

SCHEDULE 2A
ENGINEERING COST SUMMARY

SCHEDULE 2A (1)					
ENGINEERING COST SUMMARY					
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: 650725-100028 CT NO.:	3. VERSION: 10/19/2021		
4.	NAME OF CONSULTANT: Burgess & Niple, Inc.	5. PROJECT TITLE:	West Side Trunk Rehabilitation - Phase 2		
6.	ADDRESS: 5085 Reed Road Columbus, Ohio 43220	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER			
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	PR - Principal	16	\$111.14	\$1,778.19	
	PM - Project Manager	536	\$79.55	\$42,639.00	
	SPE - Senior Project Engineer	60	\$99.44	\$5,966.28	
	PE - Project Engineer	936	\$67.85	\$63,509.28	
	DE - Design Engineer	0	\$40.95	\$0.00	
	ET - Eng. Technician	552	\$46.79	\$25,830.48	
	DR - Drafter	104	\$46.79	\$4,866.61	
	CL - Clerical	24	\$35.10	\$842.30	
	RS - Registered Surveyor	0	\$51.47	\$0.00	
FP - Field Person	0	\$44.45	\$0.00		
	Total	2228			
DIRECT LABOR TOTAL:					\$145,432.14
9.	INDIRECT LABOR:	Overhead & Administrative		Indirect Cost & Profit Multiplier	EXTENDED TOTALS
		(a)	Profit (b)	(a + b) + (a * b)	
		1.88	0.11	2.20	
INDIRECT LABOR + PROFIT TOTAL:					\$319,485.32
TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or					
10.	1 + Indirect Cost & Profit Multiplier):				\$464,917.45
11.	OTHER DIRECT COSTS:			EST. COST	
	a. TRAVEL				
	MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile			\$1,200.00	
	AIRFARE:			\$0.00	
	a. TRAVEL SUBTOTAL:			\$1,200.00	
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)			EST. COST	
	See Schedule 2A-2			\$1,090.50	
				\$0.00	
				\$0.00	
	b. EMS SUBTOTAL:			\$1,090.50	
	c. SUBCONTRACTS			EST. COST	
	Sub #1 CDM Smith			\$226,994.30	
	Sub #2 CCI			\$53,523.31	
	Sub #3 RII			\$67,033.70	
	Sub #4 (provide separate Cost Summary)			\$0.00	
	c. SUB SUBTOTAL:			\$347,551.31	
	d. OTHER (Specify categories)			EST. COST	
				\$0.00	
				\$0.00	
	d. OTHER SUBTOTAL:			\$0.00	
e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):					\$349,841.81
12.	TOTAL COST (item 10 + 11)				\$814,759.27
13.	If Authorized: Task A6 Easements - B&N				\$5,190.85
14.	If Authorized; Task A6 Easements - RII				\$25,295.07
15.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
16.	CONTINGENCY (10%)				\$84,524.52
17.	MAXIMUM FEE (items 12 through 16)				\$929,769.70

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ENGINEERING COST SUMMARY

SCHEDULE 2A (1)					
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1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: 650725-100028 CT NO.:	3. VERSION: 10/19/2021		
4.	NAME OF CONSULTANT: Burgess & Niple, Inc.	5. PROJECT TITLE:	West Side Trunk Rehabilitation - Phase 2		
6.	ADDRESS: 5085 Reed Road Columbus, Ohio 43220	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER			
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	PR - Principal	4	\$111.14	\$444.55	
	PM - Project Manager	8	\$79.55	\$636.40	
	SPE - Senior Project Engineer	0	\$99.44	\$0.00	
	PE - Project Engineer	8	\$67.85	\$542.81	
	DE - Design Engineer	0	\$40.95	\$0.00	
	ET - Eng. Technician	0	\$46.79	\$0.00	
	DR - Drafter	0	\$46.79	\$0.00	
	CL - Clerical	0	\$35.10	\$0.00	
	RS - Registered Surveyor	0	\$51.47	\$0.00	
FP - Field Person	0	\$44.45	\$0.00		
	Total				
DIRECT LABOR TOTAL:					\$1,623.76
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)	EXTENDED TOTALS
		1.88	0.11	2.20	
		INDIRECT LABOR + PROFIT TOTAL:			
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):				\$5,190.85
11.	OTHER DIRECT COSTS:			EST. COST	
	a. TRAVEL MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile AIRFARE:				
	a. TRAVEL SUBTOTAL:			\$0.00	
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)			EST. COST	
	b. EMS SUBTOTAL:			\$0.00	
	c. SUBCONTRACTS			EST. COST	
	c. SUB SUBTOTAL:			\$0.00	
	d. OTHER (Specify categories)			EST. COST	
				\$0.00	
				\$0.00	
	d. OTHER SUBTOTAL:			\$0.00	
	e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):				\$0.00
12.	TOTAL COST (item 10 + 11)				\$5,190.85
13.					
14.					
15.					
16.	CONTINGENCY (10%)				
17.	MAXIMUM FEE (items 12 through 16)				\$5,190.85

SCHEDULE 2A
ENGINEERING COST SUMMARY

SCHEDULE 2A (1) ENGINEERING COST SUMMARY				
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: 650725-100028 CT NO.:	3. VERSION: 10/19/2021	
4.	NAME OF CONSULTANT: CAD Concepts Inc	5. PROJECT TITLE:	West Side Trunk Rehabilitation - Phase 2	
6.	ADDRESS: 2323 W Fifth Ave, Ste 220 Columbus, Ohio 43204	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER		
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	EXTENDED TOTAL
	Project Manager	12	\$46.12	\$553.49
	Drafter	452	\$37.40	\$16,905.25
	Clerical	12	\$30.38	\$364.54
	DIRECT LABOR TOTAL:			\$17,823.28
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)
		1.73	0.10	2.00
	INDIRECT LABOR + PROFIT TOTAL:			\$35,700.03
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):			\$53,523.31
11.	OTHER DIRECT COSTS:		EST. COST	
	a. TRAVEL			
	MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile			\$0.00
	AIRFARE:			\$0.00
	a. TRAVEL SUBTOTAL:			\$0.00
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)		EST. COST	
	(List itemized breakdown below or on Schedule 2A-2 Expenses)			\$0.00
				\$0.00
	b. EMS SUBTOTAL:			\$0.00
	c. SUBCONTRACTS		EST. COST	
				\$0.00
				\$0.00
	c. SUB SUBTOTAL:			\$0.00
	d. OTHER (Specify categories)		EST. COST	
				\$0.00
				\$0.00
	d. OTHER SUBTOTAL:			\$0.00
	e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):			\$0.00
12.	TOTAL COST (item 10 + 11)			\$53,523.31
13.	(If Authorized; Name of sub & amount if not performed by prime.)			\$0.00
14.	(If Authorized; Name of sub & amount if not performed by prime.)			\$0.00
15.	(If Authorized; Name of sub & amount if not performed by prime.)			\$0.00
16.	CONTINGENCY (____%)			\$0.00
17.	MAXIMUM FEE (items 12 through 16)			\$53,523.31

SCHEDULE 2A
ENGINEERING COST SUMMARY

SCHEDULE 2A (1) ENGINEERING COST SUMMARY					
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: 650725-100028 CT NO.:	3. VERSION: 10/19/2021		
4.	NAME OF CONSULTANT: CDM Smith	5. PROJECT TITLE:	West Side Trunk Rehabilitation - Phase 2		
6.	ADDRESS: 445 Hutchinson Avenue, Suite 820 Columbus, Ohio 43232	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER			
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	Principal	4	\$122.50	\$490.00	
	Project Manager	0	\$99.00	\$0.00	
	Senior Project Engineer	144	\$134.50	\$19,368.00	
	Project Engineer	344	\$81.50	\$28,036.00	
	Design Engineer	0	\$59.00	\$0.00	
	Eng. Technician	328	\$71.00	\$23,288.00	
	Drafter	0	\$50.00	\$0.00	
	Clerical	24	\$55.50	\$1,332.00	
	Total	844			
DIRECT LABOR TOTAL:					\$72,514.00
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)	EXTENDED TOTALS
		1.91	0.07	2.10	
INDIRECT LABOR + PROFIT TOTAL:					
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):				\$224,844.30
11.	OTHER DIRECT COSTS:			EST. COST	
	a. TRAVEL				
	MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile			\$850.00	
	AIRFARE / Hotel:			\$1,300.00	
	a. TRAVEL SUBTOTAL:			\$2,150.00	
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)			EST. COST	
				\$0.00	
				\$0.00	
				\$0.00	
	b. EMS SUBTOTAL:			\$0.00	
	c. SUBCONTRACTS			EST. COST	
				\$0.00	
				\$0.00	
				\$0.00	
	c. SUB SUBTOTAL:			\$0.00	
	d. OTHER (Specify categories)			EST. COST	
				\$0.00	
				\$0.00	
	d. OTHER SUBTOTAL:			\$0.00	
e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):					\$2,150.00
12.	TOTAL COST (item 10 + 11)				\$226,994.30
13.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
14.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
15.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
16.	CONTINGENCY (____ %)				\$0.00
17.	MAXIMUM FEE (items 12 through 16)				\$226,994.30

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ENGINEERING COST SUMMARY

SCHEDULE 2A (1)					
ENGINEERING COST SUMMARY					
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: 650725-100028 CT NO.:	3. VERSION: 10/19/2021		
4.	NAME OF CONSULTANT: Resource International, Inc.	5. PROJECT TITLE:	West Side Trunk Rehabilitation - Phase 2		
6.	ADDRESS: 6350 Preseidential Gateway Columbus, Ohio 43231	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER			
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	Principal	6	\$103.48	\$620.88	
	Project Manager	0	\$85.34	\$0.00	
	Senior Project Engineer	0	\$70.56	\$0.00	
	Project Engineer	0	\$53.76	\$0.00	
	Engineering Technician	0	\$40.31	\$0.00	
	Drafter	80	\$41.08	\$3,286.24	
	Clerical	24	\$28.89	\$693.32	
	Registered Surveyor	74	\$57.11	\$4,226.01	
	Survey Technician	0	\$41.08	\$0.00	
	Field Person	348	\$41.08	\$14,294.59	
	Total	532			
DIRECT LABOR TOTAL:					\$23,121.04
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)	EXTENDED TOTALS
		1.55	0.12	1.86	
INDIRECT LABOR + PROFIT TOTAL:					\$42,912.65
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):				\$66,033.70
11.	OTHER DIRECT COSTS:	EST. COST			
	a. TRAVEL				
	MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile	\$1,000.00			
	AIRFARE:	\$0.00			
	a. TRAVEL SUBTOTAL:	\$1,000.00			
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)	EST. COST			
	(List itemized breakdown below or on Schedule 2A-2 Expenses)	\$0.00			
		\$0.00			
		\$0.00			
	b. EMS SUBTOTAL:	\$0.00			
	c. SUBCONTRACTS	EST. COST			
	Sub #1 (provide separate Cost Summary)	\$0.00			
	Sub #2 (provide separate Cost Summary)	\$0.00			
	Sub #3 (provide separate Cost Summary)	\$0.00			
	Sub #4 (provide separate Cost Summary)	\$0.00			
	c. SUB SUBTOTAL:	\$0.00			
	d. OTHER (Specify categories)	EST. COST			
		\$0.00			
		\$0.00			
	d. OTHER SUBTOTAL:	\$0.00			
e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):					\$1,000.00
12.	TOTAL COST (item 10 + 11)				\$67,033.70
13.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
14.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
15.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
16.	CONTINGENCY (____%)				\$0.00
17.	MAXIMUM FEE (items 12 through 16)				\$67,033.70

SCHEDULE 2A
ENGINEERING COST SUMMARY

SCHEDULE 2A (1) ENGINEERING COST SUMMARY					
1.	CITY COLUMBUS, OHIO DEPT. OF PUBLIC UTILITIES	2. CIP NO.: 650725-100028 CT NO.:	3. VERSION: 10/19/2021		
4.	NAME OF CONSULTANT: Resource International, Inc.	5. PROJECT TITLE:	West Side Trunk Rehabilitation - Phase 2		
6.	ADDRESS: 6350 Preseidential Gateway Columbus, Ohio 43231	7. TYPE OF CONTRACT: DIRECT HOURLY W/MULTIPLIER			
8.	DIRECT LABOR:	EST. HRS.	HOURLY RATE	SUBTOTAL	EXTENDED TOTAL
	Principal	0	\$103.48	\$0.00	
	Project Manager	0	\$85.34	\$0.00	
	Senior Project Engineer	0	\$70.56	\$0.00	
	Project Engineer	0	\$53.76	\$0.00	
	Engineering Technician	0	\$40.31	\$0.00	
	Drafter	160	\$41.08	\$6,572.49	
	Clerical	0	\$28.89	\$0.00	
	Registered Surveyor	40	\$57.11	\$2,284.33	
	Survey Technician	0	\$41.08	\$0.00	
	Field Person	0	\$41.08	\$0.00	
	Total	200			
	DIRECT LABOR TOTAL:				\$8,856.82
9.	INDIRECT LABOR:	Overhead & Administrative (a)	Profit (b)	Indirect Cost & Profit Multiplier (a + b) + (a * b)	EXTENDED TOTALS
		1.55	0.12	1.86	
	INDIRECT LABOR + PROFIT TOTAL:				\$16,438.25
10.	TOTAL LABOR + PROFIT COSTS (item 8 + item 9) (or 1 + Indirect Cost & Profit Multiplier):				\$25,295.07
11.	OTHER DIRECT COSTS:	EST. COST			
	a. TRAVEL				
	MILEAGE: # miles x \$ (IRS rate @ date of travel) / mile	\$0.00			
	AIRFARE:	\$0.00			
	a. TRAVEL SUBTOTAL:	\$0.00			
	b. EQUIPMENT, MATERIALS, SUPPLIES (EMS)	EST. COST			
	(List itemized breakdown below or on Schedule 2A-2 Expenses)	\$0.00			
		\$0.00			
	b. EMS SUBTOTAL:	\$0.00			
	c. SUBCONTRACTS	EST. COST			
	Sub #1 (provide separate Cost Summary)	\$0.00			
	Sub #2 (provide separate Cost Summary)	\$0.00			
	Sub #3 (provide separate Cost Summary)	\$0.00			
	Sub #4 (provide separate Cost Summary)	\$0.00			
	c. SUB SUBTOTAL:	\$0.00			
	d. OTHER (Specify categories)	EST. COST			
		\$0.00			
		\$0.00			
	d. OTHER SUBTOTAL:	\$0.00			
	e. TOTAL OTHER DIRECT COSTS TOTAL (items a through d):				\$0.00
12.	TOTAL COST (item 10 + 11)				\$25,295.07
13.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
14.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
15.	(If Authorized; Name of sub & amount if not performed by prime.)				\$0.00
16.	CONTINGENCY (____ %)				\$0.00
17.	MAXIMUM FEE (items 12 through 16)				\$25,295.07

**SCHEDULE 2B
MAXIMUM LABOR RATES**

2022 - 2024

PROJECT NAME: West Side Trunk Rehabilitation - Phase 2

CIP NO. 650725-100028 , CONTRACT No. XXXX

	Position Description	Hourly Rate 2022	Hourly Rate 2023	Hourly Rate 2024
PRIME	Principal (PR)	\$106.86	\$111.14	\$115.58
	Project Manager (PM)	\$76.49	\$79.55	\$82.73
	Senior Project Engineer (SPE)	\$95.61	\$99.44	\$103.42
	Project Engineer (PE)	\$65.24	\$67.85	\$70.57
	Design Engineer (DE)	\$39.37	\$40.95	\$42.58
	Engineering Technician (ET)	\$44.99	\$46.79	\$48.67
	Drafter (DR)	\$44.99	\$46.79	\$48.67
	Clerical (CL)	\$33.75	\$35.10	\$36.50
	Registered Surveyor (RS)	\$49.49	\$51.47	\$53.53
	1-Man Field Crews (FP)	\$42.74	\$44.45	\$46.23
Sub 1	Principal	\$117.50	\$122.50	\$127.50
CDM Smith	Project Manager	\$95.00	\$99.00	\$103.00
	Senior Project Engineer	\$129.00	\$134.50	\$140.00
	Project Engineer	\$78.00	\$81.50	\$85.00
	Design Engineer	\$56.50	\$59.00	\$61.50
	Eng. Technician	\$68.00	\$71.00	\$74.00
	Drafter	\$48.00	\$50.00	\$52.00
	Clerical	\$53.00	\$55.50	\$58.00
Sub 2	Project Manager	\$44.35	\$46.12	\$47.97
CCI	Drafter	\$35.62	\$37.40	\$39.27
	Clerical	\$29.21	\$30.38	\$31.59
Sub 3	Principal	\$ 100.47	\$ 103.48	\$ 106.58
RII	Project Manager	\$ 82.85	\$ 85.34	\$ 87.90
	Senior Project Engineer	\$ 68.51	\$ 70.56	\$ 72.68
	Project Engineer	\$ 52.19	\$ 53.76	\$ 55.37
	Engineering Technician	\$ 39.14	\$ 40.31	\$ 41.52
	Drafter	\$ 39.88	\$ 41.08	\$ 42.31
	Clerical	\$ 28.05	\$ 28.89	\$ 29.75
	Registered Surveyor	\$ 55.44	\$ 57.11	\$ 58.82
	Survey Technician	\$ 39.88	\$ 41.08	\$ 42.31
	Field Person	\$ 39.88	\$ 41.08	\$ 42.31

**SCHEDULE 2A-2
EXPENSES**

Task	Description							Cost
	B&N Mileage							\$1,200.00
	CDM Smith Mileage							\$850.00
	CDM Smith Hotel							\$300.00
	CDM Smith Airfare							\$1,000.00
	CAD Concepts Inc. Mileage							\$0.00
	RII Mileage							\$1,000.00
	ODC 11a. Mileage Subtotal							\$4,350.00
A6	Draft PDR	Sets:	4	Pages:	125	Rate:	\$ 0.25	\$31.25
A6	Final PDR	Sets:	4	Pages:	125	Rate:	\$ 0.25	\$31.25
A6	Binders	Ea:	8			Rate:	\$ 16.00	\$128.00
A7	Community Interaction Exhibits	Ea:	4	Pages:	4	Rate:	\$ 25.00	\$100.00
A7	Mailings	Ea:	1	Pages:	1000	Rate:	\$ 0.25	\$250.00
A7	Mailings - Postage	Ea:	1	Postage:	1000	Rate:	\$ 0.55	\$550.00
	Subtotal Expenses 11.b							\$1,090.50

APPENDIX B LABOR HOURS

TASK NO.	B&N Team Total ACTIVITY	LABOR HOURS											TOTAL
		PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP		
1	Review Existing Info	0	8	0	48	0	64	0	0	8	24		152
2	Field Investigations	0	16	0	80	0	80	0	0	24	24		224
3	Hydraulic Analysis	0	8	40	8	0	8	0	0	0	0		64
4	Detailed Design Memo (Draft & Final)	0	40	64	120	0	120	120	24	0	0		488
5	Field Survey	0	8	0	24	0	0	80	0	30	300		442
6	Easements - If Authorized	4	8	0	8	0	0	160	0	40	0		220
7	Drawings & Specs	4	120	40	320	0	400	320	0	0	0		1204
8	SWPPP & NOI	0	8	16	40	0	0	0	0	0	0		64
9	Permits & Evaluations	0	16	20	80	0	80	0	0	0	0		196
10	Bid Docs	4	40	24	80	0	0	0	0	0	0		148
11	Bidding/ Construction Procurement	4	24	0	104	0	64	0	0	0	0		196
12	Progress Meeting, Reports, Schedules, Invoices	14	132	0	144	0	0	12	60	12	0		374
13	Community Interaction Program Services	0	24	0	48	0	0	24	0	0	0		96
14	Engineering Services During Construction	0	80	0	144	0	64	0	0	0	0		288
15	Record Plans	0	24	0	40	0	0	80	0	0	0		144
	Total Hours												
	Total Hours	30	556	204	1288	0	880	796	84	114	348	0	4300

*If Authorized

PR - Principal

PM - Project Manager

SPE - Senior Project Engineer

PE - Project Engineer

DE - Design Engineer

ET - Eng. Technician

DR - Drafter

CL - Clerical

RS - Registered Surveyor

FP - Field Person

Note: Include all hours for entire project team on this form. Only one form should be provided. Do not provide a separate form for subconsultants.

APPENDIX B LABOR HOURS

TASK NO.	Burgess & Niple, Inc. ACTIVITY	LABOR HOURS											
		PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP	TOTAL	
1	Review Existing Info		8		24		24						56
2	Field Investigations		16		40		40						96
3	Hydraulic Analysis		8		8		8						24
4	Detailed Design Memo (Draft & Final)		40	24	80		80		24				248
5	Field Survey		8		24								32
6	Easements - If Authorized	4	8		8								20
7	Drawings & Specs	4	120		160		240						524
8	SWPPP & NOI		8	16	40								64
9	Permits & Evaluations		16	20	80		80						196
10	Bid Docs	4	40		80								124
11	Bidding/ Construction Procurement	4	24		80		40						148
12	Progress Meeting, Reports, Schedules, Invoices	4	120		120								244
13	Community Interaction Program Services		24		40			24					88
14	Engineering Services During Construction		80		120		40						240
15	Record Plans		24		40			80					144
	Total Excluding If Authorized Hours	16	536	60	936	0	552	104	24	0	0	0	2228
	Total Hours	20	544	60	944	0	552	104	24	0	0	0	2248

*If Authorized

PR - Principal

PM - Project Manager

SPE - Senior Project Engineer

PE - Project Engineer

DE - Design Engineer

ET - Eng. Technician

DR - Drafter

CL - Clerical

RS - Registered Surveyor

FP - Field Person

Note: Include all hours for entire project team on this form. Only one form should be provided. Do not provide a separate form for subconsultants.

APPENDIX B LABOR HOURS

TASK NO.	CDM Smith ACTIVITY	LABOR HOURS											
		PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP	TOTAL	
1	Review Existing Info				24		40						64
2	Field Investigations				40		40						80
3	Hydraulic Analysis			40									40
4	Detailed Design Memo (Draft & Final)			40	40		40						120
5	Field Survey												0
6	Easements - If Authorized												0
7	Drawings & Specs			40	160		160						360
8	SWPPP & NOI												0
9	Permits & Evaluations												0
10	Bid Docs			24									24
11	Bidding/ Construction Procurement				24		24						48
12	Progress Meeting, Reports, Schedules, Invoices	4			24				24				52
13	Community Interaction Program Services				8								8
14	Engineering Services During Construction				24		24						48
15	Record Plans												0
	Total Hours												
	Total Hours	4	0	144	344	0	328	0	24	0	0	0	844

*If Authorized

PR - Principal

PM - Project Manager

SPE - Senior Project Engineer

PE - Project Engineer

DE - Design Engineer

ET - Eng. Technician

DR - Drafter

CL - Clerical

RS - Registered Surveyor

FP - Field Person

Note: Include all hours for entire project team on this form. Only one form should be provided. Do not provide a separate form for subconsultants.

APPENDIX B LABOR HOURS

TASK NO.	CAD Concepts Inc ACTIVITY	LABOR HOURS											TOTAL	
		PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP			
1	Review Existing Info													0
2	Field Investigations													0
3	Hydraulic Analysis													0
4	Detailed Design Memo (Draft & Final)							120						120
5	Field Survey													0
6	Easements - If Authorized													0
7	Drawings & Specs							320						320
8	SWPPP & NOI													0
9	Permits & Evaluations													0
10	Bid Docs													0
11	Bidding/ Construction Procurement													0
12	Progress Meeting, Reports, Schedules, Invoices		12					12	12					36
13	Community Interaction Program Services													0
14	Engineering Services During Construction													0
15	Record Plans													0
	Total Hours	0	12	0	0	0	0	452	12	0	0	0	0	476

*If Authorized

PR - Principal

PM - Project Manager

SPE - Senior Project Engineer

PE - Project Engineer

DE - Design Engineer

ET - Eng. Technician

DR - Drafter

CL - Clerical

RS - Registered Surveyor

FP - Field Person

Note: Include all hours for entire project team on this form. Only one form should be provided. Do not provide a separate form for subconsultants.

APPENDIX B LABOR HOURS

TASK NO.	Resource International, Inc. ACTIVITY	LABOR HOURS											TOTAL	
		PR	PM	SPE	PE	DE	ET	DR	CL	RS	FP			
1	Review Existing Info										8	24		32
2	Field Investigations										24	24		48
3	Hydraulic Analysis													0
4	Detailed Design Memo (Draft & Final)													0
5	Field Survey							80		30	300			410
6	Easements - If Authorized							160		40				200
7	Drawings & Specs													0
8	SWPPP & NOI													0
9	Permits & Evaluations													0
10	Bid Docs													0
11	Bidding/ Construction Procurement													0
12	Progress Meeting, Reports, Schedules, Invoices	6							24	12				42
13	Community Interaction Program Services													0
14	Engineering Services During Construction													0
15	Record Plans													0
	Total Hours Excluding If Authorized	6	0	0	0	0	0	80	24	74	348	0		532
	Total Hours	6	0	0	0	0	0	240	24	114	348	0		732

*If Authorized

PR - Principal

PM - Project Manager

SPE - Senior Project Engineer

PE - Project Engineer

DE - Design Engineer

ET - Eng. Technician

DR - Drafter

CL - Clerical

RS - Registered Surveyor

FP - Field Person

Note: Include all hours for entire project team on this form. Only one form should be provided. Do not provide a separate form for subconsultants.