



**COMMONWEALTH OF KENTUCKY  
TRANSPORTATION CABINET**  
Frankfort, Kentucky 40622  
[www.transportation.ky.gov/](http://www.transportation.ky.gov/)

**Matthew G. Bevin**  
Governor

**Greg Thomas**  
Secretary

June 14, 2016

CALL NO. 100  
CONTRACT ID NO. 161033  
ADDENDUM # 1

Subject: Magoffin County, TGR 0061 (064)  
Letting June 24, 2016

- (1) Revised - Plan Sheets - R2B, R2T, R2GG, R2HH, R7, R159, & R160
- (2) Revised - Note - Pages 26-41 of 726
- (3) Revised - Special Note - Pages 234-235 of 726
- (4) Deleted - Page 284 of 726
- (5) Added - Note - Pages 293(a)-293(b) of 726
- (6) Revised - Utility Notes - Pages 540-546 of 726
- (7) Added - Notes - Pages 1-65 of 65
- (8) Deleted - Page 547 of 726
- (9) Revised - Bid Items - Pages 714-726 of 726

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 cursive script that reads "Rachel Mills".

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

RM:ks  
Enclosures



An Equal Opportunity Employer M/F/D

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R2B

# TYPICAL SECTIONS

## U.S. 460 MOUNTAIN PARKWAY

### STA. 3948+05 TO STA. 4004+80

#### NEW CONSTRUCTION

APPROXIMATELY 22.75' OF BASE ——— [ 12" CRUSHED STONE BASE  
4" CL 3 ASPH BASE 1.00D PG 64-22  
3.75" CL 3 ASPH BASE 1.00D PG 64-22  
3" CL 3 ASPH BASE 1.00D PG 76-22

APPROXIMATELY 1.25" OF SURFACE ——— [ 1.25" CL 3 ASPH SURF 0.38B PG 76-22

#### PAVEMENT OVERLAY (7)

MILLING AND TEXTURING ——— [ 1.5" MILLING AND TEXTURING

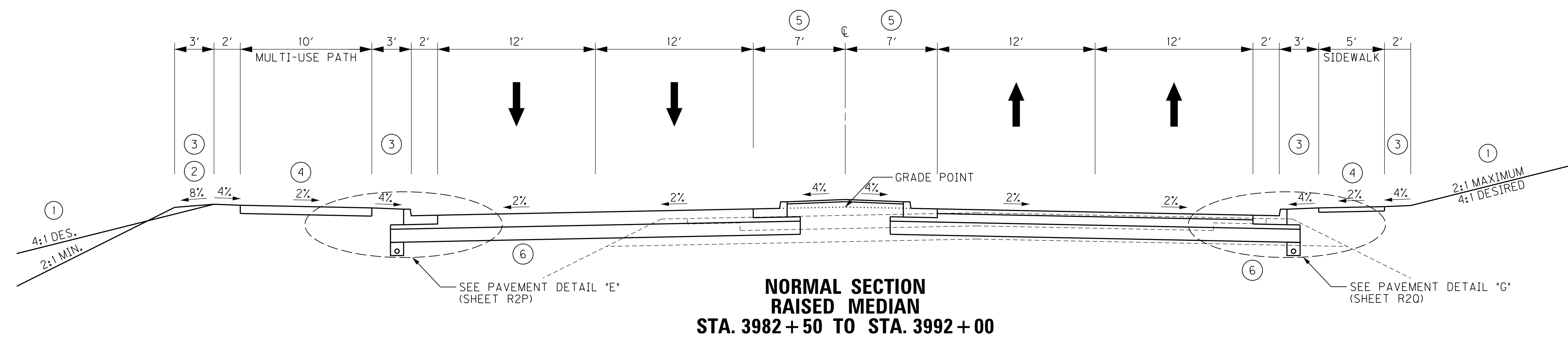
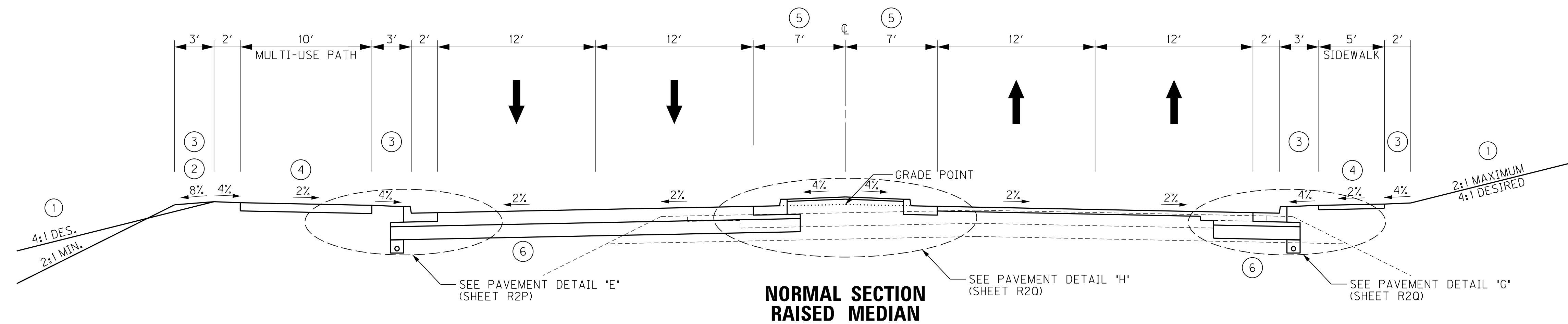
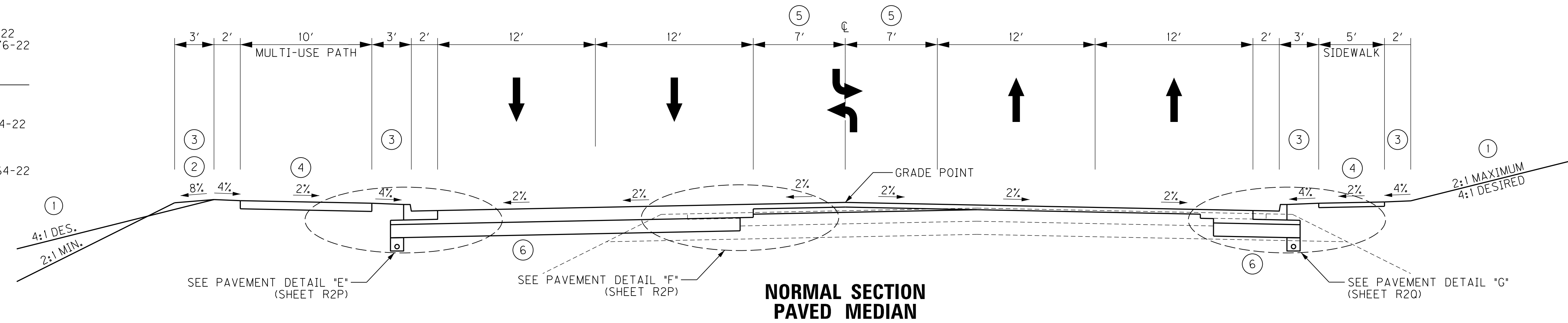
LEVELING AND WEDGING ——— [ LEVELING AND WEDGING PG 64-22

OVERLAY ——— [ 3" CL 3 ASPH BASE 1.00D PG 76-22  
1.25" CL 3 ASPH SURF 0.38B PG 76-22

#### MULTI-USE PATH

APPROXIMATELY 6.25' OF BASE ——— [ 4" CRUSHED STONE BASE  
2.25" CL 2 ASPH BASE 0.75DPG 64-22

APPROXIMATELY 1.25" OF SURFACE ——— [ 1.25" CL 2 ASPH SURF 0.38D PG 64-22



#### GENERAL NOTES

- ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- ② GRADED SHOULDER SHALL BE 5' FROM THE EDGE OF THE PATH PAVEMENT TO THE TOP OF THE SLOPE WHEN SLOPE IS 6° OR HIGHER AT 3:1 OR STEEPER THAN 3:1.
- ③ SOD SHALL BE CONSTRUCTED FROM THE BACK OF ALL CURBS, SIDEWALKS, & MULTI-USE PATHS TO THE BERM OF ALL EMBANKMENT SLOPES, THE BASE OF ALL CUT SLOPES, AND TO THE EDGE OF ALL SURFACE PARKING LOTS. SOD SHALL ALSO BE CONSTRUCTED IN ALL UTILITY STRIPS.
- ④ MULTI-USE PATH AND SIDEWALK END AT STA. 4001+36.50. BERM ONLY WILL BE CONSTRUCTED FROM STA. 4001+36.50 TO STA. 4004+80.
- ⑤ DIMENSION IS 7.25' FROM STA. 3948+05 TO STA. 3949+40
- ⑥ SEE GEOTECHNICAL NOTES FOR SUBGRADE STABILIZATION.
- ⑦ MILLING AND OVERLAY IS REQUIRED TO ACHIEVE FINAL PAVEMENT SLOPES DUE TO CROWN POINT VARYING BETWEEN EXISTING AND PROPOSED

TYPICAL SECTIONS

FILE NAME: J:\11303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY\DMN'S\PRO20BTS - ADDENDUM 1 - REV 6-7-2016.DGN  
 USER: ehackworth  
 DATE PLOTTED: March 30, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R2B

# TYPICAL SECTIONS

## U.S. 460 MOUNTAIN PARKWAY

### STA. 3948+05 TO STA. 4004+80

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APPROXIMATELY 1.25" OF SURFACE ——— [ 1.25" CL 3 ASPH SURF 0.38B PG 76-22

#### PAVEMENT OVERLAY (7)

MILLING AND TEXTURING ——— [ 1.5" MILLING AND TEXTURING

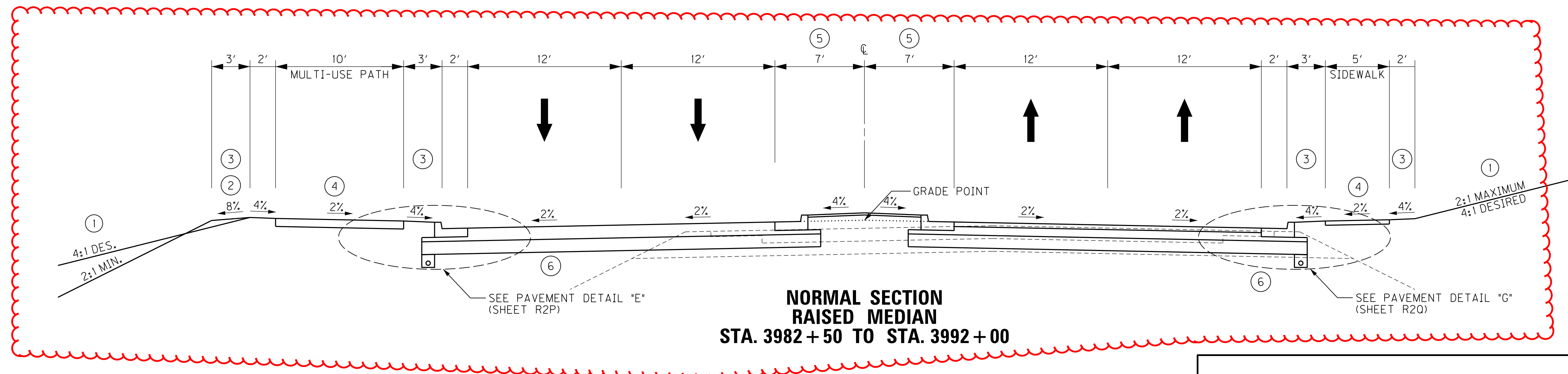
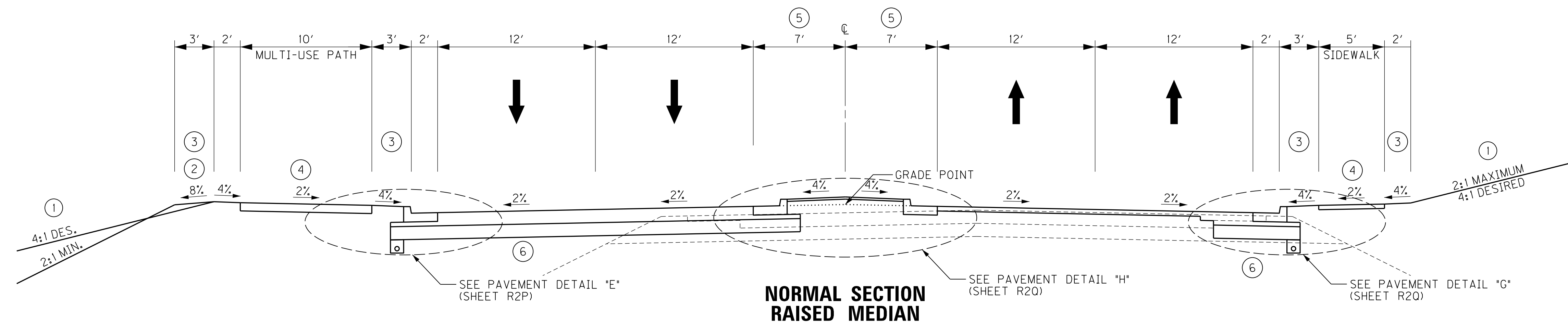
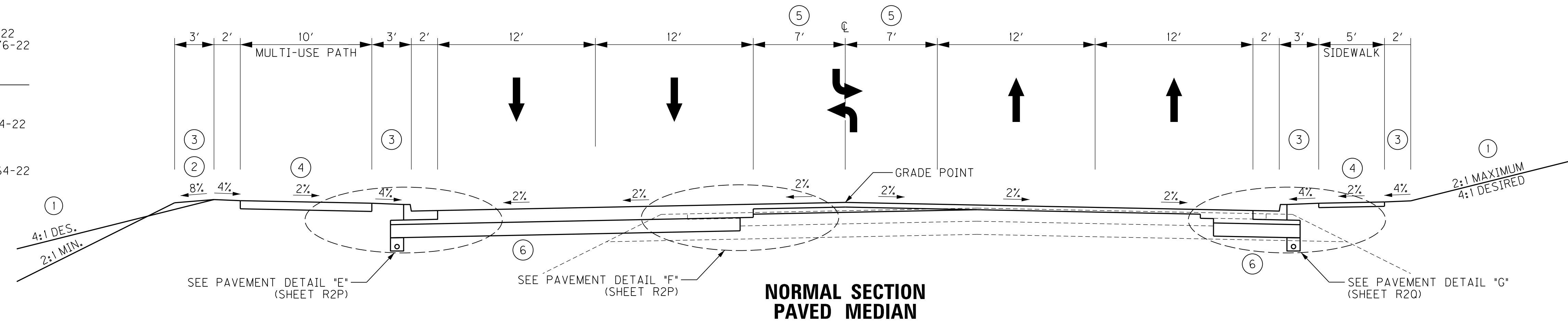
LEVELING AND WEDGING ——— [ LEVELING AND WEDGING PG 64-22

OVERLAY ——— [ 3" CL 3 ASPH BASE 1.00D PG 76-22  
1.25" CL 3 ASPH SURF 0.38B PG 76-22

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2.25" CL 2 ASPH BASE 0.75DPG 64-22

APPROXIMATELY 1.25" OF SURFACE ——— [ 1.25" CL 2 ASPH SURF 0.38D PG 64-22



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- ⑦ MILLING AND OVERLAY IS REQUIRED TO ACHIEVE FINAL PAVEMENT SLOPES DUE TO CROWN POINT VARYING BETWEEN EXISTING AND PROPOSED

**NORMAL SECTION RAISED MEDIAN**  
STA. 3982+50 TO STA. 3992+00

TYPICAL SECTIONS

FILE NAME: J:\11303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY\DM'S\PRO20BTS - ADDENDUM 1 - REV 6-7-2016.DGN  
 USER: ehackworth  
 DATE PLOTTED: March 30, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

## GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
MACOFFIN	10-166.00	R2T

ITEM	DESCRIPTION	UNIT	U.S. 460 MOUNTAIN PARKWAY	U.S. 460 WEST	FRONTAGE ROAD	LICK BRANCH ROAD	BACKAGE ROAD	APPR. 3962 + 70	PINE POINT ROAD	PINE POINT APPR.	BURNING FORK	BURNING FORK FRONTAGE	APPR. 4027 + 00	KY 1415	KY 1888	KY 1888 APPROACHES	U.S. 460 EAST	MOT	TOTAL PROJECT
1015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LS																	1
1065	STEEL ENCASEMENT PIPE-8 IN	LF	380																380
1314	PLUG PIPE	EACH			3														3
1810	STANDARD CURB & GUTTER	LF	27,948	1,113	12,271		4,972	676			296								47,276
1811	STANDARD CURB & GUTTER MOD	LF			346														346
1815	BARRIER CURB & GUTTER	LF					42												42
1825	ISLAND CURB & GUTTER	LF	92.25																92.25
1875	STANDARD HEADER CURB	LF	1,226		1,726														2,952
1956	CONCRETE TERMINAL SECTION TYPE 1	EACH	8																8
1982	DELINEATOR FOR GUARDRAIL M/W	EACH	79																79
1986	DELINEATOR FOR BARRIER WALL B/Y	EACH	29																29
1987	DELINEATOR FOR GUARDRAIL B/W	EACH													21	3			24
1990	DELINEATOR FOR BARRIER WALL B/W	EACH	29		4		7												40
2001	CURB TO BARRIER WALL TRANS	EACH	2				2												4
2002	REMOVE CONCRETE BARRIER WALL	LF	505																505
2003	RELOCATE TEMP CONC BARRIER - 9T	LF																3,465	3,465
2014	BARRICADES TYPE 3	EACH																39	39
2015	CEMENT CONCRETE ISLAND	SOYD		92				33				28							153
2091	REMOVE PAVEMENT	SOYD	539		64		11												614
2159	TEMPORARY DITCH	LF																44	44
2160	CLEAN TEMPORARY DITCH	LF																44	44
24867 EC	CONTAMINATED SOIL REMOVAL	TONS																	3750
2200	ROADWAY EXCAVATION	CUYD																	234,640
2203	STRUCTURE EXCAVATION-UNCLASSIFIED	CUYD	287																287
2223	GRANULAR EMBANKMENT	CUYD																	8,370
2242	WATER (FOR DUST CONTROL)	MGAL	504	38	284	8	114	12	12	10	22	12	8	16	30	22	18		1,110
2262	FENCE-WOVEN WIRE TYPE 1	LF	2,938	100															3,038
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	5,450											125	1,187.5	125			6,887.5
2360	GUARDRAIL TERMINAL SECTION NO. 1	EACH	2												5			2	9
2363	GUARDRAIL CONNECTOR TO BRIDGE END TYPE A	EACH	5																5
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	1																1
2369	GUARDRAIL END TREATMENT TYPE 2A	EACH	4											2		2			8
2381	REMOVE GUARDRAIL	LF	6,875		38										162.5				7,075.5
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH	3												1				4
2397	TEMPORARY GUARDRAIL	LF																	400
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH																	240
2432	WITNESS POST	EACH																	240
2488	CHANNEL LINING CLASS IV	CUYD	5,512	169	316		248	9			123	22		44	190	101			6,734
2545	CLEARING AND GRUBBING	LS																	1
2555	CONCRETE CLASS B - CHANNEL LINING	CUYD	3																3
2555	CONCRETE CLASS B - GRAVITY RETAINING WALL	CUYD			201.5														201.5
2555	CONCRETE CLASS B - FENCE	CUYD	15.28																15.28
2562	TEMPORARY SIGNS	SO. FT																1,450	1,450
2568	MOBILIZATION	LS																	1
2569	DEMOBILIZATION	LS																	1
2585	EDGE KEY	LF	144.5	36		25			16	45	75			20	36	22	60		479.5
2596	FABRIC-GEOTEXTILE TYPE I	SOYD	7,298	258	505		399	15			193	36		69	286	163			9,222
2599	FABRIC-GEOTEXTILE TYPE IV	SOYD	73,600																73,600
2600	FABRIC-GEOTEXTILE TYPE IV FOR PIPE	SOYD																	64,399
2650	MAINTAIN AND CONTROL TRAFFIC	LS																	1

- NOTES:**
- ① FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY (200 MGAL/MILE)
  - ② APPROXIMATELY 132 ACRES
  - ③ ESTIMATED AT 300 LB PER ACRE AND CONTAINS A MINIMUM OF 100 LBS OF NITROGEN, 100 LBS OF PHOSPHATE, AND 100 LBS OF POTASH PER ACRE
  - ④ ESTIMATED AT 11.5 LBS PER 1000 SQUARE FEET
  - ⑤ ESTIMATED AT 3 TON PER ACRE
  - ⑥ FOR GRAVITY RETAINING WALLS STA. 261+55 TO STA. 263+71 & STA. 265+75 TO STA. 267+06

EARTHWORK VOLUMES	
63,700 CU YD	ROCK EXC. ⑧
120,868 CU YD	COMMON ⑧
20,188 CU YD	EMB. BENCH ⑨
4,518 CU YD	SURF. DT. LT.
13,869 CU YD	SURF. DT. RT.
10,071 CU YD	REFILL ⑨
1,426 CU YD	DRAINAGE EXC. ⑩
234,640 CU YD	TOTAL EXC.
152,725 CU YD	EMBANKMENT ⑨
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8,370 CU YD	GRAN. EMB. ⑨
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191,354 CU YD	TOTAL EMB.
FOR BIDDING	
234,640 CU YD	ROADWAY EXC. TOTAL

- ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTORS RESPONSIBILITY.
- ⑧ INCLUDES 2,798 CU YD FOR TRANSVERSE BENCHING
  - ⑨ SEE GEOTECHNICAL NOTES
  - ⑩ 1,426 CU YD OF ROADWAY EXCAVATION CARRIED OVER FROM PIPE DRAINAGE SUMMARY
  - ⑪ 73,600 SQ YD CARRIED OVER FROM PAVING SUMMARY
  - ⑫ QUANTITIES ARE APPROXIMATE. SEE PROPOSAL FOR CONTAMINATED SOIL REMOVAL SPECIFICATIONS

FILE NAME: J:\11303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY.DGN'S\PRO020T5U - REVISED 5-4-16.DGN  
 USER: ehackworth  
 DATE PLOTTED: May 5, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

# GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
MACOFFIN	10-166.00	R2T

ITEM	DESCRIPTION	UNIT	U.S. 460 MOUNTAIN PARKWAY	U.S. 460 WEST	FRONTAGE ROAD	LICK BRANCH ROAD	BACKAGE ROAD	APPR. 3962 + 70	PINE POINT ROAD	PINE POINT APPR.	BURNING FORK	BURNING FORK FRONTAGE	APPR. 4027 + 00	KY 1415	KY 1888	KY 1888 APPROACHES	U.S. 460 EAST	MOT	TOTAL PROJECT
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 USER: ehackworth  
 DATE PLOTTED: May 5, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

## PAVING AREAS

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R2GG

ITEM	MOUNTAIN PARKWAY	U.S. 460 WEST	FRONTAGE ROAD	LICK BRANCH ROAD	BACKAGE ROAD	APPR. 3962+70 RIGHT INOUT	PINE POINT ROAD	PINE POINT APPROACH ROAD	BURNING FORK CONNECTOR	BURNING FORK FRONTAGE ROAD	APPR. 4027+00 RIGHT INOUT	KY 1415	KY 1888	KY 1888 APPROACH ROADS	U.S. 460 EAST	ENTRANCES	MULTI-USE PATH	SURFACE LOTS	MOT	DIVERSION 1	DIVERSION 2	DIVERSION 3	DIVERSION 4	TOTAL	
	S O U A R E Y A R D S																								
<u>U.S. 460 MT. PARKWAY</u>																									
1.25" CL 3 ASPH. SURF. 0.38B PG 76-22	83,232																								83,232
2" CL 2 ASPH SURF. 0.38D PG 64-22	8,139																								8,139
3" CL 3 ASPH. BASE 1.00D PG 76-22	78,216																								78,216
3.75" CL 3 ASPH. BASE 1.00D PG 64-22	46,420																								46,420
4" CL 3 ASPH. BASE 1.00D PG 64-22	51,059																								51,059
4" CRUSHED STONE BASE	8,139																								8,139
12" CRUSHED STONE BASE	51,059																								51,059
LEVELING & WEDGING PG 64-22 (2)	7,245																								7,245
LEVELING & WEDGING PG 76-22 (2)	525																								525
1.5" ASPHALT PAVE. MILLING AND TEXTURING	47,900																								47,900
<u>U.S. 460 MT. PARKWAY - SHOULDERS &amp; TEMPORARY PAVEMENT</u>																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22	14,951																								14,951
3" CL 2 ASPH. BASE 1.00D PG 64-22	13,840																		9,531	1,682	1,892	2,897	3,601		33,443
3.5" CL 2 ASPH. BASE 1.00D PG 64-22																			1,363						1,363
3.75" CL 2 ASPH. BASE 1.00D PG 64-22	13,840																		9,531	1,682	1,892	2,897	3,601		33,443
4" CRUSHED STONE BASE																			10,894	1,682	1,892	2,897	3,601		20,966
16" CRUSHED STONE BASE	14,341																								14,341
CRUSHED STONE WEDGE (1)	398																								398
<u>FRONTAGE &amp; BACKAGE ROADS</u>																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22			19,120		7,742																				26,862
3" CL 2 ASPH. BASE 1.00D PG 64-22			19,127		7,742																				26,869
3.75" CL 2 ASPH. BASE 1.00D PG 64-22			19,143		7,742																				26,885
8" CRUSHED STONE BASE			24,706		10,048																				34,754
<u>APPROACH ROADS</u>																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22	4,517		348			911	751	559	2,039	697	512	1,038	2,837	1,199											15,408
3" CL 2 ASPH. BASE 1.00D PG 64-22	2,657		348			911	758	565	2,049	704	517	1,047	2,855	1,210											13,621
3.75" CL 2 ASPH. BASE 1.00D PG 64-22	2,657		348			911	774	580	2,071	720	527	1,069	2,899	1,239											13,795
8" CRUSHED STONE BASE	3,000		406			1,140	794	597	2,200	740	540	1,095	2,954	1,274											14,740
1.25" ASPHALT PAVE. MILLING AND TEXTURING	1,860																								1,860
LEVELING & WEDGING PG 64-22 (2)	35												40												75
<u>APPROACH ROADS - SHOULDERS</u>																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22										128	83	173	1,057												1,441
3" CL 2 ASPH. BASE 1.00D PG 64-22										128	83	173	1,057												1,441
3.75" CL 2 ASPH. BASE 1.00D PG 64-22										128	83	173	1,057												1,441
8" CRUSHED STONE BASE										128	83	173	1,057												1,441
<u>U.S. 460 EAST</u>																									
1.25" CL 3 ASPH. SURF. 0.38D PG 76-22															1,507										1,507
<u>U.S. 460 EAST - SHOULDERS</u>																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22															388										388
3" CL 2 ASPH. BASE 1.00D PG 64-22															126										126
3.75" CL 2 ASPH. BASE 1.00D PG 64-22															126										126
16" CRUSHED STONE BASE															126										126
LEVELING & WEDGING PG 64-22 (2)															120										120
1.5" ASPHALT PAVE. MILLING AND TEXTURING															950										950
<u>ENTRANCES, MULTI-USE PATH, &amp; SURFACE LOTS</u>																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22																10,254	11,611	4,735							26,600
2.25" CL 2 ASPH. BASE 0.75D PG 64-22																10,254	11,611	4,735							26,600
4" CRUSHED STONE BASE																11,420	11,611	4,921							27,952
CEM. CONC. ENTRANCE PAVEMENT 8 IN.																910		186							1,096

(1) MEASURED IN CU. YDS.  
 (2) MEASURED IN TONS

PAVING AREAS

FILE NAME: J:\1303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY\DDN\S\PRO02GGSU - ADDENDUM 1 - REV 6-7-2016.DGN  
 USER: ehackworth  
 DATE PLOTTED: June 7, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

## PAVING AREAS

ITEM	MOUNTAIN PARKWAY	U.S. 460 WEST	FRONTAGE ROAD	LICK BRANCH ROAD	BACKAGE ROAD	APPR. 3962+70 RIGHT IN/OUT	PINE POINT ROAD	PINE POINT APPROACH ROAD	BURNING FORK CONNECTOR	BURNING FORK FRONTAGE ROAD	APPR. 4027+00 RIGHT IN/OUT	KY 1415	KY 1888	KY 1888 APPROACH ROADS	U.S. 460 EAST	ENTRANCES	MULTI-USE PATH	SURFACE LOTS	MOT	DIVERSION 1	DIVERSION 2	DIVERSION 3	DIVERSION 4	TOTAL	
	S	Q	U	A	R	E	Y	A	R	D	S														
U.S. 460 MT. PARKWAY																									
1.25" CL 3 ASPH. SURF. 0.38B PG 76-22	83,232																								83,232
2" CL 2 ASPH SURF. 0.38D PG 64-22	8,139																								8,139
3" CL 3 ASPH. BASE 1.00D PG 76-22	78,216																								78,216
3.75" CL 3 ASPH. BASE 1.00D PG 64-22	46,420																								46,420
4" CL 3 ASPH. BASE 1.00D PG 64-22	51,059																								51,059
4" CRUSHED STONE BASE	8,139																								8,139
12" CRUSHED STONE BASE	51,059																								51,059
LEVELING & WEDGING PG 64-22 (2)	7,245																								7,245
LEVELING & WEDGING PG 76-22 (2)	525																								525
1.5" ASPHALT PAVE. MILLING AND TEXTURING	47,900																								47,900
U.S. 460 MT. PARKWAY - SHOULDERS & TEMPORARY PAVEMENT																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22	14,951																								14,951
3" CL 2 ASPH. BASE 1.00D PG 64-22	13,840																		9,531	1,682	1,892	2,897	3,601		33,443
3.5" CL 2 ASPH. BASE 1.00D PG 64-22																			1,363						1,363
3.75" CL 2 ASPH. BASE 1.00D PG 64-22	13,840																		9,531	1,682	1,892	2,897	3,601		33,443
4" CRUSHED STONE BASE																			10,894	1,682	1,892	2,897	3,601		20,966
16" CRUSHED STONE BASE	14,341																								14,341
CRUSHED STONE WEDGE (1)	398																								398
FRONTAGE & BACKAGE ROADS																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22			19,120		7,742																				26,862
3" CL 2 ASPH. BASE 1.00D PG 64-22			19,127		7,742																				26,869
3.75" CL 2 ASPH. BASE 1.00D PG 64-22			19,143		7,742																				26,885
8" CRUSHED STONE BASE			24,706		10,048																				34,754
APPROACH ROADS																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22	4,517		348			911	751	559	2,039	697	512	1,038	2,837	1,199											15,408
3" CL 2 ASPH. BASE 1.00D PG 64-22	2,657		348			911	758	565	2,049	704	517	1,047	2,855	1,210											13,621
3.75" CL 2 ASPH. BASE 1.00D PG 64-22	2,657		348			911	774	580	2,071	720	527	1,069	2,899	1,239											13,795
8" CRUSHED STONE BASE	3,000		406			1,140	794	597	2,200	740	540	1,095	2,954	1,274											14,740
1.25" ASPHALT PAVE. MILLING AND TEXTURING	1,860																								1,860
LEVELING & WEDGING PG 64-22 (2)	35												40												75
APPROACH ROADS - SHOULDERS																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22										128	83	173	1,057												1,441
3" CL 2 ASPH. BASE 1.00D PG 64-22										128	83	173	1,057												1,441
3.75" CL 2 ASPH. BASE 1.00D PG 64-22										128	83	173	1,057												1,441
8" CRUSHED STONE BASE										128	83	173	1,057												1,441
U.S. 460 EAST																									
1.25" CL 3 ASPH. SURF. 0.38D PG 76-22															1,507										1,507
U.S. 460 EAST - SHOULDERS																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22															388										388
3" CL 2 ASPH. BASE 1.00D PG 64-22															126										126
3.75" CL 2 ASPH. BASE 1.00D PG 64-22															126										126
16" CRUSHED STONE BASE															126										126
LEVELING & WEDGING PG 64-22 (2)															120										120
1.5" ASPHALT PAVE. MILLING AND TEXTURING															950										950
ENTRANCES, MULTI-USE PATH, & SURFACE LOTS																									
1.25" CL 2 ASPH. SURF. 0.38D PG 64-22																10,254	11,611	4,735							26,600
2.25" CL 2 ASPH. BASE 0.75D PG 64-22																10,254	11,611	4,735							26,600
4" CRUSHED STONE BASE																11,420	11,611	4,921							27,952
CEM. CONC. ENTRANCE PAVEMENT 8 IN.																910		186							1,096

FILE NAME: J:\11303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY\DDN\S\PRO02GGSU - ADDENDUM 1 - REV 6-7-2016.DWG  
 USER: ehackworth  
 DATE PLOTTED: June 7, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

(1) MEASURED IN CU. YDS.  
 (2) MEASURED IN TONS

### PAVING AREAS

**PAVING SUMMARY**

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R2HH

ITEM	DESCRIPTION	UNIT	U.S. 460 MOUNTAIN PARKWAY	FRONTAGE & BACKAGE ROAD.	APPROACHES	ENTRANCES, MULTI-USE PATH & SURFACE LOTS	MOT	DIVERSION 1	DIVERSION 2											TOTAL PROJECT
3	CRUSHED STONE BASE	① TON	51,176	15,987	7,560	6,118	2,505	387	435											84,168
5	GEOGRID REINFORCEMENT FOR SUBGRADE	SQYD	73,600																	73,600
100	ASPHALT SEAL AGGREGATE	⑤ TON	6																	6
103	ASPHALT SEAL COAT	⑤ TON	2																	2
190	LEVELING & WEDGING PG 64-22	TON	7,320				77													7,397
194	LEVELING & WEDGING PG 76-22	TON	525																	525
212	CL 2 ASPH. BASE 1.00D PG 64-22	TON	5,138	9,981	5,674		3,801	625	702											25,921
214	CL 3 ASPH. BASE 1.00D PG 64-22	TON	20,807																	20,807
216	CL 3 ASPH. BASE 1.00D PG 76-22	TON	13,186																	13,186
221	CL 2 ASPH. BASE 0.75D PG 64-22	TON				3,292	300	⑦												3,592
301	CL 2 ASPH. SURF. 0.38D PG 64-22	TON	1,922	1,848	1,291	1,829														6,890
387	CL 3 ASPH. SURF. 0.38B PG 76-22	TON	5,723		104															5,827
2084	JPC PAVEMENT - 8 IN	SQYD	142																	142
2101	CEM. CONC. ENTRANCE PAVEMENT 8 IN.	SQYD				1,096														1,096
2599	FABRIC-GEOTEXTILE TYPE IV	⑥ SQYD	73,600																	73,600
2676	MOBILIZATION FOR MILLING & TEXTURING	LS																		1
2677	ASPHALT PAVE. MILLING & TEXTURING	TON	3,955	128																4,083
2007IEC	JOINT ADHESIVE	LF	71,500																	71,500

**NOTES:**  
 ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS PER SQ YD PER INCH OF DEPTH, UNLESS NOTED OTHERWISE

① ESTIMATED AT 115 LBS PER SQ YD PER INCH OF DEPTH

② ESTIMATED AT 100 LBS PER SQ YD PER INCH OF DEPTH

③ ESTIMATED AT 95 LBS PER SQ YD PER INCH OF DEPTH

④ ADDED 500 TONS OF CRUSHED STONE BASE TO BE USED FOR MAINTENANCE OF TRAFFIC INCLUDING BUT NOT LIMITED TO: RUNAROUNDS, DROP OFF WEDGING, TEMPORARY ENTRANCES, AND CROSSOVERS

⑤ 2 APPLICATIONS:  
 ASPHALT SEAL COAT  
 2.4 LB/SQ YD  
 ASPHALT SEAL AGGREGATE  
 20 LB/SQ YD

⑥ CARRIED OVER TO GENERAL SUMMARY

⑦ FOR ENTRANCE MAINTENANCE AS DIRECTED BY THE ENGINEER

PAVING SUMMARY

FILE NAME: J:\11303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY.DGN'S\ROADWAY.DGN - REV 6-7-2016.DGN  
 USER: ehackworth  
 DATE PLOTTED: June 7, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357



# PAVING SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R2HH

ITEM	DESCRIPTION	UNIT	U.S. 460 MOUNTAIN PARKWAY	FRONTAGE & BACKAGE ROAD.	APPROACHES	ENTRANCES, MULTI-USE PATH & SURFACE LOTS	MOT	DIVERSION 1	DIVERSION 2									TOTAL PROJECT
3	CRUSHED STONE BASE	① TON	51,176	15,987	7,560	6,118	2,505	387	435									84,168
5	GEOGRID REINFORCEMENT FOR SUBGRADE	SQYD	73,600															73,600
100	ASPHALT SEAL AGGREGATE	⑤ TON	6															6
103	ASPHALT SEAL COAT	⑤ TON	2															2
190	LEVELING & WEDGING PG 64-22	TON	7,320				77											7,397
194	LEVELING & WEDGING PG 76-22	TON	525															525
212	CL 2 ASPH. BASE 1.00D PG 64-22	TON	5,138	9,981	5,674		3,801	625	702									25,921
214	CL 3 ASPH. BASE 1.00D PG 64-22	TON	20,807															20,807
216	CL 3 ASPH. BASE 1.00D PG 76-22	TON	13,186															13,186
221	CL 2 ASPH. BASE 0.75D PG 64-22	TON				3,292	300	⑦										3,592
301	CL 2 ASPH. SURF. 0.38D PG 64-22	TON	1,922	1,848	1,291	1,829												6,890
387	CL 3 ASPH. SURF. 0.38B PG 76-22	TON	5,723		104													5,827
2084	JPC PAVEMENT - 8 IN	SQYD	142															142
2101	CEM. CONC. ENTRANCE PAVEMENT 8 IN.	SQYD				1,096												1,096
2599	FABRIC-GEOTEXTILE TYPE IV	⑥ SQYD	73,600															73,600
2676	MOBILIZATION FOR MILLING & TEXTURING	LS																1
2677	ASPHALT PAVE. MILLING & TEXTURING	TON	3,955	128														4,083
2007IEC	JOINT ADHESIVE	LF	71,500															71,500

- NOTES:**
- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS PER SQ YD PER INCH OF DEPTH, UNLESS NOTED OTHERWISE
- ① ESTIMATED AT 115 LBS PER SQ YD PER INCH OF DEPTH
  - ② ESTIMATED AT 100 LBS PER SQ YD PER INCH OF DEPTH
  - ③ ESTIMATED AT 95 LBS PER SQ YD PER INCH OF DEPTH
  - ④ ADDED 500 TONS OF CRUSHED STONE BASE TO BE USED FOR MAINTENANCE OF TRAFFIC INCLUDING BUT NOT LIMITED TO: RUNAROUNDS, DROP OFF WEDGING, TEMPORARY ENTRANCES, AND CROSSOVERS
  - ⑤ 2 APPLICATIONS:  
ASPHALT SEAL COAT  
2.4 LB/SQ YD  
ASPHALT SEAL AGGREGATE  
20 LB/SQ YD
  - ⑥ CARRIED OVER TO GENERAL SUMMARY
  - ⑦ FOR ENTRANCE MAINTENANCE AS DIRECTED BY THE ENGINEER

MicroStation v8.11.9.357  
 E-SHEET NAME:  
 USER: ehackworth  
 DATE PLOTTED: June 7, 2016  
 FILE NAME: J:\11303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY\DDN\S\PRO2HHSU - ADDENDUM 1 - REV 6-7-2016.DGN

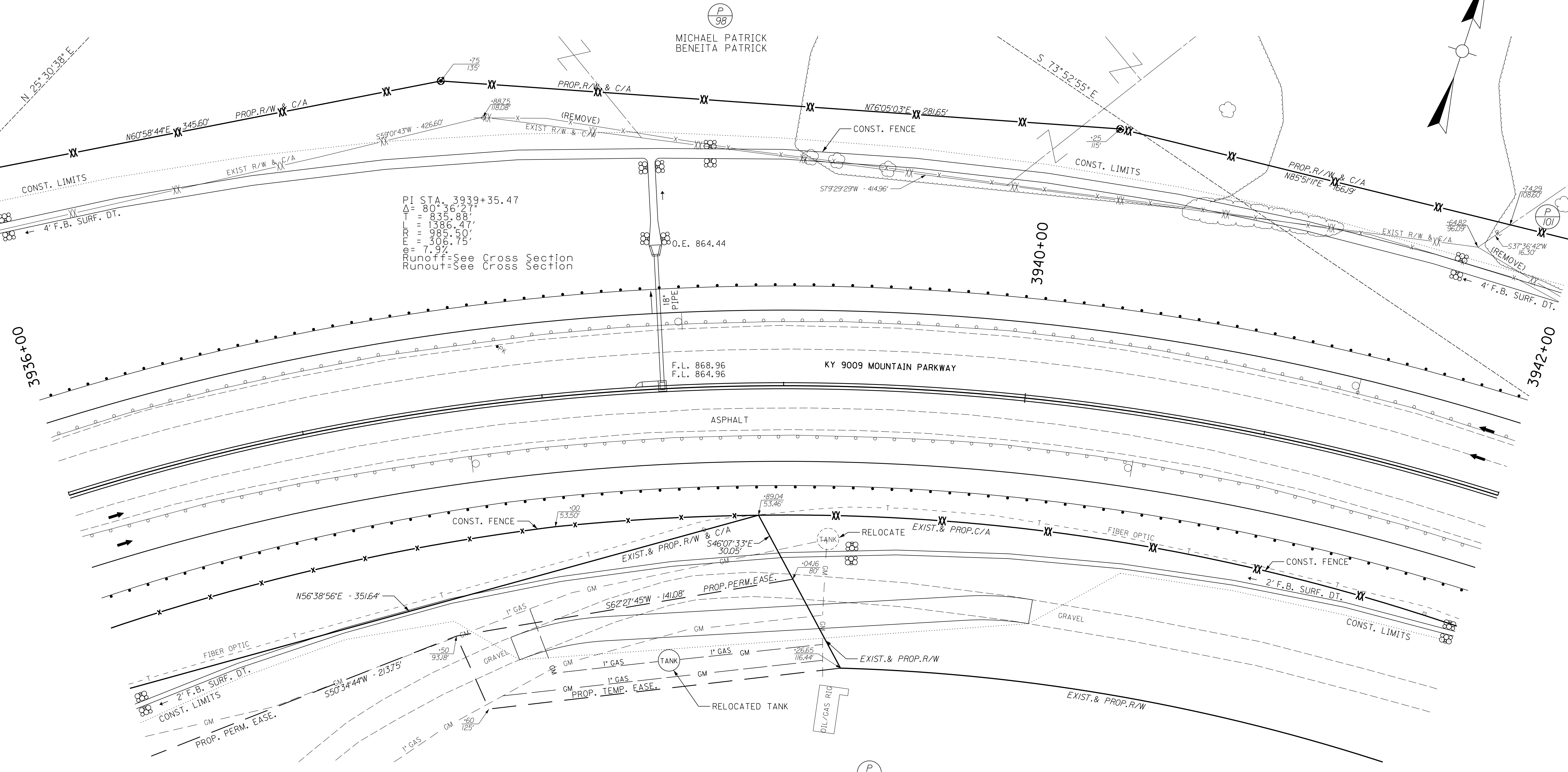
FILE NAME: J:\1303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY\DN'S\PROTODPL - ADDENDUM 1 - REV 6-9-2016.DGN  
 USER: ehackworth  
 DATE PLOTTED: June 9, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

GUARDRAIL CONSTRUCTION LEFT OF C				
STA. TO STA.	STEEL "W" BEAM (LF)		END TREATMENT (EA)	
	SINGLE FACE	---	4A	---
3936+00 - 3942+00	625	---	---	---

DITCH CONSTRUCTION LEFT OF C						
STA. TO STA.	DESCRIPTION	CHANNEL LINING				
		TYPE	DEPTH	QUANTITY	GEO. TY. 1	
3936+00 - 3942+00	4' F.B. SURF.	CLASS IV	2'	479 CY	719 SY	
3938+50	2' F.B. OUTLET	CLASS IV	2'	22 CY	36 SY	

LT. STA. 3936+00 TO STA. 3942+00  
 REMOVE 616 LF OF STEEL W BEAM  
 GUARDRAIL - SINGLE FACE  
 LT. STA. 3936+00 TO STA. 3942+00  
 CONST. 676 LF OF WOVEN WIRE FENCE TY. 1  
 AND 1.33 CY OF CONCRETE CLASS B

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R7



PI STA. 3939+35.47  
 $\Delta = 80^{\circ}36'27''$   
 $T = 835.88'$   
 $L = 1386.47'$   
 $M = 986.50'$   
 $PI = 306.75'$   
 $PI = 7.95'$   
 Runoff=See Cross Section  
 Runout=See Cross Section

RT. STA. 3937+67 TO STA. 3939+18  
 RELOCATE 1 - TANK AND  
 RELOCATE 1-INCH GAS LINES  
 (APPROX. 265 LF OF 1-INCH GAS LINE)

JAYNE FARMS, INC

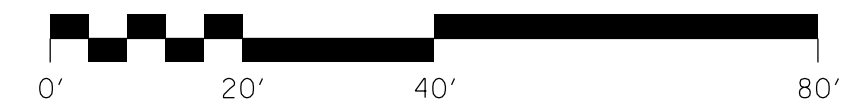
RT. STA. 3937+75 TO STA. 3940+12  
 CONST. 239 SY OF CRUSHED STONE BASE

RT. STA. 3936+00 TO STA. 3942+00  
 CONST. 567 LF OF WOVEN WIRE FENCE TY. 1  
 AND 1.33 CY OF CONCRETE CLASS B  
 RT. STA. 3936+00 TO STA. 3942+00  
 REMOVE 588 LF STEEL W BEAM  
 GUARDRAIL - SINGLE FACE

GUARDRAIL CONSTRUCTION RIGHT OF C				
STA. TO STA.	STEEL "W" BEAM (LF)		END TREATMENT (EA)	
	SINGLE FACE	---	4A	---
3936+00 - 3942+00	575	---	---	---

DITCH CONSTRUCTION RIGHT OF C						
STA. TO STA.	DESCRIPTION	CHANNEL LINING				
		TYPE	DEPTH	QUANTITY	GEO. TY. 1	
3936+00 - 3942+00	2' F.B. SURF.	CLASS IV	2'	487 CY	730 SY	

CONST. SINGLE SLOPE MEDIAN BARRIER TY. 14E	
STATION TO STATION	LF
3936+00 - 3942+00	600



KY 9009 MOUNTAIN PARKWAY  
 STA. 3936+00 TO STA. 3942+00  
 SCALE: 1"=20'

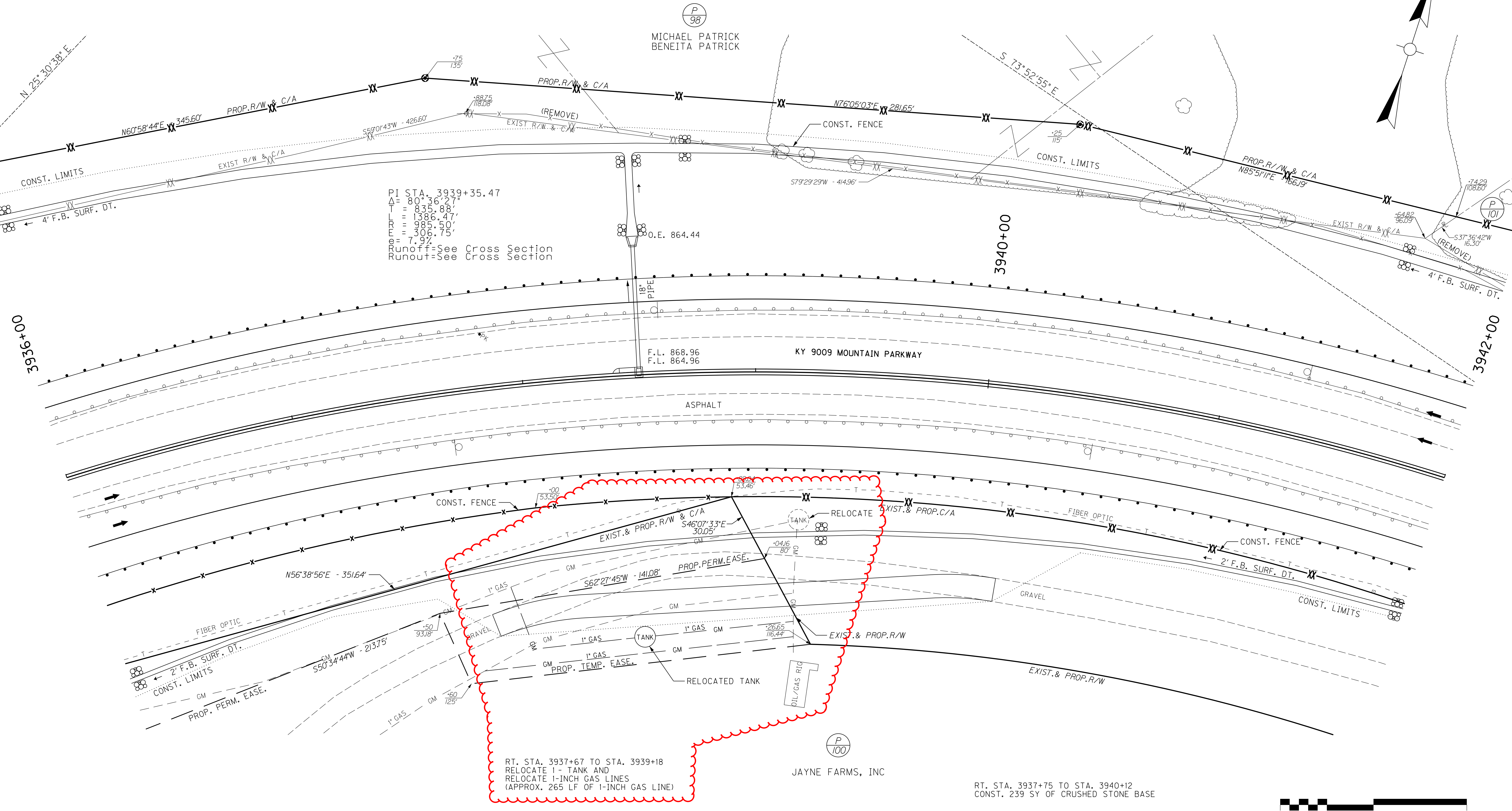
FILE NAME: J:\1303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY\DN'S\PROTODPL - ADDENDUM 1 - REV 6-9-2016.DGN  
 USER: ehackworth  
 DATE PLOTTED: June 9, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

GUARDRAIL CONSTRUCTION LEFT OF C				
STA. TO STA.	STEEL "W" BEAM (LF)		END TREATMENT (EA)	
	SINGLE FACE	---	4A	---
3936+00 - 3942+00	625	---	---	---

DITCH CONSTRUCTION LEFT OF C						
STA. TO STA.	DESCRIPTION	CHANNEL LINING				
		TYPE	DEPTH	QUANTITY	GEO. TY. 1	
3936+00 - 3942+00	4' F.B. SURF.	CLASS IV	2'	479 CY	719 SY	
3938+50	2' F.B. OUTLET	CLASS IV	2'	22 CY	36 SY	

LT. STA. 3936+00 TO STA. 3942+00  
 REMOVE 616 LF OF STEEL W BEAM  
 GUARDRAIL - SINGLE FACE  
 LT. STA. 3936+00 TO STA. 3942+00  
 CONST. 676 LF OF WOVEN WIRE FENCE TY. 1  
 AND 1.33 CY OF CONCRETE CLASS B

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R7



PI STA. 3939+35.47  
 $\Delta = 80^{\circ}36'27''$   
 $T = 835.88'$   
 $L = 1386.47'$   
 $M = 986.50'$   
 $MD = 306.75'$   
 $ME = 7.95'$   
 Runoff=See Cross Section  
 Runout=See Cross Section

RT. STA. 3937+67 TO STA. 3939+18  
 RELOCATE 1" TANK AND  
 RELOCATE 1-INCH GAS LINES  
 (APPROX. 265 LF OF 1-INCH GAS LINE)

GUARDRAIL CONSTRUCTION RIGHT OF C				
STA. TO STA.	STEEL "W" BEAM (LF)		END TREATMENT (EA)	
	SINGLE FACE	---	4A	---
3936+00 - 3942+00	575	---	---	---

DITCH CONSTRUCTION RIGHT OF C						
STA. TO STA.	DESCRIPTION	CHANNEL LINING				
		TYPE	DEPTH	QUANTITY	GEO. TY. 1	
3936+00 - 3942+00	2' F.B. SURF.	CLASS IV	2'	487 CY	730 SY	

CONST. SINGLE SLOPE MEDIAN BARRIER TY. 14E	
STATION TO STATION	LF
3936+00 - 3942+00	600

RT. STA. 3937+75 TO STA. 3940+12  
 CONST. 239 SY OF CRUSHED STONE BASE  
 RT. STA. 3936+00 TO STA. 3942+00  
 CONST. 567 LF OF WOVEN WIRE FENCE TY. 1  
 AND 1.33 CY OF CONCRETE CLASS B  
 RT. STA. 3936+00 TO STA. 3942+00  
 REMOVE 588 LF STEEL W BEAM  
 GUARDRAIL - SINGLE FACE



KY 9009 MOUNTAIN PARKWAY  
 STA. 3936+00 TO STA. 3942+00  
 SCALE: 1"=20'

# MAINTENANCE OF TRAFFIC SPECIAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
MACOFFIN	10-166.00	R159

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.

2. THE CONTRACTOR SHALL MAINTAIN A TWO LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 11 FEET AND A MINIMUM PAVED SHOULDER WIDTH OF 2 FEET, UNLESS OTHERWISE NOTED. FROM THE US 460 WEST INTERSECTION TO THE US 460 EAST INTERSECTION, THE CONTRACTOR SHALL MAINTAIN 3 LANES (MINIMUM WIDTH OF 11 FEET AND A MINIMUM PAVED SHOULDER WIDTH OF 2 FEET) UNTIL FRONTAGE AND BACKAGE ROADS ARE CONSTRUCTED AND OPEN TO TRAFFIC. ONCE FRONTAGE AND BACKAGE ROADS ARE OPEN TO TRAFFIC, THEN CONTRACTOR CAN MAINTAIN 2 LANES (MINIMUM WIDTH OF 11 FEET AND A MINIMUM PAVED SHOULDER WIDTH OF 2 FEET) EXCEPT AT THE INTERSECTIONS WHERE LEFT TURN LANES WILL BE REQUIRED. IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL BY THE INITIAL SIGNERS OF THE TMP.

ACCESS SHALL BE MAINTAINED TO ALL ENTRANCES DURING CONSTRUCTION OF THE PROJECT. ACCESS SHALL BE DEFINED AT A MINIMUM AS AN ENTRANCE WITH 4 INCHES OF CRUSHED STONE BASE OVER A WIDTH EQUAL TO THAT OF THE EXISTING ENTRANCES. ACCESS TO FIRE HYDRANTS MUST ALSO BE MAINTAINED AT ALL TIMES. ENTRANCES SHALL BE A MINIMUM OF 12' FOR SINGLE DIRECTION COMMERCIAL ENTRANCE, 24' FOR A BI-DIRECTIONAL ENTRANCE OR 12' FOR A RESIDENTIAL ENTRANCE. IN CASES WHERE EXISTING PROPERTIES HAVE TWO ENTRANCES, THEN ACCESS MUST BE PROVIDED TO ACCOMMODATE EXISTING OPERATIONS (I.E. DRIVE-THROUGH).

PRIOR TO THE CONTRACTOR PERFORMING ANY CONSTRUCTION PHASE, HE MUST APPLY IN WRITING TO THE ENGINEER FOR APPROVAL OF THE TIME SELCTED. THE CONTRACTOR SHALL BE CHARGED DISINCENTIVES FOR FAILING TO RE-OPEN TRAFFIC TO THREE LANES OF TRAVEL BY THE SPECIFIED TIME. THE FOLLOWING DISCENTIVES WILL APPLY:

**A. ROAD CLOSURES ON MOUNTAIN PARKWAY & U. S. 460**

WHEN SETTING BEAMS, REMOVING AND SETTING OVERHEAD SIGN SUPPORTS, CHANGING FROM ONE TRAFFIC PATTERN TO ANOTHER OR OTHER ACTIVITIES APPROVED BY THE ENGINEER, TRAFFIC MAY BE HALTED. PRIOR APPROVAL BY THE ENGINEER WILL BE REQUIRED FOR ALL ROAD CLOSURES. IT IS THE INTENT THAT ALL ROAD CLOSURES BE KEPT TO A MINIMUM TIME. THE CONTRACTOR IS TO SCHEDULE OPERATIONS INVOLVING ROAD CLOSURES SO THAT ALL WORK PROCEEDS IN AN EXPEDITIOUS MANNER. IT IS THE INTENT THAT ROAD CLOSURES BE HELD TO A MAXIMUM OF 20 MINUTES. WHEN LANE CLOSURES EXCEED 20 MINUTES, THEN THE FOLLOWING DISINCENTIVES APPLY FOR EACH OCCURRENCE:

21 MINUTES: \$2,000 (TWO THOUSAND DOLLARS) + \$100/MIN UP TO 40 MINS  
 41 MINUTES: ADDITIONAL \$5,000 (FIVE THOUSAND DOLLARS) + \$250 MIN UP TO 60 MIN

IN ADDITION TO THE PREVIOUS DISINCENTIVES, ALL ROAD CLOSURES LONGER THAN 60 MINUTES OR OUTSIDE OF THE "HOURS OF ROAD CLOSURE OPERATIONS: MOUNTAIN PARKWAY & US 460" WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$10,000.00 (TEN THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF. ROAD CLOSURES SHALL BE ALLOWED ONLY DURING "HOURS OF ROAD CLOSURE OPERATIONS: MOUNTAIN PARKWAY & U. S. 460" AS DESCRIBED BELOW. INTERRUPTIONS TO TRAFFIC SHALL NOT OCCUR MORE THAN ONCE IN A PERIOD OF PERMITTED ROAD CLOSURES UNLESS NORMAL TRAFFIC FLOW HAS BEEN RESTORED AND THE ENGINEER APPROVES ANOTHER ROAD CLOSURE.

**B. HOURS OF ROAD CLOSURE OPERATIONS: MOUNTAIN PARKWAY**

MONDAY	8:00 PM -	TUESDAY	6:00 AM
TUESDAY	8:00 PM -	WEDNESDAY	6:00 AM
WEDNESDAY	8:00 PM -	THURSDAY	6:00 AM
THURSDAY	8:00 PM -	FRIDAY	6:00 AM
FRIDAY	MIDNIGHT -	SATURDAY	8:00 AM
SATURDAY	MIDNIGHT -	SUNDAY	8:00 AM
SUNDAY	8:00 PM -	MONDAY	6:00 AM

**C. ROAD CLOSURES ON FRONTAGE ROAD, BACKAGE ROAD & APPROACHES**

WHEN CHANGING FROM ONE TRAFFIC PATTERN TO ANOTHER OR OTHER ACTIVITIES APPROVED BY THE ENGINEER, TRAFFIC MAY BE HALTED. PRIOR APPROVAL BY THE ENGINEER WILL BE REQUIRED FOR ALL ROAD CLOSURES. IT IS THE INTENT THAT ALL ROAD CLOSURES BE KEPT TO A MINIMUM TIME. THE CONTRACTOR IS TO SCHEDULE OPERATIONS INVOLVING ROAD CLOSURES SO THAT ALL WORK PROCEEDS IN AN EXPEDITIOUS MANNER. IT IS THE INTENT THAT ROAD CLOSURES BE HELD TO A MAXIMUM OF 20 MINUTES. WHEN LANE CLOSURES EXCEED 20 MINUTES, THEN THE FOLLOWING DISINCENTIVES APPLY FOR EACH OCCURRENCE:

**C. ROAD CLOSURES ON FRONTAGE ROAD, BACKAGE ROAD & APPROACHES (CONTINUED)**

21 MINUTES: \$1,000.00 (ONE THOUSAND DOLLARS) + \$50/MIN UP TO 40 MIN  
 41 MINUTES: ADDITIONAL \$2,000.00 (TWO THOUSAND DOLLARS) + \$100/MIN UP TO 60 MIN

ALL ROAD CLOSURES LONGER THAN 60 MINUTES OR OUTSIDE OF THE "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES" WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$5,000.00 (FIVE THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF. ROAD CLOSURES SHALL BE ALLOWED ONLY DURING "HOURS OF ROAD CLOSURE OPERATIONS" AS DESCRIBED BELOW. INTERRUPTIONS TO TRAFFIC SHALL NOT OCCUR MORE THAN ONCE IN A PERIOD OF PERMITTED ROAD CLOSURES UNLESS NORMAL TRAFFIC FLOW HAS BEEN RESTORED AND THE ENGINEER APPROVES ANOTHER ROAD CLOSURE.

**D. ADDITIONAL CLOSURES ON FRONTAGE ROAD**

WHEN CONSTRUCTING THE FRONTAGE ROAD, CONSTRUCTING UTILITIES ALONG THE FRONTAGE ROAD OR OTHER ACTIVITIES ALONG THE FRONTAGE ROAD APPROVED BY THE ENGINEER, TRAFFIC MAY BE HALTED OVER A CONTINUOUS 400 FOOT SECTION OF THE FRONTAGE ROAD. THIS CLOSURE SHALL ONLY BE WITHIN THE SPECIFIED "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES" DESCRIBED BELOW AND LOCAL ACCESS MUST BE MAINTAINED AT ALL TIMES. PRIOR APPROVAL BY THE ENGINEER WILL BE REQUIRED FOR ALL ROAD CLOSURES. THE CONTRACTOR IS TO SCHEDULE OPERATIONS INVOLVING ROAD CLOSURES SO THAT ALL WORK PROCEEDS IN AN EXPEDITIOUS MANNER.

REGARDLESS OF WHETHER PLANNED CONSTRUCTION CAN BE COMPLETED IN A SINGLE APPROVED PERIOD OF THE "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES", THE CONTRACTOR WILL BE REQUIRED TO REMOVE THE ROAD CLOSURE AND PROVIDE A TEMPORARY DRIVING SURFACE, SIGNING AND DELINEATION FOR NORMAL OPERATION AS DIRECTED BY THE ENGINEER. WHEN LANE CLOSURES EXCEED THE "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES", THEN THE FOLLOWING DISINCENTIVES APPLY FOR EACH OCCURRENCE:

UP TO 20 MINUTES: \$2,000.00 (TWO THOUSAND DOLLARS)  
 21 MINUTES: ADDITIONAL \$5,000.00 (FIVE THOUSAND DOLLARS) + \$250/MIN UP TO 40 MIN  
 41 MINUTES: ADDITIONAL \$10,000.00 (TEN THOUSAND DOLLARS) + \$500/MIN UP TO 60 MIN

ALL ROAD CLOSURES LONGER THAN 60 MINUTES OR OUTSIDE OF THE "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES" WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$20,000.00 (TWENTY THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF.

**E. HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES**

MONDAY	10:00 PM -	TUESDAY	6:00 AM
TUESDAY	10:00 PM -	WEDNESDAY	6:00 AM
WEDNESDAY	10:00 PM -	THURSDAY	6:00 AM
THURSDAY	10:00 PM -	FRIDAY	6:00 AM
FRIDAY	MIDNIGHT -	SATURDAY	6:00 AM
SATURDAY	MIDNIGHT -	SUNDAY	6:00 AM
SUNDAY	10:00 PM -	MONDAY	6:00 AM

**F. BLASTING OPERATIONS**

BLASTING OPERATION SHALL COMPLY WITH 'SPECIAL NOTE FOR ROCK BLASTING - 11D' (INCLUDED IN THE PROPOSAL) AND THE NOTE BELOW.

DURING BLASTING OPERATIONS, TRAFFIC MAY BE HALTED A MAXIMUM OF 20 MINUTES PER HOUR TO ALLOW THE EXECUTION OF THE "SHOT" AND TO ALLOW FOR REMOVAL OF ROCK FRAGMENTS AND DEBRIS. THE CONTRACTOR, WHEN USING EXPLOSIVE CHARGES OF ANY KIND FOR THE PURPOSE OF EXCAVATING, REMOVAL, ETC., ON THIS PROJECT SHALL HALT ALL TRAFFIC A SAFE DISTANCE ON EITHER SIDE OF THE IMPENDING EXPLOSION. THE CONTRACTOR SHALL IMMEDIATELY INSPECT THE PAVEMENTS FOR ANY DEBRIS THAT MAY BE A HAZARD TO TRAFFIC BEFORE ALLOWING TRAFFIC TO PROCEED ON THE AFFECTED SECTION. WHEN BLASTING, THE CONTRACTOR SHALL HALT TRAFFIC, BLAST, CLEAN THE EXISTING PAVEMENTS AND RETURN TRAFFIC TO NORMAL OPERATION IN THE LEAST AMOUNT OF TIME POSSIBLE.

21 MINUTES: \$2,000 (TWO THOUSAND DOLLARS) + \$100/MIN UP TO 40 MIN  
 41 MINUTES: ADDITIONAL \$5,000 (FIVE THOUSAND DOLLARS) + \$250/MIN UP TO 60 MIN

IN ADDITION TO THE PREVIOUS DISINCENTIVES, ALL ROAD CLOSURES LONGER THAN 60 MINUTES OR OUTSIDE OF THE "HOURS OF BLASTING OPERATIONS" WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$10,000.00 (TEN THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF. ROAD CLOSURES SHALL BE ALLOWED ONLY DURING "HOURS OF BLASTING OPERATIONS" AS DESCRIBED BELOW. INTERRUPTIONS TO TRAFFIC SHALL NOT OCCUR MORE THAN ONCE IN A PERIOD OF PERMITTED ROAD CLOSURES UNLESS NORMAL TRAFFIC FLOW HAS BEEN RESTORED AND THE ENGINEER APPROVES ANOTHER ROAD CLOSURE.

**G. HOURS OF BLASTING OPERATIONS**

MONDAY	9:00 AM - 11:00 AM, 1:00 PM - 2:00 PM AND 6:00 PM TO 8:00 PM
TUESDAY	9:00 AM - 11:00 AM, 1:00 PM - 2:00 PM AND 6:00 PM TO 8:00 PM
WEDNESDAY	9:00 AM - 11:00 AM, 1:00 PM - 2:00 PM AND 6:00 PM TO 8:00 PM
THURSDAY	9:00 AM - 11:00 AM, 1:00 PM - 2:00 PM AND 6:00 PM TO 8:00 PM
FRIDAY	9:00 AM - 11:00 AM AND 1:00 PM - 2:00 PM
SATURDAY	NO BLASTING PERMITTED
SUNDAY	NO BLASTING PERMITTED

**H. HOLIDAYS AND SPECIAL EVENTS**

LISTED BELOW ARE DATES AND TIMES FOR HOLIDAYS AND SPECIAL EVENTS WHEN LANE CLOSURES, ROAD CLOSURES, OR BLASTING WILL NOT BE PERMITTED:

JULY 2 - 5, 2016 (INDEPENDENCE DAY WEEKEND)
SEPTEMBER 2 - 5, 2016 (LABOR DAY WEEKEND)
NOVEMBER 8, 2016 (PRESIDENTIAL ELECTION)
NOVEMBER 23 - 28, 2016 (THANKSGIVING DAY WEEKEND)
DECEMBER 23, 2016 - JANUARY 2, 2017 (CHRISTMAS AND NEW YEAR'S PERIOD)
APRIL 14 - 16, 2017 (EASTER WEEKEND)
MAY 26 - 29, 2017 (MEMORIAL DAY WEEKEND)

FUTURE HOLIDAY AND SPECIAL EVENTS DATES WHEN LANE CLOSURES WILL NOT BE PERMITTED SHALL BE DETERMINED BY THE DEPARTMENT IF NECESSARY, COMPARABLE TO ABOVE DATES. THE ABOVE DATES ARE SUBJECT TO CHANGE IF THE DEPARTMENT DEEMS IT NECESSARY. THE CONTRACTOR IS FURTHER CAUTIONED THAT THE ENGINEER MAY, WITH A MINIMUM OF 48 HOURS WRITTEN NOTICE, PROHIBIT THE CLOSURE OF ANY LANES ON DAYS THAT THE ENGINEER FEELS WOULD BE DETRIMENTAL TO TRAFFIC FOR SPECIAL OR UNUSUAL DAYS NOT COVERED ABOVE.

**I. LANE CLOSURES**

WHEN CONSTRUCTION ADJACENT TO THE EDGE OF PAVEMENT IS IN PROGRESS AND WHEN INSTALLING BARRIER WALL ADJACENT TO A TRAVELED WAY, ONE LANE SHALL BE CLOSED. LANE CLOSURES SHALL BE ALLOWED ONLY DURING "HOURS OF LANE CLOSURE" AS DESCRIBED BELOW. ONCE CONSTRUCTION ADJACENT TO A TRAVELED WAY HAS BEGUN, THAT CONSTRUCTION SHALL BE EXPEDITED UNTIL COMPLETE.

IF CONSTRUCTION CANNOT BE COMPLETED IN A SINGLE APPROVED PERIOD OF "HOURS OF LANE CLOSURE OPERATIONS", THE CONTRACTOR WILL BE REQUIRED TO REMOVE THE LANE CLOSURE AND PROVIDE THE PROPER SIGNING AND DELINEATION FOR A SHOULDER CLOSURE. LANE CLOSURES SHALL NOT BE LEFT IN PLACE DURING NON-WORKING HOURS.

ONE-WAY TRAFFIC MAY BE ALLOWED WITHIN THE "HOURS OF LANE CLOSURE OPERATIONS" AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAG PERSON ARE AT THE LOCATION. THE FOLLOWING DISINCENTIVES WILL BE ASSESSED FOR EACH OCCURRENCE OF LANE CLOSURES EXCEEDING THE "HOURS OF LANE CLOSURE":

UP TO 20 MINUTES: \$1,000.00 (ONE THOUSAND DOLLARS)  
 21 MINUTES: ADDITIONAL \$2,000.00 (TWO THOUSAND DOLLARS) + \$100/MIN UP TO 40 MIN  
 41 MINUTES: ADDITIONAL \$5,000.00 (FIVE THOUSAND DOLLARS) + \$250/MIN UP TO 60 MIN

ALL LANE CLOSURES EXCEEDING THE "HOURS OF LANE CLOSURE OPERATIONS" BY 60 MINUTES OR OUTSIDE THE "HOURS OF LANE CLOSURE OPERATIONS" DESCRIBED BELOW, WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$10,000.00 (TEN THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF.

ALL LANE CLOSURES SHALL BE APPROVED BY THE ENGINEER PRIOR TO WORK COMMENCING.

**J. HOURS OF LANE CLOSURE OPERATIONS**

MON.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM, 1:00 PM - 3:00 PM & 6:00 PM - MIDNIGHT
TUE.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM, 1:00 PM - 3:00 PM & 6:00 PM - MIDNIGHT
WED.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM, 1:00 PM - 3:00 PM & 6:00 PM - MIDNIGHT
THR.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM, 1:00 PM - 3:00 PM & 6:00 PM - MIDNIGHT
FRI.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM & 1:00 PM - 3:00 PM
SAT.	NO LANE CLOSURES PERMITTED
SUN.	NO LANE CLOSURES PERMITTED

**K.** IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY VEHICLE ON AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE THE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

**L.** NO DIRECT PAYMENT WILL BE MADE FOR ROAD OR LANE CLOSURES. ALL LANE CLOSURES (LONG-TERM OR SHORT-TERM) WILL BE INCIDENTAL TO THE LUMP SUM ITEM FOR MAINTAIN & CONTROL TRAFFIC.

MAINTENANCE OF TRAFFIC  
SPECIAL NOTES

FILE NAME: J:\11303\PROJECT\MILESTONES\CONTRACT\_PLANS-AND-PROPOSAL\CONTRACT\_PLAN.SET\ROADWAY\DOGN\S\195900MT - ADDENDUM 1 - REV. 6-9-2016.DGN  
 USER: ehackworth  
 DATE PLOTTED: March 30, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R159

# MAINTENANCE OF TRAFFIC SPECIAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.
2. THE CONTRACTOR SHALL MAINTAIN A TWO LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 11 FEET AND A MINIMUM PAVED SHOULDER WIDTH OF 2 FEET, UNLESS OTHERWISE NOTED. FROM THE US 460 WEST INTERSECTION TO THE US 460 EAST INTERSECTION, THE CONTRACTOR SHALL MAINTAIN 3 LANES (MINIMUM WIDTH OF 11 FEET AND A MINIMUM PAVED SHOULDER WIDTH OF 2 FEET) UNTIL FRONTAGE AND BACKAGE ROADS ARE CONSTRUCTED AND OPEN TO TRAFFIC. ONCE FRONTAGE AND BACKAGE ROADS ARE OPEN TO TRAFFIC, THEN CONTRACTOR CAN MAINTAIN 2 LANES (MINIMUM WIDTH OF 11 FEET AND A MINIMUM PAVED SHOULDER WIDTH OF 2 FEET) EXCEPT AT THE INTERSECTIONS WHERE LEFT TURN LANES WILL BE REQUIRED. IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL BY THE INITIAL SIGNERS OF THE TMP.

ACCESS SHALL BE MAINTAINED TO ALL ENTRANCES DURING CONSTRUCTION OF THE PROJECT. ACCESS SHALL BE DEFINED AT A MINIMUM AS AN ENTRANCE WITH 4 INCHES OF CRUSHED STONE BASE OVER A WIDTH EQUAL TO THAT OF THE EXISTING ENTRANCES. ACCESS TO FIRE HYDRANTS MUST ALSO BE MAINTAINED AT ALL TIMES. ENTRANCES SHALL BE A MINIMUM OF 12' FOR SINGLE DIRECTION COMMERCIAL ENTRANCE, 24' FOR A BI-DIRECTIONAL ENTRANCE OR 12' FOR A RESIDENTIAL ENTRANCE. IN CASES WHERE EXISTING PROPERTIES HAVE TWO ENTRANCES, THEN ACCESS MUST BE PROVIDED TO ACCOMMODATE EXISTING OPERATIONS (I.E. DRIVE-THROUGH).

PRIOR TO THE CONTRACTOR PERFORMING ANY CONSTRUCTION PHASE, HE MUST APPLY IN WRITING TO THE ENGINEER FOR APPROVAL OF THE TIME SELECTED. THE CONTRACTOR SHALL BE CHARGED DISINCENTIVES FOR FAILING TO RE-OPEN TRAFFIC TO THREE LANES OF TRAVEL BY THE SPECIFIED TIME. THE FOLLOWING DISCENTIVES WILL APPLY:

A. ROAD CLOSURES ON MOUNTAIN PARKWAY & U. S. 460

WHEN SETTING BEAMS, REMOVING AND SETTING OVERHEAD SIGN SUPPORTS, CHANGING FROM ONE TRAFFIC PATTERN TO ANOTHER OR OTHER ACTIVITIES APPROVED BY THE ENGINEER, TRAFFIC MAY BE HALTED. PRIOR APPROVAL BY THE ENGINEER WILL BE REQUIRED FOR ALL ROAD CLOSURES. IT IS THE INTENT THAT ALL ROAD CLOSURES BE KEPT TO A MINIMUM TIME. THE CONTRACTOR IS TO SCHEDULE OPERATIONS INVOLVING ROAD CLOSURES SO THAT ALL WORK PROCEEDS IN AN EXPEDITIOUS MANNER. IT IS THE INTENT THAT ROAD CLOSURES BE HELD TO A MAXIMUM OF 20 MINUTES. WHEN LANE CLOSURES EXCEED 20 MINUTES, THEN THE FOLLOWING DISINCENTIVES APPLY FOR EACH OCCURRENCE:

21 MINUTES: \$2,000 (TWO THOUSAND DOLLARS) + \$100/MIN UP TO 40 MINS  
 41 MINUTES: ADDITIONAL \$5,000 (FIVE THOUSAND DOLLARS) + \$250 MIN UP TO 60 MIN

IN ADDITION TO THE PREVIOUS DISINCENTIVES, ALL ROAD CLOSURES LONGER THAN 60 MINUTES OR OUTSIDE OF THE "HOURS OF ROAD CLOSURE OPERATIONS: MOUNTAIN PARKWAY & US 460" WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$10,000.00 (TEN THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF. ROAD CLOSURES SHALL BE ALLOWED ONLY DURING "HOURS OF ROAD CLOSURE OPERATIONS: MOUNTAIN PARKWAY & U. S. 460" AS DESCRIBED BELOW. INTERRUPTIONS TO TRAFFIC SHALL NOT OCCUR MORE THAN ONCE IN A PERIOD OF PERMITTED ROAD CLOSURES UNLESS NORMAL TRAFFIC FLOW HAS BEEN RESTORED AND THE ENGINEER APPROVES ANOTHER ROAD CLOSURE.

B. HOURS OF ROAD CLOSURE OPERATIONS: MOUNTAIN PARKWAY

MONDAY	8:00 PM -	TUESDAY	6:00 AM
TUESDAY	8:00 PM -	WEDNESDAY	6:00 AM
WEDNESDAY	8:00 PM -	THURSDAY	6:00 AM
THURSDAY	8:00 PM -	FRIDAY	6:00 AM
FRIDAY	MIDNIGHT -	SATURDAY	8:00 AM
SATURDAY	MIDNIGHT -	SUNDAY	8:00 AM
SUNDAY	8:00 PM -	MONDAY	6:00 AM

C. ROAD CLOSURES ON FRONTAGE ROAD, BACKAGE ROAD & APPROACHES

WHEN CHANGING FROM ONE TRAFFIC PATTERN TO ANOTHER OR OTHER ACTIVITIES APPROVED BY THE ENGINEER, TRAFFIC MAY BE HALTED. PRIOR APPROVAL BY THE ENGINEER WILL BE REQUIRED FOR ALL ROAD CLOSURES. IT IS THE INTENT THAT ALL ROAD CLOSURES BE KEPT TO A MINIMUM TIME. THE CONTRACTOR IS TO SCHEDULE OPERATIONS INVOLVING ROAD CLOSURES SO THAT ALL WORK PROCEEDS IN AN EXPEDITIOUS MANNER. IT IS THE INTENT THAT ROAD CLOSURES BE HELD TO A MAXIMUM OF 20 MINUTES. WHEN LANE CLOSURES EXCEED 20 MINUTES, THEN THE FOLLOWING DISINCENTIVES APPLY FOR EACH OCCURRENCE:

C. ROAD CLOSURES ON FRONTAGE ROAD, BACKAGE ROAD & APPROACHES (CONTINUED)

21 MINUTES: \$1,000.00 (ONE THOUSAND DOLLARS) + \$50/MIN UP TO 40 MIN  
 41 MINUTES: ADDITIONAL \$2,000.00 (TWO THOUSAND DOLLARS) + \$100/MIN UP TO 60 MIN

ALL ROAD CLOSURES LONGER THAN 60 MINUTES OR OUTSIDE OF THE "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES" WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$5,000.00 (FIVE THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF. ROAD CLOSURES SHALL BE ALLOWED ONLY DURING "HOURS OF ROAD CLOSURE OPERATIONS" AS DESCRIBED BELOW. INTERRUPTIONS TO TRAFFIC SHALL NOT OCCUR MORE THAN ONCE IN A PERIOD OF PERMITTED ROAD CLOSURES UNLESS NORMAL TRAFFIC FLOW HAS BEEN RESTORED AND THE ENGINEER APPROVES ANOTHER ROAD CLOSURE.

D. ADDITIONAL CLOSURES ON FRONTAGE ROAD

WHEN CONSTRUCTING THE FRONTAGE ROAD, CONSTRUCTING UTILITIES ALONG THE FRONTAGE ROAD OR OTHER ACTIVITIES ALONG THE FRONTAGE ROAD APPROVED BY THE ENGINEER, TRAFFIC MAY BE HALTED OVER A CONTINUOUS 400 FOOT SECTION OF THE FRONTAGE ROAD. THIS CLOSURE SHALL ONLY BE WITHIN THE SPECIFIED "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES" DESCRIBED BELOW AND LOCAL ACCESS MUST BE MAINTAINED AT ALL TIMES. PRIOR APPROVAL BY THE ENGINEER WILL BE REQUIRED FOR ALL ROAD CLOSURES. THE CONTRACTOR IS TO SCHEDULE OPERATIONS INVOLVING ROAD CLOSURES SO THAT ALL WORK PROCEEDS IN AN EXPEDITIOUS MANNER.

REGARDLESS OF WHETHER PLANNED CONSTRUCTION CAN BE COMPLETED IN A SINGLE APPROVED PERIOD OF THE "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES", THE CONTRACTOR WILL BE REQUIRED TO REMOVE THE ROAD CLOSURE AND PROVIDE A TEMPORARY DRIVING SURFACE, SIGNING AND DELINEATION FOR NORMAL OPERATION AS DIRECTED BY THE ENGINEER. WHEN LANE CLOSURES EXCEED THE "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES", THEN THE FOLLOWING DISINCENTIVES APPLY FOR EACH OCCURRENCE:

UP TO 20 MINUTES: \$2,000.00 (TWO THOUSAND DOLLARS)  
 21 MINUTES: ADDITIONAL \$5,000.00 (FIVE THOUSAND DOLLARS) + \$250/MIN UP TO 40 MIN  
 41 MINUTES: ADDITIONAL \$10,000.00 (TEN THOUSAND DOLLARS) + \$500/MIN UP TO 60 MIN

ALL ROAD CLOSURES LONGER THAN 60 MINUTES OR OUTSIDE OF THE "HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES" WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$20,000.00 (TWENTY THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF.

E. HOURS OF ROAD CLOSURE OPERATIONS: FRONTAGE RD. BACKAGE RD. & APPROACHES

MONDAY	10:00 PM -	TUESDAY	6:00 AM
TUESDAY	10:00 PM -	WEDNESDAY	6:00 AM
WEDNESDAY	10:00 PM -	THURSDAY	6:00 AM
THURSDAY	10:00 PM -	FRIDAY	6:00 AM
FRIDAY	MIDNIGHT -	SATURDAY	6:00 AM
SATURDAY	MIDNIGHT -	SUNDAY	6:00 AM
SUNDAY	10:00 PM -	MONDAY	6:00 AM

F. BLASTING OPERATIONS

BLASTING OPERATION SHALL COMPLY WITH 'SPECIAL NOTE FOR ROCK BLASTING - 11D' (INCLUDED IN THE PROPOSAL) AND THE NOTE BELOW.

DURING BLASTING OPERATIONS, TRAFFIC MAY BE HALTED A MAXIMUM OF 20 MINUTES PER HOUR TO ALLOW THE EXECUTION OF THE "SHOT" AND TO ALLOW FOR REMOVAL OF ROCK FRAGMENTS AND DEBRIS. THE CONTRACTOR, WHEN USING EXPLOSIVE CHARGES OF ANY KIND FOR THE PURPOSE OF EXCAVATING, REMOVAL, ETC., ON THIS PROJECT SHALL HALT ALL TRAFFIC A SAFE DISTANCE ON EITHER SIDE OF THE IMPENDING EXPLOSION. THE CONTRACTOR SHALL IMMEDIATELY INSPECT THE PAVEMENTS FOR ANY DEBRIS THAT MAY BE A HAZARD TO TRAFFIC BEFORE ALLOWING TRAFFIC TO PROCEED ON THE AFFECTED SECTION. WHEN BLASTING, THE CONTRACTOR SHALL HALT TRAFFIC, BLAST, CLEAN THE EXISTING PAVEMENTS AND RETURN TRAFFIC TO NORMAL OPERATION IN THE LEAST AMOUNT OF TIME POSSIBLE.

21 MINUTES: \$2,000 (TWO THOUSAND DOLLARS) + \$100/MIN UP TO 40 MIN  
 41 MINUTES: ADDITIONAL \$5,000 (FIVE THOUSAND DOLLARS) + \$250/MIN UP TO 60 MIN

IN ADDITION TO THE PREVIOUS DISINCENTIVES, ALL ROAD CLOSURES LONGER THAN 60 MINUTES OR OUTSIDE OF THE "HOURS OF BLASTING OPERATIONS" WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$10,000.00 (TEN THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF. ROAD CLOSURES SHALL BE ALLOWED ONLY DURING "HOURS OF BLASTING OPERATIONS" AS DESCRIBED BELOW. INTERRUPTIONS TO TRAFFIC SHALL NOT OCCUR MORE THAN ONCE IN A PERIOD OF PERMITTED ROAD CLOSURES UNLESS NORMAL TRAFFIC FLOW HAS BEEN RESTORED AND THE ENGINEER APPROVES ANOTHER ROAD CLOSURE.

G. HOURS OF BLASTING OPERATIONS

MONDAY	9:00 AM - 11:00 AM, 1:00 PM - 2:00 PM AND 6:00 PM TO 8:00 PM
TUESDAY	9:00 AM - 11:00 AM, 1:00 PM - 2:00 PM AND 6:00 PM TO 8:00 PM
WEDNESDAY	9:00 AM - 11:00 AM, 1:00 PM - 2:00 PM AND 6:00 PM TO 8:00 PM
THURSDAY	9:00 AM - 11:00 AM, 1:00 PM - 2:00 PM AND 6:00 PM TO 8:00 PM
FRIDAY	9:00 AM - 11:00 AM AND 1:00 PM - 2:00 PM
SATURDAY	NO BLASTING PERMITTED
SUNDAY	NO BLASTING PERMITTED

H. HOLIDAYS AND SPECIAL EVENTS

LISTED BELOW ARE DATES AND TIMES FOR HOLIDAYS AND SPECIAL EVENTS WHEN LANE CLOSURES, ROAD CLOSURES, OR BLASTING WILL NOT BE PERMITTED:

JULY 2 - 5, 2016 (INDEPENDENCE DAY WEEKEND)  
 SEPTEMBER 2 - 5, 2016 (LABOR DAY WEEKEND)  
 NOVEMBER 8, 2016 (PRESIDENTIAL ELECTION)  
 NOVEMBER 23 - 28, 2016 (THANKSGIVING DAY WEEKEND)  
 DECEMBER 23, 2016 - JANUARY 2, 2017 (CHRISTMAS AND NEW YEAR'S PERIOD)  
 APRIL 14 - 16, 2017 (EASTER WEEKEND)  
 MAY 26 - 29, 2017 (MEMORIAL DAY WEEKEND)

FUTURE HOLIDAY AND SPECIAL EVENTS DATES WHEN LANE CLOSURES WILL NOT BE PERMITTED SHALL BE DETERMINED BY THE DEPARTMENT IF NECESSARY, COMPARABLE TO ABOVE DATES. THE ABOVE DATES ARE SUBJECT TO CHANGE IF THE DEPARTMENT DEEMS IT NECESSARY. THE CONTRACTOR IS FURTHER CAUTIONED THAT THE ENGINEER MAY, WITH A MINIMUM OF 48 HOURS WRITTEN NOTICE, PROHIBIT THE CLOSURE OF ANY LANES ON DAYS THAT THE ENGINEER FEELS WOULD BE DETRIMENTAL TO TRAFFIC FOR SPECIAL OR UNUSUAL DAYS NOT COVERED ABOVE.

I. LANE CLOSURES

WHEN CONSTRUCTION ADJACENT TO THE EDGE OF PAVEMENT IS IN PROGRESS AND WHEN INSTALLING BARRIER WALL ADJACENT TO A TRAVELED WAY, ONE LANE SHALL BE CLOSED. LANE CLOSURES SHALL BE ALLOWED ONLY DURING "HOURS OF LANE CLOSURE" AS DESCRIBED BELOW. ONCE CONSTRUCTION ADJACENT TO A TRAVELED WAY HAS BEGUN, THAT CONSTRUCTION SHALL BE EXPEDITED UNTIL COMPLETE.

IF CONSTRUCTION CANNOT BE COMPLETED IN A SINGLE APPROVED PERIOD OF "HOURS OF LANE CLOSURE OPERATIONS", THE CONTRACTOR WILL BE REQUIRED TO REMOVE THE LANE CLOSURE AND PROVIDE THE PROPER SIGNING AND DELINEATION FOR A SHOULDER CLOSURE. LANE CLOSURES SHALL NOT BE LEFT IN PLACE DURING NON-WORKING HOURS.

ONE-WAY TRAFFIC MAY BE ALLOWED WITHIN THE "HOURS OF LANE CLOSURE OPERATIONS" AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAG PERSON ARE AT THE LOCATION. THE FOLLOWING DISINCENTIVES WILL BE ASSESSED FOR EACH OCCURRENCE OF LANE CLOSURES EXCEEDING THE "HOURS OF LANE CLOSURE":

UP TO 20 MINUTES: \$1,000.00 (ONE THOUSAND DOLLARS)  
 21 MINUTES: ADDITIONAL \$2,000.00 (TWO THOUSAND DOLLARS) + \$100/MIN UP TO 40 MIN  
 41 MINUTES: ADDITIONAL \$5,000.00 (FIVE THOUSAND DOLLARS) + \$250/MIN UP TO 60 MIN

ALL LANE CLOSURES EXCEEDING THE "HOURS OF LANE CLOSURE OPERATIONS" BY 60 MINUTES OR OUTSIDE THE "HOURS OF LANE CLOSURE OPERATIONS" DESCRIBED BELOW, WILL BE ASSESSED ADDITIONAL DISINCENTIVES OF \$10,000.00 (TEN THOUSAND DOLLARS) PER HOUR OR FRACTION THEREOF.

ALL LANE CLOSURES SHALL BE APPROVED BY THE ENGINEER PRIOR TO WORK COMMENCING.

J. HOURS OF LANE CLOSURE OPERATIONS

MON.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM, 1:00 PM - 3:00 PM & 6:00 PM - MIDNIGHT
TUE.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM, 1:00 PM - 3:00 PM & 6:00 PM - MIDNIGHT
WED.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM, 1:00 PM - 3:00 PM & 6:00 PM - MIDNIGHT
THR.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM, 1:00 PM - 3:00 PM & 6:00 PM - MIDNIGHT
FRI.	MIDNIGHT - 6:00 AM, 9:00 AM - 11:00 AM & 1:00 PM - 3:00 PM
SAT.	NO LANE CLOSURES PERMITTED
SUN.	NO LANE CLOSURES PERMITTED

K. IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN EMERGENCY VEHICLE ON AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE THE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

L. NO DIRECT PAYMENT WILL BE MADE FOR ROAD OR LANE CLOSURES. ALL LANE CLOSURES (LONG-TERM OR SHORT-TERM) WILL BE INCIDENTAL TO THE LUMP SUM ITEM FOR MAINTAIN & CONTROL TRAFFIC.

FILE NAME: J:\1303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLANS\SET\ROADWAY\DOGN\S\195900MT - ADDENDUM 1 - REV. 6-9-2016.DGN  
 USER: ehackworth  
 DATE PLOTTED: March 30, 2016  
 E-SHEET NAME:  
 MicroStation v8.11.9.357

FILE NAME: J:\11303\PROJECT\_MILESTONES\CONTRACT\_PLANS\_AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY\DOGN\S\166000MT - ADDENDUM 1 - REV 6-9-2016.DGN  
 USER: krTce  
 DATE PLOTTED: March 30, 2016  
 E-SHEET NAME:  
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# MAINTENANCE OF TRAFFIC SPECIAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R160

**3. PAVEMENT DROP-OFF**

PAVEMENT EDGES THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:

LESS THAN 2 INCHES - NO PROTECTION REQUIRED. WARNING SIGNS SHOULD BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.

2 TO 4 INCHES - PLACE PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MILES PER HOUR OR GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS, AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MILES PER HOUR AND CURVES, DEVICES SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

GREATER THAN 4 INCHES - POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS 8 FEET OR MORE DISTANCE BETWEEN THE EDGE OF PAVEMENT AND DROP-OFF, DRUMS PANELS OR BARRICADES MAY BE USED. IF CONCRETE BARRIERS ARE USED REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATION.

FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN 4 INCHES MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.

LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.

PAYMENT WILL BE ALLOWED FOR CRUSHED STONE BASE USED FOR WEDGING AND TO MAINTAIN ENTRANCES.

4. EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED, ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID AT THE LUMP SUM BID PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES. THE LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC" SHALL ALSO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS AND OPERATIONS:

ALL GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DIVERSION CONSTRUCTION IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER NEEDED. IF A BID ITEM FOR DIVERSION CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DIVERSION."

ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.

ALL FLAG PERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS BARRICADES AND VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED) AND CONES NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.

5. ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES (INCLUDING VARIABLE MESSAGE SIGNS), MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED.

6. THE CONTRACTOR SHALL REMOVE TEMPORARY FACILITIES SUCH AS DIVERSIONS AND RESTORE TO ORIGINAL CONDITION, AS DIRECTED BY THE ENGINEER, WHEN THE FACILITIES ARE NO LONGER NEEDED

7. ALL TRAFFIC CONTROL DEVICES AND METHODS SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

8. THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSOVERS OR DIVERSIONS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.

9. IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC.

10. THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED.

11. ALL SIGNS NECESSARY FOR A MARKED DETOUR WILL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY STANDARD DRAWINGS AND THE MUTCD. SIGNS OUTSIDE THE PROJECT LIMITS SHALL BE PAID FOR BY THE SQUARE FOOT. THIS QUANTITY SHALL INCLUDE SIGN MOUNTING HARDWARE AND POSTS.

**12. TEMPORARY GRATES FOR CONCRETE MEDIAN BARRIER**

THE CONTRACTOR SHALL BE REQUIRED TO INSTALL TEMPORARY GRATES ON THE CONCRETE MEDIAN BARRIER INLETS UNTIL THE FINAL PHASE WHEN THE CONCRETE MEDIAN BARRIER IS PLACED. THE GRATES SHALL BE OF SUFFICIENT STRENGTH FOR VEHICULAR TRAFFIC AREAS. THE GRATES SHALL BE SECURED TO THE BOX INLET IN A MANNER SATISFACTORY FOR VEHICULAR TRAFFIC AREAS. NO DIRECT PAYMENT SHALL BE MADE FOR FURNISHING AND INSTALLING THESE GRATES AS IT SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM FOR MODIFIED CONCRETE MEDIAN BARRIER BOX INLET (BOTTOM PHASE).

**13. TEMPORARY CONCRETE BARRIER WALL (TCBW)**

THE CONTRACTOR SHALL FURNISH TEMPORARY CONCRETE BARRIER WALL, TYPE 9T, AND BE PAID UNDER 'TEMPORARY CONCRETE MEDIAN BARRIER TYPE 9T.' UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL TAKE OWNERSHIP OF TCBW, TYPE 9T. DELINEATORS SHALL BE PLACED ON ALL BARRIER WALLS.

DUE TO THE LIMITED SPACE DURING CONSTRUCTION, ALL TEMPORARY BARRIERS SHALL HAVE STIFFENERS INSTALLED TO LIMIT THE DEFLECTION UPON IMPACT TO ONE FOOT WHEN THEY ARE PLACED WITHIN THREE (3) FEET OF A NON-RECOVERABLE SLOPE. SEE STANDARD DRAWING RBM 120-01.

**14. REMOVAL OF EXISTING PAVEMENT MARKERS**

ALL EXISTING PAVEMENT MARKERS SHALL BE REMOVED COMPLETELY, NOT JUST LENSES, AND HOLES PATCHED WITH ASPHALT PRIOR TO SHOWING CONFLICTING MARKING SCHEMES WHEN LANE LINES ARE SHIFTED. ALL WORK AND MATERIALS REQUIRED WILL BE PAID FOR UNDER THE BID ITEM FOR 'REMOVE PAVEMENT MARKER TYPE V'. USED MARKERS BECOME THE PROPERTY OF THE CONTRACTOR.

**15. TEMPORARY PAVEMENT MARKERS TY IVA**

TYPE IVA, BIDIRECTIONAL-YELLOW, TEMPORARY PAVEMENT MARKERS WILL BE REQUIRED ALONG THE CENTERLINE STRIPE IN LANE TRANSITION AREAS, AREAS THAT DO NOT MEET THE NORMAL MAINTENANCE OF TRAFFIC LANE WIDTHS AND AS DIRECTED BY THE ENGINEER.

**16. REMOVAL OF PAVEMENT MARKINGS**

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT DO NOT CONFORM TO THE TRAFFIC OPERATION IN USE. ALL TEMPORARY MARKINGS THAT MUST BE SUBSEQUENTLY REMOVED FROM THE ULTIMATE PAVEMENT SHALL BE AN APPROVED TEMPORARY STRIPING TAPE. TEMPORARY MARKINGS ON EXISTING OR ULTIMATE PAVEMENT SHALL BE REMOVED BY WATER BLASTING TO THE SATISFACTION OF THE ENGINEER AND SHALL BE PAID FOR WITH THE BID ITEM "WATER BLASTING." PAINTING OF EXISTING MARKINGS WITH BITUMINOUS OR OTHER MATERIALS TO OBLITERATE THE MARKINGS WILL NOT BE PERMITTED.

**17. CONTRACTOR'S VEHICLES**

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

**18. CONSTRUCTION ACCESS**

DURING CONSTRUCTION, IF THE CONTRACTOR MOVES EQUIPMENT, MATERIAL, ETC. BACK AND FORTH ACROSS PUBLIC ROADWAYS THAT REMAIN OPEN, SPECIAL PROVISIONS MAY BE REQUIRED BY THE ENGINEER. THIS MAY INCLUDE BUT IS NOT LIMITED TO, PLATING OF THE EXISTING PAVEMENTS, FLAGGERS, SPECIAL SIGNING, OR LIGHTING TO EMPHASIZE THE CONSTRUCTION EQUIPMENT CROSSING THE ROADWAY, ALL OF WHICH SHALL BE INCIDENTAL TO THE BID ITEM "MAINTAIN AND CONTROL TRAFFIC."

**19. POSTED SPEED LIMITS**

DURING CONSTRUCTION KY 9009 SHALL BE SIGNED WITH A REDUCED SPEED LIMIT OF 45 MPH AND U.S. 460 SHALL BE SIGNED WITH A REDUCED SPEED OF 35 MPH, UNLESS OTHERWISE DETAILED IN THE PLANS OR DIRECTED BY THE ENGINEER.

"FINES DOUBLED IN WORK ZONE" SIGNS SHALL BE POSTED. THE EXTENT OF THESE AREAS WILL BE RESTRICTED TO THE PROXIMITY OF ACTUAL WORK AREAS AS DETERMINED BY THE ENGINEER. NOTIFY THE ENGINEER A MINIMUM OF 12 HOURS PRIOR TO USING THE DOUBLE FINE SIGNS. AT THE BEGINNING OF THE WORK ZONE, THE "WARNING FINE DOUBLED IN WORK ZONE" SIGNS WILL BE DUAL MOUNTED. AT THE END OF THE WORK ZONE, THE "END DOUBLE FINE" SIGNS WILL BE DUAL MOUNTED. REMOVE OR COVER THE SIGNS WHEN THE WORK ZONE DOES NOT HAVE WORKERS PRESENT FOR MORE THAN A TWO-HOUR PERIOD. PAYMENT FOR THE SIGNS WILL BE AT THE UNIT BID PRICE FOR TEMPORARY SIGNS. ANY RELOCATION OR COVERING OF THE SIGNS WILL BE INCIDENTAL TO "MAINTAIN AND CONTROL TRAFFIC."

**20. TRAFFIC CONTROL COORDINATOR**

THE CONTRACTOR SHALL DESIGNATE AN EMPLOYEE TO BE THE TRAFFIC CONTROL COORDINATOR. THIS PERSON SHALL INSPECT THE PROJECT MAINTENANCE OF TRAFFIC ACCORDING TO STANDARD SPEC 112.03.12 FOR THE LIFE OF THE PROJECT. THIS PERSON SHALL REPORT ALL INCIDENTS THROUGHOUT THE WORK ZONE TO THE ENGINEER. THE CONTRACTOR SHALL FURNISH THE NAME AND TELEPHONE NUMBER WHERE THE TRAFFIC CONTROL COORDINATOR CAN BE CONTACTED AT ALL TIMES.

**21. PROJECT COORDINATION**

THE 10-140 PROJECT, ADJACENT TO THIS PROJECT TO THE WEST, IS UNDER CONSTRUCTION. COORDINATION WITH THE CONSTRUCTION PHASES AND MAINTENANCE OF TRAFFIC IS REQUIRED AND WILL BE AS DIRECTED AND APPROVED BY THE ENGINEER. THE ENGINEER, AT HIS DISCRETION, MAY ADJUST WORK ITEMS AND PHASES TO COORDINATE WITH WORK ON THE ADJACENT PROJECT.

22. IN THE FINAL PHASE, ALL LANE CLOSURES AND ANY REMAINING TEMPORARY PAVEMENT ARE TO BE REMOVED AND THE FACILITY WILL BE OPENED TO TRAFFIC. FINAL SURFACING OPERATIONS WILL BE COMPLETED FOR THE ENTIRE PROJECT. THIS WORK WILL BE DONE UNDER TRAFFIC. TEMPORARY LANE OR SHOULDER CLOSURES MAY BE NECESSARY TO COMPLETE FINAL SURFACING OPERATIONS.

**23. SPECIAL NOTE FOR TEMPORARY EASEMENTS FOR SELECTED PARCELS**

ALL PARCELS TEMPORARY EASEMENT ARE TO BE UTILIZED ONLY DURING THE ACTIVE CONSTRUCTION OF THE ENTRANCES, CURB, PAVING, DRAINAGE FEATURES, AND OTHER APPURTENANCES LOCATED WITHIN THE TEMPORARY EASEMENT. THE CONTRACTOR WILL PROVIDE THE PROPERTY OWNER A TWO WEEK NOTICE BEFORE CONSTRUCTION WILL BEGIN ON THE PARCEL.

PARCEL 123  
PARCEL 123 HAS TWO TEMPORARY EASEMENTS:

- 1.) TEMPORARY EASEMENT ARE TO BE UTILIZED ONLY DURING THE ACTIVE CONSTRUCTION OF THE ENTRANCES, CURB, PAVING, DRAINAGE FEATURES, AND OTHER APPURTENANCES LOCATED WITHIN THE TEMPORARY EASEMENT. THE CONTRACTOR WILL PROVIDE THE PROPERTY OWNER A TWO WEEK NOTICE BEFORE CONSTRUCTION WILL BEGIN ON THE PARCEL. ALL CONSTRUCTION SHOULD BE COMPLETED WITHIN 30 WORKING DAYS.
- 2.) TEMPORARY EASEMENT FOR BUILDING REMOVAL OF THE EXISTING CANOPY. CANOPY IS TO BE REMOVED BY OTHERS.

PARCELS 152, 162, 164, 166, AND 168  
TEMPORARY EASEMENTS ARE TO BE UTILIZED ONLY DURING THE ACTIVE CONSTRUCTION OF THE ENTRANCES, CURB, PAVING, DRAINAGE FEATURES, AND OTHER APPURTENANCES LOCATED WITHIN THE TEMPORARY EASEMENT. THE CONTRACTOR WILL PROVIDE THE PROPERTY OWNERS A TWO WEEK NOTICE BEFORE CONSTRUCTION WILL BEGIN ON THE PARCEL. ALL CONSTRUCTION SHOULD BE COMPLETED WITHIN 60 WORKING DAYS. PARKING LOT DISRUPTIONS WILL BE MINIMIZED AND TRAFFIC FLOW WILL BE MAINTAINED DURING CONSTRUCTION.

ACCESS TO THESE PROPERTY WILL BE MAINTAINED DURING CONSTRUCTION. DISINCENTIVES FOR UTILIZING MORE THAN THE ALLOTTED TIME FOR THE ABOVE PARCELS WILL BE \$10,000 PER DAY.

**21. UTILITY MAINTENANCE OF TRAFFIC COORDINATION**

THE CONTRACTOR SHALL REFER TO THE MAINTENANCE OF TRAFFIC PLANS INCLUDED IN THE UTILITY PLANS FOR COORDINATING THE CONSTRUCTION OF UTILITIES WITH THE CONSTRUCTION OF THE ROADWAY. IN THE EVENT THAT A CONFLICT ARISE BETWEEN THE ROADWAY MAINTENANCE OF TRAFFIC PLANS AND THE UTILITY MAINTENANCE OF TRAFFIC PLANS, THE ROADWAY PLANS SHALL SUPERSEDE THE UTILITY PLANS.

**22. TEMPORARY SIGNAL NUMBER SIGNS**

THE CONTRACTOR SHALL MOUNT 24" X 24" SIGNS ON THE TEMPORARY SIGNAL SPANS, SIMILAR TO THE FINAL SIGNAL PLANS, INDICATING THE INTERSECTION "NUMBER". THESE SIGNS WILL BE PAID FOR UNDER THE BID ITEM FOR TEMPORARY SIGNS. THE INTERSECTIONS ARE NUMBERED AS FOLLOWS:  
 1. MT. PARKWAY / US 460 STA. 3949+40  
 2. MT. PARKWAY / BACKAGE RD. STA. 3967+80  
 3. MT. PARKWAY / BURNING FORK CONN. STA. 4000+85  
 4. MT. PARKWAY / KY 1415 AND KY 1888 STA. 4038+00

MAINTENANCE OF TRAFFIC  
 SPECIAL NOTES

MicroStation v8.11.9.357  
E-SHEET NAME:  
DATE PLOTTED: March 30, 2016  
USER: krTce  
FILE NAME: J:\1303\PROJECT\_MILESTONES\CONTRACT\_PLANS-AND\_PROPOSAL\CONTRACT\_PLAN\_SET\ROADWAY\DOGN\S\166000MT - ADDENDUM 1 - REV 6-9-2014.DGN

# MAINTENANCE OF TRAFFIC SPECIAL NOTES

COUNTY OF	ITEM NO.	SHEET NO.
MAGOFFIN	10-166.00	R160

### 3. PAVEMENT DROP-OFF

PAVEMENT EDGES THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:

LESS THAN 2 INCHES - NO PROTECTION REQUIRED. WARNING SIGNS SHOULD BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.

2 TO 4 INCHES - PLACE PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MILES PER HOUR OR GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS, AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MILES PER HOUR AND CURVES, DEVICES SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.

GREATER THAN 4 INCHES - POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS 8 FEET OR MORE DISTANCE BETWEEN THE EDGE OF PAVEMENT AND DROP-OFF, DRUMS PANELS OR BARRICADES MAY BE USED. IF CONCRETE BARRIERS ARE USED REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATION.

FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN 4 INCHES MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.

LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.

PAYMENT WILL BE ALLOWED FOR CRUSHED STONE BASE USED FOR WEDGING AND TO MAINTAIN ENTRANCES.

### 4. EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED, ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID AT THE LUMP SUM BID PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES. THE LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC" SHALL ALSO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS AND OPERATIONS:

ALL GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DIVERSION CONSTRUCTION IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER NEEDED. IF A BID ITEM FOR DIVERSION CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DIVERSION."

ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.

ALL FLAG PERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS BARRICADES AND VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED) AND CONES NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.

### 5. ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES (INCLUDING VARIABLE MESSAGE SIGNS), MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED.

### 6. THE CONTRACTOR SHALL REMOVE TEMPORARY FACILITIES SUCH AS DIVERSIONS AND RESTORE TO ORIGINAL CONDITION, AS DIRECTED BY THE ENGINEER, WHEN THE FACILITIES ARE NO LONGER NEEDED

### 7. ALL TRAFFIC CONTROL DEVICES AND METHODS SHALL CONFORM TO THE CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

### 8. THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSOVERS OR DIVERSIONS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.

### 9. IN GENERAL, ALL TRAFFIC CONTROL DEVICES SHALL BE PLACED STARTING AND PROCEEDING IN THE DIRECTION OF THE FLOW OF TRAFFIC AND REMOVED STARTING AND PROCEEDING IN THE DIRECTION OPPOSITE THE FLOW OF TRAFFIC.

### 10. THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED.

### 11. ALL SIGNS NECESSARY FOR A MARKED DETOUR WILL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY STANDARD DRAWINGS AND THE MUTCD. SIGNS OUTSIDE THE PROJECT LIMITS SHALL BE PAID FOR BY THE SQUARE FOOT. THIS QUANTITY SHALL INCLUDE SIGN MOUNTING HARDWARE AND POSTS.

### 12. TEMPORARY GRATES FOR CONCRETE MEDIAN BARRIER

THE CONTRACTOR SHALL BE REQUIRED TO INSTALL TEMPORARY GRATES ON THE CONCRETE MEDIAN BARRIER INLETS UNTIL THE FINAL PHASE WHEN THE CONCRETE MEDIAN BARRIER IS PLACED. THE GRATES SHALL BE OF SUFFICIENT STRENGTH FOR VEHICULAR TRAFFIC AREAS. THE GRATES SHALL BE SECURED TO THE BOX INLET IN A MANNER SATISFACTORY FOR VEHICULAR TRAFFIC AREAS. NO DIRECT PAYMENT SHALL BE MADE FOR FURNISHING AND INSTALLING THESE GRATES AS IT SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM FOR MODIFIED CONCRETE MEDIAN BARRIER BOX INLET (BOTTOM PHASE).

### 13. TEMPORARY CONCRETE BARRIER WALL (TCBW)

THE CONTRACTOR SHALL FURNISH TEMPORARY CONCRETE BARRIER WALL, TYPE 9T, AND BE PAID UNDER 'TEMPORARY CONCRETE MEDIAN BARRIER TYPE 9T.' UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL TAKE OWNERSHIP OF TCBW, TYPE 9T. DELINEATORS SHALL BE PLACED ON ALL BARRIER WALLS.

DUE TO THE LIMITED SPACE DURING CONSTRUCTION, ALL TEMPORARY BARRIERS SHALL HAVE STIFFENERS INSTALLED TO LIMIT THE DEFLECTION UPON IMPACT TO ONE FOOT WHEN THEY ARE PLACED WITHIN THREE (3) FEET OF A NON-RECOVERABLE SLOPE. SEE STANDARD DRAWING RBM 120-01.

### 14. REMOVAL OF EXISTING PAVEMENT MARKERS

ALL EXISTING PAVEMENT MARKERS SHALL BE REMOVED COMPLETELY, NOT JUST LENSES, AND HOLES PATCHED WITH ASPHALT PRIOR TO SHOWING CONFLICTING MARKING SCHEMES WHEN LANE LINES ARE SHIFTED. ALL WORK AND MATERIALS REQUIRED WILL BE PAID FOR UNDER THE BID ITEM FOR 'REMOVE PAVEMENT MARKER TYPE V'. USED MARKERS BECOME THE PROPERTY OF THE CONTRACTOR.

### 15. TEMPORARY PAVEMENT MARKERS TY IVA

TYPE IVA, BIDIRECTIONAL-YELLOW, TEMPORARY PAVEMENT MARKERS WILL BE REQUIRED ALONG THE CENTERLINE STRIPE IN LANE TRANSITION AREAS, AREAS THAT DO NOT MEET THE NORMAL MAINTENANCE OF TRAFFIC LANE WIDTHS AND AS DIRECTED BY THE ENGINEER.

### 16. REMOVAL OF PAVEMENT MARKINGS

THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT DO NOT CONFORM TO THE TRAFFIC OPERATION IN USE. ALL TEMPORARY MARKINGS THAT MUST BE SUBSEQUENTLY REMOVED FROM THE ULTIMATE PAVEMENT SHALL BE AN APPROVED TEMPORARY STRIPING TAPE. TEMPORARY MARKINGS ON EXISTING OR ULTIMATE PAVEMENT SHALL BE REMOVED BY WATER BLASTING TO THE SATISFACTION OF THE ENGINEER AND SHALL BE PAID FOR WITH THE BID ITEM "WATER BLASTING." PAINTING OF EXISTING MARKINGS WITH BITUMINOUS OR OTHER MATERIALS TO OBLITERATE THE MARKINGS WILL NOT BE PERMITTED.

### 17. CONTRACTOR'S VEHICLES

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

### 18. CONSTRUCTION ACCESS

DURING CONSTRUCTION, IF THE CONTRACTOR MOVES EQUIPMENT, MATERIAL, ETC. BACK AND FORTH ACROSS PUBLIC ROADWAYS THAT REMAIN OPEN, SPECIAL PROVISIONS MAY BE REQUIRED BY THE ENGINEER. THIS MAY INCLUDE BUT IS NOT LIMITED TO, PLATING OF THE EXISTING PAVEMENTS, FLAGGERS, SPECIAL SIGNING, OR LIGHTING TO EMPHASIZE THE CONSTRUCTION EQUIPMENT CROSSING THE ROADWAY, ALL OF WHICH SHALL BE INCIDENTAL TO THE BID ITEM "MAINTAIN AND CONTROL TRAFFIC."

### 19. POSTED SPEED LIMITS

DURING CONSTRUCTION KY 9009 SHALL BE SIGNED WITH A REDUCED SPEED LIMIT OF 45 MPH AND U.S. 460 SHALL BE SIGNED WITH A REDUCED SPEED OF 35 MPH, UNLESS OTHERWISE DETAILED IN THE PLANS OR DIRECTED BY THE ENGINEER.

"FINES DOUBLED IN WORK ZONE" SIGNS SHALL BE POSTED. THE EXTENT OF THESE AREAS WILL BE RESTRICTED TO THE PROXIMITY OF ACTUAL WORK AREAS AS DETERMINED BY THE ENGINEER. NOTIFY THE ENGINEER A MINIMUM OF 12 HOURS PRIOR TO USING THE DOUBLE FINE SIGNS. AT THE BEGINNING OF THE WORK ZONE, THE "WARNING FINE DOUBLED IN WORK ZONE" SIGNS WILL BE DUAL MOUNTED. AT THE END OF THE WORK ZONE, THE "END DOUBLE FINE" SIGNS WILL BE DUAL MOUNTED. REMOVE OR COVER THE SIGNS WHEN THE WORK ZONE DOES NOT HAVE WORKERS PRESENT FOR MORE THAN A TWO-HOUR PERIOD. PAYMENT FOR THE SIGNS WILL BE AT THE UNIT BID PRICE FOR TEMPORARY SIGNS. ANY RELOCATION OR COVERING OF THE SIGNS WILL BE INCIDENTAL TO "MAINTAIN AND CONTROL TRAFFIC."

### 20. TRAFFIC CONTROL COORDINATOR

THE CONTRACTOR SHALL DESIGNATE AN EMPLOYEE TO BE THE TRAFFIC CONTROL COORDINATOR. THIS PERSON SHALL INSPECT THE PROJECT MAINTENANCE OF TRAFFIC ACCORDING TO STANDARD SPEC 112.03.12 FOR THE LIFE OF THE PROJECT. THIS PERSON SHALL REPORT ALL INCIDENTS THROUGHOUT THE WORK ZONE TO THE ENGINEER. THE CONTRACTOR SHALL FURNISH THE NAME AND TELEPHONE NUMBER WHERE THE TRAFFIC CONTROL COORDINATOR CAN BE CONTACTED AT ALL TIMES.

### 21. PROJECT COORDINATION

THE 10-140 PROJECT, ADJACENT TO THIS PROJECT TO THE WEST, IS UNDER CONSTRUCTION. COORDINATION WITH THE CONSTRUCTION PHASES AND MAINTENANCE OF TRAFFIC IS REQUIRED AND WILL BE AS DIRECTED AND APPROVED BY THE ENGINEER. THE ENGINEER, AT HIS DISCRETION, MAY ADJUST WORK ITEMS AND PHASES TO COORDINATE WITH WORK ON THE ADJACENT PROJECT.

22. IN THE FINAL PHASE, ALL LANE CLOSURES AND ANY REMAINING TEMPORARY PAVEMENT ARE TO BE REMOVED AND THE FACILITY WILL BE OPENED TO TRAFFIC. FINAL SURFACING OPERATIONS WILL BE COMPLETED FOR THE ENTIRE PROJECT. THIS WORK WILL BE DONE UNDER TRAFFIC. TEMPORARY LANE OR SHOULDER CLOSURES MAY BE NECESSARY TO COMPLETE FINAL SURFACING OPERATIONS.

### 23. SPECIAL NOTE FOR TEMPORARY EASEMENTS FOR SELECTED PARCELS

ALL PARCELS TEMPORARY EASEMENT ARE TO BE UTILIZED ONLY DURING THE ACTIVE CONSTRUCTION OF THE ENTRANCES, CURB, PAVING, DRAINAGE FEATURES, AND OTHER APPURTENANCES LOCATED WITHIN THE TEMPORARY EASEMENT. THE CONTRACTOR WILL PROVIDE THE PROPERTY OWNER A TWO WEEK NOTICE BEFORE CONSTRUCTION WILL BEGIN ON THE PARCEL.

PARCEL 123  
PARCEL 123 HAS TWO TEMPORARY EASEMENTS:

- 1.) TEMPORARY EASEMENT ARE TO BE UTILIZED ONLY DURING THE ACTIVE CONSTRUCTION OF THE ENTRANCES, CURB, PAVING, DRAINAGE FEATURES, AND OTHER APPURTENANCES LOCATED WITHIN THE TEMPORARY EASEMENT. THE CONTRACTOR WILL PROVIDE THE PROPERTY OWNER A TWO WEEK NOTICE BEFORE CONSTRUCTION WILL BEGIN ON THE PARCEL. ALL CONSTRUCTION SHOULD BE COMPLETED WITHIN 30 WORKING DAYS.
- 2.) TEMPORARY EASEMENT FOR BUILDING REMOVAL OF THE EXISTING CANOPY. CANOPY IS TO BE REMOVED BY OTHERS.

PARCELS 152, 162, 164, 166, AND 168  
TEMPORARY EASEMENTS ARE TO BE UTILIZED ONLY DURING THE ACTIVE CONSTRUCTION OF THE ENTRANCES, CURB, PAVING, DRAINAGE FEATURES, AND OTHER APPURTENANCES LOCATED WITHIN THE TEMPORARY EASEMENT. THE CONTRACTOR WILL PROVIDE THE PROPERTY OWNERS A TWO WEEK NOTICE BEFORE CONSTRUCTION WILL BEGIN ON THE PARCEL. ALL CONSTRUCTION SHOULD BE COMPLETED WITHIN 60 WORKING DAYS. PARKING LOT DISRUPTIONS WILL BE MINIMIZED AND TRAFFIC FLOW WILL BE MAINTAINED DURING CONSTRUCTION.

ACCESS TO THESE PROPERTY WILL BE MAINTAINED DURING CONSTRUCTION. DISINCENTIVES FOR UTILIZING MORE THAN THE ALLOTTED TIME FOR THE ABOVE PARCELS WILL BE \$10,000 PER DAY.

### 21. UTILITY MAINTENANCE OF TRAFFIC COORDINATION

THE CONTRACTOR SHALL REFER TO THE MAINTENANCE OF TRAFFIC PLANS INCLUDED IN THE UTILITY PLANS FOR COORDINATING THE CONSTRUCTION OF UTILITIES WITH THE CONSTRUCTION OF THE ROADWAY. IN THE EVENT THAT A CONFLICT ARISE BETWEEN THE ROADWAY MAINTENANCE OF TRAFFIC PLANS AND THE UTILITY MAINTENANCE OF TRAFFIC PLANS, THE ROADWAY PLANS SHALL SUPERSEDE THE UTILITY PLANS.

### 22. TEMPORARY SIGNAL NUMBER SIGNS

THE CONTRACTOR SHALL MOUNT 24" X 24" SIGNS ON THE TEMPORARY SIGNAL SPANS, SIMILAR TO THE FINAL SIGNAL PLANS, INDICATING THE INTERSECTION "NUMBER". THESE SIGNS WILL BE PAID FOR UNDER THE BID ITEM FOR TEMPORARY SIGNS. THE INTERSECTIONS ARE NUMBERED AS FOLLOWS:

1. MT. PARKWAY / US 460 STA. 3949+40
2. MT. PARKWAY / BACKAGE RD. STA. 3967+80
3. MT. PARKWAY / BURNING FORK CONN. STA. 4000+85
4. MT. PARKWAY / KY 1415 AND KY 1888 STA. 4038+00

## ***SPECIAL NOTE***

### **Public Information Requirements**

#### **Magoffin County US 460 / Mountain Parkway Reconstruction Item No. 10-166.00**

This project is designated as a Significant Project

In addition to the duties as detailed in Standard Specifications Section 112.03.12, the Project Traffic Coordinator (PTC), or the Superintendent or the Superintendent's designee approved by the Engineer, shall be required as set forth in the attached Public Information Plan to actively participate in the Communications Team. Duties with the Communication Team will include providing detailed information on the proposed schedule of operations (in a narrative and graphically).

All duties performed by the PTC as detailed in Standard Specifications Section 112.03.12 and the duties performed by the PTC, or the Superintendent or the Superintendent's designee approved by the engineer, set forth in the Public Information Plan shall be incidental to the Maintenance and Control of Traffic bid item.



# Public Information Plan

## As part of the Traffic Management Plan

### Salyersville Restaurant Row Segment

#### Mountain Parkway Expansion

#### Item No. 10-166

This Public Information Plan is a component of the Traffic Management Plan and is intended to outline communications strategies that supplement ongoing efforts by the Kentucky Transportation Cabinet (KYTC), the General Engineering Consultant (GEC) and the General Contractor (TBD). It serves as an addendum to the Mountain Parkway Expansion Community Outreach and Communications Plan (Attachment A).

#### **Audience and Goal**

The Salyersville Restaurant Row Segment is in the most visible and highly traveled section of the Mountain Parkway. The project to extend the Mountain Parkway by widening and improving the existing roadway is expected to impact motorists, property owners, business operators, schools, churches, nonprofits, and others in the community who interact with these groups, such as customers, clients, vendors or students/parents.

These affected groups are considered the “Primary Audience” for this plan, which is intended to raise public awareness of the Mountain Parkway Expansion and to mitigate the expected impacts to commerce and mobility in the 2.4-mile segment.

Specifically, this Plan outlines efforts and processes that will inform the Primary Audience, the general public and other stakeholders in Eastern Kentucky about the progress and impact of the project.

#### **Communications Team**

Under the direction of KYTC, the GEC will coordinate and monitor communications activities with the public and community stakeholders. The Communications Team will consist of KYTC representatives, including members from Highway Districts 10 and 12, the Salyersville Mayor’s office, the GEC, the General Contractor and others that might be needed (TBD). The Contractor’s representative shall be the Superintendent or the designated Project Traffic Coordinator as defined by the Standard Specifications or a designee approved by the Engineer.

### Key Messages

The following are the ongoing key messages that will be conveyed by the Communications Team:

- The Restaurant Row improvements are designed to extend the Mountain Parkway with four-lane access that improves mobility and safety.
- The project design includes a system of frontage and backage roads that will change the flow of traffic through Restaurant Row but ensure access to businesses, residences and other facilities.
- KYTC and the project team will work to reduce impacts to businesses, but some periodic disruptions to traffic and access are expected during the construction phase.
- KYTC and the project team will communicate regularly to inform residents, businesses and travelers of coming changes so they can better prepare.
- Construction in this area will last 2 to 3 years.

### Team Communications

Offering accurate, consistent and timely messages is critical to the success of the project, particularly in maintaining public support and setting appropriate expectations for the public and local stakeholders. Achieving this goal will require a coordinated approach involving members of the project team.

This coordinated approach will include:

- **Progress update calls/meetings** among representatives of the Contractor, KYTC's Project Manager and the GEC to discuss construction, impending traffic changes and potential impacts to businesses and traffic;
- **Development of a process for the Contractor to send timely notifications** to KYTC and members of the Communications Team of unexpected occurrences that might warrant public notification, including but not limited to planned or unexpected traffic disruptions, incidents/injuries occurring within the work zone, changes in the project schedule, etc.;

### External Communications

The Communications Team will use a broad array of communications tools to inform the public and other stakeholders about the Restaurant Row project, in line with the existing Community Outreach and Public Communications Plan for the Mountain Parkway Expansion. External Communications will include the following:

## **Electronic Communications**

### **Website**

The project website, <http://mtnparkway.com/>, provides updated construction news, traffic alerts, photographs and maps that are an important part of informing the public about the Mountain Parkway Expansion. Each segment of the project, including Restaurant Row, has a dedicated page on the site. The website also includes project history and contact information that includes a newsletter signup, along with the hours and phone number for the project office.

Before and during the construction phase, the website will be updated with information about the Restaurant Row project, including construction updates, impending changes in traffic patterns and project milestones.

The website address will be incorporated into all communications materials.

### **Social media**

Social media (Facebook and Twitter) has been instrumental in communicating directly and cost-effectively with a diffuse population where traditional media outlets have limited reach. Social media drives citizens to the project's website and engages the public to ask questions or share news with friends, neighbors and relatives. The Facebook page also includes a feature that allows users to sign up for the Mountain Parkway e-newsletter.

The current social media accounts will be used to provide information on the Restaurant Row Segment, particularly during construction, and inform citizens and motorists about construction, traffic impacts, public meetings and project news. The feedback provided on these sites also will be monitored to inform the Project Manager, Contractor and project team of public sentiment.

### **Email**

As with social media, email lists for targeted groups allow the communications team to keep the public and other stakeholders informed about the project. These also drive traffic to the project website through links to more information.

Currently, the GEC sends news and updates via email to the general public and to the Mountain Parkway Awareness Council. The current email list will be expanded to include the businesses and individuals along Restaurant Row to better inform those most affected by the project of construction news and impacts.

## **Enhanced Media Relations**

Because of the visibility and potential impact of this segment of the project, the Communications Team will employ these additional strategies to promote and guide media coverage:

- Project updates aimed primarily at radio stations in area
- News releases to print and online news outlets serving Magoffin County
- Periodic on-camera interviews with the KYTC Project Manager for WYMT and EKB-TV

### **Direct Communications**

Being certain project information reaches the Primary Audience – those who will be most affected – is critical to the success of this Plan. The Communications Team will develop targeted, timely information for the affected business operators, schools, churches, nonprofits, and those in the community who interact with these groups. This strategy will include:

- Creating and maintaining a database of directly affected businesses and organizations, including contact information (Attachment B);
- Developing a communications and/or advertising strategy focused on providing routine communications to businesses and their customers;
- Using the businesses and their communications networks to share project information.

Members of the Communications Team, including a representative of the contractor, will meet prior to the start of construction to discuss the messages, strategies, timeline and processes for communicating directly with affected businesses and organizations as well as the general public.

Once construction starts, members of the Communications Team will participate in routine calls to discuss progress and impacts on local businesses and organizations.

### **Meetings & Presentations**

The Communications Team will take a proactive approach to sharing information, answering questions, and responding to suggestions from affected individuals and groups. This will include presentations to interested groups and organizations as well as general public meetings. An information meeting will be held before the beginning of major construction work, and other informational meetings may be held at key points during the project. **Information presented at the meeting held before the beginning of major construction work will include detailed information on the proposed schedule of operations (in a narrative and graphically) provided by the Contractor.** The Communications Team, in coordination with the Contractor's Superintendent or the designated Project Traffic Coordinator, will be responsible for meeting preparations, logistics and attendance.

### **Leadership briefings**

Local leaders and elected officials are important for sharing information and maintaining public support for improvements in the Restaurant Row Segment and the Mountain Parkway Expansion as a whole.

Community leaders are routinely updated through Mountain Parkway Awareness Council (MPAC) emails. A contact list of these officials, as well as state and federal legislators, is maintained by the GEC. These emails will continue to be used to share information about the Restaurant Row project with area leaders.

### **Project Hotline**

A project phone number currently allows citizens to call for information about the Mountain Parkway Expansion and ask questions about the project. This system includes a general message about progress and activities.

An option will be added to the phone menu to provide information about activities specifically in the Restaurant Row Segment and to accept messages with questions and feedback. The GEC will monitor the hotline and coordinate responses to public inquiries.

The hotline number – (606) 349-8160 – will be incorporated into all communications materials and promoted on the project website and project signs in the construction area.

### **Project Office**

A Project Office at 447 Parkway Drive (U.S. 460), Salyersville, Ky. has been established. This office serves as a local communications outlet to share project information such as maps and plans of the project area and collect feedback from residents affected by the project.

The Communications Team will continue to provide timely information to the staff at the Project Office. The staff of the Project Office will work on an ongoing basis with the Communications Team to identify common questions and concerns from the public.

## ATTACHMENT A



# Community Outreach and Communications Plan

## Mountain Parkway Expansion

### Introduction

The Mountain Parkway Expansion project is more than a transportation project; it's a transformation project. The widening and improvement of this 46-mile segment, announced by Gov. Steve Beshear as part of the SOAR initiative, will enhance the connection between the Eastern and Central Kentucky regions to improve regional mobility of people, goods and services.

This Communications Plan outlines the Kentucky Transportation Cabinet's commitment to inform and involve stakeholders in the region throughout the pre-construction and multi-year construction process (2014-2022). KYTC and the General Engineering Consultant (Parkway Partners) will provide information that helps motorists, residents, businesses and others understand the construction schedule for the project, stay informed of traffic impacts, cope with the necessary travel restrictions and know the long-term benefits the improved roadway will provide to the region.

### Communications Goal

To inform stakeholders about the Mountain Parkway Expansion before and during construction to help reduce impacts on residents, motorists, businesses and others

### Communications Objectives

- Provide information about the project's scope, timeline, travel impacts and benefits to quality of life
- Involve stakeholders during the pre-construction phase and in advance of construction work to maximize awareness
- Seek media coverage to help inform and educate stakeholders

## **Target Audiences**

- Motorists
- Residents
- Affected property owners
- Business owners
- Elected officials and local governments
- Community leaders
- Emergency responders
- School officials
- News media

## **Elements of Scope**

### **Project team and DBT communications**

The project team will communicate regularly throughout the project with KYTC, design consultants and contractors selected for each segment of the project. These communications will include conference calls, emails and in-person meetings. A project team office is planned for Salyersville. On-going communications are essential to keeping the public well informed about the project and its impacts.

### **Briefings and updates for community leaders**

During the design phase and in advance of construction, the project team will meet with identified community leaders to share information and seek feedback. In addition, the project team will communicate with leaders periodically throughout construction, both through email and in person.

### **Project website**

A project website will be developed to provide consistent, up-to-date information through all phases of design, pre-construction and construction. The website will be designed with an identifiable project logo and will include maps, photos, news updates, construction information, contacts and other relevant information about the project. The website will also include a historical section on the Mountain Parkway and include links to other related initiatives, such as the SOAR initiative spearheaded by Gov. Beshear and U.S. Rep. Rogers.

### **Social media (Facebook and Twitter)**

To meet the up-to-the-minute need for information, particularly during construction, the project team will use leading social media tools, including Facebook and Twitter, to update citizens and motorists about public meetings, construction, traffic impacts and project news. These updates will periodically include photos of progress and solicit photos from citizens to encourage public involvement and discourse.

### **Email communications and e-newsletter**

The project team will also use email communications to reach people interested in keeping up-to-date on construction plans and traffic impacts. Citizens can sign up to receive emails through the project website or by registering at public meetings. In addition, a periodic e-newsletter will provide progress updates throughout construction and drive readers to the project website for more information.

### **Mountain Parkway Awareness Council (MPAC)**

The project team will identify a group of elected leaders (county judges, mayors, state legislators, etc.) and community leaders to form the Mountain Parkway Awareness Council (MPAC). This group will receive email updates at the start of each construction season, in advance of significant traffic changes and at other critical points throughout the process. These “community connectors” will be a critical resource for spreading information about the project.

### **Public information and media relations**

To keep citizens throughout Central and Eastern Kentucky informed, the project team will provide regular, ongoing updates through media outlets (newspapers, television stations, radio stations, etc.). This will include news releases, news conferences and media availabilities. The project team will coordinate all media relations contacts with KYTC’s Office of Public Affairs and the Project Manager, and team members may serve as project spokespersons as directed by KYTC. The communications team will develop and maintain a comprehensive database of media outlets throughout the region and foster positive working relationships with both news and editorial staff.

### **Open house meetings**

Several meetings in communities within the corridor will be held during the design phase and at least annually throughout the construction phase of the project. Meetings will allow residents, businesses and local leaders to gain information, provide feedback and talk directly with project leaders. The communications team will promote meetings in advance, compile feedback and share information with the project team and KYTC.

### **Milestone events**

To ensure awareness of the project and its impacts, the project team will mark key milestones including groundbreakings and phase completions. We will also look for opportunities to showcase support from federal and state partners, including tours with officials, grant announcements and/or coordinated events with the SOAR initiative.



## ATTACHMENT B

### (As of March 23, 2016)

Business	Parcel	Business Owner/ Manager	Address	Phone	Cell Phone	Email
St. Luke Roman Catholic Church	104	Sister Jan Barthel; Father Bob Damron	1221 Parkway Drive	(606) 349-5320; (606) 874-9526		<a href="mailto:stluke41465@hotmail.com">stluke41465@hotmail.com</a>
Magoffin Co. Health Dept.	113	Sherry Helton	132 Mountain Parkway	(606) 349-6212	(606) 367-5022	
Summit Motors	119					
McDonald's	122		222 Mountain Parkway	(606) 349-1611		
Marathon	123	Christy Holbrook, Manager; Michael Moore, Owner	269 E. Mountain Parkway Rt. 114	(606) 349-3133; (304) 784-2338	(304) 784-2338	<a href="mailto:michael@vipfuls.com">michael@vipfuls.com</a>
First Commonwealth Bank	124	Patty Howard	111 S. Church St.	(606) 349-7520	(606) 496-6385	<a href="mailto:patty.howard@myfcbank.com">patty.howard@myfcbank.com</a>
Buddie's Produce	126					
Shell	129	Sunny Singh	300 Mountain Parkway	(606) 349-3663	(859) 777-2516	<a href="mailto:jashanBP@aol.com">jashanBP@aol.com</a>
Nordin Eye Center	131	Alisha Hackney	120 Amanda Ave. Ste. 100	(606) 349-2020	(606) 793-0274	<a href="mailto:nordineyecenter@bellsouth.net">nordineyecenter@bellsouth.net</a>
Appalachian Wireless	131	Deloris Priode	120 Amanda Ave., Ste. 500	(606) 349-4662	(606) 793-1809	<a href="mailto:dpriode@ekn.com">dpriode@ekn.com</a>
World Finance Loans and Tax Services	131	Elizabeth Hollon	120 Amanda Ave.	(606) 349-4111	(606) 495-5213	<a href="mailto:elizabethhollon10@yahoo.com">elizabethhollon10@yahoo.com</a>
Wendy's	132	Billy King, Vice President of Operations	325 E. Mountain Parkway	(606) 349-3900	(606) 438-2732 (Billy King)	<a href="mailto:billy.king@neighborhoodrestaurants.biz">billy.king@neighborhoodrestaurants.biz</a>
Dairy	133	Josie	509 E.	(606) 349-1616	(606) 662-4002	<a href="mailto:jtolson40@hotmail.com">jtolson40@hotmail.com</a>

Queen		Whisman (Area Mgr.); Steve Caudill	Mountain Parkway		(Josie home); (606) 495-0822 (mobile)	<a href="mailto:mail.com">mail.com</a>
Lee's Famous Recipe	134	Doug Mortimer	114 Mountain Parkway	(606) 349-3626		
Subway	136	Ginger Oney	342 Mountain Parkway	(606) 349-8899	(606) 367-7643	<a href="mailto:danny225@foothills.net">danny225@foothills.net</a>
Lumber Logistics	137		9 Lick Branch Rd.	(606) 349-9663		
Advance Auto	138	Floyd Arnett, manager	400 E. Mountain Parkway	(606) 349-6603	(606) 205-3391 (Floyd Arnett)	<a href="mailto:floyd.arnett@advance-auto.com">floyd.arnett@advance-auto.com</a>
Universal Toxicology	139	Paul Lyon	309 Parkway Drive	(606) 349-5974	(606) 210-0446	
Classic Donuts	141	Debbie Meade	411 Mountain Parkway	(606) 349-7555	(606) 305-5463	<a href="mailto:dferguson1765@gmail.com">dferguson1765@gmail.com</a>
China Express	142	Ellen Liu, Manager	422 E. Mountain Parkway	(606) 349-6888	(304) 266-8970	<a href="mailto:hmrnli1391@gmail.com">hmrnli1391@gmail.com</a>
L&H Alignment and car wash	148			(606) 349-5103		
Magoffin County Conservation District	149	Doug Collinsworth, Office Manager	465 E. Mountain Parkway	(606) 349-1919	(606) 791-2236 (Board Chairman Sanford Holbrook)	<a href="mailto:magoffincd@yahoo.com">magoffincd@yahoo.com</a>
Shawn's Gun & Pawn	152	Shawn Blanton	467 Mountain Parkway	(606) 349-7400	(606) 792-6383	<a href="mailto:melissa41256@gmail.com">melissa41256@gmail.com</a>
Merle Norman	152	Jane Daniels	467 E. Mountain Parkway	(606) 349-8101	(606) 471-4148	
Cash Express	152	Brittany Minix (mgr.)	465 E. Mountain Parkway	(606) 349-7745	(859) 553-1884 (Janice Kidd, District Mgr.)	<a href="mailto:arlannaminix@cashtn.com">arlannaminix@cashtn.com</a>
Citizens National Bank	154	Cody Prater	615 Mountain Parkway	(606) 349-8800	(606) 548-1993	<a href="mailto:codyp@wercitizens.bank">codyp@wercitizens.bank</a>
Magoffin Co. Farm Bureau	154		632 Mountain Parkway	(606) 349-2416		
Car Quest	154	Millie Bailey	630 E. Mountain Parkway	(606) 349-6141	(606) 496-5528	<a href="mailto:carquest@foothills.net">carquest@foothills.net</a>

Mi Hacienda	156	Araceli Garcia, Manager; Ernesto Jordan, Owner;	680 Mountain Parkway (old address); Moving to 120 Amanda Ave.	(606) 349-6800; Tony Patrick (214) 351-6647	(606) 264-1503 (Ernesto)	
Country Cuts Barber Shop	157	Wanda Felber, Owner; Tracy Blanton, runs shop	E. Mountain Parkway	(606) 349-1428	(606) 793-0350 (Tracy)	
Fast Lane tobacco	157	Dorene Pace	683 Mountain Parkway	(606) 349-8017	(606) 226-2693	
Vision Quest videos and tanning	158	Jodie Miller, Owner	600 Mountain Parkway; P.O. Box 347	(606) 349-2412	(606) 496-6150	<a href="mailto:bodyshop89@yahoo.com">bodyshop89@yahoo.com</a>
Family Dollar	159	Lance Stephens, Manager	730 E. Mountain Parkway	(606) 887-3051	(606) 367-1772	<a href="mailto:lance.stephens@icloud.com">lance.stephens@icloud.com</a>
Save A Lot	162	Kimberly Bolen, Night Manager	735 Mountain Parkway	(606) 349-8616	(606) 792-2101 (Diane Grimm, General Manager)	
Former Boot Barn/Future East Ky PT	164		759 E. Mountain Parkway			
Action Storage	166		802 Mountain Parkway	(606) 349-4300		
Tender Care Pediatrics	168	Diana Craft, Office Manager; Dr. Antoin Hana, Owner	906 E. Mountain Parkway	(606) 349-8400 (pediatrics); (606) 349-7474 (family health)	(606) 791-2800	<a href="mailto:dcraft@frontiermedical.org">dcraft@frontiermedical.org</a>
Frontier Medical Associates Family Health	168	Diana Craft, Office Manager; Dr. Antoin Hana, Owner	906 E. Mountain Parkway	(606) 349-8400 (pediatrics); (606) 349-7474 (family health)	(606) 791-2800	<a href="mailto:dcraft@frontiermedical.org">dcraft@frontiermedical.org</a>
Burning Fork Community Church	169	Kenneth Conley; Pastor Doug Dunn	521 Old Burning Fork Rd. NOTE: Emergency services/911 has	(606) 349-6400	(606) 349-3156	

			apparently changed their address, but guy did not have new address at hand			
BP	171	Ron Prewitt, Director of Business Development ; Heather Burton, PR and Advertising	114 E. Main St.	(606) 349-7994	(606) 791-2800; (606) 634-5125 (Ron); (606) 634-1727 (Heather)	rprewitt@doublekwik.com; hburton@doublekwik.com
Trans-Star Ambulance Service	178	Lindsey Gibson, Manager; Russell Parsons, Property Owner	1100 E. Mountain Parkway	(606) 349-7827	(606) 477-2966 (Russell Parsons); (606) 369-5865	<a href="mailto:lgibson@transstarambulance.com">lgibson@transstarambulance.com</a>
Magoffin County High School/Board of Education	181	Tony Skaggs, Principal; Chris Meadows, Assistant Principal	11XX E. Mountain Parkway	(606) 349-2011	(606) 367-9688 (Tony Skaggs); (606) 477-2213 (Chris Meadows)	tony.skaggs@magoffin.kyschools.us; chris.meadows@magoffin.kyschools.us
Puckett's Truck Stop	182		114 E. Mountain Parkway	(606) 349-2508; Miles Puckett 794-6707	(606) 791-2800	
Eastern Kentucky Physical Therapy	184	Kim Trusty, Office Manager; Philip Bentley, Owner	1250 E. Mountain Parkway; planning to move to 757 E. Mountain Parkway	(606) 349-8284; Mike Patrick (606) 349-5920	(606) 634-8800 (Philip Bentley)	
Faith Freewill Baptist Church	194		438 E. Mountain Parkway	(606) 349-3636	(606) 791-2800	
Magoffin Co. Cooperative Extension Board	198	Lacy May, 4-H Agent	15 Rockhouse Fork Rd.	(606) 349-3216	(606) 548-2363	<a href="mailto:lacy.may@uky.edu">lacy.may@uky.edu</a>

Wyn Industries	202		1485 Old Burning Fork Rd.	(606) 349-3261	(606791-2800	
Storage Rentals of America	203	Chris Collins, Manager	1800 E. Mountain Parkway	(800) 457-5678; (606) 349-1366	(606) 231-6225	<a href="mailto:chris15collins@gmail.com">chris15collins@gmail.com</a>
Hinkle Block & Masonry	204		66 New Paintsville Rd.	(606) 349-7625	(606) 477-0189 (Pat Wills)	paul.collins@hinkleblock.com; pat.wills@hinkleblock.com; jim.saylor@hinkleblock.com
Hinkle Block & Masonry	205	Paul Collins	66 New Paintsville Rd.	(606) 349-7625	(606) 477-0189 (Pat Wills)	paul.collins@hinkleblock.com; pat.wills@hinkleblock.com; jim.saylor@hinkleblock.com
Poor Boy's Flowers and Gifts	102 or 103	Corrine Williams	111 Gullett Dr.	(606) 349-1224	(606) 477-2311	<a href="mailto:poorboyproduce@foothills.net">poorboyproduce@foothills.net</a>
Tomahawk Transport	161 and 163	Eddie Meece (Manager); Ryan Risner (Owner)	255 Rockhouse Fork Rd.	(606) 349-7473	(606) 791-5846 (Eddie); (606) 496-6776 (Ryan)	
Don's Super Lube and Tire	179 and 213		1120 Mountain Parkway	(606) 349-3020	(606791-2800	
Hylton's Garage			601 Old Burning Fork Rd.	(606) 349-6898	(606791-2800	
Collins Electric & Plumbing			231 Rockhouse Fork Rd.	(606) 349-7709	(606791-2800	
Parkway Pharmacy		Jesse Rudd II, Pharmacist and Owner	100 Brenna Blvd. Ste. 200	(606) 349-4400	(606) 226-4444	<a href="mailto:parkwaypharmacy1@gmail.com">parkwaypharmacy1@gmail.com</a>
Highlands Primary Care/Dr. Arnett and After Hours Care		Rebecca Helton	100 Brenna Blvd., Ste. 100	(606) 349-6500; (606) 349-7200 (After Hours Care)	(606) 422-9924	<a href="mailto:rhelton@hrmc.org">rhelton@hrmc.org</a>
TLC Pediatrics		Jill Whitaker	100 Brianna Blvd.	(606) 349-3800	(606) 367-9125 (Jill W. cell)	<a href="mailto:rwhitaker@hrmc.org">rwhitaker@hrmc.org</a>
Pine Point Apartment			201 Pine Point Rd.	(606) 349-5199	(606791-2800	

s (behind parcel 138)						
Masters in Hair		Adis Williams	300 Old Burning Fork Rd.	(606) 349-1242	(606) 791-2800	
L&L Excavation/ U.S. Contracting		Kristy Cole, Office Manager	436 Brad Drive	(606) 349-1933	(606) 349-3068; (859) 940-3716, Brad Lyon-mobile	<a href="mailto:kristy.landlexca vation@gmail.com">kristy.landlexca vation@gmail.com</a>
Eagle Well Service		Russell Parsons, Owner	1080 E. Mountain Parkway	(606) 349-4141	(606) 791-2800	<a href="mailto:eaglewell@foo thills.net">eaglewell@foo thills.net</a>
Classic Auto Sales		Chris Isaac, Owner	413 E. Mountain Parkway	(606) 496-5095 (cell); (606) 496-7024 (Caroline Isaac)	(606) 791-2800	
Kentucky Farm Bureau		Doug Greene, Agency Manager	632 E. Mountain Parkway	(606) 349-2416	(606) 369-3934; (606) 349-4242 (home)	<a href="mailto:doug.greene@kyfb.com">doug.greene@kyfb.com</a>
Ranger Contracting			436 Mountain Parkway	(606) 349-7150	(606) 791-2800	
Smith Patrick Trucking			738 E. Mountain Parkway	(606) 349-3315	(606) 791-2800	

**SPECIAL NOTE**

**DEMOLITION OF IMPROVEMENTS**

**Magoffin County  
Mountain Parkway Reconstruction  
Item No. 10-166**

There are four parcels that have improvements and seven other parcels that have billboards that need to be removed per Standard Specification Section 203. The contractor shall follow 40 CFR 61 Subpart M demolition regulations (NESHAP) and KYTC -Division of Right of Way & Utilities Specification for Removal of Improvements (TC 62-16). The contractor shall contact the Division of Air Quality Hazard Regional Office located at 223 Birch Street, Suite 2, Hazard, Kentucky 41701 Phone No. 606-435-6022 for proper notification requirements prior to demolition.

The Pre-demolition Asbestos, Lead Based Paint, and Hazardous Materials Survey Report for each parcel is attached. The asbestos-containing materials (ACM) has been remediated by KYTC. Other hazardous materials will need to be handled and disposed of in accordance with applicable EPA regulations (40 CFR 273.9 and 40 CFR 260.10).

The following parcels have improvements that need to be demolished:

P174 – 1 commercial building & 1 commercial sign	Sheet R77
P179 – 1 commercial building <del>&amp; 1 apartment</del>	Sheet R29, R31
P182 – 1 commercial building, 1 canopy, storage trailer and 2 commercial signs	Sheet R79
P200 – 1 mobile home & 2 storage buildings	Sheet R51

The following parcels have billboards that need to be removed:

P147 - 2 billboards	Sheet R19, R21
P176 - 2 billboards	Sheet R27, R29
P178 - 1 billboard	Sheet R29
P181 - 1 billboard	Sheet R79
P186 - 1 billboard	Sheet R81
P197 - 1 billboard	Sheet R37
P205 - 2 billboards	Sheet R47

## ***SPECIAL NOTE***

### Specification for Contaminated Soils Removal

#### Magoffin County US 460 / Mountain Parkway Reconstruction Item No. 10-166.00

Background. Environmental professionals working for KYTC have undertaken limited soil sampling and site reconnaissance to identify known or potential contaminated materials. Where site reconnaissance identified areas of obvious contamination—areas with stained soils or stressed vegetation—that will warrant removal of soil, soil samples were not taken. Where results of visual inspection were uncertain but the areas appeared suspect, samples were taken. Both efforts identified soils that will need to be removed and disposed of in a landfill certified to accept contaminated soils.

Available Documents. There are four documents attached:

- A. A summary of assumed quantities based on both the limited soil samples and the visual inspection.
- B. A PDF of a PowerPoint presentation summarizing results of Limited Phase II work.
- C. The location and results of the soil samples are documented in a report titled “Limited Phase II Site Investigation Report,” May 26, 2015. Appendices are not included in proposal but will be available at contractor’s request.
- D. NFA (No Further Action) closure letter from the Kentucky Division of Waste Management’s UST Branch for Parcel 117.

Contractor responsibilities. The contractor will be responsible for removing, transporting, and disposing of contaminated soils, backfill the sites as needed, and abiding by all applicable environmental laws.

Specifically, the contractor shall have an Environmental Professional<sup>1</sup> identify (1) where, based on the above reports and on-site professional judgement, the limits of the contaminated soil are, and (2) differentiate that which needs to be disposed of into a certified landfill and that which does not require such disposal. Professional judgement is anticipated to suffice, and confirmation soil samples are not anticipated. For each site, the contractor will, with the

<sup>1</sup> For the purposes of this task, “environmental professional” means either (A) the ASTM 1527 definition as described in 40 CFR 312.10. <https://www.law.cornell.edu/cfr/text/40/312.10> or (B) being pre-qualified by KYTC for Hazmat Remediation Services <http://transportation.ky.gov/Professional-Services/Prequalified%20Firms/Environmental%20and%20UST%20Services.pdf>



assistance of the Environmental Professional, document the contaminated soil removal through photographs, site diagrams, a signed manifest from the receiving facility, and a summary letter to the KYTC that describes the methodology and actions taken and completed.

Underground Storage Tanks (USTs). KYTC has removed from the project impact limits three sets of USTs —Parcels 117, 127 and 182. KYTC has received a NFA (No Further Action) closure letter from the Kentucky Division of Waste Management’s UST Branch for Parcel 117. The closure letters for the other two sites has not yet been received, therefore, potential exists the UST Branch will require additional sampling. If additional sampling is required, KYTC will perform the sampling. If the results of the sampling requires disposal of contaminated materials, the contractor will be instructed to remove, and any additional quantity will be paid for by contaminated soil disposal bid item.

Measurement:

The Department will measure the removal of contaminated soil by ~~cubic yard~~ ton. The use of an Environmental Professional is incidental to the removal.

Payment:

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

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
<del>2183</del>	<del>Contaminated Soil Disposal</del>	<del>Cubic Yard</del>
24867EC	Contaminated Soil Removal	Ton

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



Drawn by: NGB    Print Date: 02/09/15  
 Prepared For: KYTC  
 ETC File: LV2014008

**Legend**

**Stream Type**

- Ephemeral
- Intermittent
- Permanent
- Waste Area 1
- Wetlands
- Project Footprint



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### Project Impact Stations Map A

**KY 114/US 460 Widening  
 #10-0166.00, MP12 - MP15  
 Magoffin County, KY**

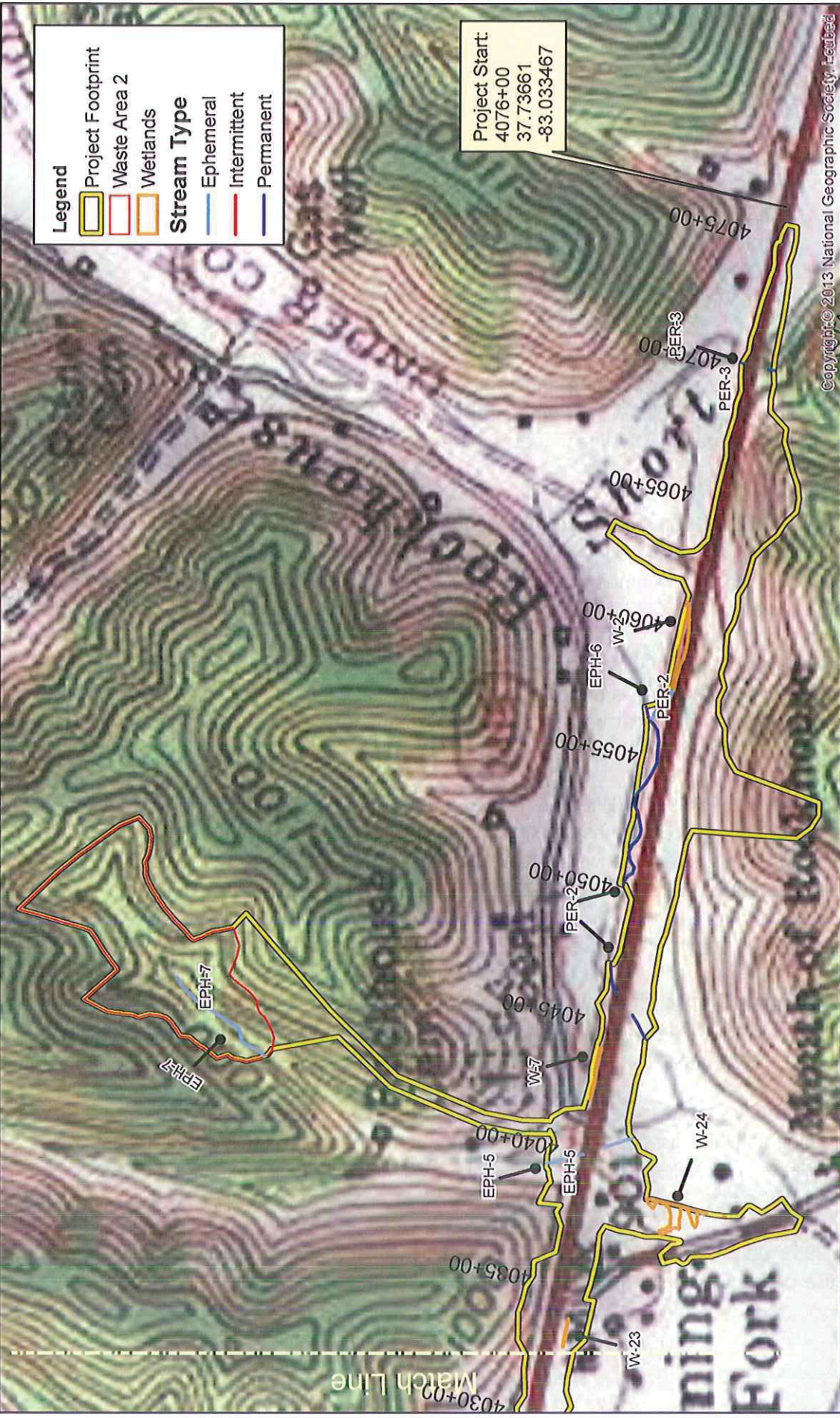
1:6,200



Imagery Source: USGS Topographic Maps



**Project Start:**  
 3928+00  
 37.740048  
 -83.057793



**Legend**

- Project Footprint
- Waste Area 2
- Wetlands

**Stream Type**

- Ephemeral
- Intermittent
- Permanent

Project Start:  
 4076+00  
 37.73661  
 -83.033467

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Drawn by: NGB    Print Date: 02/09/15  
 Prepared For: KYTC  
 ETC File: LV2014008

### Project Impact Stations Map C

**KY 114/US 460 Widening  
 #10-0166.00, MP12 - MP15  
 Magoffin County, KY**

1:6,200



Imagery Source: USGS Topographic Maps



# **GENERAL UTILITY NOTES AND INSTRUCTIONS APPLICABLE TO ALL UTILITY WORK MADE A PART OF THE ROAD CONSTRUCTION CONTRACT**

The contractor should be aware the following utility notes and KYTC Utility Bid Item Descriptions shall supersede, replace and take precedence over any and all conflicting information that may be contained in utility owner supplied specifications contained in the contract, on plans supplied by the utility owner, or any utility owner specifications or information externally referenced in this contract.

Where information may have been omitted from these notes, bid item descriptions, utility owner supplied specifications or plans; the KYTC Standard Specifications for Road and Bridge Construction shall be referenced.

## **PROTECTION OF EXISTING UTILITIES**

The existing utilities shown on the plans are shown as best known at the time the plans were developed and are to be used as a guide only by the Contractor. The Contractor shall use all means at his disposal to accurately locate all existing utilities, whether shown on the plans or not, prior to excavation. The contractor shall protect these utilities during construction. Any damage to existing utilities during construction that are shown or not shown on the plans shall be repaired at the Contractor's expense.

## **PREQUALIFIED UTILITY CONTRACTORS**

Some utility owners may require contractors that perform relocation work on their respective facilities as a part of the road contract be prequalified or preapproved by the utility owner. Those utility owners with a prequalification or preapproval requirement are as follows:

Salyersville Water Works  
401 College St.  
Salyersville, KY 41465  
(606)349-3743

Magoffin County Water District  
P.O. Box 490  
Salyersville, KY 41465  
(606)349-6812

Kentucky Frontier Gas  
2963 KY-321  
Prestonsburg, KY 41653  
(606)886-2431

The bidding contractor needs to review the above list and choose from the list of approved subcontractors at the end of these general notes as identified above before bidding. When the list of approved subcontractors is provided, only subcontractors shown on the following list(s) will be allowed to work on that utility as a part of this contract.

When the list of approved subcontractors for the utility work is not provided in these general notes, the utility work can be completed by the prime contractor. If the prime contractor chooses to subcontract the work, the subcontractor shall be prequalified with the KYTC Division of Construction Procurement in the work type of "Utilities" (I33). Those who would like to become prequalified may contact the Division of Construction Procurement at (502) 564-3500. Please note: it could take up to 30 calendar days for prequalification to be approved. The prequalification does not have to be approved prior to the bid, but must be approved before the subcontract will be approved by KYTC and the work can be performed.

#### CONTRACT ADMINISTRATION RELATIVE TO UTILITY WORK

All utility work is being performed as a part of a contract administered by KYTC; there is not a direct contract between the utility contractor and utility owner. The KYTC Section Engineer is ultimately responsible for the administration of the road contract and any utility work included in the contract.

#### SUBMITTALS AND CORRESPONDENCE

All submittals and correspondence of any kind relative to utility work included in the road contract shall be directed to the KYTC Section Engineer, a copy of which may also be supplied to the utility owner by the contractor to expedite handling of items like material approvals and shop drawings. All approvals and correspondence generated by the utility owner shall be directed to the KYTC Section Engineer. The KYTC Section Engineer will relay any approvals or correspondence to the utility contractor as appropriate. At no time shall any direct communication between the utility owner and utility contractor without the communication flowing through the KYTC Section Engineer be considered official and binding under the contract.

#### ENGINEER

Where the word "Engineer" appears in any utility owner specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the "Engineer" is the Kentucky Transportation Cabinet (KYTC) Section Engineer or designated representative and the utility owner engineer or designated representative jointly. Both engineers must mutually agree upon all decisions made with regard to the utility construction. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

### INSPECTOR OR RESIDENT PROJECT REPRESENTATIVE

Where the word “Inspector” or “Resident Project Representative” appears in the utility specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the “Inspector” or “Resident Project Representative” is the utility owner inspector and KYTC inspector jointly. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

### NOTICE TO UTILITY OWNERS OF THE START OF WORK

One month before construction is to start on a utility, the utility contractor shall make notice to the KYTC Section Engineer and the utility owner of when work on a utility is anticipated to start. The utility contractor shall again make confirmation notice to the KYTC Section Engineer and the utility owner one week before utility work is to actually start.

### UTILITY SHUTDOWNS

The Contractor shall not shut down any active and in-service mains, utility lines or services for any reason unless specifically given permission to do so by the utility owner. The opening and closing of valves and operating of other active utility facilities for main, utility line or utility service shut downs are to be performed by the utility owner unless specific permission is given to the contractor by the owner to make shutdowns. If and when the utility owner gives the contractor permission to shutdown mains, utility lines or utility services, the contractor shall do so following the rules, procedures and regulations of the utility owner. Any permission given by the utility owner to the contractor to shutdown active and in-service mains, utility lines or services shall be communicated to the KYTC Section Engineer by the utility owner that such permission has been given.

Notice to customers of utility shut downs is sometimes required to be performed by the utility contractor. The contractor may be required; but, is not limited to, making notice to utility customers in a certain minimum amount of time in advance of the shut down and by whatever means of communication specified by the utility owner. The means of communication to the customer may be; but is not limited to, a door hanger, notice by newspaper ad, telephone contact, or any combination of communication methods deemed necessary, customary and appropriate by the utility owner. The contractor should refer to the utility owner specifications for requirements on customer notice.

Any procedure the utility owner may require the contractor to perform by specification or plan note and any expense the contractor may incur to comply with the utility owner’s shut down procedure and notice to customers shall be considered an incidental expense to the utility construction.

CUSTOMER SERVICE AND LATERAL ABANDONMENTS When temporary or permanent abandonment of customer water, gas, or sewer services or laterals are necessary during relocation of utilities included in the contract, the utility contractor shall perform these abandonments as part of the contract as incidental work. No separate payment will be made for service line and lateral abandonments. The contractor shall provide all labor, equipment and materials to accomplish the temporary or permanent abandonment in accordance with the plans, specifications and/or as directed by the engineer. Abandonment may include, but is not limited to, digging down on a water or gas main at the tap to turn

off the tap valve or corporation stop and/or capping or plugging the tap, digging down on a sewer tap at the main and plugging or capping the tap, digging down on a service line or lateral at a location shown on the plans or agreeable to the engineer and capping or plugging, or performing any other work necessary to abandon the service or lateral to satisfactorily accomplish the final utility relocation.

### STATIONS AND DISTANCES

All stations and distances, when indicated for utility placement in utility relocation plans or specifications, are approximate; therefore, some minor adjustment may have to be made during construction to fit actual field conditions. Any changes in excess of 6 inches of plan location shall be reviewed and approved jointly by the KYTC Section Engineer or designated representative and utility owner engineer or designated representative. Changes in location without prior approval shall be remedied by the contractor at his own expense if the unauthorized change creates an unacceptable conflict or condition.

### RESTORATION

Temporary and permanent restoration of paved or stone areas due to utility construction shall be considered incidental to the utility work. No separate payment will be made for this work. Temporary restoration shall be as directed by the KYTC Section Engineer. Permanent restoration shall be "in-kind" as existing.

Restoration of seed and sod areas will be measured and paid under the appropriate seeding and sodding bid items established in the contract for roadway work.

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BELOW ARE NOTES FOR WHEN "INST" ITEMS ARE IN THE CONTRACT MEANING THE UTILITY COMPANY IS PROVIDING CERTAIN MATERIALS FOR UTILITY RELOCATION

### MATERIAL

Contrary to Utility Bid Item Descriptions, those bid items that have the text "**Inst**" at the end of the bid item will have the major components of the bid item provided by the utility owner. No direct payment will be made for the major material component(s) supplied by the utility company. All remaining materials required to construct the bid item as detailed in utility bid item descriptions, in utility specifications and utility plans that are made a part of this contract will be supplied by the contractor. The contractor's bid price should reflect the difference in cost due to the provided materials.

The following utility owners have elected to provide the following materials for work under this contract:

#### Salyersville Water Works

SWW has obtained the proposed Submersible Wastewater Pumping Station-Salyersville Parkway Lift Station.

This Lift Station will be stored at the Salyersville Wastewater Treatment Plant located at 1809 Highway 460 West, Salyersville, KY. The pickup of this station must be coordinated with Shawn Rowe, (606) 367-4716.

Magoffin County Water District and Kentucky Frontier Gas

**No materials are being supplied by the utility owner(s). All materials are to be supplied by the contractor per bid item descriptions, utility specifications and utility plans.**

#### SECURITY OF SUPPLIED MATERIALS

If any utility materials are to be supplied by the utility owner, it will be the responsibility of the utility contractor to secure all utility owner supplied materials after delivery to the project site. The utility contractor shall coordinate directly with the utility owner and their suppliers for delivery and security of the supplied materials. Any materials supplied by the utility owner and delivered to the construction site that are subsequently stolen, damaged or vandalized and deemed unusable shall be replaced with like materials at the contractor's expense.



LIST OF APPROVED SUBCONTRACTORS

**Salyersville Water Work's Water and Sewer  
and  
Magoffin County Water District**

**Martin Contracting, Inc.**

2371 Irvine Rd.  
Richmond, KY 40475  
ATN: Shawn Martin  
Cell: 606-305-6434  
Email: [shmartin1@bellsouth.net](mailto:shmartin1@bellsouth.net)<mailto:shmartin1@bellsouth.net>

**H2O Construction Company Inc.**

470 Ziegler Drive  
Pikeville, KY 41501  
ATN: Steve Lockhart  
Cell: 606-477-4392  
Email: [stevel\\_h2o@hotmail.com](mailto:stevel_h2o@hotmail.com)

**DS Underground Utilities**

PO Box 820  
Salyersville, KY 41465  
ATN: Danny Smith  
Cell: 606-205-8315  
Email: [smtdann@aol.com](mailto:smtdann@aol.com)

**G & W Construction**

6730 Flemingsburg Road  
Morehead, KY 40351  
ATN: Darrell Alderman  
Phone: 606-784-2396  
Email: [Gandwconst@gandwconstructioncompany.com](mailto:Gandwconst@gandwconstructioncompany.com)

**L & L (Lyons and Lovely)**

436 Brad Drive,  
Salyersville, KY 41465  
ATN: Kenney Lovely  
Phone: 606-496-5305

## Kentucky Frontier Gas

### **Martin Contracting, Inc.**

2371 Irvine Rd.  
Richmond, KY 40475  
ATN: Shawn Martin  
Cell: 606-305-6434  
Email: [shmartin1@bellsouth.net](mailto:shmartin1@bellsouth.net)<mailto:shmartin1@bellsouth.net>

### **BOCA Enterprises Inc.**

7435 Ky RT 321  
Hager Hill, KY 41222  
ATN: Kirby Bowling  
Cell: 606-454-1694  
Email: [kirbybowling@yahoo.com](mailto:kirbybowling@yahoo.com)<mailto:kirbybowling@yahoo.com>

### **Drains Unlimited**

PO Box 957  
Prestonsburg, KY 41653  
ATN: Michael Pennington  
Cell: 606-434-8304  
Email: [mjpennington76@yahoo.com](mailto:mjpennington76@yahoo.com)

### **DS Underground Utilities**

PO Box 820  
Salyersville, KY 41465  
ATN: Danny Smith  
Cell: 606-205-8315  
Email: [smtdann@aol.com](mailto:smtdann@aol.com)



**Stantec Consulting Services Inc.**  
10509 Timberwood Circle, Suite 100, Louisville KY 40223-5301

May 11, 2016  
File: 178564013

Mr. Tom Springer  
Qk4, Inc.  
1046 East Chestnut Street  
Louisville, Kentucky 40204

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Puckett's Truck Stop, Parcel 182  
1165 East Mountain Parkway, Salyersville, Kentucky**

Dear Mr. Springer:

Stantec Consulting Services Inc. (Stantec) appreciates the opportunity to provide you with the following asbestos-containing materials (ACM), lead-based paint (LBP), and hazardous materials survey report. The survey was performed at the property referenced above on April 25, 2016. The location is automotive service shop and gas station (herein referred to as the Subject Property).

The purpose of this survey is to evaluate for the presence of ACMs, LBP, and hazardous materials that would require special handling and/or disposal in accordance with applicable federal, state, and local regulations.

## **BACKGROUND**

At the request of the Kentucky Transportation Cabinet (KYTC), Stantec performed a pre-demolition ACM, LBP, and hazardous materials survey of accessible materials in support of the planned demolition of the Subject Property.

Stantec understands that the Subject Property is scheduled for a complete demolition and removal of all buildings and pumping facilities. Stantec observed the following structures at the Subject Property:

- Automotive Shop - The structure consists of a wooden exterior with metal and glass on the windows and doors. The roof is covered by asphalt shingles and anodized metal. Typical interior improvements include gypsum board and joint compound walls and ceilings, tile and carpet flooring, wooden and plastic siding on interior walls, and unfinished concrete floors. Several types of caulk and mastic are used to seal the exterior.

## **PROJECT PERSONNEL**

The survey was performed on April 25, 2016, by Mr. Shane Kelley, Stantec Environmental Scientist and Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) Accredited Building Inspector (#116-01-0174). A survey of LBP and inventory of other hazardous materials was conducted by Ms. Lindsay Conley, Stantec Biologist, and Mr. Shane Kelley.



May 11, 2016  
KYTC  
Page 2 of 11

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

## **SUSPECT ASBESTOS-CONTAINING MATERIALS**

Asbestos is a potential health hazard capable of causing respiratory system fibrosis and various forms of systemic cancers. Its condition, handling, and disposal are regulated by federal, state, and local agencies. Materials that contain asbestos generally do not pose a health threat unless the asbestos fibers are disturbed by renovation, construction, or demolition, and may then become airborne and inhaled.

The EPA defines a homogeneous area as a surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture. The use or application of the homogeneous area is also used to identify suspect ACMs. The EPA and OSHA define ACM as any material that contains more than one percent (by weight) of asbestos (>1%). Only one sample from a homogeneous area with an asbestos concentration >1% is required to collectively identify that material as an ACM. The EPA additionally categorizes ACM as follows:

- Category I non-friable ACM – asbestos-containing packings, gaskets, resilient floor covering, and asphalt roofing products containing more than 1% asbestos as determined using the PLM method.
- Category II non-friable ACM – any material, excluding Category I non-friable ACM, containing more than 1% asbestos as determined using the PLM method that, when dry, cannot be crumbled, pulverized, or reduced to powder by hand pressure.
- Regulated asbestos-containing material (RACM) – (a) Friable asbestos material, (b) Category I non-friable ACM that has become friable, (c) Category I non-friable ACM that will be or has been subjected to sanding, grinding, cutting, or abrading, or (d) Category II non-friable ACM that has a high probability of becoming or has become crumbled, pulverized, or reduced to powder by the forces expected to act on the material in the course of demolition or renovation operations regulated by this subpart.

Potential asbestos exposure in construction is regulated when construction, alteration, repair, maintenance, renovation, or demolition of structures, substrates, or portions thereof contain asbestos [29 CFR 1926.1101 (a)(3)].

### **Sampling and Analysis**

Stantec conducted a pre-demolition survey of materials at the Subject Property in order to identify suspect ACMs in general accordance with the Asbestos Hazard Emergency Response Act sampling guidelines as outlined in 40 CFR Part 763. The location, condition, friability, and the potential for suspect ACMs to be impacted (i.e. disturbed) was assessed and documented. Bulk samples of readily accessible suspect ACMs were collected. Consistent with building demolition and renovation regulatory requirements, building material sampling was conducted regardless of the age and/or condition of the structure.

A total of 54 bulk samples were collected from 18 homogeneous areas at the Subject Property. The samples were analyzed by Polarized Light Microscopy (PLM) in accordance with the EPA "Method for the Determination of Asbestos in Bulk Building Materials" (EPA/600/R93/116, July 1993). In accordance with the methods described in 40 CFR 61, subpart E, Appendix E, all PLM sample results



May 11, 2016  
 KYTC  
 Page 3 of 11

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
 Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
 Stantec Project #: 178564013.200.006**

identified to be positive for asbestos <10% were point counted using gravimetric preparation methods at 400 points. The non-friable organically bound samples were also analyzed using Transmission Electron Microscopy (TEM). Analysis was performed by EMSL Analytical, Inc. (EMSL) located in Cinnaminson, New Jersey. This laboratory is a participant in the Environmental Laboratory Accreditation Program (ELAP No. 1877) and the National Institute of Standards and Testing, National Voluntary Laboratory Accreditation Program. The laboratory is also accredited by the American Industrial Hygiene Association.

**Findings**

Table 1 provides a summary of the suspect materials identified and sampled during this survey. The table includes the OSHA definition and the EPA category, as applicable.

**Table 1 – Asbestos Bulk Sample Results**

Sample No.	Homogeneous Area	Location of Material	Asbestos Content	Condition	Quantity Estimate	OSHA Definition	EPA Category
1A 1B 1C	Vinyl Floor Tile, Green/Blue/ White	Living Room	ND	Poor	400 SF	NA	NA
2A 2B 2C	Vinyl Floor Tile, Tan	Living Room	ND	Poor	400 SF	NA	NA
3A 3B 3C	Vinyl Floor Tile, Tan	Living Room	ND	Fair	400 SF	NA	NA
4A 4B 4C	Vinyl Floor Tile, Tan/Brown	Living Room	ND	Poor	200 SF	NA	NA
5A 5B 5C	Drop Ceiling Tile, White	Tire Storage 4	ND	Fair	180 SF	NA	NA
6A 6B 6C	Vinyl Floor Tile, Red	Loft	ND	Poor	200 SF	NA	NA
7A 7B 7C	Caulk, Brown	Office	ND	Good	10 SF	NA	NA
8A 8B 8C	Caulk, Gray	Office	ND	Poor	5 SF	NA	NA
9A 9B 9C	Gypsum Board, White	Bathroom, ATV Garage	ND	Good	500 SF	NA	NA
10A 10B 10C	Joint Compound, White	Bathroom, ATV Garage	ND	Good	500 SF	NA	NA



May 11, 2016  
 KYTC  
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**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
 Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
 Stantec Project #: 178564013.200.006**

Sample No.	Homogeneous Area	Location of Material	Asbestos Content	Condition	Quantity Estimate	OSHA Definition	EPA Category
11A 11B 11C	Ceiling Texture, White	ATV Shop	ND	Good	600 SF	NA	NA
12A 12B 12C	Gypsum Board, White	ATV Shop	ND	Good	600 SF	NA	NA
<b>13A 13B 13C</b>	<b>Vinyl Floor Tile, Tan</b>	<b>Closet</b>	<b>7.9% (by point count)</b>	<b>Poor</b>	<b>40 SF</b>	<b>ACM</b>	<b>Cat II</b>
14A 14B 14C	Floor Tile Mastic	Closet	ND	Good	40 SF	NA	NA
15A 15B 15C	Roof Shingle, Black	Roof	ND	Good	800 SF	NA	NA
16A 16B 16C	Roof Mastic, Black	Roof	ND	Good	15 SF	NA	NA
<b>17A 17B 17C</b>	<b>Roof Mastic, Black</b>	<b>Roof</b>	<b>16.2% (by TEM)</b>	<b>Poor</b>	<b>35 SF</b>	<b>ACM</b>	<b>Cat II</b>
18A 18B 18C	Caulk, Tan/Clear	Roof	ND	Good	2 SF	NA	NA

Notes and Abbreviations:

SF = Square Feet  
 EA = Each  
 ND = Non-Detect  
 NA = Not Applicable  
 ACM = Asbestos Containing Material  
 Cat II = Category II Non-friable

Bulk sample logs and laboratory analytical results are provided in Attachment A; a sample location diagram is provided in Attachment B; and a photographic log is provided in Attachment C.

**SUSPECT LEAD-BASED PAINTS**

Lead is a potential health hazard. Its condition, handling, and disposal are regulated by federal, state, and local agencies. Lead in paint generally does not pose a health threat unless the material is disturbed or sufficiently deteriorated to produce dust, which may become airborne and inhaled or ingested. Contractors working in the facility should be informed of the type and the location of lead-containing materials. Applicable Federal regulations may apply depending on the work being performed.

Pursuant to EPA regulations, LBP is defined as paint or other surface coatings containing an amount of lead equal to or greater than one milligram per square centimeter (1.0 mg/cm<sup>2</sup>) or more than



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 KYTC  
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**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
 Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
 Stantec Project #: 178564013.200.006**

half of one percent [ $>0.5\%$  or 5,000 parts per million(ppm)] by weight. Additionally, worker exposure to materials containing lead during construction work is regulated by the Federal OSHA [29 CFR 1926.62(a)]. This regulation requires worker protection during construction "...where lead or materials containing lead are present."

**Sampling and Analysis**

The definitions of paint condition are dependent on the location of the paint and component involved. Table 2 illustrates how Housing and Urban Development (HUD) categorizes paint condition under various circumstances.

**Table 2 – HUD Categories of Paint Film Quality**

Type of Building Component	Total Area of Deteriorated Paint		
	Intact	Fair	Poor
Exterior components with large surface areas	Entire Surface is Intact	Less than or equal to 10 square feet	More than 10 square feet
Interior components with large surface areas (walls, ceilings, floors, doors)	Entire Surface is Intact	Less than or equal to 2 square feet	More than 2 square feet
Interior and exterior components with small surface areas (window sills, baseboards, soffits, trim)	Entire Surface is Intact	Less than or equal to 10 percent of the total surface area of the component	More than 10 percent of the total surface area of the component

Stantec assessed the condition of painted surfaces of the Subject Property to collect paint chip samples of painted surfaces observed to be in fair and/or poor condition as defined within Chapter 5 of the United States, HUD guidelines. Collected samples would be analyzed using Flame Atomic Absorption Spectrometry following the EPA SW 846-7000B/7420 analytical protocol.

**Findings**

There were no painted surfaces within the building nor on the Subject Property observed to be in fair or poor condition; therefore, no bulk paint chip samples were collected or analyzed.

**OTHER HAZARDOUS MATERIALS**

Stantec performed a visual inspection of existing building equipment for the presence of other hazardous materials and Universal Wastes [pursuant to 40 CFR 273.9, and 40 CFR 260.10]. The survey was limited to above grade only, and did not include a soil or subsurface investigation. Materials evaluated as part of this inspection included: Polychlorinated Biphenyl (PCB)-containing units such as lighting ballasts and PCB-containing electrical units (i.e., electrical transformers); lead-containing units such as car batteries or emergency exit sign batteries; fluorescent lighting tubes; mercury-containing units such as light switches and thermostats; refrigerants, halon, and other Chlorofluorocarbons (CFCs) such as fire extinguishing systems and Freon® used in association with building drinking fountains; heavy metals as may be found in cooling tower water treatment systems; solvents, paints, fuel (storage tanks), lubricants, and other associated maintenance and cleaning products; radioactive materials that may be contained in units such as smoke detectors,



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**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

emergency exit signs, or medical equipment; office materials, supplies, and equipment such as computer monitors and printing supplies, and miscellaneous materials such as unlabeled materials or substances of concern.

Stantec's visual inspection was limited to fixtures and equipment in the Subject Property that were readily accessible. Assessment of these hazardous materials was based solely on the identification placards on the equipment or general knowledge of historical use. If the presence and/or absence of a particular material was not clearly marked, then that piece of equipment was assumed to contain a concentration of the material in question. No sample collection was performed in the process of identifying other hazardous materials or Universal Wastes.

The following is a partial summary of current federal and state regulations that contain requirements related to hazardous materials. These summaries are not intended to be all-inclusive and do not contain every aspect of the regulations discussed.

**EPA Regulations (40 CFR 273.9 and 40 CFR 260.10)**

The EPA regulations (40 CFR 273.9 and 40 CFR 260.10) provide standards for universal waste management and hazardous waste management systems. The EPA regulations specify requirements for managing the following hazardous materials: batteries; pesticides; mercury-containing equipment; lamps; and household and conditionally exempt small quantity generator waste. In addition to the EPA universal waste regulations, the following federal regulations may also include, but not be limited to the following:

- Applicable Federal Occupational Safety and Health regulations
- Title 40, Code of Federal Regulations, Part 261 – Identification and Listing of Hazardous Waste
- Title 40, Code of Federal Regulations, Part 262 – Standards Applicable to Generators of Hazardous Waste
- Title 40, Code of Federal Regulations, Part 264 – Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
- Title 40, Code of Federal Regulations, Part 265 – Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
- Title 49, Code of Federal Regulations, Parts 100-199 – Transportation of Hazardous Materials
- Title 40, Code of Federal Regulations, Part 268 – Land Disposal Restrictions
- Title 40, Code of Federal Regulations, Part 761 – Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions
- National Emissions Standards for Hazardous Air Pollutants

**PCBs**

Fourteen PCB-containing light ballasts were observed on the Subject Property.





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KYTC  
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**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

### **Mercury**

There were 24 four foot fluorescent light tubes and 10 eight foot fluorescent light tube were present on the Subject Property.

### **Ozone-Depleting Substances**

No air conditioning units or similar equipment were observed on the Subject Property. Therefore, the Subject Property is assumed to not contain any ozone depleting refrigerant (i.e. Freon®).

### **Radioactive Materials**

Smoke detectors typically utilize a small radioactive source as a key component in detecting smoke particles. EPA regulations require smoke detectors to be disposed of at a nuclear waste facility or returned directly to the manufacturer. Four smoke detectors were observed within accessible areas of the Subject Property.

Exit signs that glow in the dark often contain a radioactive gas called tritium. These signs do not require electricity or batteries and can be used where it is hard to install electric signs, such as above doors. They serve an important safety function by marking exits to be used during power outages and emergencies. The signs pose little or no threat to public health and safety or security. *Tritium exit signs must NOT be disposed of as normal trash.* To dispose of a sign properly, a general licensee must transfer the sign to a specific licensee, such as a manufacturer, distributor, licensed radioactive waste broker, or licensed low-level radioactive waste disposal facility. There were no exit signs observed on the Subject Property.

### **Batteries**

Batteries are required to be recycled and/or disposed of in accordance with applicable hazardous waste regulations. No batteries or battery-operated equipment was observed at the Subject Property.

## **RECOMMENDATIONS**

### Asbestos-Containing Materials

Based on the findings of this survey, asbestos-containing materials were identified in two materials on the Subject Property. OSHA requires employers to implement specific work practices, which protect workers from airborne asbestos exposure, when materials are found to contain detectable concentrations of asbestos. Building materials, which contain even low levels of asbestos (trace amounts), can potentially generate concentrations of airborne asbestos fibers when disturbed. Therefore, control measures should be instituted by those disturbing ACMs which adequately address worker health and safety during planned renovation or demolition activities involving these materials.

It is recommended that ACMs be removed by a licensed abatement contractor prior to renovation, refurbishing, or demolition activities. If the entire area of asbestos containing material is not affected by renovation, refurbishing, or demolition activities, spot abatement of the material could be completed. This would entail only abating the affected areas.



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KYTC  
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**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

It should be noted however, that the asbestos survey was limited to accessible materials only and did not include underground utilities operating conveyance equipment or inaccessible areas. Historically, some underground utility piping has been known to contain asbestos (e.g. Transite pipe). If renovation/demolition of portions of the Subject Property includes removal of on-site portions of underground utilities (storm drains, sewer, domestic water laterals, etc.), evaluation of the asbestos content of these components must be performed prior to the removal process. Suspect materials identified in these locations are assumed positive for asbestos until sampling and analysis indicates otherwise. If during the course of a renovation/demolition project suspect ACMs are discovered that are not included within this report, those materials are to be assumed positive for asbestos unless additional sampling, analysis, and/or assessment indicates otherwise.

Lead-Based Paint

No paint samples were taken as there were no observed painted surfaces observed to be in fair or poor condition on the Subject Property. If during the course of a renovation/demolition project, suspect LBPs are discovered that are not included within this report, those materials are to be assumed positive for lead unless additional sampling, analysis, and/or assessment indicates otherwise.

Other Hazardous Materials

Fourteen PCB-containing light ballasts and 34 light tubes were identified on the Subject Property.

**LIMITATIONS**

Reasonable efforts have been made by Stantec personnel to locate, sample, and/or identify suspect ACMs, LBPs, and hazardous materials associated with the Subject Property. For any facility, the existence of unique or concealed materials and debris is a possibility. In addition, sampling and laboratory analysis constraints typically hinder the investigation. Stantec does not warrant, guarantee, or profess to have the ability to locate or identify all hazardous materials in a facility. The survey is limited in nature, as only full demolition of the Subject Property will reveal all concealed conditions. Stantec cannot warrant the effectiveness or damage thereof, at any of the patches or temporary repairs performed at sampling locations. This report is intended for use in planning based on the agreed upon scope of work. This report is not intended to be a bidding document. Quantities of materials identified are estimates only and would need to be verified. If during the course of a renovation/demolition project suspect ACMs, LBPs, and/or hazardous materials are discovered that are not included within this report, those materials should be treated accordingly until additional sampling, analysis, and/or assessment can be performed.

Additionally, the passage of time may result in a change in the environmental characteristics at the Subject Property. This report does not warrant against future operations or conditions that could affect the recommendations made. The results, findings, conclusions, and recommendations expressed in this report are based only on conditions that were observed during Stantec's survey of the Subject Property and test results provided by EMSL Analytical, Inc. These observations are time dependent, are subject to changing site conditions, and revisions to federal, state, and local regulations. Reliance on this letter report by Third Parties (i.e., other than KYTC) shall be at the Third Party's sole risk.



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KYTC  
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**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

When we conclude that a material is or is not ACM, based on laboratory analyses of samples, we are stating that there is likelihood that constituents of suspect material are accurately characterized by samples procured. We cannot conclude categorically that sampled material is represented by analyzed samples. If one sample of material from a homogenous area is found to be ACM, the material is judged to be ACM. However, if sampling and laboratory analysis indicate that no asbestos was detected, we cannot guarantee that this material is asbestos-free. If you have any questions regarding this report or require further clarification, please do not hesitate to contact the Stantec personnel identified below.

Regards,

STANTEC CONSULTING SERVICES INC.

Prepared by:

A handwritten signature in blue ink that reads "Shane Kelley".

Shane Kelley  
Environmental Scientist  
KY Asbestos Inspector # 116-01-0174  
Phone: (502) 212-5021  
[Shane.kelley@stantec.com](mailto:Shane.kelley@stantec.com)

Technical Peer Review by:

A handwritten signature in blue ink that reads "Jason Stagno".

Jason Stagno  
Senior Scientist  
EPA AHERA Building Inspector  
EPA AHERA Management Planner  
Phone: (805) 719-9392  
[Jason.stagno@stantec.com](mailto:Jason.stagno@stantec.com)

Approved by:

A handwritten signature in black ink that reads "John Watrous".

John Watrous  
Senior Environmental Scientist  
KY Asbestos Inspector # 115-11-2963  
Phone: (502) 212-5014  
[John.watrous@stantec.com](mailto:John.watrous@stantec.com)

Attachments:      A: Laboratory Analytical Results and Bulk Sample Logs  
                          B: Sample Location Diagram  
                          C: Photographic Log  
                          D: Personnel Certifications

# **Attachment A**

## **Laboratory Analytical Results and Bulk Sample Logs**



EMSL ANALYTICAL, INC.  
 LABORATORY PRODUCTS TRAINING

**Asbestos Chain of Custody**  
**EMSL Order Number** (Lab Use Only).

041610874

PHONE:  
 FAX:

<b>Company Name :</b> Stantec Consulting		<b>EMSL Customer ID:</b>	
<b>Street:</b> 10509 Timberwood Circle		<b>City:</b> Louisville	<b>State/Province:</b> Kentucky
<b>Zip/Postal Code:</b> 40223	<b>Country:</b> USA	<b>Telephone #:</b> 502-212-5021	<b>Fax #:</b> 502-212-5055
<b>Report To (Name):</b> Shane Kelley		<b>Please Provide Results:</b> <input type="checkbox"/> Fax <input checked="" type="checkbox"/> Email	
<b>Email Address:</b> shane.kelley@stantec.com		<b>Purchase Order:</b>	
<b>Project Name/Number:</b> Mountain Parkway Expansion/178564013		<b>EMSL Project ID (Internal Use Only):</b>	
<b>U.S. State Samples Taken:</b> Kentucky		<b>CT Samples:</b> <input type="checkbox"/> Commercial/Taxable <input type="checkbox"/> Residential/Tax Exempt	
<b>EMSL-Bill to:</b> <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different - if Bill to is Different note instructions in Comments** <small>Third Party Billing requires written authorization from third party</small>			
<b>Turnaround Time (TAT) Options* - Please Check</b>			
<input type="checkbox"/> 3 Hour	<input type="checkbox"/> 6 Hour	<input type="checkbox"/> 24 Hour	<input checked="" type="checkbox"/> 48 Hour
<input type="checkbox"/> 72 Hour	<input type="checkbox"/> 96 Hour	<input type="checkbox"/> 1 Week	<input type="checkbox"/> 2 Week
<small>*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.</small>			
<b>PCM - Air</b> <input type="checkbox"/> Check if samples are from NY		<b>TEM - Air</b> <input type="checkbox"/> 4-4.5hr TAT (AHERA only)	
<input type="checkbox"/> NIOSH 7400		<input type="checkbox"/> AHERA 40 CFR, Part 763	
<input type="checkbox"/> w/ OSHA 8hr. TWA		<input type="checkbox"/> NIOSH 7402	
<b>PLM - Bulk (reporting limit)</b>		<input type="checkbox"/> EPA Level II	
<input checked="" type="checkbox"/> PLM EPA 600/R-93/116 (<1%)		<input type="checkbox"/> ISO 10312	
<input type="checkbox"/> PLM EPA NOB (<1%)		<b>TEM - Bulk</b>	
Point Count		<input type="checkbox"/> TEM EPA NOB	
<input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> NYS NOB 198 4 (non-friable-NY)	
Point Count w/Gravimetric		<input type="checkbox"/> Chatfield SOP	
<input type="checkbox"/> 400 (<0.25%) <input type="checkbox"/> 1000 (<0.1%)		<input type="checkbox"/> TEM Mass Analysis-EPA 600 sec 2 5	
<input type="checkbox"/> NYS 198.1 (friable in NY)		<b>TEM - Water:</b> EPA 100.2	
<input type="checkbox"/> NYS 198 6 NOB (non-friable-NY)		Fibers >10µm <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<input type="checkbox"/> NYS 198.8 SOF-V		All Fiber Sizes <input type="checkbox"/> Waste <input type="checkbox"/> Drinking	
<input type="checkbox"/> NIOSH 9002 (<1%)		<b>TEM - Dust</b>	
		<input type="checkbox"/> Microvac - ASTM D 5755	
		<input type="checkbox"/> Wipe - ASTM D6480	
		<input type="checkbox"/> Carpet Sonication (EPA 600/J-93/167)	
		<b>Soil/Rock/Vermiculite*</b>	
		<input type="checkbox"/> PLM CARB 435 - A (0.25% sensitivity)	
		<input type="checkbox"/> PLM CARB 435 - B (0 1% sensitivity)	
		<input type="checkbox"/> TEM CARB 435 - B (0 1% sensitivity)	
		<input type="checkbox"/> TEM CARB 435 - C (0 01% sensitivity)	
		<input type="checkbox"/> TEM Qual. via Filtration Technique	
		<input type="checkbox"/> TEM Qual. via Drop-Mount Technique	
		<small>*Can not accept New York State Loose Fill Vermiculite Samples</small>	
		<b>Other:</b>	
		<input type="checkbox"/>	
<input type="checkbox"/> Check For Positive Stop - Clearly Identify Homogenous Group		<b>Filter Pore Size (Air Samples):</b> <input type="checkbox"/> 0.8µm <input type="checkbox"/> 0.45µm	
<b>Samplers Name:</b> Shane Kelley		<b>Samplers Signature:</b> <i>Shane Kelley</i>	
<b>Sample #</b>	<b>Sample Description</b>	<b>Volume/Area (Air) HA # (Bulk)</b>	<b>Date/Time Sampled</b>
	See Attached Logs		16 APR 27 AM 11:21 MAGOFFIN COUNTY, NJ
<b>Client Sample # (s):</b> 1A - 18C		<b>Total # of Samples:</b> 54	
<b>Relinquished (Client):</b> <i>Shane Kelley</i>		<b>Date:</b> 4-26-16	<b>Time:</b> 4:44
<b>Received (Lab):</b> VC-FX		<b>Date:</b> 4-27-16	<b>Time:</b> 10:10
<b>Comments/Special Instructions:</b>			

54



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
Project #: 178564013 Task #: 200.006 Site Address: 1165 E Mountain Parkway Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	1
Material Type:	tile
Color:	green/blue/white
Description:	
Estimated Total Qty.:	400 sf

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
2	living room		P
2	living room		P
2	living room		P

SAMPLES	
Sample #	Sample Location
A	living room
B	living room
C	living room
D	
E	
F	
G	

Notes:

16 APR 27 AM 11:21  
CHINA MINSON, NJ

HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	Low Med <input checked="" type="radio"/>	High
Vibration:	Low Med <input checked="" type="radio"/>	High
Air Movement:	Low Med <input checked="" type="radio"/>	High

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_



041610874

# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion  
Project #: 178564013 Task #: 200.006

Site Name: Parcel 182  
Site Address: 1165 E Mountain Parkway  
Salyersville, Kentucky

Date: 4/25/16  
Inspector: S. Kelley

MATERIAL	
HA#	2
Material Type:	tile
Color:	tan
Description:	Square pattern
Estimated Total Qty.:	400 sf

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
2	living room		P
2	living room		P
2	living room		P

SAMPLES	
Sample #	Sample Location
2 A	living room
2 B	living room
2 C	living room
D	
E	
F	
G	

Notes:

RECEIVED  
EMSL  
CINNATI MINNISON, NJ  
16 APR 27 AM 11:21

HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	Low	Med <input checked="" type="radio"/> High
Vibration:	<input checked="" type="radio"/> Low	Med High
Air Movement:	<input checked="" type="radio"/> Low	Med High

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_

Page 2 of 18



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion  
Project #: 178564013  
Task #: 200.006  
Site Name: Parcel 182  
Site Address: 1165 E Mountain Parkway  
Salyersville, Kentucky

Date: 4/25/16  
Inspector: S. Kelley

MATERIAL	
HA#	3
Material Type:	tile
Color:	tan
Description:	
Estimated Total Qty.:	400 SF

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
2	living room		
2	living room		
2	living room		

SAMPLES	
Sample #	Sample Location
3 A	living room
3 B	living room
3 C	living room
D	
E	
F	
G	

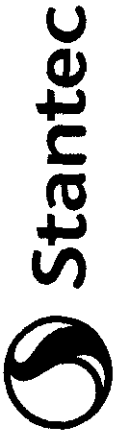
Notes:

RECEIVED  
EMSL  
DINNAMINSON, NJ  
16 APR 27 AM 11:21

HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	Low	Med <input checked="" type="radio"/>
Vibration:	<input checked="" type="radio"/> Low	Med High
Air Movement:	<input checked="" type="radio"/> Low	Med High

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_





# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
 Louisville, KY 40223  
 Tel: (502) 212-5000  
 Fax: (502) 212-5055

MAGOFFIN COUNTY  
 TGR 0061(064)

Project Name: Mountain Parkway Expansion      Site Name: Parcel 182      Date: 4/25/16  
 Project #: 178564013      Task #: 200.006      Site Address: 1165 E Mountain Parkway      Inspector: S. Kelley  
 :      :      Salyersville, Kentucky

MATERIAL	
HA#	4
Material Type:	tile
Color:	tan/brwn
Description:	Square design
Estimated Total Qty.:	200 SF

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
2	Dining room		P
2	Dining room		P
2	Dining room		P

SAMPLES	
Sample #	Sample Location
4 A	Dining room
4 B	Dining room
4 C	Dining room
D	
E	
F	
G	

Notes:

EMSL  
 WINNAMINSON, NJ  
 16 APR 27 AM 11:21

HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	Low	Med <input checked="" type="radio"/> High
Vibration:	<input checked="" type="radio"/> Low	Med High
Air Movement:	<input checked="" type="radio"/> Low	Med High

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Page 4 of 18  
 Contract ID: 161033  
 Page 15 of 65  
 ADDED ADDENDUM #1: 6-14-16



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
Project #: 178564013 Task #: 200.006 Site Address: 1165 E Mountain Parkway Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	<u>5</u>
Material Type:	<u>Ceiling tile</u>
Color:	<u>White</u>
Description:	
Estimated Total Qty.:	<u>180 SF</u>

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
<u>2</u>			<u>F</u>
<u>2</u>			<u>F</u>
<u>2</u>			<u>F</u>

SAMPLES	
Sample #	Sample Location
<u>S A</u>	<u>fire Storage</u>
<u>S B</u>	<u>fire Storage</u>
<u>S C</u>	<u>fire Storage</u>
<u>D</u>	
<u>E</u>	
<u>F</u>	
<u>G</u>	

Notes:

RECEIVED  
EMSL  
CIRRAMINSON, NJ  
16 APR 27 AM 11:21

HAZARD ASSESSMENT		
	Yes	No
Friable:		<u>No</u>
Contact by Maintenance:	<u>Low</u>	<u>High</u>
Vibration:	<u>Low</u>	<u>High</u>
Air Movement:	<u>Low</u>	<u>High</u>

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_  
Page 5 of 18



# Asbestos Bulk Sample Log

08/16/0874

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
Project #: 178564013 Task #: 200.006 Site Address: 1165 E Mountain Parkway Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	<u>6</u>
Material Type:	<u>fire floor</u>
Color:	<u>Red</u>
Description:	<u>brick pattern</u>
Estimated Total Qty.:	<u>200 SF</u>

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
<u>2</u>			<u>P</u>
<u>2</u>			<u>P</u>
<u>2</u>			<u>P</u>

SAMPLES	
Sample #	Sample Location
<u>6 A</u>	<u>fire Storage</u>
<u>6 B</u>	<u>fire storage</u>
<u>6 C</u>	<u>fire Storage</u>
<u>D</u>	
<u>E</u>	
<u>F</u>	
<u>G</u>	

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16 APR 27 AM 11:21

Notes:

HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	Low Med High	<input checked="" type="radio"/> High
Vibration:	Low Med High	<input checked="" type="radio"/> Low
Air Movement:	Low Med High	<input checked="" type="radio"/> Low

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_  
Page 6 of 18



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
Project #: 178564013 Task #: 200.006 Site Address: 1165 E Mountain Parkway Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	7
Material Type:	chalk
Color:	brown
Description:	
Estimated Total Qty.:	10 SF

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
1	Office		

SAMPLES	
Sample #	Sample Location
7 A	Office
7 B	Office
7 C	Office
D	
E	
F	
G	

Notes:

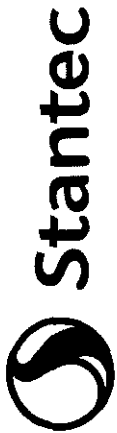
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16 APR 27 AM 11:21

HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	<input checked="" type="radio"/> Low	Med High
Vibration:	<input checked="" type="radio"/> Low	Med High
Air Movement:	<input checked="" type="radio"/> Low	Med High

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_

OrderID: 041610874

Page 7 of 18



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion    Site Name: Parcel 182    Date: 4/25/16  
Project #: 178564013    Task #: 200.006    Site Address: 1165 E Mountain Parkway    Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	8
Material Type:	CAULK
Color:	Gray
Description:	
Estimated Total Qty.:	5 SF

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
1	Office		F
1	Office		F
1	Office		F

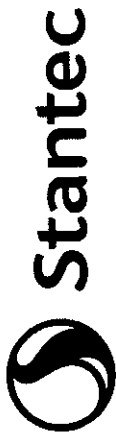
SAMPLES	
Sample #	Sample Location
8 A	Office
8 B	Office
8 C	Office
D	
E	
F	
G	

Notes:

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HAZARD ASSESSMENT	
Friable:	Yes <input checked="" type="checkbox"/>
Contact by Maintenance:	Low <input checked="" type="checkbox"/> Med <input type="checkbox"/> High <input type="checkbox"/>
Vibration:	Low <input checked="" type="checkbox"/> Med <input type="checkbox"/> High <input type="checkbox"/>
Air Movement:	Low <input checked="" type="checkbox"/> Med <input type="checkbox"/> High <input type="checkbox"/>

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_



# Asbestos Bulk Sample Log

04/16/16

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion

Site Name: Parcel 182

Date: 4/25/16

Project #: 178564013

Site Address: 1165 E Mountain Parkway

Inspector: S. Kelley

Salyersville, Kentucky

MATERIAL	
HA#	9
Material Type:	gypsum board
Color:	white
Description:	
Estimated Total Qty.:	500 sq Ft

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
1			
1			
1			

SAMPLES	
Sample #	Sample Location
9	Att Bathroom
9	Att Bathroom
9	Att Bathroom
D	
E	
F	
G	

Notes:

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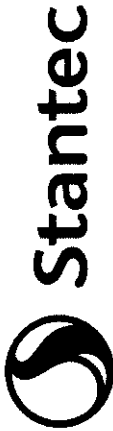
HAZARD ASSESSMENT		
	Yes	No
Friable:	Yes	No
Contact by Maintenance:	Low	Med High
Vibration:	Low	Med High
Air Movement:	Low	Med High

Relinquished By:

Date:

Received By:

Date:



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
 Louisville, KY 40223  
 Tel: (502) 212-5000  
 Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
 Project #: 178564013 Task #: 200.006 Site Address: 1165 E Mountain Parkway Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	<u>10</u>
Material Type:	<u>Joint Compound</u>
Color:	<u>White</u>
Description:	<u>Associated w/ HA #9</u>
Estimated Total Qty.:	<u>500 sq ft</u>

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
<u>1</u>			
<u>1</u>			
<u>1</u>			

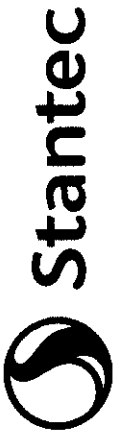
SAMPLES	
Sample #	Sample Location
<u>10 A</u>	<u>ATV bathroom</u>
<u>10 B</u>	<u>ATV bathroom</u>
<u>10 C</u>	<u>ATV bathroom</u>
<u>D</u>	
<u>E</u>	
<u>F</u>	
<u>G</u>	

Notes:

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HAZARD ASSESSMENT	
Friable:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
Contact by Maintenance:	High <input checked="" type="checkbox"/> Med <input checked="" type="checkbox"/> Low <input type="checkbox"/>
Vibration:	High <input checked="" type="checkbox"/> Med <input type="checkbox"/> Low <input type="checkbox"/>
Air Movement:	High <input checked="" type="checkbox"/> Med <input type="checkbox"/> Low <input type="checkbox"/>

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion  
Project #: 178564013  
Task #: 200.006  
Site Name: Parcel 182  
Site Address: 1165 E Mountain Parkway  
Salyersville, Kentucky

Date: 4/25/16  
Inspector: S. Kelley

MATERIAL	
HA#	11
Material Type:	ceiling texture
Color:	white
Description:	
Estimated Total Qty.:	600 SF

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
1	Att Shop		

SAMPLES	
Sample #	Sample Location
11 A	Att Shop
11 B	Att Shop
11 C	Att Shop
D	
E	
F	
G	

Notes:

HAZARD ASSESSMENT		
	Yes	No
Friable:	<input checked="" type="radio"/>	<input type="radio"/>
Contact by Maintenance:	<input checked="" type="radio"/> Low	<input type="radio"/> Med <input type="radio"/> High
Vibration:	<input checked="" type="radio"/> Low	<input type="radio"/> Med <input type="radio"/> High
Air Movement:	<input checked="" type="radio"/> Low	<input type="radio"/> Med <input type="radio"/> High

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_





# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
 Louisville, KY 40223  
 Tel: (502) 212-5000  
 Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
 Project #: 178564013 Task #: 200.006 Inspector: S. Kelley  
 : Salyersville, Kentucky

MATERIAL	
HA#	<u>12</u>
Material Type:	<u>gypsum board</u>
Color:	<u>white</u>
Description:	
Estimated Total Qty.:	<u>LOW SF</u>

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
<u>1</u>	<u>Att Shop</u>		

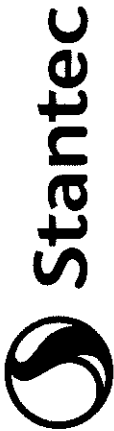
SAMPLES	
Sample #	Sample Location
<u>12 A</u>	<u>Att Shop</u>
<u>12 B</u>	<u>Att Shop</u>
<u>12 C</u>	<u>Att Shop</u>
<u>D</u>	
<u>E</u>	
<u>F</u>	
<u>G</u>	

Notes:

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HAZARD ASSESSMENT	Yes	No
	Friable:	<input checked="" type="radio"/>
Contact by Maintenance:	<input checked="" type="radio"/> Low	Med High
Vibration:	<input checked="" type="radio"/> Low	Med High
Air Movement:	<input checked="" type="radio"/> Low	Med High

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_  
 Page 12 of 16



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

MAGOFFIN COUNTY  
TGR 0061(064)

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
Project #: 178564013 Task #: 200.006 Site Address: 1165 E Mountain Parkway Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	B
Material Type:	file
Color:	tan
Description:	2x12in
Estimated Total Qty.:	40sf

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
1			

SAMPLES	
Sample #	Sample Location
B A	closet
B B	
B C	
D	
E	
F	
G	

HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	Low	Med <input checked="" type="radio"/> High
Vibration:	Low <input checked="" type="radio"/>	Med High
Air Movement:	Low <input checked="" type="radio"/>	Med High

Notes:

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Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_  
Page 13 of 18  
Contract ID: 161033  
Page 24 of 65  
ADDED ADDENDUM #1: 6-14-16





Stantec

# Asbestos Bulk Sample Log

04/16/18 74

MAGOFFIN COUNTY  
TGR 0061(066)  
10509 Timberwood Circle, Suite 1000  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion  
Project #: 178564013  
Task #: 200.006  
Site Name: Parcel 182  
Site Address: 1165 E Mountain Parkway  
Salyersville, Kentucky  
Date: 4/25/16  
Inspector: S. Kelley

MATERIAL	
HA#	15
Material Type:	Roof Shingle.
Color:	Black
Description:	
Estimated Total Qty.:	800 sq ft

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
R			G

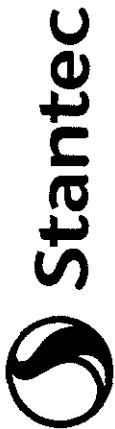
SAMPLES	
Sample #	Sample Location
15 A	ROOF
15 B	ROOF
15 C	ROOF
D	
E	
F	
G	

Notes:

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HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	<input checked="" type="radio"/> Low	Med High
Vibration:	<input checked="" type="radio"/> Low	Med High
Air Movement:	Low	<input checked="" type="radio"/> Med High

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_  
Page 15 of 18



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
 Louisville, KY 40223  
 Tel: (502) 212-5000  
 Fax: (502) 212-5055

MAGOFFIN COUNTY  
 TGR 0061(064)

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
 Project #: 178564013 Task #: 200.006 Site Address: 1165 E Mountain Parkway Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	16
Material Type:	Roof mstr
Color:	Black
Description:	
Estimated Total Qty.:	15 sq ft

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
2			G

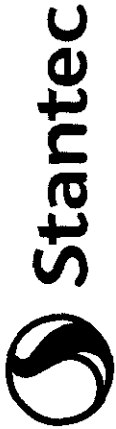
SAMPLES	
Sample #	Sample Location
16 A	Roof
16 B	Roof
16 C	Roof
D	
E	
F	
G	

HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	<input checked="" type="radio"/> Low	Med High
Vibration:	<input checked="" type="radio"/> Low	Med High
Air Movement:	Low	<input checked="" type="radio"/> Med High

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Notes:

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_



# Asbestos Bulk Sample Log

10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

MAGOFFIN COUNTY  
TGR 0061(064)

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
Project #: 178564013 Task #: 200.006 Site Address: 1165 E Mountain Parkway Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	17
Material Type:	Roof mastic
Color:	Black
Description:	
Estimated Total Qty.:	35 sq ft

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
R	Roof		P

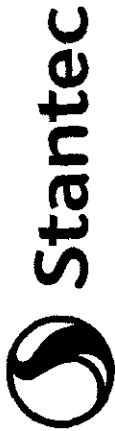
SAMPLES	
Sample #	Sample Location
17 A	Roof
17 B	Roof
17 C	Roof
D	
E	
F	
G	

HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	<input checked="" type="radio"/> Low	<input type="radio"/> Med <input type="radio"/> High
Vibration:	<input checked="" type="radio"/> Low	<input type="radio"/> Med <input type="radio"/> High
Air Movement:	<input type="radio"/> Low	<input checked="" type="radio"/> Med <input type="radio"/> High

Notes:

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Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_  
Page 17 of 18  
Contract ID: 161033  
Page 28 of 65  
ADDED ADDENDUM #1: 6-14-16



# Asbestos Bulk Sample Log

04/16/09

MAGOFFIN COUNTY  
TGR 0061(064)  
10509 Timberwood Circle, Suite 100  
Louisville, KY 40223  
Tel: (502) 212-5000  
Fax: (502) 212-5055

Project Name: Mountain Parkway Expansion Site Name: Parcel 182 Date: 4/25/16  
Project #: 178564013 Task #: 200.006 Site Address: 1165 E Mountain Parkway Inspector: S. Kelley  
Salyersville, Kentucky

MATERIAL	
HA#	18
Material Type:	Gravel
Color:	tan/clear
Description:	
Estimated Total Qty.:	2 sq ft

MATERIAL LOCATIONS			
Floor #	Location	Quantity Estimate	Cond.
2			G

SAMPLES	
Sample #	Sample Location
18 A	Roof
18 B	Roof
18 C	Roof
D	
E	
F	
G	

Notes:

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HAZARD ASSESSMENT		
	Yes	No
Friable:		<input checked="" type="radio"/>
Contact by Maintenance:	<input checked="" type="radio"/> Low	<input type="radio"/> Med <input type="radio"/> High
Vibration:	<input checked="" type="radio"/> Low	<input type="radio"/> Med <input type="radio"/> High
Air Movement:	<input type="radio"/> Low <input checked="" type="radio"/> Med	<input type="radio"/> High

Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_ Date: \_\_\_\_\_

Page 18 of 19

Order ID: 041610874  
MAGOFFIN COUNTY  
TGR 0061(064)  
Thanks

041610874



**Paula Kotowski | Customer Service Representative**  
**EMSL Analytical, Inc.** | 200 Route 130 North | Cinnaminson, NJ 08077  
Phone: 856-858-4800 Ext. 2303 | Fax: 856-786-5975 | Toll Free: 800-220-3675

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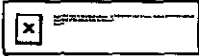
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**From:** Kelley, Shane [<mailto:Shane.Kelley@stantec.com>]  
**Sent:** Thursday, April 28, 2016 1:34 PM  
**To:** Customer Service  
**Subject:** Further Analysis on Order # 041610874

I need point counts @ 400 points completed on samples 13A, 17A, 17B, 17C on a one day turnaround time.  
Thanks.

4

**Shane Kelley**  
Environmental Scientist  
Stantec  
10509 Timberwood Circle Suite 100 Louisville KY 40223-5308  
Phone: (502) 212-5021  
Cell: (502) 269-8994  
[shane.kelley@stantec.com](mailto:shane.kelley@stantec.com)



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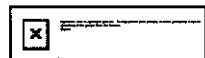
## Christy, Sherry

---

**From:** Kelley, Shane <Shane.Kelley@stantec.com>  
**Sent:** Thursday, April 28, 2016 2:13 PM  
**To:** Christy, Sherry  
**Subject:** RE: Further Analysis on Order # 041610874

Yes we would like gravimetric prep. Thanks Sherry!

  
**Shane Kelley**  
Environmental Scientist  
Stantec  
10509 Timberwood Circle Suite 100 Louisville KY 40223-5308  
Phone: (502) 212-5021  
Cell: (502) 269-8994  
shane.kelley@stantec.com



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**From:** Christy, Sherry [<mailto:schristy@EMSL.com>]  
**Sent:** Thursday, April 28, 2016 2:12 PM  
**To:** Kelley, Shane  
**Subject:** FW: Further Analysis on Order # 041610874

Hi Shane,

Do you want this with gravimetric prep? They are NOB samples.

Thanks,

Sherry



**Sherry Christy | Administrative Assistant**  
**EMSL Analytical, Inc.** | 200 Route 130 North | Cinnaminson, NJ 08077  
Phone: 856-303-2585 | Fax: 856-786-5973 | Toll Free: 800-220-3675  
Lab Hours: Mon-Friday 7AM-10PM, Saturday 8AM-5PM, Sunday On-Call

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---

**From:** Kotowski, Paula  
**Sent:** Thursday, April 28, 2016 2:10 PM  
**To:** Customer Service; Corporate - Asbestos Login  
**Subject:** FW: Further Analysis on Order # 041610874

Please see request



**EMSL Analytical, Inc.**

200 Route 130 North Cinnaminson, NJ 08077  
Phone/Fax: (800) 220-3675 / (856) 786-5974  
<http://www.EMSL.com> / [cinnasblab@EMSL.com](mailto:cinnasblab@EMSL.com)

EMSL Order ID: 041610874 Page 32 of 65  
Customer ID: STKY42  
Customer PO:  
Project ID:

**Attn:** Shane Kelley Phone: (502) 212-5021  
Stantec Fax:  
10509 Timberwood Circle Collected: 4/25/2016  
Louisville, KY 40223 Received: 4/27/2016  
Analyzed: 4/29/2016

**Proj:** 178564013 / Task: 200.006 / Mountain Parkway Expansion / Parcel 182 / 1165 E Mountain Parkway Salyersville, Kentucky

**Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116**

**Client Sample ID:** 1A **Lab Sample ID:** 041610874-0001  
**Sample Description:** Living Room/Tile Green/Blue/White

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	White/Blue/Green	60%	40%	None Detected	

**Client Sample ID:** 1B **Lab Sample ID:** 041610874-0002  
**Sample Description:** Living Room/Tile Green/Blue/White

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	White/Blue/Green	60%	40%	None Detected	

**Client Sample ID:** 1C **Lab Sample ID:** 041610874-0003  
**Sample Description:** Living Room/Tile Green/Blue/White

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	White/Blue/Green	70%	30%	None Detected	

**Client Sample ID:** 2A **Lab Sample ID:** 041610874-0004  
**Sample Description:** Living Room/Tile Tan

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Tan	35%	65%	None Detected	

**Client Sample ID:** 2B **Lab Sample ID:** 041610874-0005  
**Sample Description:** Living Room/Tile Tan

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Tan	35%	65%	None Detected	

**Client Sample ID:** 2C **Lab Sample ID:** 041610874-0006  
**Sample Description:** Living Room/Tile Tan

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Tan	43%	57%	None Detected	

**Client Sample ID:** 3A **Lab Sample ID:** 041610874-0007  
**Sample Description:** Living Room/Tile Tan

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Tan	40%	60%	None Detected	



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Customer PO:  
Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** 3B **Lab Sample ID:** 041610874-0008

**Sample Description:** Living Room/Tile Tan

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Tan	40%	60%	None Detected	

**Client Sample ID:** 3C **Lab Sample ID:** 041610874-0009

**Sample Description:** Living Room/Tile Tan

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Tan	38%	62%	None Detected	

**Client Sample ID:** 4A **Lab Sample ID:** 041610874-0010

**Sample Description:** Dining Room/Tile Tan/Brown

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Brown/Tan	50%	50%	None Detected	

**Client Sample ID:** 4B **Lab Sample ID:** 041610874-0011

**Sample Description:** Dining Room/Tile Tan/Brown

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Brown/Tan	50%	50%	None Detected	

**Client Sample ID:** 4C **Lab Sample ID:** 041610874-0012

**Sample Description:** Dining Room/Tile Tan/Brown

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Brown/Tan	45%	55%	None Detected	

**Client Sample ID:** 5A **Lab Sample ID:** 041610874-0013

**Sample Description:** Tire Storage/Ceiling Tile White

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Brown/White	85%	15%	None Detected	

**Client Sample ID:** 5B **Lab Sample ID:** 041610874-0014

**Sample Description:** Tire Storage/Ceiling Tile White

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Brown/White	85%	15%	None Detected	

**Client Sample ID:** 5C **Lab Sample ID:** 041610874-0015

**Sample Description:** Tire Storage/Ceiling Tile White

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Brown/White	80%	20%	None Detected	



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Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** 6A **Lab Sample ID:** 041610874-0016

**Sample Description:** Tire Storage/Tile Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Red/Black	40%	60%	None Detected	

**Client Sample ID:** 6B **Lab Sample ID:** 041610874-0017

**Sample Description:** Tire Storage/Tile Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Red/Black	40%	60%	None Detected	

**Client Sample ID:** 6C **Lab Sample ID:** 041610874-0018

**Sample Description:** Tire Storage/Tile Floor

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Red/Black	70%	30%	None Detected	

**Client Sample ID:** 7A **Lab Sample ID:** 041610874-0019

**Sample Description:** Office/Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Black	0%	100%	None Detected	

**Client Sample ID:** 7B **Lab Sample ID:** 041610874-0020

**Sample Description:** Office/Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Brown	0%	100%	None Detected	

**Client Sample ID:** 7C **Lab Sample ID:** 041610874-0021

**Sample Description:** Office/Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Brown	0%	100%	None Detected	

**Client Sample ID:** 8A **Lab Sample ID:** 041610874-0022

**Sample Description:** Office/Caulk Gray

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Gray	0%	100%	None Detected	

**Client Sample ID:** 8B **Lab Sample ID:** 041610874-0023

**Sample Description:** Office/Caulk Gray

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Gray	0%	100%	None Detected	



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Project ID:

## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** 8C **Lab Sample ID:** 041610874-0024

**Sample Description:** Office/Caulk Gray

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Gray	0%	100%	None Detected	

**Client Sample ID:** 9A **Lab Sample ID:** 041610874-0025

**Sample Description:** ATV Bathroom/Gypsum Board White

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Brown/White	18%	82%	None Detected	

**Client Sample ID:** 9B **Lab Sample ID:** 041610874-0026

**Sample Description:** ATV Bathroom/Gypsum Board White

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Brown/White	17%	83%	None Detected	

**Client Sample ID:** 9C **Lab Sample ID:** 041610874-0027

**Sample Description:** ATV Bathroom/Gypsum Board White

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	White	23%	77%	None Detected	

**Client Sample ID:** 10A **Lab Sample ID:** 041610874-0028

**Sample Description:** ATV Bathroom/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	White	0%	100%	None Detected	

**Client Sample ID:** 10B-Joint Compound **Lab Sample ID:** 041610874-0029

**Sample Description:** ATV Bathroom/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	White	0%	100%	None Detected	

**Client Sample ID:** 10B-Tape **Lab Sample ID:** 041610874-0029A

**Sample Description:** ATV Bathroom/Tape

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Yellow	95%	5%	None Detected	

**Client Sample ID:** 10C **Lab Sample ID:** 041610874-0030

**Sample Description:** ATV Bathroom/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016				Insufficient Material	



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## Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116

**Client Sample ID:** 11A **Lab Sample ID:** 041610874-0031

**Sample Description:** ATV Shop/Ceiling Texture

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	White	0%	100%	None Detected	

**Client Sample ID:** 11B **Lab Sample ID:** 041610874-0032

**Sample Description:** ATV Shop/Ceiling Texture

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	White	0%	100%	None Detected	

**Client Sample ID:** 11C **Lab Sample ID:** 041610874-0033

**Sample Description:** ATV Shop/Ceiling Texture

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	White	0%	100%	None Detected	

**Client Sample ID:** 12A-Gypsum Board **Lab Sample ID:** 041610874-0034

**Sample Description:** ATV Shop/Gypsum Board

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Brown/White	16%	84%	None Detected	

**Client Sample ID:** 12A-Joint Compound **Lab Sample ID:** 041610874-0034A

**Sample Description:** ATV Shop/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	White	0%	100%	None Detected	

**Client Sample ID:** 12B-Gypsum Board **Lab Sample ID:** 041610874-0035

**Sample Description:** ATV Shop/Gypsum Board

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Brown/White	15%	85%	None Detected	

**Client Sample ID:** 12B-Joint Compound **Lab Sample ID:** 041610874-0035A

**Sample Description:** ATV Shop/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	White	0%	100%	None Detected	

**Client Sample ID:** 12C-Gypsum Board **Lab Sample ID:** 041610874-0036

**Sample Description:** ATV Shop/Gypsum Board

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Brown/White	15%	85%	None Detected	



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**Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116**

**Client Sample ID:** 12C-Joint Compound **Lab Sample ID:** 041610874-0036A

**Sample Description:** ATV Shop/Joint Compound

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	White	0%	100%	None Detected	

**Client Sample ID:** 13A **Lab Sample ID:** 041610874-0037

**Sample Description:** Closet/Tile Tan 12x12

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Tan	0%	96%	4% Chrysotile	
400 PLM PtCt Grav. Red.	4/29/2016	Tan	0.0%	92.1%	7.9% Chrysotile	

**Client Sample ID:** 13B **Lab Sample ID:** 041610874-0038

**Sample Description:** Closet/Tile Tan 12x12

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Tan	0%	100%	None Detected	

**Client Sample ID:** 13C **Lab Sample ID:** 041610874-0039

**Sample Description:** Closet/Tile Tan 12x12

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Tan	0%	100%	None Detected	

**Client Sample ID:** 14A **Lab Sample ID:** 041610874-0040

**Sample Description:** Closet/Tile Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Clear	0%	100%	None Detected	

**Client Sample ID:** 14B **Lab Sample ID:** 041610874-0041

**Sample Description:** Closet/Tile Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Clear	0%	100%	None Detected	

**Client Sample ID:** 14C **Lab Sample ID:** 041610874-0042

**Sample Description:** Closet/Tile Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Clear	0%	100%	None Detected	

**Client Sample ID:** 15A **Lab Sample ID:** 041610874-0043

**Sample Description:** Roof/Roof Shingle

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Red/Black	25%	75%	None Detected	



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**Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116**

**Client Sample ID:** 15B **Lab Sample ID:** 041610874-0044

**Sample Description:** Roof/Roof Shingle

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/27/2016	Red/Black	25%	75%	None Detected	

**Client Sample ID:** 15C **Lab Sample ID:** 041610874-0045

**Sample Description:** Roof/Roof Shingle

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Red/Black	30%	70%	None Detected	

**Client Sample ID:** 16A **Lab Sample ID:** 041610874-0046

**Sample Description:** Roof/Roof Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Black	15%	85%	None Detected	

**Client Sample ID:** 16B **Lab Sample ID:** 041610874-0047

**Sample Description:** Roof/Roof Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Black	15%	85%	None Detected	

**Client Sample ID:** 16C **Lab Sample ID:** 041610874-0048

**Sample Description:** Roof/Roof Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Black	30%	70%	None Detected	

**Client Sample ID:** 17A **Lab Sample ID:** 041610874-0049

**Sample Description:** Roof/Roof Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Black	0%	98%	2% Chrysotile	
400 PLM PtCt Grav. Red.	4/29/2016	Black	0.0%	92.7%	7.3% Chrysotile	

**Client Sample ID:** 17B **Lab Sample ID:** 041610874-0050

**Sample Description:** Roof/Roof Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Black	0%	97%	3% Chrysotile	
400 PLM PtCt Grav. Red.	4/29/2016	Black	0.0%	98.4%	1.6% Chrysotile	

**Client Sample ID:** 17C **Lab Sample ID:** 041610874-0051

**Sample Description:** Roof/Roof Mastic

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Black	0%	94%	6% Chrysotile	
400 PLM PtCt Grav. Red.	4/29/2016	Black	0.0%	83.8%	16.2% Chrysotile	





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**Summary Test Report for Asbestos Analysis of Bulk Material via EPA 600/R-93/116**

**Client Sample ID:** 18A **Lab Sample ID:** 041610874-0052

**Sample Description:** Roof/Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Tan/Clear	0%	100%	None Detected	

**Client Sample ID:** 18B **Lab Sample ID:** 041610874-0053

**Sample Description:** Roof/Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Tan/Clear	0%	100%	None Detected	

**Client Sample ID:** 18C **Lab Sample ID:** 041610874-0054

**Sample Description:** Roof/Caulk

TEST	Analyzed Date	Color	Non-Asbestos		Asbestos	Comment
			Fibrous	Non-Fibrous		
PLM	4/28/2016	Tan/Clear	0%	100%	None Detected	

**Analyst(s):**

- Adam Eichen PLM (38)
- Benjamin Verghese 400 PLM PtCt Grav. Red (4)
- Felix Anusiem PLM (19)

**Reviewed and approved by:**

Benjamin Ellis, Laboratory Manager  
or Other Approved Signatory

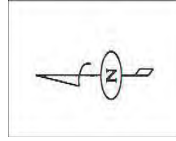
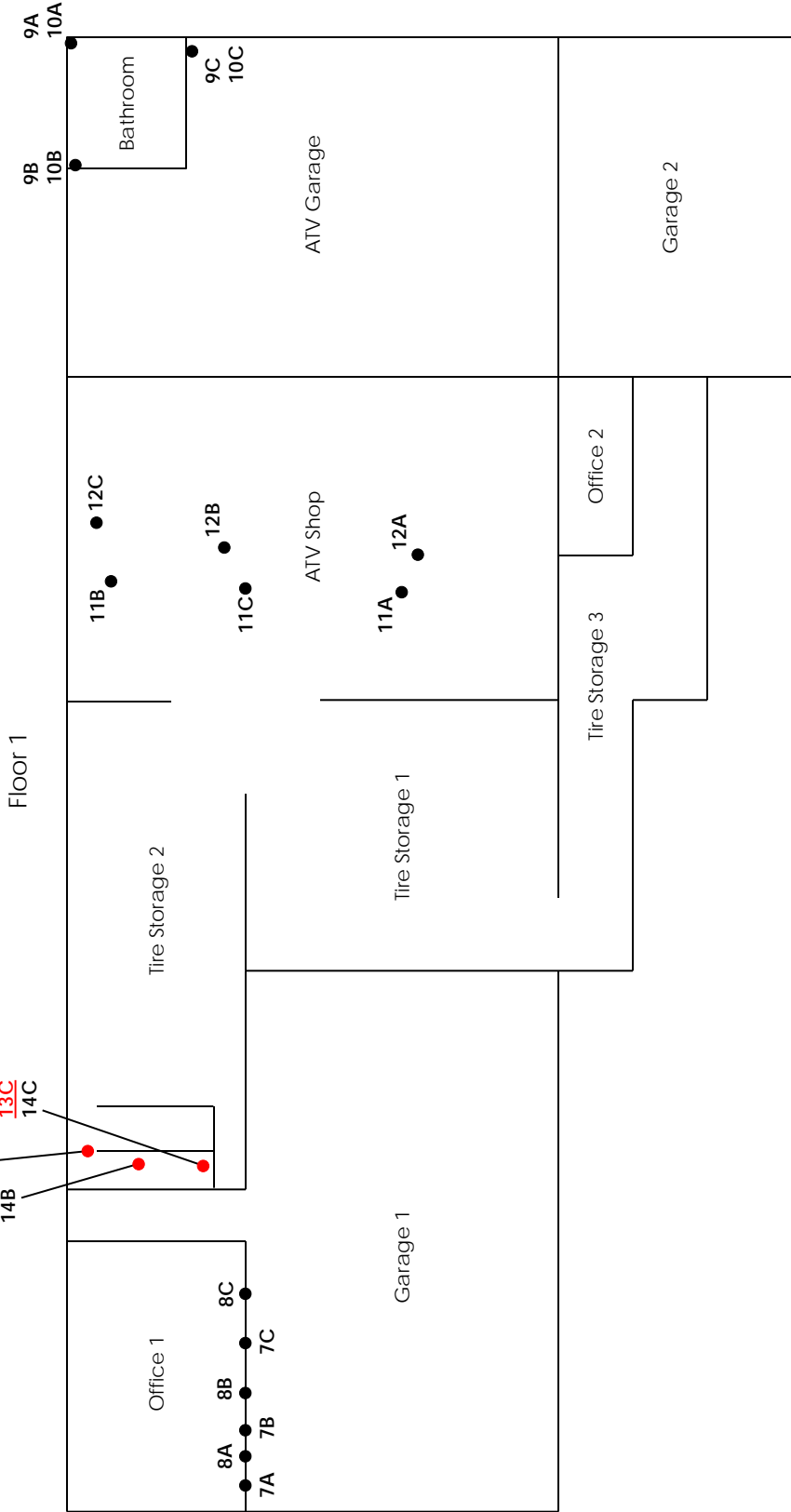
EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. This test report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government. EMSL bears no responsibility for sample collection activities or analytical method limitations. The laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples. PLM alone is not consistently reliable in detecting asbestos in floor coverings and similar NOBs

Samples analyzed by EMSL Analytical, Inc. Cinnaminson, NJ NVLAP Lab Code 101048-0, AIHA-LAP, LLC-IHLAP Lab 100194, NYS ELAP 10872, NJ DEP 03036

Report amended: 04/29/2016 16:28:03 Replaces initial report from: 04/28/2016 11:33:22 Reason Code: Client-Additional Analysis

# **Attachment B**

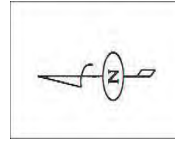
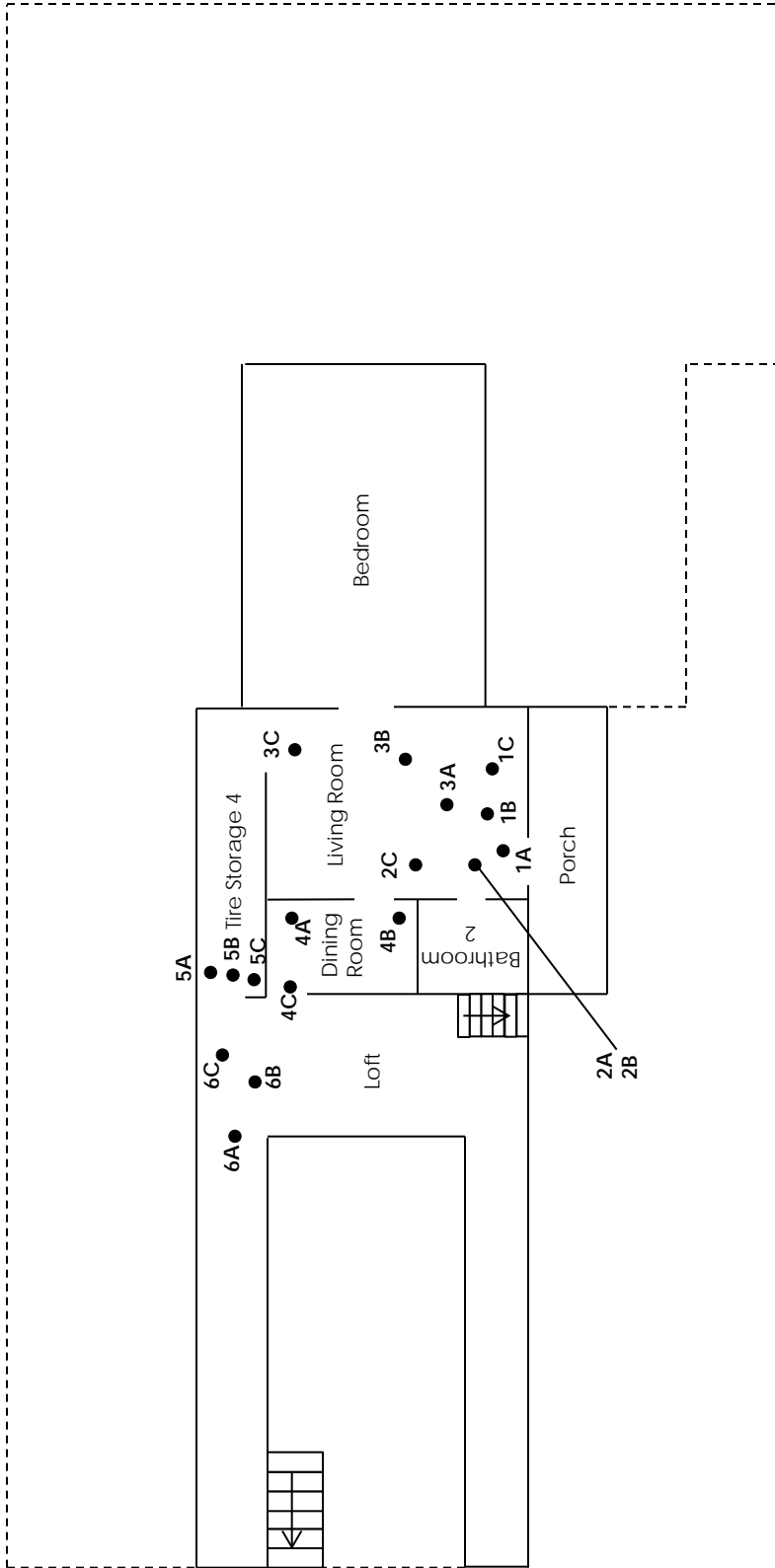
## **Sample Location Diagram**



NOT TO SCALE

	FOR:	Pre-Demolition Hazardous Materials Survey Mountain Parkway Expansion Parcel 182 - 1165 E. Mountain Parkway Salyersville, Kentucky	FIGURE:	<b>1</b>
	PROJECT NUMBER:	178564013	CHECKED BY:	JS
	DRAWN BY:	SK	APPROVED BY:	JW
			DATE:	4/27/2016

Floor 2



NOT TO SCALE

**LEGEND:**

- NON-ACM SAMPLE LOCATION

FOR: Pre-Demolition Hazardous Materials Survey  
 Mountain Parkway Expansion  
 Parcel 182 - 1165 E. Mountain Parkway  
 Salyersville, Kentucky

**ASBESTOS SAMPLE LOCATION MAP**

FIGURE:

**2**

PROJECT NUMBER:  
178564013

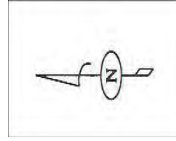
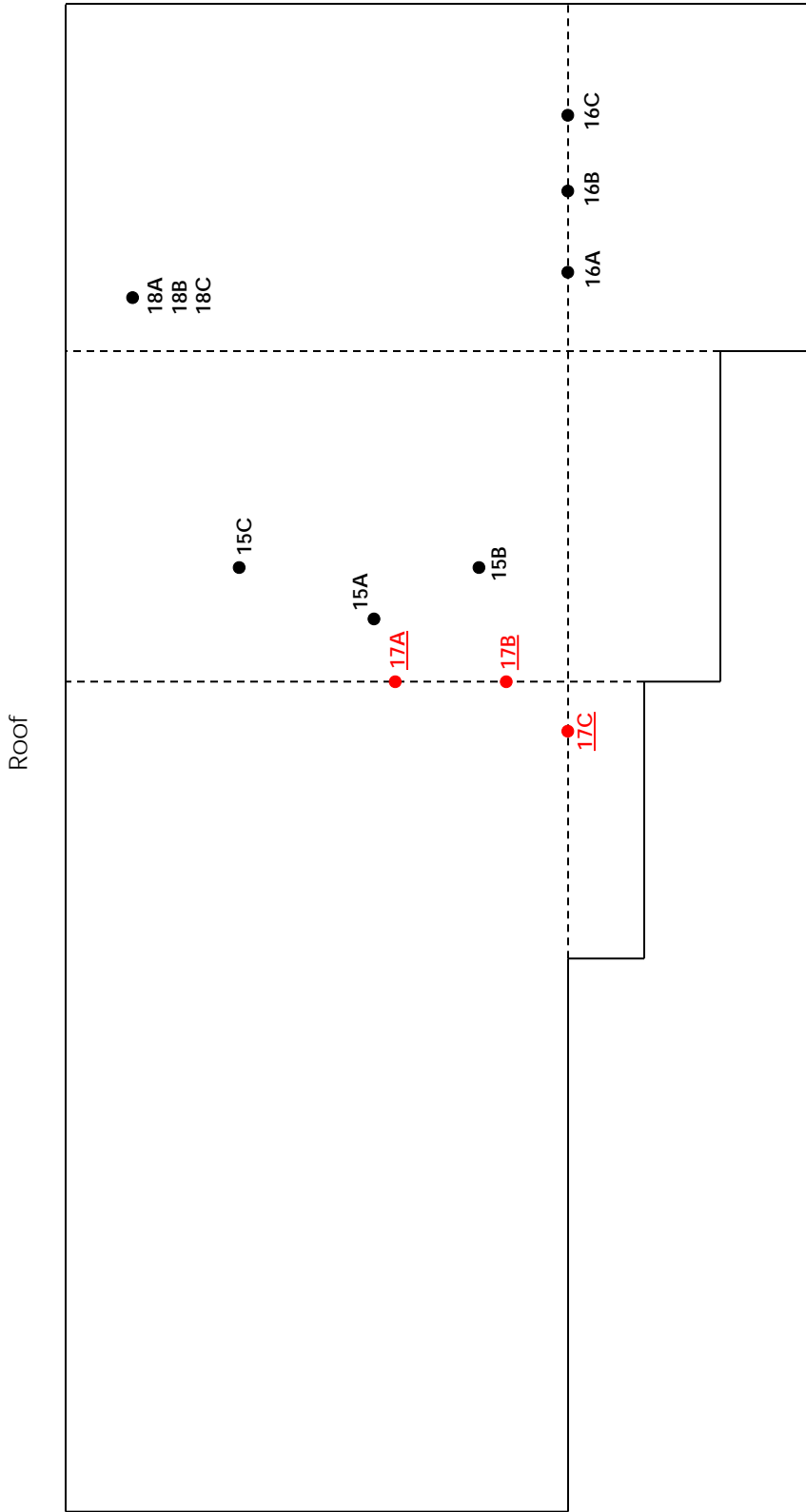
DRAWN BY:  
SK

CHECKED BY:  
JS

APPROVED BY:  
JW

DATE:  
4/27/2016





NOT TO SCALE

**LEGEND:**

● NON-ACM SAMPLE LOCATION

● ACM SAMPLE LOCATION



FOR: Pre-Demolition Hazardous Materials Survey  
 Mountain Parkway Expansion  
 Parcel 182 - 1165 E. Mountain Parkway  
 Salyersville, Kentucky

PROJECT NUMBER:  
 178564013

DRAWN BY: SK

CHECKED BY: JS

APPROVED BY: JW

DATE: 4/27/2016

**ASBESTOS SAMPLE LOCATION MAP**

FIGURE: **3**

# Attachment C

# Photographic Log



May 11, 2016  
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**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 1- April 25, 2016**



Exterior of Subject Property.

**Photo 2- April 25, 2016**



External rear view of Subject Property.



May 11, 2016  
KYTC

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 3- April 25, 2016**



View of anodized metal roof on Subject Property.

**Photo 4- April 25, 2016**



View of caulk on roof penetration.





May 11, 2016  
KYTC

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 5- April 25, 2016**



Interior view of loft and Garage 1.

**Photo 6- April 25, 2016**



Interior view of Office 1.



May 11, 2016  
KYTC

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 7- April 25, 2016**



Caulk sealant in Office 1.

**Photo 8- April 25, 2016**



Caulk sealant in Office 1.



May 11, 2016  
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**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 9- April 25, 2016**



Interior view of ATV Shop.

**Photo 10- April 25, 2016**



Interior view of Garage 2.



May 11, 2016  
KYTC

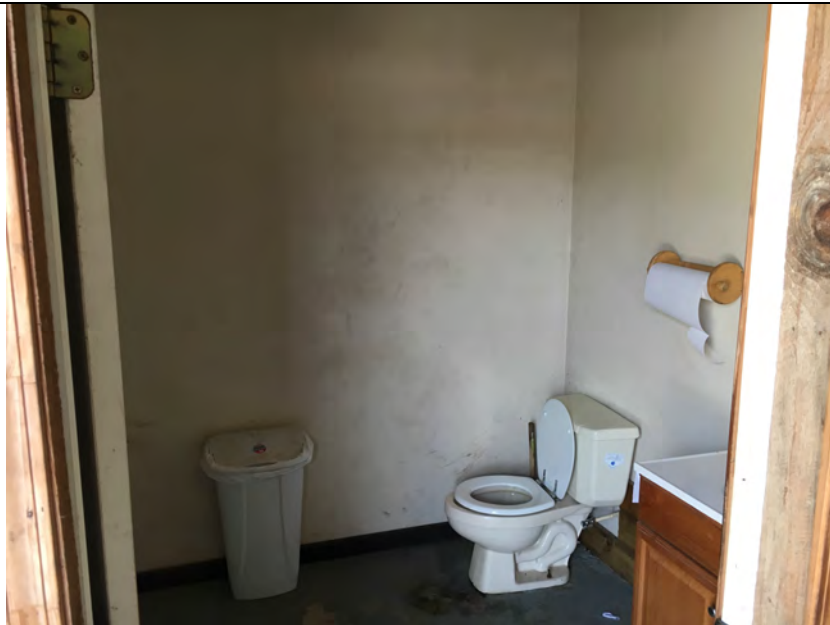
**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 11- April 25, 2016**



Ceiling of ATV Garage.

**Photo 12- April 25, 2016**



Interior view of Bathroom 1.



May 11, 2016  
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**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 13- April 25, 2016**



Interior view of Loft.

**Photo 14- April 25, 2016**



View from loft into Dining Room and Tire Storage 4.



May 11, 2016  
KYTC

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 15- April 25, 2016**



View of Living room.

**Photo 16- April 25, 2016**



View of Bathroom 2.



May 11, 2016  
KYTC

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 17- April 25, 2016**



View of dining room.

**Photo 18- April 25, 2016**



View of Tire Storage 3.



May 11, 2016  
KYTC

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 19- April 25, 2016**



Light ballast labeled "No PCBs" in 8 ft fluorescent light fixture.

**Photo 20- April 25, 2016**



8 ft fluorescent light fixture.





May 11, 2016  
KYTC

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 21- April 25, 2016**



Ceiling texture and gypsum board ceiling in ATV Shop.

**Photo 22- April 25, 2016**



Vinyl Floor tile located in closet. (ACM)



May 11, 2016  
KYTC

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 23- April 25, 2016**



View of roof and roofing mastic. Mastic is ACM.

**Photo 24- April 25, 2016**



View of roof and roofing mastic. Mastic is ACM.



May 11, 2016  
KYTC

**Reference: Pre-demolition Asbestos, Lead-Based Paint, and Hazardous Materials Survey Report  
Parcel 182: Puckett's Truck Stop, 1165 East Mountain Parkway, Salyersville, Kentucky  
Stantec Project #: 178564013.200.006**

**Photo 25- April 25, 2016**



View of roof and roofing mastic. Mastic is ACM.

**Photo 26- April 25, 2016**

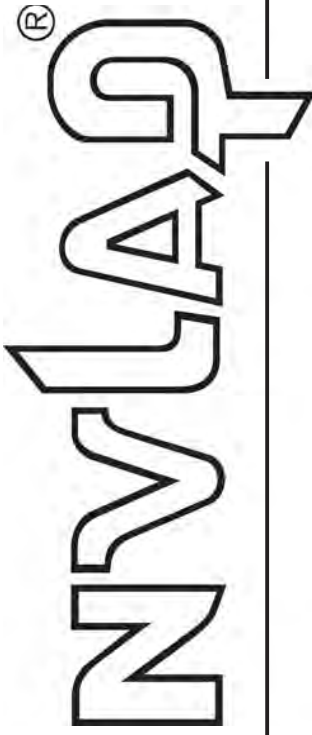


View of roof and roofing mastic. Mastic is non-ACM.

# **Attachment D**

# **Personnel Certifications**

United States Department of Commerce  
National Institute of Standards and Technology



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# Certificate of Accreditation to ISO/IEC 17025:2005

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NVLAP LAB CODE: 101048-0

**EMSL Analytical, Inc.**

Cinnaminson, NJ

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,  
listed on the Scope of Accreditation, for:*

## **Asbestos Fiber Analysis**

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.  
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality  
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).*

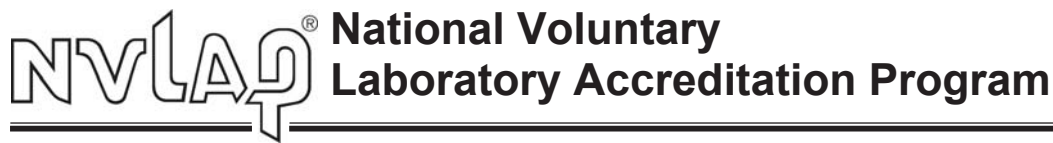
2015-06-02 through 2016-06-30

Effective Dates



A handwritten signature in blue ink, which appears to read "Alan R. Murphy".

For the National Voluntary Laboratory Accreditation Program



## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

### EMSL Analytical, Inc.

200 Route 130 North  
Cinnaminson, NJ 08077  
Mr. Ben Ellis  
Phone: 800-220-3675 Fax: 856-786-5973  
Email: [bellis@emsl.com](mailto:bellis@emsl.com)  
<http://www.emsl.com>

## ASBESTOS FIBER ANALYSIS

**NVLAP LAB CODE 101048-0**

### Bulk Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

### Airborne Asbestos Analysis

<u>Code</u>	<u>Description</u>
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

A handwritten signature in blue ink, appearing to read 'Ben Ellis', is written over a horizontal line.

For the National Voluntary Laboratory Accreditation Program



# TSI

## Training Services International

### Asbestos Building Inspector Refresher

Certificate

This is to certify

# Shane Kelley

## XXXX-XX-6624



has attended and successfully completed the Asbestos Hazard Emergency Response Act mandatory course for the Asbestos Building Inspector Refresher and has passed an examination in that course with a minimum score of 70% or better. Training was in accordance with 40 CFR Part 763 (AHERA). The above student received the requisite training for asbestos accreditation under Title II of the Toxic Substances Control Act and State of Indiana requirements under 326 IAC 18-2 and Chapter 3701-34 Ohio Administrative Code.

Training Manager

1/20/17

Expiration Date

1/20/16

Date(s) of Course

1/20/16

Examination Date

Cincinnati, OH

Course Location

**TSI**

33150 Lakeland Blvd.  
Cleveland, OH 44095  
1-866-666-8438

16 TSI 61997 ir

**Commonwealth of Kentucky**  
Department for Environmental Protection  
Division for Air Quality

**Shane Patrick Kelley**  
*Has met the requirements of 401 KAR 58:005 and is accredited as an:*

**Asbestos Inspector**

Accreditation Number: **116-01-0174**  
Issue Date: **1/25/2016**  
Expiration Date: **1/20/2017**

KENTUCKY DIVISION FOR  
**AIR QUALITY**





**John D. Watrous**

*Has met the requirements of 401 KAR 58:005 and is accredited as an:*



Accreditation Number: **115-11-2963**

Issue Date: **11/30/2015**

Expiration Date: **8/25/2016**



# Certificate of Completion

## Asbestos Building Inspector Refresher Course

DOSH #:CA-015-06

**Jason Stagno**

ABIR1214150008N8308



**Alan Dages**

Principal Instructor

**Michael W. Horner**  
Training Director

**12/14/2015**  
Course Start Date

**12/14/2015**  
Course End Date

**12/14/2015**  
Exam Date

**12/14/2016**  
Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California



**NATEC International, Inc.**

**National Association of Training and Environmental Consulting**

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

### Important Industry Contacts

**CAL-OSHA:** Ph# (916) 574-2993  
(916) 483-0572 Fax Notification  
web: www.dir.ca.gov or calosha.com

**CDPH/CLPPB:** Ph# (510) 620-5600  
web: www.cdph.ca.gov/programs/CLPPB

**SCAQMD:** Ph# (909) 396-3739  
Fax#(909) 396-3342

**BAAQMD:** Ph# (415) 749-4762

### NATEC International, Inc.

National Association of Training and Environmental Consulting  
Anaheim, CA | Oakland, CA | Marianas & Guam

**A s b e s t o s • L e a d • M o l d • H A Z W O P E R**

P.O. Box 25205 Anaheim, CA 92825-5205  
(714) 678-2750, (800) 969-3228, Fax (714) 678-2757  
www.natecintl.com

### NATEC International, Inc.

National Association of Training and Environmental Consulting  
\*Note: Card is not suitable substitute for certificate and is not accepted by SCAQMD as proof of certification

This Card Acknowledges That  
**Jason Stagno**

Holds Training Certification For  
**Asbestos Building Inspector Refresher Course**

(Valid for 12 months)

Training Date **12/14/2015**  
Certificate No. **ABIR1214150008N8308**

Michael W. Horner  
Training Director

# Certificate of Completion

## Asbestos Management Planner Refresher Course

DOSH #: CA-015-08

**Jason Stagno**  
AMPR1214150010N8309

*Michael W. Homer*

**Alan Dages**

Principal Instructor

**Michael W. Homer**  
Training Director

12/14/2015  
Course Start Date

12/14/2015  
Course End Date

12/14/2015  
Exam Date

12/14/2015  
Expiration Date

This course satisfies the education requirements for Asbestos accreditation under the Toxic Substances Control Act, Title II. This course has been approved by the Department of Industrial Relations, Division of Occupational Safety and Health of the State of California



**NATEC International, Inc.**

**National Association of Training and Environmental Consulting**

1100 Technology Circle- Suite A, Anaheim, CA 92805 • www.natecintl.com • 800-969-3228

### Important Industry Contacts

**CAL-OSHA:** Ph# (916) 574-2983  
(916) 483-0572 Fax Notification  
Web: www.dtr.ca.gov or ca.osha.com

**CLPP/CLPPB:** Ph# (510) 920-3600  
Web: www.cdph.ca.gov/programs/CLPPB

**SCAQMD:** Ph# (909) 396-3739  
Fax# (909) 396-3342

**BAAQMD:** Ph# (415) 749-4762

### NATEC International, Inc.

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This Card Acknowledges That

**Jason Stagno**

Holds Training Certification For  
**Asbestos Management Planner Refresher Course**

(Valid for 12 months)

12/14/2015

Training Date: AMPR1214150010N8309  
Certificate No.

Michael W. Homer  
Training Director

**PROPOSAL BID ITEMS**

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Report Date 6/14/16

**Section: 0001 - PAVING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE (REVISED: 6-14-16)	84,168.00	TON		\$	
0020	00005		GEOGRID REINFORCEMENT FOR SUBGRADE	73,600.00	SQYD		\$	
0030	00100		ASPHALT SEAL AGGREGATE	6.00	TON		\$	
0040	00103		ASPHALT SEAL COAT	2.00	TON		\$	
0050	00190		LEVELING & WEDGING PG64-22	7,397.00	TON		\$	
0060	00194		LEVELING & WEDGING PG76-22	525.00	TON		\$	
0070	00212		CL2 ASPH BASE 1.00D PG64-22	25,921.00	TON		\$	
0080	00214		CL3 ASPH BASE 1.00D PG64-22 (REVISED: 6-14-16)	20,807.00	TON		\$	
0090	00216		CL3 ASPH BASE 1.00D PG76-22	13,186.00	TON		\$	
0100	00221		CL2 ASPH BASE 0.75D PG64-22	3,592.00	TON		\$	
0110	00301		CL2 ASPH SURF 0.38D PG64-22	6,890.00	TON		\$	
0120	00387		CL3 ASPH SURF 0.38B PG76-22	5,827.00	TON		\$	
0130	02084		JPC PAVEMENT-8 IN	142.00	SQYD		\$	
0140	02101		CEM CONC ENT PAVEMENT-8 IN	1,096.00	SQYD		\$	
0150	02677		ASPHALT PAVE MILLING & TEXTURING	4,083.00	TON		\$	
0160	20071EC		JOINT ADHESIVE	71,500.00	LF		\$	

**Section: 0002 - ROADWAY**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1660	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
1670	01314		PLUG PIPE	3.00	EACH		\$	
1680	01810		STANDARD CURB AND GUTTER	47,276.00	LF		\$	
1690	01811		STANDARD CURB AND GUTTER MOD	346.00	LF		\$	
1700	01815		BARRIER CURB AND GUTTER	42.00	LF		\$	
1710	01825		ISLAND CURB AND GUTTER	92.25	LF		\$	
1720	01875		STANDARD HEADER CURB	2,952.00	LF		\$	
1730	01956		CONC TERMINAL SECTION TYPE 1	8.00	EACH		\$	
1740	01982		DELINEATOR FOR GUARDRAIL MONO DIRECTIONAL WHITE	79.00	EACH		\$	
1750	01986		DELINEATOR FOR BARRIER WALL-B/Y	29.00	EACH		\$	
1760	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	24.00	EACH		\$	
1770	01990		DELINEATOR FOR BARRIER WALL-B/W	40.00	EACH		\$	
1780	02001		CURB TO BARRIER WALL TRANS	4.00	EACH		\$	
1790	02002		REMOVE TEMP CONC BARRIER WALL	505.00	LF		\$	
1800	02003		RELOCATE TEMP CONC BARRIER	3,465.00	LF		\$	
1810	02014		BARRICADE-TYPE III	39.00	EACH		\$	
1820	02015		CEMENT CONCRETE ISLAND	153.00	SQYD		\$	
1830	02091		REMOVE PAVEMENT	614.00	SQYD		\$	
1840	02159		TEMP DITCH	44.00	LF		\$	
1850	02160		CLEAN TEMP DITCH	44.00	LF		\$	
1860	24867EC		CONTAMINATED SOIL REMOVAL P100 (REVISED: 6-14-16)	3,750.00	TON		\$	

**PROPOSAL BID ITEMS**

REVISED ADDENDUM #1: 6-14-16

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1870	02200		ROADWAY EXCAVATION	234,640.00	CUYD		\$	
1880	02203		STRUCTURE EXCAV-UNCLASSIFIED	287.00	CUYD		\$	
1890	02223		GRANULAR EMBANKMENT	8,370.00	CUYD		\$	
1900	02242		WATER	1,110.00	MGAL		\$	
1910	02262		FENCE-WOVEN WIRE TYPE 1	3,038.00	LF		\$	
1920	02351		GUARDRAIL-STEEL W BEAM-S FACE	6,887.50	LF		\$	
1930	02360		GUARDRAIL TERMINAL SECTION NO 1	9.00	EACH		\$	
1940	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	5.00	EACH		\$	
1950	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
1960	02369		GUARDRAIL END TREATMENT TYPE 2A	8.00	EACH		\$	
1970	02381		REMOVE GUARDRAIL	7,075.50	LF		\$	
1980	02391		GUARDRAIL END TREATMENT TYPE 4A	4.00	EACH		\$	
1990	02397		TEMP GUARDRAIL	400.00	LF		\$	
2000	02404		SEPTIC TANK TREATMENT	2.00	EACH		\$	
2010	02429		RIGHT-OF-WAY MONUMENT TYPE 1	240.00	EACH		\$	
2020	02432		WITNESS POST	240.00	EACH		\$	
2030	02475		PLUG WATER WELL	2.00	EACH		\$	
2040	02488		CHANNEL LINING CLASS IV	6,734.00	CUYD		\$	
2050	02545		CLEARING AND GRUBBING 132 ACRES	1.00	LS		\$	
2060	02555		CONCRETE-CLASS B CHANNEL LINING	3.00	CUYD		\$	
2070	02555		CONCRETE-CLASS B FENCE	15.28	CUYD		\$	
2080	02555		CONCRETE-CLASS B GRAVITY RETAINING WALL	201.50	CUYD		\$	
2090	02562		TEMPORARY SIGNS	1,450.00	SQFT		\$	
2100	02585		EDGE KEY	479.50	LF		\$	
2110	02596		FABRIC-GEOTEXTILE TYPE I	9,222.00	SQYD		\$	
2120	02599		FABRIC-GEOTEXTILE TYPE IV	73,600.00	SQYD		\$	
2130	02600		FABRIC GEOTEXTILE TY IV FOR PIPE	64,399.00	SQYD	\$2.00	\$	\$128,798.00
2140	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
2150	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
2160	02651		DIVERSIONS (BY-PASS DETOURS) NO. 2	1.00	LS		\$	
2170	02651		DIVERSIONS (BY-PASS DETOURS) NO. 3	1.00	LS		\$	
2180	02651		DIVERSIONS (BY-PASS DETOURS) NO. 4	1.00	LS		\$	
2190	02653		LANE CLOSURE	11.00	EACH		\$	
2200	02654		TRUCK MOUNTED ATTENUATOR	2.00	EACH		\$	
2210	02671		PORTABLE CHANGEABLE MESSAGE SIGN	5.00	EACH		\$	
2220	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
2230	02690		SAFELoading	45.00	CUYD		\$	
2240	02696		SHOULDER RUMBLE STRIPS-SAWED	3,080.00	LF		\$	
2250	02701		TEMP SILT FENCE	30,129.00	LF		\$	
2260	02703		SILT TRAP TYPE A	127.00	EACH		\$	
2270	02704		SILT TRAP TYPE B	127.00	EACH		\$	
2280	02705		SILT TRAP TYPE C	127.00	EACH		\$	
2290	02706		CLEAN SILT TRAP TYPE A	127.00	EACH		\$	
2300	02707		CLEAN SILT TRAP TYPE B	127.00	EACH		\$	

**PROPOSAL BID ITEMS**

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Report Date 6/14/16

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2310	02708		CLEAN SILT TRAP TYPE C	127.00	EACH		\$	
2320	02711		SEDIMENTATION BASIN	3,215.00	CUYD		\$	
2330	02712		CLEAN SEDIMENTATION BASIN	3,215.00	CUYD		\$	
2340	02720		SIDEWALK-4 IN CONCRETE	3,102.00	SQYD		\$	
2350	02726		STAKING	1.00	LS		\$	
2360	02731		REMOVE STRUCTURE BILLBOARD-P147	1.00	LS		\$	
2370	02731		REMOVE STRUCTURE BILLBOARD-P176	1.00	LS		\$	
2380	02731		REMOVE STRUCTURE BILLBOARD-P178	1.00	LS		\$	
2390	02731		REMOVE STRUCTURE BILLBOARD-P181	1.00	LS		\$	
2400	02731		REMOVE STRUCTURE BILLBOARD-P186	1.00	LS		\$	
2410	02731		REMOVE STRUCTURE BILLBOARD-P197	1.00	LS		\$	
2420	02731		REMOVE STRUCTURE BILLBOARD-P205	1.00	LS		\$	
2430	02731		REMOVE STRUCTURE BRIDGE STA. 3935+25	1.00	LS		\$	
2440	02731		REMOVE STRUCTURE CULVERT-27552	1.00	LS		\$	
2450	02731		REMOVE STRUCTURE CULVERT-27553	1.00	LS		\$	
2460	02731		REMOVE STRUCTURE CULVERT-27554	1.00	LS		\$	
2470	02731		REMOVE STRUCTURE CULVERT-27556	1.00	LS		\$	
2480	02731		REMOVE STRUCTURE WALL-27557	1.00	LS		\$	
2490	02731		REMOVE STRUCTURE WALL-27558	1.00	LS		\$	
2500	02731		REMOVE STRUCTURE WALL-27559	1.00	LS		\$	
2510	02731		REMOVE STRUCTURE WALL-27560	1.00	LS		\$	
2520	02775		ARROW PANEL	5.00	EACH		\$	
2530	02898		RELOCATE CRASH CUSHION	20.00	EACH		\$	
2540	03171		CONCRETE BARRIER WALL TYPE 9T	3,465.00	LF		\$	
2550	04741		POLE BASE IN MEDIAN WALL	7.00	EACH		\$	
2560	04810		ELECTRICAL JUNCTION BOX	7.00	EACH		\$	
2570	04935		TEMP SIGNAL	1.00	LS		\$	
2580	04953		TEMP RELOCATION OF SIGNAL HEAD	82.00	EACH		\$	
2590	05950		EROSION CONTROL BLANKET	11,307.00	SQYD		\$	
2600	05952		TEMP MULCH	412,679.00	SQYD		\$	
2610	05953		TEMP SEEDING AND PROTECTION	307,969.00	SQYD		\$	
2620	05963		INITIAL FERTILIZER	19.00	TON		\$	
2630	05964		20-10-10 FERTILIZER	31.90	TON		\$	
2640	05985		SEEDING AND PROTECTION	615,938.00	SQYD		\$	
2650	05990		SODDING	18,202.00	SQYD		\$	
2660	05992		AGRICULTURAL LIMESTONE	381.80	TON		\$	
2670	05997		TOPSOIL FURNISHED AND PLACED	58.00	CUYD		\$	
2680	06510		PAVE STRIPING-TEMP PAINT-4 IN	158,570.00	LF		\$	

**PROPOSAL BID ITEMS**

REVISED ADDENDUM #1: 6-14-16

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
2690	06513		PAVE STRIPING-TEMP PAINT-12 IN	840.00	LF		\$	
2700	06514		PAVE STRIPING-PERM PAINT-4 IN	114,627.00	LF		\$	
2710	06515		PAVE STRIPING-PERM PAINT-6 IN	9,649.00	LF		\$	
2720	06565		PAVE MARKING-THERMO X-WALK-6 IN	1,491.00	LF		\$	
2730	06568		PAVE MARKING-THERMO STOP BAR-24IN	856.00	LF		\$	
2740	06569		PAVE MARKING-THERMO CROSS-HATCH	18,883.00	SQFT		\$	
2750	06573		PAVE MARKING-THERMO STR ARROW	3.00	EACH		\$	
2760	06574		PAVE MARKING-THERMO CURV ARROW	67.00	EACH		\$	
2770	06575		PAVE MARKING-THERMO COMB ARROW	21.00	EACH		\$	
2780	06588		PAVEMENT MARKER TY IVA-BY TEMP	1,338.00	EACH		\$	
2790	06600		REMOVE PAVEMENT MARKER TYPE V	415.00	EACH		\$	
2800	08100		CONCRETE-CLASS A	3.51	CUYD		\$	
2810	08150		STEEL REINFORCEMENT	163.00	LB		\$	
2820	08257		HANDRAIL-PEDESTRIAN ALUMINUM	622.00	LF		\$	
2830	08901		CRASH CUSHION TY VI CLASS BT TL2	20.00	EACH		\$	
2840	08902		CRASH CUSHION TY VI CLASS B TL3	1.00	EACH		\$	
2850	10020NS		FUEL ADJUSTMENT	173,665.00	DOLL	\$1.00	\$	\$173,665.00
2860	10030NS		ASPHALT ADJUSTMENT	281,175.00	DOLL	\$1.00	\$	\$281,175.00
2870	20191ED		OBJECT MARKER TY 3	5.00	EACH		\$	
2880	20210EP69		COHESIVE PILE CORE	1,280.00	CUYD		\$	
2890	20211ES706		BORE & JACK PIPE	380.00	LF		\$	
2900	20327ES212		EROSION CONTROL BLANKET (SPECIAL)	363.00	SQYD		\$	
2910	20394ES835		PVC CONDUIT-3 IN- IN MEDIAN BARRIER WALL	1,383.00	LF		\$	
2920	20432ES112		REMOVE CRASH CUSHION	3.00	EACH		\$	
2930	20465EC		CLEAN CULVERT	1.00	LS		\$	
2940	21289ED		LONGITUDINAL EDGE KEY	27,300.00	LF		\$	
2950	22520EN		PAVE MARKING-THERMO YIELD BAR-36 IN	30.00	LF		\$	
2960	22664EN		WATER BLASTING EXISTING STRIPE	159,410.00	LF		\$	
2970	22884EN		CONC MED BARRIER TY 14E	1,365.00	LF		\$	
2980	23026ED		ARCHITECTURAL TREATMENT	191.00	SQYD		\$	
2990	23086EN		CONCRETE MEDIAN BARRIER TY 9C	350.00	LF		\$	
3000	23158ES505		DETECTABLE WARNINGS	550.00	SQFT		\$	
3010	23274EN11F		TURF REINFORCEMENT MAT 1	956.00	SQYD		\$	
3020	24489EC		INLAID PAVEMENT MARKER	428.00	EACH		\$	
3030	24668EC		STEEL ENCASEMENT PIPE 8 INCH	380.00	LF		\$	
3040	24814EC		PIPELINE INSPECTION	11,736.00	LF		\$	

**Section: 0003 - DRAINAGE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3740	00078		CRUSHED AGGREGATE SIZE NO 2	62.00	TON		\$	
3750	00440		ENTRANCE PIPE-15 IN	181.00	LF		\$	
3760	00443		ENTRANCE PIPE-24 IN	49.00	LF		\$	
3770	00460		CULVERT PIPE-12 IN	4.00	LF		\$	
3780	00462		CULVERT PIPE-18 IN	360.00	LF		\$	
3790	00464		CULVERT PIPE-24 IN	134.00	LF		\$	
3800	00466		CULVERT PIPE-30 IN	247.00	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3810	00468		CULVERT PIPE-36 IN	4.00	LF		\$	
3820	00469		CULVERT PIPE-42 IN	162.00	LF		\$	
3830	00472		CULVERT PIPE-60 IN	16.00	LF		\$	
3840	00472		CULVERT PIPE-60 IN CMP	12.00	LF		\$	
3850	00520		STORM SEWER PIPE-12 IN	45.00	LF		\$	
3860	00521		STORM SEWER PIPE-15 IN	399.00	LF		\$	
3870	00522		STORM SEWER PIPE-18 IN	12,415.00	LF		\$	
3880	00524		STORM SEWER PIPE-24 IN	2,643.00	LF		\$	
3890	00526		STORM SEWER PIPE-30 IN	1,957.00	LF		\$	
3900	00528		STORM SEWER PIPE-36 IN	454.00	LF		\$	
3910	00529		STORM SEWER PIPE-42 IN	318.00	LF		\$	
3920	00532		STORM SEWER PIPE-60 IN	71.00	LF		\$	
3930	01000		PERFORATED PIPE-4 IN	1,506.00	LF		\$	
3940	01002		PERFORATED PIPE-8 IN	530.00	LF		\$	
3950	01005		PERFORATED PIPE EDGE DRAIN-4 IN	33,616.00	LF		\$	
3960	01010		NON-PERFORATED PIPE-4 IN	1,471.00	LF		\$	
3970	01020		PERF PIPE HEADWALL TY 1-4 IN	19.00	EACH		\$	
3980	01022		PERF PIPE HEADWALL TY 1-8 IN	9.00	EACH		\$	
3990	01024		PERF PIPE HEADWALL TY 2-4 IN	3.00	EACH		\$	
4000	01028		PERF PIPE HEADWALL TY 3-4 IN	29.00	EACH		\$	
4010	01032		PERF PIPE HEADWALL TY 4-4 IN	11.00	EACH		\$	
4020	01204		PIPE CULVERT HEADWALL-18 IN	16.00	EACH		\$	
4030	01208		PIPE CULVERT HEADWALL-24 IN	13.00	EACH		\$	
4040	01210		PIPE CULVERT HEADWALL-30 IN	3.00	EACH		\$	
4050	01212		PIPE CULVERT HEADWALL-36 IN	3.00	EACH		\$	
4060	01214		PIPE CULVERT HEADWALL-42 IN	4.00	EACH		\$	
4070	01220		PIPE CULVERT HEADWALL-60 IN	1.00	EACH		\$	
4080	01433		SLOPED BOX OUTLET TYPE 1-18 IN	1.00	EACH		\$	
4090	01442		SLOPED AND PARALLEL HEADWALL-12 IN	1.00	EACH		\$	
4100	01450		S & F BOX INLET-OUTLET-18 IN	2.00	EACH		\$	
4110	01452		S & F BOX INLET-OUTLET-30 IN	2.00	EACH		\$	
4120	01456		CURB BOX INLET TYPE A	132.00	EACH		\$	
4130	01480		CURB BOX INLET TYPE B	3.00	EACH		\$	
4140	01496		DROP BOX INLET TYPE 3	29.00	EACH		\$	
4150	01499		DROP BOX INLET TYPE 4	2.00	EACH		\$	
4160	01517		DROP BOX INLET TYPE 5F	1.00	EACH		\$	
4170	01529		DROP BOX INLET TYPE 6D	2.00	EACH		\$	
4180	01544		DROP BOX INLET TYPE 11	9.00	EACH		\$	
4190	01550		DROP BOX INLET TYPE 12A	12.00	LF		\$	
4200	01559		DROP BOX INLET TYPE 13G	7.00	EACH		\$	
4210	01568		DROP BOX INLET TYPE 13S	1.00	EACH		\$	
4220	01577		DROP BOX INLET TYPE 14	7.00	EACH		\$	
4230	01650		JUNCTION BOX	6.00	EACH		\$	
4240	01691		FLUME INLET TYPE 2	2.00	EACH		\$	
4250	01740		CORED HOLE DRAINAGE BOX CON-4 IN	85.00	EACH		\$	
4260	01756		MANHOLE TYPE A	14.00	EACH		\$	
4270	01767		MANHOLE TYPE C	4.00	EACH		\$	
4280	02200		ROADWAY EXCAVATION	1,366.00	CUYD		\$	
4290	23045ES508		CONCRETE MEDIAN BARRIER TY 14B(50)	5.00	LF		\$	
4300	23874EC		CONCRETE MEDIAN BARRIER TY 14A(50)	1.00	LF		\$	



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**Section: 0004 - BRIDGE-RETAINING WALL 27557**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4310	01000		PERFORATED PIPE-4 IN	320.00	LF		\$	
4320	02223		GRANULAR EMBANKMENT	1,101.00	CUYD		\$	
4330	02998		MASONRY COATING	428.00	SQYD		\$	
4340	08003		FOUNDATION PREPARATION	1.00	LS		\$	
4350	08100		CONCRETE-CLASS A	246.00	CUYD		\$	
4360	08150		STEEL REINFORCEMENT	27,660.00	LB		\$	
4370	21532ED		RAIL SYSTEM TYPE III	218.00	LF		\$	
4380	23026ED		ARCHITECTURAL TREATMENT	200.00	SQYD		\$	

**Section: 0005 - BRIDGE-27550**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4390	02231		STRUCTURE GRANULAR BACKFILL	348.00	CUYD		\$	
4400	02998		MASONRY COATING	936.00	SQYD		\$	
4410	03299		ARMORED EDGE FOR CONCRETE	175.00	LF		\$	
4420	08001		STRUCTURE EXCAVATION-COMMON	40.00	CUYD		\$	
4430	08019		CYCLOPEAN STONE RIP RAP	2,930.00	TON		\$	
4440	08033		TEST PILES	57.00	LF		\$	
4450	08046		PILES-STEEL HP12X53	930.00	LF		\$	
4460	08094		PILE POINTS-12 IN	28.00	EACH		\$	
4470	08100		CONCRETE-CLASS A	313.60	CUYD		\$	
4480	08104		CONCRETE-CLASS AA	654.60	CUYD		\$	
4490	08130		MECHANICAL REINF COUPLER #5	8.00	EACH		\$	
4500	08133		MECHANICAL REINF COUPLER #8	16.00	EACH		\$	
4510	08135		MECHANICAL REINF COUPLER #10	32.00	EACH		\$	
4520	08140		MECHANICAL REINF COUPLER #5 EPOXY COATED	40.00	EACH		\$	
4530	08150		STEEL REINFORCEMENT	59,004.00	LB		\$	
4540	08151		STEEL REINFORCEMENT-EPOXY COATED	170,930.00	LB		\$	
4550	08633		PRECAST PC I BEAM TYPE 3	1,605.00	LF		\$	
4560	20637ED		DRILLED SHAFT-ROCK 48 IN	133.90	LF		\$	
4570	21532ED		RAIL SYSTEM TYPE III	363.00	LF		\$	
4580	21777EN		DRILLED SHAFT COMMON-54 IN	215.90	LF		\$	
4590	24404EC		MECHANICAL REINF COUPLER-#7 EPOXY COATED	626.00	EACH		\$	

**Section: 0006 - BRIDGE-CULVERT 27551**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4600	02223		GRANULAR EMBANKMENT	155.00	CUYD		\$	
4610	08003		FOUNDATION PREPARATION	1.00	LS		\$	
4620	08100		CONCRETE-CLASS A	132.00	CUYD		\$	
4630	08150		STEEL REINFORCEMENT	12,390.00	LB		\$	

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**Section: 0007 - BRIDGE-CULVERT 27552**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4640	02223		GRANULAR EMBANKMENT	675.00	CUYD		\$	
4650	08001		STRUCTURE EXCAVATION-COMMON	410.00	CUYD		\$	
4660	08003		FOUNDATION PREPARATION	1.00	LS		\$	
4670	08100		CONCRETE-CLASS A	180.00	CUYD		\$	
4680	08150		STEEL REINFORCEMENT	18,550.00	LB		\$	

**Section: 0008 - BRIDGE-CULVERT 27553**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4690	02223		GRANULAR EMBANKMENT	220.00	CUYD		\$	
4700	08003		FOUNDATION PREPARATION	1.00	LS		\$	
4710	08100		CONCRETE-CLASS A	198.00	CUYD		\$	
4720	08150		STEEL REINFORCEMENT	15,120.00	LB		\$	

**Section: 0009 - BRIDGE-CULVERT 27554**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
4730	02223		GRANULAR EMBANKMENT	235.00	CUYD		\$	
4740	08003		FOUNDATION PREPARATION	1.00	LS		\$	
4750	08100		CONCRETE-CLASS A	240.00	CUYD		\$	
4760	08150		STEEL REINFORCEMENT	20,890.00	LB		\$	

**Section: 0010 - BRIDGE-CULVERT 27556**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0170	02223		GRANULAR EMBANKMENT	485.00	CUYD		\$	
0180	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0190	08100		CONCRETE-CLASS A	516.00	CUYD		\$	
0200	08150		STEEL REINFORCEMENT	74,580.00	LB		\$	

**Section: 0011 - BRIDGE-RETAINING WALL 27558**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0210	01000		PERFORATED PIPE-4 IN	550.00	LF		\$	
0220	02223		GRANULAR EMBANKMENT	793.00	CUYD		\$	
0230	02998		MASONRY COATING	408.00	SQYD		\$	
0240	08002		STRUCTURE EXCAV-SOLID ROCK	736.00	CUYD		\$	
0250	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0260	08100		CONCRETE-CLASS A	273.00	CUYD		\$	
0270	08150		STEEL REINFORCEMENT	31,200.00	LB		\$	
0280	08257		HANDRAIL-PEDESTRIAN ALUMINUM	380.00	LF		\$	
0290	23026ED		ARCHITECTURAL TREATMENT	282.00	SQYD		\$	

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**Section: 0012 - BRIDGE-RETAINING WALL 27559**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0300	01000		PERFORATED PIPE-4 IN	502.00	LF		\$	
0310	02223		GRANULAR EMBANKMENT	1,056.00	CUYD		\$	
0320	02998		MASONRY COATING	403.00	SQYD		\$	
0330	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0340	08100		CONCRETE-CLASS A	265.00	CUYD		\$	
0350	08150		STEEL REINFORCEMENT	29,200.00	LB		\$	
0360	08257		HANDRAIL-PEDESTRIAN ALUMINUM	400.00	LF		\$	
0370	21532ED		RAIL SYSTEM TYPE III	400.00	LF		\$	
0380	23026ED		ARCHITECTURAL TREATMENT	110.00	SQYD		\$	

**Section: 0013 - BRIDGE-RETAINING WALL 27560**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0390	01000		PERFORATED PIPE-4 IN	292.00	LF		\$	
0400	02223		GRANULAR EMBANKMENT	346.00	CUYD		\$	
0410	02998		MASONRY COATING	172.00	SQYD		\$	
0420	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0430	08100		CONCRETE-CLASS A	113.00	CUYD		\$	
0440	08150		STEEL REINFORCEMENT	13,600.00	LB		\$	
0450	08257		HANDRAIL-PEDESTRIAN ALUMINUM	204.00	LF		\$	
0460	21532ED		RAIL SYSTEM TYPE III	204.00	LF		\$	

**Section: 0014 - BRIDGE-CULVERT 27555**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0470	02223		GRANULAR EMBANKMENT	330.00	CUYD		\$	
0480	08003		FOUNDATION PREPARATION	1.00	LS		\$	
0490	08100		CONCRETE-CLASS A	273.00	CUYD		\$	
0500	08150		STEEL REINFORCEMENT	27,260.00	LB		\$	

**Section: 0015 - UTILITY-GAS**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0510	16003		G ENCASMENT STEEL BORED RANGE 2	446.00	LF		\$	
0520	16009		G ENCASMENT STEEL OPEN CUT RANGE 2	899.70	LF		\$	
0530	16010		G ENCASMENT STEEL OPEN CUT RANGE 3	152.50	LF		\$	
0540	16015		G PIPE POLYETHYLENE/PLASTIC 02 INCH	5,611.00	LF		\$	
0550	16017		G PIPE POLYETHYLENE/PLASTIC 04 INCH	8,963.00	LF		\$	
0560	16018		G PIPE POLYETHYLENE/PLASTIC 06 INCH	1,135.00	LF		\$	
0570	16036		G SERVICE SHORT SIDE 1 OR 1-1/4 INCH	2.00	EACH		\$	
0580	16038		G SERVICE SHORT SIDE 2 INCH	8.00	EACH		\$	
0590	16039		G SERVICE SHORT SIDE 3/4 INCH	10.00	EACH		\$	
0600	16041		G TIE-IN POLYETHYLENE/PLASTIC 02 INCH	16.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0610	16043		G TIE-IN POLYETHYLENE/PLASTIC 04 INCH	21.00	EACH		\$	
0620	16044		G TIE-IN POLYETHYLENE/PLASTIC 06 INCH	3.00	EACH		\$	
0630	16049		G VALVE POLYETHYLENE/PLASTIC 02 INCH	32.00	EACH		\$	
0640	16050		G VALVE POLYETHYLENE/PLASTIC 03 INCH	4.00	EACH		\$	
0650	16051		G VALVE POLYETHYLENE/PLASTIC 04 INCH	65.00	EACH		\$	
0660	16052		G VALVE POLYETHYLENE/PLASTIC 06 INCH	2.00	EACH		\$	
0670	16064		G VALVE BOX ADJUST	103.00	EACH		\$	
0680	16065		G LINE MARKER	173.00	EACH		\$	
0690	24573EN		GAS LINE RELOCATION (STA. 3933+09)	1.00	LS		\$	
0700	24573EN		GAS LINE RELOCATION (STA. 3935+75)	1.00	LS		\$	

**Section: 0016 - SEWER**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0710	15015		S ENCASMENT STEEL BORED RANGE 2	61.00	LF		\$	
0720	15016		S ENCASMENT STEEL BORED RANGE 3	126.00	LF		\$	
0730	15017		S ENCASMENT STEEL BORED RANGE 4	100.00	LF		\$	
0740	15021		S ENCASMENT STEEL OPEN CUT RANGE 2	79.00	LF		\$	
0750	15022		S ENCASMENT STEEL OPEN CUT RANGE 3	504.00	LF		\$	
0760	15023		S ENCASMENT STEEL OPEN CUT RANGE 4	159.00	LF		\$	
0770	15032		S FORCE MAIN DUCTILE IRON 04 INCH	2,270.00	LF		\$	
0780	15033		S FORCE MAIN DUCTILE IRON 06 INCH	1,080.00	LF		\$	
0790	15050		S FORCE MAIN PE/PLASTIC 03 INCH	1,651.00	LF		\$	
0800	15051		S FORCE MAIN PE/PLASTIC 04 INCH	1,425.00	LF		\$	
0810	15052		S FORCE MAIN PE/PLASTIC 06 INCH	2,715.00	LF		\$	
0820	15069		S FORCE MAIN TAP SLEEVE/VALVE RNG 1	4.00	EACH		\$	
0830	15072		S FORCE MAIN TIE-IN 03 INCH	3.00	EACH		\$	
0840	15073		S FORCE MAIN TIE-IN 04 INCH	3.00	EACH		\$	
0850	15074		S FORCE MAIN TIE-IN 06 INCH	2.00	EACH		\$	
0860	15084		S FORCE MAIN VALVE GATE	5.00	EACH		\$	
0870	15090		S LATERAL SHORT SIDE 06 INCH	14.00	EACH		\$	
0880	15091		S LATERAL SPECIAL	14.00	EACH		\$	
0890	15092		S MANHOLE	6.00	EACH		\$	
0900	15092		S MANHOLE INSTALL ON EX LINE	3.00	EACH		\$	
0910	15093		S MANHOLE ABANDON/REMOVE	10.00	EACH		\$	
0920	15094		S MANHOLE ADJUST TO GRADE	16.00	EACH		\$	
0930	15101		S MANHOLE WITH DROP	7.00	EACH		\$	
0940	15104		S PIPE DUCTILE IRON 08 INCH	1,751.00	LF		\$	
0950	15112		S PIPE PVC 08 INCH	1,626.00	LF		\$	
0960	15119		S PUMP STATION	1.00	EACH		\$	
0970	15120		S SPECIAL ITEM	2.00	EACH		\$	
0980	15121		S STRUCTURE ABANDON	1.00	EACH		\$	
0990	15121		S STRUCTURE ABANDON LIFT STATION	1.00	EACH		\$	
1000	15122		S STRUCTURE REMOVAL	1.00	EACH		\$	
1010	15122		S STRUCTURE REMOVAL LIFT STATION	1.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1020	15123		S LINE MARKER	20.00	EACH		\$	

**Section: 0017 - SIGNING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1030	06405		SBM ALUMINUM PANEL SIGNS	280.00	SQFT		\$	
1040	06406		SBM ALUM SHEET SIGNS .080 IN	612.00	SQFT		\$	
1050	06407		SBM ALUM SHEET SIGNS .125 IN	307.00	SQFT		\$	
1060	06411		STEEL POST TYPE 2	2,384.00	LF		\$	
1070	06412		STEEL POST MILE MARKERS	4.00	EACH		\$	
1080	06441		GMSS GALV STEEL TYPE C	1,958.00	LB		\$	
1090	06490		CLASS A CONCRETE FOR SIGNS	3.50	CUYD		\$	
1100	06491		STEEL REINFORCEMENT FOR SIGNS	684.00	LB		\$	
1110	20419ND		ROADWAY CROSS SECTION	6.00	EACH		\$	
1120	24631EC		BARCODE SIGN INVENTORY	158.00	EACH		\$	

**Section: 0018 - SIGNALIZATION**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1130	04792		CONDUIT-1 IN	190.00	LF		\$	
1140	04793		CONDUIT-1 1/4 IN	1,980.00	LF		\$	
1150	04795		CONDUIT-2 IN	740.00	LF		\$	
1160	04811		ELECTRICAL JUNCTION BOX TYPE B	28.00	EACH		\$	
1170	04820		TRENCHING AND BACKFILLING	2,455.00	LF		\$	
1180	04830		LOOP WIRE	10,060.00	LF		\$	
1190	04844		CABLE-NO. 14/5C	12,570.00	LF		\$	
1200	04845		CABLE-NO. 14/7C	435.00	LF		\$	
1210	04850		CABLE-NO. 14/1 PAIR	10,110.00	LF		\$	
1220	04885		MESSENGER-10800 LB	1,025.00	LF		\$	
1230	04886		MESSENGER-15400 LB	1,395.00	LF		\$	
1240	04895		LOOP SAW SLOT AND FILL	3,565.00	LF		\$	
1250	04931		INSTALL CONTROLLER TYPE 170	4.00	EACH		\$	
1260	04932		INSTALL STEEL STRAIN POLE	22.00	EACH		\$	
1270	04950		REMOVE SIGNAL EQUIPMENT	2.00	EACH		\$	
1280	06472		INSTALL SPAN MOUNTED SIGN	10.00	EACH		\$	
1290	20093NS835		INSTALL PEDESTRIAN HEAD-LED	18.00	EACH		\$	
1300	20188NS835		INSTALL LED SIGNAL-3 SECTION	30.00	EACH		\$	
1310	20189NS835		INSTALL LED SIGNAL-5 SECTION	2.00	EACH		\$	
1320	20266ES835		INSTALL LED SIGNAL- 4 SECTION	9.00	EACH		\$	
1330	20408ES835		INSTALL LED BEACON-12 IN	10.00	EACH		\$	
1340	21743NN		INSTALL PEDESTRIAN DETECTOR	18.00	EACH		\$	
1350	23157EN		TRAFFIC SIGNAL POLE BASE	105.60	CUYD		\$	
1360	23222EC		INSTALL SIGNAL PEDESTAL	4.00	EACH		\$	
1370	23982EC		INSTALL ANTENNA	4.00	EACH		\$	
1380	24525EC		ADVANCE WARNING FLASHER	1.00	EACH		\$	
1390	24526ED		INSTALL-BEACON CONTROLLER-2 CIRCUIT	1.00	EACH		\$	

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**Section: 0019 - LIGHTING**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1400	04700		POLE 30 FT MTG HT	39.00	EACH		\$	
1410	04701		POLE 40 FT MTG HT	11.00	EACH		\$	
1420	04723		BRACKET 10 FT	32.00	EACH		\$	
1430	04724		BRACKET 12 FT	5.00	EACH		\$	
1440	04725		BRACKET 15 FT	6.00	EACH		\$	
1450	04730		BRACKET C	7.00	EACH		\$	
1460	04740		POLE BASE	43.00	EACH		\$	
1470	04741		POLE BASE IN MEDIAN WALL	7.00	EACH		\$	
1480	04750		TRANSFORMER BASE	43.00	EACH		\$	
1490	04761		LIGHTING CONTROL EQUIPMENT	2.00	EACH		\$	
1500	04773		HPS LUMINAIRE HIGH MAST	7.00	EACH		\$	
1510	04780		FUSED CONNECTOR KIT	100.00	EACH		\$	
1520	04797		CONDUIT-3 IN	760.00	LF		\$	
1530	04800		MARKER	3.00	EACH		\$	
1540	04810		ELECTRICAL JUNCTION BOX	1.00	EACH		\$	
1550	04820		TRENCHING AND BACKFILLING	4,800.00	LF		\$	
1560	04832		WIRE-NO. 12	6,450.00	LF		\$	
1570	04833		WIRE-NO. 8	4,320.00	LF		\$	
1580	04860		CABLE-NO. 8/3C DUCTED	630.00	LF		\$	
1590	04940		REMOVE LIGHTING	1.00	LS		\$	
1600	20391NS835		ELECTRICAL JUNCTION BOX TYPE A	13.00	EACH		\$	
1610	20394ES835		PVC CONDUIT-3 IN- IN MEDIAN BARRIER WALL	1,535.00	LF		\$	
1620	20410ED		MAINTAIN LIGHTING	1.00	LS		\$	
1630	21543EN		BORE AND JACK CONDUIT	745.00	LF		\$	
1640	24589ED		LED LUMINAIRE	43.00	EACH		\$	
1650	24851EC		CABLE-NO. 10/3C DUCTED	5,440.00	LF		\$	

**Section: 0020 - WATERLINE - MCWD**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3050	02220		FLOWABLE FILL	237.00	CUYD		\$	
3060	02289		DOUBLE VEHICULAR WOVEN WIRE GATE	1.00	EACH		\$	
3070	14003		W CAP EXISTING MAIN	8.00	EACH		\$	
3080	14007		W ENCASEMENT STEEL BORED RANGE 2	165.00	LF		\$	
3090	14008		W ENCASEMENT STEEL BORED RANGE 3	330.00	LF		\$	
3100	14013		W ENCASEMENT STEEL OPEN CUT RANGE 2	250.00	LF		\$	
3110	14014		W ENCASEMENT STEEL OPEN CUT RANGE 3	610.00	LF		\$	
3120	14019		W FIRE HYDRANT ASSEMBLY	1.00	EACH		\$	
3130	14023		W FLUSHING ASSEMBLY	6.00	EACH		\$	
3140	14028		W METER 3/4 INCH	22.00	EACH		\$	
3150	14056		W PIPE PVC 02 INCH	55.00	LF		\$	
3160	14057		W PIPE PVC 03 INCH	1,185.00	LF		\$	
3170	14057		W PIPE PVC 03 INCH RSTRND JOINT	185.00	LF		\$	
3180	14058		W PIPE PVC 04 INCH	1,185.00	LF		\$	
3190	14058		W PIPE PVC 04 INCH RSTRND JOINT	185.00	LF		\$	

**PROPOSAL BID ITEMS**

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3200	14059		W PIPE PVC 06 INCH	4,730.00	LF		\$	
3210	14059		W PIPE PVC 06 INCH RSTRND JOINT	585.00	LF		\$	
3220	14060		W PIPE PVC 08 INCH	1,835.00	LF		\$	
3230	14085		W SERV PE/PLST SHORT SIDE 3/4 IN	22.00	EACH		\$	
3240	14089		W TAPPING SLEEVE AND VALVE SIZE 1	8.00	EACH		\$	
3250	14091		W TIE-IN 02 INCH	1.00	EACH		\$	
3260	14094		W TIE-IN 06 INCH	1.00	EACH		\$	
3270	14103		W VALVE 03 INCH	2.00	EACH		\$	
3280	14104		W VALVE 04 INCH	1.00	EACH		\$	
3290	14105		W VALVE 06 INCH	6.00	EACH		\$	
3300	14106		W VALVE 08 INCH	4.00	EACH		\$	
3310	14155		W TIE-IN 01 INCH	1.00	EACH		\$	

**Section: 0021 - WATERLINE-SAYLERSVILLE**

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3320	14003		W CAP EXISTING MAIN	6.00	EACH		\$	
3330	14008		W ENCASMENT STEEL BORED RANGE 3	217.50	LF		\$	
3340	14009		W ENCASMENT STEEL BORED RANGE 4	149.50	LF		\$	
3350	14014		W ENCASMENT STEEL OPEN CUT RANGE 3	609.50	LF		\$	
3360	14015		W ENCASMENT STEEL OPEN CUT RANGE 4	189.00	LF		\$	
3370	14019		W FIRE HYDRANT ASSEMBLY	5.00	EACH		\$	
3380	14021		W FIRE HYDRANT REMOVE	5.00	EACH		\$	
3390	14023		W FLUSHING ASSEMBLY	1.00	EACH		\$	
3400	14025		W METER 1 INCH	2.00	EACH		\$	
3410	14027		W METER 2 INCH	13.00	EACH		\$	
3420	14028		W METER 3/4 INCH	15.00	EACH		\$	
3430	14030		W METER RELOCATE	36.00	EACH		\$	
3440	14031		W METER VAULT	1.00	EACH		\$	
3450	14035		W PIPE DUCTILE IRON 04 INCH WITH NITRILE GASKETS	1,780.00	LF		\$	
3460	14036		W PIPE DUCTILE IRON 06 INCH	222.00	LF		\$	
3470	14036		W PIPE DUCTILE IRON 06 INCH WITH NITRILE GASKETS	3,295.00	LF		\$	
3480	14037		W PIPE DUCTILE IRON 08 INCH	280.00	LF		\$	
3490	14037		W PIPE DUCTILE IRON 08 INCH WITH NITRILE GASKETS	3,107.00	LF		\$	
3500	14056		W PIPE PVC 02 INCH	354.00	LF		\$	
3510	14058		W PIPE PVC 04 INCH	315.00	LF		\$	
3520	14059		W PIPE PVC 06 INCH	50.00	LF		\$	
3530	14060		W PIPE PVC 08 INCH	2,370.00	LF		\$	
3540	14068		W PIPE POLYETHYLENE/PLASTIC 04 INCH	1,281.00	LF		\$	
3550	14069		W PIPE POLYETHYLENE/PLASTIC 06 INCH	3,230.00	LF		\$	
3560	14070		W PIPE POLYETHYLENE/PLASTIC 08 INCH	1,822.00	LF		\$	
3570	14080		W SERV PE/PLST LONG SIDE 3/4 IN	2.00	EACH		\$	
3580	14081		W SERVICE RELOCATE	30.00	EACH		\$	
3590	14082		W SERV PE/PLST SHORT SIDE 1 IN	2.00	EACH		\$	
3600	14084		W SERV PE/PLST SHORT SIDE 2 IN	16.00	EACH		\$	
3610	14085		W SERV PE/PLST SHORT SIDE 3/4 IN	27.00	EACH		\$	

### PROPOSAL BID ITEMS

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3620	14089		W TAPPING SLEEVE AND VALVE SIZE 1	7.00	EACH		\$	
3630	14094		W TIE-IN 06 INCH	13.00	EACH		\$	
3640	14095		W TIE-IN 08 INCH	19.00	EACH		\$	
3650	14104		W VALVE 04 INCH	4.00	EACH		\$	
3660	14105		W VALVE 06 INCH	23.00	EACH		\$	
3670	14106		W VALVE 08 INCH	15.00	EACH		\$	
3680	14113		W VALVE BOX ADJUST	31.00	EACH		\$	
3690	14144		W LINE MARKER	22.00	EACH		\$	

#### Section: 0022 - TRAINEES

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3700	02742		TRAINEE PAYMENT REIMBURSEMENT 1-CEMENT MASON	1,200.00	HOUR		\$	
3710	02742		TRAINEE PAYMENT REIMBURSEMENT 1-GROUP 2, 3 OR 4 OPERATOR	1,400.00	HOUR		\$	

#### Section: 0023 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
3720	02568		MOBILIZATION	1.00	LS		\$	
3730	02569		DEMOBILIZATION	1.00	LS		\$	