

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

Michael W. Hancock, P.E. Secretary

Steven L. Beshear Governor

November 18, 2015

CALL NO. 308 CONTRACT ID NO. 151272 ADDENDUM # 2

Subject: Oldham County, FD04 SPP 093 NEW ROUTE Letting November 20, 2015

(1) Revised - Plan Sheets - R2e & R149

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

Plan revisions are available at <a href="http://www.lynnimaging.com/kytransportation/">http://www.lynnimaging.com/kytransportation/</a>.

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

Sincerely,

Kachel Mille

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

RM:ks Enclosures



An Equal Opportunity Employer M/F/D

					REVISED 11-18-15						
ITEM	DESCRIPTION	UNIT	RING ROAD	KY 53	NEW MOODY LANE / NEW MOODY TIE-IN	BLAKEMORE LANE	TMP	Multi Use Path (left) Multi Use Path (right)		PROJECT	NOTES: (1) WATER IS FOR CAUSED BY MA ESTIMATED @ 3 (2) APPROXIMATEL
1310	REMOVE PIPE	LF	196	182		39				417	(3) TOTAL INCLUDE FOR SLOPE ST
1585 1811	REMOVE DROP BOX INLET STANDARD CURB AND GUTTER MOD	LF	1 35158							35158	FOR SLOPE ST.
1987	DELINEATOR FOR GUARDRAIL - BI-DIRECTIONAL WHITE	EACH		18						18	(4) QUANTITY PRO PLATFORM IN DIRECTED BY
2014	BARRICADE-TYPE III	EACH	707				25			25	DIRECTED BY
2091 2159	REMOVE PAVEMENT   TEMP DITCH	SQYD LF	323							323 7700	5 FOR MAINTAINI DURING CONSTR
2160	CLEAN TEMP DITCH	LF								3850	
2200	ROADWAY EXCAVATION (1) (3)     GRANULAR EMBANKMENT (4)	CUYD	175							351494	6 INCLUDES ALL & CONTROL TF
2223	WATER (1)	CUYD MGAL	135							135 2482	(7) INCLUDES ALL AND REMOVE T
2351	GUARDRAIL - STEEL W BEAM - S FACE	LF	37.5	1012.5						1050	(8) INCLUDES RAM
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2							2	
2367	GUARDRAILENDTREATMENTTYPE1GUARDRAILENDTREATMENTTYPE7	EACH EACH		2			8				(9) SEE STRIPING
2381	REMOVE GUARDRAIL	LF		1789						1789	INCLUDES AN ORANGE SILT I WETLANDS AND CONSTRUCTION ENGINEER. INCL FOR 50' BUFFE SENSITIVE LOC ENGINEER. ORA COVERED WITH DE NO ADDITION
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH		3						3	WETLANDS AND CONSTRUCTION
2396	REMOVE GUARDRAIL END TREATMENT TEMP GUARDRAIL	LF		5			812.5			5 812.5	ENGINEER. INC
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	65	19	2		012:0			86	SENSITIVE LOC
2432	WITNESS POST	EACH	65	19	2					86	COVERED WITH
2488 2545	CHANNEL LINING CLASS IV (3) CLEARING AND GRUBBING (2)	CUYD	4443	1112	277	127				5959	DE NU ADDITI
2545	CONCRETE-CLASS B	LS CUYD	302							302	(1) THE WORKING ROADWAY EXCA BE MADE FOR
2562	TEMPORARY SIGNS (5)	SQFT					255			255	BE MADE FOR PLATFORM MA
2568	MOBILIZATION	LS									PLATFORM MA IN ACCORDANC SPECIFICATION
2569 2585	DEMOBILIZATION EDGE KEY	LS LF	84	46	20	20				1	
2596	FABRIC-GEOTEXTILE TYPE 1 13	SQYD	6933	2432	487	301				10153	(2) INCLUDES 1208 PATH (RIGHT S (RIGHT SIDE) W
2599	FABRIC-GEOTEXTILE TYPE IV (4)	SQYD								83300	
2625 2650	REMOVE HEADWALL MAINTAIN & CONTROL TRAFFIC 6	LS EACH	8	1		2				11 1	13 INCLUDES ADD DEWATERING P
2651	DIVERSIONS (BY-PASS DETOURS) (7)	LS								I I I	DETAILS.
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH								4	(14) FOR GRAVITY (15) FOR 3-SIDED (
2701	TEMP SILT FENCE 1	LF								31696	
2703	SILT TRAP TYPE A SILT TRAP TYPE B	EACH EACH								32	
2705	SILT TRAP TYPE C	EACH								151	
2706	CLEAN SILT TRAP TYPE A	EACH								32	EARTHW
2707	CLEAN SILT TRAP TYPE B CLEAN SILT TRAP TYPE C	EACH EACH								108 453	ESTIMATE CALCULAT
2720	SIDEWALK-4 IN CONCRETE (8)	SQYD						11737		11737	I THE CONT
2726	STAKING	LS								1	THE CALC INFORMAT
5950 5952	EROSION CONTROL BLANKET (3) (3) TEMP MULCH	SQYD SQYD	4611	1618	1273					34864	SHRINKAGE The conti
5953	TEMP SEEDING AND PROTECTION	SQTD								87919	
5956	CORRECTIVE SEEDING-SEED 3	LBS								210	E/
5963	INITIAL FERTILIZER	TON								8	297606 CUYD C 36763 CUYD RO
5964 5985	20-10-10 FERTILIZER SEEDING AND PROTECTION	TON SQYD	122281	33430	7080	2331				13 165122	9362 CUYD IRAI
5990	SODDING (2)	SQYD	42150							54231	7763 CUYD PONE 351494 CUYD TC
5992	AGRICULTURAL LIMESTONE	TON								156	
6510 6514	PAVE STRIPING-TEMP PAINT-4 IN 9 PAVE STRIPING-PERM PAINT-4 IN 9	LF	58072	11859				950 -1050-		7500	145057 CUYD EM 2217 CUYD REFIL
6516	PAVE STRIPING-PERM PAINT-4 IN (9)	LF LF								583	147274 CUYD TO
6566	PAVE MARKING-THERMO X-WALK-12 IN 9	LF						2812 -2751-		2812	
6568	PAVE MARKING-THERMO STOP BAR-24IN 9									649	
6574 6575	PAVE MARKING-THERMO CURV ARROW (9) PAVE MARKING-THERMO COMB ARROW (9)	EACH EACH								47	
6576	PAVE MARKING-THERMO ONLY (9)	EACH									] [
8001	STRUCTURE EXCAVATION-COMMON (5)	CUYD		674						674	GENE
8002	STRUCTURE EXCAVATION-SOLID ROCK (5)	CUYD	1075							1075	

## 5-8708.00 R2E OLDHAM NOTES: (1) WATER IS FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC AND IS ESTIMATED @ 850 M GALLONS PER MILE (2) APPROXIMATELY 71.23 ACRES (3) TOTAL INCLUDES AN ADDITIONAL 24492 SQYD FOR SLOPE STABILIZATION ON STEEP SLOPES (4) QUANTITY PROVIDED TO WRAP WORKING PLATFORM IN EMBANKMENT AREAS OR AS DIRECTED BY THE ENGINEER (5) FOR MAINTAINING AND CONTROLLING TRAFFIC DURING CONSTRUCTION (6) INCLUDES ALL NECESSARY ITEMS TO MAINTAIN & CONTROL TRAFFIC (7) INCLUDES ALL NECESSARY ITEMS TO CONSTRUCT AND REMOVE THE DIVERSION (8) INCLUDES RAMPS (9) SEE STRIPING SHEETS 1 INCLUDES AN ADDITIONAL QUANTITY FOR THE ORANGE SILT FENCE TO BE PLACED AT WETLANDS AND OTHER WATERS WITHIN CONSTRUCTION LIMITS AS DIRECTED BY THE ENGINEER. INCLUDES AN ADDITIONAL QUANTITY FOR 50' BUFFER PERIMETER (2 RUNS) AT THE SENSITIVE LOCATION AS DIRECTED BY THE ENGINEER. ORANGE SILT FENCE PAYMENT IS COVERED WITH THIS BID ITEM AND THERE WILL BE NO ADDITIONAL PAYMENT FOR SAID ITEM. (1) THE WORKING PLATFORM IS INCIDENTAL TO ROADWAY EXCAVATION AND NO PAYMENT WILL BE MADE FOR SAID ITEM. THE WORKING PLATFORM MAY CONSIST OF ROCK EMBANKMENT IN ACCORDANCE WITH SECTION 206 OF CURRENT SPECIFICATIONS (12) INCLUDES 12081 SQYD SODDING FOR MULTI USE PATH (RIGHT SIDE) AREA - MULTI USE PATH (RIGHT SIDE) WILL BE DONE BY OTHERS (3) INCLUDES ADDITIONAL QUANTITY FOR POND DEWATERING PLAN. SEE SHEET R128 FOR DETAILS. (4) FOR GRAVITY WALL (15) FOR 3-SIDED CULVERT **EARTHWORK CALCULATION NOTE:** ESTIMATE FOR EARTHWORK CALCULATIONS ARE FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE CALCULATIONS SHOWN ARE FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY. EARTHWORK TOTALS 297606 CUYD COMMON 36763 CUYD ROCK (TOTAL ROCK = ROCK + REFILL) 9362 CUYD TRANSVERSE BENCHING 7763 CUYD POND GRADING 351494 CUYD TOTAL EXCAVATION 145057 CUYD EMBANKMENT 2217 CUYD REFILL 147274 CUYD TOTAL EMBANKMENT

ITEM NO.

COUNTY OF

SHEET NO.

GENERAL SUMMARY SHEET

GENERAL SUMMARY									COUNTY OF ITEM NO. SHEET				
			Q			ш					ΝΟΤ	ES:	OLDHAM 5-8708.00 R2E
ITEM	DESCRIPTION	UNIT	RING ROA	KY 53	NEW MOODY LANE / NEW MOODY TIE-IN	BLAKEMOR LANE		TMP MULTI USE PATH (LEFT)	MULTI USE PATH (RIGHT)	PROJECT	(1) W C E	ATER IS FOR Aused by Ma Stimated @	REVISED 11-18-15 CONTROLLING DUST INTAINING TRAFFIC AND IS 850 M GALLONS PER MILE
1310	REMOVE PIPE	LF	196	182		39				417	1 0		Y 71.23 ACRES
1585	REMOVE DROP BOX INLET	LF	1									DR SLOPE ST	ES AN ADDITIONAL 24492 SQYD Abilization on steep slopes
1811	STANDARD CURB AND GUTTER MOD	LF EACH	35158	18						35158 18		IANTITY PRO	VIDED TO WRAP WORKING
1987 2014	DELINEATOR FOR GUARDRAIL - BI-DIRECTIONAL WHITE BARRICADE-TYPE III	EACH		10				25		25		ATFORM IN	VIDED TO WRAP WORKING EMBANKMENT AREAS OR AS THE ENGINEER
2091	REMOVE PAVEMENT	SQYD	323							323			
2159 2160	TEMP DITCH   CLEAN TEMP DITCH	LF LF								7700 3850			NG AND CONTROLLING TRAFFIC RUCTION
2200	ROADWAY EXCAVATION (1) (3)	CUYD								351494	- 6 IN &	ICLUDES ALL CONTROL TF	NECESSARY ITEMS TO MAINTAIN AFFIC
2223	GRANULAR EMBANKMENT (14)	CUYD	135							135			NECESSARY ITEMS TO CONSTRUC HE DIVERSION
2242 2351	WATER () GUARDRAIL - STEEL W BEAM - S FACE	MGAL LF	37.5	1012.5						2482 1050		ND REMOVE T	HE DIVERSION
2360	GUARDRAIL TERMINAL SECTION NO 1	EACH	2							2	- <u>8</u> IN	ICLUDES RAM	25
2367	GUARDRAIL END TREATMENT TYPE 1	EACH		2				0		2	9 SI	EE STRIPING	SHEETS
2371 2381	GUARDRAIL END TREATMENT TYPE 7     REMOVE GUARDRAIL	LF EACH		1789				8		<u> </u>		ICLUDES AN A	ADDITIONAL QUANTITY FOR THE
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH		3						3		ETLANDS AND	ADDITIONAL QUANTITY FOR THE FENCE TO BE PLACED AT OTHER WATERS WITHIN LIMITS AS DIRECTED BY THE
2396 2397	REMOVE GUARDRAIL END TREATMENT	EACH LF		5			01	12.5		5 812.5		NGINEER. INC	LIMITS AS DIRECTED BT THE LUDES AN ADDITIONAL QUANTITY R PERIMETER (2 RUNS) AT THE ATION AS DIRECTED BY THE NGE SILT FENCE PAYMENT IS
2397	TEMP GUARDRAIL   RIGHT-OF-WAY MONUMENT TYPE 1	EACH	65	19	2		01	12.5		812.5		ENSITIVE LOC	ATION AS DIRECTED BY THE
2432	WITNESS POST	EACH	65	19	2					86		VERED WITH	THIS BID ITEM AND THERE WILL NAL PAYMENT FOR SAID ITEM.
2488 2545	CHANNEL LINING CLASS IV (13) CLEARING AND GRUBBING (2)	CUYD LS	4443	1112	277	127				5959			INAL PAYMENT FOR SAID ITEM.
2555	CONCRETE-CLASS B	CUYD	302							302	$- \begin{array}{c} (1) \\ R \\ R \end{array}$	HE WORKING H Dadway Exca	PLATFORM IS INCIDENTAL TO VATION AND NO PAYMENT WILL SAID ITEM. THE WORKING CONSIST OF ROCK EMBANKMENT
2562	TEMPORARY SIGNS (5)	SQFT					2	255		255	T C BE	E MADE FOR _atform _mai	SAID ITEM. THE WORKING ' CONSIST OF ROCK EMBANKMENT
2568 2569	MOBILIZATION   DEMOBILIZATION	LS LS										PECIFICATION	s with Section 206 of Current
2585	EDGE KEY	LF	84	46	20	20				170		ICLUDES 1208	I SQYD SODDING FOR MULTIUSE IDE) AREA - MULTIUSE PATH
2596	FABRIC-GEOTEXTILE TYPE 1 (3)	SQYD	6933	2432	487	301				10153		IGHT SIDE) W	ILL BE DONE BY OTHERS
2599 2625	FABRIC-GEOTEXTILE TYPE IV (4) REMOVE HEADWALL	SQYD EACH	8	1		2				83300	[] [] [N	ICLUDES ADD	TIONAL QUANTITY FOR POND
2650	MAINTAIN & CONTROL TRAFFIC 6	LS								1		EWATERING P Etails.	AN. SEE SHEET R128 FOR
2651 2671	DIVERSIONS (BY-PASS DETOURS) 7	LS									$\cup$	DR GRAVITY	
2701	PORTABLE CHANGEABLE MESSAGE SIGN     TEMP SILT FENCE	LF								31696	- (15) F (	DR 3-SIDED (	CULVERT
2703	SILT TRAP TYPE A	EACH								32	-		
2704 2705	SILT TRAP TYPE B SILT TRAP TYPE C	EACH EACH								36	-		
2706	CLEAN SILT TRAP TYPE A	EACH								32	-	FARTHW	ORK CALCULATION NOTE:
2707	CLEAN SILT TRAP TYPE B	EACH								108	_		
2708 2720	CLEAN SILT TRAP TYPE C SIDEWALK-4 IN CONCRETE (8)	EACH SQYD						11737		453	-	THE CONTR	ACTOR IS ADVISED THAT
2726	STAKING	LS								1	1	INFORMATI	FOR EARTHWORK ONS ARE FOR DESIGN ONLY. RACTOR IS ADVISED THAT ILATIONS SHOWN ARE FOR ON ONLY. ASSUMPTIONS FOR AND SWELL FACTORS ARE
5950 5952	EROSION CONTROL BLANKET (3) (3) TEMP MULCH	SQYD SQYD	4611	1618	1273					34864       117225	-	SHRINKAGE The contf	AND SWELL FACTORS ARE Actor's responsibility.
5952	TEMP MULCH TEMP SEEDING AND PROTECTION	SQYD								87919			
5956	CORRECTIVE SEEDING-SEED 3	LBS								210	]		ARTHWORK TOTALS
5963 5964	INITIAL FERTILIZER 20-10-10 FERTILIZER	TON								8 13	297	606 CUYD CO 63 CUYD ROO	OMMON CK (TOTAL ROCK = ROCK + REFILI
5985	SEEDING AND PROTECTION	SQYD	122281	33430	7080	2331				165122	- 936 776	2 CUYD TRAI	OMMON CK (TOTAL ROCK = ROCK + REFILI NSVERSE BENCHING O GRADING
5990	SODDING (2)	SQYD	42150							54231	351	494 CUYD TC	TAL EXCAVATION
5992 6510	AGRICULTURAL LIMESTONE PAVE STRIPING-TEMP PAINT-4 IN 9	LF								156 7500		057 CUYD EN	RANKMENT
6514	PAVE STRIPING-PERM PAINT-4 IN 9		58072	11859				950	-1050-	70881	221	<u>7 CUYD REFII</u>	<u>    L                                </u>
6516	PAVE STRIPING-PERM PAINT-8 IN 9	LF LF						2812	-2751	583       2812	$\left  \right ^{14}$	214 LUYD 10	TAL EMBANKMENT
6566 6568	PAVE MARKING-THERMO X-WALK-12 IN 9 PAVE MARKING-THERMO STOP BAR-24IN 9	LF LF						2812		649	┨└───		
6574	PAVE MARKING-THERMO CURV ARROW 9	EACH								47	1		
6575 6576	PAVE MARKING-THERMO COMB ARROW (9) PAVE MARKING-THERMO ONLY (9)	EACH EACH									┤ ┍━━		
8001	STRUCTURE EXCAVATION-COMMON (15)	CUYD		674						674	1		RAL SUMMARY SHEET
8002	STRUCTURE EXCAVATION-SOLID ROCK (15)	CUYD	1075							1075	]	UENE	NAL JUIVIIVIAN I JUELI

- incidental to the roadway price.

- of this material is incidental to the unit bid price for roadway excavation.

- laboratory determined moisture-density curves will be used to establish the moisture-density criteria in the field.

- Section 845 of the Standard Specifications.

Station	247+00	Station	308+00
Station	269+50	Station	321+50
Station	282+00	Station	1428+00
Station	292+00		

16. Transverse benches with perforated pipe underdrains shall be placed in accordance with Standard Drawings RDP-005 and RDP-006 at the following locations and wher

Station	247+50	Station	295+75
Station	253+25	Station	307+75
Station	279+75	Station	309+60
Station	283+40	Station	317+50
		Station	1427+00

17. Pavement design is based on a CBR value of 2. All fill placed within 2 feet of subgrade shall have a CBR value of at least 2.

1. The contractor is responsible for conducting any operations necessary (such as construction of temporary drainage ditches, etc.) in order to excavate the cut

2. Clearing and grubbing of roadway areas shall be completed in accordance with the requirements of Section 202 of the current Standard Specifications for Road ar

3. The contractor shall construct foundation embankment benches and transverse benches as indicated on the plans and/or as directed by the Engineer, prior to plan

4. Any undercutting at or near grade due to soft or wet subsurface conditions shall be backfilled with structural soil fill for chemical stabilization. Positive drainage

5. The contractor shall conduct grading operations in such a manner that soil free of rock fragments larger than 4-inches from roadway excavation be stockpiled se Standard Specifications for Road and Bridge Construction. No direct payment will be allowed for such necessary manipulating as stockpiling, hauling and/or handling

6. Any saturated, unstable material encountered in the existing creek beds and/or drainage swales within embankment foundation limits shall be excavated and replace in accordance with Sections 206 of the current Standard Specifications. KYTC No. 2, No. 3 or No. 23 sized stone wrapped with Type IV Geotextile Fabric in accorda specifications will also be permitted. Positive drainage shall be maintained to prevent trapping water within the roadway embankment. The placement

7. Excavation of surface ditches and channel changes adjacent to embankment areas shall be performed prior to the placement of the adjacent embankment. The mat for embankment construction if dried to proper moisture content in accordance with Section 206 of the current Standard Specifications.

8. To provide a working platform for embankment construction as needed in areas which are soft, saturated or yeilding, a minimum one (1) foot thick layer of Rock Standard Specifications shall be installed in place of all soft and/or saturated foundation areas that may be detected during construction and/or to fill and stabi construction, as directed by the Engineer. KYDOT No. 2, No. 3 or No. 23 sized stone wrapped with Type IV Geotextile Fabric in accordance with Sections 214 and 843 Actual thickness and locations of the working platform will be determined by the Engineer during construction. The cost of placing the working platform shall be

9. In accordance with Section 206 of the current Standard Specifications, the moisture content of embankment subgrade material shall not vary from the optimum mo less than -2 percent. This moisture content requirement shall have equal weight with the density requirement when determining the acceptability of embankment or

10. All soils, whether from roadway or borrow, may require manipulation to obtain proper moisture content prior to compaction. Direct payment shall not be permitted

11. The majority of soil horizons and slopes on the project are subject to erosion. Necessary procedures in accordance with Section 212 and 213 of the current Stan construction to control the erosion and water pollution. Positive drainage facilities such as slotted drains and/or bituminous wedge curbs may be necessary to cc

12. All cut intervals shall be constructed with soil cuts of 2:1 or flatter slopes with the exception of the limestone cuts between STA. 248+00 and STA. 252+00. 270+50

13. In areas where the existing pavement will need to be removed, it is likely that the existing subgrade will be wet and soft. Therefore, we recommend using a one current edition of Section 805 of the Standard Specifications for Road and Bridge Construction, and shall be classified as non-erodible. The durable limestone sha

14. Several underground utilities were noted within the construction limits. Appropriate treatment, as outlined in the Standard Specifications, shall apply.

15. Perforated pipe for subgrade drainage shall be placed in vertical sags in accordance with RDP-005 at the following approximate locations and/or where designated

	COUNTY OF	ITEM NO.	SHEET NO.
	OLDHAM	5-8708.00	R149
	RE	VISED 11-1	8-15
areas to the required typical section. These c	perations shall	be	
and Bridge Construction before embankment plac	cement.		
acement of embankments in areas requiring suc	h benches.		
, shall be maintained through the cut as directe	ed by the Engin	eer.	
separately meeting the specifications in Sectior g the material.	n 208 of the cu	rrent	
ed with a one-foot thick layer of Rock Embank ance with Sections 2014 and 843 of hte current			
aterial excavated for the channel changes and s	surface ditches	is suitable	)
Embankement in accordance with Sections 206 bilize the existing drains located within the limi 3 of the current Standard Specifications will al incidental to the unit price bid for roadway ex	ts of the road so be accepted	way embank	kment
noisture content as determined by AASHTO T99 b or subgrade construction. The published KTC fam	•	•	or
d for re-handling, hauling, stockpiling, and/or m	anipulating soils	- -	
ndard Specifications for Road and Bridge Const control the erosion on the soil embankments.	ruction shall be	followed c	n
to 274+50 and 298+00 to 301+50, which shall have	e a rock cut sl	ope of $\frac{1}{2}$ :	1.
(1)foot thick layer KYDOT #2, #3, or #23 sized s allbe wrapped with Type IV geotextile fabric in			the
by the engineer.			
re designated by the engineer.			

GEOTECHNICAL NOTES

MicroStation v8.11.7.443										
.3 E-SHEET NAME: R14900GT										
USER: patrick.matheny DATE PLOTTED: Novembe	17.	Station 247+50 Station 253+25 Station 279+75 Station 279+75 Station 283+40 Station 1427+00 Pavement design is based on a CBR value of 2. All fill placed within								
natheny November 18,	16.	Transverse benches with perforated pipe underdrains shall be place Station 247+50 Station 295+75								
, 2015		Station 247+00 Station 308+00 Station 269+50 Station 321+50 Station 282+00 Station 1428+00 Station 292+00								
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ILE NAME: C:\PWWORK\P	14.	Several underground utilities were noted within the construction li								
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RICK. MA	11.	The majority of soil horizons and slopes on the project are subject construction to control the erosion and water pollution. Positive								
THENY	10.	All soils, whether from roadway or borrow, may require manipulation								
ATRICK.MATHENY\D1124137\R149	9.	In accordance with Section 206 of the current Standard Specifica less than -2 percent. This moisture content requirement shall have laboratory determined moisture-density curves will be used to este								
900GT_11-18-15.DGN	( 8.	To provide a working platform for embankment construction as ne Standard Specifications shall be installed in place of all soft and/o construction, as directed by the Engineer. KYDOT No. 2, No. 3 or N Actual thickness and locations of the working platform will be dete								
Z	С. 7.	Excavation of surface ditches and channel changes adjacent to em for embankment construction if dried to proper moisture content								
	6.	Any saturated, unstable material encountered in the existing creek in accordance with Sections 206 of the current Standard Specific specifications will also be permitted. Positive drainage shall be main of this material is incidental to the unit bid price for roadway exc								
	5.	The contractor shall conduct grading operations in such a manner Standard Specifications for Road and Bridge Construction. No dire								
	4.	Any undercutting at or near grade due to soft or wet subsurfac								
	3.	The contractor shall construct foundation embankment benches and								
	2.	Clearing and grubbing of roadway areas shall be completed in acco								
	1.	The contractor is responsible for conducting any operations necesincidental to the roadway price.								

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rdance with the requirements of Section 202 of the current Standard Specifications for Road an

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ct to erosion. Necessary procedures in accordance with Section 212 and 213 of the current Stand drainage facilities such as slotted drains and/or bituminous wedge curbs may be necessary to co

er slopes with the exception of the limestone cuts between STA. 248+00 and STA. 252+00, 270+50  $^{-1}$ 

is likely that the existing subgrade willbe wet and soft. Therefore, we recommend using a one (1 or Road and Bridge Construction, and shallbe classified as non-erodible. The durable limestone shal

imits. Appropriate treatment, as outlined in the Standard Specifications, shall apply.

sags in accordance with RDP-005 at the following approximate locations and/or where designated l

ed in accordance with Standard Drawings RDP-005 and RDP-006 at the following locations and wher

n 2 feet of subgrade shall have a CBR value of at least 2.

	COUNTY OF	ITEM NO.	SHEET NO.
	OLDHAM	5-8708.00	R149
	REVISED 1	1-18-15	
areas to the required typical section. These operat	tions shall	be	
nd Bridge Construction before embankment placemen	+.		
acement of embankments in areas requiring such ber	nches.		
shall be maintained through the cut as directed by	the Engine	eer.	
eparately meeting the specifications in Section 208	of the cu	rrent	
d with a one-foot thick layer of Rock Embankement Ince with Sections 2014 and 843 of hte current star	-		
	uuu	u)	
terial excavated for the channel changes and surfac	ce ditches	is suitable	
Embankement in accordance with Sections 206 of the ilize the existing drains located within the limits of of the current Standard Specifications will also be incidental to the unit price bid for roadway excava	ne current the road e accepted tion.	way embank •	3
pisture content as determined by AASHTO T99 by mor - subgrade construction. The published KTC family o	re than +2	percent d	or
for re-handling, hauling, stockpiling, and/or manipul	ating soils	•	
ndard Specifications for Road and Bridge Construction on the soil embankments.	on shall be	followed c	n
to 274+50 and 298+00 to 301+50, which shall have a r	ock cut sl	ope of $\frac{1}{2}$	1.
1) foot thick layer KYDOT #2, #3, or #23 sized stone	in accorde	ince with t	he
all be wrapped with Type IV geotextile fabric in acco			
by the engineer.			
e designated by the engineer.			

GEOTECHNICAL NOTES