROADWAY EXCAVATION INCLUDES:**  
 200,666 COMMON  
 190,975 SOLID ROCK  
 3,651 FOUNDATION BENCHING  
 2,108 SURFACE DITCH  
 397,400
- (2) FOR CONTROLLING DUST CAUSED BY MAINTENANCE OF TRAFFIC ONLY.**  
 ESTIMATED AT THE RATE OF 4.998 kl/km (4.112 km TOTAL).
- (3) APPROXIMATELY 23.937 HECTARES (59.150 ACRES).**
- (4) QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R74-R83).**
- (5) BASED ON A RATE OF 2 CLEANINGS PER CONSTR. SEASON, 1 SEASON TOTAL.**
- (6) REMOVE CUL-DE-SAC ON EXIST. KY 61 (294 SQ M), EXIST. KY 61 CONNECTOR (765 SQ M), & EXIST. KY 61 (1,221 SQ M FROM STA. 6+500 TO STA. 6+676.35)**
- (7) GRANULAR EMBANKMENT WITH GEOTEXTILE FABRIC TYPE IV FOR EXISTING SINKHOLE 27m (88.6 Ft.) LEFT OF STATION 8+720**
- (8) DIVERSION (FRONTAGE RD. NO. 3 ACCESS) STA. 3+833.290 TO 3+894.250**
- (9) 148,215 SQ M CARRIED OVER FROM PAVING SUMMARY**
- (10) FOR AT&T LEGACY (REFER TO UTILITY SHEETS UI3 AND UI4). CAP EACH END WHEN COMPLETE; CAP IS INCIDENTAL TO ENCASMENT PIPE.**

**METRIC**

# GENERAL SUMMARY SHEET

▲ REVISED 11-18-13

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.31	R2G

FILE NAME: U:\93370F\SEC3\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\ROAD0200SL.DGN  
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 MicroStation v8.11.7.443

ITEM CODE	ITEM	UNIT	MAINLINE KY 61 RURAL	KY 61 CONNECTOR	APPROACH @ MAINLINE STA. 6+700 RT.	BELLS MILL LANE	EXISTING KY 61 @ BELLS MILL LANE	FRONTAGE ROAD NO. 3	VICKIE DRIVE	APPROACH ROAD NO. 3	WEST HEBRON LANE	FRONTAGE ROAD NO. 4	JOHN HARPER HIGHWAY	EXISTING KY 61 REBUILD	MOT FRONTAGE RD. NO. 3 ACCESS	PROJECT TOTALS
01063M	STEEL ENCASMENT PIPE-6 IN (10)	METER	113.2													113.2
01982	DELINEATOR FOR GUARDRAIL - M/W	EACH	64		4			4				8				80
01984	DELINEATOR FOR BARRIER - WHITE	EACH	6													6
02003M	RELOCATE TEMP CONC MED BARRIER	METER	246						14							260
02014	BARRICADE - TYPE III	EACH	25		1	2			1	2	5	1		1		38
02091M	REMOVING PAVEMENT (6)	SQ M	1,753							283						2,036
02159M	TEMPORARY DITCH (4)	METER	2,902													2,902
02200M	ROADWAY EXCAVATION (1)	CU M	346,881	2,352	512	31,634	218	5,980	3,639	268	2,594	1,414		1,908		397,400
02223M	GRANULAR EMBANKMENT (7)	CU M	81													81
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02351M	GUARDRAIL-STEEL W BEAM-S FACE	METER	1,422.1		60.0			118.1				236.2				1,836.4
02367	GUARDRAIL END TREATMENT TYPE 1	EACH	10									4				14
02369	GUARDRAIL END TREATMENT TYPE 2A	EACH	8					2		1						11
02381M	REMOVE GUARDRAIL	METER	381							66						447
02397M	TEMP GUARDRAIL	METER	149													149
02429	RIGHT OF WAY MONUMENT, TYPE 1	EACH	80			6										86
02430	RIGHT OF WAY MONUMENT, TYPE 1A	EACH	1													1
02432	WITNESS POST	EACH	20			2										22
02469	CLEAN SINKHOLE	EACH	1													1
02483M	CHANNEL LINING CLASS II	M TON	689		17					18	36					760
02484M	CHANNEL LINING CLASS III	M TON	2,105	▲	159			562	113	124		442		▲		3,505
02545	CLEARING AND GRUBBING (3)	LP SUM	1													1
02562M	SIGNS	SQ M	100													100
02568	MOBILIZATION	LP SUM	1													1
02569	DEMOBILIZATION	LP SUM	1													1
02585M	EDGE KEY	METER		7		7	15	6	11		6	6				58
02596M	FABRIC-GEOTEXTILE TYPE I	SQ M	2,830		171			516	103	142	53	406				4,221
02599M	FABRIC-GEOTEXTILE TYPE IV (7) (9)	SQ M	148,269													148,269
02650	MAINTAIN AND CONTROL TRAFFIC	LP SUM	1													1
02651	DIVERSIONS (BY-PASS DETOURS) (8)	LP SUM												1		1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2										2			4
02696M	SHOULDER RUMBLE STRIPS - SAWED	METER	8,200	480												8,680
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FOR DRAINAGE QUANTITIES - SEE DRAINAGE SUMMARY SHEETS R2Q-R2R  
 FOR PAVING QUANTITIES - SEE PAVING SUMMARY SHEETS R2K-R2M

- ① ROADWAY EXCAVATION INCLUDES:**
- 200,666 COMMON
  - 190,975 SOLID ROCK
  - 3,651 FOUNDATION BENCHING
  - 2,108 SURFACE DITCH
  - 397,400
- ② FOR CONTROLLING DUST CAUSED BY MAINTENANCE OF TRAFFIC ONLY.** ESTIMATED AT THE RATE OF 4.998 kl/km (4.112 km TOTAL).
- ③ APPROXIMATELY 23.937 HECTARES (59.150 ACRES).**
- ④ QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R74-R83).**
- ⑤ BASED ON A RATE OF 2 CLEANINGS PER CONSTR. SEASON, 1 SEASON TOTAL.**
- ⑥ REMOVE CUL-DE-SAC ON EXIST. KY 61 (294 SQ M), EXIST. KY 61 CONNECTOR (765 SQ M), & EXIST. KY 61 (1,221 SQ M FROM STA. 6+500 TO STA. 6+676.35)**
- ⑦ GRANULAR EMBANKMENT WITH GEOTEXTILE FABRIC TYPE IV FOR EXISTING SINKHOLE 27m (88.6 Ft.) LEFT OF STATION 8+720**
- ⑧ DIVERSION (FRONTAGE RD. NO. 3 ACCESS) STA. 3+833.290 TO 3+894.250**
- ⑨ 148,215 SQ M CARRIED OVER FROM PAVING SUMMARY**
- ⑩ FOR AT&T LEGACY (REFER TO UTILITY SHEETS UI3 AND UI4). CAP EACH END WHEN COMPLETE; CAP IS INCIDENTAL TO ENCASMENT PIPE.**

METRIC

# GENERAL SUMMARY SHEET

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.31	R21

FILE NAME: U:\93370F\SEC3\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\ROAD0201SU.DGN  
 USER: Lg1nThum  
 DATE PLOTTED: November 18, 2013  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

ITEM CODE	ITEM	UNIT	MAINLINE KY 61 RURAL	KY 61 CONNECTOR	APPROACH @ MAINLINE STA. 6+700 RT.	BELLS MILL LANE	EXISTING KY 61 @ BELLS MILL LANE	FRONTAGE ROAD NO. 3	VICKIE DRIVE	APPROACH ROAD NO. 3	WEST HEBRON LANE	FRONTAGE ROAD NO. 4	JOHN HARPER HIGHWAY	EXISTING KY 61 REBUILD	MOT FRONTAGE RD. NO. 3 ACCESS	PROJECT TOTALS
1063	STEEL ENCASUREMENT PIPE-6 IN (10)	LIN FT	372													372
1982	DELINEATOR FOR GUARDRAIL - M/W	EACH	64		4			4				8				80
1984	DELINEATOR FOR BARRIER - WHITE	EACH	6													6
2003	RELOCATE TEMP CONC MED BARRIER	LIN FT	807						46							853
2014	BARRICADE - TYPE III	EACH	25		1	2			1	2	5	1		1		38
2091	REMOVING PAVEMENT (6)	SQ YD	2,097							338						2,435
2159	TEMPORARY DITCH (4)	LIN FT	9,521													9,521
2200	ROADWAY EXCAVATION (1)	CU YD	453,700	3,076	669	41,375	285	7,822	4,760	350	3,393	1,849		2,496		519,775
2223	GRANULAR EMBANKMENT (7)	CU YD	160													106
2242	WATER (FOR DUST CONTROL) (2)	M GAL	5.43													5.43
2262	FENCE - WOVEN WIRE TYPE 1	LIN FT	15,069			233				420						15,722
2265	REMOVE FENCE	LIN FT											285			285
2351	GUARDRAIL-STEEL W BEAM-S FACE	LIN FT	4,666		197			387				775				6,025
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	10									4				14
2369	GUARDRAIL END TREATMENT TYPE 2A	EACH	8					2		1						11
2381	REMOVE GUARDRAIL	LIN FT	1,250							217						1,467
2397	TEMP GUARDRAIL	LIN FT	489													489
2429	RIGHT OF WAY MONUMENT, TYPE 1	EACH	80			6										86
2430	RIGHT OF WAY MONUMENT, TYPE 1A	EACH	1													1
2432	WITNESS POST	EACH	20			2										22
2469	CLEAN SINKHOLE	EACH	1													1
2483	CHANNEL LINING CLASS II	TON	759.6		19.1					19.3	40.2					838.2
2484	CHANNEL LINING CLASS III	TON	2,320.4		175.6			619.7	123.8	136.7		487.4				3,863.6
2545	CLEARING AND GRUBBING (3)	LP SUM	1													1
2562	SIGNS	SQ FT	1,076													1,076
2568	MOBILIZATION	LP SUM	1													1
2569	DEMOBILIZATION	LP SUM	1													1
2585	EDGE KEY	LIN FT		23		23	49	20	36		20	20				191
2596	FABRIC-GEOTEXTILE TYPE I	SQ YD	3,384		205			617	123	170	63	486				5,048
2599	FABRIC-GEOTEXTILE TYPE IV (7)(9)	SQ YD	173,261													173,261
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM	1													1
02651	DIVERSIONS (BY-PASS DETOURS) (8)	LP SUM													1	1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2										2			4
2696	SHOULDER RUMBLE STRIPS - SAWED	LIN FT	26,903	1,575												28,478
2701	TEMPORARY SILT FENCE (3)	OLIN FT	9,521													9,521
2703	SILT TRAP TYPE A (3)	EACH	52													52
2704	SILT TRAP TYPE B (3)	EACH	52													52
2705	SILT TRAP TYPE C (3)	EACH	14													14
2706	CLEAN SILT TRAP TYPE A (5)	EACH	104													104

EARTHWORK TOTALS	
<b>EXCAVATION</b>	
204,428	COMMON KY 61 RURAL
2,718	COMMON KY 61 CONNECTOR
464	COMMON APPROACH RD. @ STA. 6+700 RT.
38,566	COMMON BELLS MILL LANE
285	COMMON EXIST. KY 61 @ BELLS MILL LANE
5,635	COMMON FRONTAGE ROAD NO. 3
3,868	COMMON VICKIE DRIVE
209	COMMON APPROACH ROAD NO. 3
2,216	COMMON WEST HEBRON LANE
1,576	COMMON FRONTAGE ROAD NO. 4
2,496	COMMON EXIST. KY 61 REBUILD
241,947	SOLID ROCK KY 61 RURAL
358	SOLID ROCK KY 61 CONNECTOR
205	SOLID ROCK APPR. RD. @ STA. 6+700 RT.
2,809	SOLID ROCK BELLS MILL LANE
2,187	SOLID ROCK FRONTAGE ROAD NO. 3
892	SOLID ROCK VICKIE DRIVE
0	SOLID ROCK APPROACH ROAD NO. 3
1,177	SOLID ROCK WEST HEBRON LANE
208	SOLID ROCK FRONTAGE ROAD NO. 4
<b>512,244</b>	<b>TOTAL EXCAVATION</b>
<b>EMBANKMENT</b>	
166,820	EMB KY 61 RURAL
725	EMB KY 61 CONNECTOR
272	EMB APPROACH RD. @ STA. 6+700 RT.
76	EMB BELLS MILL LANE
0	EMB EXIST. KY 61 @ BELLS MILL LANE
721	EMB FRONTAGE ROAD NO. 3
12	EMB VICKIE DRIVE
17,101	EMB APPROACH ROAD NO. 3
58	EMB WEST HEBRON LANE
4,000	EMB FRONTAGE ROAD NO. 4
8	EMB EXIST. KY 61 REBUILD
81,851	ROCK ROADBED KY 61 RURAL
2,830	ROCK ROADBED KY 61 CONNECTOR
0	ROCK ROADBED EXIST. KY 61 REBUILD
<b>274,474</b>	<b>TOTAL EMBANKMENT</b>

**EARTHWORK ADJUSTMENTS FOR ALTERNATE PAVEMENT DESIGNS**

CROSS SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR THE ASPHALT PAVEMENT ALTERNATE WITH A THICKNESS OF 14.5 INCHES. IF THE CONCRETE OR GEOGRID PAVEMENT ALTERNATE IS SELECTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EARTHWORK TOTALS USING THE CONCRETE OR GEOGRID TYPICAL SECTION AND THE PROFILE GRADE SHOWN ON THE PLANS.

FOR DRAINAGE QUANTITIES - SEE DRAINAGE SUMMARY SHEETS R2S-R2T	FOR PAVING QUANTITIES - SEE PAVING SUMMARY SHEETS R2N-R2P
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- (1) ROADWAY EXCAVATION INCLUDES:**
- 262,461 COMMON
  - 249,783 SOLID ROCK
  - 4,775 FOUNDATION BENCHING
  - 2,756 SURFACE DITCH
- 519,775
- (2) FOR CONTROLLING DUST CAUSED BY MAINTENANCE OF TRAFFIC ONLY. ESTIMATED AT THE RATE OF 2.125 M GAL PER MILE. (2.5551 MILES TOTAL)**
- (3) APPROXIMATELY 59.150 ACRES.**
- (4) QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R74-R83).**
- (5) BASED ON A RATE OF 2 CLEANINGS PER CONSTR. SEASON, 1 SEASON TOTAL.**
- (6) REMOVE CUL-DE-SAC ON EXIST. KY 61 (351 SQ YD), EXIST. KY 61 CONNECTOR (915 SQ YD), & EXIST. KY 61 (1,341 SQ YD FROM STA. 6+500 TO STA. 6+676.35)**
- (7) GRANULAR EMBANKMENT WITH GEOTEXTILE FABRIC TYPE IV FOR EXISTING SINKHOLE 27m (88.6 Ft.) LEFT OF STATION 8+720**
- (8) DIVERSION (FRONTAGE RD. NO. 3 ACCESS) STA. 3+833.290 TO 3+894.250**
- (9) 173,196 SQ. YD. CARRIED OVER FROM PAVING SUMMARY**
- (10) FOR AT&T LEGACY (REFER TO UTILITY SHEETS U13 AND U14). CAP EACH END WHEN COMPLETE; CAP IS INCIDENTAL TO ENCASUREMENT PIPE.**

ENGLISH

# GENERAL SUMMARY SHEET

1 REVISED 11-18-13

COUNTY OF	ITEM NO.	SHEET NO.
BULLITT	5-117.31	R21

FILE NAME: U:\93370F\SEC3\ELECTRONIC SUBMITTAL\CONTRACT PLANS AND PROPOSAL\CONTRACT PLAN SET\ROADWAY\ROAD0201SU.DGN  
 USER: LgntHum  
 DATE PLOTTED: November 18, 2013  
 E-SHEET NAME:  
 MicroStation v8.11.7.443

ITEM CODE	ITEM	UNIT	MAINLINE KY 61 RURAL	KY 61 CONNECTOR	APPROACH @ MAINLINE STA. 6+700 RT.	BELLS MILL LANE	EXISTING KY 61 @ BELLS MILL LANE	FRONTAGE ROAD NO. 3	VICKIE DRIVE	APPROACH ROAD NO. 3	WEST HEBRON LANE	FRONTAGE ROAD NO. 4	JOHN HARPER HIGHWAY	EXISTING KY 61 REBUILD	MOT FRONTAGE RD. NO. 3 ACCESS	PROJECT TOTALS
1063	STEEL ENCASUREMENT PIPE-6 IN (10)	LIN FT	372													372
1982	DELINEATOR FOR GUARDRAIL - M/W	EACH	64		4			4				8				80
1984	DELINEATOR FOR BARRIER - WHITE	EACH	6													6
2003	RELOCATE TEMP CONC MED BARRIER	LIN FT	807						46							853
2014	BARRICADE - TYPE III	EACH	25		1	2			1	2	5	1		1		38
2091	REMOVING PAVEMENT (6)	SQ YD	2,097							338						2,435
2159	TEMPORARY DITCH (4)	LIN FT	9,521													9,521
2200	ROADWAY EXCAVATION (1)	CU YD	453,700	3,076	669	41,375	285	7,822	4,760	350	3,393	1,849		2,496		519,775
2223	GRANULAR EMBANKMENT (7)	CU YD	160													106
2242	WATER (FOR DUST CONTROL) (2)	M GAL	5.43													5.43
2262	FENCE - WOVEN WIRE TYPE 1	LIN FT	15,069			233				420						15,722
2265	REMOVE FENCE	LIN FT											285			285
2351	GUARDRAIL-STEEL W BEAM-S FACE	LIN FT	4,666		197			387				775				6,025
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	10									4				14
2369	GUARDRAIL END TREATMENT TYPE 2A	EACH	8					2		1						11
2381	REMOVE GUARDRAIL	LIN FT	1,250							217						1,467
2397	TEMP GUARDRAIL	LIN FT	489													489
2429	RIGHT OF WAY MONUMENT, TYPE 1	EACH	80			6										86
2430	RIGHT OF WAY MONUMENT, TYPE 1A	EACH	1													1
2432	WITNESS POST	EACH	20			2										22
2469	CLEAN SINKHOLE	EACH	1													1
2483	CHANNEL LINING CLASS II	TON	759.6		19.1					19.3	40.2					838.2
2484	CHANNEL LINING CLASS III	TON	2,320.4		175.6			619.7	123.8	136.7		487.4				3,863.6
2545	CLEARING AND GRUBBING (3)	LP SUM														1
2562	SIGNS	SQ FT	1,076													1,076
2568	MOBILIZATION	LP SUM	1													1
2569	DEMOBILIZATION	LP SUM	1													1
2585	EDGE KEY	LIN FT		23		23	49	20	36		20	20				191
2596	FABRIC-GEOTEXTILE TYPE I	SQ YD	3,384		205			617	123	170	63	486				5,048
2599	FABRIC-GEOTEXTILE TYPE IV (7)(9)	SQ YD	173,261													173,261
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM	1													1
02651	DIVERSIONS (BY-PASS DETOURS) (8)	LP SUM												1		1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2										2			4
2696	SHOULDER RUMBLE STRIPS - SAWED	LIN FT	26,903	1,575												28,478
2701	TEMPORARY SILT FENCE (3)	OLIN FT	9,521													9,521
2703	SILT TRAP TYPE A (3)	EACH	52													52
2704	SILT TRAP TYPE B (3)	EACH	52													52
2705	SILT TRAP TYPE C (3)	EACH	14													14
2706	CLEAN SILT TRAP TYPE A (5)	EACH	104													104

EARTHWORK TOTALS	
<b>EXCAVATION</b>	
204,428	COMMON KY 61 RURAL
2,718	COMMON KY 61 CONNECTOR
464	COMMON APPROACH RD. @ STA. 6+700 RT.
38,566	COMMON BELLS MILL LANE
285	COMMON EXIST. KY 61 @ BELLS MILL LANE
5,635	COMMON FRONTAGE ROAD NO. 3
3,868	COMMON VICKIE DRIVE
209	COMMON APPROACH ROAD NO. 3
2,216	COMMON WEST HEBRON LANE
1,576	COMMON FRONTAGE ROAD NO. 4
2,496	COMMON EXIST. KY 61 REBUILD
241,947	SOLID ROCK KY 61 RURAL
358	SOLID ROCK KY 61 CONNECTOR
205	SOLID ROCK APPR. RD. @ STA. 6+700 RT.
2,809	SOLID ROCK BELLS MILL LANE
2,187	SOLID ROCK FRONTAGE ROAD NO. 3
892	SOLID ROCK VICKIE DRIVE
0	SOLID ROCK APPROACH ROAD NO. 3
1,177	SOLID ROCK WEST HEBRON LANE
208	SOLID ROCK FRONTAGE ROAD NO. 4
<b>512,244</b>	<b>TOTAL EXCAVATION</b>
<b>EMBANKMENT</b>	
166,820	EMB KY 61 RURAL
725	EMB KY 61 CONNECTOR
272	EMB APPROACH RD. @ STA. 6+700 RT.
76	EMB BELLS MILL LANE
0	EMB EXIST. KY 61 @ BELLS MILL LANE
721	EMB FRONTAGE ROAD NO. 3
12	EMB VICKIE DRIVE
17,101	EMB APPROACH ROAD NO. 3
58	EMB WEST HEBRON LANE
4,000	EMB FRONTAGE ROAD NO. 4
8	EMB EXIST. KY 61 REBUILD
81,851	ROCK ROADBED KY 61 RURAL
2,830	ROCK ROADBED KY 61 CONNECTOR
0	ROCK ROADBED EXIST. KY 61 REBUILD
<b>274,474</b>	<b>TOTAL EMBANKMENT</b>

**EARTHWORK ADJUSTMENTS FOR ALTERNATE PAVEMENT DESIGNS**  
 CROSS SECTIONS FOR THIS PROJECT WERE DEVELOPED FOR THE ASPHALT PAVEMENT ALTERNATE WITH A THICKNESS OF 14.5 INCHES. IF THE CONCRETE OR GEOGRID PAVEMENT ALTERNATE IS SELECTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE EARTHWORK TOTALS USING THE CONCRETE OR GEOGRID TYPICAL SECTION AND THE PROFILE GRADE SHOWN ON THE PLANS.

FOR DRAINAGE QUANTITIES - SEE DRAINAGE SUMMARY SHEETS R2S-R2T

FOR PAVING QUANTITIES - SEE PAVING SUMMARY SHEETS R2N-R2P

- (1) ROADWAY EXCAVATION INCLUDES:**  
 262,461 COMMON  
 249,783 SOLID ROCK  
 4,775 FOUNDATION BENCHING  
 2,756 SURFACE DITCH  
 519,775
- (2) FOR CONTROLLING DUST CAUSED BY MAINTENANCE OF TRAFFIC ONLY. ESTIMATED AT THE RATE OF 2.125 M GAL PER MILE. (2.5551 MILES TOTAL)**
- (3) APPROXIMATELY 59.150 ACRES.**
- (4) QUANTITIES BROUGHT OVER FROM EROSION CONTROL PLANS (SHTS. R74-R83).**
- (5) BASED ON A RATE OF 2 CLEANINGS PER CONSTR. SEASON, 1 SEASON TOTAL.**
- (6) REMOVE CUL-DE-SAC ON EXIST. KY 61 (351 SQ YD), EXIST. KY 61 CONNECTOR (915 SQ YD), & EXIST. KY 61 (1,341 SQ YD FROM STA. 6+500 TO STA. 6+676.35)**
- (7) GRANULAR EMBANKMENT WITH GEOTEXTILE FABRIC TYPE IV FOR EXISTING SINKHOLE 27m (88.6 Ft.) LEFT OF STATION 8+720**
- (8) DIVERSION (FRONTAGE RD. NO. 3 ACCESS) STA. 3+833.290 TO 3+894.250**
- (9) 173,196 SQ. YD. CARRIED OVER FROM PAVING SUMMARY**
- (10) FOR AT&T LEGACY (REFER TO UTILITY SHEETS U13 AND U14). CAP EACH END WHEN COMPLETE; CAP IS INCIDENTAL TO ENCASUREMENT PIPE.**

ENGLISH

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

**DITCH CONST. NOTES - LT. (KY 61 CONNECTOR)**

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
6+296 TO 6+320	0.6m F.B. SPEC. DT.	TRM TYPE 1	52.5 SQ.-M	0.3m	-	-
6+320 TO 6+420	0.6m F.B. SPEC. DT.	ROCK	-	-	-	-

**BEGIN GRADE & DRAIN.**

STA. 6+420.000 PROP. C KY 61

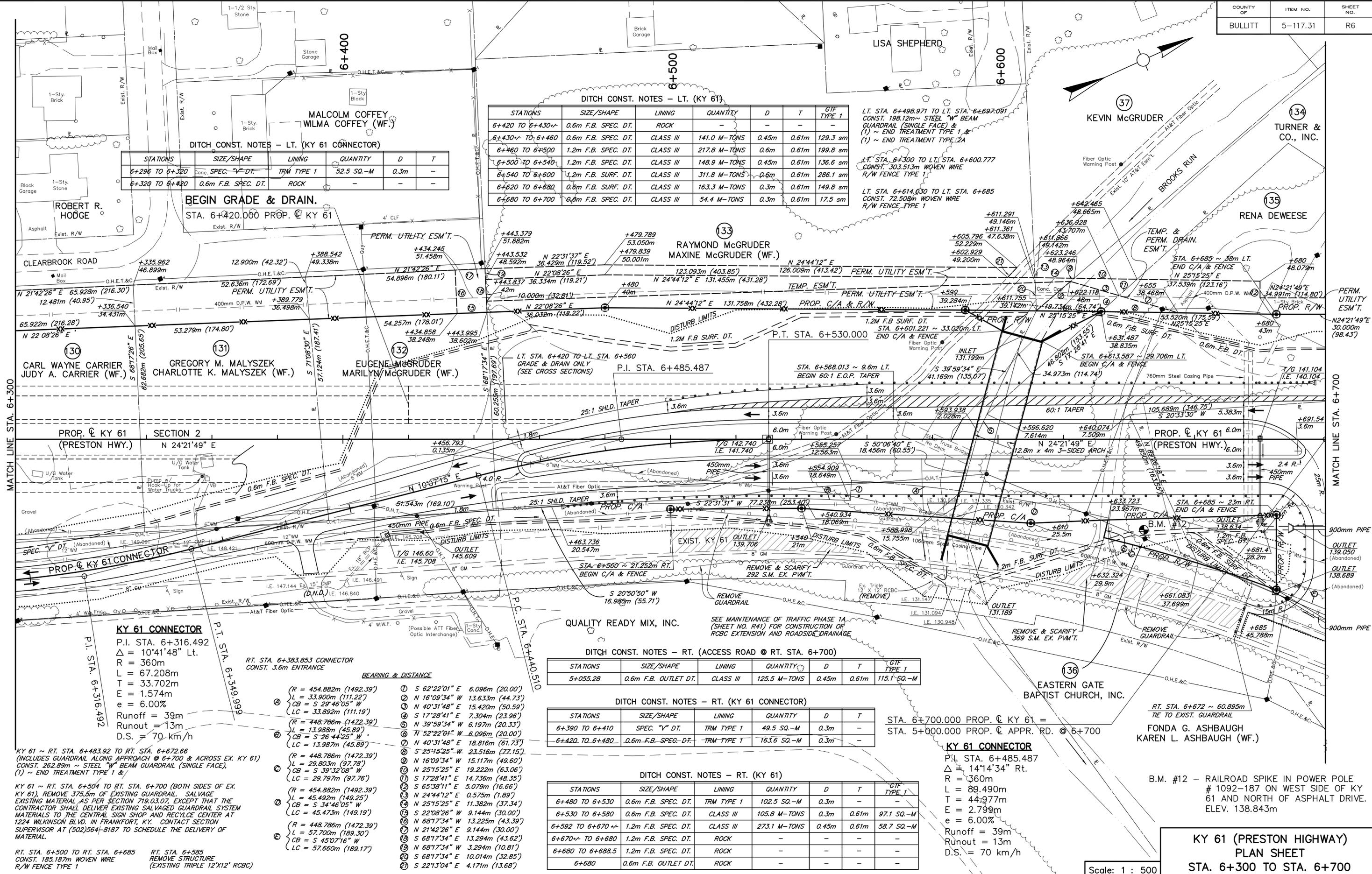
**DITCH CONST. NOTES - LT. (KY 61)**

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
6+420 TO 6+430	0.6m F.B. SPEC. DT.	ROCK	-	-	-	-
6+430 TO 6+460	0.6m F.B. SPEC. DT.	CLASS III	141.0 M-TONS	0.45m	0.61m	129.3 sm
6+460 TO 6+500	1.2m F.B. SPEC. DT.	CLASS III	217.8 M-TONS	0.6m	0.61m	199.8 sm
6+500 TO 6+540	1.2m F.B. SPEC. DT.	CLASS III	148.9 M-TONS	0.45m	0.61m	136.6 sm
6+540 TO 6+600	1.2m F.B. SURF. DT.	CLASS III	311.8 M-TONS	0.6m	0.61m	286.1 sm
6+620 TO 6+680	0.6m F.B. SURF. DT.	CLASS III	163.3 M-TONS	0.3m	0.61m	149.8 sm
6+680 TO 6+700	0.6m F.B. SPEC. DT.	CLASS III	54.4 M-TONS	0.3m	0.61m	17.5 sm

LT. STA. 6+498.971 TO LT. STA. 6+697.091  
 CONST. 198.12m STEEL "W" BEAM  
 GUARDRAIL (SINGLE FACE) &  
 (1) ~ END TREATMENT TYPE 1 &  
 (1) ~ END TREATMENT TYPE 2A

LT. STA. 6+300 TO LT. STA. 6+600.777  
 CONST. 303.513m WOVEN WIRE  
 R/W FENCE TYPE 1

LT. STA. 6+614.030 TO LT. STA. 6+685  
 CONST. 72.508m WOVEN WIRE  
 R/W FENCE TYPE 1



**SECTION 2**

N 24°21'49" E

PROP. C KY 61

(PRESTON HWY.)

6.0m

**DITCH CONST. NOTES - RT. (ACCESS ROAD @ RT. STA. 6+700)**

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
5+055.28	0.6m F.B. OUTLET DT.	CLASS III	125.5 M-TONS	0.45m	0.61m	115.1 SQ.-M

**DITCH CONST. NOTES - RT. (KY 61 CONNECTOR)**

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
6+390 TO 6+410	SPEC. "V" DT.	TRM TYPE 1	49.5 SQ.-M	0.3m	-	-
6+420 TO 6+480	0.6m F.B. SPEC. DT.	TRM TYPE 1	163.6 SQ.-M	0.3m	-	-

**DITCH CONST. NOTES - RT. (KY 61)**

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
6+480 TO 6+530	0.6m F.B. SPEC. DT.	TRM TYPE 1	102.5 SQ.-M	0.3m	-	-
6+530 TO 6+580	0.6m F.B. SPEC. DT.	CLASS III	105.8 M-TONS	0.3m	0.61m	97.1 SQ.-M
6+592 TO 6+670	1.2m F.B. SPEC. DT.	CLASS III	273.1 M-TONS	0.45m	0.61m	58.7 SQ.-M
6+670 TO 6+680	1.2m F.B. SPEC. DT.	ROCK	-	-	-	-
6+680 TO 6+688.5	1.2m F.B. SPEC. DT.	ROCK	-	-	-	-
6+680	0.6m F.B. OUTLET DT.	ROCK	-	-	-	-

**KY 61 CONNECTOR**

P.I. STA. 6+316.492

Δ = 10°41'48" Lt.

R = 360m

L = 67.208m

T = 33.702m

E = 1.574m

e = 6.00%

Runoff = 39m

Runout = 13m

D.S. = 70 km/h

RT. STA. 6+383.853 CONNECTOR

CONST. 3.6m ENTRANCE

BEARING & DISTANCE

(R = 454.882m (1492.39'))

(L = 33.900m (111.22'))

(CB = S 29°46'05" W

LC = 33.892m (111.19'))

(R = 448.786m (1472.39'))

(L = 13.988m (45.89'))

(CB = S 26°44'25" W

LC = 13.987m (45.89'))

(R = 448.786m (1472.39'))

(L = 29.803m (97.78'))

(CB = S 34°46'05" W

LC = 29.797m (97.76'))

(R = 454.882m (1492.39'))

(L = 45.492m (149.25'))

(CB = S 34°46'05" W

LC = 45.473m (149.19'))

(R = 448.786m (1472.39'))

(L = 57.700m (189.30'))

(CB = S 45°07'16" W

LC = 57.660m (189.17'))

(R = 454.882m (1492.39'))

(L = 29.803m (97.78'))

(CB = S 34°46'05" W

LC = 29.797m (97.76'))

(R = 448.786m (1472.39'))

(L = 13.988m (45.89'))

(CB = S 26°44'25" W

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LC = 29.797m (97.76'))

(R = 454.882m (1492.39'))

(L = 45.492m (149.25'))

(CB = S 34°46'05" W

REVISION 11-15-13

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

DITCH CONST. NOTES - LT. (KY 61 CONNECTOR)

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
6+296 TO 6+320	0.6m F.B. SPEC. DT.	TRM TYPE 1	52.5 SQ.-M	0.3m	-	-
6+320 TO 6+420	0.6m F.B. SPEC. DT.	ROCK	-	-	-	-

DITCH CONST. NOTES - LT. (KY 61)

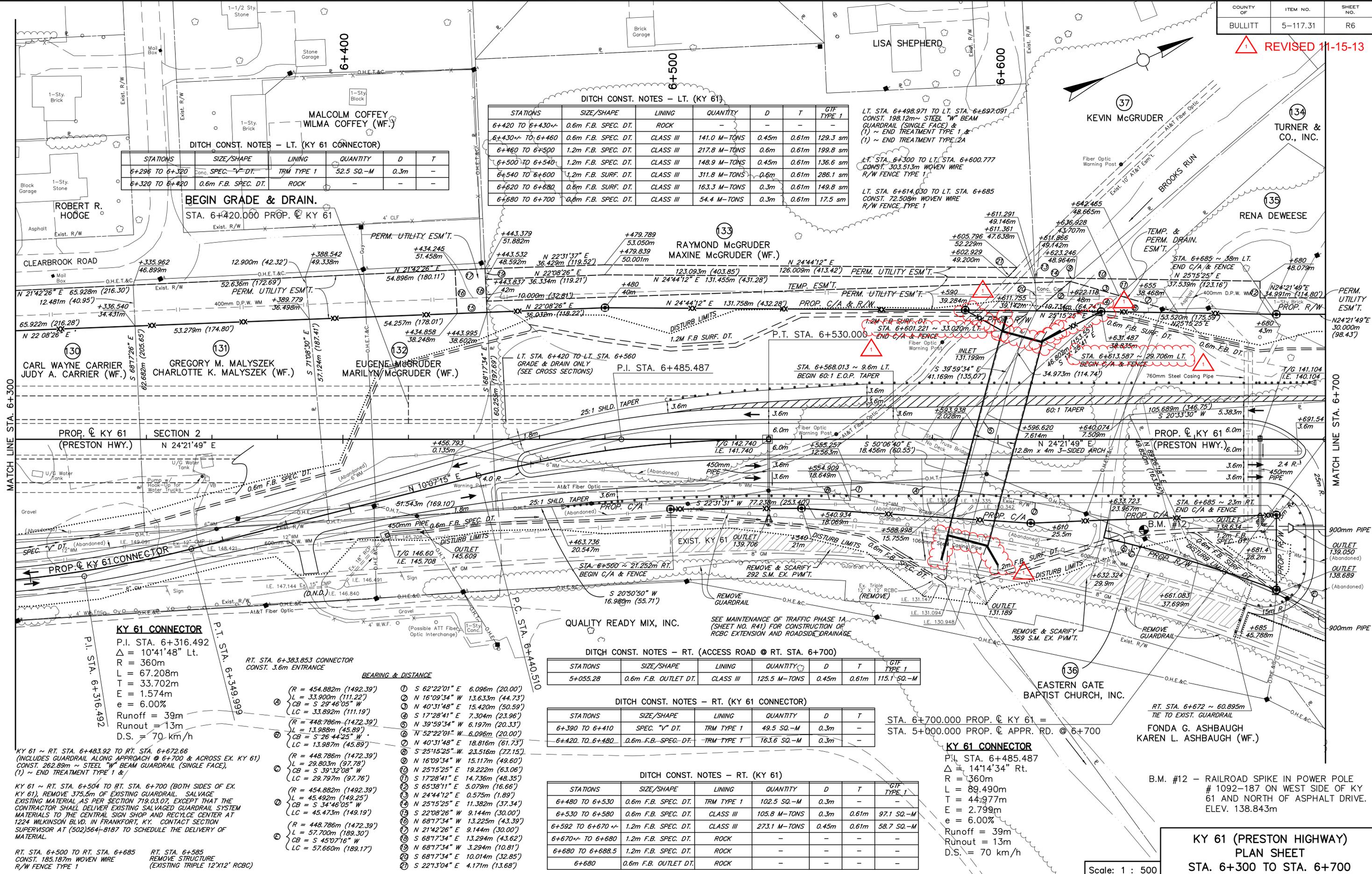
STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
6+420 TO 6+430	0.6m F.B. SPEC. DT.	ROCK	-	-	-	-
6+430 TO 6+460	0.6m F.B. SPEC. DT.	CLASS III	141.0 M-TONS	0.45m	0.61m	129.3 sqm
6+460 TO 6+500	1.2m F.B. SPEC. DT.	CLASS III	217.8 M-TONS	0.6m	0.61m	199.8 sqm
6+500 TO 6+540	1.2m F.B. SPEC. DT.	CLASS III	148.9 M-TONS	0.45m	0.61m	136.6 sqm
6+540 TO 6+600	1.2m F.B. SURF. DT.	CLASS III	311.8 M-TONS	0.6m	0.61m	286.1 sqm
6+620 TO 6+680	0.6m F.B. SURF. DT.	CLASS III	163.3 M-TONS	0.3m	0.61m	149.8 sqm
6+680 TO 6+700	0.6m F.B. SPEC. DT.	CLASS III	54.4 M-TONS	0.3m	0.61m	17.5 sqm

LT. STA. 6+498.971 TO LT. STA. 6+697.091  
 CONST. 198.12m STEEL "W" BEAM  
 GUARDRAIL (SINGLE FACE) &  
 (1) ~ END TREATMENT TYPE 1 &  
 (1) ~ END TREATMENT TYPE 2A

LT. STA. 6+300 TO LT. STA. 6+600.777  
 CONST. 303.513m WOVEN WIRE  
 R/W FENCE TYPE 1

LT. STA. 6+614.030 TO LT. STA. 6+685  
 CONST. 72.508m WOVEN WIRE  
 R/W FENCE TYPE 1

BEGIN GRADE & DRAIN.  
 STA. 6+420.000 PROP. C KY 61



**KY 61 CONNECTOR**  
 P.I. STA. 6+316.492  
 Δ = 10°41'48" Lt.  
 R = 360m  
 L = 67.208m  
 T = 33.702m  
 E = 1.574m  
 e = 6.00%  
 Runoff = 39m  
 Runout = 13m  
 D.S. = 70 km/h

RT. STA. 6+383.853 CONNECTOR  
 CONST. 3.6m ENTRANCE

BEARING & DISTANCE

(R = 454.882m (1492.39'))	① S 62°22'01" E 6.096m (20.00')
(L = 33.900m (111.22'))	② N 16°09'34" W 13.633m (44.73')
(CB = S 29°46'05" W	③ N 40°31'48" E 15.420m (50.59')
LC = 33.892m (111.19'))	④ S 17°28'41" E 7.304m (23.96')
(R = 448.786m (1472.39'))	⑤ N 39°59'34" W 6.197m (20.33')
(L = 13.988m (45.89'))	⑥ N 52°22'01" W 6.096m (20.00')
(CB = S 26°44'25" W	⑦ N 40°31'48" E 18.816m (61.73')
LC = 13.987m (45.89'))	⑧ S 25°45'25" W 23.516m (77.15')
(R = 448.786m (1472.39'))	⑨ N 16°09'34" W 15.117m (49.60')
(L = 29.803m (97.78'))	⑩ N 25°15'25" E 19.222m (63.06')
(CB = S 34°46'05" W	⑪ S 17°28'41" E 14.736m (48.35')
LC = 29.797m (97.76'))	⑫ S 65°38'11" E 5.079m (16.66')
(R = 454.882m (1492.39'))	⑬ N 24°44'12" E 0.575m (1.89')
(L = 45.492m (149.25'))	⑭ N 25°15'25" E 11.382m (37.34')
(CB = S 34°46'05" W	⑮ S 22°08'26" W 9.144m (30.00')
LC = 45.473m (149.19'))	⑯ N 68°17'34" W 13.225m (43.39')
(R = 448.786m (1472.39'))	⑰ N 21°42'26" E 9.144m (30.00')
(L = 57.700m (189.30'))	⑱ S 68°17'34" E 13.294m (43.62')
(CB = S 45°07'16" W	⑳ N 68°17'34" W 3.294m (10.81')
LC = 57.660m (189.17'))	㉑ S 68°17'34" E 10.014m (32.85')
	㉒ S 22°13'04" E 4.171m (13.68')

DITCH CONST. NOTES - RT. (ACCESS ROAD @ RT. STA. 6+700)

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
5+055.28	0.6m F.B. OUTLET DT.	CLASS III	125.5 M-TONS	0.45m	0.61m	115.1 SQ.-M

DITCH CONST. NOTES - RT. (KY 61 CONNECTOR)

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
6+390 TO 6+410	SPEC. "V" DT.	TRM TYPE 1	49.5 SQ.-M	0.3m	-	-
6+420 TO 6+480	0.6m F.B. SPEC. DT.	TRM TYPE 1	163.6 SQ.-M	0.3m	-	-

DITCH CONST. NOTES - RT. (KY 61)

STATIONS	SIZE/SHAPE	LINING	QUANTITY	D	T	GIF TYPE 1
6+480 TO 6+530	0.6m F.B. SPEC. DT.	TRM TYPE 1	102.5 SQ.-M	0.3m	-	-
6+530 TO 6+580	0.6m F.B. SPEC. DT.	CLASS III	105.8 M-TONS	0.3m	0.61m	97.1 SQ.-M
6+592 TO 6+670	1.2m F.B. SPEC. DT.	CLASS III	273.1 M-TONS	0.45m	0.61m	58.7 SQ.-M
6+670 TO 6+680	1.2m F.B. SPEC. DT.	ROCK	-	-	-	-
6+680 TO 6+688.5	1.2m F.B. SPEC. DT.	ROCK	-	-	-	-
6+680	0.6m F.B. OUTLET DT.	ROCK	-	-	-	-

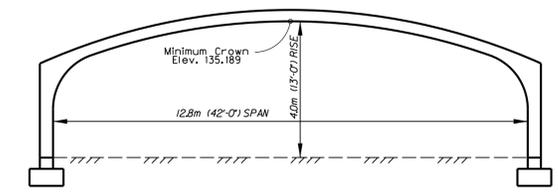
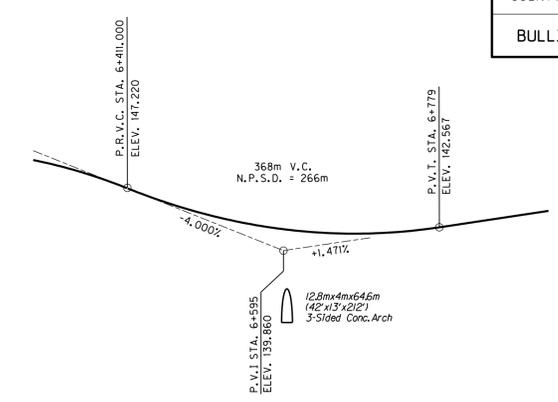
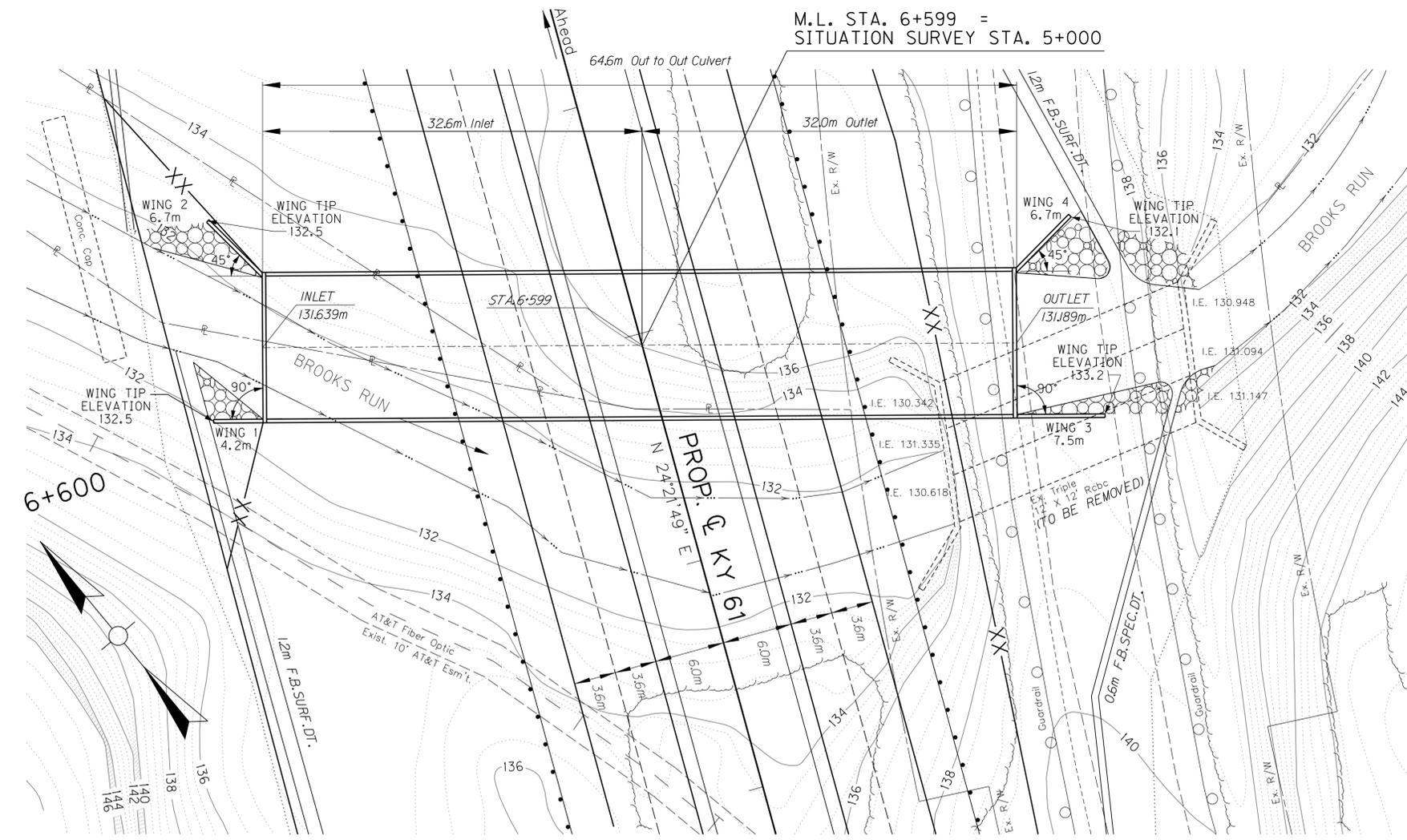
STA. 6+700.000 PROP. C KY 61 =  
 STA. 5+000.000 PROP. C APPR. RD. @ 6+700

**KY 61 CONNECTOR**  
 P.I. STA. 6+485.487  
 Δ = 14°14'34" Rt.  
 R = 360m  
 L = 89.490m  
 T = 44.977m  
 E = 2.799m  
 e = 6.00%  
 Runoff = 39m  
 Runout = 13m  
 D.S. = 70 km/h

B.M. #12 - RAILROAD SPIKE IN POWER POLE  
 # 1092-187 ON WEST SIDE OF KY  
 61 AND NORTH OF ASPHALT DRIVE.  
 ELEV. 138.843m

**KY 61 (PRESTON HIGHWAY)**  
 PLAN SHEET  
 STA. 6+300 TO STA. 6+700

Scale: 1 : 500



Note: Opening of three sided concrete arch culvert shall be 42.7 square meters (460 sf) or greater.

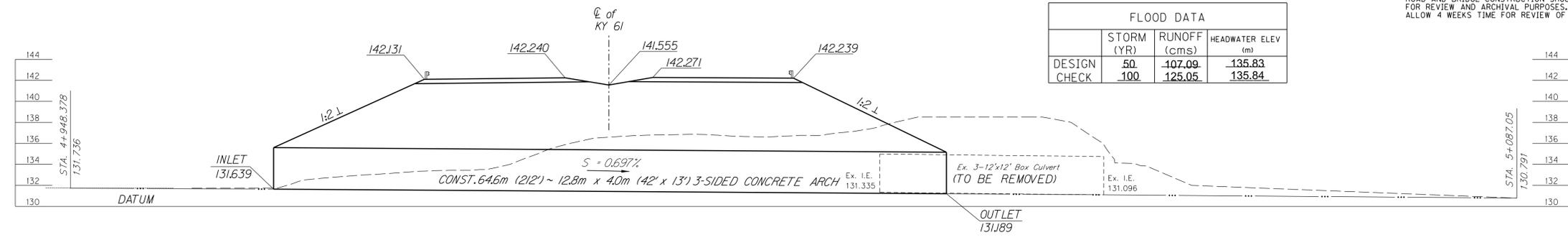
SHOWN IN THESE DRAWINGS IS :  
 CONSPAN "LONG SPAN SERIES" 42' SPAN X 13' RISE, LISTED FLOW AREA OF 460 SQUARE FEET (42.7 SM)  
 OTHER ACCEPTABLE ALTERNATES AS SHOWN IN THE "APPROVED LIST FOR 3-SIDED CULVERTS": NONE

GENERAL NOTES

- DIMENSIONS AND ELEVATIONS SHOWN ARE APPROXIMATE AND INTENDED TO CONVEY ENOUGH INFORMATION TO DEVELOP DETAIL STRUCTURAL DRAWINGS, AND BIDDING DOCUMENTS. IF CONTRACTOR DESIRES TO MODIFY THIS LAYOUT, NO PAYMENT ADJUSTMENTS WILL BE ALLOWED.
- IF A LISTED ALTERNATE IS USED, CROWN ELEVATIONS MUST BE EQUAL TO OR GREATER THAN THE MINIMUM CROWN ELEVATION SHOWN HERE. IF MODIFICATIONS TO THE LAYOUT DUE TO SELECTION OF AN ALTERNATE STRUCTURE ARE REQUIRED, NO PAYMENT ADJUSTMENTS WILL BE ALLOWED.
- ALL WORK TO CONSTRUCT THE 3-SIDED CULVERT IS PAID FOR UNDER THE BID ITEMS "3-SIDED CULVERT" AND "FOUNDATION PREPARATION." "3-SIDED CULVERT" IS A LINEAR FOOT BID ITEM THAT COVERS ALL WORK TO CONSTRUCT THE CULVERT THAT IS NOT COVERED UNDER "FOUNDATION PREPARATION". THIS INCLUDES LABOR AND MATERIALS TO CONSTRUCT FOUNDATIONS, CULVERT SECTIONS, WING WALLS, PARAPET WALLS (ALSO REFERRED TO AS HEADWALLS), JOINT SEALING, AND STRUCTURE DRAINAGE APPURTENANCES. AS PER SECTION 603 OF THE KYTC STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, "STRUCTURE EXCAVATION SOLID ROCK" WILL BE MEASURED AND PAID FOR AS NEEDED. GUARDRAIL WILL ALSO BE MEASURED AND PAID FOR SEPARATELY.
- ALL COMPONENTS MUST BE DESIGNED TO MEET STRUCTURAL REQUIREMENTS AS SET FORTH FOR EARTH, DEAD, AND HL-93 LIVE LOAD IN AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, WITH INTERIMS. ALL DESIGNS SUBMITTED FOR CONSIDERATION MUST BE PERFORMED AND STAMPED BY A QUALIFIED PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF KENTUCKY.
- ALL FOUNDATION DESIGNS MUST BE IN ACCORDANCE WITH THE APPROPRIATE PROJECT GEOTECHNICAL INVESTIGATION.
- ALL MATERIALS USED MUST BE IN CONFORMANCE WITH KYTC STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, THE KYTC LIST OF APPROVED MATERIALS, AND ALL APPLICABLE ASTM AND AASHTO STANDARDS.
- ALL PRECAST COMPONENTS SHALL BE MANUFACTURED BY A FABRICATOR APPROVED BY KYTC AND BE IN STRICT COMPLIANCE WITH SECTION 605 OF THE KENTUCKY TRANSPORTATION CABINET, DEPARTMENT OF HIGHWAYS, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- COMPLY WITH SECTION 106.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION BUY AMERICAN REQUIREMENT.
- IN ACCORDANCE WITH SECTION 611 OF KYTC STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, WEEP HOLES WILL BE REQUIRED FOR THESE STRUCTURES.
- 3-SIDED STRUCTURES THAT REQUIRE SPECIAL BACKFILL CONTRARY TO KYTC STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION WILL REQUIRE A CERTIFICATION LETTER STATING THAT THE BACKFILL WAS CONSTRUCTED PROPERLY. THE LETTER WILL BE SIGNED BY THE CONTRACTOR AND THE MANUFACTURER OF THE 3-SIDED STRUCTURE AND WILL BE SUBMITTED TO THE RESIDENT ENGINEER.
- THE MANUFACTURER OR SUPPLIER MUST PROVIDE 6 COPIES OF DETAILED SHOP DRAWINGS FOR FINAL APPROVAL FOR USE ON THIS PROJECT. BACKFILL REQUIREMENTS AND ANY SPECIFICATIONS THAT ARE CONTRARY TO THE KYTC STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHOULD BE SUPPLIED AS WELL. INCLUDE ONE SET OF STRUCTURAL DESIGN CALCULATIONS FOR REVIEW AND ARCHIVAL PURPOSES. THIS INFORMATION WILL BE SUBMITTED TO THE DIVISION OF CONSTRUCTION. ALLOW 4 WEEKS TIME FOR REVIEW OF THIS MATERIAL.

**GENERAL PLAN**  
 12.8m x 4m x 6.46m (42' x 13' x 212')  
 Three Sided Concrete Arch @ 15°00'00" Skew Rt.  
 CONSTRUCT 112.3 MTONS ~ CL3 CHANNEL LINING  
 FOR BANK PROTECTION AT INLET/OUTLET.

FLOOD DATA			
	STORM (YR)	RUNOFF (cms)	HEADWATER ELEV (m)
DESIGN	50	107.09	135.83
CHECK	100	125.05	135.84



**ELEVATION ALONG Q OF CULVERT**

FILE NAME: G:\PWORK\MSP\01451\KYTC\_SHEET\_CEL

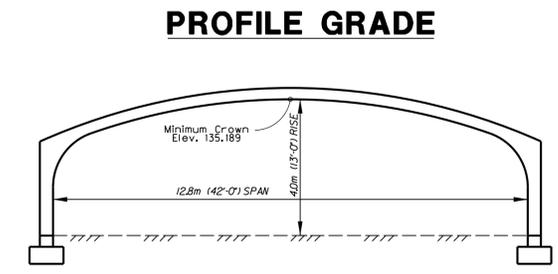
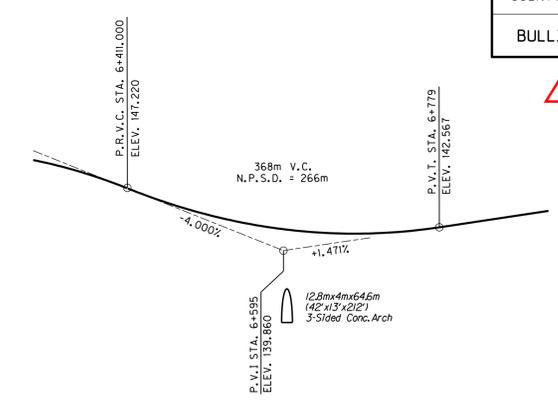
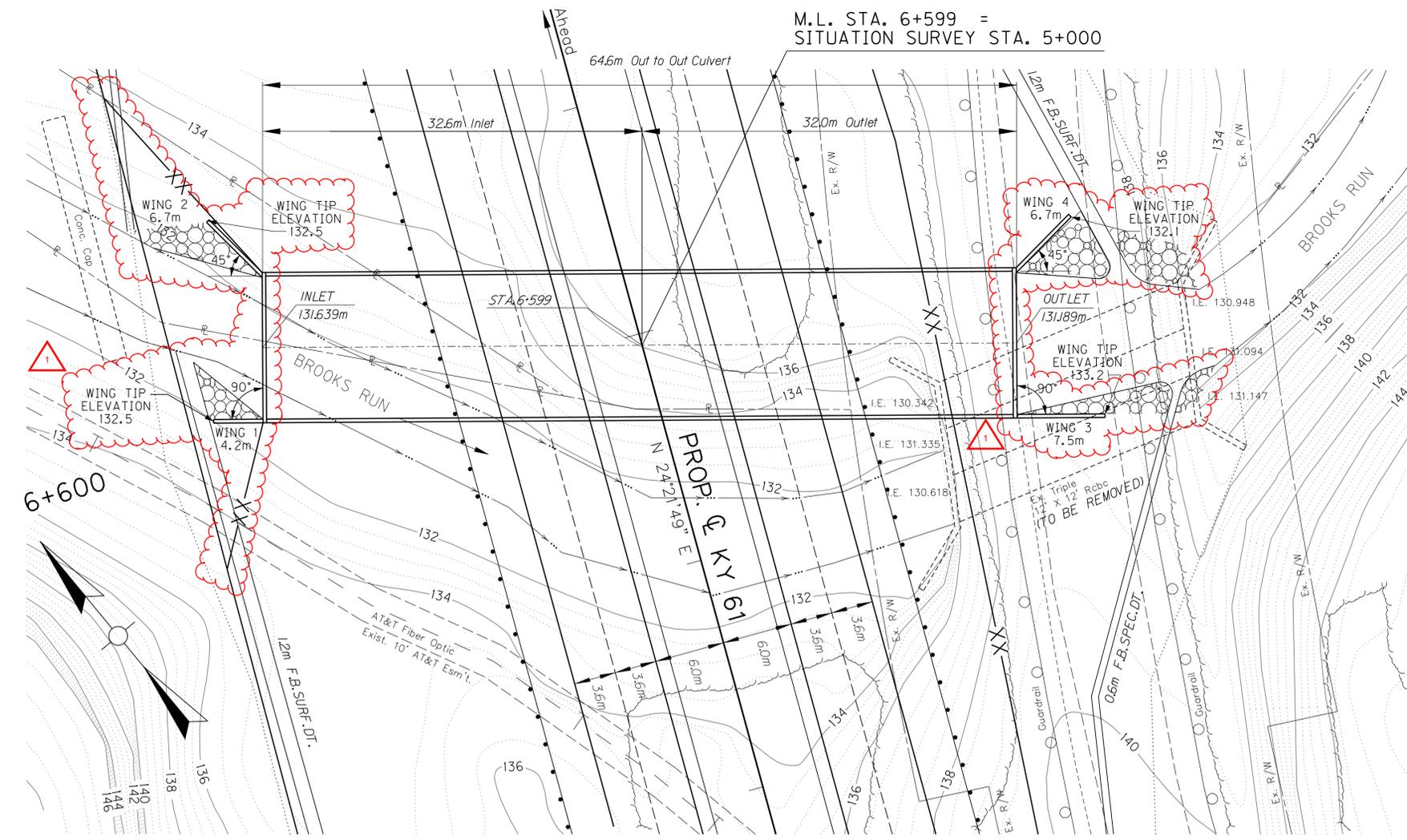
USER: alexl.smith  
 DATE PLOTTED: October 11, 2010

E-SHEET NAME: R0390LDS

MicroStation v8.11.7.443

METRIC

**REVISION 11-15-13**



Note: Opening of three sided concrete arch culvert shall be 42.7 square meters (460 sf) or greater.

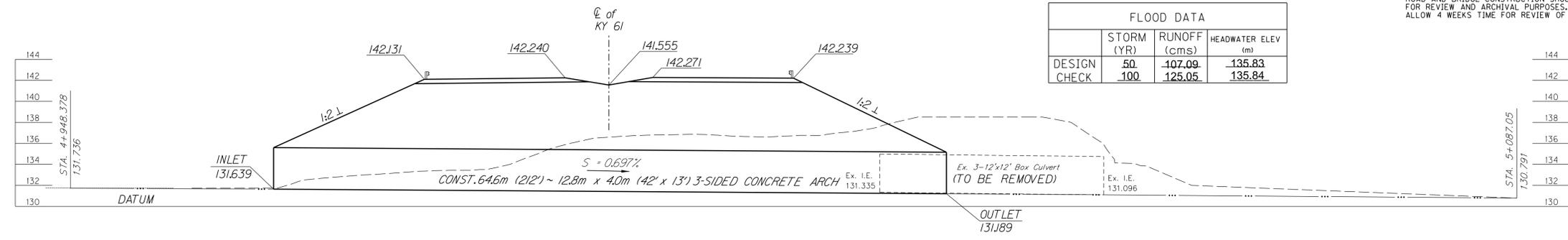
SHOWN IN THESE DRAWINGS IS :  
 CONSPAN "LONG SPAN SERIES" 42' SPAN X 13' RISE, LISTED FLOW AREA OF 460 SQUARE FEET (42.7 SM)  
 OTHER ACCEPTABLE ALTERNATES AS SHOWN IN THE "APPROVED LIST FOR 3-SIDED CULVERTS": NONE

**GENERAL NOTES**

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**GENERAL PLAN**  
 12.8m x 4m x 6.46m (42' x 13' x 21.2')  
 Three Sided Concrete Arch @ 15°00'00" Skew Rt.  
 CONSTRUCT 112.3 MTONS ~ CL3 CHANNEL LINING FOR BANK PROTECTION AT INLET/OUTLET.

FLOOD DATA			
	STORM (YR)	RUNOFF (cms)	HEADWATER ELEV (m)
DESIGN	50	107.09	135.83
CHECK	100	125.05	135.84

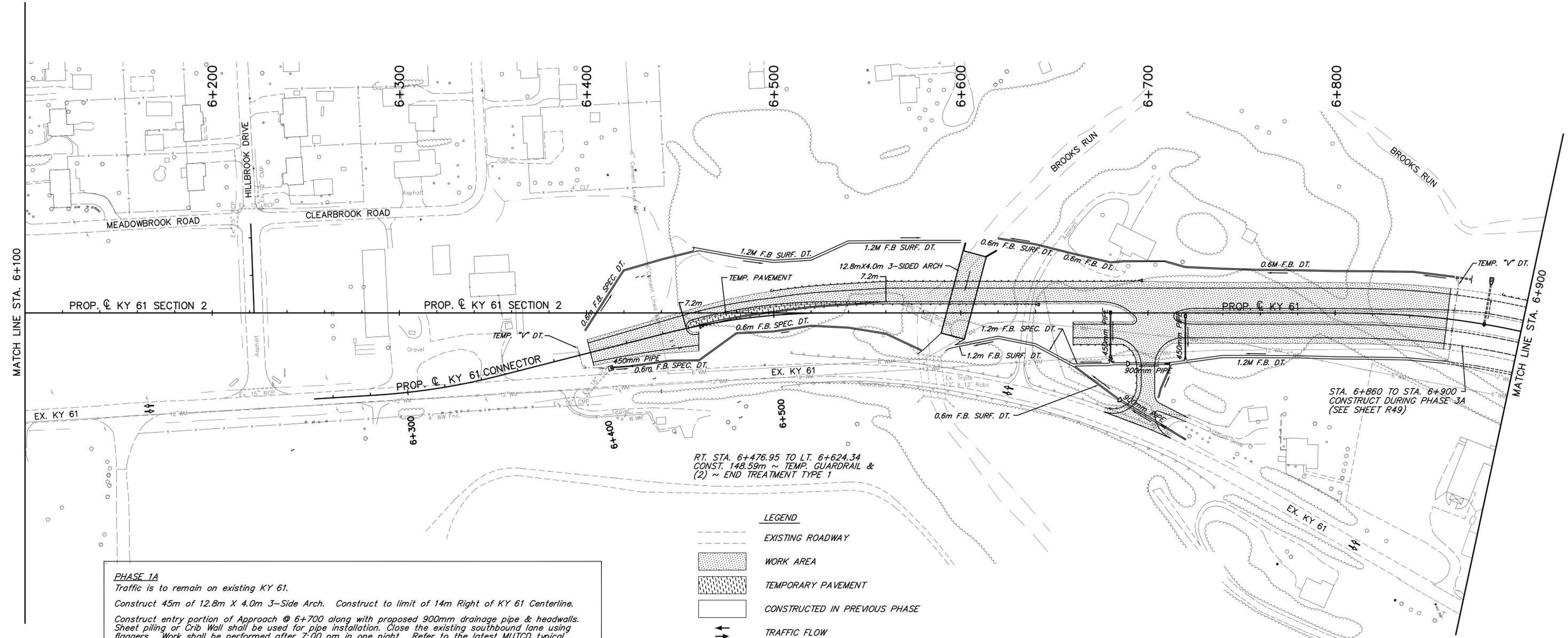
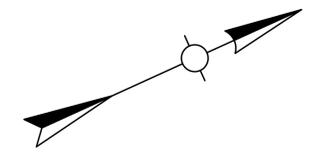


**ELEVATION ALONG Q OF CULVERT**

FILE NAME: G:\PWORK\MSP\01451\KYTC\_SHEET\_CEL  
 USER: alexl.smith  
 DATE PLOTTED: October 11, 2010  
 E-SHEET NAME: R0390LDS  
 MicroStation v8.11.7.443

METRIC

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



RT. STA. 6+476.95 TO LT. 6+624.34  
 CONST. 148.59m ~ TEMP. GUARDRAIL &  
 (2) ~ END TREATMENT TYPE 1

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

**PHASE 1A**  
 Traffic is to remain on existing KY 61.

Construct 45m of 12.8m X 4.0m 3-Side Arch. Construct to limit of 14m Right of KY 61 Centerline.

Construct entry portion of Approach @ 6+700 along with proposed 900mm drainage pipe & headwalls. Sheet piling or Crib Wall shall be used for pipe installation. Close the existing southbound lane using flaggers. Work shall be performed after 7:00 pm in one night. Refer to the latest MUTCD typical application (TA-10, Lane Closure On Two-Lane Road Using Flaggers) for applicable sign placement and devices.

Construct hatched portion of proposed KY 61 from Sta. 6+420 to Sta. 6+860 along with proposed drainage ditches, pipes, and associated structures.

Construct hatched portion of proposed KY 61 Connector from Sta. 6+400 to proposed KY 61 along with proposed drainage ditches, pipes, and associated structures.

Construct temporary pavement in the proposed median from Sta. 6+430 to Sta. 6+560. After installation of temporary pavement there should be two 3.6m wide lanes (7.2m total width) of full depth pavement. (7.2m is measured from the proposed southbound outside Edge of Pavement. See R41A-R41C for cross sections) showing temp. ditching & pavement.

Construct remaining portion of proposed Approach Rd. @ 6+700 along with proposed drainage ditches, pipes, and associated structures.

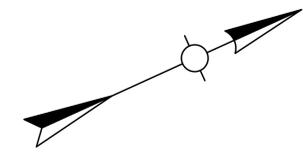
FOR MAINTENANCE OF  
 TRAFFIC ONLY

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 1A  
 STA. 6+100 TO STA. 6+900

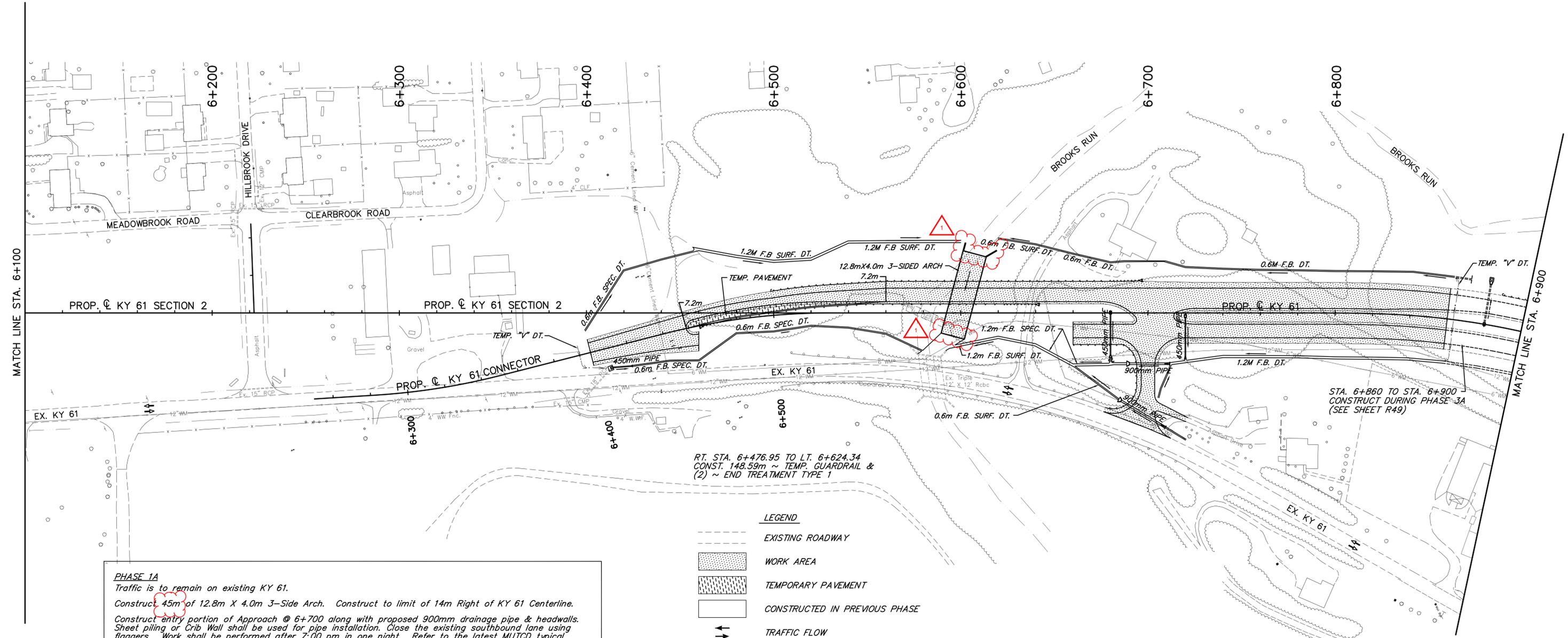
Scale: 1 : 1000

Nov 15, 2013 10:09am  
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REVISION 11-15-13



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



**PHASE 1A**  
 Traffic is to remain on existing KY 61.

Construct 45m of 12.8m X 4.0m 3-Side Arch. Construct to limit of 14m Right of KY 61 Centerline.

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Construct remaining portion of proposed Approach Rd. @ 6+700 along with proposed drainage ditches, pipes, and associated structures.

RT. STA. 6+476.95 TO LT. 6+624.34  
 CONST. 148.59m ~ TEMP. GUARDRAIL &  
 (2) ~ END TREATMENT TYPE 1

- LEGEND**
- EXISTING ROADWAY
  - [Hatched Box] WORK AREA
  - [Dotted Box] TEMPORARY PAVEMENT
  - [White Box] CONSTRUCTED IN PREVIOUS PHASE
  - ↔ TRAFFIC FLOW
  - [X Box] TYPE III BARRICADE
  - [Line with Dash] CRASH CUSHION
  - [T Symbol] SIGN

FOR MAINTENANCE OF TRAFFIC ONLY

Scale: 1 : 1000

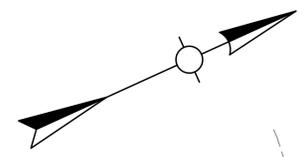
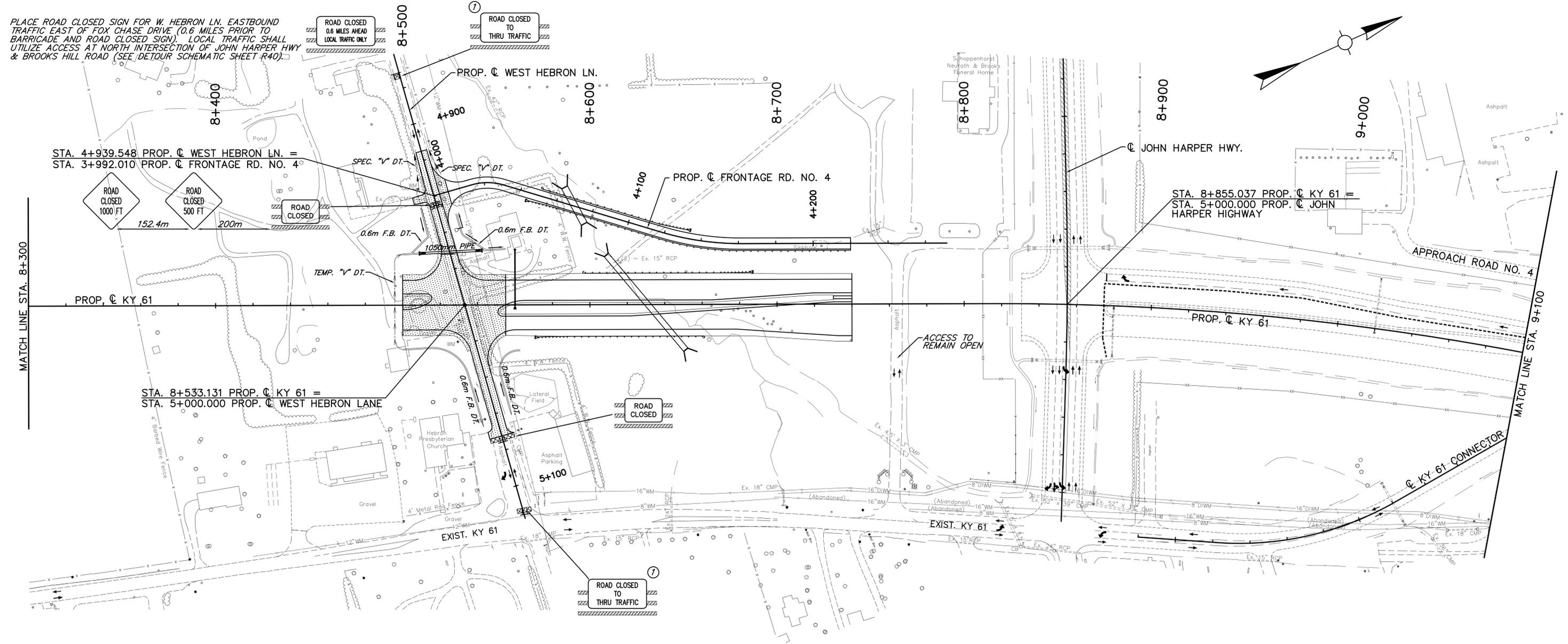
KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 1A  
 STA. 6+100 TO STA. 6+900

Nov 15, 2013 10:09am  
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PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_

PLACE ROAD CLOSED SIGN FOR W. HEBRON LN. EASTBOUND TRAFFIC EAST OF FOX CHASE DRIVE (0.6 MILES PRIOR TO BARRICADE AND ROAD CLOSED SIGN). LOCAL TRAFFIC SHALL UTILIZE ACCESS AT NORTH INTERSECTION OF JOHN HARPER HWY & BROOKS HILL ROAD (SEE DETOUR SCHEMATIC SHEET R40).



① WEST HEBRON LANE TO BE CLOSED STARTING XXX.

① PLACE ADVANCED ROAD CLOSURE SIGN AT W. HEBRON LN. TWO WEEKS IN ADVANCE OF ROAD CLOSURE. (DATE TO BE SET BY RESIDENT ENGINEER.)

- LEGEND**
- EXISTING ROADWAY
  - ▨ WORK AREA
  - ▩ TEMPORARY PAVEMENT
  - ▭ CONSTRUCTED IN PREVIOUS PHASE
  - ↔ TRAFFIC FLOW
  - ▩ TYPE III BARRICADE
  - ▬ CRASH CUSHION
  - ⊥ SIGN

**PHASE 1C**  
 Traffic is to remain on existing KY 61.  
 Close West Hebron Lane from Sta. 4+944 to Sta. 5+072. West Hebron Lane shall be closed for construction no longer than a 60 day period. See Detour Schematic Sheet R40 for placement of detour signs.  
 Construct hatched portion of proposed W. Hebron Lane from Sta. 4+915 to Sta. 4+945 along with proposed drainage ditches. Construct one lane at a time so that property owner has entry/exit access.  
 Construct remaining portion of Frontage Rd. No. 4 and hatched portion of proposed W. Hebron Lane within the closed limits along with proposed drainage ditches, pipes, and associated structures.

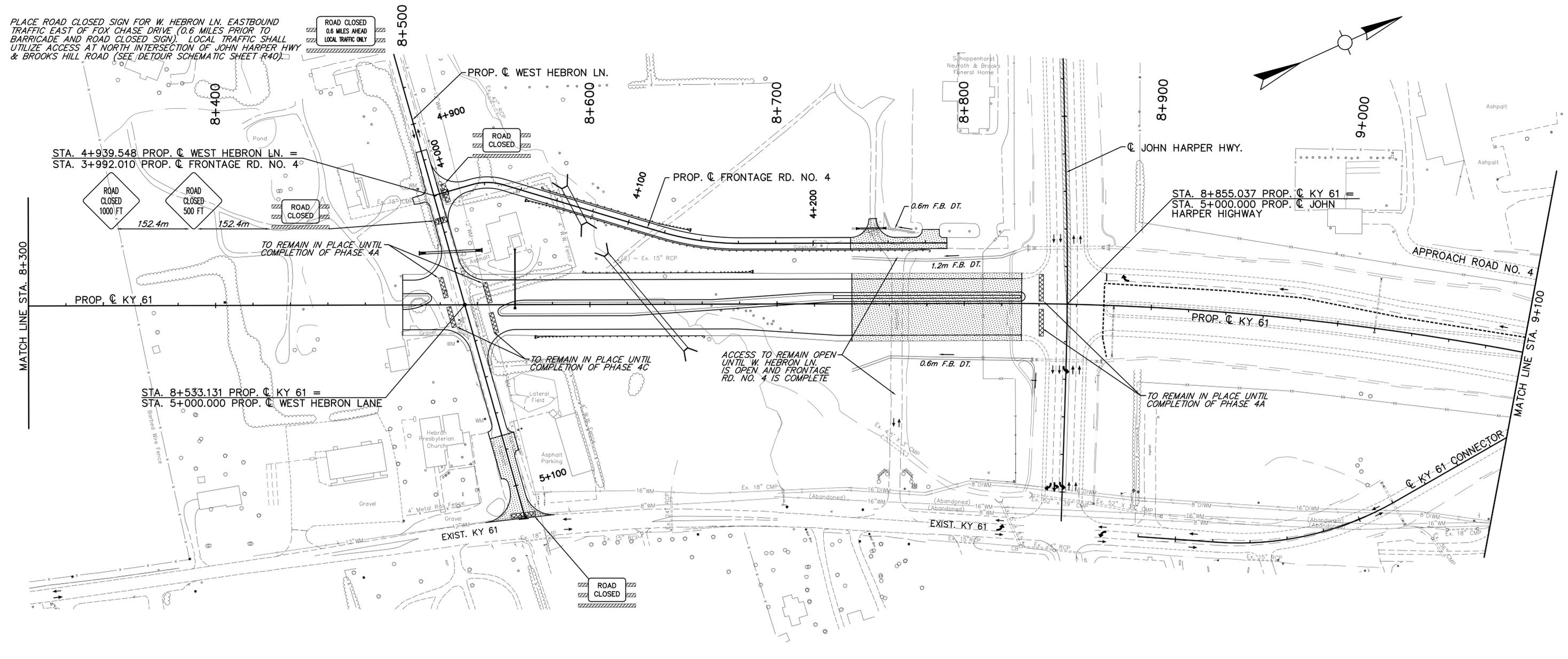
FOR MAINTENANCE OF TRAFFIC ONLY

Scale: 1 : 1000

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 1C  
 STA. 8+300 TO STA. 9+100

Nov 15, 2013 9:47am  
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PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



PLACE ROAD CLOSED SIGN FOR W. HEBRON LN. EASTBOUND TRAFFIC EAST OF FOX CHASE DRIVE (0.6 MILES PRIOR TO BARRICADE AND ROAD CLOSED SIGN). LOCAL TRAFFIC SHALL UTILIZE ACCESS AT NORTH INTERSECTION OF JOHN HARPER HWY & BROOKS HILL ROAD (SEE DETOUR SCHEMATIC SHEET R40).

STA. 4+939.548 PROP. C WEST HEBRON LN. =  
 STA. 3+992.010 PROP. C FRONTAGE RD. NO. 4

STA. 8+855.037 PROP. C KY 61 =  
 STA. 5+000.000 PROP. C JOHN HARPER HIGHWAY

STA. 8+533.131 PROP. C KY 61 =  
 STA. 5+000.000 PROP. C WEST HEBRON LANE

- LEGEND**
- EXISTING ROADWAY
  - [Hatched Box] WORK AREA
  - [Dotted Box] TEMPORARY PAVEMENT
  - [White Box] CONSTRUCTED IN PREVIOUS PHASE
  - [Arrow] TRAFFIC FLOW
  - [X Box] TYPE III BARRICADE
  - [Cushion Box] CRASH CUSHION
  - [T Box] SIGN

**PHASE 1D**  
 Traffic is to remain on existing KY 61.  
 West Hebron Lane shall remain closed with same detour schematic as in Phase 1B.  
 Construct remaining portion of proposed West Hebron Lane along with proposed associated drainage ditches. Perform work at the entrance of W. Hebron Lane and existing KY 61 during one weekday after 7 pm.  
 Open W. Hebron Lane to traffic and remove detours. Construct remaining portion of proposed Frontage Road No. 4 along with proposed drainage ditches and pipes by constructing the west side of Frontage Rd. No. 4 first. Open Frontage Rd. No. 4 to traffic, barricade existing entrance to funeral home, and construct remaining half of frontage road.  
 Construct hatched portion of proposed KY 61 from Sta. 8+740 to Sta. 8+830 along with proposed drainage ditches, pipes, and associated structures.

FOR MAINTENANCE OF TRAFFIC ONLY

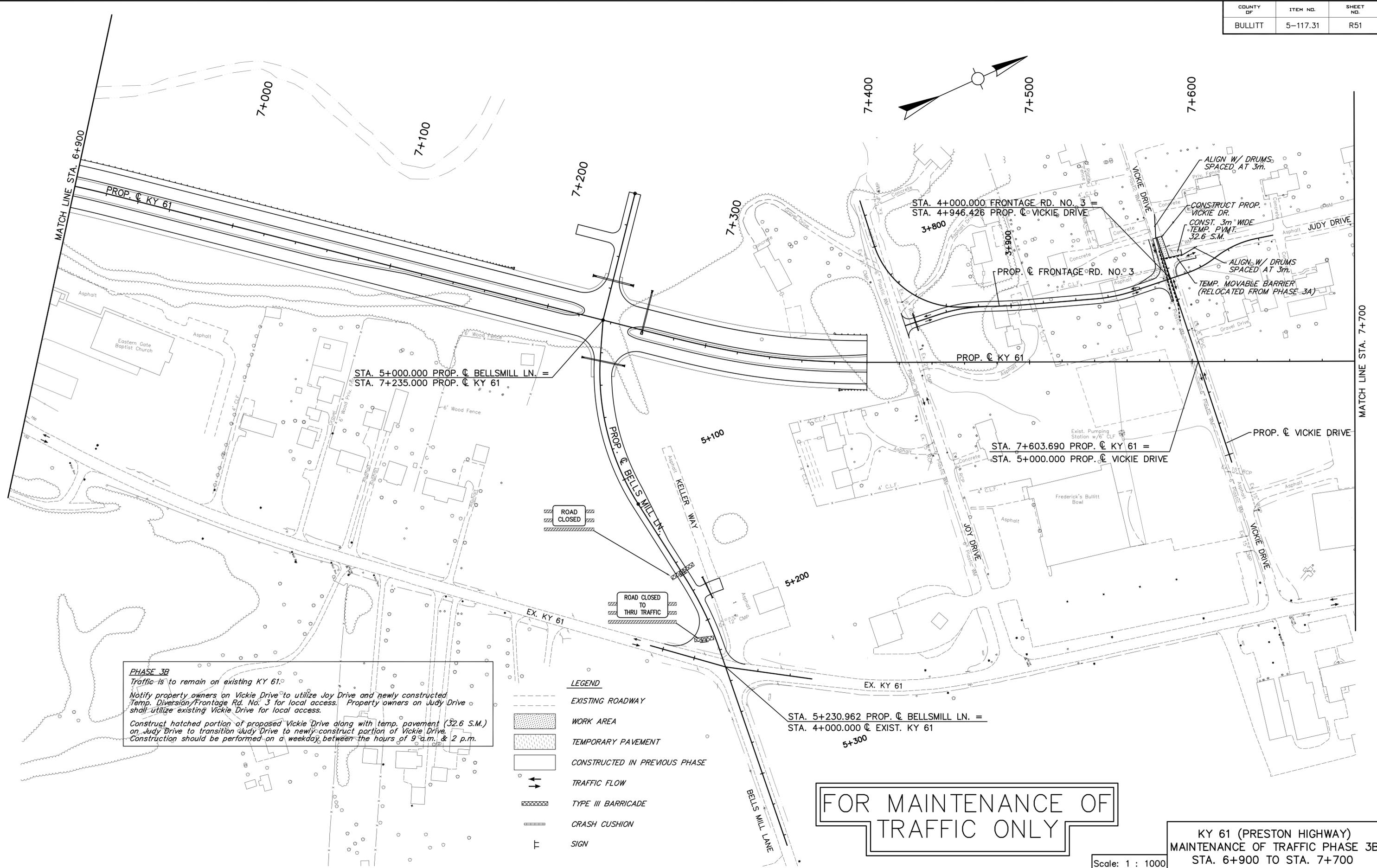
Scale: 1 : 1000

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 1D  
 STA. 8+300 TO STA. 9+100

Nov. 15, 2013 9:46am  
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PREPARED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 CHECKED BY \_\_\_\_\_ DATE \_\_\_\_\_  
 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



**PHASE 3B**  
 Traffic is to remain on existing KY 61.  
 Notify property owners on Vickie Drive to utilize Joy Drive and newly constructed Temp. Diversion/Frontage Rd. No. 3 for local access. Property owners on Judy Drive shall utilize existing Vickie Drive for local access.  
 Construct hatched portion of proposed Vickie Drive along with temp. pavement (32.6 S.M.) on Judy Drive to transition Judy Drive to newly construct portion of Vickie Drive.  
 Construction should be performed on a weekday, between the hours of 9 a.m. & 2 p.m.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

FOR MAINTENANCE OF TRAFFIC ONLY

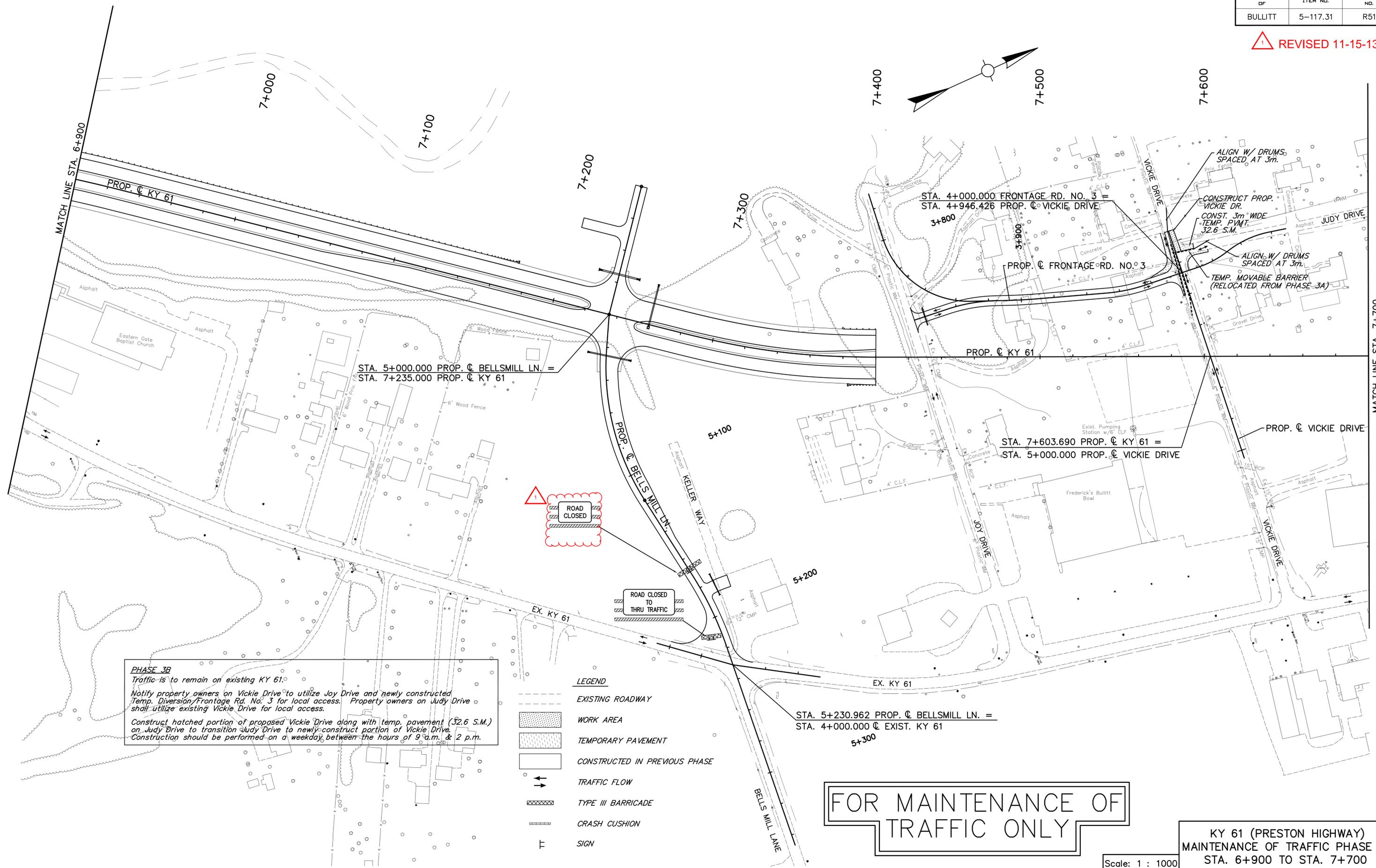
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KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 3B  
 STA. 6+900 TO STA. 7+700

Nov. 15, 2017 9:45am  
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REVISION 11-15-13

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



**PHASE 3B**  
 Traffic is to remain on existing KY 61.  
 Notify property owners on Vickie Drive to utilize Joy Drive and newly constructed Temp. Diversion/Frontage Rd. No. 3 for local access. Property owners on Judy Drive shall utilize existing Vickie Drive for local access.  
 Construct hatched portion of proposed Vickie Drive along with temp. pavement (32.6 S.M.) on Judy Drive to transition Judy Drive to newly construct portion of Vickie Drive.  
 Construction should be performed on a weekday, between the hours of 9 a.m. & 2 p.m.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

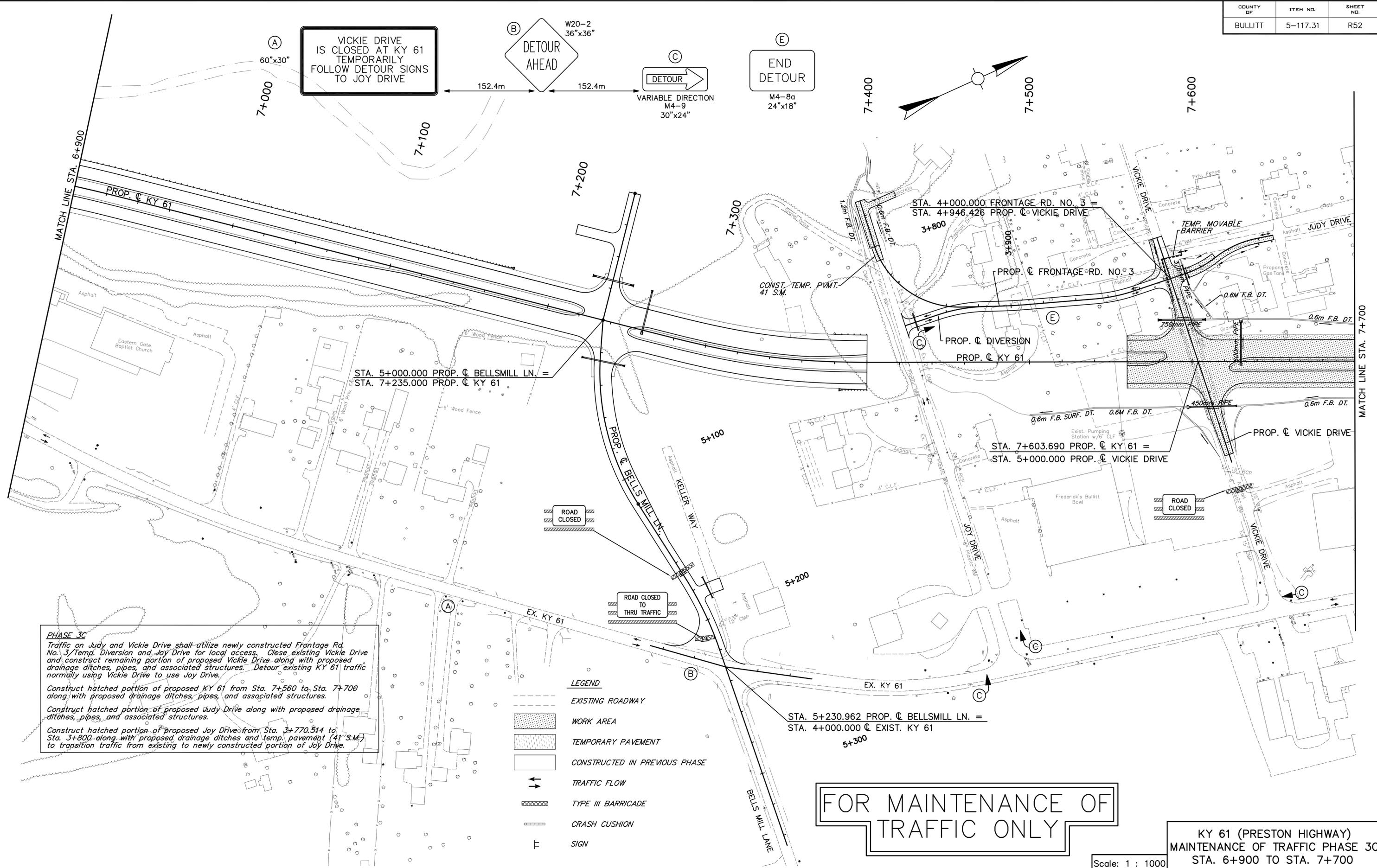
FOR MAINTENANCE OF TRAFFIC ONLY

Scale: 1 : 1000

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 3B  
 STA. 6+900 TO STA. 7+700

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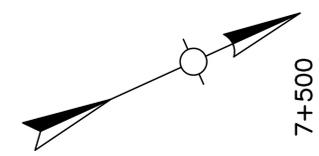


VICKIE DRIVE IS CLOSED AT KY 61 TEMPORARILY FOLLOW DETOUR SIGNS TO JOY DRIVE

W20-2 36"x36"  
 (B) DETOUR AHEAD

(C) DETOUR  
 VARIABLE DIRECTION  
 M4-9 30"x24"

(E) END DETOUR  
 M4-8a 24"x18"



**PHASE 3C**  
 Traffic on Judy and Vickie Drive shall utilize newly constructed Frontage Rd. No. 3/Temp. Diversion and Joy Drive for local access. Close existing Vickie Drive and construct remaining portion of proposed Vickie Drive along with proposed drainage ditches, pipes, and associated structures. Detour existing KY 61 traffic normally using Vickie Drive to use Joy Drive.  
 Construct hatched portion of proposed KY 61 from Sta. 7+560 to Sta. 7+700 along with proposed drainage ditches, pipes, and associated structures.  
 Construct hatched portion of proposed Judy Drive along with proposed drainage ditches, pipes, and associated structures.  
 Construct hatched portion of proposed Joy Drive from Sta. 3+770.514 to Sta. 3+800 along with proposed drainage ditches and temp. pavement (41 S.M.) to transition traffic from existing to newly constructed portion of Joy Drive.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

FOR MAINTENANCE OF TRAFFIC ONLY

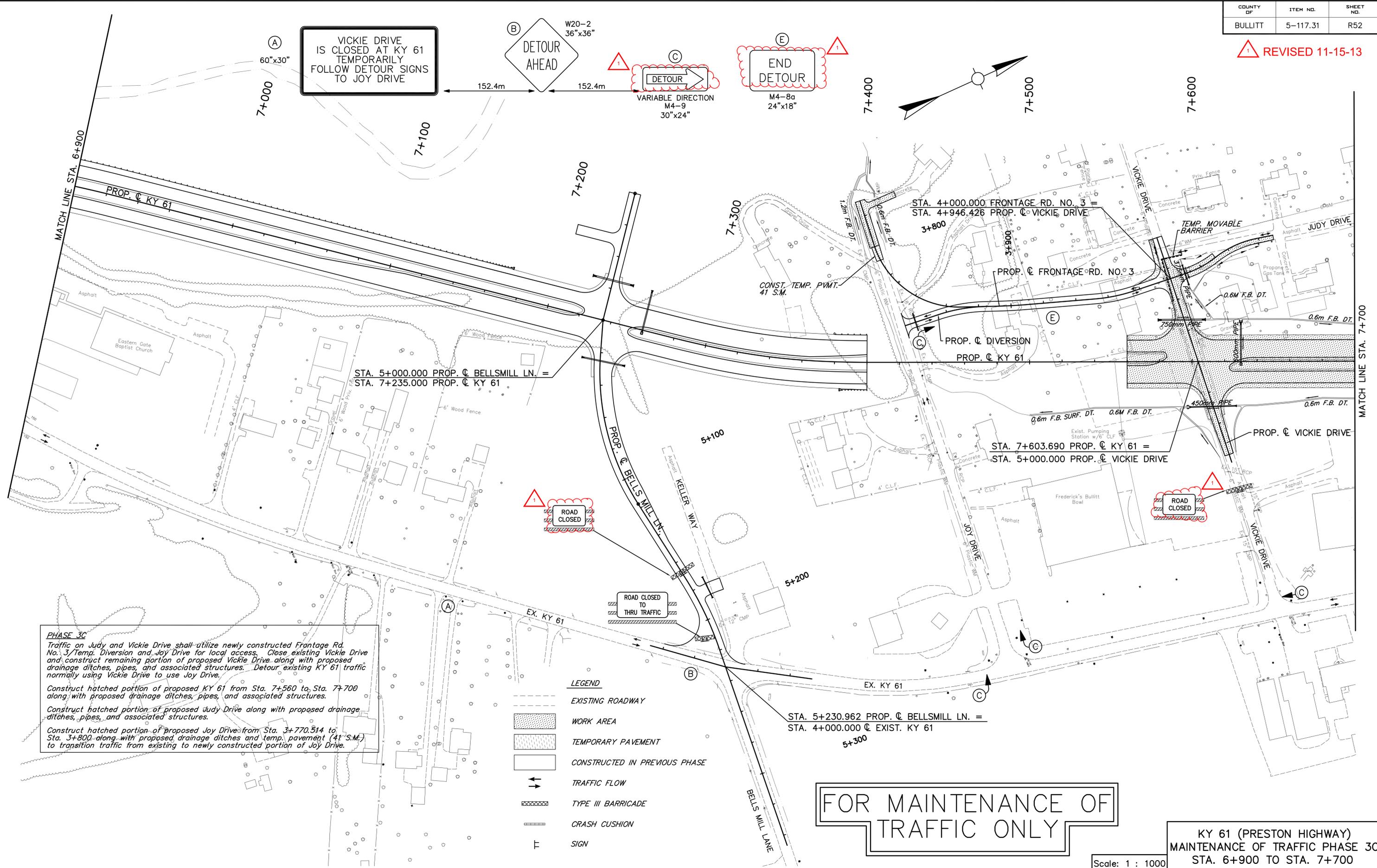
KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 3C  
 STA. 6+900 TO STA. 7+700

Scale: 1 : 1000

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VICKIE DRIVE IS CLOSED AT KY 61 TEMPORARILY FOLLOW DETOUR SIGNS TO JOY DRIVE

W20-2 36"x36"  
 (B) DETOUR AHEAD

(C) DETOUR  
 VARIABLE DIRECTION M4-9 30"x24"

(E) END DETOUR  
 M4-8a 24"x18"

**PHASE 3C**  
 Traffic on Judy and Vickie Drive shall utilize newly constructed Frontage Rd. No. 3/Temp. Diversion and Joy Drive for local access. Close existing Vickie Drive and construct remaining portion of proposed Vickie Drive along with proposed drainage ditches, pipes, and associated structures. Detour existing KY 61 traffic normally using Vickie Drive to use Joy Drive.  
 Construct hatched portion of proposed KY 61 from Sta. 7+560 to Sta. 7+700 along with proposed drainage ditches, pipes, and associated structures.  
 Construct hatched portion of proposed Judy Drive along with proposed drainage ditches, pipes, and associated structures.  
 Construct hatched portion of proposed Joy Drive from Sta. 3+770.514 to Sta. 3+800 along with proposed drainage ditches and temp. pavement (41 S.M.) to transition traffic from existing to newly constructed portion of Joy Drive.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

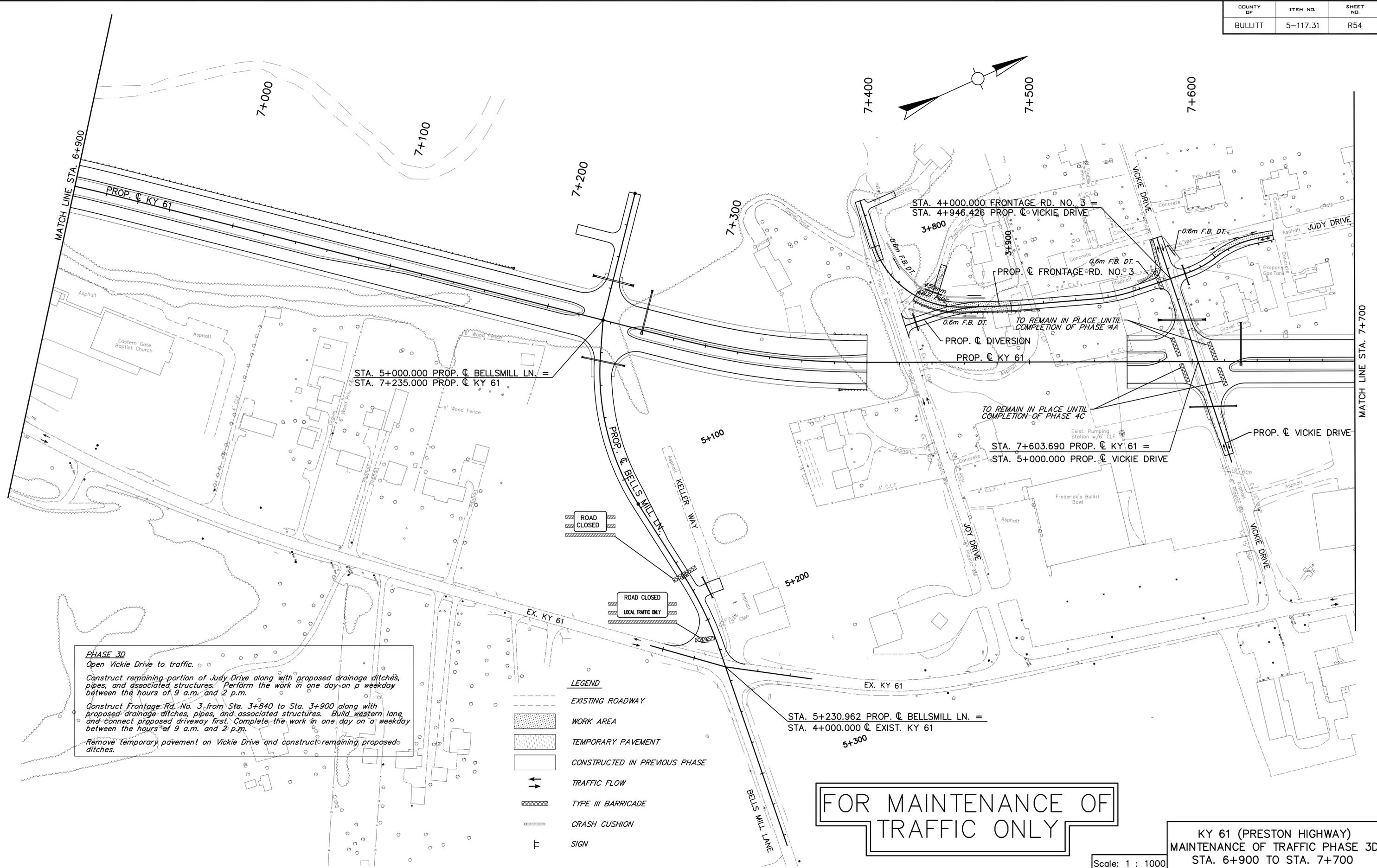
FOR MAINTENANCE OF TRAFFIC ONLY

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KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 3C  
 STA. 6+900 TO STA. 7+700

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**PHASE 3D**  
 Open Vickie Drive to traffic.  
 Construct remaining portion of Judy Drive along with proposed drainage ditches, pipes, and associated structures. Perform the work in one day on a weekday between the hours of 9 a.m. and 2 p.m.  
 Construct Frontage Rd. No. 3 from Sta. 3+840 to Sta. 3+900 along with proposed drainage ditches, pipes, and associated structures. Build western lane and connect proposed driveway first. Complete the work in one day on a weekday between the hours of 9 a.m. and 2 p.m.  
 Remove temporary pavement on Vickie Drive and construct remaining proposed ditches.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

**FOR MAINTENANCE OF TRAFFIC ONLY**

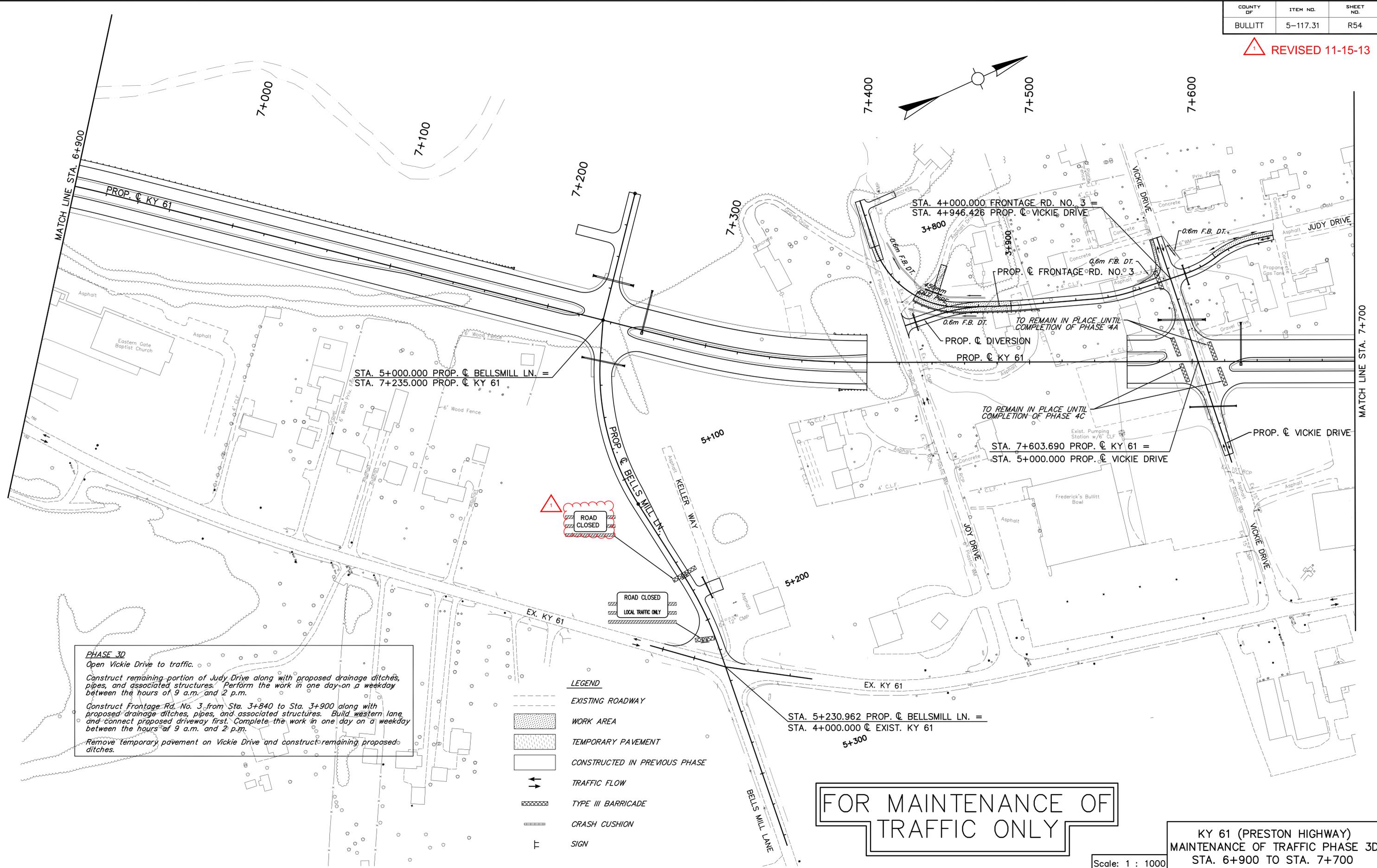
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KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 3D  
 STA. 6+900 TO STA. 7+700

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**PHASE 3D**  
 Open Vickie Drive to traffic.  
 Construct remaining portion of Judy Drive along with proposed drainage ditches, pipes, and associated structures. Perform the work in one day on a weekday between the hours of 9 a.m. and 2 p.m.  
 Construct Frontage Rd. No. 3 from Sta. 3+840 to Sta. 3+900 along with proposed drainage ditches, pipes, and associated structures. Build western lane and connect proposed driveway first. Complete the work in one day on a weekday between the hours of 9 a.m. and 2 p.m.  
 Remove temporary pavement on Vickie Drive and construct remaining proposed ditches.

- LEGEND**
-  EXISTING ROADWAY
  -  WORK AREA
  -  TEMPORARY PAVEMENT
  -  CONSTRUCTED IN PREVIOUS PHASE
  -  TRAFFIC FLOW
  -  TYPE III BARRICADE
  -  CRASH CUSHION
  -  SIGN

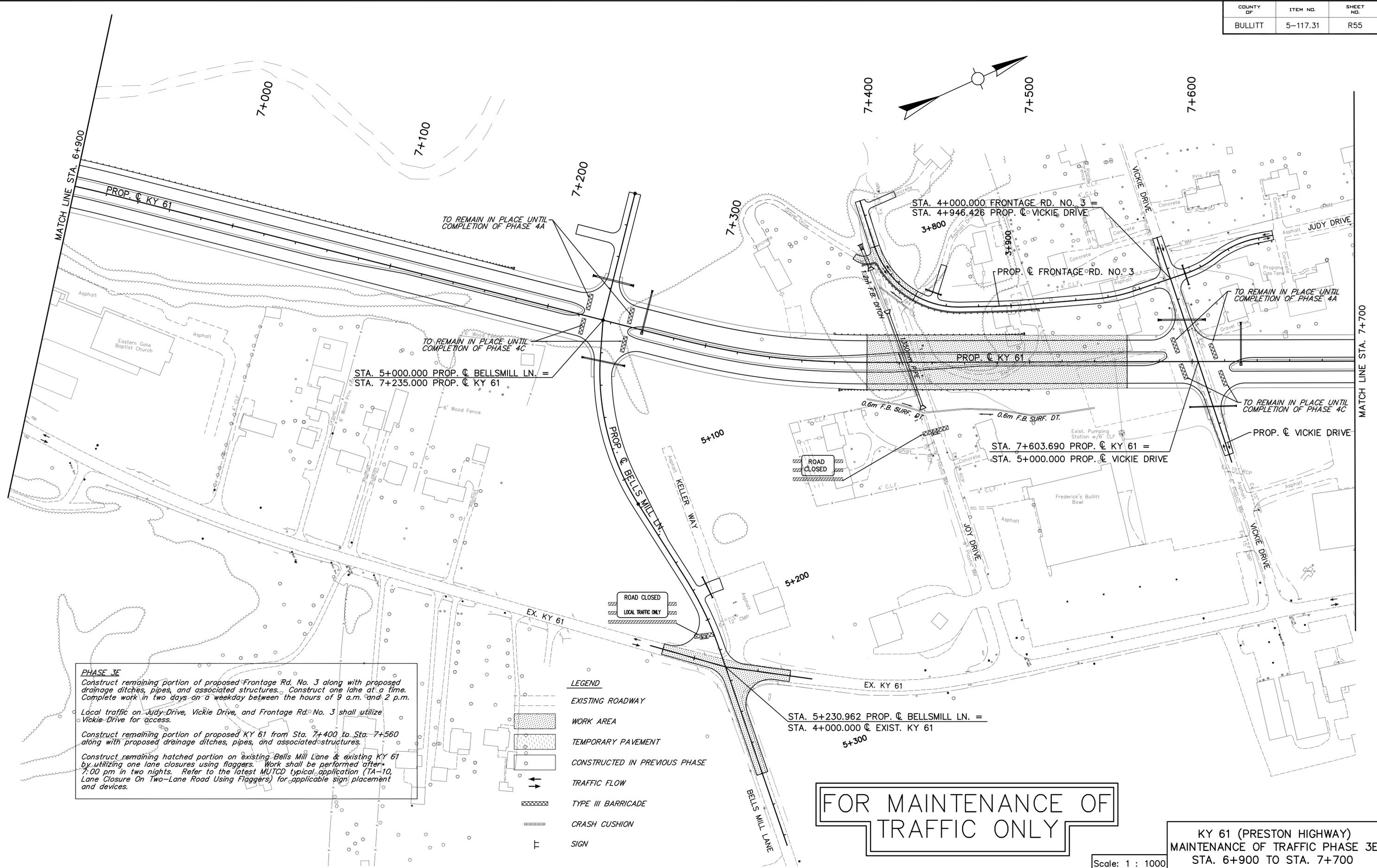
FOR MAINTENANCE OF  
 TRAFFIC ONLY

Scale: 1 : 1000

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 3D  
 STA. 6+900 TO STA. 7+700

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**PHASE 3E**  
 Construct remaining portion of proposed Frontage Rd. No. 3 along with proposed drainage ditches, pipes, and associated structures. Construct one lane at a time. Complete work in two days on a weekday between the hours of 9 a.m. and 2 p.m.

Local traffic on Judy Drive, Vickie Drive, and Frontage Rd. No. 3 shall utilize Vickie Drive for access.

Construct remaining portion of proposed KY 61 from Sta. 7+400 to Sta. 7+560 along with proposed drainage ditches, pipes, and associated structures.

Construct remaining hatched portion on existing Bells Mill Lane & existing KY 61 by utilizing one lane closures using flaggers. Work shall be performed after 7:00 pm in two nights. Refer to the latest MUTCD typical application (TA-10, Lane Closure On Two-Lane Road Using Flaggers) for applicable sign placement and devices.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

FOR MAINTENANCE OF  
 TRAFFIC ONLY

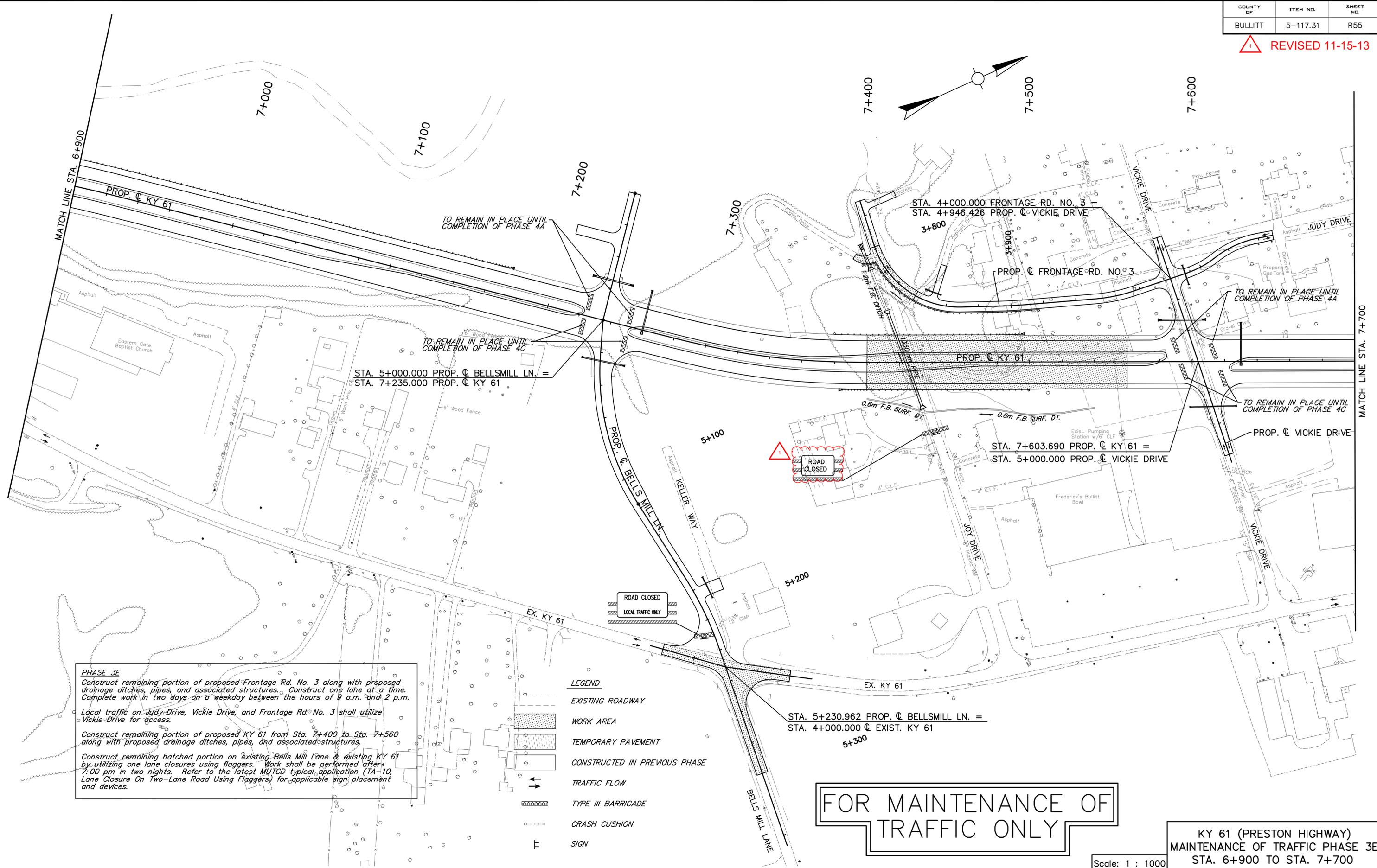
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KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 3E  
 STA. 6+900 TO STA. 7+700

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**PHASE 3E**  
 Construct remaining portion of proposed Frontage Rd. No. 3 along with proposed drainage ditches, pipes, and associated structures. Construct one lane at a time. Complete work in two days on a weekday between the hours of 9 a.m. and 2 p.m.  
 Local traffic on Judy Drive, Vickie Drive, and Frontage Rd. No. 3 shall utilize Vickie Drive for access.  
 Construct remaining portion of proposed KY 61 from Sta. 7+400 to Sta. 7+560 along with proposed drainage ditches, pipes, and associated structures.  
 Construct remaining hatched portion on existing Bells Mill Lane & existing KY 61 by utilizing one lane closures using flaggers. Work shall be performed after 7:00 pm in two nights. Refer to the latest MUTCD typical application (TA-10, Lane Closure On Two-Lane Road Using Flaggers) for applicable sign placement and devices.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

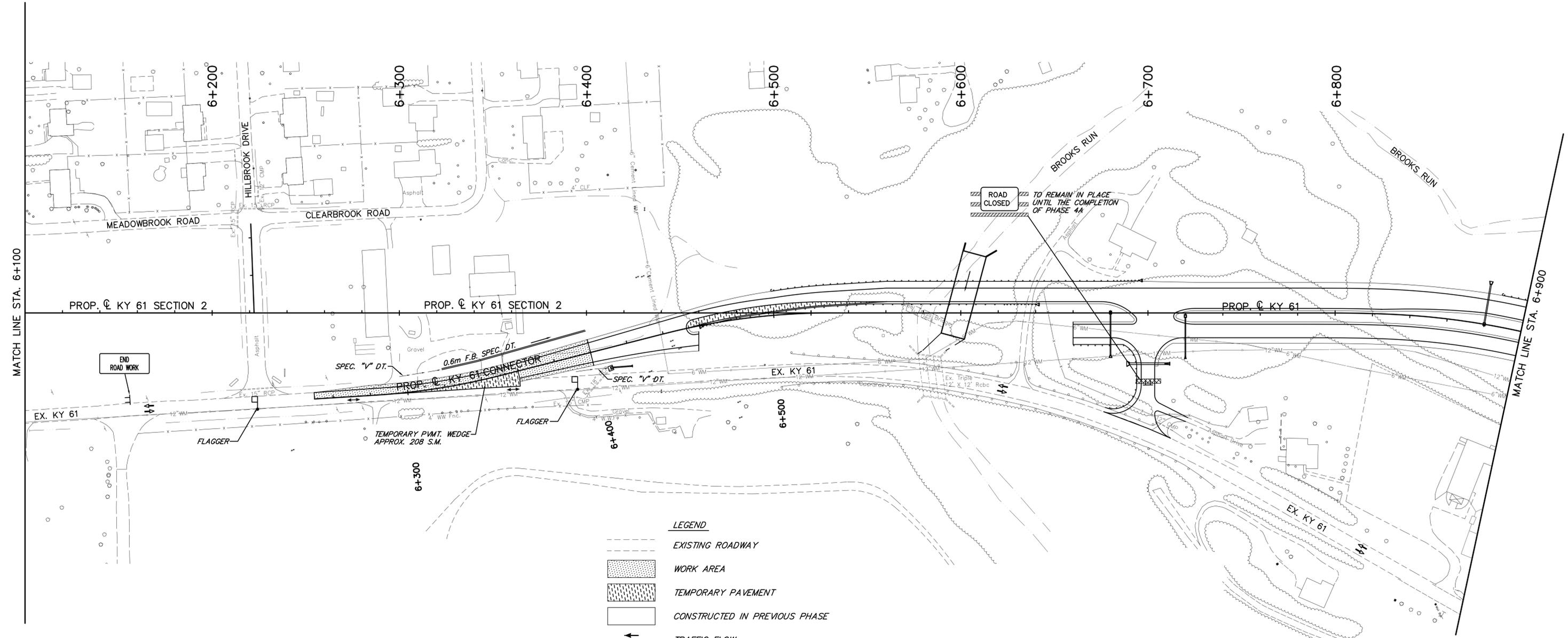
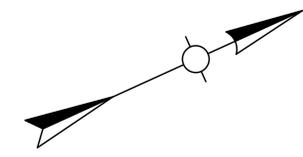
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KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 3E  
 STA. 6+900 TO STA. 7+700

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**PHASE 4A**  
 Traffic is to remain on existing KY 61.  
 Construct hatched southbound portion of proposed KY 61 Connector from Sta. 6+250 to Sta. 6+400 along with proposed drainage ditches, pipes, and associated structures. Utilize a one lane closure on Ex. KY 61 (southbound lane) using flaggers. See General Notes for allowable time periods for Lane Closure. Work shall be completed in one night. Refer to Standard Drawing No. TTC-100 (Lane Closure Case I) for applicable sign placement and devices along existing KY 61. Begin Phase 4B the morning after completion.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

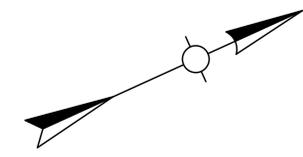
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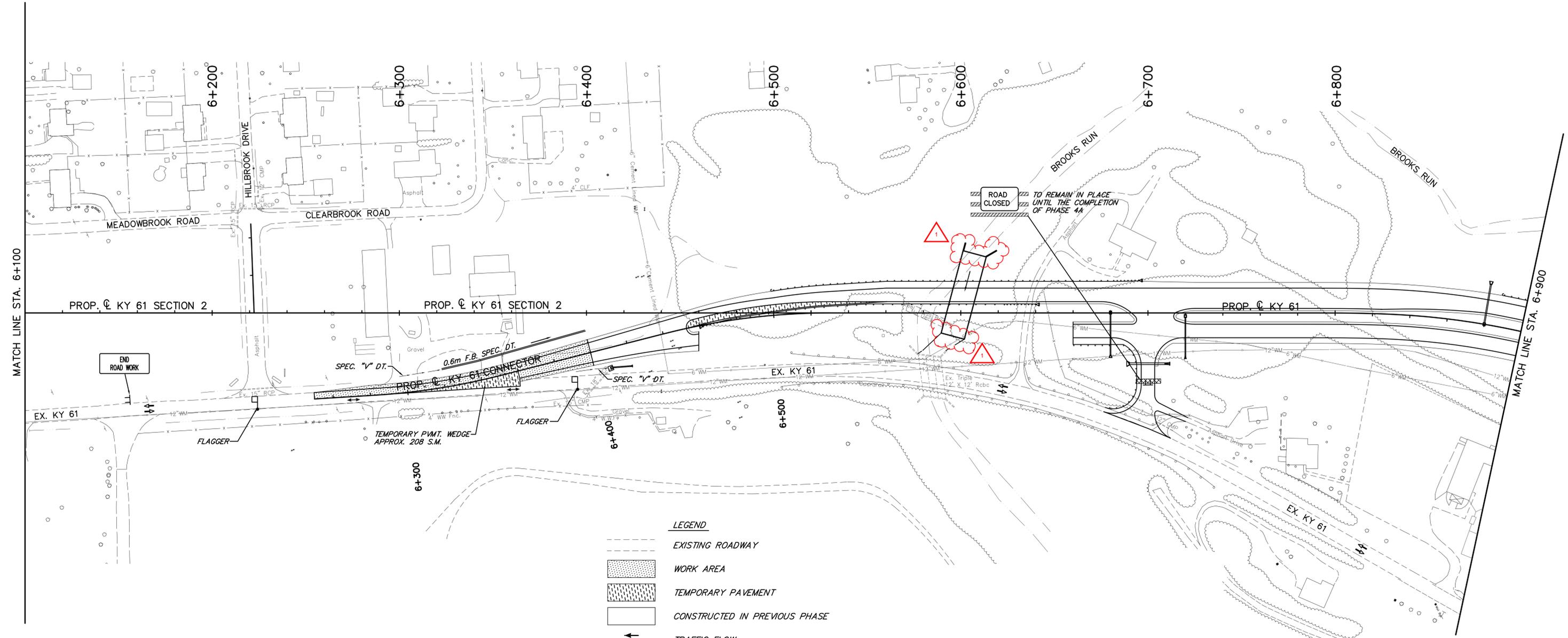
KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4A  
 STA. 6+100 TO STA. 6+900

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- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

**PHASE 4A**  
 Traffic is to remain on existing KY 61.  
 Construct hatched southbound portion of proposed KY 61 Connector from Sta. 6+250 to Sta. 6+400 along with proposed drainage ditches, pipes, and associated structures. Utilize a one lane closure on Ex. KY 61 (southbound lane) using flaggers. See General Notes for allowable time periods for Lane Closure. Work shall be completed in one night. Refer to Standard Drawing No. TTC-100 (Lane Closure Case I) for applicable sign placement and devices along existing KY 61. Begin Phase 4B the morning after completion.

FOR MAINTENANCE OF  
 TRAFFIC ONLY

Scale: 1 : 1000

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4A  
 STA. 6+100 TO STA. 6+900

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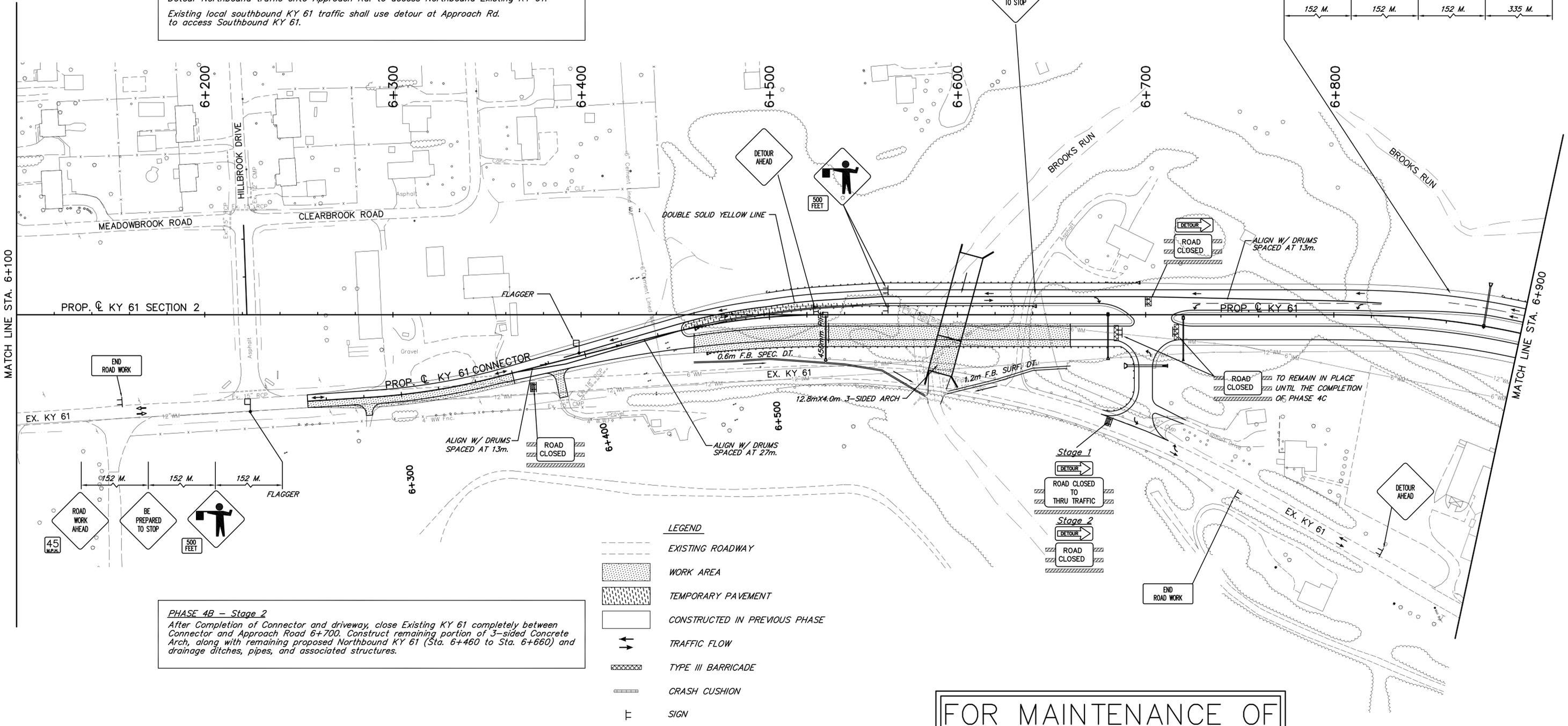
**PHASE 4B - Stage 1**  
 Divert southbound traffic onto newly constructed KY 61 and close inside southbound lane at Sta. 6+800. (Carry 2 southbound lanes from sheet R58 to Sta. 6+800)

Construct hatched northbound portion of proposed KY 61 Connector from Sta. 6+250 to Sta. 6+360 along with proposed driveway, drainage ditches, pipes, and associated structures. Utilize a one lane closure (northbound lane) using flaggers on existing KY 61 and KY 61 Connector. After lane closure, Northbound traffic shall be diverted to inside lane of Southbound KY 61, utilizing temp. pavement built in Phase 1A. See General Notes for allowable time periods for Lane Closure. Work shall be completed in one night. Refer to Standard Drawing No. TTC-100 Closure Case 1) for applicable sign placement and devices along existing KY 61.

Detour Northbound traffic onto Approach Rd. to access Northbound Existing KY 61.

Existing local southbound KY 61 traffic shall use detour at Approach Rd. to access Southbound KY 61.

**PHASE 4B - Stage 2**  
 After Completion of Connector and driveway, close Existing KY 61 completely between Connector and Approach Road 6+700. Construct remaining portion of 3-sided Concrete Arch, along with remaining proposed Northbound KY 61 (Sta. 6+460 to Sta. 6+660) and drainage ditches, pipes, and associated structures.



- LEGEND**
- EXISTING ROADWAY
  - ▨ WORK AREA
  - ▩ TEMPORARY PAVEMENT
  - ▭ CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - ▩ TYPE III BARRICADE
  - ▬ CRASH CUSHION
  - ⊞ SIGN

FOR MAINTENANCE OF TRAFFIC ONLY

Scale: 1 : 1000

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4B  
 STA. 6+100 TO STA. 6+900

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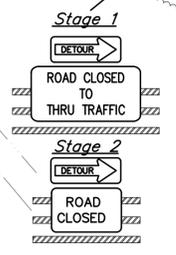
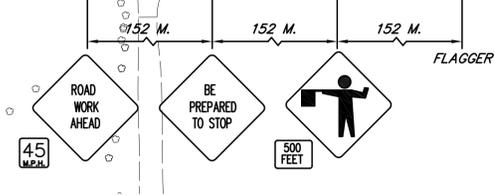
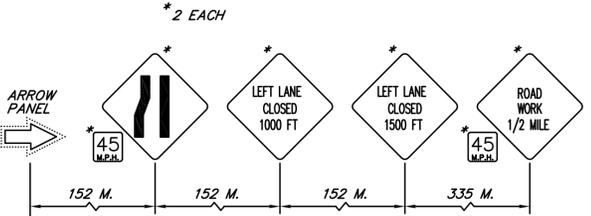
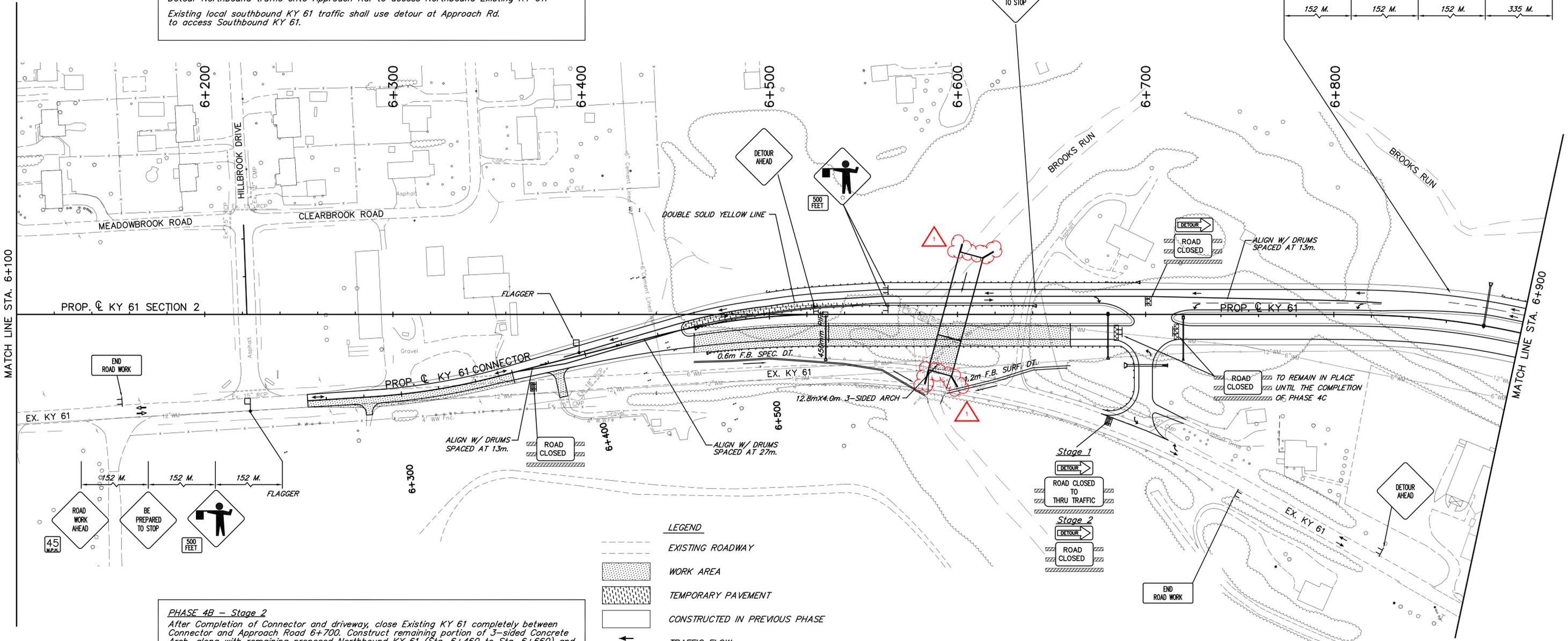
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**PHASE 4B - Stage 1**  
 Divert southbound traffic onto newly constructed KY 61 and close inside southbound lane at Sta. 6+800. (Carry 2 southbound lanes from sheet R58 to Sta. 6+800)

Construct hatched northbound portion of proposed KY 61 Connector from Sta. 6+250 to Sta. 6+360 along with proposed driveway, drainage ditches, pipes, and associated structures. Utilize a one lane closure (northbound lane) using flaggers on existing KY 61 and KY 61 Connector. After lane closure, Northbound traffic shall be diverted to inside lane of Southbound KY 61, utilizing temp. pavement built in Phase 1A. See General Notes for allowable time periods for Lane Closure. Work shall be completed in one night. Refer to Standard Drawing No. TTC-100 Closure Case 1) for applicable sign placement and devices along existing KY 61.

Detour Northbound traffic onto Approach Rd. to access Northbound Existing KY 61.  
 Existing local southbound KY 61 traffic shall use detour at Approach Rd. to access Southbound KY 61.



- LEGEND**
- EXISTING ROADWAY
  - ▨ WORK AREA
  - ▩ TEMPORARY PAVEMENT
  - ▭ CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - ▩ TYPE III BARRICADE
  - ▬ CRASH CUSHION
  - ⊞ SIGN

**PHASE 4B - Stage 2**  
 After Completion of Connector and driveway, close Existing KY 61 completely between Connector and Approach Road 6+700. Construct remaining portion of 3-sided Concrete Arch, along with remaining proposed Northbound KY 61 (Sta. 6+460 to Sta. 6+660) and drainage ditches, pipes, and associated structures.

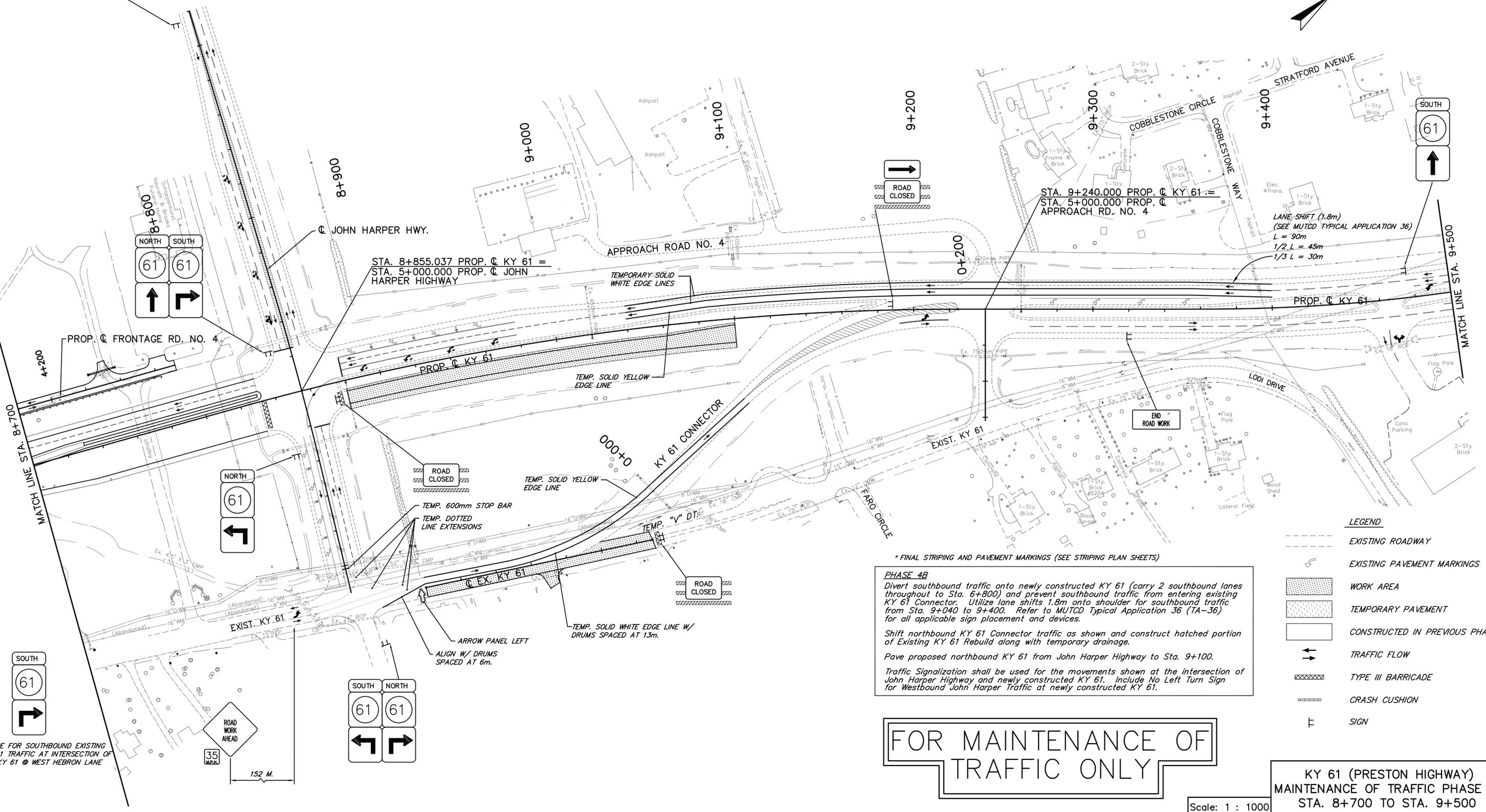
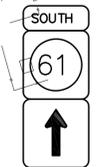
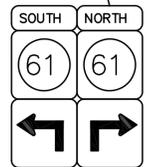
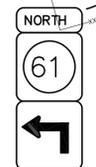
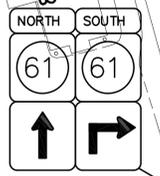
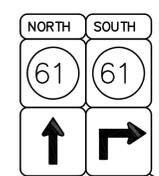
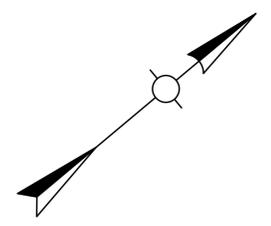
FOR MAINTENANCE OF TRAFFIC ONLY

Scale: 1 : 1000

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4B  
 STA. 6+100 TO STA. 6+900

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\* FINAL STRIPING AND PAVEMENT MARKINGS (SEE STRIPING PLAN SHEETS)

**PHASE 4B**  
 Divert southbound traffic onto newly constructed KY 61 (carry 2 southbound lanes throughout to Sta. 6+800) and prevent southbound traffic from entering existing KY 61 Connector. Utilize lane shifts 1.8m onto shoulder for southbound traffic from Sta. 9+040 to 9+400. Refer to MUTCD Typical Application 36 (TA-36) for all applicable sign placement and devices.  
 Shift northbound KY 61 Connector traffic as shown and construct hatched portion of Existing KY 61 Rebuild along with temporary drainage.  
 Pave proposed northbound KY 61 from John Harper Highway to Sta. 9+100.  
 Traffic Signalization shall be used for the movements shown at the intersection of John Harper Highway and newly constructed KY 61. Include No Left Turn Sign for Westbound John Harper Traffic at newly constructed KY 61.

- LEGEND**
- EXISTING ROADWAY
  - EXISTING PAVEMENT MARKINGS
  - [Hatched Box] WORK AREA
  - [Dotted Box] TEMPORARY PAVEMENT
  - [Solid Box] CONSTRUCTED IN PREVIOUS PHASE
  - [Arrow] TRAFFIC FLOW
  - [X-X-X-X] TYPE III BARRICADE
  - [Double Line] CRASH CUSHION
  - [Symbol] SIGN

FOR MAINTENANCE OF TRAFFIC ONLY

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4B  
 STA. 8+700 TO STA. 9+500

Scale: 1 : 1000

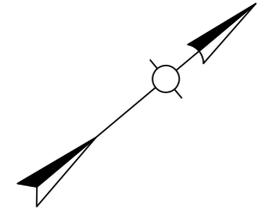
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PLACE FOR SOUTHBOUND EXISTING KY 61 TRAFFIC AT INTERSECTION OF EX. KY 61 @ WEST HEBRON LANE

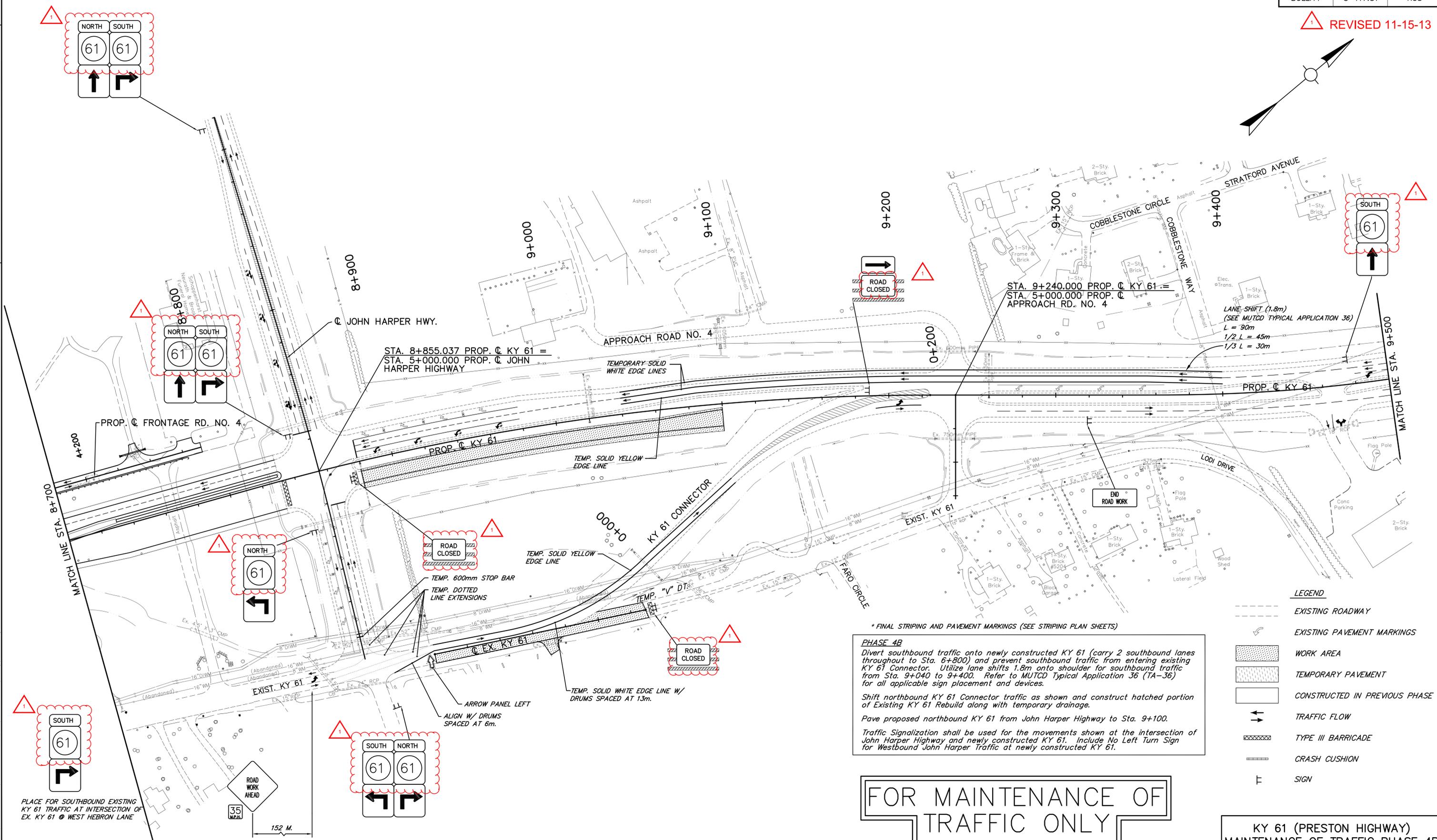


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\* FINAL STRIPING AND PAVEMENT MARKINGS (SEE STRIPING PLAN SHEETS)

**PHASE 4B**  
 Divert southbound traffic onto newly constructed KY 61 (carry 2 southbound lanes throughout to Sta. 6+800) and prevent southbound traffic from entering existing KY 61 Connector. Utilize lane shifts 1.8m onto shoulder for southbound traffic from Sta. 9+040 to 9+400. Refer to MUTCD Typical Application 36 (TA-36) for all applicable sign placement and devices.

Shift northbound KY 61 Connector traffic as shown and construct hatched portion of Existing KY 61 Rebuild along with temporary drainage.

Pave proposed northbound KY 61 from John Harper Highway to Sta. 9+100.

Traffic Signalization shall be used for the movements shown at the intersection of John Harper Highway and newly constructed KY 61. Include No Left Turn Sign for Westbound John Harper Traffic at newly constructed KY 61.

- LEGEND**
- EXISTING ROADWAY
  - EXISTING PAVEMENT MARKINGS
  - [Hatched Box] WORK AREA
  - [Dotted Box] TEMPORARY PAVEMENT
  - [Solid Box] CONSTRUCTED IN PREVIOUS PHASE
  - [Arrow] TRAFFIC FLOW
  - [X-X-X] TYPE III BARRICADE
  - [Double Line] CRASH CUSHION
  - [Symbol] SIGN

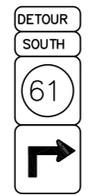
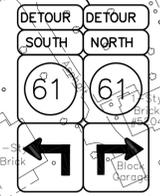
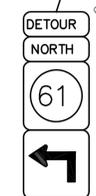
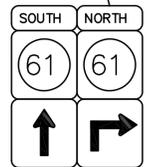
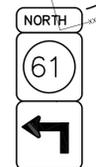
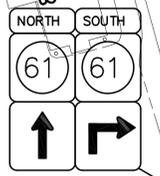
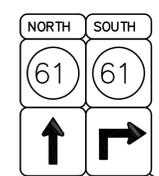
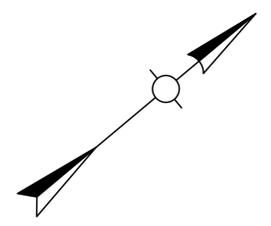
FOR MAINTENANCE OF TRAFFIC ONLY

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4B  
 STA. 8+700 TO STA. 9+500

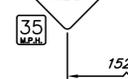
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 APPROVED BY \_\_\_\_\_ DATE \_\_\_\_\_



PLACE FOR SOUTHBOUND EXISTING KY 61 TRAFFIC AT INTERSECTION OF EX. KY 61 @ WEST HEBRON LANE



FOR MAINTENANCE OF TRAFFIC ONLY

- LEGEND**
- EXISTING ROADWAY
  - EXISTING PAVEMENT MARKINGS
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

\* FINAL STRIPING AND PAVEMENT MARKINGS (SEE STRIPING PLAN SHEETS)

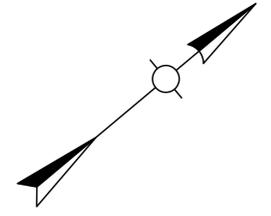
**PHASE 4C**  
 Southbound KY 61 traffic shall remain the same as in Phase 4B (Lane Shifts).  
 Stripe John Harper Highway to allow westbound traffic to make left turn to southbound KY 61 and eastbound traffic to make left turn to northbound existing KY 61.  
 Utilize newly rebuilt existing KY 61 for northbound KY 61 & detour traffic to Approach Rd. No. 4 to access northbound KY 61.  
 Build remaining portion of proposed northbound KY 61 from Sta. 9+100 to Approach Rd. No. 4. Work shall be completed in one night.  
 Build remaining portion of existing KY 61 along with proposed drainage ditches, pipes, and associated structures.  
 Temporary Conc. Barrier Wall is relocated from southbound KY 61 at John Harper Hwy.

Scale: 1 : 1000

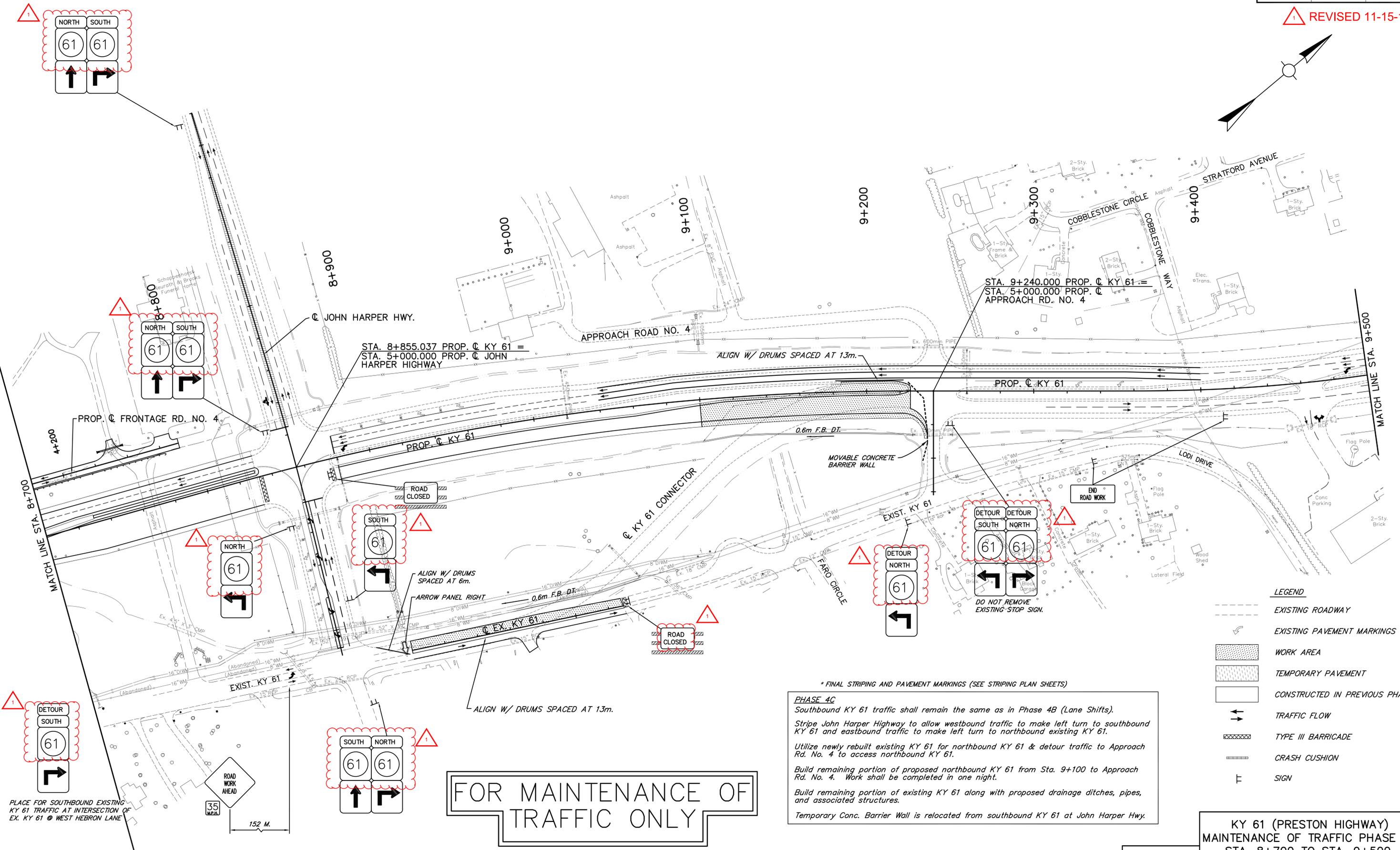
KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4C  
 STA. 8+700 TO STA. 9+500

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



- LEGEND**
- EXISTING ROADWAY
  - - - EXISTING PAVEMENT MARKINGS
  - [Hatched Box] WORK AREA
  - [Dotted Box] TEMPORARY PAVEMENT
  - [Solid Box] CONSTRUCTED IN PREVIOUS PHASE
  - [Arrow] TRAFFIC FLOW
  - [X-hatched Box] TYPE III BARRICADE
  - [Dashed Line] CRASH CUSHION
  - [T-shape] SIGN

\* FINAL STRIPING AND PAVEMENT MARKINGS (SEE STRIPING PLAN SHEETS)

**PHASE 4C**  
 Southbound KY 61 traffic shall remain the same as in Phase 4B (Lane Shifts).  
 Stripe John Harper Highway to allow westbound traffic to make left turn to southbound KY 61 and eastbound traffic to make left turn to northbound existing KY 61.  
 Utilize newly rebuilt existing KY 61 for northbound KY 61 & detour traffic to Approach Rd. No. 4 to access northbound KY 61.  
 Build remaining portion of proposed northbound KY 61 from Sta. 9+100 to Approach Rd. No. 4. Work shall be completed in one night.  
 Build remaining portion of existing KY 61 along with proposed drainage ditches, pipes, and associated structures.  
 Temporary Conc. Barrier Wall is relocated from southbound KY 61 at John Harper Hwy.

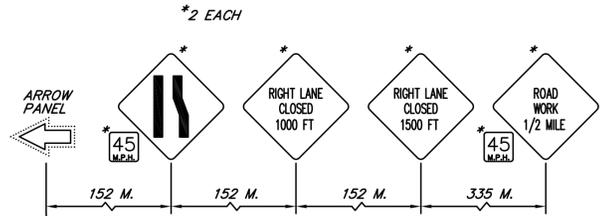
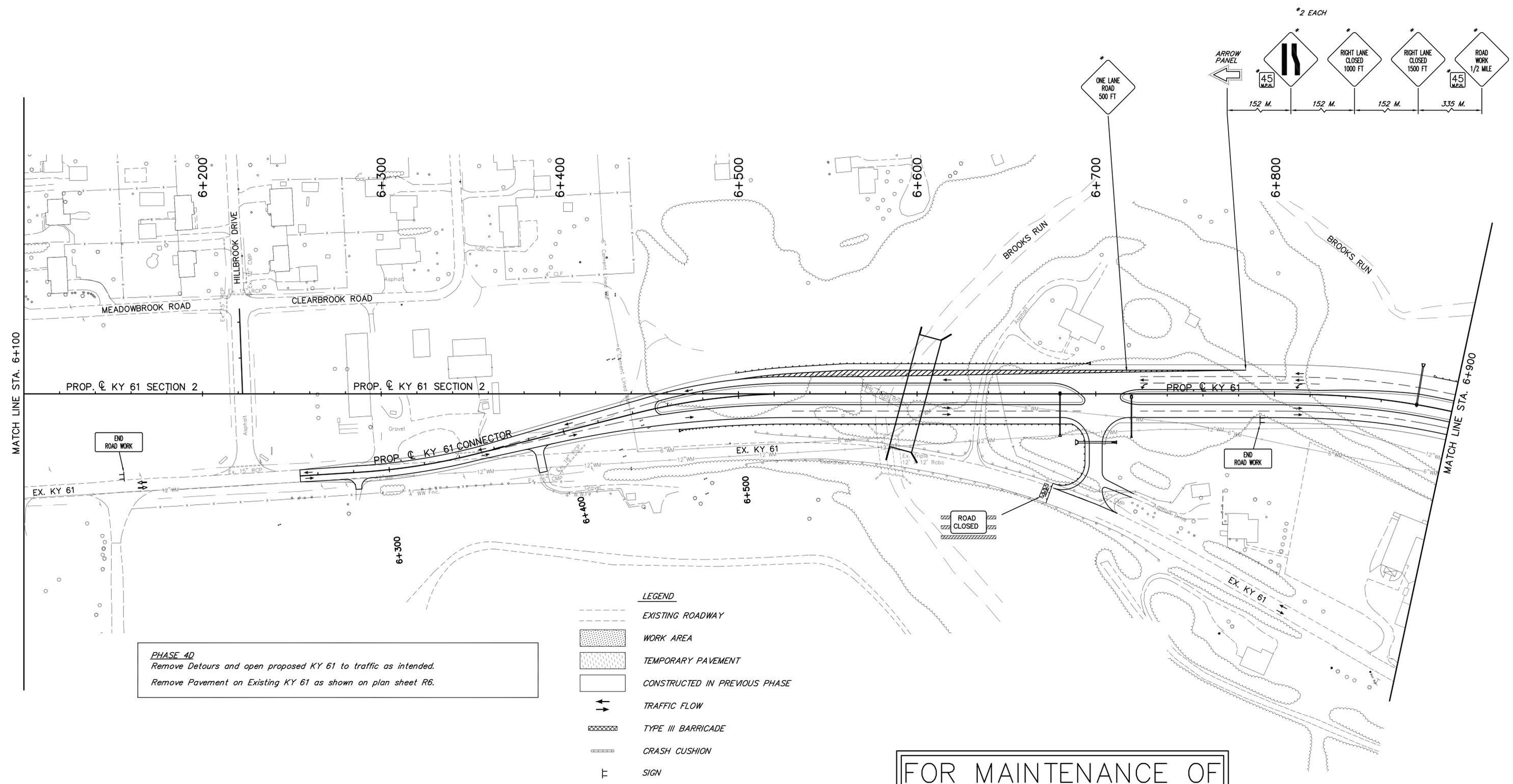
FOR MAINTENANCE OF TRAFFIC ONLY

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KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4C  
 STA. 8+700 TO STA. 9+500

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**PHASE 4D**  
 Remove Detours and open proposed KY 61 to traffic as intended.  
 Remove Pavement on Existing KY 61 as shown on plan sheet R6.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

FOR MAINTENANCE OF  
 TRAFFIC ONLY

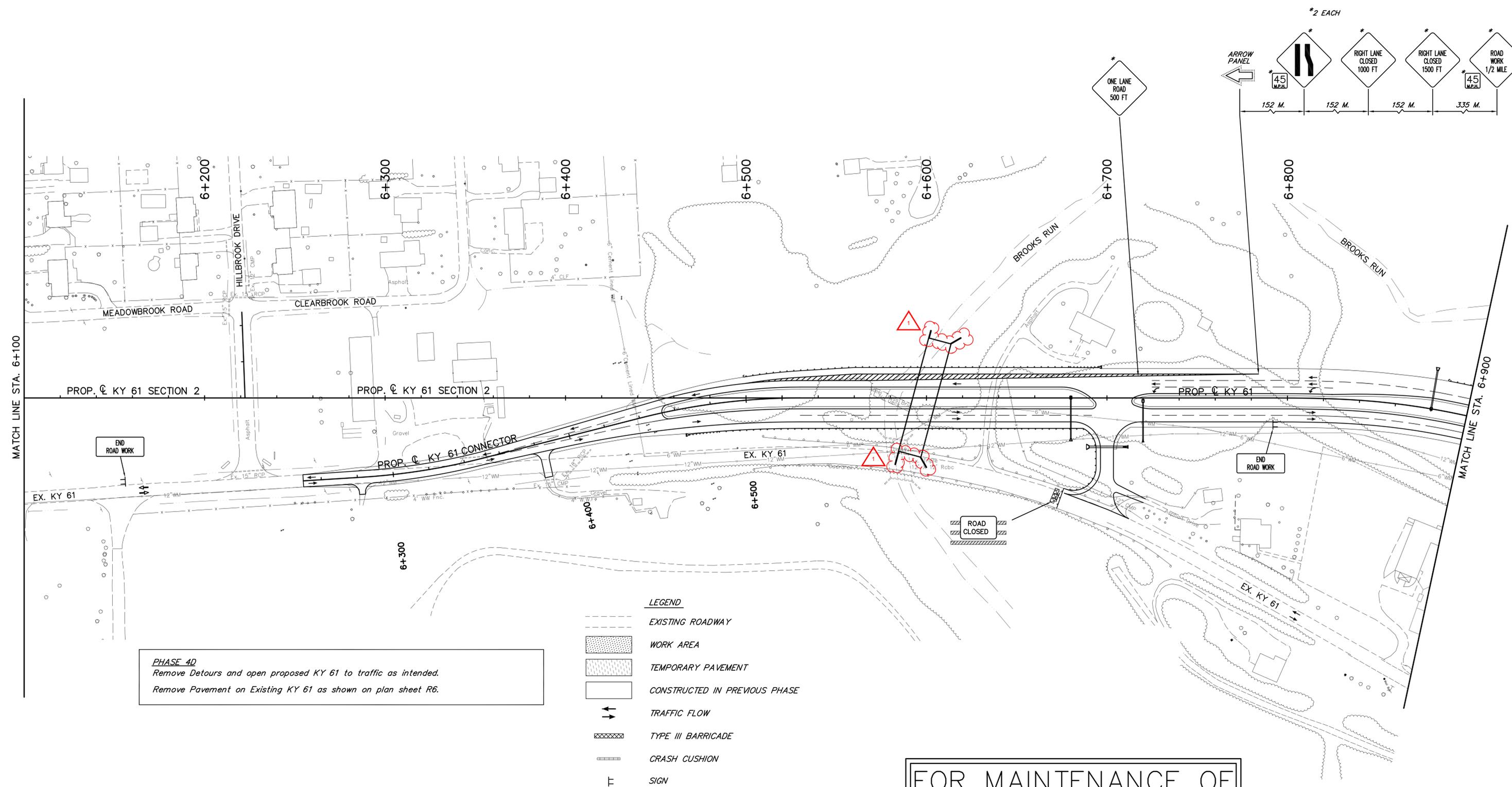
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KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4D  
 STA. 6+100 TO STA. 6+900

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REVISION 11-15-13

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



**PHASE 4D**  
 Remove Detours and open proposed KY 61 to traffic as intended.  
 Remove Pavement on Existing KY 61 as shown on plan sheet R6.

- LEGEND**
- EXISTING ROADWAY
  - WORK AREA
  - TEMPORARY PAVEMENT
  - CONSTRUCTED IN PREVIOUS PHASE
  - TRAFFIC FLOW
  - TYPE III BARRICADE
  - CRASH CUSHION
  - SIGN

FOR MAINTENANCE OF TRAFFIC ONLY

Scale: 1 : 1000

KY 61 (PRESTON HIGHWAY)  
 MAINTENANCE OF TRAFFIC PHASE 4D  
 STA. 6+100 TO STA. 6+900

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## SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
TO EXISTING 4 LANE  
ITEM NO. 5-117.31**

**GENERAL PROJECT NOTE ON UTILITY PROTECTION**

Utility coordination efforts determined that there are utilities that will require relocation to accommodate this construction. The information provided below in these Special Notes for Utility Clearance, Impact on Construction may not be exact or complete. The information provided is for the contractor's use in planning the execution of the work. It shall be the road contractor's responsibility to verify the completeness and/or accuracy of all such information being furnished.

**NOTE: DO NOT DISTURB THE FOLLOWING UTILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS**

**AT&T-Legacy, LG&E-Electric, LG&E-Gas, Louisville Water Company, Windstream, Time Warner/Insight, Salt River Electric, Bullitt County School Board** have facilities that require relocation. Please see the notes below pertaining to their relocations.

**AT&T Legacy** - Has existing underground facilities at the beginning of this project.

Existing underground facilities run on the east side of existing KY 61 from Sta. 6+250 Rt. 62 M to Sta. 6+447 Rt. 49M. From Sta. 6+447 Rt. 49M the underground facility crossed existing KY 61 and then runs on the west side of existing KY 61 at Sta. 6+447 Rt. 24. The underground facility crosses proposed KY 61 at Sta. 6+551. These facilities will be removed or relocated by AT&T or their contactors.

**This work is anticipated to be completed by December 26, 2014.**

**LG&E-Electric** - Has existing overhead facilities throughout the entire project limits.

Overhead line run parallel with proposed KY 61 from Sta. 6+409 Rt. 29 M to Sta. 6+688 Rt. 48 M. Overhead lines cross proposed KY at Sta. 6+635. Overhead facilities run perpendicular to proposed KY 61 from Sta. 6+409 Lt. 64M to Sta. 6+410 Rt. 48M and crosses proposed KY 61 at Sta. 6+409. Overhead facilities run parallel to Joy Drive on the north side, from Sta. 7+409 Lt. 81 to Sta. 7+441 Rt. 17M. The overhead facility crosses proposed KY 61 at Sta. 7+435. Overhead facilities run parallel to proposed KY 61 on the west side, from Sta. 7+425 Lt. 88 M to 7+482 Lt. 45 M. The overhead facility crosses Joy Dr at Sta. 7+429 Lt. 29 M and proposed frontage road 3 at Sta. 7+454 37 M. Overhead facilities run on the south side of Vicki Drive from Sta. 7+574 Lt. 64 M to Sta. 7+625 Rt. 88 M. This facility crosses proposed KY 61 at Sta. 7+597. Overhead facilities run on parallel to West Hebron Lane on the north side from Sta. 8+506 Lt. 110 M to Sta. 8+536 Rt. 84M. The overhead facility crosses proposed KY 61 at Sta. 8+538. The overhead facility crosses West Hebron Lane at Sta.8+537 Rt. 15M. Overhead facilities cross the intersection of Bells Mill Lane and existing KY 61 at Sta. 5+222 to Sta. 5+237 Rt. 7 M.

**These facilities will be removed or relocated by LG&E or their contactors.**

## SPECIAL NOTES FOR UTILITY CLEARANCE

### IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
TO EXISTING 4 LANE  
ITEM NO. 5-117.31**

LG&E, Windstream, and Time Warner Cable share some of the same pole routes. The road contractor shall be aware that there are a number of LG&E poles that shall remain or which are expected to be installed prior to the start of the roadway work. Existing poles will be removed once all facilities have been transferred to new poles.

**This work is anticipated to be completed by April 25, 2014.**

**LG&E-Electric** - Existing overhead facilities shall remain in place as described below.

Existing overhead facilities running parallel to existing KY 61 from Sta. 6+250 Rt. 58M to 6+817 Rt. 138M. Overhead facilities run from Sta. 4+90 Rt. 7M to Sta. 4+066 Lt. 10M. These facilities cross Vicki Drive at Sta. 4+000 Lt. 17 M. Overhead facilities run perpendicular to proposed KY 61 from Sta. 8+770 Lt. 46 M to Sta. 8+770 Rt. 40M. The overhead facility crosses proposed KY 61 at Sta. 8+771.

**These facilities are not to be disturbed and will remain in place.**

**LG&E-Gas** –An existing 8-inch plastic medium pressure line runs along the south-east side of existing KY 61 from the beginning of the project at Sta. 6+250.00 to Sta. 6+883. An existing 2-inch plastic medium pressure line runs south side of Joy Drive from Sta. 3+775 Rt. 2M to Sta. 7+434 Rt. 34 M. An existing 4 inch plastic medium pressure runs along the south side of West Hebron Lane west of Sta. 4+915.00 Rt. 4M to past Sta. 5+117.924 Rt. 4M.

**These facilities will be removed or relocated by LG&E or their contactors.**

**When blasting within vicinity of any gas facility a blasting plan will need to be submitted to LG&E project engineer.**

**Louisville Water Company** - Existing underground facilities shall remain in place as described below.

Existing 24" water main runs parallel to proposed KY 61 from Sta. 6+250 Rt. 40.5 M to Sta. 6+800 Rt. 95 M and continues along existing KY 61 until Vickie Drive. Existing 24" water main runs parallel to proposed KY 61 from Sta. 7+632 Rt. 53 M to Sta. 8+742 Lt. 49 M. The existing 24" water main crossed proposed KY 61 at Sta. 7+840. The existing 24" water main crosses proposed frontage road 3 at Sta. 7+978 Lt. 41M. The existing 24" water main crosses West Hebron Lane at Sta. 8+532 Lt. 42M. The existing 24" water main crosses frontage road 4 at Sta. 8+564 Lt. 61 M.

**These facilities are not to be disturbed and will remain in place.**

## SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
TO EXISTING 4 LANE  
ITEM NO. 5-117.31**

**Windstream** - Has existing overhead facilities throughout the entire project limits.

Overhead lines run parallel with existing KY 61 and proposed KY 61 from Sta. 6+046 to Sta. 6+444. An overhead crossing occurs at Sta. 6+409. From Sta. 6+444 to Sta. 6+760 overhead lines run on the east side of proposed KY 61. An overhead crossing occurs at Sta. 6+627. Overhead lines run from Sta. 7+206 Lt. 41M to an existing utility pole at Sta. 7+213 Lt. 12M. From the utility pole at Sta. 7+213 Lt. 12 M the lines run underground on the north side of Bells Mill Lane to an existing utility pole at Sta. 5+222 Lt. 1M.

On the north side of Joy Drive an overhead lines run from Sta. 7+409 Lt. 29M to Sta. 7+447 Rt. 29M with an overhead crossing at Sta. 7+436. An overhead lines runs from Sta. 7+425 Lt 30M to Sta. 7+483 Lt. 45 with an overhead crossing at Sta. 7+466 of proposed frontage road number 3. An overhead lines crosses Vickie Drive at Sta. 7+604. Underground line runs parallel on the north side of proposed approach road number 3 from Sta. 7+962 Rt.307 M to Sta. 7+967 Lt. 42.3M. On the north side of West Hebron Lane an overhead line runs from Sta. 8+507 Lt. 110M to Sta. 8+570 Rt. 109 M with an overhead crossing Sta. 5+830 and Sta. 5+839. These facilities will be removed or relocated by Windstream.

LG&E, Windstream, and Time Warner Cable share some of the same pole routes. The road contractor shall be aware that there are a number of Windstream poles that shall remain or which are expected to be installed prior to the start of the roadway work. Existing poles will be removed once **all** facilities have been transferred to new poles.

**This work is anticipated to be completed by July 25, 2014.**

**Windstream**- Existing overhead facilities shall remain in place as described below.

Existing overhead facilities shall remain in place on the south side of Vickie Drive from Sta. 7+558 Lt. 115M to 7+624 Rt. 89M. Existing overhead facilities run on the west side of existing KY 61 near Sta. 7+900 to Sta. 9+039 will remain in place. An existing overhead facility crosses proposed KY 61 near Sta. 9+039 will remain in place. An existing overhead facility crosses proposed Bells Mill Lane near Sta. 5+222 will remain in place.

**These facilities are not to be disturbed and will remain in place.**

**Time Warner Cable** - Has existing overhead facilities throughout the entire project limits.

Overhead facilities run perpendicular to proposed KY 61 from Sta. 6+409 Lt. 64M to Sta. 6+410 Rt. 48M and crosses proposed KY 61 at Sta. 6+409. Overhead facilities run parallel to Joy Drive on the north side, from Sta. 7+409 Lt. 81 to Sta. 7+441 Rt. 17M. The overhead facility crosses proposed KY 61 at Sta. 7+435.

## SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
TO EXISTING 4 LANE  
ITEM NO. 5-117.31**

Overhead facilities run on the south side of Vicki Drive from Sta. 7+574 Lt. 64 M to Sta. 7+625 Rt. 88 M. This facility crosses proposed KY 61 at Sta. 7+597. Overhead facility runs parallel on the north side of proposed West Hebron Lane from Sta. 4+000 Lt. 4M to Sta. 5+117 Rt. 5M with overhead crossings at proposed KY 61 Sta. 8+537 and Hebron Lane Sta. 5+017. Overhead facilities cross the intersection of Bells Mill Lane and existing KY 61 at Sta. 5+222 to Sta. 5+237 Rt. 7 M. These facilities will be removed or relocated by Time Warner Cable.

LG&E, Windstream, and Time Warner Cable share some of the same pole routes. Existing poles will be removed once all facilities have been transferred to new poles.

**This work is anticipated to be completed by May 23, 2014.**

Time Warner Cable - Existing overhead facilities running parallel to existing KY 61 shall remain in place from Sta. 6+250 Rt. 58M to 6+817 Rt. 138M.

**These facilities are not to be disturbed and will remain in place.**

Salt River Electric - Has an existing overhead crossing from Sta. 6+816 Lt. 28 M to Sta. 6+816 Rt. 43 M with an existing utility pole at Sta. 6+811 6M. This facility will be removed or relocated by Salt River Electric. **This work is anticipated to be completed by January 24, 2014.**

Bullitt County School Board - Has an existing overhead crossing from Sta. 6+816 Lt. 28 M to Sta. 6+816 Rt. 43 M with an existing utility pole at Sta. 6+811 6M. This facility will be removed or relocated Bullitt County School Board Contractors. **This work is anticipated to be completed by February 14, 2014.**

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

**THE FOLLOWING COMPANIES ARE RELOCATING/ADJUSTING THEIR UTILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION**

Not Applicable

**THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE COMPANY OR THE COMPANY'S SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT**

LG&E-Electric - Has proposed overhead facilities throughout the entire project limits. A proposed overhead route will begin at Sta. 6+442 Lt 53 M to Sta. 6+447 Rt. 63 M and cross proposed KY 61 at Sta. 6+444. An overhead route will begin at Sta. 7+383 Lt. 99 M then crosses proposed frontage road 3 at Sta. 7+381. Then from Sta. 7+416 Lt. 80 M to 7+447 Rt. 35 M the overhead route runs on the north side of Joy Drive. At Sta. 7+347 there is a proposed overhead crossing of proposed KY 61.

## SPECIAL NOTES FOR UTILITY CLEARANCE

### IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116**  
**FD52 015 53251 02U**  
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**TO EXISTING 4 LANE**  
**ITEM NO. 5-117.31**

An overhead route will begin at Sta. 7+380 Rt. 32 M and will run parallel to proposed KY 61 and will terminate at Sta. 7+447 Rt. 35M at an existing utility pole. A proposed overhead route will cross Joy Drive at Sta. 7+438 Rt. 34. A proposed overhead route will begin at Sta. 7+380 Lt. 100 M on the west side of proposed KY 61 and will cross proposed frontage road 3 at Sta. 7+398. A proposed overhead route will begin at Sta. 7+417 Lt. 110 M on the north side of proposed frontage road 3 and terminates at Sta. 7+447 Rt. 35M at an existing utility pole. An overhead crossing will occur at Sta. 7+438 over proposed KY 61. An overhead route will begin at Sta. 7+406 Lt. 30 with an overhead crossing on Joy Drive at Sta. 7+415 Lt. 36M and will continue north and will terminate at Sta. 7+574 Lt. 63 at an existing utility pole. The proposed overhead route will cross proposed frontage road 3 at Sta. 7+434 Lt. 39M.

An overhead route will begin at Sta. 8+506 Lt. 111M on the north side of West Hebron Lane. The route will cross West Hebron Lane at Sta. 8+507 Lt. 96M then runs on the south side of West Hebron Lane. The proposed overhead route will cross proposed KY 61 at Sta. 8+517 and continues on the south side of West Hebron Lane and terminate at Sta. 8+565 Rt. 133M at an existing utility pole.

LG&E, Windstream, and Time Warner Cable share some of the same pole routes. The road contractor shall be aware that there are a number of LG&E poles that shall remain or which are expected to be installed prior to the start of the roadway work. Existing poles will be removed once all facilities have been transferred to new poles. **This work is anticipated to be completed by April 25, 2014.**

Windstream - Has proposed overhead facilities throughout the entire project limits. Proposed buried facilities will run on the east side of proposed KY 61 from Sta. 6+016 Rt. 48.2 M to St. 6+046 Rt. 48.2 and will cross proposed KY 61 at Sta. 6+048. From Sta. 6+048 Lt. 35 M the proposed buried lines will run on the west side of proposed KY 61 to Sta. 6+442 Lt. 53 M where the buried route crosses proposed KY 61 at Sta. 6+444. From Sta. 6+446 Rt. 46 M the proposed route turns overhead and follows along the east side of existing KY 61 to Sta. 6+873 Rt. 129M. At Sta. 7+206 Lt. 41 M the proposed overhead route crosses proposed KY 61 and then run on the east side of KY 61 at Sta. 7+243 Rt. 51 M the proposed overhead route then crosses over Bells Mill Lane. From the Bells Mill Lane crossing, the proposed overhead route runs terminates at a proposed pole at Sta. 7+289 Rt. 41M. From Sta. 7+289 Rt. 41 M the proposed route is buried and runs on the north side of Bells Mill Lane to Sta. 5+231 18 M and terminates at an existing pole. A proposed overhead route will run from Sta. 7+380 Rt. 32M on the east side of proposed KY 61 and will cross Joy Drive at Sta. 7+420 Rt. 29M from Sta. 7+420 42M the overhead route will terminate to an existing overhead route at 7+449 20 M. From Sta. 7+415 Lt. 81 M a proposed overhead route runs on the north side of proposed frontage road 3 at Sta. 7+437 39M the proposed overhead route crosses proposed frontage road 3 then runs on the east side of proposed frontage road 3 then crosses Vickie Drive at Sta. 7+604 35M then terminates at Sta. 7+608 35M on the north side of

## SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
TO EXISTING 4 LANE  
ITEM NO. 5-117.31**

proposed KY 61. A proposed buried 25 pair cable begins at Sta. 7+962 Lt. 94 M to Sta. 8+002 Lt. 42 M on the north side of proposed approach road 3. From Sta. 8+002 Lt. 42 M the proposed route goes overhead and crosses proposed KY 61 at Sta. 8+002 then runs parallel to proposed frontage road 3. Then from Sta. 8+002 Rt. 125 M the cable then is buried to an existing pole at Sta. 8+018 Rt. 131 M. A proposed overhead route starts on the north side of West Hebron Lane at Sta. 8+507 Lt. 110 M then crosses West Hebron Lane at Sta. 8+506 Lt. 97M then runs on the south side of West Hebron Lane and crosses proposed KY 61 at Sta. 8+517. From Sta. 8+517 the proposed overhead route crosses West Hebron Lane at Sta. 8+550 Rt. 60M then runs on the north side of West Hebron Lane and terminates at Sta. 8+572 Rt. 108.

LG&E, Windstream, and Time Warner Cable share some of the same pole routes. The road contractor shall be aware that there are a number of Windstream poles that shall remain or which are expected to be installed prior to the start of the roadway work. Existing poles will be removed once all facilities have been transferred to new poles.

**This work is anticipated to be completed by July 25, 2014.**

**LG&E-Gas** - A proposed 8 inch medium pressure plastic gas main will be placed from at Sta. 6+25 Rt. 53 M to Sta. 6+667 Rt. 63M The 8 inch proposed gas main will cross proposed KY 61 at Sta. 6+25 and at Sta. 6+667.

The proposed 2 inch medium pressure plastic gas main will be placed from Sta. 3+775 Rt. 11 M to Sta. 7+434 Rt. 34M. A proposed 4 inch steel casing pipe will be placed from Sta. 7+400 Lt. 22M to Sta. 7+400 Rt. 20M under proposed KY 61.

A proposed 4 inch plastic medium pressure line will be relocated starting at Sta. 4+910 Rt. 9M under West Hebron Lane and will continue north parallel proposed frontage road number 4 from Sta. 4+006 Lt. 10M and will stay approximately 1M off (south) of the proposed right of way for proposed frontage road number 4. The proposed 4 inch plastic line will then connect to a proposed 6 inch medium pressure line on the south side of John Harper Highway. The proposed 6 inch medium pressure plastic line will begin at Sta. 4+942 Rt. 26M of John Harper Highway and will continue east and will tie into an existing 8 inch medium pressure steel main at 8+850 Rt. 123M. A proposed 10 inch casing across proposed KY 61 will begin at Sta. 4+960 Rt. 26M and will end at Sta. 5+022 Rt. 26M. Coordination between the contractor and LG&E will be required for the installation of the proposed 6 inch medium pressure line along John Harper Highway. **This work is anticipated to be completed by November 1, 2014.**

**When blasting within vicinity of gas facility a blasting plan will need to be submitted to LG&E project engineer.**

## SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116  
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WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
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ITEM NO. 5-117.31**

**Time Warner Cable** - Has proposed overhead facilities throughout the entire project limits. A proposed overhead route will begin at Sta. 6+442 Lt 53 M to Sta. 6+447 Rt. 63 M and cross proposed KY 61 at Sta. 6+444. A proposed overhead route will begin at Sta. 7+416 Lt. 80 M to Sta. 7+447 Rt. 35 M the overhead route runs on the north side of Joy Drive. At Sta. 7+347 there is a proposed overhead crossing of proposed KY 61. An overhead route will begin at Sta.7+426 Lt. 37 M and will continue north and will terminate at Sta. 7+574 Lt. 63 at an existing utility pole. The proposed overhead route will cross proposed frontage road 3 at Sta. 7+434 Lt. 39M. A proposed overhead route will begin at Sta. 8+506 Lt. 111M on the north side of West Hebron Lane. The route will cross West Hebron Lane at Sta. 8+507 Lt. 96M then runs on the south side of West Hebron Lane. The proposed overhead route will cross proposed KY 61 at Sta. 8+517 and continues on the south side of West Hebron Lane and terminate at Sta. 8+565 Rt. 133M at an existing utility pole. A proposed overhead route will begin at Sta. 5+190 Rt. 17 M to Sta. 5+237 Rt. 7 M. The overhead route will cross existing KY 61 at Sta. 4+013.

LG&E, Windstream, and Time Warner Cable share some of the same pole routes. Existing poles will be removed once **all** facilities have been transferred to new poles.

**This work is anticipated to be completed by May 23, 2014.**

**Salt River Electric** - Has one existing overhead crossing within this project limits. The proposed overhead crossing begins at Sta. 6+16 Lt. 38M to Sta. 6+816 Rt. 43M. This overhead facility crosses over proposed KY 61 at Sta. 6+817. **This work is anticipated to be completed by January 24, 2014.**

**Bullitt County School Board** - Has one existing overhead crossing within this project limits. The proposed overhead crossing begins at Sta. 6+16 Lt. 38M to Sta. 6+816 Rt. 43M. This overhead facility crosses over proposed KY 61 at Sta. 6+817.

**This work is anticipated to be completed by February 14, 2014.**

**Permitted Private Owner** - Has proposed underground sanitary facilities within the project limits. A proposed 18" steel casing will run from Sta. 8+586 Lt. 75M Lt. Sta. 8+733 Rt. 43 M. The proposed casing will cross proposed KY 61 at Sta. 8+673. A proposed manhole will be within the disturbed limits at Sta. 8+623 Lt. 36 M and at Sta. 8+716 Rt. 31.5 M.

A proposed 16" steel casing will run from Sta. 8+342 Lt. 35 M to Sta. 8+357 Rt. 38 M. The proposed casing will cross proposed KY 61 at Sta. 8+352. These facilities will be built to KYTC and Bullitt County Sanitation Standards and ownership will be transferred to Bullitt County Sanitation in the future. **This work is anticipated to be completed by February 1, 2014**

## SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
TO EXISTING 4 LANE  
ITEM NO. 5-117.31**

The Department will consider submission of a bid as the Contractor's agreement to not make any claims for additional compensation due to delays or other conditions created by the operations of **AT&T-Legacy, LG&E-Electric, LG&E-Gas, Louisville Water Company, Windstream, Time Warner/Insight, Salt River Electric, and Bullitt County School Board**. Working days will not be charged for those days on which work on (Utility Company(s) Name) facilities is delayed, as provided in the current edition of the KY Standard Specifications for Road and Bridge Construction. Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to the project, the KYTC Resident Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department's work in general harmony and in a satisfactory manner, and his decision shall be final and binding upon the Contractor.]

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

Louisville Water Company - Has both 6 "and 12" water mains on the east side of proposed KY 61 from Sta. 6+250 Rt. 37M to Sta. 6+669 Rt. 50M that will be abandoned. The existing mains will be replaced by the contractor as part of the roadway project as shown on the relocation plans by a 16" water main running north beginning at approximate Sta. 6+250 Lt.35 M to Sta. 6+669 Rt. 50M where it will terminate into an existing 24" water main.

An existing 24" water main on the east side of proposed KY 61 from Sta.6+380 Rt. 29M to Sta. 6+669 Rt. 50M that will be abandoned. The existing main will be replaced by the contractor as part of the roadway project as shown on the relocation plans by a 24" water main running north beginning at approximate Sta.6+380 Rt. 29M to Sta. Sta. 6+669 Rt. 50M where it will terminate into an existing 24" water main.

An existing 12" water main on the north side of West Hebron Lane from Sta. 8+533 Lt. 52M to Sta. 8+553 Rt.28M existing 12" water main will be abandoned. The existing main will be replaced by the contractor as part of the roadway project as shown on the relocation plans by a 12" water main from approximate Sta. 8+533 Lt 54M to Sta. 8+553 Rt.28M with a crossing of proposed KY 61 at Sta. 8+5 48.

An existing 6" water main from Sta. 7+397 Lt. 87M to Sta. 7+480 Rt. 205M will be replaced by the contractor as part of the roadway project as shown on the relocation plans by a 12" water main running parallel to Joy Drive beginning at Sta.7+402 Lt. 100M to Sta. 7+488 Rt. 176M where it will terminate into an existing 24" water main parallel to existing KY 61. The proposed 12" water will cross proposed KY 61 at Sta. 7+432 with a 24" casing pipe.

## **SPECIAL NOTES FOR UTILITY CLEARANCE**

### **IMPACT ON CONSTRUCTION**

**BULLITT COUNTY, STP 5116**  
**FD52 015 53251 02U**  
**WIDEN KY 61 SOUTH OF BROOKS RUN ROAD**  
**TO EXISTING 4 LANE**  
**ITEM NO. 5-117.31**

An existing 6" water main on the south side of Vicki Lane from Sta. 7+576 Lt. 74M to Sta. 7+6160 Rt. 50M water main will be abandoned. The existing main will be replaced by the contractor as part of the roadway project as shown on the relocation plans by a 6" water main from approximate Sta. 7+576 Lt. 74M to Sta. 7+6160 Rt. 50M. The proposed 6" water will cross proposed KY 61 at Sta. 7+554 with a 16" casing pipe.

See the plans, specifications and special notes concerning the relocations.

**AT&T Legacy**-A proposed 6" steel casing will be placed by the contractor as part of the roadway project as shown on the relocation plans. From approximate Sta. 6+520 Rt. 40 M to 6+598 Lt. 42 M. The proposed 6" steel casing will cross proposed KY 61 at Sta. 6+588

See the plans, specifications and special notes concerning the relocations.

### **SPECIAL CAUTION NOTE – PROTECTION OF UTILITIES**

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.

## SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
TO EXISTING 4 LANE  
ITEM NO. 5-117.31

### BEFORE YOU DIG

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

---

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

### AREA UTILITIES CONTACT LIST

<u>Utility Company/Agency</u>	<u>Contact Name</u>	<u>Contact Information</u>
1. LG&E KU (Electric) 820 West Broadway Louisville, KY 40202 LG&E Emergency Number (502) 589-1444 LG&E and KU Emergency Number 1-800-331-7370	Greg Geiser	work: (502) 627-3708 <a href="mailto:Greg.Geiser@LGE-KU.com">Greg.Geiser@LGE-KU.com</a>
2. LG&E (Gas) 820 West Broadway Louisville, KY 40202 Gas Emergency Number (502) 589-5511 LG&E and KU Emergency Number 1-800-331-7370	Greg Geiser	work: (502) 627-3708 <a href="mailto:Greg.Geiser@LGE-KU.com">Greg.Geiser@LGE-KU.com</a>
3. Louisville Water Company 550 South Third Street	Daniel Tegene, PE	(502) 569-3649

## SPECIAL NOTES FOR UTILITY CLEARANCE

### IMPACT ON CONSTRUCTION

BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
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TO EXISTING 4 LANE  
ITEM NO. 5-117.31

Louisville, KY 40202

[DTegene@LWCKy.com](mailto:DTegene@LWCKy.com)

4. Windstream Kentucky, Inc.  
229 Lees Valley Road  
Shepherdsville, KY 40165  
502-957-7127  
111 S. Main St.  
Elizabethtown, KY 42071

Roger Redford  
cell – (270) 723-7549  
[Roger.Redford@Windstream.com](mailto:Roger.Redford@Windstream.com)

OR

Barry Roberts  
(270) 723-7358  
[Barry.Roberts@Windstream.com](mailto:Barry.Roberts@Windstream.com)

130 West New Circle Rd  
Suite 170  
Lexington, KY 40505

Larry Brashear  
Office (859) 357-6255  
Cell (859) 490-0555  
[larry.brashear@windstream.com](mailto:larry.brashear@windstream.com)

5. Salt River Rural Electric Coop. Corp.  
111 W. Brashear Ave.  
Bardstown, KY 40004

Gary Pile  
[GPile@SRElectric.com](mailto:GPile@SRElectric.com)  
(502) 543-3083  
Don Crigler  
[DCrigler@SRElectric.com](mailto:DCrigler@SRElectric.com)

6. East Kentucky Power Coop  
4775 Lexington Road  
Winchester, KY 40391

Garry Harvey  
(859)745-9601  
[Garry.Harvey@EKPC.coop](mailto:Garry.Harvey@EKPC.coop)

Or

P O Box 707  
Winchester, KY 40391

Jason Witt  
[Jason.Witt@EKPC.coop](mailto:Jason.Witt@EKPC.coop)  
Cell: (859) 749-9110  
Office (859) 745-9596

Or

Barry Warner  
[Barry.Warner@EKPC.coop](mailto:Barry.Warner@EKPC.coop)  
(859) 745-9304

7. City of Shepherdsville Sewer  
634 Conestoga Parkway

Scott Flemming  
ph: (502) 955-7803

## SPECIAL NOTES FOR UTILITY CLEARANCE

### IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116**  
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**TO EXISTING 4 LANE**  
**ITEM NO. 5-117.31**

P O Box 400  
Shepherdsville, KY 40165

fax: (502) 543-2923 (City Shep)  
Cell: 502-664-6254  
sfleming@shepcity.com

8. Insight Communications Company  
4701 Commerce Crossings Dr.  
Louisville, KY 40229

Forrest Antique  
(502) 817-6519 – Cell  
(502) 357-4724 – Office  
[Forrest.Antique@TWCable.com](mailto:Forrest.Antique@TWCable.com)

9. Lebanon Junction Water Works  
City Hall - Main Street  
P O Box 69  
Lebanon Junction, KY 40150

Charles Sullivan  
Cell (502) 817-0352 (not use 502)  
[LJWW16@yahoo.com](mailto:LJWW16@yahoo.com)  
City Hall 502-833-4311

10. Mt. Washington Sewer & Water Commission  
208 Snapp Street  
Mt. Washington, KY 40047  
(502) 538-4216 or 538-4781 or 955-6784

Dawn Hall (city clerk)  
[DHall@mtwKY.org](mailto:DHall@mtwKY.org)  
Ronnie Fick (water & sanitary sewer)  
[RFick@mtwKY.org](mailto:RFick@mtwKY.org)  
(502)538-3771

11. Marathon Pipeline, LLC  
539 S Main St, Rm 7642  
Findlay, OH 45840

David Wisner  
[DSWisner@MarathonPetroleum.com](mailto:DSWisner@MarathonPetroleum.com)  
(419) 421-2211

12. Mid - Valley Pipeline Company  
4910 Limaburg Road  
Burlington, KY 41005  
FAX (866) 699-1185

Richard Calfee  
(859) 371-4469x14  
Cell: 859-630-8271  
[RCalfee@SunocoLogistics.com](mailto:RCalfee@SunocoLogistics.com)

13. AT&T Legacy  
4500 Johnston Pkwy.  
Cleveland, OH 44128

Mike Diederich  
[MD4145@att.com](mailto:MD4145@att.com)  
(216)-587-6267

## SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
TO EXISTING 4 LANE  
ITEM NO. 5-117.31**

- |     |  |  |
|-----|--|--|
|     |  | (216)-212-8556<br>Don Garr<br><a href="mailto:DRGarr@Hughes.net">DRGarr@Hughes.net</a><br>Cell: (502) 741-8374                                   |
| 14. | Taylorsville Sewer & Water, City of<br>70 Taylorsville Rd. P O Box 279<br>Taylorsville, KY 40071                     | Harold Compton<br><a href="mailto:HCompton@TaylorsvilleWater.org">HCompton@TaylorsvilleWater.org</a><br>(502) 477-3235                           |
| 15. | AT&T KY<br>3719 Bardstown Rd.<br>Louisville, KY 40218  | Morgan Herndon<br>(502) 458-7312<br><a href="mailto:Morgan.Herndon@ATT.com">Morgan.Herndon@ATT.com</a>   |
| 16. | Bullitt County Schools<br>1044 Highway 44 East<br>Shepherdsville, KY 40165<br>P. O. Box 1702<br>Mt. Vernon, KY 40456 | Jim Jackson<br><a href="mailto:Jim.Jackson@Bullitt.kyschools.us">Jim.Jackson@Bullitt.kyschools.us</a><br>(502) 543-2271 ext. 244                 |
| 17. | Bullitt Co. Sanitation District<br>P O Box 818<br>Hillview, KY 40129<br>502-957-6140 (office)                        | Jerry Kennedy<br>(502) 643-3165 (Cell)<br><a href="mailto:BullittSanitation@Windstream.net">BullittSanitation@Windstream.net</a>                 |
| 18. | Inside Connect Cable LLC(Now Insight)<br>4890 Knobb Creek Road<br>Brooks, KY 40109                                   | Clay Manley<br><a href="mailto:clay@insideconnect.net">clay@insideconnect.net</a><br>Tony Manley<br>Office: (502)955-4882<br>Cell: (502)593-5357 |
| 19. | Pioneer Village Sewer Plant<br>4846 Brownsboro Center Arcade   | Joe Sanders<br>(502) 609-2114 - cell   |

## SPECIAL NOTES FOR UTILITY CLEARANCE

### IMPACT ON CONSTRUCTION

**BULLITT COUNTY, STP 5116  
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ITEM NO. 5-117.31**

- |   |   |
|---|---|
| Louisville, KY 40242<br>502-895-4273  | NO EMAIL<br>Owner: Jim Walser   |
| <p>20. Kentucky Data Link (KDL now Windstream)<br/>Project Manager<br/>3701 Communications Way<br/>Evansville, IN 47715</p>       | <p>John Mcdowell<br/><a href="mailto:John.Mcdowell@windstream.com">John.Mcdowell@windstream.com</a></p> <p>(812) 759-7844(Maintenance)<br/><a href="mailto:WCI.Maintenance.South@Windstream.com">WCI.Maintenance.South@Windstream.com</a></p> <p>Timothy Gibson (Fiber location/relocation)<br/><a href="mailto:Timothy.Gibson@Windstream.com">Timothy.Gibson@Windstream.com</a><br/>(812) 454-6756</p> |
| <p>21. MCI – bought out by Verizon Business<br/>Verizon Business<br/>2400 N Glendale Dr<br/>MDC 3115<br/>Richardson, TX 75082</p> | <p>Dean Boyers (Investigations Dept)<br/><a href="mailto:Dean.Boyers@Verizon.com">Dean.Boyers@Verizon.com</a><br/>(972) 729-6322</p>  |
| <p>22. Nolin Rural Electric Cooperative Corp.<br/>411 Ring Road<br/>Elizabethtown, KY 42701</p>                                   | <p>Donnie Probst<br/>(270) 765-6153</p>   |
| <p>23. Qwest Communications Company, LLC<br/>700 W Mineral Ave, UTD2734<br/>Littleton, Colorado 80120</p>                         | <p>George McElvain<br/><a href="mailto:George.McElvain@Qwest.com">George.McElvain@Qwest.com</a><br/>303-992-9931<br/>Cell:720-260-2514<br/>Fax:303-707-3252</p>   |
| <p>24. Level 3 Communications (Transmission)<br/>715 S. 8<sup>th</sup> St.</p>  | <p>Kevin Webster<br/><a href="mailto:Kevin.Webster@Level3.com">Kevin.Webster@Level3.com</a></p>   |

## SPECIAL NOTES FOR UTILITY CLEARANCE IMPACT ON CONSTRUCTION

BULLITT COUNTY, STP 5116  
FD52 015 53251 02U  
WIDEN KY 61 SOUTH OF BROOKS RUN ROAD  
TO EXISTING 4 LANE  
ITEM NO. 5-117.31

Louisville, KY 40202

502-777-8622

Cell (502)777-8622

Fax (502)561-6950

Level 3 Communications (Distribution)  
962 South Third Street  
Louisville, KY 40203

Mark Sewell

[Mark.Sewell@Level3.com](mailto:Mark.Sewell@Level3.com)

Office (502)515-9142

Cell (502)295-0939

Relocations

[Level3.networkrelocations@level3.com](mailto:Level3.networkrelocations@level3.com)

Send to Relocations Email

25. Crown Castle Network Operations  
10170 Linn Station Road  
Suite 525  
Louisville, KY 40223

Brian Watkins

[Brian.Watkins@CrownCastle.com](mailto:Brian.Watkins@CrownCastle.com)

(502)318-1323

Brandy Bowling

[Brandy.Bowling@CrownCastle.com](mailto:Brandy.Bowling@CrownCastle.com)

(502)318-1322

Cindy Shaffer

[Cynthia.Shaffer@CrownCastle.com](mailto:Cynthia.Shaffer@CrownCastle.com)

(502) 318-1313

Chris Gladstone

[Chris.Gladstone@CrownCastle.com](mailto:Chris.Gladstone@CrownCastle.com)

(502)689-2162

26. MCI/Verizon(Owns WUTEL)  
MCI/Verizon  
730 West Henry Street  
Indianapolis, IN 46225

Chris Fowler

[chris.fowler@verizon.com](mailto:chris.fowler@verizon.com)

Office: (317) 685-8050

Cell: (317) 435-6225

LOUISVILLE WATER COMPANY  
PRESTON HIGHWAY (NEAR JOHN HARPER HIGHWAY TO NEAR HILLBROOK)  
CORRIDOR

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### PROPOSAL BID ITEMS

131224

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#### Section: 0001 - PAVING (ASPHALT ALTERNATE)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	68,518.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	302.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	36.00	TON		\$	
0040	00212		CL2 ASPH BASE 1.00D PG64-22	7,836.00	TON		\$	
0050	00214		CL3 ASPH BASE 1.00D PG64-22	31,059.00	TON		\$	
0060	00301		CL2 ASPH SURF 0.38D PG64-22	2,933.00	TON		\$	
0070	00388		CL3 ASPH SURF 0.38B PG64-22	4,103.00	TON		\$	
0080	10203ND		PAVEMENT ADJUSTMENT (ASPHALT) REVISED: 11-13-13	1.00	LS	407,023.00	\$	\$407,023.00

#### Section: 0002 - PAVING (CONCRETE ALTERNATE)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0090	00003		CRUSHED STONE BASE	65,134.00	TON		\$	
0100	00100		ASPHALT SEAL AGGREGATE	302.00	TON		\$	
0110	00103		ASPHALT SEAL COAT	36.00	TON		\$	
0120	00212		CL2 ASPH BASE 1.00D PG64-22	7,836.00	TON		\$	
0130	00301		CL2 ASPH SURF 0.38D PG64-22	2,933.00	TON		\$	
0140	02073		JPC PAVEMENT-9 IN	59,687.00	SQYD		\$	
0150	02075		JPC PAVEMENT-6 IN (SHOULDER)	26,653.00	SQYD		\$	
0160	10203ND		PAVEMENT ADJUSTMENT (CONCRETE) REVISED: 11-13-13	1.00	LS	256,224.00	\$	\$256,224.00

#### Section: 0003 - PAVING (GEOGRID ALTERNATE)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0170	00003		CRUSHED STONE BASE	83,718.00	TON		\$	
0180	00100		ASPHALT SEAL AGGREGATE	302.00	TON		\$	
0190	00103		ASPHALT SEAL COAT	36.00	TON		\$	
0200	00212		CL2 ASPH BASE 1.00D PG64-22	7,836.00	TON		\$	
0210	00214		CL3 ASPH BASE 1.00D PG64-22	21,661.00	TON		\$	
0220	00301		CL2 ASPH SURF 0.38D PG64-22	2,933.00	TON		\$	
0230	00388		CL3 ASPH SURF 0.38B PG64-22	4,103.00	TON		\$	
0240	10203ND		PAVEMENT ADJUSTMENT (GEOGRID) REVISED: 11-13-13	1.00	LS	407,023.00	\$	\$407,023.00
0250	20263ED		GEOGRID REINFORCEMENT	127,021.00	SQYD		\$	

#### Section: 0004 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0260	01063		STEEL ENCASMENT PIPE-6 IN	372.00	LF		\$	
0270	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	80.00	EACH		\$	
0280	01984		DELINEATOR FOR BARRIER - WHITE	6.00	EACH		\$	
0290	02003		RELOCATE TEMP CONC BARRIER	853.00	LF		\$	

**PROPOSAL BID ITEMS**

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Report Date 1/19/13

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0300	02014		BARRICADE-TYPE III	38.00	EACH		\$	
0310	02091		REMOVE PAVEMENT	2,435.00	SQYD		\$	
0320	02159		TEMP DITCH	9,521.00	LF		\$	
0330	02200		ROADWAY EXCAVATION	519,775.00	CUYD		\$	
0340	02223		GRANULAR EMBANKMENT	106.00	CUYD		\$	
0350	02242		WATER (FOR DUST CONTROL)	5.43	MGAL		\$	
0360	02262		FENCE-WOVEN WIRE TYPE 1	15,722.00	LF		\$	
0370	02265		REMOVE FENCE	285.00	LF		\$	
0380	02351		GUARDRAIL-STEEL W BEAM-S FACE	6,025.00	LF		\$	
0390	02367		GUARDRAIL END TREATMENT TYPE 1	14.00	EACH		\$	
0400	02369		GUARDRAIL END TREATMENT TYPE 2A	11.00	EACH		\$	
0410	02381		REMOVE GUARDRAIL	1,467.00	LF		\$	
0420	02397		TEMP GUARDRAIL	489.00	LF		\$	
0430	02429		RIGHT-OF-WAY MONUMENT TYPE 1	86.00	EACH		\$	
0440	02430		RIGHT-OF-WAY MONUMENT TYPE 1A	1.00	EACH		\$	
0450	02432		WITNESS POST	22.00	EACH		\$	
0460	02469		CLEAN SINKHOLE	1.00	EACH		\$	
0470	02483		CHANNEL LINING CLASS II	838.20	TON		\$	
0480	02484		CHANNEL LINING CLASS III REVISED: 11-19-13	3,863.60	TON		\$	
0490	02545		CLEARING AND GRUBBING (APPROXIMATELY 59.15 ACRES)	1.00	LS		\$	
0500	02562		TEMPORARY SIGNS	1,076.00	SQFT		\$	
0510	02585		EDGE KEY	191.00	LF		\$	
0520	02596		FABRIC-GEOTEXTILE TYPE I	5,048.00	SQYD		\$	
0530	02599		FABRIC-GEOTEXTILE TYPE IV	173,261.00	SQYD		\$	
0540	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0550	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0560	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0570	02696		SHOULDER RUMBLE STRIPS-SAWED	28,478.00	LF		\$	
0580	02701		TEMP SILT FENCE	9,521.00	LF		\$	
0590	02703		SILT TRAP TYPE A	52.00	EACH		\$	
0600	02704		SILT TRAP TYPE B	52.00	EACH		\$	
0610	02705		SILT TRAP TYPE C	14.00	EACH		\$	
0620	02706		CLEAN SILT TRAP TYPE A	104.00	EACH		\$	
0630	02707		CLEAN SILT TRAP TYPE B	104.00	EACH		\$	
0640	02708		CLEAN SILT TRAP TYPE C	28.00	EACH		\$	
0650	02709		CLEAN TEMP SILT FENCE	19,042.00	LF		\$	
0660	02726		STAKING	1.00	LS		\$	
0670	02731		REMOVE STRUCTURE	1.00	LS		\$	
0680	02775		ARROW PANEL	2.00	EACH		\$	
0690	03171		CONCRETE BARRIER WALL TYPE 9T	279.00	LF		\$	
0700	03225		TUBULAR MARKERS	5.00	EACH		\$	
0710	05950		EROSION CONTROL BLANKET	24,375.00	SQYD		\$	
0720	05952		TEMP MULCH	309,736.00	SQYD		\$	
0730	05953		TEMP SEEDING AND PROTECTION	309,736.00	SQYD		\$	
0740	05966		TOPDRESSING FERTILIZER	14.40	TON		\$	
0750	05985		SEEDING AND PROTECTION	277,325.00	SQYD		\$	
0760	05989		SPECIAL SEEDING CROWN VETCH	37,640.00	SQYD		\$	
0770	06510		PAVE STRIPING-TEMP PAINT-4 IN	9,580.00	LF		\$	
0780	06514		PAVE STRIPING-PERM PAINT-4 IN	79,062.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0790	06542		PAVE STRIPING-THERMO-6 IN W	531.00	LF		\$	
0800	06568		PAVE MARKING-THERMO STOP BAR-24IN	285.00	LF		\$	
0810	06569		PAVE MARKING-THERMO CROSS-HATCH	8,967.00	SQFT		\$	
0820	06572		PAVE MARKING-DOTTED LANE EXTEN	180.00	LF		\$	
0830	06573		PAVE MARKING-THERMO STR ARROW	3.00	EACH		\$	
0840	06574		PAVE MARKING-THERMO CURV ARROW	39.00	EACH		\$	
0850	06575		PAVE MARKING-THERMO COMB ARROW	11.00	EACH		\$	
0860	06576		PAVE MARKING-THERMO ONLY	2.00	EACH		\$	
0870	06578		PAVE MARKING-THERMO MERGE ARROW	4.00	EACH		\$	
0880	08002		STRUCTURE EXCAV-SOLID ROCK (FOR 3-SIDED CULVERT)	4,523.00	CUYD		\$	
0890	08003		FOUNDATION PREPARATION (FOR 3-SIDED CULVERT)	1.00	LS		\$	
0900	20084NN		CUT & CAP	1.00	EACH		\$	
0910	20315ED		CLAY SOIL CAP	29.00	CUYD		\$	
0920	21804EN		3-SIDED CULVERT	212.00	LF		\$	
0930	23131ER701		PIPELINE VIDEO INSPECTION	942.00	LF		\$	
0940	23274EN11F		TURF REINFORCEMENT MAT 1	9,762.00	SQYD		\$	

**Section: 0005 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0950	00440		ENTRANCE PIPE-15 IN	81.00	LF		\$	
0960	00441		ENTRANCE PIPE-18 IN	28.00	LF		\$	
0970	00443		ENTRANCE PIPE-24 IN	43.00	LF		\$	
0980	00461		CULVERT PIPE-15 IN	53.00	LF		\$	
0990	00462		CULVERT PIPE-18 IN	374.00	LF		\$	
1000	00464		CULVERT PIPE-24 IN	307.00	LF		\$	
1010	00466		CULVERT PIPE-30 IN	235.00	LF		\$	
1020	00468		CULVERT PIPE-36 IN	144.00	LF		\$	
1030	00469		CULVERT PIPE-42 IN	89.00	LF		\$	
1040	00471		CULVERT PIPE-54 IN	198.00	LF		\$	
1050	00500		CULVERT PIPE-54 IN EQUIV	39.00	LF		\$	
1060	00522		STORM SEWER PIPE-18 IN	110.00	LF		\$	
1070	00524		STORM SEWER PIPE-24 IN	112.00	LF		\$	
1080	00528		STORM SEWER PIPE-36 IN	114.00	LF		\$	
1090	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
1100	01208		PIPE CULVERT HEADWALL-24 IN	1.00	EACH		\$	
1110	01210		PIPE CULVERT HEADWALL-30 IN	1.00	EACH		\$	
1120	01212		PIPE CULVERT HEADWALL-36 IN	2.00	EACH		\$	
1130	01219		PIPE CULVERT HEADWALL-54 IN EQUIV	1.00	EACH		\$	
1140	01310		REMOVE PIPE	4.00	LF		\$	
1150	01390		METAL END SECTION TY 3-15 IN	4.00	EACH		\$	
1160	01391		METAL END SECTION TY 3-18 IN	8.00	EACH		\$	
1170	01393		METAL END SECTION TY 3-24 IN	6.00	EACH		\$	
1180	01394		METAL END SECTION TY 3-30 IN	5.00	EACH		\$	
1190	01395		METAL END SECTION TY 3-36 IN	4.00	EACH		\$	
1200	01396		METAL END SECTION TY 3-42 IN	2.00	EACH		\$	
1210	01411		METAL END SECTION TY 4-18 IN	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1220	01505		DROP BOX INLET TYPE 5B	1.00	EACH		\$	
1230	01517		DROP BOX INLET TYPE 5F	6.00	EACH		\$	
1240	01518		DROP BOX INLET TYPE 5F MOD	2.00	EACH		\$	
1250	01660		SPRING BOX INLET TYPE A	1.00	EACH		\$	
1260	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	3,739.80	SQYD	\$2.00	\$	\$7,479.60
1270	23048NN		METAL END SECTION TY 3-54 IN EQ	1.00	EACH		\$	
1280	24026EC		PIPE CULVERT HEADWALL-54 IN	2.00	EACH		\$	

**Section: 0006 - STRUCTURES - DRAWING 24616**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1290	08001		STRUCTURE EXCAVATION-COMMON (DRAWING 24616)	105.30	CUYD		\$	
1300	08002		STRUCTURE EXCAV-SOLID ROCK (DRAWING 24616)	144.20	CUYD		\$	
1310	08003		FOUNDATION PREPARATION (DRAWING 24616)	1.00	LS		\$	
1320	08100		CONCRETE-CLASS A (DRAWING 24616)	264.80	CUYD		\$	
1330	08150		STEEL REINFORCEMENT (DRAWING 24616)	35,777.00	LB		\$	

**Section: 0007 - STRUCTURES - DRAWING 24617**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1340	08001		STRUCTURE EXCAVATION-COMMON (DRAWING 24617)	257.40	CUYD		\$	
1350	08002		STRUCTURE EXCAV-SOLID ROCK (DRAWING 24617)	52.90	CUYD		\$	
1360	08003		FOUNDATION PREPARATION (DRAWING 24617)	1.00	LS		\$	
1370	08100		CONCRETE-CLASS A (DRAWING 24617)	218.70	CUYD		\$	
1380	08150		STEEL REINFORCEMENT (DRAWING 24617)	19,046.00	LB		\$	

**Section: 0008 - STRUCTURES - DRAWING 24618**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1390	08001		STRUCTURE EXCAVATION-COMMON (DRAWING 24618)	114.30	CUYD		\$	
1400	08002		STRUCTURE EXCAV-SOLID ROCK (DRAWING 24618)	51.90	CUYD		\$	
1410	08003		FOUNDATION PREPARATION (DRAWING 24618)	1.00	LS		\$	
1420	08100		CONCRETE-CLASS A (DRAWING 24618)	104.20	CUYD		\$	
1430	08150		STEEL REINFORCEMENT (DRAWING 24618)	8,521.00	LB		\$	

**Section: 0009 - SIGNING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1440	06406		SBM ALUM SHEET SIGNS .080 IN	766.00	SQFT		\$	
1450	06407		SBM ALUM SHEET SIGNS .125 IN	155.00	SQFT		\$	
1460	06410		STEEL POST TYPE 1	1,443.00	LF		\$	
1470	06412		STEEL POST MILE MARKERS	4.00	EACH		\$	
1480	06490		CLASS A CONCRETE FOR SIGNS	.46	CUYD		\$	
1490	21596ND		GMSS TYPE D	2.00	EACH		\$	
1500	24631EC		BARCODE SIGN INVENTORY	171.00	EACH		\$	

#### Section: 0010 - SIGNAL

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1510	04792		CONDUIT-1 IN	54.00	LF		\$	
1520	04793		CONDUIT-1 1/4 IN	1,011.00	LF		\$	
1530	04795		CONDUIT-2 IN	1,159.00	LF		\$	
1540	04811		ELECTRICAL JUNCTION BOX TYPE B	18.00	EACH		\$	
1550	04820		TRENCHING AND BACKFILLING	1,845.00	LF		\$	
1560	04830		LOOP WIRE	6,386.00	LF		\$	
1570	04844		CABLE-NO. 14/5C	6,390.00	LF		\$	
1580	04850		CABLE-NO. 14/1 PAIR	11,485.00	LF		\$	
1590	04886		MESSENGER-15400 LB	980.00	LF		\$	
1600	04895		LOOP SAW SLOT AND FILL	2,267.00	LF		\$	
1610	04931		INSTALL CONTROLLER TYPE 170	2.00	EACH		\$	
1620	04932		INSTALL STEEL STRAIN POLE	8.00	EACH		\$	
1630	20093NS835		INSTALL PEDESTRIAN HEAD-LED	16.00	EACH		\$	
1640	20188NS835		INSTALL LED SIGNAL-3 SECTION	20.00	EACH		\$	
1650	20266ES835		INSTALL LED SIGNAL- 4 SECTION	3.00	EACH		\$	
1660	21743NN		INSTALL PEDESTRIAN DETECTOR	16.00	EACH		\$	
1670	23157EN		TRAFFIC SIGNAL POLE BASE	45.00	CUYD		\$	
1680	23222EC		INSTALL SIGNAL PEDESTAL	4.00	EACH		\$	
1690	23235EC		INSTALL PEDESTAL POST	3.00	EACH		\$	
1700	23982EC		INSTALL ANTENNA	2.00	EACH		\$	

#### Section: 0011 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1710	01069		STEEL ENCASMENT PIPE-12 IN	43.00	LF		\$	
1720	01073		STEEL ENCASMENT PIPE-16 IN	161.00	LF		\$	
1730	01081		STEEL ENCASMENT PIPE-24 IN	335.00	LF		\$	
1740	01093		DUCTILE IRON PIPE-6 IN (WATER MAIN)	725.00	LF		\$	
1760	01099		DUCTILE IRON PIPE-12 IN (WATER MAIN)	1,339.00	LF		\$	
1770	01103		DUCTILE IRON PIPE-16 IN (WATER MAIN)	1,732.00	LF		\$	
1780	01111		DUCTILE IRON PIPE-24 IN	1,129.00	LF		\$	
1790	01315		BLOW-OFF ASSEMBLY (2 INCH)	1.00	EACH		\$	
1800	02606		FIRE HYDRANT (TYPE 55, YELLOW)	5.00	EACH		\$	
1810	03431		RELOCATE WATER METER	7.00	EACH		\$	
1820	03433		RELOCATE FIRE HYDRANT (6 INCH)	1.00	EACH		\$	
1830	03466		TIE-IN 6 IN	6.00	EACH		\$	
1840	03472		TIE-IN 12 IN	3.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
1850	03474		TIE-IN 24 IN	2.00	EACH		\$	
1860	03526		GATE VALVE-6 IN	7.00	EACH		\$	
1870	03532		GATE VALVE-12 IN	4.00	EACH		\$	
1880	03536		GATE VALVE-16 IN	3.00	EACH		\$	
1890	03545		BEND 22.50 DEG 6 IN	4.00	EACH		\$	
1900	03548		BEND 22.50 DEG 12 IN	1.00	EACH		\$	
1910	03552		BEND 22.50 DEG 16 IN	1.00	EACH		\$	
1920	03554		BEND 45 DEG 6 IN	9.00	EACH		\$	
1930	03556		BEND 45 DEG 12 IN	9.00	EACH		\$	
1940	03558		BEND 45 DEG 16 IN	4.00	EACH		\$	
1950	20056NN		REDUCER (24 INCH X 16 INCH)	1.00	EACH		\$	
1960	20120EC		SOLID SLEEVE-6 IN	6.00	EACH		\$	
1970	20127EC		SOLID SLEEVE-12 IN	3.00	EACH		\$	
1980	20150EC		TRANSFER SERVICE	1.00	EACH		\$	
1990	20349NC		RELOCATE FIRE SERVICE LINE	1.00	EACH		\$	
2000	20708ND		CUT AND PLUG 12 IN	3.00	EACH		\$	
2010	20821ND		TEE 12 IN X 12 IN	1.00	EACH		\$	
2020	21109ND		RELOCATE SERVICE	7.00	EACH		\$	
2030	21110ND		RENEW SERVICE (WATER METER)	1.00	EACH		\$	
2040	21112ND		DISCONTINUE SERVICE (FIRE HYDRANT - 6 INCH)	4.00	EACH		\$	
2050	21114ND		CUT AND PLUG 6 IN	6.00	EACH		\$	
2060	22191NN		BEND 45 DEG-24 IN	5.00	EACH		\$	
2070	23093ND		PLUG-12 IN	3.00	EACH		\$	
2080	23192EC		DISCONTINUED WATER METER	6.00	EACH		\$	
2090	23194EC		GATE VALVE-24 IN	1.00	EACH		\$	
2100	23202EC		TEE-24 IN X 16 IN	1.00	EACH		\$	
2110	23358EC		TEE-6 IN X 6 IN	1.00	EACH		\$	
2120	23699EC		STEEL ENCASEMENT PIPE-30 IN	144.00	LF		\$	
2130	23700EC		STEEL ENCASEMENT PIPE-42 IN	253.00	LF		\$	
2140	23997EC		TEE-16 X 6 IN	3.00	EACH		\$	
2150	24011EC		BEND 22.5 DEG-24 IN	1.00	EACH		\$	
2160	24065EC		TEE-16X12 IN	1.00	EACH		\$	
2170	24486ED		TEE (24 X 12 INCH)	2.00	EACH		\$	
2180	24600EC		SOLID SLEEVE	2.00	EACH		\$	

**Section: 0012 - MOBILIZATION & DEMOBILIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
2190	02568		MOBILIZATION	1.00	LS		\$	
2200	02569		DEMOBILIZATION	1.00	LS		\$	