described herein. Federal-aid funds allotted to Transportation (STATE) will be used entirely to WHEREVER IN THIS AGREEMENT the follow	R) and covers certain professional engine to the LA by the state of Illinois under the gor in part to finance engineering services a	Consultant Alfred Benesch & Company  Address 205 N. Michigan Avenue City Chicago State IL Zip Code 60601 Contact Name/Phone/E-mail Address Daniel M. Gross 312-565-0450 dgross@benesch.com  , 2010 between the above ering services in connection with the PROJECT eneral supervision of the Illinois Department of s described under AGREEMENT PROVISIONS.  Ited to mean:
Resident Engineer LA Employee dire	octly responsible for construction of the PR panies to which the construction contract	ÖJECT was awarded
	Project Description	
Name ITS Project	Route Leng	th N/A Structure No. N/A
Termini Rollins Road (Lotus to the western	terminus) and IL Rte. 83 (US 45 to Westn	noreland Dr.)
Description: Project consists of new traffic sig Rollins Road and IL Rte. 83. Minor curb and or requirements and all other items to complete t	gutter removal and replacement with detec	table warning pad to accommodate ADA
	Agreement Provisions	Continue of the second of the
I. THE ENGINEER AGREES,		
<ol> <li>To perform or be responsible for the pe hereinbefore described and checked be</li> </ol>	rformance of the engineering services for slow:	the LA, in connection with the PROJECT
<ul> <li>a. Proportion concrete according Control/Quality Assurance testing as noted below.</li> </ul>	rding to applicable STATE Bureau of Mate e (QC/QA) training documents or contract	rials and Physical Research (BMPR) Quality requirements and obtain samples and perform
		C/QA training documents and obtain samples
C. For soils, to obtain sample	es and perform testing as noted below.	
d. For aggregates, to obtain	samples and perform testing as noted belo	ow.
	FNGINEER is to obtain samples for testing	
Procedures Guide", or a	s indicated in the specifications, or as atta of Test Procedures for Materials", submit	g according to the STATE BMPR *Project iched herein by the LA; test according to the STATE BMPR inspection reports; and verify
Procedures Guide", or a STATE BMPR "Manual compliance with contraction of all materials	is indicated in the specifications, or as atta of Test Procedures for Materials", submit it specifications. when inspection is not provided at the sou A and the STATE in accordance with the	ched herein by the LA; test according to the STATE BMPR inspection reports; and verify
Procedures Guide", or a STATE BMPR "Manual compliance with contraction of all materials inspection reports to the L the policies of the STATE.	is indicated in the specifications, or as atta of Test Procedures for Materials", submit it specifications.  when inspection is not provided at the sou A and the STATE in accordance with the souch and the state of the state	ched herein by the LA; test according to the STATE BMPR inspection reports; and verify arces by the STATE BMPR, and submit

- 11. To pay its subconsultants for satisfactory performance no later than 30 days from receipt of each payment from the LA.
- 12. To submit all invoices to the LA within one year of the completion of the work called for in this AGREEMENT or any subsequent Amendment or Supplement.
- 13. To submit BLR 05613, Engineering Payment Report, to the STATE upon completion of the work called for in the AGREEMENT.

## II. THE LA AGREES,

- 1. To furnish a resident engineer to be in responsible charge of general supervision of the construction.
- 2. To furnish the necessary plans and specifications.
- To notify the ENGINEER at least 24 hours in advance of the need for personnel or services.
- To pay the ENGINEER as compensation for all services rendered in accordance with this AGREEMENT, on the basis of the following compensation formulas:

Cost Plus Fixed Fee

CPFF = 14.5%[DL + R(DL) + OH(DL) + IHDC], or

CPFF = 14.5%[DL + R(DL) + 1.4(DL) + IHDC], or

CPFF = 14.5%[(2.3 + R)DL + IHDC]

Where:

DL = Direct Labor

IHDC = In House Direct Costs

OH = Consultant Firm's Actual Overhead Factor

R = Complexity Factor

Specific Rate

(Pay per element)

Lump Sum

5. To pay the ENGINEER using one of the following methods as required by 49 CFR part 26 and 605 ILCS 5/5-409:

☐ With Retainage

For the first 50% of completed work, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to 90% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.

After 50% of the work is completed, and upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments covering work performed shall be due and payable to the ENGINEER, such payments to be equal to 95% of the value of the partially completed work minus all previous partial payments made to the ENGINEER.

- Final Payment Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and the STATE, a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.
- a) For progressive payments Upon receipt of monthly invoices from the ENGINEER and the approval thereof by the LA, monthly payments for the work performed shall be due and payable to the ENGINEER, such payments to be equal to the value of the partially completed work minus all previous partial payments made to the ENGINEER.

b) Final Payment – Upon approval of the work by the LA but not later than 60 days after the work is completed and reports have been made and accepted by the LA and STATE, a sum of money equal to the basic fee as determined in this AGREEMENT less the total of the amounts of partial payments previously paid to the ENGINEER shall be due and payable to the ENGINEER.

6. The recipient shall not discriminate on the basis on the basis of race, color, national origin or sex in the award and performance of any DOT-assisted contract or in the administration of its DBE program or the requirements of 49 CFR part 26. The recipient shall take all necessary and reasonable steps under 49 CFR part 26 to ensure nondiscrimination in the award and administration of DOT-assisted contracts. The recipient's DBE program, as required by 49 CFR part 26 and as approved by DOT, is incorporated by reference in this agreement. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as violation of this agreement. Upon notification to the recipient of its failure to carry out its approved program, the Department may impose sanctions as provided for under part 26 and may, in appropriate cases, refer the matter for enforcement under 18 U.S.C. 1001 and/or the Program Fraud Civil Remedies Act of 1986 (31U.S.C. 3801 et seq.).

- (c) Providing a copy of the statement required by subparagraph (a) to each employee engaged in the performance of the contract or grant and to post the statement in a prominent place in the workplace.
- (d) Notifying the contracting or granting agency within ten (10) days after receiving notice under part (B) of paragraph (3) of subsection (a) above from an employee or otherwise receiving actual notice of such conviction.
- (e) Imposing a sanction on, or requiring the satisfactory participation in a drug abuse assistance or rehabilitation program by, any employee who is convicted, as required by section S of the Drug Free Workplace Act.
- (f) Assisting employees in selecting a course of action in the event drug counseling, treatment and rehabilitation is required and indicating that a trained referral team is in place.
- (g) Making a good faith effort to continue to maintain a drug free workplace through implementation of the Drug Free Workplace Act.
- 9. The ENGINEER or subconsultant shall not discriminate on the basis of race, color, national origin or sex in the performance of this AGREEMENT. The ENGINEER shall carry out applicable requirements of 49 CFR part 26 in the administration of DOT-assisted contracts. Failure by the ENGINEER to carry out these requirements is a material breach of this AGREEMENT, which may result in the termination this AGREEMENT or such other remedy as the LA deems appropriate.

**Agreement Summary** Agreement Amount Prime Consultant: TIN Number \$189,162,36 36-2407363 Affred Benesch & Company Agreement Amount TIN Number Sub-Consultants: \$8,000.00 36-4312824 STATE Testing Sub-Consultant Total: | 8000.00 Prime Consultant Total: 190278.31 Total for all Work: 198278.31 Executed by the LA: (Municipality/Township/County) ATTEST: Title: Clerk (SEAL) Executed by the ENGINEER: ATTEST: Title: Title:



## **Payroll Rates**

FIRM NAME
PRIME/SUPPLEMENT
PTB NO.

Alfred Benesch & Company Prime DATE

03/16/10

**ESCALATION FACTOR** 

0.00%

		<u> </u>
CLASSIFICATION	CURRENT RATE	ESCALATED RATE
CCM	ence prove a form and the control of	
Project Principal	\$70.00	\$70.00
Sr. Project Manager	\$62,89	\$62.89
Resident Project Mgr I	\$40.50	\$40.50
Sr. Construction Rep	\$40.05	\$40.05
Sr. Surveyor	\$51.00	\$51.00
Sr. Party Chief	\$32.40	\$32.40
Party Chief	\$26.15	<b>\$26.15</b>
•	\$0.00	\$0.00
	\$0.00	\$0.00
	\$0.00	\$0.00
	\$0.00	\$0.00
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115 Project (redlins Rd. and IL Rte. 83) 09-00999-07-1L Lake

Consultant

Section County Job No.

Alfred Benesch & Company

Date 03/16/10

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Sheet 1

Average Hourly Project Rates

Payroli		Total Pr	Total Project Rates		Enginten	Ing Services				<b> </b>						l			
		Hours	%	Wgtd	Hours	%		Hours	8	Watel	Hours	76	7		ì	┰			
Classification	Rates		Part	Avg		Part.	Ava		Part			t Ed	200	200	۶ 1		SIDOM	8	Wate
R								T			+	:	2	1	Tar.	AVG	1	Part.	Avg
ject Principal	70.00	2	0.37%	0.26		0.37%	0.28				T	†	Ì	$\dagger$	1	1	1		
Project Manager	62.89	20	1.48%	0.93	$\overline{}$	1.48%	0.93				$\dagger$	†	T	†			1		
sident Project Mgr	40.50	640	47.30%	19.16		47.30%	19.18				$\dagger$	T		+					
Construction Rep	40.05	-	47.30%	18,94		47.30%	18.94				$\dagger$		T	$\dagger$	1				
Surveyor	51.00	-	0.59%	0.30		0.59%	0.30				t	1	T	1		Ì	†		
Party Chief	32.40	20	1.48%	0.48	1	1.48%	0.48				t	1	1	$\dagger$	1	1		1	
ty Chief	26.15	8	1.48%	0.39	82	1.48%	0.39				t		T	†			†		T
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 Film
 STATE Testing

 Route
 ITS Project

 Section
 09-00999-07-TL

 County
 Lake

 Job No.
 Rollins & IL Rte 83

 PTB & Item
 Rollins & IL Rte 83

Cost Estimate of Consultant Services (CPFF)

Date 03/16/10
Overhead Rate 138.72%

Complexity Factor 0

Mathours Payroll & Direct   Direct   Costs			:	Overhead	in-House	Fixed	Outside	Unit Work	Sub		% of
(A) (B) (C) (C) (C) (D) (E) (F) (G) (B+C+D+E+F+G) (B+C+D+F+G) (B+C+D+E+F+G) (B+C+D+F+G) (B+C+D+F+G) (B+C+D+F+G) (B+C+D+F+G) (B+C+D+F+G) (B+C+D+F+G) (B+C+D+G+G) (B+C+D+F+G) (B+C+D+F+G) (B+C+D+F+G) (B+C+D+F+G) (B+C+D+G+D+G) (B+C+D+G+D+G) (B+C+D+G+D+G) (B+C+D+G+D+G+D+G+G) (B+C+D+G+D+G+D+G+D+G+D+G+D+G+D+G+D+G+D+G+D	men.	Manhours	Payroll	ంక	Direct	Fee	Direct	Direct Cost	Total	Total	7000
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	IOIALS	19	-			909.13					100.00%

 $\mathsf{CPFF} = 14.5\%(\mathsf{DL} + \mathsf{R}(\mathsf{DL}) + \mathsf{OH}(\mathsf{DL}) + \mathsf{IHDC})$ 

Lab Testing	BITUMINOUS MATERIALS LABORATORY SERVI		•		
	COMPLETE IDOT SUPERPAVE MIX DESIGN	\$7,370		EACH	20
	COMPLETE ISHTA SUPERPAVE MIX DESIGN				**
	(W/Balley Method VMA)	\$8,500		EACH	\$0
	COMPLETE SMA MIX DESIGN	\$10,500		EACH	\$0
	SUPERPAVE/SMA DESIGN MIX VERIFICATION				
	(ONE-POINT)	\$1,980		EACH	\$0
	SUPERPAVE/SMA DESIGN MIX VERIFICATION				**
	(W/Balley Method VMA)(ONE-POINT)	\$2,500		EACH	50
	TENSILE STRENGTH RATIO (T.S.R.) (ASTM D			T 4 678 7	20
	4867) MARSHALL MIX DESIGN	\$635		EACH	30
	TENSILE STRENGTH RATION (TSR)	\$845		EACH	\$0
	SUPERPAVE MIX DESIGN BULK SPECIFIC GRAVITY (Gmb, or "8")	3643		EACH	30
		\$415		EACH	\$0
	GYRATORY SPECIMEN (AVG. OF 2) SUPERPAVE AND SMA MAXIMUM SPECIFIC	3412		EAGN	40
	GRAVITY(Gmm)	\$165		EACH	\$0
	EXTRACTION (REFLUX) WITH WASHED GRAD.	3103		LACII	•
	(ASTM D 2172,C 136)	\$300		EACH	\$0
	EXTRACTION (REFLUX) WITH WASHED GRAD.	4000		L-10-1	•.
	(ASTM D 2172,C 136)	\$225		EACH	50
	EXTRACTION (CENTRIFUGE) WITH WASHED	+			•
	GRAD.W/MOISTURE CORR. (ASTM C-586 & D-				
	146)	\$495	7	EACH	\$6
	SUPERPAVE - MAXIMUM SPECIFIC	<b>4</b>		********	
	GRAVITY(Gmm)-one test &BULK SPECIFIC				
	GRAVITY (Gmb)-Avg. of 2	\$550		EACH	\$0
	STABILITY AND FLOW (AVG. OF 3) (ASTM 1559,				
	D 2726)	\$385		EACH	\$0
•	PAVEMENT ANALYSIS - SINGLE CORE(4")				\$0
	WISAW CUTTING (ASTM D 2726)	\$60		EACH	\$0
	PAVEMENT ANALYSIS - SINGLE CORE(6")	\$60			\$0
	W/SAW CUTTING (ASTM D 2726)	\$60		EACH	50
	SUPERPAVE PRODUCTION MIX VERIFICATION*	400		_ 1011	\$0
	(Includes: Reflux Extraction, Gmin, Gmb)	\$800		EACH	<b>\$</b> 0
	(Includes: Ignition Extraction, Grim, Grib)	\$725		EACH	50
	NUCLEAR CORRELATION UP TO 4 GAUGES	\$550		EACH	SO
				EACH	\$0·
	-ADDITIONAL GAUGES (EACH)	\$55		EACH	<b></b>
	-LINEAR REGRESSION OF CORES (15 CORES/\$25 EACH)	\$715		EACH	50
	NVESTIGATIVE CORING — (INCLUDES ON-SITE	3/13		LACIT .	37
	CUTTING, DELIVERY TO				50
	AB, UP TO 4 HOURS)	\$990	•	EACH	20
	RENTAL OF GYRATORY COMPACTOR PER	3970		LAGE	50
	DAY	\$550	-	EACH	20
	CORE ANALYSIS, 6"-EACH CORE (DENSITY &	4000		L/OC.	•••
	REFLUX)	\$495		EACH	20
	ALL BUSTED MIX DESIGNS	41,0		EACH	
•	TEL DOOTED MAX DEDIGNO				
á	GGREGATE LABORATORY SERVICES				
-	TOOKEDATE ENDOTESTION OF THE STATE OF				
	ORY GRADATION (ASTM C 138)	\$95		EACH	\$0
	VASHED GRADATION (ASTM C 136)	\$135	2	EACH	\$270
	PECIFIC GRAVITY AND ABSORPTION (ASTM	#133	4	LANT	V
	C 127, C 128)	\$220		ÉACH	SÜ
	MOISTURE CONTENT	\$70		EACH	50
	MINERAL FILLER GRADATION (ASTM D 546)	\$119		EACH	50
	the state of the s	\$255		EACH	50
	GE TESTING (Washed Gradation) GE TESTING (Dry Gradation)	\$205		EACH	20
P	GE TESTING (DIV GRADAGON)	3203		SAVII	44

AGGREGATE LABORATORY SERVICES(Cont)



113 Project 09-00999-07-TL Lake

Section County Job No. PTB/Item

Consultant

STATE Testing

Average Hourly Project Rates

P Date 03/16/10 Sheet

Payroll	Ava	Total Pr	Total Protect Rates		Engineeric	day Semilare	-			ľ									
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Classification	Rates	3	Part.	A 40	200	e te	Wgrd H	e Enor	- * å	Wgtd	Hours	× 1		Hours	%	Wgtd	Hours	%	Wgtd
CCM					<del> -</del>		+	+	╀	†	$\dagger$			+	raft.	Avg		Part	Avg
Principal Engineer	70,00	2	2 99%	2.09		2.99%	2.09	-	-		╁			+					
Associate Engineer	60.00	2	2.99%	1.79	-	2.99%	1.79	-			+	T							
Senior Engineer	32,11	0	-		┝			L		<del> </del>	-			†			1		
Professional Engineer	48.22	0			0			-	+	-	-	†		†					
Materials Coordinator	36.93	ဗ	4.48%	1.65	က	4.48%	1.65	+	-	†	-	T		1					
Laboratory Manager	31.42	0			┝				-	1	+			+					
Quality Assurance Manager	26.71	0			0	-		-		T	-			1					
Accountant	35.22	0	-		0			$\vdash$		1	-	1	T	†					
Senior Technician		0			0			-			1								
Level III Technician	33.74	0			0			-			-	T		<del> </del>					
Level II Technician	31.23	0			0	-		$\mid$	_		+								
Level I Technician	27.60	0	-		0	-		+	-	T	-	<u> </u>		1					
Material Tester 2	34.62	82	29.85%	10.34	┢	29.85%	10.34	-		<u> </u>	-	T	T	<u> </u>				T	
Material Tester 1	32.85	64	59.70%	19.61	8	<del> </del>	19.61	-		ľ	$\vdash$			T					
Lab Technician II	17.55	0			Н	╙		_	_		-			T					ſ
Lab Technician	11.03	0			0		-	-			-		Γ	T					J
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Page 4