CHANGE ORDER APPROVAL FORM

5.20-249

PROJECT: Crawford Road Phase I

CHANGE ORDER NUMBER: <u>3</u>

DATE: 7/02/2021

CONTRACT NUMBER: CM2924

TO CONTRACTOR: Anderson Columbia Co., Inc.

Description: Add 4 contract days; delete 1,833 LF of Sediment Barrier: Add 29 LF of Floating Turbidity Barrier: Add 31 CY of Flowable Fill; Add 77.37 TN of SP Asphalt TL-C, PG 76-22, PMA; Add 11 LF of 24" RND Concrete Pipe; Deduct 11 LF of 18" Elliptical Pipe; Deduct 6 CY of RipRap Sand Cement; Add 20.41 TN of RipRap, Rubble, Ditch Lining.

Reason for Change Order: Adjust contract time for days contractor could not work due to weather (rain), affecting the project site and the contractor's ability to work. Pay Item Quantities adjusted to match installed quantities with exception to Asphalt. Asphalt payment allowed Is up to 105% of original plan quantity, see backup for asphalt payment calculation.

Original Contract Sum Net Change by Previous Change Order/Supplemental Agreement.	\$ 0.00
Contract Sum Prior to This Change Order	\$ <u>1,080,805.17</u>
Amount of this Change Order (Add)	\$ 10,223.26
New Contract Sum Including this Change Order	. \$ <u>1,091,028.43</u>
The Contract Time will be increased	4 (Four) days
Previous estimated Substantial Completion: <u>05/25/2021</u> Final Co New estimated Substantial Completion: <u>05/29/2021</u> Final Co	ompletion: <u>07/09/2021</u> ompletion: <u>07/13/2021</u>
APPROVED BY: Kolust Companion. Robert Companion, Engineering Services	DATE:
Robert Companion, Engineering Services	
APPROVED BY: Marshall Eyerman Brian Simmons, Procurement Manager	DATE:
Brian Simmons, Procurement Manager	
APPROVED BY: Megan Dicht	7/8/2021
APPROVED BY: Megan Diell Megan Diehl, Office of Management and Bud	7/8/2021
APPROVED BY: <u>Megan Dield</u> Megan Diehl, Office of Management and Bud APPROVED BY: <u>Michael S. Mullin</u>	7/8/2021

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APPROVED BY:	Taco E. Popey AICP	DATE:
	Taco E. Pope, AICP, County Manager	
APPROVED BY:	N/A	DATE:
	Thomas R. Ford, Chairman	
ATTEST:	N/A	DATE:
	John A. Crawford, Clerk of Courts	

Account No(s). 63470541-563100 CRAW1

SECTION OD 63 63 CHANGE ORDER REQUEST FORM

Instructions on 00 63 63-2) Crawford Road Phase 1	
PROJECT	
DATE OF ISSUANCE: 6/25/2021 NASSAU COUNTY BOARD OF COUNTY COMMISS COUNTY Contract / Purchase Order No.: CM 2924	BIONERS
CONTRACTOR: Anderson Columbia	ENGINEER / ARCHITECT: ETM
You are directed to make the following changes in the	
CY of Flowable Fill: Add 77.37 TN of SP Asohalt TL-0	Sediment Barrier; Add 29 LF of Floating Turbidity Barrier; Add 31 C, PG 76-22, PMA; Add 11 LF of 24" RND Concrete Pipe; Deduct and Cement; Add 20.41 TN of RipRap, Rubble, Ditch Lining.
project site and the contractor's ability to work. Pay it	lays contractor could not work due to weather (rain), affecting the tem Quantities adjusted to match installed quantities with exception of original plan quantity, see backup for asphalt payment
Attachments: (List documents supporting change) – I Spreadsheet and Asphalt Placement Report with allo Asphalt Specifications for asphalt payment method.	Daily Work Reports for weather days, Estimate Quantity wed payment calculation. Also included is a copy of the contract
CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Odeland Contract Reise	Original Contract Times
Original Contract Price	Substantial Completion:160
\$1,080,805.17	Ready for Final Payment205 (days or dates)
Net change from previous Change Orders No. 1 to No.2	Net change from previous Change Orders No.1 to No.2
\$0.00	17(daya)
Contract Price prior to this Change Order	Contract Times Prior to this Change Order
\$ 1.080.805.17	
	Substantial Completion:177
	Ready for Final Payment222(days or dates)
Net Increase (decrease) of this Change Order	Net Increase (decrease) of this Change Order
10.223.26	
	(days)
Contract Price with all approved Change Orders	Contract Times with all approved Change Orders
\$ 1,091,028,43	Substantial Completion: 181
	Ready for Final Payment_228(days or plates)
and the second	
RECOMMENDED: CLASPROVCO:	ACCEPTED
By hund pupper Br. P	By: All All
1.12.10001 11	Y (Authoritand Signature) Conflictor (Authoritand Signature)
Date: 0125/2021 Date: 1/0	129/2021 Date (= 19-2/

IDDOULOT BLANKE

Nassau County DAILY REPORT OF CONSTRUCTION ENGLAND-THIMS & MILLER, INC. CONSTRUCTION MANAGEMENT SERVICES

BID NO.:	PROJECTIN	AME		DATE	DAY	DAY NO.
NC20-20	Crawford Road	- Phase I		4/26/2021	Monday	148/ 205
PRIME CONTRA						
		OF OPERATIONS IN F		DATE:		
contractor cancele	ed roadway work	for today due to the pre	vious days rain.			
Contractor graded	roadway to help	with the drying out proc	2965			
contractor graded	roduway to help	man the drying out proc				
Pipe Crew						
Pay Item 430-175	-124					
Contractor paced	64' of 24" RCP be	tween S-200 to S-201				
	SCREW AND	TIME ON PROJECT	EQUIPMENT U	the second se		
() Superintendent			DESCRIPTION	Number	Active	Idle
(X) Foreman	1@101@	31@5	P/U		2@10	
(X) Operators	2@10		Tackhoe		1@10	-
(X) Laborers	3@10		Motorgrader		1@10	
() Other			Frontend Loader		1@10	
() Other			Offroad Dump Truck	s		
() Other	www.asta analysis into		Bulldozer			
() Other WEATHER CONDITI			roller			
WEATHER CONDITI	UNS:	Temperature 85	Pan			
TIME STARTED:	TIME EINTEN					
		(X) Unacceptable				
ACTIVITIES AFFECTED		Roadway to wet for				
production	DI WEATHER.	Troadway to wor for				
GENERAL COMP	MENTS/TESTS/N	VISINORES IN MILLION				
and the second second						N. CONTRACT
INSPECTOR: Justin	McElhenny	Justin McElhenny		HOURS ON		Line .
		Jusuri mucineniny		From:_7:00a	31	Hrs
ASSIST. PROJECT A	DMINISTRATOR:			PAGE 1	of	1

OR

PROJECT ADMINISTRATOR:

Carrie Smithheart

Jeremy Cronk

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Nassau County DAILY REPORT OF CONSTRUCTION ENGLAND-THIMS & MILLER, INC. CONSTRUCTION MANAGEMENT SERVICES

BIDINO		DATE	DAY	DAY NO.
C20-20 Crawford Road - Phase I PRIME CONTRACTOR: Anderson Columbia		6/21/2021	Monday	204/ 222
DESCRIPTION AND LOCATION OF OPERATIONS IN P	POCRESETING			30288939999223
ESCREPTION AND LOCATION OF OF ERATIONS IN P	ROGRESS THIS	DATE		
avin Crew				
Crew placed 1 1/2" 522.40 tons of SPM 18-16798A asphalt	from STA 105+10	to STA 145+	55 in 1-1	No.
Jew placed 1 1/2 322.40 tons of SPH 10-10/904 asphare	1011 31A 105+10	U SIA INST	JJ III L ⁻¹ .	
Paving operation was canceled due to rain.				
aving operation was canceled due to run.				
	and the second second second			
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The second se				
and the structure of the state of the structure of the state				
CONTRACTOR SICREW AND TIME ON PROJECT	EQUIPMENT	SED OR ID		
) Superintendent	DESCRIPTION	Number	Active	Idle
X) Foreman <u>1</u>	P/U	3	6	
X) Operators 5	Tackhoe	1	6	
X) Laborers 4	Motorgrader			
) Other	Frontend Loader			
) Other	Rubber Tire Hoe			
) Other	Paver	1	6	
) Other	Roller	2	6	
WEATHER CONDITIONS	Shuttle buggy	1	6	
RAIN TODAY: No 2" Temperature 90				
TIME STARTED: TIME FINISHED:				
WORK COND. tions () Acceptable (X) Unacceptable				
ACTIVITIES AFFECTED BY WEATHER:				
		-		
GENERAL COMMENTIS/ATESTS/AVISIT/ORS:				
an an ann an				
INSPECTOR: Josh Hicks		HOURS ON P		
Josh Hicks		From:_7:00a	r	Hrs 8
ASSIST. PROJECT ADMINISTRATOR:		DACE 1	of 1	
Jeremy Cronk		PAGE1	011	
OR Sciency Clonk				

PROJECT ADMINISTRATOR:

Carrie Smithheart

Nassau County DAILY REPORT OF CONSTRUCTION ENGLAND-THIMS & MILLER, INC. CONSTRUCTION MANAGEMENT SERVICES

BID NO.: PROJECT NAME: IC20-20 Crawford Road - Phase I		6/22/2021	DATA	205/ 222
RIME CONTRACTOR: Anderson Columbia		of any soul	Jooday	LUDI LLL
ESCRIPTION AND LOCATION OF OPERATIONS IN P	ROGRESS THIS	DATE		
avin Crew				
aving operation was canceled due to rain.				
CONTRACTOR'S CREW AND TIME ON PROJECT	EQUIPMENT	SED OR IDI		
) Superintendent	DESCRIPTION	Number	Active	Idle
X) Foreman <u>1</u>	P/U	3	0	
X) Operators 5	Tackhoe	1	0	
X) Laborers 4	Motorgrader			
) Other	Frontend Loader			
) Other	Rubber Tire Hoe			
) Other	Paver	1	0	
) Other	Roller	2	0	
NEATHER CONDITIONS	Shuttle buggy	1	0	
AIN TODAY: No 2" Temperature 90				
TIME STARTED: TIME FINISHED;				
VORK COND tions (X) Acceptable () Unacceptable				
CTIVITIES AFFECTED BY WEATHER:				
CIENTERA DE COMMENDES AL ESTAS AVAS DU CORTS THE HEALEN				
and the second				
	and the second sec			
NSPECTOR: Josh Hicks		HOURS ON PI		
Josh Hicks		From:_7:00ar		Hrs 8
ACCIET DECLECT ADMINISTRATOR		DACE 1	-	
ASSIST. PROJECT ADMINISTRATOR: Jeremy Cronk		PAGE1_		
DR				

Carrie Smithheart

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Nassau County DAILY REPORT OF CONSTRUCTION ENGLAND-THIMS & MILLER, INC. CONSTRUCTION MANAGEMENT SERVICES

BIDINO	PROJECT NAME		DATER	DAY:	DAY NO.
C20-20	Crawford Road - Phase I		6/24/2021	Thursday	207/ 222
	RACTOR: Anderson Columbia			Entrementation	300800332555
ESCRIPTIO	TAND LOCATION OF OPERATIONS IN	11100125511115	DALE		
ontractor grad	ted soil against the asphalt so sod can be	placed			
onuactor grac	ted soir against the asphalt so sou can be	piaceu.			
od dolivoni ca	ncelled by sod supllier due to sod farm to	o wet to cut			
ou delivery ca	incened by sou supilier due to sou faith to	o wet to cut.			
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	and the second	10 1 1 mm - 10 mm - 10 mm - 10 mm			
CONTRACT	OR'S CREW AND TIME ON PROJECT	EQUIPMENTIU	SED OR TO		
) Superintender		DESCRIPTION	Number	Active	Idle
X) Foreman	1@8	P/U	Number	1@8	TOIC
	2@8	Tackhoe		1000	
X) Operators X) Laborers	2@8	Motorgrader		1@8	
and the second s	200			100	
) Other		Frontend Loader Rubber Tire Hoe		1@8	-
) Other		Rubber Tire Hoe		100	
) Other) Other		-			
			-		
AIN TODAY: Yes	TTIONS: Temperature 8	5	-		
	TIME FINISHED:				
	s () Acceptable (X) Unacceptable				-
	TED BY WEATHER:				
CTIVITIES AFFEC	TED BT WEATHER:	-			
Rain Gauge Re	adiaas: 2 3E"				
all Gauge Re	adiligs: 2.25			1	1
CENERALICO	MMENTS/ITESTS/VISITORS:				
				000000000000000000000000000000000000000	*************
	and the second state of th		1000	Mart	
INSPECTOR: Ju	stin McElhenny		HOURS ON I	ROJECT:	
	Justin McElhenny		From:_7:00a		Hrs
ASSIST. PROJEC	T ADMINISTRATOR:		PAGE1	of	1
DR	Jeremy Cronk				
	INISTRATOR:				

Carrie Smithheart

	Crawford Road Phase I - NC	20-20		UNIT	TO-DATE	ORIUR	ORIUR	1
				COST	TOTAL	TOTAL	COST	COMMENTS
0101 1	Mobilization	1	LS	\$ 159,316.19	1.000	0.000	\$.	Plan Quantity Item
0102-1	мот	1	LS	\$ 96,328.69	1.000	0.000	\$	Plan Quantity Item
0104 10 3	Sediment Barrier	14,122	LF	\$ 2.31	12,289.000	(1,833.000)	\$ (4,234.23)	
0104 11	Floating Turbidity Barrier	171	LF	\$ 6.36	200.000	29.000	\$ 184.44	
0110 1 1	Clearing & Grubbing	1	LS	\$ 9,071.11	1.000	0.000	5 -	Plan Quantity Item
0120 1	Regular Excavation	4527	CY	\$ 6.85	4,527.000	0.000	s -	Plan Quantity Item
120-6	Embankment	9,640	CY	\$ 9.00	9,640.000	0.000	5 -	Plan Quantity Nem
121 70	Flowable Fill	24	CY	\$ 418.10	55.000	31.000	\$ 12,961.10	
160-1	Type B Stabilization	30,999.10	SY	\$ 1.48	30,999.100	0.000	s .	Plan Quantity Item
0162 1 11	Prepared Soil Layer, Finish Soil, 6"	2,069	SY	\$ 3.18	2,069.000	0.000	5 -	Plan Quantity Item
0285 706	Optional Base Group 06	19,267.40	SY	\$ 14.08	19,267.400	0.000	s -	Plan Quantity Item
334-1-52	SP Asphalt, TL-C, PG 76-22, PMA	1,547.30	TN	\$ 102.20	1,624.670	77.370	\$ 7,907.21	
430-175-124	Pipe, Opt. Matl., RND 24" S/CD	154	LF	\$ 102.09	165.000	11.000	\$ 1,122.99	
430-175-130	Pipe, Opt. Matl., RND 30" S/CD	304	LF	\$ 128.46	304.000	0.000	s .	
430-175-218	Pipe, Opt. Mati., Other 18" S/CD (Elliptical)	11	LF	\$ 449.48	0.000	(11.000)	\$ (4,944.28)	
130-984-625	MES, Opt. Mati., Other, 18" S/CD (Elliptical)	1	EA	\$ 3,681.77	1.000	0.000	s -	
524-1-2	Concrete Ditch Pavt., NR, 4*	167	SY	\$ 90.66	167.000	0.000	s .	
530-1	RipRap, Sand-Coment	18	CY	\$ 1,319.89	12,000	(6.000)	\$ (7,919.34)	
530-3-4	RipRap, Rubble, F&I, Ditch Lining	107.50	TN	\$ 252.10	127.910	20.410	\$ 5,145.36	
570-1-1	Performance Turf	28,458	SY	\$ 0.37	28,458,000	0.000	5 .	Plan Quantity Item

5. Partisi	
COMMENTS	
ity Item	
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	Crawford Road Phase I - NC20-20				UNIT	TO-DATE	OR/UR	OR/UR	
					COST	TOTAL	TOTAL	COST	COMMENTS
570-1-2	Performance Turf, Sod	2069	SY	s	4.01	2,069.000	0.000	5 -	Plan Quantity Item
700-1-11	Single Post Sign, F&I, Ground Mount, Up to 12 SF	4	AS	s	445.60	0.000			Still to be Installed
700-1-12	Single Post Sign, F&I, Ground Mount, 12-20 SF	1	AS	\$	1,591.42	0.000			Still to be Installed
700-1-13	Single Post Sign, F&I, Ground Mount, 21-30 SF	1	AS	\$	1,909.71	0.000			Still to be Installed
700-1-60	Single Post Sign, Remove	1	AS	5	31.82	0.000			Still to be installed
700-13-15	Retroreflection Sign Strip, F&I, 5'	3	EA	5	114.58	0.000			Still to be installed
705-10-2	Object Marker, Type 2	5	EA	\$	70.02	0.000		1	Still to be installed
706-3	RPM's, Bi-Directional	182	EA	5	7.00	0.000			Still to be installed
711-11-125	Thermo, White, Solid, 24" for Stop Bar and Crosswalks	48	LF	5	15.91	0.000			Still to be installed
711-16-101	Thermo, Standard, Other Surfaces, White, Solid 6"	2.601	GM	\$	5,219.87	0.000		1	Still to be installed
711-16-201	Thermo, Standard, Other Surfaces, Yellow, Solid 6"	0.161	GM	s	5,219.87	0.000			Still to be installed
711-16-231	Thermo, Standard, Other Surfaces, Yellow, Skip 6"	1.214	GM	5	1,655.08	0.000			Still to be Installed
								1	*
				-		1			
						13 H	1		

Г	Project	ID (FIN	& Cor	tract #):	000002-2-02-16 (2	20216)		Intended Lot Size	7		LOT#	1								Email	Form Feedbac
L			-	ntractor.	Anderson Colu	nibia	-	-	2000 tons	1		Mix Design #	SPM 18-16798A							9	CO-AsphaltFor	
				1					Static Only	1			: 2.551								PART	ONLY
-				1 1			1-	1 1		-		1	T	1				I Individual I	Actual	T		UNLI
	Date Pavec	Day er Night	G Sut	Truck Load #s	Intended Use	Density 7	MTV Used	Lane	Desc.	#	of #	Start Paving a Station	End Paving at Station	Length (FT)	Width (FT)	Area Paved (SY)	Quantity (TN)	Lift Thickness (in)	Spread Rate (LB/SY)	Target Spread Rate (LB/SY)	Total Thickness (in)	Prorated Base (SY
	6/18/2021	Day	111	1 14	SP TL-C 76-22	TY	TY	RI	CR-Crow Maintine	11	TT	105+10.00	112+47.00	737	12.81	1049.00	92.83	1.50	176.99	166		
	6/18/2021			5-10	SP TL-C 78-22	Y	TY	RI	CR-Craw Mainine	1	1			1239	12.00	1652.00	151.59	1.50	183.52	166		
-	8/18/2021	Day	1 1	11-16	SP TL-C 78-22			RI	CR-Craw Mainline		11			1219	12.00	1625.33	149.34	1.50	183.77	166		
-	6/18/2021	Day	1 1	17-21	SP TL-C 76-22			RI	CR-Cene Mainfine		1			911	12.00	1214.67	106.24	1.50	174.93	166		
1	6/18/2021	Day	1 2	21-22	SP TL-C 76-22			RI	CR-Craw Mainline	1	1			408	12.00	544.00	47.AB	1.50	174.56	166		
Г	6/18/2021	Dey	1 2	23-29	SP TL-C 76-22			RI	CR-Craw Maintine		1			1431	12.00	1908.00	172.90	1.50	181.24	166		
Г	6/18/2021	Day	1 2	30-34	SP TL-C 76-22	Y	Y	RI	CR-Craw Mainine	11	11	184+55.00	173+75.00	920	12.00	1228.67	100.55	1.50	163.94	166		
Г	8/18/2021				Wasto					1.5				-			7.00			-		-
	06/18/2021	TIN	: G504	01023-00	O DAILY TOTALS:	827.9	3 TO	tal Tor	ns 7.00 Tons Not in	Lo	1 8	20.93 net tons	(820.93 tons Rei	quire Density	0.00 tons	s Non-Density	1			-		
Г		1	-	1				120		-	-								100.00			
	6/21/2021		1 2	the second se	SP TL-C 76-22			a	CR-Craw Radious	11	11	138+05.00		65	13.48	97.21	9.18 29.51	1.50	188.87	166		
	6/21/2021		1 2	1-2	SP TL-C 76-22			a	CR-Craw Radious		1			75	37.50	312.50		1.50	188,86	168		
	8/21/2021		1 2	2-5	SP TL-C 76-22			11	CR-Crow Mainline		1			570	12.00	749.33	71.83	1.50	189.03	166		
	6/21/2021			6-8	SP TL-C 76-22			11	CR-Draw Mainline	_	1			562	12.00	624.00	58.98	1.50	182.96	166		
	6/21/2021		_	8-10	SP TL-C 76-22			11	CR-Craw Mainline	11	1			468 981	12.00	1308.00	129.55	1.50	198.09	166		
	6/21/2021			11-15	SP TL-C 78-22			11	CR-Crew Mainline	1	H	121+10.00		1474	12.00	1965.33	158.82	1.50	159.59	166		
	6/21/2021	-	other Designation of the local division of t		SP TL-C 76-22 Waste	T	17	11	GR-Crew Maining	-	11	130-91.00	140700.00	14/4	12.00	1900.00	A5.38	1.00	139.39	100		
	6/21/2021	Day		23-28		607 7			s 85.38 Tons Not	-		522 40 mail long	(492 74 Jane De	Antica Danel	20 60 10	ons Non-Densi						
-	06/21/2021	1114	Gour	1023-00	U DALLY TUTALS.	001.70	TO	arior	15 00.30 10H5 HUL	II LC	T	322.40 mer 10115	1403.1110015 14	quite Densi	JO.03 10	no noreconsi						
+	6/23/2021		1 2	17	SP TL-C 78-22	10	Y	111	CR-Case Mainline	11	1	145+65.00	156+98.00	1133	12.00	1510.67	137.55	1.50	182.10	166		
	6/23/2021		1 3	1-1	SP TL-C 76-22		1Y		CR-Case Maining		11		158+47.00	149	12.00	198.67	19.12	1.50	192.48	166		
	6/23/2021		1 3	8-13	SP TL-C 76-22			11	CR-Case Mainline		ti		166+36.00	789	12.00	1052.00	101.00	1.50	192.02	166		
1	6/23/2021	and the second se		14-17	SP TL-C 76-22			LI	CR-Crew Mainine		H			727	12.00	969.33	78.94	1.50	162.88	166		
	6/23/2021		And Address	17	Wasie		1		CIT-CITA MERINA	-	+	100-00.00	110100100	.21		000100	16.00					
	06/23/2021				The second s	352 64	Tel	alTon	s 15.00 Tons Not	nle	1	336 61 not tons	1336 61 tons Pr	Chice Denel	V 0.00 ton	is Non-Density						
-	00/23/2021	T T	0.000	1023-00	UNCTIONED:	02.01	100	1 101	10.00 10115 NOL	1	1	T	Toolor Ions In	den a polisi	0.00101	a line a dirian	-					

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Plan Quty = 1547.30 TH Allowable pAg = 105% of PlAN Quty 1 1547.30 TH (1.05) = 1624.67 TN TOTAL = 1679.94

Page 1 of 3

	DENSITY REQUIRED: 1,641.25 tons NON DENSITY REQUIRED: 30.69 tons TOTAL TONS IN LOT: 1,679.94 tons		Intended Use SP TL-C 76-22	Pay liem #	Previous Total (Tons) 0.00	(Tons) 1,679.94	Cumulative Total (Tons) 1,679.94	Previous Total (SY) worksame 0.80	LOT Total (SY) FOT In Altro 18,756.71	Cumulative Total (SY) #CY & ATPO 18,768.71
omments Box	an darin in the second state of	and the second	Waste	1	0.00	108.38	100.36	0.00	6.00	0.00
				-						

			Applicatio n Rate (Gal/SY)		
			Area Covered (SY)		あっていたいではなく
		ſ	Width	Sec. 1	
		100	Length		
		China	Ending		A. Lander
			Beginning Station		Contraction of the
CONSTRUCTION 08/28/2019		L	Sumulative Galtons (@ 60")		
CON			Galtons C Used (@ 60*F)		
tation ntrol (Tack Page)			the contraction (+F) (Hol) Factor		
	-		Net Gallons (Hot)		-
uent of Transpo	#101		Temperature (*F)		
State of Florida Department of Transportation Asphalt Roadway - Daily Report of Quality Control (Tack Page)			Time After Unicading		C. Conner
			Ending Volume (Gallons)		- A PART - A PART
			Ending Reading (Inches)		
	Contract #); 000002-2-02-16 (220216)		t Beginning E Volume R((Gallons) (Ir		
		sbia	Beginning Reading (inches)		The second second
		Anderson Colun	FDOT Calibration Tank #		
		Contractor.	Grade		C. S.
	Project ID (FIN & C		NIL		
			Dev CrewID Night CrewID	H	-
			Date Dev D		

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Invitation to Bid

SECTION 01 22 50

MEASUREMENT AND PAYMENT

Work under this Contract shall be paid as designated below under the appropriate items associated with the Bid Schedule. Payment shall be in accordance with Lump Sum or Unit Price bid by the Contractor in his proposal.

When Lump Sum prices are contained in the Bid Schedule, the Contractor shall provide a detailed schedule of values for Lump Sum cost acceptable to the Engineer of Record and the County, which will be used for estimating partial payment requests.

Contractual costs for work not specifically mentioned under a payment item and which are incidental to the overall conduct of the work shall be included in the individual items at the Contractor's option. No additional charges shall be made to the County for items not specifically mentioned under individual payment items. Examples of these types of costs include, but are not limited to, the following: bonds, insurance, permits, licenses, traffic control, dust control, clean-up, temporary access, temporary facilities, soil erosion control, temporary drainage, temporary offices, restoration of disturbed areas, temporary utilities, test pits locating existing utilities, temporary water and sewer, surveying, layout, and other items similar to above.

Measurement and payment for all items shall be in accordance with the FDOT Standard Specifications for Road & Bridge Construction, (edition as stated on Construction Plans documents) with the exception that reduction in the FDOT acceptance criteria based on payment factors will not be allowed.



If the defective material is due to a gradation, asphalt binder content or density failure, upon the approval of the Engineer the Contractor may perform delineation tests on roadway cores in lieu of an engineering analysis to determine the limits of the defective material that may require removal and replacement. Prior to any delineation testing, all sampling locations shall be approved by the Engineer. All delineation sampling and testing shall be monitored and verified by the Engineer. For materials that are defective due to air voids, an engineering analysis is required.

When evaluating defective material by engineering analysis or delineation testing, at a minimum, evaluate all material located between passing QC, PC or IV test results. Exceptions to this requirement shall be approved by the Engineer.

334-6 Comparison Testing.

At the start of the project (unless waived by the Engineer) and at other times as determined necessary by the Engineer, provide split samples for comparison testing with the Engineer. The purpose of these tests is to verify that the testing equipment is functioning properly and that the testing procedures are being performed correctly. In the event that the Engineer determines that there is a problem with the Contractor's testing equipment and/or testing procedures, immediately correct the problem to the Engineer's satisfaction. In the event that the problem is not immediately corrected, cease production of the asphalt mixture until the problem is adequately resolved to the satisfaction of the Engineer.

If so agreed to by both the Contractor and the Engineer, the split sample used for comparison testing may also be used for the QC sample. The split sample used for comparison testing must also meet the requirements for IV testing described in 334-5.7.

334-7 Method of Measurement.

For the work specified under this Section (including the pertinent provisions of Sections 320 and 330), the quantity to be paid for will be the weight of the mixture, in tons. For each pay item, excluding overbuild, the pay quantity will be based on the quantity placed on the project, limited to 105% of the adjusted plan quantity for the pay item. The adjusted plan quantity will be determined by dividing the pay item's original plan quantity (including any Engineer approved quantity revisions) by the design G_{mm} stated in 334-1.4, then multiplying it by the tonnage-weighted average G_{mm} of the mixes used for the pay item.

The bid price for the asphalt mix will include the cost of the liquid asphalt and the tack coat application as directed in 300-8. There will be no separate payment or unit price adjustment for the asphalt binder material in the asphalt mix. For the calculation of unit price adjustments of bituminous material, the average asphalt content will be based on the percentage specified in 9-2.1.2. The weight will be determined as provided in 320-3.2 (including the provisions for the automatic recordation system).

Prepare and submit a Certification of Quantities to the Engineer in accordance with 9-2.1.2.

334-8 Basis of Payment.

334-8.1 General: Price and payment will be full compensation for all the work specified under this Section (including the applicable requirements of Sections 320 and 330).

For materials accepted in accordance with 334-5, based upon the quality of the material, a pay adjustment will be applied to the bid price of the material as determined on a LOT by LOT basis. The pay adjustment will be assessed by calculating a Pay Factor for the following

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STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

ASPHALT MIX DESIGN - SPM 18-16798A (TL-C)

		nderson Columbia Company	y, Inc.			
		SP-12.5	Intended Use Of Mix	Structure	al	
Design Traf	fic Level C		Gyrations @ Ndes	75		
Product	Description	Name		Production Facility	Plant/Mine	Terminal
334- CRUSHED	Crushed RAP Stockpile	1-16	Anderso	n Columbia Company, Inc.	A0200	
C47	S1A Stone		Anderso	n Columbia Company, Inc.	GA553	
C53	S1B Stone		Anderso	n Columbia Company, Inc.	GA553	
F22	Screenings	Screenings	Anderso	n Columbia Company, Inc.	GA553	
Sand	Sand					

PERCENTAGE BY WEIGHT TOTAL AGGREGATE PASSING SIEVES

	Blend	20%	22%	10%	33%	15%	JOB MIX	CONTROL	PRIMARY
Product		334- CRUSHED RAP	C47	C53	F22	Sand	FORMULA	POINTS	CONTROL
SIEVE SIZE	3/4" 19.0mm	100	100	100	100	100	100	100 -	
	1/2* 12.5mm	98	100	100	100	100	100	90 - 100	-
	3/8" 9.5mm	91	60	100	100	100	89	- 89	
	No. 4 4.75mm	66	15	35	98	100	67		
	No. 8 2.36mm	45	4	5	73	100	49	40 - 58	39
	No. 16 1.18mm	33	2	3	47	99	38	29 -	
	No. 30 600µm	25	1	2	32	97	31	22 -	
	No. 50 300µm	19	1	2	21	47	18	16 -	
	No. 100 150µm	11	1	2	13	10	8		
	No. 200 75µm	6.4	1.0	1.0	6.0	1.5	4.4	2 - 10	
	Gsb	2.615	2.775	2.764	2,730	2.628	2.703		

The mix properties of the Job Mix Formula have been conditionally verified, pending successful final verification during production at the assigned plant, the mix design is approved subject to F.D.O.T. specifications. JMF reflects aggregate changes expected during production.

Total Binder Content	5.1	%	Gmb @ Ndes	2.443			
Ignition Oven Corr. Factor	-0.13		Gmm	2.545			
(+ To Be Added)/(- To Be Subtracted)							
Gmm Corr. Factor	-0.004	_	Va	4.0			
Mixing Temp.	325	°F	VMA	14.2	Effective Date	10/24/2018	
(Plant)							1
Compaction Temp.	320	*F	VFA	72	Expiration Date	10/24/2021	
(Roadway)							
Spread Rate @ 1"_	110	_Ib/yd2	P-200/Pbe_	1.0			
Binder from Recycled Materials	0.96	%					
PG 76-22 (PMA) to be added	4.14	%	Additives				