

**NATIONAL PARKWAY, PHASE 2  
ENGINEERS ESTIMATED COST  
4/23/2015 -- BID OPENING**

**A. PAVING**

	DESCRIPTION	QUANTITY	UNIT	ENGINEER'S ESTIMATE		GILCO		SYB CONSTRUCT.		FNH CONSTRUCT.		McMAHON	
				COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST
A-1	Mobilization	1	LS	\$100,000.00	\$100,000.00	\$85,000.00	\$85,000.00	\$77,250.00	\$77,250.00	\$120,000.00	\$120,000.00	\$85,916.50	\$85,916.50
A-2	Unclassified Roadway Excavation and Adjacent Channel (Sht. 14 & 15)	29,758	CY	\$6.50	\$193,427.00	\$7.00	\$208,306.00	\$4.45	\$132,423.10	\$8.50	\$252,943.00	\$6.57	\$195,510.06
A-3	9"- R.C. Pavement w/ 6" Curb (4,000 PSI)	3,440	SY	\$50.00	\$172,000.00	\$59.95	\$206,228.00	\$61.50	\$211,560.00	\$49.00	\$168,560.00	\$48.53	\$166,943.20
A-4	12" Lime Subgrade Preparation	3,722	SY	\$5.00	\$18,610.00	\$4.15	\$15,446.30	\$5.00	\$18,610.00	\$4.00	\$14,888.00	\$2.88	\$10,719.36
A-5	Hydrated Lime for Subgrade (36#/SY)	112	TN	\$180.00	\$17,920.00	\$175.00	\$19,600.00	\$175.00	\$19,600.00	\$171.00	\$19,152.00	\$168.70	\$17,774.40
A-6	Construction Entrance/Exit Pad	1	LS	\$2,500.00	\$2,500.00	\$2,500.00	\$2,500.00	\$2,350.00	\$2,350.00	\$3,500.00	\$3,500.00	\$1,236.25	\$1,236.25
A-7	4" Topsoil in Parkway (South side)	1,438	SY	\$6.00	\$8,628.00	\$5.00	\$7,190.00	\$6.40	\$9,203.20	\$5.00	\$7,190.00	\$3.16	\$4,544.08
A-8	Erosion, Sedimentation and SWPPP Devices	1	LS	\$10,000.00	\$10,000.00	\$5,500.00	\$5,500.00	\$7,600.00	\$7,600.00	\$20,000.00	\$20,000.00	\$21,022.00	\$21,022.00
A-9	Guard Rail Permanent Barricade	500	LF	\$40.00	\$20,000.00	\$45.00	\$22,500.00	\$38.00	\$19,000.00	\$25.00	\$12,500.00	\$37.95	\$18,975.00
A-10	Adjust Manholes in Pavement	2	EA	\$1,250.00	\$2,500.00	\$250.00	\$500.00	\$650.00	\$1,300.00	\$750.00	\$1,500.00	\$895.55	\$1,791.10
A-11	Pavement Double Yellow Traffic Buttons (Temporary)	728	EA	\$4.00	\$2,912.00	\$7.25	\$5,278.00	\$3.50	\$2,548.00	\$6.00	\$4,368.00	\$3.45	\$2,511.60
A-12	Remove Existing Barricade of Metal Beam	54	LF	17.50	\$945.00	\$10.00	\$540.00	\$19.00	\$1,026.00	\$15.00	\$810.00	\$19.55	\$1,055.70
WORKING DAYS _____				TOTAL BID		TOTAL BID		TOTAL BID		TOTAL BID		TOTAL BID	
				\$549,442.00		\$578,588.30		\$502,470.30		\$625,411.00		\$527,999.25	

\*(1) Excess Material to stock pile on Phase 4, fill existing channels and/or the Commercial property

**B. DRAINAGE**

	DESCRIPTION	QUANTITY	UNIT	ENGINEER'S ESTIMATE		GILCO		SYB CONSTRUCT.		FNH CONSTRUCT.		McMAHON	
				COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST
B-1	8' x 5' RCB, CLASS III BOX	570	LF	\$550.00	\$313,500.00	\$598.00	\$340,860.00	\$397.00	\$226,290.00	\$550.00	\$313,500.00	\$444.78	\$253,524.60
B-2	6' x 5' RCB, CLASS III BOX	0	LF	\$400.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$487.00	\$0.00	\$0.00	\$0.00
B-3	5' x 5' RCB, CLASS III BOX	465	LF	\$375.00	\$174,375.00	\$356.00	\$165,540.00	\$251.00	\$116,715.00	\$330.00	\$153,450.00	\$307.37	\$142,927.05
B-4	30" RCP, CLASS III PIPE	58	LF	\$75.00	\$4,350.00	\$113.00	\$6,554.00	\$84.00	\$4,872.00	\$85.00	\$4,930.00	\$92.11	\$5,342.38
B-5	18" RCP, CLASS III PIPE	158	LF	\$55.00	\$8,690.00	\$79.00	\$12,482.00	\$56.00	\$8,848.00	\$50.00	\$7,900.00	\$61.14	\$9,660.12
B-6	10' Recessed curb inlet	3	EA	\$3,500.00	\$10,500.00	\$3,400.00	\$10,200.00	\$3,600.00	\$10,800.00	\$3,100.00	\$9,300.00	\$3,967.50	\$11,902.50
B-7	TXDOT Type PW-1 Wingwall for Double 8' x 5' RCB	1	EA	\$55.00	\$55.00	\$36,000.00	\$36,000.00	\$30,500.00	\$30,500.00	\$10,000.00	\$10,000.00	\$31,050.00	\$31,050.00
B-8	Drop Structure at STA. 9+00 on Main "N1"	1	EA	\$55.00	\$55.00	\$4,250.00	\$4,250.00	\$3,520.00	\$3,520.00	\$5,000.00	\$5,000.00	\$3,852.50	\$3,852.50
B-9	Dry Rock - 12" Rock Rip Rap	410	SY	\$75.00	\$30,750.00	\$110.00	\$45,100.00	\$45.00	\$18,450.00	\$85.00	\$34,850.00	\$111.55	\$45,735.50
B-10	Gabion Mattress - 12" Thick	155	SY	\$75.00	\$11,625.00	\$110.00	\$17,050.00	\$128.00	\$19,840.00	\$100.00	\$15,500.00	\$134.55	\$20,855.25
B-11	Unclassified Excavation - Fill in existing channel adj. to Seeton	5,800	CY	\$4.00	\$23,200.00	\$7.00	\$40,600.00	\$4.85	\$28,130.00	\$6.00	\$34,800.00	\$5.45	\$31,610.00
B-12	Unclassified Excavation - Sht. 20, Channel Excavation	5,100	CY	\$4.00	\$20,400.00	\$7.00	\$35,700.00	\$4.85	\$24,735.00	\$6.00	\$30,600.00	\$5.45	\$27,795.00
B-13	Trench Safety	964	LF	\$1.00	\$964.00	\$2.00	\$1,928.00	\$1.00	\$964.00	\$2.00	\$1,928.00	\$2.51	\$2,419.64
B-14	Hydromulch seeding	10,917	SY	\$2.00	\$21,834.00	\$1.25	\$13,646.25	\$1.75	\$19,104.75	\$1.10	\$12,008.70	\$2.28	\$24,890.76
WORKING DAYS _____				TOTAL BID		TOTAL BID		TOTAL BID		TOTAL BID		TOTAL BID	
				\$620,298.00		\$729,910.25		\$512,768.75		\$633,766.70		\$811,565.30	

\*(1) Excess Material to stock pile on Phase 4 or the Commercial property.

### C. SANITARY SEWER

		ENGINEER'S ESTIMATE		GILCO		SYB CONSTRUCT.		FNH CONSTRUCT.		McMAHON	
	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST
C-1	8" Sewer SDR-26 (All Depths)	95	L.F.	70.00	\$6,650.00	\$89.00	\$8,455.00	\$63.00	\$5,985.00	\$38.00	\$3,610.00
C-2	6" Sewer SDR-26 (All Depths)	30	L.F.	60.00	\$1,800.00	\$84.00	\$2,520.00	\$60.00	\$1,800.00	\$34.00	\$1,020.00
C-3	8" Sewer SDR-26 w/conc. Encase. (All Depths)	65	L.F.	75.00	\$4,125.00	\$70.00	\$3,850.00	\$35.00	\$1,925.00	\$85.00	\$4,675.00
C-4	Std. 4' Dia. Manhole (All Depths)	2	EA.	4,000.00	\$8,000.00	\$7,100.00	\$14,200.00	\$3,255.00	\$6,510.00	\$4,000.00	\$8,000.00
C-5	Lower Existing 8" Force Main	60	L.F.	125.00	\$7,500.00	\$290.00	\$17,400.00	\$10,000.00	\$600,000.00	\$125.00	\$7,500.00
C-6	Concrete Encasement Existing 8" Force Main	10	L.F.	50.00	\$500.00	\$70.00	\$700.00	\$40.00	\$400.00	\$120.00	\$1,200.00
C-7	Trench Safety	150	L.F.	1.00	\$150.00	\$2.00	\$300.00	\$5.00	\$750.00	\$1.00	\$150.00
WORING DAYS _____					\$28,725.00	TOTAL BID	\$47,425.00	TOTAL BID	\$617,370.00	TOTAL BID	\$26,155.00
											\$43,613.59

### D. WATER

		ENGINEER'S ESTIMATE		GILCO		SYB CONSTRUCT.		FNH CONSTRUCT.		McMAHON	
	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST
D-1	12" PVC Water pipe	1,359	L.F.	38.00	\$51,642.00	\$61.00	\$82,899.00	\$58.00	\$78,822.00	\$52.00	\$70,668.00
D-2	8" PVC Water pipe	100	L.F.	20.00	\$2,000.00	\$53.00	\$5,300.00	\$50.00	\$5,000.00	\$41.00	\$4,100.00
D-3	2" PVC service line	85	L.F.	12.00	\$1,020.00	\$42.00	\$3,570.00	\$50.00	\$4,250.00	\$28.00	\$2,380.00
D-4	12" PVC Water pipe w/concrete encasement	50	L.F.	55.00	\$2,750.00	\$70.00	\$3,500.00	\$40.00	\$2,000.00	\$125.00	\$6,250.00
D-5	12" Resilient Gate Valve	2	EA.	2,500.00	\$5,000.00	\$2,600.00	\$5,200.00	\$2,600.00	\$5,200.00	\$4,200.00	\$8,400.00
D-6	8" Resilient Gate Valve	3	EA.	1,200.00	\$3,600.00	\$1,500.00	\$4,500.00	\$1,600.00	\$4,800.00	\$3,500.00	\$10,500.00
D-7	1" Combination Air and Vacuum Release Valve	1	EA.	8,500.00	\$8,500.00	\$4,000.00	\$4,000.00	\$3,500.00	\$3,500.00	\$2,500.00	\$2,500.00
D-8	2" Water Service Connection	1	EA.	900.00	\$900.00	\$1,900.00	\$1,900.00	\$600.00	\$600.00	\$2,500.00	\$2,500.00
D-9	Cut, Plug and Block Existing 8" Water Line	1	EA.	500.00	\$500.00	\$800.00	\$800.00	\$1,000.00	\$1,000.00	\$1,500.00	\$1,500.00
D-10	Salvage and Reinstall Existing 12" Gate Valve	1	EA.	1,500.00	\$1,500.00	\$1,600.00	\$1,600.00	\$1,600.00	\$1,600.00	\$2,850.00	\$2,850.00
D-11	Salvage and Reinstall Existing 8" Gate Valve	1	EA.	1,500.00	\$1,500.00	\$1,300.00	\$1,300.00	\$1,600.00	\$1,600.00	\$2,000.00	\$2,000.00
D-12	Fittings	3.0	TN	7,500.00	\$22,500.00	\$3,600.00	\$10,800.00	\$5,000.00	\$15,000.00	\$4,000.00	\$12,000.00
D-13	Trench Safety	1,459	L.F.	1.00	\$1,459.00	\$2.00	\$2,918.00	\$1.00	\$1,459.00	\$1.00	\$1,459.00
WORING DAYS _____					\$102,871.00	TOTAL BID	\$128,287.00	TOTAL BID	\$124,831.00	TOTAL BID	\$127,107.00
											\$100,374.93

ESTIMATED BASE BID COST: (Sections A, B, C & D)

\$1,301,336.00

\$1,484,210.55

\$1,757,440.05

\$1,412,439.70

\$1,283,553.07

## A1. ALTERNATE 1

A1. ALTERNATE 1			ENGINEER'S ESTIMATE			GILCO		SYB CONSTRUCT.		FNH CONSTRUCT.		McMAHON	
	DESCRIPTION		UNIT	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST
B-1	8' x 5' RCB, CLASS III BOX	350	LF	\$550.00	\$192,500.00	\$598.00	\$209,300.00	\$397.00	\$138,950.00	\$550.00	\$192,500.00	\$438.46	\$153,461.00
B-2	5' x 5' RCB, CLASS III BOX	40	LF	\$375.00	\$15,000.00	\$423.00	\$16,920.00	\$305.00	\$12,200.00	\$475.00	\$19,000.00	\$383.73	\$15,349.20
B-13	Trench Safety	390	LF	\$1.00	\$390.00	\$2.00	\$780.00	\$1.00	\$390.00	\$2.00	\$780.00	\$2.06	\$803.40
B-13	Hydromulch seeding	6,166	SY	\$2.00	\$12,332.00	\$1.25	\$7,707.50	\$1.75	\$10,790.50	\$2.00	\$12,332.00	\$2.28	\$14,058.48
B-11	Unclassified Excavation - Regrade 230 L.F. to the 6' x 5' Box Culvert	350	CY	\$4.00	\$1,400.00	\$7.00	\$2,450.00	\$6.00	\$2,100.00	\$6.00	\$2,100.00	\$10.00	\$3,500.00
B-9	Dry Rock - 12" Rock Rip Rap	(332)	SY	\$75.00	(\$24,900.00)	\$110.00	(\$36,520.00)	\$45.00	(\$14,940.00)	\$85.00	(\$28,220.00)	\$111.55	(\$37,034.60)
WORING DAYS _____					\$196,722.00	TOTAL BID	\$200,637.50	TOTAL BID	\$149,490.50	TOTAL BID	\$198,492.00	TOTAL BID	\$150,137.48

## A2. ALTERNATE 2

A2. ALTERNATE 2			GILCO				SYB CONSTRUCT.		FNH CONSTRUCT.		McMAHON		
	DESCRIPTION		UNIT	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST	COST/UNIT	TOTAL COST
B-3	5' x 5' RCB, CLASS III BOX	212	LF	\$375.00	\$79,500.00	\$356.00	\$75,472.00	\$251.00	\$53,212.00	\$380.00	\$80,560.00	\$307.34	\$65,156.08
A2-1	24" RCP, CLASS III PIPE	5	LF	\$65.00	\$325.00	\$119.00	\$595.00	\$80.00	\$400.00	\$65.00	\$325.00	\$59.46	\$297.30
A2-2	3' Drop Inlet	1	EA	\$3,500.00	\$3,500.00	\$3,300.00	\$3,300.00	\$3,750.00	\$3,750.00	\$3,500.00	\$3,500.00	\$4,140.00	\$4,140.00
S2-3	6' Square Manhole	1	EA	\$7,500.00	\$7,500.00	\$5,400.00	\$5,400.00	\$8,500.00	\$8,500.00	\$4,500.00	\$4,500.00	\$8,970.00	\$8,970.00
B-11	Unclassified Excavation - Sht. 8, (Main N3) (North of National Pkwy)	5,500	CY	\$4.00	\$22,000.00	\$7.00	\$38,500.00	\$4.85	\$26,675.00	\$6.00	\$33,000.00	\$5.47	\$30,085.00
A2-4	Remove Existing 54" Headwall for "N3" Connection	1	EA	\$2,500.00	\$2,500.00	\$800.00	\$800.00	\$1,200.00	\$1,200.00	\$3,500.00	\$3,500.00	\$1,488.95	\$1,488.95
B-13	Trench Safety	217	LF	\$1.00	\$217.00	\$2.00	\$434.00	\$1.00	\$217.00	\$2.00	\$434.00	\$3.71	\$805.07
B-14	Hydromulch seeding	6,166	SY	\$2.00	\$12,332.00	\$1.25	\$7,707.50	\$1.75	\$10,790.50	\$2.00	\$12,332.00	\$2.28	\$14,058.48
B-9	Dry Rock - 12" Rock Rip Rap	(19)	SY	\$75.00	(\$1,425.00)	\$110.00	(\$2,090.00)	\$45.00	(\$855.00)	\$85.00	(\$1,615.00)	\$111.55	(\$2,119.45)
WORING DAYS _____					\$126,449.00	TOTAL BID	\$130,118.50	TOTAL BID	\$103,889.50	TOTAL BID	\$136,536.00	TOTAL BID	\$122,881.43

ESTIMATED BASE BID COST: (Sections A, B, C & D)	\$1,301,336.00	\$1,484,210.55	\$1,757,440.05	\$1,412,439.70	\$1,283,553.07
ESTIMATED BASE BID COST: (Sections A, B, C & D w/Alternate 1)	\$1,498,058.00	\$1,684,848.05	\$1,906,930.55	\$1,610,931.70	\$1,433,690.55
ESTIMATED BASE BID COST: (Sections A, B, C & D w/Alternate 2)	\$1,427,785.00	\$1,614,329.05	\$1,861,329.55	\$1,548,975.70	\$1,406,434.50
ESTIMATED BASE BID COST: (Sections A, B, C & D w/Alternate 1 and 2)	\$1,624,507.00	\$1,814,968.55	\$2,010,820.05	\$1,747,467.70	\$1,556,571.98