Prepared: June 28, 2011
Consultant Fee Determination - Expanded Sheet
Nelson Siding Road - Phase 2 (Supplement #3)

	David Evans and Associates, Inc.			Principal In Charge	Project Manager	Sr. Prof. Engineer	Professional Engineer	Sr. Design Engineer	Design Engineer	Sr. Cadd Technician	CADD Technician	Water Resources Engr	Sr. Scientist	Structural Manager	Sr. Bridge Engineer	Environmental Planner	Administrative Assistant	Executive Administrator	Sr. Constr. Engr			
				$80.00	$59.00	$60.00	$50.00	$36.00	$31.00	$35.00	$23.50	$43.00	$38.00	$63.00	$40.00	$33.00	$24.00	$25.00	$39.00			
	Task			hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	$	Total
Task 10	**Project Administration and Coordination**																					
10.1	Project Management	months:		10	36									19				13.5		78.5	$ 4,458.50	
	internal mgmt	*9.0*			*18*															*18.0*		
	monitor budget	*9.0*			*9*															*9.0*		
	monthly invoices	*9.0*			*9*									*9*				*13.5*		*31.5*		
	QA/QC			*10*										*10*						*20.0*		
10.2	**Project Mtgs and Coordination**	months:			19		21						12	6						58.0	$ 3,005.00	
	attend 3 mtgs with AGENCY	*6.0*	*hrs/mtg*		*6*		*12*						*12*	*6*						*36.0*		
	AGENCY coordination	*9.0*			*9*		*9*													*18.0*		
	coord with approval agencies				*4*															*4.0*		
	Task 10 Total			10	55		21						12	25				14		136.5	$ 7,463.50	5.4%
Task 11	**Phase 1 Design Extra Work**																					
	PM Tasks			2	2													6.0		10.0	$ 426.00	
	Roadway tasks						90.0	75		28	48								101.0	342.0	$ 13,247.00	
	Bridge tasks					7	53			88	46	8		23	115			3		343.0	$ 13,699.00	
	Task 11 Total			2	2	7	143	75		116	94	8		23	115			9	101	695.0	$ 27,374.00	19.7%
Task 12	**Environmental Investigation and Permitting**																					
12.1	**Envir Permitting**				26		12			12			174			10	10			244.0	$ 9,736.00	7.0%
a	*Corps coordination*				*10*		*2*						*80*							*92.0*	*$ 3,730.00*	
b	*NMFS, ISFSW, WDFW coordination*				*8*		*2*						*20*							*30.0*	*$ 1,332.00*	
c	*critical **areas** memorandum*				*2*		*2*						*20*			*4*	*4*			*32.0*	*$ 1,206.00*	
d	*changed conditions memorandum*				*2*		*2*						*20*			*4*	*4*			*32.0*	*$ 1,206.00*	
e	*HPA Modification- Little Crk & No-Name Crk*				*2*		*2*			*4*			*18*			*2*	*2*			*30.0*	*$ 1,156.00*	
f	*Mitigation Plan for temporary wetland impacts*				*2*		*2*			*8*			*16*							*28.0*	*$ 1,106.00*	
12.2	**ESA**					1	1			8	8		32			6	6			62.0	$ 2,136.00	1.5%
	*ESA Report (amend **BA for No** Name Creek)*					*1*	*1*						32			*6*	*6*			*46.0*	*$ 1,668.00*	
	Exhibits									*8*	*8*									*16.0*	*$ 468.00*	
12.3	**Work Area Isolation and Turbidity Plan**					2				8			25							35.0	$ 1,350.00	1.0%
a	*Isolation Plan- Big Creek*									*1*			*2*							*3.0*	*$ 111.00*	
a	*Isolation Plan- Little Creek*									*1*			*2*							*3.0*	*$ 111.00*	
a	*Isolation Plan- No Name Creek*					*2*				*6*			*6*							*14.0*	*$ 558.00*	
b	*Turbidity Plan- Big Creek*												*5*							*5.0*	*$ 190.00*	
b	*Turbidity Plan Little Creek*												*5*							*5.0*	*$ 190.00*	
b	*Turbidity Plan- No Name Creek*												*5*							*5.0*	*$ 190.00*	
12.4	Fish Salvage **Special Provisions**												32				8			40.0	$ 1,408.00	1.0%
	Task 12 Total				26	3	13			28	8		263			16	24			381.0	$ 14,630.00	10.5%
Task 13	**Phase 2 Roadway & Bridge - 75%**																					
13.1	**75% Roadway** Design				47		233	96	16	221	80						2			695.0	$ 28,038.00	20.2%
a	**HMA Quantity** Analysis				2		8			36										46.0	$ 1,778.00	1.3%
i	*create engineered profile **on** exist centerline*				*1*		*4*			*20*										*25.0*	*$ 959.00*	
ii	*HMA prelevel Qty Analysis*				*1*		*4*			*16*										*21.0*	*$ 819.00*	
b	**Horizontal Design**				10		93			72	48									223.0	$ 8,888.00	6.4%
i	*check roadway **curve** superelev's*	*15*			*1*		*8*			*2*										*11.0*	*$ 529.00*	
ii	*modify stationing for NS-line*				*1*		*1*			*8*										*10.0*	*$ 389.00*	
iii	*create superelev diagrams/details*	*16*			*1*		*24*			*2*	*24*									*51.0*	*$ 1,893.00*	
iv	*Calculate prelevel at **curves***				*1*		*18*			*4*										*23.0*	*$ 1,099.00*	
v	*turning radii, guardrail, drainage at Westside Rd*				*1*		*10*			*24*	*6*									*41.0*	*$ 1,540.00*	

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				$80.00	$59.00	$60.00	$50.00	$36.00	$31.00	$35.00	$23.50	$43.00	$38.00	$63.00	$40.00	$33.00	$24.00	$25.00	$39.00			
	Task			hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	$	Total
vi	*fence relocation callouts*				2		8				8									18.0	$ 706.00	
vii	*mailbox relocation callouts*				1		8				6									15.0	$ 600.00	
viii	*dwy approach limits and grades*	101			2		8			16	4									30.0	$ 1,172.00	
ix	*side street paving transitions*	15					8			16										24.0	$ 960.00	
c	**Vertical Design**				11		54	26	16	17										124.0	$ 5,376.00	3.9%
i	*Markup Plan/Profile Sheets*				8		34	26												68.0	$ 3,108.00	
ii	*Create Overlay Profile*				1		8		16	1										26.0	$ 990.00	
iii	*Engineered Profile - See Task 18/MRF*																				$ -	
iv	*HMA prelevel Qty Analysis*				2		12			16										30.0	$ 1,278.00	
d	**Roadway Sections**				6		48			52	8									114.0	$ 4,762.00	3.4%
i	*merge Ph 1 and 2 typical sections into plans*						16			16										32.0	$ 1,360.00	
ii	*create cross section templates in Civil-3D*						3			8										11.0	$ 430.00	
iii	*create cross section data for staking*						3			8										11.0	$ 430.00	
iv	*pole relocation exhibit for PSE*				1		3				4									8.0	$ 303.00	
iv	*revise roadway design per utility pole design*				1		4			6										11.0	$ 469.00	
iv	*adjust shoulder to accommodate vaults, pedestals and poles*				1		8			4										13.0	$ 599.00	
iv	*KRD facilities relocation exhibit*						1				4									5.0	$ 144.00	
v	*analyze need for retaining walls (wall design is Extra Work)*				1		2			2										5.0	$ 229.00	
vi	*evaluate excavation & embankment qtys*				2		8			8										18.0	$ 798.00	
e	**Channelization**				1		14				4									19.0	$ 853.00	0.6%
i	*Temp detour plans*						4													4.0	$ 200.00	
ii	*Striping and Signing Layout*				1		10				4									15.0	$ 653.00	
f	**Drainage Design**				17		16	70		44	20						2			169.0	$ 6,361.00	4.6%
i	*Ditch Design*				6		6			34	2									48.0	$ 1,891.00	
	establish ditch flow lines				2		2			16										20.0	$ 778.00	
	modify slope, guardrail to avoid wetlands and ROW				2		2			16										20.0	$ 778.00	
	plan view exhibits of ditches for KRD				2		2			2	2									8.0	$ 335.00	
ii	*Evaluate existing non-KRD culverts for extension after new toe of slopes determined*				2		2	8		8										20.0	$ 786.00	
iii	*Stormwater Treatment*				5		6	32		2	14									59.0	$ 2,146.00	
	No Name creek culvert				2		2	8												12.0	$ 506.00	
	updates at Little Creek bridge shift				2		2	8												12.0	$ 506.00	
	grass lined ditch design for entire roadway				1		2	16		2	14									35.0	$ 1,134.00	
iv	*Details*				2		2	10												14.0	$ 578.00	
v	*Stormwater Report*				2			20			4						2			26.0	$ 980.00	
13.2	**75% Structural Design**						30	8			40	16	2	24	128					248.0	$ 10,124.00	7.3%
a	**Little Creek Bridge Design (shift 10')**						14				40	16		12	88					170.0	$ 6,604.00	
i	*re-evaluate bridge design*						4				20			8	80					112.0	$ 4,374.00	
ii	*retaining wall design*						2				20									22.0	$ 570.00	
iii	*hydraulic analysis*						4					16		2						22.0	$ 1,014.00	
iv	*markup CAD dwgs*						4							2	8					14.0	$ 646.00	
b	**No-Name Creek Culvert Design**						16	8					2	12	40					78.0	$ 3,520.00	
i	*culvert profile and details*						8	8					2	8	24					50.0	$ 2,228.00	
i	*markup CAD dwgs*						8							4	16					28.0	$ 1,292.00	

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				$80.00	$59.00	$60.00	$50.00	$36.00	$31.00	$35.00	$23.50	$43.00	$38.00	$63.00	$40.00	$33.00	$24.00	$25.00	$39.00			
	Task			hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	$	Total
13.3	75% Plan Preparation				14		82			32	301			5						434.0	$ 13,434.50	9.7%
a	New Sheets	# shts:			11		62			18	194			3						288.0	$ 9,127.00	
	Roadway Plan/Profile	*52*			*4*		*26*				*78*									*108.0*	*$ 3,369.00*	
	Summary of Quantities	*1*			*1*		*4*				*4*									*9.0*	*$ 353.00*	
	Roadway Details	*3*			*1*		*8*				*16*									*25.0*	*$ 835.00*	
	Driveway Approach Schedule & Details	*2*			*1*		*4*				*8*									*13.0*	*$ 447.00*	
	Drainage Details	*3*			*1*		*4*				*8*									*13.0*	*$ 447.00*	
	Striping & Signing Plan/Plan - 40 scale	*26*			*1*		*4*				*26*									*31.0*	*$ 870.00*	
	Striping & Signing Details/Schedule	*2*			*1*		*4*				*8*									*13.0*	*$ 447.00*	
	Detour Plan - 100 scale	*4*			*1*		*1*				*2*									*4.0*	*$ 156.00*	
	Detour Plan Details	*1*					*4*				*4*									*8.0*	*$ 294.00*	
	No-Name Creek Culvert Plan	*1*					*1*			*6*	*20*			*1*						*28.0*	*$ 793.00*	
	No-Name Creek Culvert Profile	*1*					*1*			*6*	*8*			*1*						*16.0*	*$ 511.00*	
	No-Name Creek Culvert Details	*3*					*1*			*6*	*12*			*1*						*20.0*	*$ 605.00*	
b	Update Phase 1 sheets	# shts:			3		20			14	107			2						146.0	$ 4,307.50	
	Title Sheet	*1*									*1*									*1.0*	*$ 23.50*	
	Abbreviations and Index	*1*					*1*				*4*									*5.0*	*$ 144.00*	
	Roadway Alignment Plan - 200 scale	*5*					*1*			*2*										*3.0*	*$ 120.00*	
	Roadway Typical Sections	*2*			*1*		*1*				*4*									*6.0*	*$ 203.00*	
	Mailbox Relocation Schedule	*1*					*1*				*4*									*5.0*	*$ 144.00*	
	Culvert Extension & Relocation Schedule	*2*			*1*		*4*			*4*	*8*									*17.0*	*$ 587.00*	
	Roadway TESC Plan/Plan - 40 scale	*26*					*8*				*26*									*34.0*	*$ 1,011.00*	
	Roadway Plan/Plan - 40 scale	*26*			*1*		*4*				*26*									*31.0*	*$ 870.00*	
	Redesigned Little Creek Bridge Plans	*11*								*8*	*30*			*2*						*40.0*	*$ 1,111.00*	
	update station/offset callouts at Little Crk bridge, Big Crk bridge due to revised horiz. Alignment										*4*									*4.0*	*$ 94.00*	
13.4	75% Estimate/Qty takeoffs				1		8	4		8	16									37.0	$ 1,259.00	0.9%
13.5	Prelim. Design Report				1		6										2			9.0	$ 407.00	0.3%
13.6	Prelim. Special Provisions				1	2														3.0	$ 179.00	0.1%
	Task 13 Total				64	2	359	108	16	261	437	16	2	29	128		4			1426.0	$ 53,441.50	38.5%
Task 14	Phase 2 Roadway & Bridge - 90%																					
14.1	90% Roadway Design			1	6		40	32		26										105.0	$ 4,496.00	3.2%
a	*Horizontal Design*			*1*	*1*		*8*			*8*										*18.0*		
b	*Vertical Design*				*1*		*8*			*8*										*17.0*		
c	*Striping, signing & Detours*				*1*		*8*													*9.0*	*$ 459.00*	
d	*Roadway sections*				*1*		*8*			*10*										*19.0*	*$ 809.00*	
e	*Drainage Design*				*1*			*24*												*25.0*	*$ 923.00*	
f	*Details*				*1*		*8*	*8*												*17.0*	*$ 747.00*	
14.2	90% Structural Design													4	40					44.0	$ 1,852.00	1.3%
a	*update Little Creek Bridge Design*													*2*	*20*					*22.0*		
b	*update No Name Creek Culvert Design*													*2*	*20*					*22.0*		
14.3	90% Submittal Plan Prep			1	4		8	8		20	40			4	4					89.0	$ 3,056.00	2.2%
14.4	90% Estimate				1		1													2.0	$ 109.00	0.1%
14.5	90% Special Provisions				2	8	4							4	4					22.0	$ 1,210.00	0.9%
	Task 14 Total			2	13	8	53	40		46	40			12	48					262.0	$ 10,723.00	7.7%

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				$80.00	$59.00	$60.00	$50.00	$36.00	$31.00	$35.00	$23.50	$43.00	$38.00	$63.00	$40.00	$33.00	$24.00	$25.00	$39.00			
	Task			hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	hrs	**hrs**	**$**	**Total**
Task 15	**Final PS&E**																					
15.1	Final **Plans**			1	5		20	16		40	40			8	16					146.0	$ 5,435.00	3.9%
a	*Roadway*			*1*	*4*		*20*	*16*		*20*	*20*									*81.0*		
b	*Bridge and Culvert*				*1*					*20*	*20*			*8*	*16*					*65.0*		
15.2	Final **Storm** Report				2			8			2						4			16.0	$ 549.00	0.4%
15.3	Final Hydraulic Analysis Report											8	2				4			14.0	$ 516.00	0.4%
15.4	Final **Design** Summary				1		8										2			11.0	$ 507.00	0.4%
15.5	Final **Special** Provisions				2	8	4							2	4					20.0	$ 1,084.00	0.8%
15.6	Final **Cost** Estimate			1			6								4					11.0	$ 540.00	0.4%
	Task 15 Total			2	10	8	38	24		40	42	8	2	10	24		10			218.0	$ 8,631.00	6.2%
	DEA Labor Subtotal			16	170	28	627	247	16	491	621	32	279	99	315	16	38	23	101	3118.5	$122,263.00	
Task 16	**Bid/Award Assistance**																					
16.1	Addenda	2			1		4			2				1						8.0	$ 392.00	0.3%
16.2	Pre-bid **Mtg**																				$ -	
	Task 16 Total				1		4			2				1						8.0	$ 392.00	0.3%
Task 17	**Construction Support Services**																					
17.1	Coordination				4		4						20	4						32.0	$ 1,448.00	1.0%
	pre-con mtg	*2*											*8*							*8.0*		
	onsite visits	*2*											*8*							*8.0*		
	Project Coordination	*32*			*4*		*4*						*4*	*4*						*16.0*		
17.2	**Shop** Drawing Reviews						4						4	20						28.0	$ 1,612.00	1.2%
a	*roadway and drainage submittals*				*4*		*8*													*12.0*		
b	*culvert, retaining walls, and bridge items*				*4*		*8*							*20*	*4*					*36.0*		
c	*Fish Salvage Plan submittal review*				*2*		*4*						*8*							*14.0*		
17.3	RFI's				2		4						8	4						18.0	$ 874.00	0.6%
17.4	Record **Dwgs**				2															2.0	$ 118.00	0.1%
	Task 17 Total				8		12						32	28						80.0	$ 4,052.00	2.9%
	DEA Labor Subtotal			16	179	28	643	247	16	493	621	32	311	128	315	16	38	23	101	3206.5	$126,707.00	
Task 18	**Management Reserve Fund**																					
18.1	Engineered Roadway Profile Design				1		4			20										25.0	$ 959.00	0.7%
18.2	Add'l. **HPA** modifications											4	20				4			28.0	$ 1,028.00	0.7%
18.3	Environmental Contingency												170							170.0	$ 6,460.00	4.7%
18.4	Retaining **Wall** Design				4		20			20	40			4	10					98.0	$ 3,528.00	2.5%
	Task 18 Total				5		24			40	40	4	190	4	10		4			321.0	$ 11,975.00	8.6%
	DEA Labor Total (Incl. MRF)			16	184	28	667	247	16	533	661	36	501	132	325	16	42	23	101	3527.5	$138,682.00	
																				3527.5		
																		Overhead Rate		1.7876	$247,907.94	
																		Fee		0.3000	$ 41,604.60	
																					$428,194.54	