KENTUCKY T	ANSPORTATION	CABINET			TC 40-2					
Depar	v. 03/2017									
DIVISION OF	Page		1 of 1							
ENGINEERING AND RELATED SERVICES FEE PROPOSAL										
SECTION 1: PROJECT INFORMATION DATE: September 6, 2017 COUNTY:	Fayet									
DATE:September 6, 2017COUNTY:PROJECT:Old Todds Road	TEM #:	N/	A							
SECTION 2: BUDGET INFORMATION										
	EST	IMATED								
FEE CONSIDERATIONS	MAN HOURS	MAN HOURS	RATE		COST					
A. SURVEY	97	97	\$44.40	\$	4,307					
B. PRELIMINARY LINE AND GRADE	92	92	\$46.08	\$	4,239					
C. UTILITY RELOCATION COORDINATION	4	4	\$46.08	\$	184					
D. RIGHT OF WAY PLANS	47	47	\$46.08	\$	2,166					
E. FINAL PLANS	350	350	\$46.08	\$	16,128					
F. MEETINGS	34	34	\$55.20	\$	1,877					
G. PUBLIC INVOLVEMENT	10	10 .	\$55.20	\$	552					
				\$	-					
				\$	-					
	62.4		A 10.10	\$	-					
TOTAL PRODUCTION HOURS	634	634 TOTAL DID	\$ 46.46	~	20.452					
	\$ \$	29,453								
	<pre>(175.76%) (15.00%)</pre>	\$ \$	51,767							
	\$	12,183 153								
		OST OF MONEY	(0.52%)	Ŷ	135					
DIRECT CO	STS			AN	/IOUNT					
See Attached					\$6,163					
		TOTAL D	IRECT COSTS	\$	6,163					
SUBCONSULT	ANTS			AN	IOUNT					
	(8)									
		70741 0115 00								
	NSULTANTS	\$	-							
			OPOSED FEE	\$	00.710					
		TOTAL PR		Ş	99,719					
SECTION 3: SIGNATURE										
FIRM NAME:, Palmer Englacering		SIGNED BY: S	Lake Could	/						
			repara sewen							
Ahill	Vice President		9-	7-17						
CONSULTANT SIGNATURE		ITLE		DAT						
			i.							
PROFESSIONAL SERVICES SIGNATURE	Т	ITLE		DAT	E					

		PRODUCTION-HOUR W	ORK	SHEE	(revised	d 7/14)	
COL	JNTY	Fayette		PROJEC	CT TYPE		
ROL		Old Todds Road		CONSU			PALMER
DES		Old Todds Road Sidewalks		REVIEW			
				PREPAR			SDS
ITEN	M NO.			DATE			
		SURVEY					
No.		ITEM	CREW	UNIT		HRS/UNIT	
		RECONNAISSANCE		1 1			<u></u>
1	Contr	rol - (existing)	1	Mile	0.4	4	2
2		es - (data gathering, identification & contact)	1	No.	6	1	2
3		age - (sink holes, streams, pipes, etc.)	1	Mile	0.4	4	2
0	Diam	CONTROL		Nillo	0.1		
4	Horiz		2	Mile	0.4	8	6
5	Vertic		2	Mile	0.4	8	6
6		ess data	1	Mile	0.4	8	3
0	11000	PLANIMETRIC SURVEY		IVIIIC	0.4	0	<u>_</u>
7	Plani	metric location (complete)	2	Mile	0.4	8	6
8		urface Utility Engineering, Quality Levels C & D	1	Mile	0.4	8	3
9		urface Utility Engineering, Quality Level B	1	LS	0.4	0	0
10		urface Utility Engineering, Quality Level A	1	LS			0
10		ess data	1	Mile			0
11	11000	TERRAIN SURVEY	1	IVIIIC			
12	DTM	data collection (Items 11-18 not required if used)	2	Acre	5	4	40
13		/ terrain model accuracy	2	Mile	5	T	
14	Tie-ir		2	No.			0
15		age situations survey (Bridge)	2	No.			0
16		age situations survey (Culvert)	2	No.			0
17		age pipe section (non-situation size)	2	No.			0
18		I plain data	2	No.			0
10		bad Surveys	2	No.			0
20			2	Acre			0
20		ional necessary DTM data <i>(specify pickup or update)</i>	<u> </u>	Mile	0.4	20	8
21	PIOCE		I	IVIIIe	0.4	20	0
20	Cont	ESTABLISH PROPERTY LINES & OWNERSHIP	1	Dorcol			0
22		act & Interview Property Owners	1	Parcel	4 5	1	15
23	rieid	tie property lines/corners STAKING	I	Parcel	15	1	15
04	Stale	e centerlines, approaches, detours	0	Mile			
24 25		e core holes - structures (unit is per structure)	2	No.			0
 	-	e core holes - roadway (unit is per core hole)	2	No.			0
20	JIAN	SURVEY MISCELLANEOUS	۷	INU.			
27	Doto	mine roadway elevations (Crown and EP)	2	Mile			0
27			2				0
28		onmental areas	2	No.			0
29							-
		SURVEY TOTAL					97

		PRODUCTION-HOUR W	/ORKS	SHEE	(revise	d 7/14)	
COL	JNTY	Fayette		PROJ	ECT TYPE		
ROL		Old Todds Road		CONS	SULTANT		PALMER
DES	C	Old Todds Road Sidewalks		REVIE	WED BY		
				PREP	ARED BY		SDS
ITEN	I NO.			DATE			
	P	RELIMINARY LINE AND GRADI	Ξ				
No.		ITEM		UNIT		HRS/UNIT	
30	Comp	outer setup		LS	1	4	4
31	Prepa	are existing manuscripts		Mile			0
32	Estab	lish approximate property lines and ownership		Parcel	15	0.5	8
33		and develop typical sections		No.	2	2	4
34	Study	and develop horizontal alignments		Mile	0.4	20	8
35	Study	and develop vertical alignments		Mile	0.4	20	8
36	Creat	e and evaluate proposed roadway models		Mile	0.4	40	16
37	Desig	n entrances/Tie-ins		No.	3	4	12
38	Pre-s	ize pipes (all alternates)		No.	10	2	20
		ize culverts (all alternates)		No.			0
40	Pre-s	ize bridges (all alternates)		No.			0
41a	Cond	uct Traffic Engineering Analysis (Basic; HCM Procedu	ires)	Int			0
		uct Traffic Engineering Analysis (Advanced; Micro-sim		Int			0
42	Study	and development of interchange	-	No.			0
43	Study	and development of intersection		No.			0
44	Study	and develop maintenance of traffic plan		LS			0
45		print copies of plans for team meeting and inspections		LS	1	4	4
46	Calcu	late preliminary quantities and develop cost estimates	3	Alt.	1	8	8
47		e plans and estimates		LS			0
48	Prelin	ninary Right of Way with taking areas		Parcel			0
49	Prepa	are Design Executive Summary		LS			0
50	Deve	lop/document "Avoidance Alternatives to Water Relate	ed Impacts"	LS			0
		PRELIMINARY LINE & GRADE MISCELLANEOUS		r I			
51							0
52							0
53							0
54							0
55							0
		PRELIMINARY LINE AND GRADE TOTAL					92

PRODUCTION-HOUR V	NORK	SHEE	(revise	ed 7/14)		
COUNTY Fayette		PROJ	ECT TYPE			
ROUTE Old Todds Road		CONSULTANT				
DESC Old Todds Road Sidewalks		REVIE	WED BY			
		PREP	ARED BY		SDS	
ITEM NO.		DATE				
UTILITY COORDINATION						
No. ITEM	PERSONS	UNIT		HRS/UNIT		
56 Utility Coordination Meeting	1	No.	2	2	4	
57 Develop Utility Relocation Layout Sheets (1"=200')		Mile			0	
58 Develop Utility Relocation Plans (1"=50')		Mile			0	
UTILITY COORDINATION MISCELLANEOUS						
59						
UTILITY COORDINATION TOTAL					4	
		UNIT		HRS/UNIT		
60 Deed research		Parcel	15	1	15	
61 Establish property and ownership		Parcel	15	1	15	
62 Calculate Right of Way		Parcel	3	1	3	
63 Prepare legal descriptions		Parcel	3	1	3	
64 Complete Right of Way summary sheet		Parcel	3	1		
					3	
65 Generate Right of Way strip map (scale $1'' = 200'$)			1		3	
65 Generate Right of Way strip map (scale 1" = 200') 66 Prepare Right of Way Plans Submittal		Sheet		4	4	
66 Prepare Right of Way Plans Submittal		Sheet LS		4	4 4	
 66 Prepare Right of Way Plans Submittal 67 Right of Way revisions after Right of Way submittal 		Sheet LS LS		4	4 4 0	
 66 Prepare Right of Way Plans Submittal 67 Right of Way revisions after Right of Way submittal 68 Deed Research for Existing Alignments 		Sheet LS		4	4 4	
 66 Prepare Right of Way Plans Submittal 67 Right of Way revisions after Right of Way submittal 68 Deed Research for Existing Alignments 69 Deed Research for Existing Parcels 		Sheet LS LS LS		4	4 4 0 0	
 66 Prepare Right of Way Plans Submittal 67 Right of Way revisions after Right of Way submittal 68 Deed Research for Existing Alignments 69 Deed Research for Existing Parcels 		Sheet LS LS LS Parcel		4	4 4 0 0 0	
 66 Prepare Right of Way Plans Submittal 67 Right of Way revisions after Right of Way submittal 68 Deed Research for Existing Alignments 69 Deed Research for Existing Parcels 70 Prepare Legal Descriptions for Right of Way transfer 		Sheet LS LS LS Parcel		4	4 4 0 0 0	
 66 Prepare Right of Way Plans Submittal 67 Right of Way revisions after Right of Way submittal 68 Deed Research for Existing Alignments 69 Deed Research for Existing Parcels 70 Prepare Legal Descriptions for Right of Way transfer R/W PLANS MISCELLANEOUS 		Sheet LS LS LS Parcel		4 4	4 4 0 0 0 0	
66Prepare Right of Way Plans Submittal67Right of Way revisions after Right of Way submittal68Deed Research for Existing Alignments69Deed Research for Existing Parcels70Prepare Legal Descriptions for Right of Way transferR/W PLANS MISCELLANEOUS71Plat Development		Sheet LS LS LS Parcel		4 4	4 4 0 0 0 0 0	

	PRODUCTION-HOUR W	ORKSHEET	(revise	ed 7/14)	
COL	JNTY Fayette	PROJECT	TYPE		
ROL		CONSULT	ANT		PALMER
DES	C Old Todds Road Sidewalks	REVIEWE	D BY		
		PREPARE	D BY		SDS
ITEN	M NO.	DATE		4	
	FINAL PLAN PREPARATION				
No.	ITEM	UNIT		HRS/UNIT	
80	Computer setup	LS	1	2	2
81	Update existing topography and terrain model	Mile			0
82	Refine alignments (horizontal & vertical)	Mile	0.4	8	3
83	Develop pavement design	No.			0
84	Finalize templates & transitions	No.			0
85	Develop final roadway model	Mile	0.4	40	16
86	Develop proposed design	Mile	0.4	40	16
87	Generate plan sheets (scale 1" = 20')	Sheet	4	8	32
88	Generate profile sheets (scale $1'' = 20'$)	Sheet	4	8	32
89	Detail cross sections (scale $1'' = 5'$)	No.	35	0.5	18
90	Design entrances	No.	3	1	3
91	Revise roadway plans from soils report	Mile	-	-	0
<u> </u>	DRAINAGE				
92	Develop pipe sections (< 54")	No.	10	5	50
93	Develop drainage system map	Mile	0.4	8	3
94	Develop drainage situation (bridge)	No.	-	-	0
95	Develop drainage situation (culvert)	No.			0
96	Develop blue line stream channel change (=> 200')	No.			0
97	Drainage analysis (entrance pipes)	No.			0
98	Drainage analysis (A < = 200 acres)	No.	10	5	50
99	Drainage analysis (200 acres < A < 1.0 sq. mile)	No.			0
100		No.			0
	Drainage analysis (A = > 1.0 sq. mile) level 2 analysis	No.			0
	Drainage analysis ($A = > 1.0$ sq. mile) level 3 analysis	No.			0
103		No.			0
	Roadway ditches and channels	Mile			
	Develop Erosion Control Plan	Mile	0.4	8	0 3
	Inlet spacing calculations	No.	6	4	24
107		No.	6	4	24
	Perform scour analysis	No.	_		0
	Assemble preliminary and final drainage folders	LS			0
	Prepare advanced situation folder - bridge	No.			0
111		No.			0
	DRAINAGE MISCELLANEOUS				
112					0
113					0
114					0
115					0

PRODUCTION-HOU		(SHEE	(revise	ed 7/14)	
COUNTY Fayette		PROJE	CT TYPE		
ROUTE Old Todds Road			JLTANT		PALMER
DESC Old Todds Road Sidewalks			VED BY		
			RED BY		SDS
ITEM NO.		DATE		!	
FINAL PLAN PREPARATION (Co	ntinued)				
No. ITEM		UNIT		HRS/UNIT	
116 Prepare layout sheet		LS	1	2	2
117 Prepare typical sections		No.	1	2	2
118 Prepare Interchange geometric approval		No.			0
119 Prepare intersection geometric approval		No.			0
120 Prepare coordinate control sheet		Mile	0.4	4	2
121 Prepare elevation developments		No.			0
122 Prepare striping plan		Sheet			0
123 Calculate final quantities		Mile	0.4	16	6
124 Complete general summary		LS	1	4	4
125 Complete paving summary		LS			0
126 Complete drainage summary		LS	1	8	8
127 Complete pavement under-drain summary		LS			0
128 Prepare cost estimate		LS	1	4	4
129 Plot/print copies of plans		LS	1	4	4
130 Plan revisions		Mile	0.4	16	6
131 Prepare final construction plans submittal		LS	1	4	4
MAINTENANCE OF TRAFFIC					
132 Write maintenance of traffic notes (TCP)		LS	1	16	16
133 Prepare construction phasing plans (traffic control de	tail sheets)	Sheet			0
134 Develop diversion plan sheets	,	Sheet			0
135 Develop diversion profile sheets		Sheet			0
136 Develop diversion cross sections		No.			0
137 Develop temporary drainage		No.			0
FINAL PLANS MISCELLANEOUS					
138 Prepare bid submittal documents (LDRC, PDC, Spec	s)	LS	1	16	16
139		 			0
140					0
141					0
142					0
143					0
FINAL PLANS TOTAL	·				350

	PRODUCTION-HOUR	WORK	SHEET	(revise	ed 7/14)	
COUNT	Y Fayette		PROJEC	T TYPE		
ROUTE			CONSUL			PALMER
DESC	Old Todds Road Sidewalks		REVIEW	ED BY		
			PREPAR	ED BY		SDS
ITEM N	0.		DATE			
	MEETINGS					
No.	ITEM	PERSONS	UNIT		HRS/UNIT	
150 Pre	elim. line and grade inspection	2	No.	1	4	5
	ainage inspection	2	No.			(
	al inspection	2	No.	2	4	16
	sc. project coordination meetings	1	No.	5	2	1(
	pject team meetings	2	No.			(
	MEETINGS MISCELLANEOUS	·				
	lue Engineering Study		LS			(
156 Co	nstructability Review		LS			(
	MEETINGS TOTAL					34
	PUBLIC INVOLVEMENT					
No. ITE		PERSONS	UNIT		HRS/UNIT	
	EM	PERSONS	UNIT		HRS/UNIT	(
160 De		PERSONS			HRS/UNIT	
160 De 161 Pre	M velop and Maintain Mailing List		LS		HRS/UNIT	(
160 De 161 Pre 162 Att 163 Pre	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings	1	LS No.		HRS/UNIT	
160 De 161 Pre 162 Att 163 Pre 164 Att	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings	1	LS No. No.		HRS/UNIT	(
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter	1 3	LS No. No. No. No. No. No.		HRS/UNIT	((((
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination	1 3 4	LS No. No. No. No. No.		HRS/UNIT	
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination PUBLIC INVOLVEMENT MISCELLANEOUS	1 3 4	LS No. No. No. No. No. No.			
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre 167 Ince	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination	1 3 4	LS No. No. No. No. No. No.	5	HRS/UNIT	(((((((((((((((((((
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre 167 Inc 168 Pre	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination PUBLIC INVOLVEMENT MISCELLANEOUS	1 3 4	LS No. No. No. No. No. No.	5		() () () () () () () () () () () () () (
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre 167 Ince	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination PUBLIC INVOLVEMENT MISCELLANEOUS lividual meetings with stakeholders (schools, busines)	1 3 4	LS No. No. No. No. No. No.	5		
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre 167 Inc 168 Pre	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination PUBLIC INVOLVEMENT MISCELLANEOUS	1 3 4	LS No. No. No. No. No. No.	5		() () () () () () () () () () () () () (
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre 167 Inc 168 Pre	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination PUBLIC INVOLVEMENT MISCELLANEOUS lividual meetings with stakeholders (schools, busines PUBLIC INVOLVEMENT TOTAL	1 3 4	LS No. No. No. No. No. No.	5		() () () () () () () () () () () () () (
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre 167 Inc 168 169	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination PUBLIC INVOLVEMENT MISCELLANEOUS lividual meetings with stakeholders (schools, busines PUBLIC INVOLVEMENT TOTAL	1 3 4	LS No. No. No. No. No.	5	2	() () () () () () () () () () () () () (
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre 167 Inc 168 169 No. No.	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination PUBLIC INVOLVEMENT MISCELLANEOUS lividual meetings with stakeholders (schools, busines PUBLIC INVOLVEMENT TOTAL QA/QC	1 3 4	LS No. No. No. No. No. No.	5		
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre 167 Inc 168 169 No. 180	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination PUBLIC INVOLVEMENT MISCELLANEOUS lividual meetings with stakeholders (schools, busines PUBLIC INVOLVEMENT TOTAL QA/QC ITEM an review	1 3 4	LS No.	5	2	
160 De 161 Pre 162 Att 163 Pre 164 Att 165 Pre 166 Pre 167 Inc 168 169 No. 180	M velop and Maintain Mailing List epare for Advisory Committee/Officials Meeting end Advisory Committee/Officials Meeting epare for Public Meetings/Hearings end Public Meetings/Hearings epare and Distribute Newsletter operty owner coordination PUBLIC INVOLVEMENT MISCELLANEOUS lividual meetings with stakeholders (schools, busines PUBLIC INVOLVEMENT TOTAL QA/QC	1 3 4	LS No.	5	2	

PRODUCTION-HOUR WORKSHEET (revised 7/14)							
COUNTY Fayette	PROJECT TYPE						
ROUTE Old Todds Road	CONSULTANT	PALMER					
DESC Old Todds Road Sidewalks	REVIEWED BY						
	PREPARED BY	SDS					
ITEM NO.	DATE						
PRODUCTION-HOUR SUMMARY	,	97					
LINE AND GRADE TOTAL		92					
UTILITY COORDINATION TOTAL		4					
RIGHT OF WAY PLANS TOTAL		47					
FINAL PLANS TOTAL		350					
MEETINGS TOTAL		34					
PUBLIC INVOLVEMENT TOTAL		10					
QA/QC TOTAL		0					
GRAND TOTAL		634					

CLASSIFICATIONS AND PERCENTAGES FOR DESIGN PALMER ENGINEERING COMPANY

			INGINEERING CO					
_					Begin End midpoint:	9/15/2017 5/15/2018 1/14/2018		
			•		calculated by (1.	05^0.8-1)		
		Survey	Preliminary Line and Grade	Utility Relocation Coordination	Right of Way Plans	Final Plans	Meetings	Public Involvement
Avg. Rate	Escala- ted Rate	ltem 1A	ltem 1B	ltem 1C	ltem 1D	ltem 1E	ltem 1F	ltem 1G
\$104.45	\$104.88	5%	5%	5%	5%	5%	10%	10%
\$63.81	\$64.07	0%	20%	20%	20%	20%	20%	20%
\$56.73	\$56.96	0%	20%	20%	20%	20%	30%	30%
\$36.88	\$37.03	0%	25%	25%	25%	25%	40%	40%
\$28.75	\$28.87	0%	10%	10%	10%	10%	0%	0%
\$44.64	\$44.82	10%	10%	10%	10%	10%	0%	0%
\$40.63	\$40.79	85%	0%	0%	0%	0%	0%	0%
			I		1		1	
	Rate \$104.45 \$63.81 \$56.73 \$36.88 \$28.75 \$44.64 \$40.63	Rate ted Rate \$104.45 \$104.88 \$63.81 \$64.07 \$56.73 \$56.96 \$36.88 \$37.03 \$28.75 \$28.87 \$44.64 \$44.82 \$40.63 \$40.79	Avg. Escala- ted Rate Item \$104.45 \$104.88 5% \$63.81 \$64.07 0% \$56.73 \$56.96 0% \$36.88 \$37.03 0% \$28.75 \$28.87 0% \$44.64 \$44.82 10% \$40.63 \$40.79 85%	rate = period = factor = Preliminary Line and Survey Avg. Escala- ted Rate Item Item Avg. Escala- ted Rate Item Item \$104.45 \$104.88 5% 5% \$63.81 \$64.07 0% 20% \$36.88 \$37.03 0% 25% \$28.75 \$28.87 0% 10% \$40.63 \$40.79 85% 0%	$\begin{tabular}{ c c c c c } & rate & = 0.82\% \\ period & = 0.5 \\ factor & = 0.0041 \\ \hline & factor & = 0.0041 \\ \hline & factor & = 0.0041 \\ \hline & factor &$	Avg. Escala- ted Rate Item Item	Begin9/15/2017Escalation:Escalation:End5/15/2018rate = 0.82% midpoint:1/14/2018period = 0.5 calculated by $(1.05^{A}0.8^{-}1)$ Preliminary Line and GradeUtility Relocation CoordinationFinal PlansAvg.Escala- ted RateItemItemItemItemAvg.Escala- ted RateItemItemItemItemAvg.Stacla- ted Rateted Rate0%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104.45\$104.885%5%5%5%5%\$104	$ \begin{array}{c c c c c c c c c c c c c c c c c c c $

Direct Cost Summary Palmer Engineering Company

			Unit		
Item	Amount	Unit	Cost	Cost	Totals
SURVEY					\$373
Mileage - 4 wheel drive				.	
3 round trips @ 40 miles meals	120	mi days	\$0.53 \$30.00	\$64 \$0	
lodging		nights	\$30.00 \$85.00	\$0 \$0	
computer time @ 10%	10	hours	\$15.00	\$150	
travel time (3 trips @ x1 hours each)	3	hours	\$53.02	\$159	
(Ave. Rate \$40.79 x 1.3 = \$53.02 / hour)					
UTILITY COORDINATION					\$45
Mileage 0 round trips @ 20 miles		mi	\$0.47	\$0	
Printing / Copies			• · · · ·	•-	
printing	3	prints	\$1.00	\$0 © 45	
computer time @ 75%	3	hours	\$15.00	\$45	
PRELIMINARY LINE AND GRADE					\$1,085
Mileage 0 round trips @ 20 miles		mi	\$0.47	\$0	+)
Printing / Copies					
printing	50	prints	\$1.00	\$50	
computer time @ 75%	69	hours	\$15.00	\$1,035	
RIGHT OF WAY PLANS					\$575
Mileage 0 round trips @ 20 miles		mi	\$0.47	\$0	φοτο
Copies / Printing			•		
printing	50	prints	\$1.00	\$50	
computer time @ 75%	35	hours	\$15.00	\$525	
FINAL PLANS					\$3,995
Mileage 0 round trips @ 60 miles		mi	\$0.47	\$0	ψ0,000
Printing / Copies				+-	
printing	50	prints	\$1.00	\$50	
computer time @ 75%	263	hours	\$15.00	\$3,945	
MEETINGS					\$45
Mileage 0 round trips @ 20 miles		mi	\$0.47	\$0	ψ+Ο
computer time @ 10%	3	hours	\$15.00	\$45	
PUBLIC INVOLVEMENT					\$45
Mileage 0 round trips @ 20 miles	•	mi	\$0.47	\$0	
computer time @ 25%	3	hours	\$15.00	\$45	

\$6,163