SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Environmental Documentation	All Phases
PROJECT: Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]		DATE: March 21, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	74	@	$50.00	$3,700.00
Klinefelter K	Technician Trainee	58	@	$31.50	$1,827.00
Flores M	Senior Consultant I	30	@	$34.29	$1,028.70
Swiontek S - *On-Call*	Senior Consultant I	35	@	$30.06	$1,052.10
Calvert B	Project Director *	5	@	$80.73	$403.65
Irvin E	Associate Consultant I	8	@	$38.85	$310.80
Souliotes D	Admin Technician	2	@	$18.15	$36.30
	TOTAL HOURS	**212**		TOTAL DIRECT LABOR	**$8,358.55**

* Key Personnel

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$138.33
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$12,589.40
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$856.89
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,194.32
		TOTAL MULTIPLIERS	**$15,778.94**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.400	$128.40
				TOTAL ODC'S	**$2,185.05**

TOTAL **$26,322.54**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF RAILROAD AVENUE BRIDGE OVER FORNAT WASH
(BR. NO. 56C0099)

FPN: BRLO-5956(228)

Consultant: ICF Jones & Stokes
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.06	12500	$750.00
11"X17" B/W	$0.12	1250	$150.00
BINDING	$5.00	14	$70.00
8.5"X11" COLOR	$0.10	1500	$150.00
11"X17" COLOR	$0.20	500	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$1,220.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
Priority Mail	$18.85	4	$75.40
FedEx	$54.38	14	$761.25
			$0.00
		SUBTOTAL COST	**$836.65**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	240	$128.40
			$0.00
		TOTAL BUDGET	**$128.40**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
	$0.00	0	$0.00
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$2,185.05**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT:		DATE:
Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]		March 21, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	74	@	$50.00	$3,700.00
Klinefelter K	Technician Trainee	58	@	$31.50	$1,827.00
Flores M	Senior Consultant I	30	@	$34.29	$1,028.70
Swiontek S - On-Call	Senior Consultant I	35	@	$30.06	$1,052.10
Calvert B	Project Director	5	@	$80.73	$403.65
Irvin E	Associate Consultant I	8	@	$38.85	$310.80
Souliotes D	Admin Technician	2	@	$18.15	$36.30
	TOTAL HOURS	**212**		TOTAL DIRECT LABOR	**$8,358.55**

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$138.33
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$12,589.40
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$856.89
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,194.32
		TOTAL MULTIPLIERS	**$15,778.94**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.400	$128.40
				TOTAL ODC'S	**$2,185.05**

TOTAL **$26,322.54**

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	PHASE:
ICF Jones & Stokes	**All Phases**
PROJECT:	DATE:
Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]	**March 21, 2017**

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70	
PHASE TOTALS	**74**	**58**	**30**	**35**	**5**	**8**	**2**	**212**
PHASE I	74	58	30	35	5	8	2	212
PHASE II								
PHASE III								
PHASE IV								

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	PHASE:
ICF Jones & Stokes	**Phase 1**
PROJECT:	DATE:
Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]	**March 21, 2017**

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS	COST
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70		
Total Manhours	**74**	**58**	**30**	**35**	**5**	**8**	**2**	**212**	
4.3.4 Natural Environmental Study									
NESMI	**8**	**30**	**30**	**16**		**4**	**1**	**89**	**$ 8,645**
Biological Resource Agency Coordination	**40**			**2**				**42**	**$ 6,148**
Biological Assessment/Section 7 Consultation (Step-2)									
4.3.5 Wetland Delineation and Assessment (Field Work)	**10**	**8**		**1**	**5**			**24**	**$ 3,543**
Jurisdictional Delineation Report	**16**	**20**		**16**		**4**	**1**	**57**	**$ 5,801**

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Environmental Documentation	All Phases
PROJECT: Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	74	@	$50.00	$3,700.00
Klinefelter K	Technician Trainee	58	@	$31.50	$1,827.00
Flores M	Senior Consultant I	30	@	$34.29	$1,028.70
Swiontek S - *On-Call*	Senior Consultant I	35	@	$30.06	$1,052.10
Calvert B	Project Director *	5	@	$80.73	$403.65
Irvin E	Associate Consultant I	8	@	$38.85	$310.80
Souliotes D	Admin Technician	2	@	$18.15	$36.30
	TOTAL HOURS	**212**		TOTAL DIRECT LABOR	**$8,358.55**

* Key Personnel

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$138.33
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%	169.50%	(of Direct Labor + Escalation)	$12,589.40
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$856.89
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,194.32
		TOTAL MULTIPLIERS	**$15,778.94**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.40	$128.40
				TOTAL ODC'S	**$2,185.05**

TOTAL **$26,322.54**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF RAILROAD AVENUE BRIDGE OVER EAST CHANNEL STUBBE WASH (BR. NO. 56C0101)

FPN: BRLO-5956(229)

Consultant: ICF Jones & Stokes
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.06	12500	$750.00
11"X17" B/W	$0.12	1250	$150.00
BINDING	$5.00	14	$70.00
8.5"X11" COLOR	$0.10	1500	$150.00
11"X17" COLOR	$0.20	500	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$1,220.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
Priority Mail	$18.85	4	$75.40
FedEx	$54.38	14	$761.25
			$0.00
		SUBTOTAL COST	**$836.65**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	240	$128.40
			$0.00
		TOTAL BUDGET	**$128.40**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
	$0.00	0	$0.00
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$2,185.05**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Preliminary Engineering & Environmental	Phase I
PROJECT: Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	74	@	$50.00	$3,700.00
Klinefelter K	Technician Trainee	58	@	$31.50	$1,827.00
Flores M	Senior Consultant I	30	@	$34.29	$1,028.70
Swiontek S - On-Call	Senior Consultant I	35	@	$30.06	$1,052.10
Calvert B	Project Director	5	@	$80.73	$403.65
Irvin E	Associate Consultant I	8	@	$38.85	$310.80
Souliotes D	Admin Technician	2	@	$18.15	$36.30
	TOTAL HOURS	**212**		TOTAL DIRECT LABOR	**$8,358.55**

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$138.33
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%	169.50%	(of Direct Labor + Escalation)	$12,589.40
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$856.89
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,194.32
		TOTAL MULTIPLIERS	**$15,778.94**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.40	$128.40
				TOTAL ODC'S	**$2,185.05**

TOTAL **$26,322.54**

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	PHASE:
ICF Jones & Stokes	All Phases
PROJECT:	**DATE:**
Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(	March 27, 2017

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70	
PHASE TOTALS	**74**	**58**	**30**	**35**	**5**	**8**	**2**	**212**
PHASE I	74	58	30	35	5	8	2	212
PHASE II								
PHASE III								
PHASE IV								

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	PHASE:
ICF Jones & Stokes	Phase 1
PROJECT:	DATE:
Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]	March 21, 2017

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS	COST
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70		
Total Manhours	**74**	**58**	**30**	**35**	**5**	**8**	**2**	**212**	
4.3.4 Natural Environmental Study									
NESMI	**8**	**30**	**30**	**16**		**4**	**1**	**89**	**$ 8,645**
Biological Resource Agency Coordination	**40**			**2**				**42**	**$ 6,148**
Biological Assessment/Section 7 Consultation (Step-2)									
4.3.5 Wetland Delineation and Assessment (Field Work)	**10**	**8**		**1**	**5**			**24**	**$ 3,543**
Jurisdictional Delineation Report	**16**	**20**		**16**		**4**	**1**	**57**	**$ 5,801**

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Environmental Documentation	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	70	@	$50.00	$3,500.00
Klinefelter K	Technician Trainee	62	@	$31.50	$1,953.00
Flores M	Senior Consultant I	90	@	$34.29	$3,086.10
Swiontek S - *On-Call*	Senior Consultant I	51	@	$30.06	$1,533.06
Calvert B	Project Director *	10	@	$80.73	$807.30
Irvin E	Associate Consultant I	12	@	$38.85	$466.20
Souliotes D	Admin Technician	3	@	$18.15	$54.45

* Key Personnel

TOTAL HOURS **298** TOTAL DIRECT LABOR **$11,400.11**

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$188.67
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$17,001.44
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$1,248.62
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,983.88

TOTAL MULTIPLIERS **$21,422.61**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.400	$128.40

TOTAL ODC'S **$2,185.05**

TOTAL **$35,007.77**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF CHUCKWALLA VALLEY ROAD BRIDGE OVER AZTEC DITCH (BR. NO. 56C0102)

FPN: BRLO-5956(239)

Consultant: ICF Jones & Stokes
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.06	12500	$750.00
11"X17" B/W	$0.12	1250	$150.00
BINDING	$5.00	14	$70.00
8.5"X11" COLOR	$0.10	1500	$150.00
11"X17" COLOR	$0.20	500	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$1,220.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
Priority Mail	$18.85	4	$75.40
FedEx	$54.38	14	$761.25
			$0.00
		SUBTOTAL COST	**$836.65**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	240	$128.40
			$0.00
		TOTAL BUDGET	**$128.40**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
	$0.00	0	$0.00
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$2,185.05**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	70	@	$50.00	$3,500.00
Klinefelter K	Technician Trainee	62	@	$31.50	$1,953.00
Flores M	Senior Consultant I	90	@	$34.29	$3,086.10
Swiontek S - On-Call	Senior Consultant I	51	@	$30.06	$1,533.06
Calvert B	Project Director	10	@	$80.73	$807.30
Irvin E	Associate Consultant I	12	@	$38.85	$466.20
Souliotes D	Admin Technician	3	@	$18.15	$54.45
	TOTAL HOURS	**298**		TOTAL DIRECT LABOR	**$11,400.11**

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$188.67
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$17,001.44
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$1,248.62
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,983.88
		TOTAL MULTIPLIERS	**$21,422.61**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.40	$128.40
				TOTAL ODC'S	**$2,185.05**

TOTAL **$35,007.77**

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	PHASE:
ICF Jones & Stokes	All Phases
PROJECT:	**DATE:**
Replacement of Chuckwalla Valley Road Bridge over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]	March 27, 2017

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70	
PHASE TOTALS	**70**	**62**	**90**	**51**	**10**	**12**	**3**	**298**
PHASE I	70	62	90	51	10	12	3	298
PHASE II								
PHASE III								
PHASE IV								

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	PHASE:
ICF Jones & Stokes	Phase 1
PROJECT:	**DATE:**
Replacement of Chuckwalla Valley Road Bridge over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]	March 21, 2017

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS	COST
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70		
Total Manhours	**70**	**62**	**90**	**51**	**10**	**12**	**3**	**298**	
4.3.4 Natural Environmental Study									
NESMI	8	30	30	16		4	1	89	$ 8,645
Biological Resource Agency Coordination	24			2				26	$ 3,737
Biological Assessment/Section 7 Consultation (S	8		60	16	5	4	1	94	$ 10,114
4.3.5 Wetland Delineation and Assessment (Field Work)	14	12		1	5			32	$ 4,526
Jurisdictional Delineation Report	16	20		16		4	1	57	$ 5,801

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Environmental Documentation	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Tarantula Ditch [Br. No. 56C0103, FPN BRLO-5956(227)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	70	@	$50.00	$3,500.00
Klinefelter K	Technician Trainee	62	@	$31.50	$1,953.00
Flores M	Senior Consultant I	90	@	$34.29	$3,086.10
Swiontek S - *On-Call*	Senior Consultant I	51	@	$30.06	$1,533.06
Calvert B	Project Director *	10	@	$80.73	$807.30
Irvin E	Associate Consultant I	12	@	$38.85	$466.20
Souliotes D	Admin Technician	3	@	$18.15	$54.45
* Key Personnel					
	TOTAL HOURS	**298**		TOTAL DIRECT LABOR	**$11,400.11**

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$188.67
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$17,001.44
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$1,248.62
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,983.88
		TOTAL MULTIPLIERS	**$21,422.61**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.400	$128.40
				TOTAL ODC'S	**$2,185.05**

TOTAL **$35,007.77**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF CHUCKWALLA VALLEY ROAD BRIDGE OVER TARANTULA DITCH (BR. NO. 56C0103)

FPN: BRLO-5956(227)

Consultant: ICF Jones & Stokes
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.06	12500	$750.00
11"X17" B/W	$0.12	1250	$150.00
BINDING	$5.00	14	$70.00
8.5"X11" COLOR	$0.10	1500	$150.00
11"X17" COLOR	$0.20	500	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$1,220.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
Priority Mail	$18.85	4	$75.40
FedEx	$54.38	14	$761.25
			$0.00
		SUBTOTAL COST	**$836.65**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	240	$128.40
			$0.00
		TOTAL BUDGET	**$128.40**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
	$0.00	0	$0.00
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$2,185.05**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Preliminary Engineering & Environmental	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Tarantula Ditch [Br. No. 56C0103, FPN BRLO-5956(227)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	70	@	$50.00	$3,500.00
Klinefelter K	Technician Trainee	62	@	$31.50	$1,953.00
Flores M	Senior Consultant I	90	@	$34.29	$3,086.10
Swiontek S - On-Call	Senior Consultant I	51	@	$30.06	$1,533.06
Calvert B	Project Director	10	@	$80.73	$807.30
Irvin E	Associate Consultant I	12	@	$38.85	$466.20
Souliotes D	Admin Technician	3	@	$18.15	$54.45
	TOTAL HOURS	**298**		TOTAL DIRECT LABOR	**$11,400.11**

MULTIPLIERS

ESCALATION @	1.66%	(of Direct Labor)	$188.67
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$17,001.44
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$1,248.62
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,983.88
		TOTAL MULTIPLIERS	**$21,422.61**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.40	$128.40
				TOTAL ODC'S	**$2,185.05**

TOTAL **$35,007.77**

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	PHASE:
ICF Jones & Stokes	All Phases
PROJECT:	**DATE:**
Replacement of Chuckwalla Valley Road Bridge over Tarantula Ditch [Br. No. 56C0103, FPN BRLO-5956(227)	March 27, 2017

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70	
PHASE TOTALS	**70**	**62**	**90**	**51**	**10**	**12**	**3**	**298**
PHASE I	70	62	90	51	10	12	3	298
PHASE II								
PHASE III								
PHASE IV								

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:

ICF Jones & Stokes

PROJECT:

Replacement of Chuckwalla Valley Road Bridge over Tarantula Ditch [Br. No. 56C0103, FPN BRLO-5956(227)]

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS	COST
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70		
Total Manhours	**70**	**62**	**90**	**51**	**10**	**12**	**3**	**298**	
4.3.4 Natural Environmental Study									
NESMI	**8**	**30**	**30**	**16**		**4**	**1**	**89**	**$8,645**
Biological Resource Agency Coordination	**24**			**2**				**26**	**$3,737**
Biological Assessment/Section 7 Consultation (Ste	**8**		**60**	**16**	**5**	**4**	**1**	**94**	**$10,114**
4.3.5 Wetland Delineation and Assessment (Field Work)	**14**	**12**		**1**	**5**			**32**	**$4,526**
Jurisdictional Delineation Report	**16**	**20**		**16**		**4**	**1**	**57**	**$5,801**

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Environmental Documentation	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Sutro Ditch [Br. No. 56C0104, FPN BRLO-5956(226)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	70	@	$50.00	$3,500.00
Klinefelter K	Technician Trainee	62	@	$31.50	$1,953.00
Flores M	Senior Consultant I	90	@	$34.29	$3,086.10
Swiontek S - *On-Call*	Senior Consultant I	51	@	$30.06	$1,533.06
Calvert B	Project Director *	10	@	$80.73	$807.30
Irvin E	Associate Consultant I	12	@	$38.85	$466.20
Souliotes D	Admin Technician	3	@	$18.15	$54.45

* Key Personnel

TOTAL HOURS **298** TOTAL DIRECT LABOR **$11,400.11**

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$188.67
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$17,001.44
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$1,248.62
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,983.88

TOTAL MULTIPLIERS **$21,422.61**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.40	$128.40

TOTAL ODC'S **$2,185.05**

TOTAL **$35,007.77**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF CHUCKWALLA VALLEY ROAD BRIDGE OVER SUTRO DITCH (BR. NO. 56C0104)

FPN: BRLO-5956(226)

Consultant: ICF Jones & Stokes
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.06	12500	$750.00
11"X17" B/W	$0.12	1250	$150.00
BINDING	$5.00	14	$70.00
8.5"X11" COLOR	$0.10	1500	$150.00
11"X17" COLOR	$0.20	500	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$1,220.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
Priority Mail	$18.85	4	$75.40
FedEx	$54.38	14	$761.25
			$0.00
		SUBTOTAL COST	**$836.65**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	240	$128.40
			$0.00
		TOTAL BUDGET	**$128.40**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
	$0.00	0	$0.00
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$2,185.05**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Preliminary Engineering & Environmental	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Sutro Ditch [Br. No. 56C0104, FPN BRLO-5956(226)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	70	@	$50.00	$3,500.00
Klinefelter K	Technician Trainee	62	@	$31.50	$1,953.00
Flores M	Senior Consultant I	90	@	$34.29	$3,086.10
Swiontek S - On-Call	Senior Consultant I	51	@	$30.06	$1,533.06
Calvert B	Project Director	10	@	$80.73	$807.30
Irvin E	Associate Consultant I	12	@	$38.85	$466.20
Souliotes D	Admin Technician	3	@	$18.15	$54.45
	TOTAL HOURS	**298**		TOTAL DIRECT LABOR	**$11,400.11**

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$188.67
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$17,001.44
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$1,248.62
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,983.88
		TOTAL MULTIPLIERS	**$21,422.61**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.40	$128.40
				TOTAL ODC'S	**$2,185.05**

TOTAL **$35,007.77**

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	PHASE:
ICF Jones & Stokes	All Phases
PROJECT:	**DATE:**
Replacement of Chuckwalla Valley Road Bridge over Sutro Ditch [Br. No. 56C0104, FPN BRLO-5956(226)]	March 27, 2017

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70	
PHASE TOTALS	**70**	**62**	**90**	**51**	**10**	**12**	**3**	**298**
PHASE I	70	62	90	51	10	12	3	298
PHASE II								
PHASE III								
PHASE IV								

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:

ICF Jones & Stokes

PROJECT:

Replacement of Chuckwalla Valley Road Bridge over Sutro Ditch [Br. No. 56C0104, FPN BRLO-5956(226)]

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS	COST
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70		
Total Manhours	**70**	**62**	**90**	**51**	**10**	**12**	**3**	**298**	
4.3.4 Natural Environmental Study									
NESMI	**8**	**30**	**30**	**16**		**4**	**1**	**89**	**$ 8,645**
Biological Resource Agency Coordination	**24**			**2**				**26**	**$ 3,737**
Biological Assessment/Section 7 Consultation (Step-2)	**8**		**60**	**16**	**5**	**4**	**1**	**94**	**$ 10,114**
4.3.5 Wetland Delineation and Assessment (Field Work)	**14**	**12**		**1**	**5**			**32**	**$ 4,526**
Jurisdictional Delineation Report	**16**	**20**		**16**		**4**	**1**	**57**	**$ 5,801**

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	**Environmental Documentation**	**All Phases**
PROJECT: **Replacement of Chuckwalla Valley Road Bridge over Acari Ditch [Br. No. 56C0108, FPN BRLO-5956(225)]**		DATE: **March 27, 2017**

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	70	@	$50.00	$3,500.00
Klinefelter K	Technician Trainee	62	@	$31.50	$1,953.00
Flores M	Senior Consultant I	90	@	$34.29	$3,086.10
Swiontek S - ***On-Call***	Senior Consultant I	51	@	$30.06	$1,533.06
Calvert B	Project Director *	10	@	$80.73	$807.30
Irvin E	Associate Consultant I	12	@	$38.85	$466.20
Souliotes D	Admin Technician	3	@	$18.15	$54.45

* Key Personnel

TOTAL HOURS **298** TOTAL DIRECT LABOR **$11,400.11**

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$188.67
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$17,001.44
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$1,248.62
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,983.88

TOTAL MULTIPLIERS **$21,422.61**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.400	$128.40

TOTAL ODC'S **$2,185.05**

TOTAL **$35,007.77**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF CHUCKWALLA VALLEY ROAD BRIDGE OVER ACARI DITCH (BR. NO. 56C0108)

FPN: BRLO-5956(226)

Consultant: ICF Jones & Stokes
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.06	12500	$750.00
11"X17" B/W	$0.12	1250	$150.00
BINDING	$5.00	14	$70.00
8.5"X11" COLOR	$0.10	1500	$150.00
11"X17" COLOR	$0.20	500	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$1,220.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
Priority Mail	$18.85	4	$75.40
FedEx	$54.38	14	$761.25
			$0.00
		SUBTOTAL COST	**$836.65**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	240	$128.40
			$0.00
		TOTAL BUDGET	**$128.40**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**QUANTITY**	**TOTAL COST**
	$0.00	0	$0.00
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$2,185.05**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
ICF Jones & Stokes	Preliminary Engineering & Environmental	Phase I
PROJECT:		DATE:
Replacement of Chuckwalla Valley Road Bridge over Acari Ditch [Br. No. 56C0108, FPN BRLO-5956(225)]		March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Hoisington G	Managing Consultant	70	@	$50.00	$3,500.00
Klinefelter K	Technician Trainee	62	@	$31.50	$1,953.00
Flores M	Senior Consultant I	90	@	$34.29	$3,086.10
Swiontek S - On-Call	Senior Consultant I	51	@	$30.06	$1,533.06
Calvert B	Project Director	10	@	$80.73	$807.30
Irvin E	Associate Consultant I	12	@	$38.85	$466.20
Souliotes D	Admin Technician	3	@	$18.15	$54.45
	TOTAL HOURS	**298**		TOTAL DIRECT LABOR	**$11,400.11**

MULTIPLIERS

ESCALATION @	1.655%	(of Direct Labor)	$188.67
FTE OVERHEAD @ (W/ A FRINGE BENEFIT OF 35.72%)	169.50%	(of Direct Labor + Escalation)	$17,001.44
On-Call Employee OVERHEAD @ (W/ A FRINGE BENEFIT OF 10.6%)	80.12%	(of Direct Labor + Escalation)	$1,248.62
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,983.88
		TOTAL MULTIPLIERS	**$21,422.61**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$1,220.00	$1,220.00
Mailing and Special Delivery	1	LS	@	$836.65	$836.65
Mileage and Travel	1	LS	@	$128.40	$128.40
				TOTAL ODC'S	**$2,185.05**

TOTAL **$35,007.77**

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	PHASE:
ICF Jones & Stokes	All Phases
PROJECT:	**DATE:**
Replacement of Chuckwalla Valley Road Bridge over Acari Ditch [Br. No. 56C0108, FPN BRLO-5956(225)]	March 27, 2017

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70	
PHASE TOTALS	**70**	**62**	**90**	**51**	**10**	**12**	**3**	**298**
PHASE I	70	62	90	51	10	12	3	298
PHASE II								
PHASE III								
PHASE IV								

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:

ICF Jones & Stokes

PROJECT:

Replacement of Chuckwalla Valley Road Bridge over Acari Ditch [Br. No. 56C0108, FPN BRLO-5956(225)]

TASK	MANAGING CONSULTANT	TECHNICIAN TRAINEE	SENIOR CONSULTANT I	SENIOR CONSULTANT I	PROJECT DIRECTOR	ASSOCIATE CONSULTANT I	ADMIN TECHNICIAN	HOURS	COST
	$150.68	$94.93	$103.34	$60.54	$243.28	$117.08	$54.70		
Total Manhours	**70**	**62**	**90**	**51**	**10**	**12**	**3**	**298**	
4.3.4 Natural Environmental Study									
NESMI	**8**	**30**	**30**	**16**		**4**	**1**	**89**	**$ 8,645**
Bio Resource Agency Coordination	**24**			**2**				**26**	**$ 3,737**
OPTIONAL: Biological Assessment	**8**		**60**	**16**	**5**	**4**	**1**	**94**	**$ 10,114**
4.3.5 Wetland Delineation and Assessment (Field Work)	**14**	**12**		**1**	**5**			**32**	**$ 4,526**
Jurisdictional Delineation Report	**16**	**20**		**16**		**4**	**1**	**57**	**$ 5,801**

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases

PROJECT: Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225), Br. No. 56C0099, and Br. No. 56C0101]

DATE: August 25, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager *	272	@	$71.94	$19,567.68
Ruel Ituralde	Project Engineer	196	@	$48.00	$9,408.00
Christopher Aguilar	Design Engineer	482	@	$28.00	$13,496.00
Genevieve Smith	Cadd Designer	248	@	$24.00	$5,952.00
Sally Beavan	Project Coordinator	84	@	$16.00	$1,344.00

* Key Personnel

TOTAL HOURS **1,282** TOTAL DIRECT LABOR **$49,767.68**

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$373.26
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$20,056.38
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$41,115.57
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	$11,131.29

TOTAL MULTIPLIERS **$72,676.49**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$3,186.00	$3,186.00
Mailing and Special Delivery	1	LS	@	$600.00	$600.00
Mileage and Travel	1	LS	@	$642.00	$642.00

TOTAL ODC'S **$4,428.00**

TOTAL **$126,872.17**

EXHIBIT 10-H COST PROPOSAL

ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS

(CALCULATIONS FOR ANTICIPATED SALARY INCREASES)

Consultant Aguilar Consulting, Inc. Contract No. _____ Date 9/13/2017

1. Calculate Average Hourly Rate for 1st year of the contract (Direct Labor Subtotal divided by total hours)

Direct Labor Subtotal per Cost Proposal	Total Hours per Cost Proposal		Avg Hourly Rate	5 Year Contract Duration
$49,768	1282	=	$38.82	Year 1 Avg Hourly Rate

2. Calculate hourly rate for all years (Increase the Average Hourly Rate for a year by proposed escalation %)

	Avg Hourly Rate		Proposed Escalation			
Year 1	$38.82	+	2.5%	=	$39.79	Year 2 Avg Hourly Rate
Year 2	$39.79	+	2.5%	=	$40.79	Year 3 Avg Hourly Rate
Year 3	$40.79	+	2.5%	=	$41.81	Year 4 Avg Hourly Rate
Year 4	$41.81	+	2.5%	=	$42.85	Year 5 Avg Hourly Rate

3. Calculate estimated hours per year (Multiply estimate % each year by total hours)

	Estimated % Completed Each Year		Total Hours per Cost Proposal		Total Hours per Year	
Year 1	70.00%	*	1282.0	=	897.4	Estimated Hours Year 1
Year 2	30.00%	*	1282.0	=	384.6	Estimated Hours Year 2
Year 3	0.00%	*	1282.0	=	0.0	Estimated Hours Year 3
Year 4	0.00%	*	1282.0	=	0.0	Estimated Hours Year 4
Year 5	0.00%	*	1282.0	=	0.0	Estimated Hours Year 5
Total	100%		Total	=	1282.0	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year	
Year 1	$38.82	*	897	=	$34,837.38	Estimated Hours Year 1
Year 2	$39.79	*	385	=	$15,303.56	Estimated Hours Year 2
Year 3	$40.79	*	0	=	$0.00	Estimated Hours Year 3
Year 4	$41.81	*	0	=	$0.00	Estimated Hours Year 4
Year 5	$42.85	*	0	=	$0.00	Estimated Hours Year 5
	Total Direct Labor Cost with Escalation			=	$50,140.94	
	Direct Labor Subtotal before Escalation			=	$49,767.68	
	Estimated total of Direct Labor Salary Increase		**(Dollar Amount)**	=	**$373.26**	Transfer to Page 1
	Estimated total of Direct Labor Salary Increase		**(%)**		**0.750%**	Transfer to Page 1

NOTES:

- This is not the only way to estimate salary increases. Other methods will be accepted if they clearly indicate the % increase, the # of years of the contract, and a breakdown of the labor to be performed each year.
- An estimation that is based on direct labor multiplied by salary increase % multiplied by the # of years is not acceptable. (i.e. $250,000 x 2% x 5 yrs = $25,000 is not an acceptable methodology)
- This assumes that one year will be worked at the rate on the cost proposal before salary increases are granted.

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF SIX CHUCKWALLA VALLEY ROAD AND RAILROAD AVENUE BRIDGES

FPN: BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225)

Consultant: Aguilar Consulting, Inc. (ACI)

Contract No.:

Date: 9/13/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.05	3000	$150.00
8.5"X11" COLOR	$0.25	600	$150.00
11"X17" COLOR	$0.30	120	$36.00
24"X36" B/W	$8.00	60	$480.00
30"X42" COLOR	$8.00	240	$1,920.00
3-RING BINDER	$5.00	90	$450.00
			$0.00
			$0.00
		SUBTOTAL COST	**$3,186.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Overnight Delivery	$25.00	24	$600.00
			$0.00
			$0.00
		SUBTOTAL COST	**$600.00**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	1200	$642.00
			$0.00
		TOTAL BUDGET	**$642.00**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$4,428.00**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental Documentation	Phase I

PROJECT:	DATE:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225), Br. No. 56C0099, and Br. No. 56C0101]	August 25, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager	272	@	$71.94	$19,567.68
Ruel Ituralde	Project Engineer	196	@	$48.00	$9,408.00
Christopher Aguilar	Design Engineer	482	@	$28.00	$13,496.00
Genevieve Smith	Cadd Designer	248	@	$24.00	$5,952.00
Sally Beavan	Project Coordinator	84	@	$16.00	$1,344.00
	TOTAL HOURS	1,282		TOTAL DIRECT LABOR	$49,767.68

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$373.26
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$20,056.38
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$41,115.57
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	$11,131.29
		TOTAL MULTIPLIERS	$72,676.49

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$3,186.00	$3,186.00
Mailing and Special Delivery	1	LS	@	$600.00	$600.00
Mileage and Travel	1	LS	@	$642.00	$642.00
				TOTAL ODC'S	$4,428.00

TOTAL $126,872.17

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases

PROJECT:	DATE:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225), Br. No. 56C0099, and Br. No. 56C0101]	August 25, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR	HOURS
	$177.00	$118.10	$68.89	$59.05	$39.37	
PHASE TOTALS	**272**	**196**	**482**	**248**	**84**	**1,282**
PHASE I	272	196	482	248	84	1,282
PHASE II						
PHASE III						
PHASE IV						

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Er	Phase I

PROJECT:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225), Br. No. 56C0099, and Br. No. 56C0101]

DATE: August 25, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR							HOURS	COST
	$177.00	$118.10	$68.89	$59.05	$39.37								
Total Manhours	**272**	**196**	**482**	**248**	**84**							**1,282**	
1.1 Project Management													
1.2 Project Team Meetings	**42**				**12**							**54**	**$ 7,906**
1.3 Quality Control and Quality Assurance (QC/QA)	**36**	**48**										**84**	**$ 12,040**
2.0 Research and Data Gathering													
2.1 Collect and Review Existing Information	**12**	**24**	**36**									**72**	**$ 7,438**
2.2 Conduct Field Review	**12**	**12**	**12**									**36**	**$ 4,368**
3.0 Preliminary Engineering													
3.1 Traffic Study (Technical Memorandum/Traffic Summary)													
3.2 Preliminary Utility Mapping													
3.3 Permits													
3.4 Surveying and Right-of-Way Mapping (by County)													
3.5 Preliminary Geotechnical Studies													
3.6 Right-of-Way Requirements Map													
3.7 Geometric Approval Drawings													
3.8 Structure Advance Planning Study													
3.9 Hydrologic, Hydraulic and Scour Studies	**170**	**112**	**434**	**248**	**72**							**1,036**	**$ 90,692**
3.10 Advisory and Mandatory Fact Sheets													
3.11 Engineer's Estimate													
4.0 Environmental Clearance & Documentation													
4.1 Project Initiation													
4.2 Preliminary Environmental Study (PES)													
4.3 Technical Studies													
4.3.1 Hazardous Waste (Initial Site Assessment)													
4.3.2 Preliminary Site Assessment (Step-2)													
4.3.3 Water Quality Assessment Studies													

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Er	Phase I

PROJECT:	DATE:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225), Br. No. 56C0099, and Br. No. 56C0101]	August 25, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR							HOURS	COST
4.3.4 Natural Environmental Study													
4.3.5 Wetland Delineation and Assessment													
4.3.6 Section 4(f) Evaluation (Individual Finding)													
4.3.7 Visual Resources (Minor Visual Impact Asses													
4.3.8 Culture Resources Study (APE/ASR/HRER/HI													
4.3.9A Finding of Effect (FoE) (Step-2)													
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)													
4.3.10 CEQA Notice of Exemption (NOE)													
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)													
4.5.1 Administrative Draft IS/EA													
4.5.2 Draft IS/EA for Public Review													
4.5.3 Public Review													
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)													
4.5.5 Final MND/FONSI													

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228))		DATE: August 25, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager *	39	@	$71.94	$2,805.66
Ruel Ituralde	Project Engineer	26	@	$48.00	$1,248.00
Christopher Aguilar	Design Engineer	60	@	$28.00	$1,680.00
Genevieve Smith	Cadd Designer	32	@	$24.00	$768.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00

* Key Personnel

TOTAL HOURS 171 TOTAL DIRECT LABOR **$6,725.66**

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$50.44
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$2,710.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$5,556.40
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,504.29
		TOTAL MULTIPLIERS	**$9,821.58**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00

TOTAL ODC'S **$738.00**

TOTAL **$17,285.24**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF RAILROAD AVENUE BRIDGE OVER FORNAT WASH

(BR. NO. 56C0099)

FPN: BRLO-5956(228)

Consultant: Aguilar Consulting, Inc. (ACI)

Contract No.:

Date: 9/13/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.05	500	$25.00
8.5"X11" COLOR	$0.25	100	$25.00
11"X17" COLOR	$0.30	20	$6.00
24"X36" B/W	$8.00	10	$80.00
30"X42" COLOR	$8.00	40	$320.00
3-RING BINDER	$5.00	15	$75.00
			$0.00
		SUBTOTAL COST	**$531.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Overnight Delivery	$25.00	4	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$100.00**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	200	$107.00
			$0.00
		TOTAL BUDGET	**$107.00**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$738.00**

NOTES:

1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT: Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228))		DATE: August 25, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager	39	@	$71.94	$2,805.66
Ruel Ituralde	Project Engineer	26	@	$48.00	$1,248.00
Christopher Aguilar	Design Engineer	60	@	$28.00	$1,680.00
Genevieve Smith	Cadd Designer	32	@	$24.00	$768.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00
	TOTAL HOURS	171		TOTAL DIRECT LABOR	$6,725.66

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$50.44
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$2,710.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$5,556.40
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,504.29
		TOTAL MULTIPLIERS	$9,821.58

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00
				TOTAL ODC'S	$738.00

TOTAL $17,285.24

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228))		DATE: August 25, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR	HOURS
	$177.00	$118.10	$68.89	$59.05	$39.37	
PHASE TOTALS	**39**	**26**	**60**	**32**	**14**	**171**
PHASE I	39	26	60	32	14	171
PHASE II						
PHASE III						
PHASE IV						

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental	Phase I
PROJECT: Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228))		DATE: August 25, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
	$177.00	$118.10	$68.89	$59.05	$39.37									
Total Manhours	39	26	60	32	14								171	
1.1 Project Management														
1.2 Project Team Meetings	7				2								9	$ 1,318
1.3 Quality Control and Quality Assurance (QC/QA)	6	8											14	$ 2,007
2.0 Research and Data Gathering														
2.1 Collect and Review Existing Information	2	4	6										12	$ 1,240
2.2 Conduct Field Review	2	2	2										6	$ 728
3.0 Preliminary Engineering														
3.1 Traffic Study (Technical Memorandum/Traffic Summary)														
3.2 Preliminary Utility Mapping														
3.3 Permits														
3.4 Surveying and Right-of-Way Mapping (by County)														
3.5 Preliminary Geotechnical Studies														
3.6 Right-of-Way Requirements Map														
3.7 Geometric Approval Drawings														
3.8 Structure Advance Planning Study														
3.9 Hydrologic, Hydraulic and Scour Studies	22	12	52	32	12								130	$ 11,255
3.10 Advisory and Mandatory Fact Sheets														
3.11 Engineer's Estimate														
4.0 Environmental Clearance & Documentation														
4.1 Project Initiation														
4.2 Preliminary Environmental Study (PES)														
4.3 Technical Studies														
4.3.1 Hazardous Waste (Initial Site Assessment)														
4.3.2 Preliminary Site Assessment (Step-2)														
4.3.3 Water Quality Assessment Studies														
4.3.4 Natural Environmental Study														
4.3.5 Wetland Delineation and Assessment														
4.3.6 Section 4(f) Evaluation (Individual Finding)														

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental	Phase I
PROJECT: Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228))		DATE: August 25, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
4.3.7 Visual Resources (Minor Visual Impact Assessment)														
4.3.8 Culture Resources Study (APE/ASR/HRER/HPSR)														
4.3.9A Finding of Effect (FoE) (Step-2)														
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)														
4.3.10 CEQA Notice of Exemption (NOE)														
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)														
4.5.1 Administrative Draft IS/EA														
4.5.2 Draft IS/EA for Public Review														
4.5.3 Public Review														
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)														
4.5.5 Final MND/FONSI														

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Railroad Avenue Bridge over East Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229))		DATE: August 25, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE		AMOUNT
Ceazar Aguilar	Project Manager *	41	@	$71.94	$2,949.54
Ruel Ituralde	Project Engineer	30	@	$48.00	$1,440.00
Christopher Aguilar	Design Engineer	66	@	$28.00	$1,848.00
Genevieve Smith	Cadd Designer	36	@	$24.00	$864.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00

* Key Personnel

TOTAL HOURS **187** TOTAL DIRECT LABOR **$7,325.54**

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$54.94
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$2,952.19
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$6,051.99
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,638.47

TOTAL MULTIPLIERS **$10,697.60**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00

TOTAL ODC'S **$738.00**

TOTAL **$18,761.14**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF RAILROAD AVENUE BRIDGE OVER EAST STUBBE WASH
(BR. NO. 56C0101)
FPN: BRLO-5956(229)

Consultant: Aguilar Consulting, Inc. (ACI)
Contract No.:
Date: 9/13/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.05	500	$25.00
8.5"X11" COLOR	$0.25	100	$25.00
11"X17" COLOR	$0.30	20	$6.00
24"X36" B/W	$8.00	10	$80.00
30"X42" COLOR	$8.00	40	$320.00
3-RING BINDER	$5.00	15	$75.00
			$0.00
		SUBTOTAL COST	**$531.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Overnight Delivery	$25.00	4	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$100.00**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	200	$107.00
			$0.00
		TOTAL BUDGET	**$107.00**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$738.00**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT: Replacement of Railroad Avenue Bridge over East Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229))		DATE: August 25, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager	41	@	$71.94	$2,949.54
Ruel Ituralde	Project Engineer	30	@	$48.00	$1,440.00
Christopher Aguilar	Design Engineer	66	@	$28.00	$1,848.00
Genevieve Smith	Cadd Designer	36	@	$24.00	$864.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00
	TOTAL HOURS	187		TOTAL DIRECT LABOR	$7,325.54

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$54.94
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$2,952.19
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$6,051.99
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,638.47
		TOTAL MULTIPLIERS	$10,697.60

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00
				TOTAL ODC'S	$738.00

TOTAL $18,761.14

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Railroad Avenue Bridge over East Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229))		DATE: August 25, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR	HOURS
	$177.00	$118.10	$68.89	$59.05	$39.37	
PHASE TOTALS	**41**	**30**	**66**	**36**	**14**	**187**
PHASE I	41	30	66	36	14	187
PHASE II						
PHASE III						
PHASE IV						

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental	Phase I
PROJECT: Replacement of Railroad Avenue Bridge over East Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229))		DATE: August 25, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
	$177.00	$118.10	$68.89	$59.05	$39.37									
Total Manhours	41	30	66	36	14								187	
1.1 Project Management														
1.2 Project Team Meetings	7				2								9	$ 1,318
1.3 Quality Control and Quality Assurance (QC/QA)	6	8											14	$ 2,007
2.0 Research and Data Gathering														
2.1 Collect and Review Existing Information	2	4	6										12	$ 1,240
2.2 Conduct Field Review	2	2	2										6	$ 728
3.0 Preliminary Engineering														
3.1 Traffic Study (Technical Memorandum/Traffic Summary)														
3.2 Preliminary Utility Mapping														
3.3 Permits														
3.4 Surveying and Right-of-Way Mapping (by County)														
3.5 Preliminary Geotechnical Studies														
3.6 Right-of-Way Requirements Map														
3.7 Geometric Approval Drawings														
3.8 Structure Advance Planning Study														
3.9 Hydrologic, Hydraulic and Scour Studies	24	16	58	36	12								146	$ 12,731
3.10 Advisory and Mandatory Fact Sheets														
3.11 Engineer's Estimate														
4.0 Environmental Clearance & Documentation														
4.1 Project Initiation														
4.2 Preliminary Environmental Study (PES)														
4.3 Technical Studies														
4.3.1 Hazardous Waste (Initial Site Assessment)														
4.3.2 Preliminary Site Assessment (Step-2)														
4.3.3 Water Quality Assessment Studies														
4.3.4 Natural Environmental Study														
4.3.5 Wetland Delineation and Assessment														
4.3.6 Section 4(f) Evaluation (Individual Finding)														

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental	Phase I
PROJECT: Replacement of Railroad Avenue Bridge over East Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229))		DATE: August 25, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
4.3.7 Visual Resources (Minor Visual Impact Assessment)														
4.3.8 Culture Resources Study (APE/ASR/HRER/HPSR)														
4.3.9A Finding of Effect (FoE) (Step-2)														
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)														
4.3.10 CEQA Notice of Exemption (NOE)														
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)														
4.5.1 Administrative Draft IS/EA														
4.5.2 Draft IS/EA for Public Review														
4.5.3 Public Review														
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)														
4.5.5 Final MND/FONSI														

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE		AMOUNT
Ceazar Aguilar	Project Manager *	48	@	$71.94	$3,453.12
Ruel Ituralde	Project Engineer	35	@	$48.00	$1,680.00
Christopher Aguilar	Design Engineer	89	@	$28.00	$2,492.00
Genevieve Smith	Cadd Designer	45	@	$24.00	$1,080.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00

* Key Personnel

TOTAL HOURS **231** TOTAL DIRECT LABOR **$8,929.12**

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$66.97
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$3,598.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$7,376.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,997.13
		TOTAL MULTIPLIERS	**$13,039.33**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00

TOTAL ODC'S **$738.00**

TOTAL **$22,706.45**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF CHUCKWALLA VALLEY ROAD BRIDGE OVER AZTEC DITCH
(BR. NO. 56C0102)

FPN: BRLO-5956(239)

Consultant: Aguilar Consulting, Inc. (ACI)
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.05	500	$25.00
8.5"X11" COLOR	$0.25	100	$25.00
11"X17" COLOR	$0.30	20	$6.00
24"X36" B/W	$8.00	10	$80.00
30"X42" COLOR	$8.00	40	$320.00
3-RING BINDER	$5.00	15	$75.00
			$0.00
		SUBTOTAL COST	**$531.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Overnight Delivery	$25.00	4	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$100.00**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	200	$107.00
			$0.00
		TOTAL BUDGET	**$107.00**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$738.00**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT:		DATE:
Replacement of Chuckwalla Valley Road Bridge over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]		March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager	48	@	$71.94	$3,453.12
Ruel Ituralde	Project Engineer	35	@	$48.00	$1,680.00
Christopher Aguilar	Design Engineer	89	@	$28.00	$2,492.00
Genevieve Smith	Cadd Designer	45	@	$24.00	$1,080.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00
	TOTAL HOURS	231		TOTAL DIRECT LABOR	$8,929.12

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$66.97
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$3,598.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$7,376.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,997.13
		TOTAL MULTIPLIERS	$13,039.33

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.00	$107.00
				TOTAL ODC'S	$738.00

TOTAL $22,706.45

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR	HOURS
	$177.00	$118.10	$68.89	$59.05	$39.37	
PHASE TOTALS	**48**	**35**	**89**	**45**	**14**	**231**
PHASE I	48	35	89	45	14	231
PHASE II						
PHASE III						
PHASE IV						

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environment	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
	$177.00	$118.10	$68.89	$59.05	$39.37									
Total Manhours	48	35	89	45	14								231	
1.1 Project Management														
1.2 Project Team Meetings	7				2								9	$ 1,318
1.3 Quality Control and Quality Assurance (QC/QA)	6	8											14	$ 2,007
2.0 Research and Data Gathering														
2.1 Collect and Review Existing Information	2	4	6										12	$ 1,240
2.2 Conduct Field Review	2	2	2										6	$ 728
3.0 Preliminary Engineering														
3.1 Traffic Study (Technical Memorandum/Traffic Summary)														
3.2 Preliminary Utility Mapping														
3.3 Permits														
3.4 Surveying and Right-of-Way Mapping (by County)														
3.5 Preliminary Geotechnical Studies														
3.6 Right-of-Way Requirements Map														
3.7 Geometric Approval Drawings														
3.8 Structure Advance Planning Study														
3.9 Hydrologic, Hydraulic and Scour Studies	31	21	81	45	12								190	$ 16,676
3.10 Advisory and Mandatory Fact Sheets														
3.11 Engineer's Estimate														
4.0 Environmental Clearance & Documentation														
4.1 Project Initiation														
4.2 Preliminary Environmental Study (PES)														
4.3 Technical Studies														
4.3.1 Hazardous Waste (Initial Site Assessment)														
4.3.2 Preliminary Site Assessment (Step-2)														
4.3.3 Water Quality Assessment Studies														
4.3.4 Natural Environmental Study														
4.3.5 Wetland Delineation and Assessment														

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environment	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
4.3.6 Section 4(f) Evaluation (Individual Finding)														
4.3.7 Visual Resources (Minor Visual Impact Assessment)														
4.3.8 Culture Resources Study (APE/ASR/HRER/HPSR)														
4.3.9A Finding of Effect (FoE) (Step-2)														
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)														
4.3.10 CEQA Notice of Exemption (NOE)														
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)														
4.5.1 Administrative Draft IS/EA														
4.5.2 Draft IS/EA for Public Review														
4.5.3 Public Review														
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)														
4.5.5 Final MND/FONSI														

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Tarantula Ditch [Br. No. 56C0103, FPN BRLO-5956(227)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE		AMOUNT
Ceazar Aguilar	Project Manager *	48	@	$71.94	$3,453.12
Ruel Ituralde	Project Engineer	35	@	$48.00	$1,680.00
Christopher Aguilar	Design Engineer	89	@	$28.00	$2,492.00
Genevieve Smith	Cadd Designer	45	@	$24.00	$1,080.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00

* Key Personnel

TOTAL HOURS **231** TOTAL DIRECT LABOR **$8,929.12**

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$66.97
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$3,598.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$7,376.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,997.13
		TOTAL MULTIPLIERS	**$13,039.33**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00

TOTAL ODC'S **$738.00**

TOTAL **$22,706.45**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF CHUCKWALLA VALLEY ROAD BRIDGE OVER TARANTULA DITCH (BR. NO. 56C0103)

FPN: BRLO-5956(227)

Consultant: Aguilar Consulting, Inc. (ACI)
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.05	500	$25.00
8.5"X11" COLOR	$0.25	100	$25.00
11"X17" COLOR	$0.30	20	$6.00
24"X36" B/W	$8.00	10	$80.00
30"X42" COLOR	$8.00	40	$320.00
3-RING BINDER	$5.00	15	$75.00
			$0.00
		SUBTOTAL COST	**$531.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Overnight Delivery	$25.00	4	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$100.00**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	200	$107.00
			$0.00
		TOTAL BUDGET	**$107.00**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$738.00**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Tarantula Ditch [Br. No. 56C0103, FPN BRLO-5956(227)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager	48	@	$71.94	$3,453.12
Ruel Ituralde	Project Engineer	35	@	$48.00	$1,680.00
Christopher Aguilar	Design Engineer	89	@	$28.00	$2,492.00
Genevieve Smith	Cadd Designer	45	@	$24.00	$1,080.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00
	TOTAL HOURS	231		TOTAL DIRECT LABOR	$8,929.12

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$66.97
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$3,598.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$7,376.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,997.13
		TOTAL MULTIPLIERS	$13,039.33

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00
				TOTAL ODC'S	$738.00

TOTAL $22,706.45

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Tarantula Ditch [Br. No. 56C0103, FPN BRLO-5956(227)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR	HOURS
	$177.00	$118.10	$68.89	$59.05	$39.37	
PHASE TOTALS	**48**	**35**	**89**	**45**	**14**	**231**
PHASE I	48	35	89	45	14	231
PHASE II						
PHASE III						
PHASE IV						

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environment	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Tarantula Ditch [Br. No. 56C0103, FPN BRLO-5956(227)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR							HOURS	COST
	$177.00	$118.10	$68.89	$59.05	$39.37								
Total Manhours	48	35	89	45	14							231	
1.1 Project Management													
1.2 Project Team Meetings	7				2							9	$ 1,318
1.3 Quality Control and Quality Assurance (QC/QA)	6	8										14	$ 2,007
2.0 Research and Data Gathering													
2.1 Collect and Review Existing Information	2	4	6									12	$ 1,240
2.2 Conduct Field Review	2	2	2									6	$ 728
3.0 Preliminary Engineering													
3.1 Traffic Study (Technical Memorandum/Traffic Summary)													
3.2 Preliminary Utility Mapping													
3.3 Permits													
3.4 Surveying and Right-of-Way Mapping (by County)													
3.5 Preliminary Geotechnical Studies													
3.6 Right-of-Way Requirements Map													
3.7 Geometric Approval Drawings													
3.8 Structure Advance Planning Study													
3.9 Hydrologic, Hydraulic and Scour Studies	31	21	81	45	12							190	$ 16,676
3.10 Advisory and Mandatory Fact Sheets													
3.11 Engineer's Estimate													
4.0 Environmental Clearance & Documentation													
4.1 Project Initiation													
4.2 Preliminary Environmental Study (PES)													
4.3 Technical Studies													
4.3.1 Hazardous Waste (Initial Site Assessment)													
4.3.2 Preliminary Site Assessment (Step-2)													
4.3.3 Water Quality Assessment Studies													
4.3.4 Natural Environmental Study													
4.3.5 Wetland Delineation and Assessment													

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environment	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Tarantula Ditch [Br. No. 56C0103, FPN BRLO-5956(227)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
4.3.6 Section 4(f) Evaluation (Individual Finding)														
4.3.7 Visual Resources (Minor Visual Impact Assessment)														
4.3.8 Culture Resources Study (APE/ASR/HRER/HPSR)														
4.3.9A Finding of Effect (FoE) (Step-2)														
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)														
4.3.10 CEQA Notice of Exemption (NOE)														
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)														
4.5.1 Administrative Draft IS/EA														
4.5.2 Draft IS/EA for Public Review														
4.5.3 Public Review														
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)														
4.5.5 Final MND/FONSI														

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Sutro Ditch [Br. No. 56C0104, FPN BRLO-5956(226)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS	RATE		AMOUNT
Ceazar Aguilar	Project Manager *	48	@	$71.94	$3,453.12
Ruel Ituralde	Project Engineer	35	@	$48.00	$1,680.00
Christopher Aguilar	Design Engineer	89	@	$28.00	$2,492.00
Genevieve Smith	Cadd Designer	45	@	$24.00	$1,080.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00

* Key Personnel

TOTAL HOURS **231** TOTAL DIRECT LABOR **$8,929.12**

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$66.97
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$3,598.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$7,376.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,997.13

TOTAL MULTIPLIERS **$13,039.33**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00

TOTAL ODC'S **$738.00**

TOTAL **$22,706.45**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF CHUCKWALLA VALLEY ROAD BRIDGE OVER SUTRO DITCH
(BR. NO. 56C0104)

FPN: BRLO-5956(226)

Consultant: Aguilar Consulting, Inc. (ACI)
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
8.5"X11" B/W	$0.05	500	$25.00
8.5"X11" COLOR	$0.25	100	$25.00
11"X17" COLOR	$0.30	20	$6.00
24"X36" B/W	$8.00	10	$80.00
30"X42" COLOR	$8.00	40	$320.00
3-RING BINDER	$5.00	15	$75.00
			$0.00
		SUBTOTAL COST	**$531.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Overnight Delivery	$25.00	4	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$100.00**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	200	$107.00
			$0.00
		TOTAL BUDGET	**$107.00**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$738.00**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Sutro Ditch [Br. No. 56C0104, FPN BRLO-5956(226)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager	48	@	$71.94	$3,453.12
Ruel Ituralde	Project Engineer	35	@	$48.00	$1,680.00
Christopher Aguilar	Design Engineer	89	@	$28.00	$2,492.00
Genevieve Smith	Cadd Designer	45	@	$24.00	$1,080.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00
	TOTAL HOURS	231		TOTAL DIRECT LABOR	$8,929.12

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$66.97
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$3,598.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$7,376.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,997.13
		TOTAL MULTIPLIERS	$13,039.33

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00
				TOTAL ODC'S	$738.00

TOTAL $22,706.45

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Sutro Ditch [Br. No. 56C0104, FPN BRLO-5956(226)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR	HOURS
	$177.00	$118.10	$68.89	$59.05	$39.37	
PHASE TOTALS	**48**	**35**	**89**	**45**	**14**	**231**
PHASE I	48	35	89	45	14	231
PHASE II						
PHASE III						
PHASE IV						

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environment	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Sutro Ditch [Br. No. 56C0104, FPN BRLO-5956(226)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
	$177.00	$118.10	$68.89	$59.05	$39.37									
Total Manhours	48	35	89	45	14								231	
1.1 Project Management														
1.2 Project Team Meetings	7				2								9	$ 1,318
1.3 Quality Control and Quality Assurance (QC/QA)	6	8											14	$ 2,007
2.0 Research and Data Gathering														
2.1 Collect and Review Existing Information	2	4	6										12	$ 1,240
2.2 Conduct Field Review	2	2	2										6	$ 728
3.0 Preliminary Engineering														
3.1 Traffic Study (Technical Memorandum/Traffic Summary)														
3.2 Preliminary Utility Mapping														
3.3 Permits														
3.4 Surveying and Right-of-Way Mapping (by County)														
3.5 Preliminary Geotechnical Studies														
3.6 Right-of-Way Requirements Map														
3.7 Geometric Approval Drawings														
3.8 Structure Advance Planning Study														
3.9 Hydrologic, Hydraulic and Scour Studies	31	21	81	45	12								190	$ 16,676
3.10 Advisory and Mandatory Fact Sheets														
3.11 Engineer's Estimate														
4.0 Environmental Clearance & Documentation														
4.1 Project Initiation														
4.2 Preliminary Environmental Study (PES)														
4.3 Technical Studies														
4.3.1 Hazardous Waste (Initial Site Assessment)														
4.3.2 Preliminary Site Assessment (Step-2)														
4.3.3 Water Quality Assessment Studies														
4.3.4 Natural Environmental Study														
4.3.5 Wetland Delineation and Assessment														

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environment	Phase I
PROJECT:		**DATE:**
Replacement of Chuckwalla Valley Road Bridge over Sutro Ditch [Br. No. 56C0104, FPN BRLO-5956(226)]		March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
4.3.6 Section 4(f) Evaluation (Individual Finding)														
4.3.7 Visual Resources (Minor Visual Impact Assessment)														
4.3.8 Culture Resources Study (APE/ASR/HRER/HPSR)														
4.3.9A Finding of Effect (FoE) (Step-2)														
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)														
4.3.10 CEQA Notice of Exemption (NOE)														
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)														
4.5.1 Administrative Draft IS/EA														
4.5.2 Draft IS/EA for Public Review														
4.5.3 Public Review														
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)														
4.5.5 Final MND/FONSI														

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Acari Ditch [Br. No. 56C0108, FPN BRLO-5956(225)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager *	48	@	$71.94	$3,453.12
Ruel Ituralde	Project Engineer	35	@	$48.00	$1,680.00
Christopher Aguilar	Design Engineer	89	@	$28.00	$2,492.00
Genevieve Smith	Cadd Designer	45	@	$24.00	$1,080.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00

* Key Personnel

TOTAL HOURS 231 TOTAL DIRECT LABOR **$8,929.12**

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$66.97
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$3,598.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$7,376.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,997.13

TOTAL MULTIPLIERS **$13,039.33**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00

TOTAL ODC'S **$738.00**

TOTAL **$22,706.45**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF CHUCKWALLA VALLEY ROAD BRIDGE OVER ACARI DITCH
(BR. NO. 56C0108)

FPN: BRLO-5956(225)

Consultant: Aguilar Consulting, Inc. (ACI)
Contract No.:
Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	UNIT COST	ESTIMATED QUANTITY	TOTAL COST
8.5"X11" B/W	$0.05	500	$25.00
8.5"X11" COLOR	$0.25	100	$25.00
11"X17" COLOR	$0.30	20	$6.00
24"X36" B/W	$8.00	10	$80.00
30"X42" COLOR	$8.00	40	$320.00
3-RING BINDER	$5.00	15	$75.00
			$0.00
		SUBTOTAL COST	**$531.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	UNIT COST	ESTIMATED QUANTITY	TOTAL COST
Overnight Delivery	$25.00	4	$100.00
			$0.00
			$0.00
		SUBTOTAL COST	**$100.00**
Mileage & Travel			
DESCRIPTION OF ITEMS	UNIT COST	ESTIMATED QUANTITY	TOTAL COST
Mileage (2017 IRS Standard Rate)	$0.535	200	$107.00
			$0.00
		TOTAL BUDGET	**$107.00**
Miscellaneous			
DESCRIPTION OF ITEMS	UNIT COST	ESTIMATED QUANTITY	TOTAL COST
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
		TOTAL ODCs	**$738.00**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Acari Ditch [Br. No. 56C0108, FPN BRLO-5956(225)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Ceazar Aguilar	Project Manager	48	@	$71.94	$3,453.12
Ruel Ituralde	Project Engineer	35	@	$48.00	$1,680.00
Christopher Aguilar	Design Engineer	89	@	$28.00	$2,492.00
Genevieve Smith	Cadd Designer	45	@	$24.00	$1,080.00
Sally Beavan	Project Coordinator	14	@	$16.00	$224.00
	TOTAL HOURS	231		TOTAL DIRECT LABOR	$8,929.12

MULTIPLIERS

ESCALATION @	0.75%	(of Direct Labor)	$66.97
FRINGE BENEFIT @	40.00%	(of Direct Labor + Escalation)	$3,598.44
GENERAL AND ADMINISTRATIVE @	82.00%	(of Direct Labor + Escalation)	$7,376.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,997.13
		TOTAL MULTIPLIERS	$13,039.33

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Reproduction	1	LS	@	$531.00	$531.00
Mailing and Special Delivery	1	LS	@	$100.00	$100.00
Mileage and Travel	1	LS	@	$107.000	$107.00
				TOTAL ODC'S	$738.00

TOTAL $22,706.45

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Channel Hydraulics	All Phases
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Acari Ditch [Br. No. 56C0108, FPN BRLO-5956(225)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR	HOURS
	$177.00	$118.10	$68.89	$59.05	$39.37	
PHASE TOTALS	**48**	**35**	**89**	**45**	**14**	**231**
PHASE I	48	35	89	45	14	231
PHASE II						
PHASE III						
PHASE IV						

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Acari Ditch [Br. No. 56C0108, FPN BRLO-5956(225)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
	$177.00	$118.10	$68.89	$59.05	$39.37									
Total Manhours	48	35	89	45	14								231	
1.1 Project Management														
1.2 Project Team Meetings	7				2								9	$ 1,318
1.3 Quality Control and Quality Assurance (QC/QA)	6	8											14	$ 2,007
2.0 Research and Data Gathering														
2.1 Collect and Review Existing Information	2	4	6										12	$ 1,240
2.2 Conduct Field Review	2	2	2										6	$ 728
3.0 Preliminary Engineering														
3.1 Traffic Study (Technical Memorandum/Traffic Summary)														
3.2 Preliminary Utility Mapping														
3.3 Permits														
3.4 Surveying and Right-of-Way Mapping (by County)														
3.5 Preliminary Geotechnical Studies														
3.6 Right-of-Way Requirements Map														
3.7 Geometric Approval Drawings														
3.8 Structure Advance Planning Study														
3.9 Hydrologic, Hydraulic and Scour Studies	31	21	81	45	12								190	$ 16,676
3.10 Advisory and Mandatory Fact Sheets														
3.11 Engineer's Estimate														
4.0 Environmental Clearance & Documentation														
4.1 Project Initiation														
4.2 Preliminary Environmental Study (PES)														
4.3 Technical Studies														
4.3.1 Hazardous Waste (Initial Site Assessment)														
4.3.2 Preliminary Site Assessment (Step-2)														
4.3.3 Water Quality Assessment Studies														
4.3.4 Natural Environmental Study														
4.3.5 Wetland Delineation and Assessment														
4.3.6 Section 4(f) Evaluation (Individual Finding)														

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Aguilar Consulting, Inc. (ACI)	Preliminary Engineering & Environmental	Phase I
PROJECT: Replacement of Chuckwalla Valley Road Bridge over Acari Ditch [Br. No. 56C0108, FPN BRLO-5956(225)]		DATE: March 27, 2017

TASK	PROJECT MANAGER	PROJECT ENGINEER	DESIGN ENGINEER	CADD DESIGNER	PROJECT COORDINATOR								HOURS	COST
4.3.7 Visual Resources (Minor Visual Impact Assessment)														
4.3.8 Culture Resources Study (APE/ASR/HRER/HPSR)														
4.3.9A Finding of Effect (FoE) (Step-2)														
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)														
4.3.10 CEQA Notice of Exemption (NOE)														
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)														
4.5.1 Administrative Draft IS/EA														
4.5.2 Draft IS/EA for Public Review														
4.5.3 Public Review														
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)														
4.5.5 Final MND/FONSI														

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Geotechnical and ISA	All Phases

PROJECT: Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225)]

DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	48	@	$111.43	$5,348.64
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer	24	@	$86.67	$2,080.08
Curt Scheyhing, G.E.	Principal Geotechnical Engineer *	78	@	$63.76	$4,973.28
Jack Packwood, CIH	Associate (Environmental)	120	@	$50.87	$6,104.40
	Senior Project Manager			$48.90	
	Project Manager	222	@	$35.40	$7,858.80
	Staff Engineer	84	@	$28.36	$2,382.24
	Technician Geotechnical Laboratory	36	@	$23.00	$828.00
	Technician Hazardous Materials	90	@	$27.78	$2,500.20
	CADD	90	@	$32.56	$2,930.40
	Administrator	36	@	$25.28	$910.08

* Key Personnel

TOTAL HOURS **828** TOTAL DIRECT LABOR **$35,916.12**

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$725.51
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$26,821.67
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$39,609.60
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$10,307.29

TOTAL MULTIPLIERS **$77,464.06**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Mileage and Travel	1	LS	@	$1,605.00	$1,605.00
Miscellaneous (Drilling, Traffic Control, Drum Disposal, EDR, Permit, Chemical Testing)	1	LS	@	$38,700.00	$38,700.00

TOTAL ODC'S **$40,305.00**

TOTAL **$153,685.18**

EXHIBIT 10-H COST PROPOSAL

ACTUAL COST-PLUS-FIXED FEE OR LUMP SUM (FIRM FIXED PRICE) CONTRACTS

(CALCULATIONS FOR ANTICIPATED SALARY INCREASES)

Consultant: Group Delta Consultants, Inc. Contract No. _____ Date: 3/27/2017

1. Calculate Average Hourly Rate for 1st year of the contract (Direct Labor Subtotal divided by total hours)

Direct Labor Subtotal per Cost Proposal	Total Hours per Cost Proposal		Avg Hourly Rate	5 Year Contract Duration
$35,916	828	=	$43.38	Year 1 Avg Hourly Rate

2. Calculate hourly rate for all years (Increase the Average Hourly Rate for a year by proposed escalation %)

	Avg Hourly Rate		Proposed Escalation			
Year 1	$43.38	+	2.5%	=	$44.46	Year 2 Avg Hourly Rate
Year 2	$44.46	+	2.5%	=	$45.57	Year 3 Avg Hourly Rate
Year 3	$45.57	+	2.5%	=	$46.71	Year 4 Avg Hourly Rate
Year 4	$46.71	+	2.5%	=	$47.88	Year 5 Avg Hourly Rate

3. Calculate estimated hours per year (Multiply estimate % each year by total hours)

	Estimated % Completed Each Year		Total Hours per Cost Proposal		Total Hours per Year	
Year 1	50.00%	*	828.0	=	414.0	Estimated Hours Year 1
Year 2	20.00%	*	828.0	=	165.6	Estimated Hours Year 2
Year 3	30.00%	*	828.0	=	248.4	Estimated Hours Year 3
Year 4	0.00%	*	828.0	=	0.0	Estimated Hours Year 4
Year 5	0.00%	*	828.0	=	0.0	Estimated Hours Year 5
Total	100%		Total	=	828.0	

4. Calculate Total Costs including Escalation (Multiply Average Hourly Rate by the number of hours)

	Avg Hourly Rate (calculated above)		Estimated hours (calculated above)		Cost per Year	
Year 1	$43.38	*	414	=	$17,958.06	Estimated Hours Year 1
Year 2	$44.46	*	166	=	$7,362.80	Estimated Hours Year 2
Year 3	$45.57	*	248	=	$11,320.31	Estimated Hours Year 3
Year 4	$46.71	*	0	=	$0.00	Estimated Hours Year 4
Year 5	$47.88	*	0	=	$0.00	Estimated Hours Year 5
	Total Direct Labor Cost with Escalation			=	$36,641.18	
	Direct Labor Subtotal before Escalation			=	$35,916.12	
	Estimated total of Direct Labor Salary Increase		**(Dollar Amount)**	=	**$725.06**	Transfer to Cost Proposal
	Estimated total of Direct Labor Salary Increase		**(%)**		**2.02%**	Transfer to Cost Proposal

NOTES:

- This is not the only way to estimate salary increases. Other methods will be accepted if they clearly indicate the % increase, the # of years of the contract, and a breakdown of the labor to be performed each year.
- An estimation that is based on direct labor multiplied by salary increase % multiplied by the # of years is not acceptable. (i.e. $250,000 x 2% x 5 yrs = $25,000 is not an acceptable methodology)
- This assumes that one year will be worked at the rate on the cost proposal before salary increases are granted.

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF SIX CHUCKWALLA VALLEY ROAD AND RAILROAD AVENUE BRIDGES

FPN: BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225)

Consultant: Group Delta Consultants, Inc.

Contract No.:

Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	3000	$1,605.00
			$0.00
		TOTAL BUDGET	**$1,605.00**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Exploratory Drilling	$2,500.00	6	$15,000.00
Traffic Control	$1,500.00	6	$9,000.00
Drum Disposal	$500.00	6	$3,000.00
EDR Enviro Records Search	$350.00	6	$2,100.00
Permit Fees	$100.00	6	$600.00
Chemical Testing	$1,500.00	6	$9,000.00
		SUBTOTAL COST	**$38,700.00**
		TOTAL ODCs	**$40,305.00**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	**Preliminary Engineering & Environmental Documentation**	**Phase I**

PROJECT:	DATE:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225)]	**March 27, 2017**

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	24	@	$111.43	$2,674.32
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer	24	@	$86.67	$2,080.08
Curt Scheyhing, G.E.	Principal Geotechnical Engineer	48	@	$63.76	$3,060.48
Jack Packwood, CIH	Associate (Environmental)	120	@	$50.87	$6,104.40
	Senior Project Manager			$48.90	
	Project Manager	204	@	$35.40	$7,221.60
	Staff Engineer	60	@	$28.36	$1,701.60
	Technician Geotechnical Laboratory	36	@	$23.00	$828.00
	Technician Hazardous Materials	90	@	$27.78	$2,500.20
	CADD	60	@	$32.56	$1,953.60
	Administrator	30	@	$25.28	$758.40
	TOTAL HOURS	**696**		TOTAL DIRECT LABOR	**$28,882.68**

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$583.43
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$21,569.19
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$31,852.87
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$8,288.82
		TOTAL MULTIPLIERS	**$62,294.30**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Mileage and Travel	1	LS	@	$1,605.00	$1,605.00
Miscellaneous (Drilling, Traffic Control, Drum Disposal, EDR, Permit, Chemical Testing)	1	LS	@	$38,700.00	$38,700.00
				TOTAL ODC'S	**$40,305.00**

TOTAL **$131,481.98**

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Plans, Specifications & Estimate (PS&E)	Phase II

PROJECT:	DATE:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225)]	March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	24	@	$111.43	$2,674.32
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer			$86.67	
Curt Scheyhing, G.E.	Principal Geotechnical Engineer	30	@	$63.76	$1,912.80
Jack Packwood, CIH	Associate (Environmental)			$50.87	
	Senior Project Manager			$48.90	
	Project Manager	18	@	$35.40	$637.20
	Staff Engineer	24	@	$28.36	$680.64
	Technician Geotechnical Laboratory			$23.00	
	Technician Hazardous Materials			$27.78	
	CADD	30	@	$32.56	$976.80
	Administrator	6	@	$25.28	$151.68
	TOTAL HOURS	132		TOTAL DIRECT LABOR	$7,033.44

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$142.08
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$5,252.48
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$7,756.73
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$2,018.47
		TOTAL MULTIPLIERS	$15,169.76

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Mileage and Travel		LS		
Miscellaneous (Drilling, Traffic Control, Drum Disposal, EDR, Permit, Chemical Testing)		LS		
			TOTAL ODC'S	

TOTAL $22,203.20

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Geotechnical and ISA	All Phases

PROJECT:	DATE:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5	March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR	HOURS
	$351.76	$273.60	$201.28	$160.59	$154.37	$111.75	$89.53	$72.61	$87.70	$102.79	$79.80	
PHASE TOTALS	**48**	**24**	**78**	**120**		**222**	**84**	**36**	**90**	**90**	**36**	**828**
PHASE I	24	24	48	120		204	60	36	90	60	30	696
PHASE II	24		30			18	24			30	6	132
PHASE III												
PHASE IV												

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Preliminary Engineering & Environmental Documentation	Phase I

PROJECT:	DATE:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225)]	March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR				HOURS	COST
	$351.76	$273.60	$201.28	$160.59	$154.37	$111.75	$89.53	$72.61	$87.70	$102.79	$79.80					
Total Manhours	24	24	48	120		204	60	36	90	60	30				696	
1.1 Project Management																
1.2 Project Team Meetings																
1.3 Quality Control and Quality Assurance (QC/QA)																
2.0 Research and Data Gathering																
2.1 Collect and Review Existing Information																
2.2 Conduct Field Review																
3.0 Preliminary Engineering																
3.1 Traffic Study (Technical Memorandum/Traffic Summary)																
3.2 Preliminary Utility Mapping																
3.3 Permits																
3.4 Surveying and Right-of-Way Mapping (by County)																
3.5 Preliminary Geotechnical Studies	24		48			48	60	36		24	18				258	$ 35,356
3.6 Right-of-Way Requirements Map																
3.7 Geometric Approval Drawings																
3.8 Structure Advance Planning Study																
3.9 Hydrologic, Hydraulic and Scour Studies																
3.10 Advisory and Mandatory Fact Sheets																
3.11 Engineer's Estimate																
4.0 Environmental Clearance & Documentation																
4.1 Project Initiation																
4.2 Preliminary Environmental Study (PES)																
4.3 Technical Studies																
4.3.1 Hazardous Waste (Initial Site Assessment)		6		24		48			30	18	6				132	$ 15,820
4.3.2 Preliminary Site Assessment (Step-2)		18		96		108			60	18	6				306	$ 40,001
4.3.3 Water Quality Assessment Studies																
4.3.4 Natural Environmental Study																
4.3.5 Wetland Delineation and Assessment																
4.3.6 Section 4(f) Evaluation (Individual Finding)																
4.3.7 Visual Resources (Visual Impact Assessment)																
4.3.8 Culture Resources Study (APE/ASR/HRER/HPSR)																
4.3.9A Finding of Effect (FoE) (Step-2)																
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)																

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Preliminary Engineering & Environmental Documentation	Phase I

PROJECT:	DATE:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(225)]	March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR				HOURS	COST
4.3.10 CEQA Notice of Exemption (NOE)																
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)																
4.5.1 Administrative Draft IS/EA																
4.5.2 Draft IS/EA for Public Review																
4.5.3 Public Review																
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)																
4.5.5 Final MND/FONSI																

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Plans, Specifications & Estimate (PS&E)	Phase II

PROJECT:	DATE:
Replacement of Six Chuckwalla Valley Road and Railroad Avenue Bridges [BRLO-5956(228), BRLO-5956(229), BRLO-5956(239), BRLO-5956(227), BRLO-5956(226), BRLO-5956(22	March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR				HOURS	COST
	$351.76	$273.60	$201.28	$160.59	$154.37	$111.75	$89.53	$72.61	$87.70	$102.79	$79.80					
Total Manhours	24		30			18	24			30	6				132	
1.1 Project Management																
1.2 Project Team Meetings																
1.3 Quality Control and Quality Assurance (QC/QA)																
5.1 Foundation Design Report	24		30			18	24			30	6				132	$ 22,203
5.2 Storm Water Pollution Prevention Plan (SWPPP)																
5.3 Utility Relocation Coordination																
5.4 65% Roadway Plans																
5.5 65% Signing, Striping and Detour Plans																
5.6 95% Civil Roadway PS&E																
5.7 Bridge Type Selection																
5.8 65% Unchecked Structure Plans																
5.9 Bridge Design Independent Check																
5.10 95% Structure PS&E																
5.11 Final 100% Design PS&E and Contract Bid Documents																
5.12 Right-of-Way Legal Descriptions and Plats (by County)																
5.13 Right-of-Way Appraisal and Acquisition (by County)																
6.0 Permitting																
6.1 ACOE Section 404 Nationwide Permit																
6.2 RWQCB Section 401 Water Quality Certification																
6.3 CDFW Section 1602 Streambed Alteration Agreement																
6.4 Caltrans Encroachment Permit (Step 2)																

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Geotechnical and ISA	All Phases
PROJECT: Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	8	@	$111.43	$891.44
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer	4	@	$86.67	$346.68
Curt Scheyhing, G.E.	Principal Geotechnical Engineer *	13	@	$63.76	$828.88
Jack Packwood, CIH	Associate (Environmental)	20	@	$50.87	$1,017.40
	Senior Project Manager			$48.90	
	Project Manager	37	@	$35.40	$1,309.80
	Staff Engineer	14	@	$28.36	$397.04
	Technician Geotechnical Laboratory	6	@	$23.00	$138.00
	Technician Hazardous Materials	15	@	$27.78	$416.70
	CADD	15	@	$32.56	$488.40
	Administrator	6	@	$25.28	$151.68

* Key Personnel

TOTAL HOURS **138** TOTAL DIRECT LABOR **$5,986.02**

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$120.92
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$4,470.28
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$6,601.60
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,717.88

TOTAL MULTIPLIERS **$12,910.68**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Mileage and Travel	1	LS	@	$267.50	$267.50
Miscellaneous (Drilling, Traffic Control, Drum Disposal, EDR, Permit, Chemical Testing)	1	LS		$6,450.00	$6,450.00

TOTAL ODC'S **$6,717.50**

TOTAL **$25,614.20**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF RAILROAD AVENUE BRIDGE OVER FORANT WASH
(BR. NO. 56C0099)

FPN: BRLO-5956(228)

Consultant: Group Delta Consultants, Inc.

Contract No.:

Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**

Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**

Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	500	$267.50
			$0.00
		TOTAL BUDGET	**$267.50**

Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Exploratory Drilling	$2,500.00	1	$2,500.00
Traffic Control	$1,500.00	1	$1,500.00
Drum Disposal	$500.00	1	$500.00
EDR Enviro Records Search	$350.00	1	$350.00
Permit Fees	$100.00	1	$100.00
Chemical Testing	$1,500.00	1	$1,500.00
		SUBTOTAL COST	**$6,450.00**
		TOTAL ODCs	**$6,717.50**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT:		DATE:
Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]		March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	4	@	$111.43	$445.72
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer	4	@	$86.67	$346.68
Curt Scheyhing, G.E.	Principal Geotechnical Engineer	8	@	$63.76	$510.08
Jack Packwood, CIH	Associate (Environmental)	20	@	$50.87	$1,017.40
	Senior Project Manager			$48.90	
	Project Manager	34	@	$35.40	$1,203.60
	Staff Engineer	10	@	$28.36	$283.60
	Technician Geotechnical Laboratory	6	@	$23.00	$138.00
	Technician Hazardous Materials	15	@	$27.78	$416.70
	CADD	10	@	$32.56	$325.60
	Administrator	5	@	$25.28	$126.40
	TOTAL HOURS	116		TOTAL DIRECT LABOR	$4,813.78

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$97.24
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$3,594.87
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$5,308.81
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,381.47
		TOTAL MULTIPLIERS	$10,382.38

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Mileage and Travel	1	LS	@	$267.50	$267.50
Miscellaneous (Drilling, Traffic Control, Drum Disposal, EDR, Permit, Chemical Testing)	1	LS	@	$6,450.00	$6,450.00
				TOTAL ODC'S	$6,717.50

TOTAL $21,913.66

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	**Plans, Specifications & Estimate (PS&E)**	**Phase II**
PROJECT: **Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]**		DATE: **March 27, 2017**

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	4	@	$111.43	$445.72
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer			$86.67	
Curt Scheyhing, G.E.	Principal Geotechnical Engineer	5	@	$63.76	$318.80
Jack Packwood, CIH	Associate (Environmental)			$50.87	
	Senior Project Manager			$48.90	
	Project Manager	3	@	$35.40	$106.20
	Staff Engineer	4	@	$28.36	$113.44
	Technician Geotechnical Laboratory			$23.00	
	Technician Hazardous Materials			$27.78	
	CADD	5	@	$32.56	$162.80
	Administrator	1	@	$25.28	$25.28
	TOTAL HOURS	**22**		TOTAL DIRECT LABOR	**$1,172.24**

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$23.68
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$875.41
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$1,292.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$336.41
		TOTAL MULTIPLIERS	**$2,528.29**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Mileage and Travel		LS		
Miscellaneous (Drilling, Traffic Control, Drum Disposal, EDR, Permit, Chemical Testing)		LS		
			TOTAL ODC'S	

TOTAL **$3,700.53**

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Geotechnical and ISA	All Phases
PROJECT:		**DATE:**
Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]		March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR	HOURS
	$351.76	$273.60	$201.28	$160.59	$154.37	$111.75	$89.53	$72.61	$87.70	$102.79	$79.80	
PHASE TOTALS	**8**	**4**	**13**	**20**		**37**	**14**	**6**	**15**	**15**	**6**	**138**
PHASE I	4	4	8	20		34	10	6	15	10	5	116
PHASE II	4		5			3	4			5	1	22
PHASE III												
PHASE IV												

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT: Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]		DATE: March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR				HOURS	COST
	$351.76	$273.60	$201.28	$160.59	$154.37	$111.75	$89.53	$72.61	$87.70	$102.79	$79.80					
Total Manhours	4	4	8	20		34	10	6	15	10	5				116	
1.1 Project Management																
1.2 Project Team Meetings																
1.3 Quality Control and Quality Assurance (QC/QA)																
2.0 Research and Data Gathering																
2.1 Collect and Review Existing Information																
2.2 Conduct Field Review																
3.0 Preliminary Engineering																
3.1 Traffic Study (Technical Memorandum/Traffic Summary)																
3.2 Preliminary Utility Mapping																
3.3 Permits																
3.4 Surveying and Right-of-Way Mapping (by County)																
3.5 Preliminary Geotechnical Studies	4		8			8	10	6		4	3				43	$ 5,893
3.6 Right-of-Way Requirements Map																
3.7 Geometric Approval Drawings																
3.8 Structure Advance Planning Study																
3.9 Hydrologic, Hydraulic and Scour Studies																
3.10 Advisory and Mandatory Fact Sheets																
3.11 Engineer's Estimate																
4.0 Environmental Clearance & Documentation																
4.1 Project Initiation																
4.2 Preliminary Environmental Study (PES)																
4.3 Technical Studies																
4.3.1 Hazardous Waste (Initial Site Assessment)		1		4		8			5	3	1				22	$ 2,637
4.3.2 Preliminary Site Assessment (Step-2)		3		16		18			10	3	1				51	$ 6,667
4.3.3 Water Quality Assessment Studies																
4.3.4 Natural Environmental Study																
4.3.5 Wetland Delineation and Assessment																
4.3.6 Section 4(f) Evaluation (Individual Finding)																
4.3.7 Visual Resources (Visual Impact Assessment)																
4.3.8 Culture Resources Study (APE/ASR/HRER/HPSR)																
4.3.9A Finding of Effect (FoE) (Step-2)																

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Preliminary Engineering & Environmental Documentation	Phase I

PROJECT:	DATE:
Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]	March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR				HOURS	COST
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)																
4.3.10 CEQA Notice of Exemption (NOE)																
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)																
4.5.1 Administrative Draft IS/EA																
4.5.2 Draft IS/EA for Public Review																
4.5.3 Public Review																
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)																
4.5.5 Final MND/FONSI																

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Plans, Specifications & Estimate (PS&E)	Phase II
PROJECT: Replacement of Railroad Avenue Bridge over Fornat Wash [Br. No. 56C0099, FPN BRLO-5956(228)]		DATE: March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR				HOURS	COST
	$351.76	$273.60	$201.28	$160.59	$154.37	$111.75	$89.53	$72.61	$87.70	$102.79	$79.80					
Total Manhours	4		5			3	4			5	1				22	
1.1 Project Management																
1.2 Project Team Meetings																
1.3 Quality Control and Quality Assurance (QC/QA)																
5.1 Foundation Design Report	4		5			3	4			5	1				22	$ 3,701
5.2 Storm Water Pollution Prevention Plan (SWPPP)																
5.3 Utility Relocation Coordination																
5.4 65% Roadway Plans																
5.5 65% Signing, Striping and Detour Plans																
5.6 95% Civil Roadway PS&E																
5.7 Bridge Type Selection																
5.8 65% Unchecked Structure Plans																
5.9 Bridge Design Independent Check																
5.10 95% Structure PS&E																
5.11 Final 100% Design PS&E and Contract Bid Documents																
5.12 Right-of-Way Legal Descriptions and Plats (by County)																
5.13 Right-of-Way Appraisal and Acquisition (by County)																
6.0 Permitting																
6.1 ACOE Section 404 Nationwide Permit																
6.2 RWQCB Section 401 Water Quality Certification																
6.3 CDFW Section 1602 Streambed Alteration Agreement																
6.4 Caltrans Encroachment Permit (Step-2)																

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Geotechnical and ISA	All Phases
PROJECT: Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	8	@	$111.43	$891.44
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer	4	@	$86.67	$346.68
Curt Scheyhing, G.E.	Principal Geotechnical Engineer *	13	@	$63.76	$828.88
Jack Packwood, CIH	Associate (Environmental)	20	@	$50.87	$1,017.40
	Senior Project Manager			$48.90	
	Project Manager	37	@	$35.40	$1,309.80
	Staff Engineer	14	@	$28.36	$397.04
	Technician Geotechnical Laboratory	6	@	$23.00	$138.00
	Technician Hazardous Materials	15	@	$27.78	$416.70
	CADD	15	@	$32.56	$488.40
	Administrator	6	@	$25.28	$151.68

* Key Personnel

TOTAL HOURS **138** TOTAL DIRECT LABOR **$5,986.02**

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$120.92
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$4,470.28
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$6,601.60
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	$1,717.88
		TOTAL MULTIPLIERS	**$12,910.68**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Mileage and Travel	1	LS	@	$267.50	$267.50
Miscellaneous (Drilling, Traffic Control, Drum Disposal, EDR, Permit, Chemical Testing)	1	LS	@	$6,450.00	$6,450.00

TOTAL ODC'S **$6,717.50**

TOTAL **$25,614.20**

ESTIMATE OF OTHER DIRECT COST (ODC) ITEMS

REPLACEMENT OF RAILROAD AVENUE BRIDGE OVER EAST CHANNEL STUBBE WASH (BR. NO. 56C0101)

FPN: BRLO-5956(229)

Consultant: Group Delta Consultants, Inc.

Contract No.:

Date: 3/27/2017

Reproduction Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
Mailing and Special Delivery Cost Breakdown			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
			$0.00
			$0.00
			$0.00
		SUBTOTAL COST	**$0.00**
Mileage & Travel			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Mileage (2017 IRS Standard Rate)	$0.535	500	$267.50
			$0.00
		TOTAL BUDGET	**$267.50**
Miscellaneous			
DESCRIPTION OF ITEMS	**UNIT COST**	**ESTIMATED QUANTITY**	**TOTAL COST**
Exploratory Drilling	$2,500.00	1	$2,500.00
Traffic Control	$1,500.00	1	$1,500.00
Drum Disposal	$500.00	1	$500.00
EDR Enviro Records Search	$350.00	1	$350.00
Permit Fees	$100.00	1	$100.00
Chemical Testing	$1,500.00	1	$1,500.00
		SUBTOTAL COST	**$6,450.00**
		TOTAL ODCs	**$6,717.50**

NOTES:
1. ODC items should be based on actual costs and supported by historical data and other documentation.
2. ODC items that would be considered "tools of the trade" are not reimbursable.
3. ODC items should be consistently billed directly to all clients, not just when client will pay for them as a direct cost.
4. ODC items when incurred for the same purpose, in like circumstance, should not be included in any indirect cost pool or in overhead rate.

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT: Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	4	@	$111.43	$445.72
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer	4	@	$86.67	$346.68
Curt Scheyhing, G.E.	Principal Geotechnical Engineer	8	@	$63.76	$510.08
Jack Packwood, CIH	Associate (Environmental)	20	@	$50.87	$1,017.40
	Senior Project Manager			$48.90	
	Project Manager	34	@	$35.40	$1,203.60
	Staff Engineer	10	@	$28.36	$283.60
	Technician Geotechnical Laboratory	6	@	$23.00	$138.00
	Technician Hazardous Materials	15	@	$27.78	$416.70
	CADD	10	@	$32.56	$325.60
	Administrator	5	@	$25.28	$126.40
	TOTAL HOURS	116		TOTAL DIRECT LABOR	$4,813.78

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$97.24
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$3,594.87
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$5,308.81
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	$1,381.47
		TOTAL MULTIPLIERS	$10,382.38

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Mileage and Travel	1	LS	@	$267.50	$267.50
Miscellaneous (Drilling, Traffic Control, Drum Disposal, EDR, Permit, Chemical Testing)	1	LS	@	$6,450.00	$6,450.00
				TOTAL ODC'S	$6,717.50

TOTAL $21,913.66

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Plans, Specifications & Estimate (PS&E)	Phase II

PROJECT:	DATE:
Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]	March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	4	@	$111.43	$445.72
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer			$86.67	
Curt Scheyhing, G.E.	Principal Geotechnical Engineer	5	@	$63.76	$318.80
Jack Packwood, CIH	Associate (Environmental)			$50.87	
	Senior Project Manager			$48.90	
	Project Manager	3	@	$35.40	$106.20
	Staff Engineer	4	@	$28.36	$113.44
	Technician Geotechnical Laboratory			$23.00	
	Technician Hazardous Materials			$27.78	
	CADD	5	@	$32.56	$162.80
	Administrator	1	@	$25.28	$25.28
	TOTAL HOURS	22		TOTAL DIRECT LABOR	$1,172.24

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$23.68
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$875.41
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$1,292.79
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead + Payroll Additives)	$336.41
		TOTAL MULTIPLIERS	$2,528.29

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT	UNIT COST	AMOUNT
Mileage and Travel		LS		
Miscellaneous (Drilling, Traffic Control, Drum Disposal, EDR, Permit, Chemical Testing)		LS		

TOTAL ODC'S

TOTAL $3,700.53

SUBCONSULTANT MANHOUR WORKSHEET SUMMARY

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Geotechnical and ISA	All Phases
PROJECT:		**DATE:**
Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]		March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR	HOURS
	$351.76	$273.60	$201.28	$160.59	$154.37	$111.75	$89.53	$72.61	$87.70	$102.79	$79.80	
PHASE TOTALS	**8**	**4**	**13**	**20**		**37**	**14**	**6**	**15**	**15**	**6**	**138**
PHASE I	4	4	8	20		34	10	6	15	10	5	116
PHASE II	4		5			3	4			5	1	22
PHASE III												
PHASE IV												

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Preliminary Engineering & Environmental Documentation	Phase I
PROJECT:		DATE:
Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]		March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR				HOURS	COST
	$351.76	$273.60	$201.28	$160.59	$154.37	$111.75	$89.53	$72.61	$87.70	$102.79	$79.80					
Total Manhours	4	4	8	20		34	10	6	15	10	5				116	
1.1 Project Management																
1.2 Project Team Meetings																
1.3 Quality Control and Quality Assurance (QC/QA)																
2.0 Research and Data Gathering																
2.1 Collect and Review Existing Information																
2.2 Conduct Field Review																
3.0 Preliminary Engineering																
3.1 Traffic Study (Technical Memorandum/Traffic Summary)																
3.2 Preliminary Utility Mapping																
3.3 Permits																
3.4 Surveying and Right-of-Way Mapping (by County)																
3.5 Preliminary Geotechnical Studies	4		8			8	10	6		4	3				43	$ 5,893
3.6 Right-of-Way Requirements Map																
3.7 Geometric Approval Drawings																
3.8 Structure Advance Planning Study																
3.9 Hydrologic, Hydraulic and Scour Studies																
3.10 Advisory and Mandatory Fact Sheets																
3.11 Engineer's Estimate																
4.0 Environmental Clearance & Documentation																
4.1 Project Initiation																
4.2 Preliminary Environmental Study (PES)																
4.3 Technical Studies																
4.3.1 Hazardous Waste (Initial Site Assessment)		1		4		8			5	3	1				22	$ 2,637
4.3.2 Preliminary Site Assessment (Step-2)		3		16		18			10	3	1				51	$ 6,667
4.3.3 Water Quality Assessment Studies																
4.3.4 Natural Environmental Study																
4.3.5 Wetland Delineation and Assessment																
4.3.6 Section 4(f) Evaluation (Individual Finding)																
4.3.7 Visual Resources (Visual Impact Assessment)																
4.3.8 Culture Resources Study (APE/ASR/HRER/HPSR)																
4.3.9A Finding of Effect (FoE) (Step-2)																

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Preliminary Engineering & Environmental Documentation	Phase I

PROJECT:	DATE:
Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]	March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR				HOURS	COST
4.3.9B Section 106 Memorandum of Agreement (MOA) (Step-2)																
4.3.10 CEQA Notice of Exemption (NOE)																
4.5 CEQA/NEPA Initial Study/Environmental Assessment (IS/EA) (Step-2)																
4.5.1 Administrative Draft IS/EA																
4.5.2 Draft IS/EA for Public Review																
4.5.3 Public Review																
4.5.4 Draft Mitigated Negative Declaration/Finding of No Significant Impact (MND/FONSI)																
4.5.5 Final MND/FONSI																

SUBCONSULTANT MANHOUR WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Plans, Specifications & Estimate (PS&E)	Phase II
PROJECT: Replacement of Railroad Avenue Bridge over East Channel Stubbe Wash [Br. No. 56C0101, FPN BRLO-5956(229)]		DATE: March 27, 2017

TASK	PRINCIPAL GEOTECHNICAL ENGINEER	PRINCIPAL ENVIRONMENTAL ENGINEER	PRINCIPAL GEOTECHNICAL ENGINEER	ASSOCIATE (ENVIRONMENTAL)	SENIOR PROJECT MANAGER	PROJECT MANAGER	STAFF ENGINEER	TECHNICIAN GEOTECHNICAL LABORATORY	TECHNICIAN HAZARDOUS MATERIALS	CADD	ADMINISTRATOR				HOURS	COST
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Total Manhours	4		5			3	4			5	1				22	
1.1 Project Management																
1.2 Project Team Meetings																
1.3 Quality Control and Quality Assurance (QC/QA)																
5.1 Foundation Design Report	4		5			3	4			5	1				22	$ 3,701
5.2 Storm Water Pollution Prevention Plan (SWPPP)																
5.3 Utility Relocation Coordination																
5.4 65% Roadway Plans																
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5.13 Right-of-Way Appraisal and Acquisition (by County)																
6.0 Permitting																
6.1 ACOE Section 404 Nationwide Permit																
6.2 RWQCB Section 401 Water Quality Certification																
6.3 CDFW Section 1602 Streambed Alteration Agreement																
6.4 Caltrans Encroachment Permit (Step-2)																

SUBCONSULTANT FEE PROPOSAL WORKSHEET

COMPANY:	SCOPE OF WORK:	PHASE:
Group Delta Consultants	Geotechnical and ISA	All Phases
PROJECT: Replacement of Chuckwalla Valley Road over Aztec Ditch [Br. No. 56C0102, FPN BRLO-5956(239)]		DATE: March 27, 2017

DIRECT LABOR

PERSONNEL	POSITION	HOURS		RATE	AMOUNT
Shah Ghanbari, P.E.	Principal Geotechnical Engineer	8	@	$111.43	$891.44
Glenn Burks, Ph.D., P.E.	Principal Environmental Engineer	4	@	$86.67	$346.68
Curt Scheyhing, G.E.	Principal Geotechnical Engineer *	13	@	$63.76	$828.88
Jack Packwood, CIH	Associate (Environmental)	20	@	$50.87	$1,017.40
	Senior Project Manager			$48.90	
	Project Manager	37	@	$35.40	$1,309.80
	Staff Engineer	14	@	$28.36	$397.04
	Technician Geotechnical Laboratory	6	@	$23.00	$138.00
	Technician Hazardous Materials	15	@	$27.78	$416.70
	CADD	15	@	$32.56	$488.40
	Administrator	6	@	$25.28	$151.68

* Key Personnel

TOTAL HOURS **138** TOTAL DIRECT LABOR **$5,986.02**

MULTIPLIERS

ESCALATION @	2.02%	(of Direct Labor)	$120.92
FRINGE BENEFIT @	73.20%	(of Direct Labor + Escalation)	$4,470.28
GENERAL AND ADMINISTRATIVE @	108.10%	(of Direct Labor + Escalation)	$6,601.60
PROFIT (FIXED FEE) @	10.0%	(of Direct Labor + Escalation + Overhead)	$1,717.88

TOTAL MULTIPLIERS **$12,910.68**

OTHER DIRECT COSTS

••• Billed at Actual Cost (See ODC Cost Estimate Work Sheet) •••

ITEM	QUANTITY	UNIT		UNIT COST	AMOUNT
Mileage and Travel	1	LS	@	$267.50	$267.50
Miscellaneous (Drilling, Traffic Control, Drum Dispos	1	LS	@	$6,450.00	$6,450.00

TOTAL ODC'S **$6,717.50**

TOTAL **$25,614.20**