

Component	Bid Pkg #	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
00		Trimark			
	01D	TESTING			
		Materials Testing Package - GC	1.00 ls	1,795.74 /ls	1,796
		01D TESTING			1,796
	01E	SURVEY			
		Survey and Layout - GC Package	1.00 ls	1,197.17 /ls	1,197
		Final Survey - allowance	0.00 ls	0.00 /ls	0
		01E SURVEY			1,197
	03A	CAST IN PLACE CONCRETE			
		Cast in Place retaining walls +/- 6' hgt - Pond	90.00 cy	778.16 /cy	70,034
		Foundations - Continuous - pond walls 513LF	50.00 cy	478.87 /cy	23,943
		Pad Footings - 2.5x2.5x1 for masonry piers	6.00 cy	478.86 /cy	2,873
		03A CAST IN PLACE CONCRETE			96,851
	04A	MASONRY			
		16"x16" CMU Column block piers, grout filled	22.00 ea	778.16 /ea	17,119
		Rebar for masonry - material and labor	0.73 tn	1,424.62 /tn	1,040
		04A MASONRY	22.00	825.43	18,159
	05C	ORNAMENTAL METALS			
		Stainless cable rails at east pond deck	446.00 lnft	233.21 /lnft	104,011
		Skateboard prevention rails at east pond wall	299.00 lnft	95.77 /lnft	28,636
		05C ORNAMENTAL METALS			132,647
	06A	ROUGH CARPENTRY			
		ROUGH CARPENTRY Frame Wood Deck at East Pond - LABOR & MATERIAL	1,072.00 sf	28.73 /sf	30,801
		Connectors, fasteners Package - Material	1.00 ls	1,436.60 /ls	1,437
		Add IPE decking to pond bridge	1,072.00 sf	25.14 /sf	26,951
		06A ROUGH CARPENTRY			59,188
	07A	WATERPROOFING, DAMPPROOFING			
		Ext Caulking: Exp Joints, Concrete walks - allowance	1.00 ls	5,985.82 /ls	5,986
		Waterproofing at CIP walls - (east pond)	3,080.00 sf	3.59 /sf	11,062
		Caulks and sealants CIP expansion joints (east pond)	1.00 ls	2,992.92 /ls	2,993
		07A WATERPROOFING, DAMPPROOFING			20,041
	09D	PAINTING, COATINGS, WALLCOVERINGS			
		Sealed Concrete	0.00 sf	/sf	
		SITE PAINTING - allowance	1.00 ls	3,591.50 /ls	3,592
		Paint Bollards - allowance	1.00 ls	1,077.45 /ls	1,077
		09D PAINTING, COATINGS, WALLCOVERINGS			4,669
	31A	SITWORK			
		Sitework - Permitting - Other, GRU	1.00 ls	598.58 /ls	599

Component	Bid Pkg #	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	31A	SITWORK			
		Survey - Certified as-builts Sitework	0.00 ls	0.00 /ls	0
		Testing - Civil Other, GRU	1.00 ls	3,591.49 /ls	3,591
		MOT engineering - Other, GRU	1.00 ls	2,394.32 /ls	2,394
		MOT equip, flagmen - Other, GRU	1.00 ls	4,190.07 /ls	4,190
		Silt Fencing (east)	1,035.00 lf	2.10 /lf	2,168
		Mobilization (sitework)	1.00 ls	2,992.91 /ls	2,993
		SITE CLEARING	0.00 ls	0.00 /ls	0
		Tree Barricade (east)	115.00 lf	5.99 /lf	688
		Remove - concrete flumes (west)	567.00 sf	3.59 /sf	2,036
		Sod - (east)	7,500.00 sf	0.37 /sf	2,783
		SITE DEMOLITION	0.00 ls	/ls	
		Remove asphalt, subbase (east)	1,371.00 sy	4.79 /sy	6,565
		Remove - concrete sidewalk (east) add 1241 from PW	1,946.00 sf	3.59 /sf	6,989
		Remove - concrete curbing (east) add 218 from PW	1,622.00 lf	4.79 /lf	7,767
		Permanent seeding (east lot)	35,965.00 sf	0.11 /sf	3,875
		Remove - chain link fence (east)	1,012.00 lf	1.80 /lf	1,817
		Remove - concrete sidewalk (5th Ave)	2,192.00 sf	2.16 /sf	4,724
		Clear and Grub Site (east) add .62 from PW	1.43 acre	3,591.49 /acre	5,136
		Remove - Asphalt and subbase (west) 50% split w PW	3,664.00 sy	4.79 /sy	17,546
		Remove - sidewalks (west) reduced from 2079 to 848	848.00 sf	2.16 /sf	1,827
		Remove - concrete median (west) reduced amt 168 PW Other	317.00 sf	2.39 /sf	759
		Remove - chain link fence (west)	359.00 lf	1.80 /lf	645
		Permanent seeding (west)	20,013.00 sf	0.11 /sf	2,156
		Remove Trees (east) 37 add from PW	60.00 each	107.75 /each	6,465
		SITE GRADING	sy	/sy	
		Final Grade - site	6,116.00 sy	1.32 /sy	8,054
		CRUSHED STONE	0.00 cuyd	0.00 /cuyd	0
		Fill/Spread Crushed Stone or Gravel (pipe bedding) 18", 15"	90.00 cuyd	83.80 /cuyd	7,542
		Fill/Spread Crushed Stone (pipe bedding) 18", 15"	0.00 cuyd	/cuyd	
		EARTHWORK	0.00 ls	0.00 /ls	0
		Haul Spoils	1,187.00 cy	8.98 /cy	10,658
		Cut - Sanitary piping	829.00 cy	5.39 /cy	4,466
		Fill - sanitary	829.00 cy	17.96 /cy	14,887
		Fill - east creek moved from PW to TM	1,635.48 cy	17.96 /cy	29,369
		Fill - east lot	2,319.00 cy	17.96 /cy	41,643
		Fill - pond, CIP wall	1,761.00 cy	17.96 /cy	31,623
		Fill - north creek	1,338.24 cy	17.96 /cy	24,031
		DEWATERING	0.00 ls	0.00 /ls	0

Component	Bid Pkg #	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	31A	SITEWORK			
		Dewatering - allowance	1.00 ls	11,971.65 /ls	11,972
		PAVING	0.00 sy	/sy	
		Asphalt Paving - loading zone	94.00 sy	33.52 /sy	3,151
		Concrete median 200LF	166.00 sf	10.78 /sf	1,789
		SITE CONCRETE	0.00 sf	/sf	
		Sidewalks at east pond	204.00 sf	5.99 /sf	1,221
		Concrete Sidewalks 4" (4th Ave and 5th Ave)	2,612.00 sf	5.39 /sf	14,071
		SITE WATER SYSTEM	ls	/ls	
		Water Main 6" PVC (across 4th)	80.00 lf	65.84 /lf	5,268
		6" BFP, assembly, concrete pad	1.00 ls	4,190.05 /ls	4,190
		SITE FIRE SYSTEM	ls	/ls	
		Site Fire System - tap by (GRU)	1.00 ls	0.01 /ls	0
		Fire Main 6" PVC (across 4th)	20.00 lf	65.85 /lf	1,317
		4" Fire Hydrant Assembly	1.00 ea	2,334.45 /ea	2,334
		SANITARY SYSTEM	0.00 ls	/ls	
		MH-1 > 8'	1.00 ea	3,780.65 /ea	3,781
		MH-2 > 10'	1.00 ea	4,651.00 /ea	4,651
		MH-3 > 12'	1.00 ea	6,165.40 /ea	6,165
		12" PVC Sanitary	350.00 lf	47.89 /lf	16,760
		6" PVC lateral	55.00 lf	23.94 /lf	1,317
		6" PVC lateral (past GRU Maint)	84.00 lf	23.94 /lf	2,011
		Remove 12" VCP	412.00 lf	11.97 /lf	4,932
		Core to existing	2.00 ea	1,137.30 /ea	2,275
		Pipes Valves and Fittings	1.00 ls	8,978.73 /ls	8,979
		Inlet Protection - dandy sack, maintain (east)	6.00 ea	329.22 /ea	1,975
		Outfall Protection (east)	3.00 ea	239.44 /ea	718
		Inlet Protection - dandy sack, maintain (east)	7.00 ea	329.22 /ea	2,305
		Outfall Protection (east)	3.00 ea	239.44 /ea	718
		S-14 15" MES (east pond)	1.00 ea	598.58 /ea	599
		S-15 15" MES (east pond)	1.00 ea	598.58 /ea	599
		S-13 C Inlet 4.0 (east pond)	1.00 ea	598.58 /ea	599
		New - 18" RCP (east pond)	34.00 lf	65.84 /lf	2,239
		New - 18" RCP (west pond)	20.00 lf	65.85 /lf	1,317
		New - 15" RCP	100.00 lf	53.87 /lf	5,387
		New - 15" RCP	21.00 lf	89.79 /lf	1,886
		S-6 MH >5'	1.00 ea	5,028.10 /ea	5,028
		S-2 Curb Inlets 3	1.00 ea	4,597.10 /ea	4,597
		Split Cost of Storm Pipe Removal w/ Developer	1.00 ls	15,105.00 /ls	15,105

Component	Bid Pkg #	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
		31A SITEWORK			399,243
	32B	LANDSCAPING, IRRIGATION			
		Mobilization, amendments, guy wires, fert	1.00 ls	2,154.91 /ls	2,155
		Irrigation - System controller, piping, valves and heads	1.00 ls	5,387.22 /ls	5,387
		Irrigation - Sleeves	200.00 lf	9.58 /lf	1,915
		Landscape - Mulch pine straw	110.00 cy	10.78 /cy	1,185
		Landscape - Sod	25,000.00 sf	0.42 /sf	10,475
		Landscape - Monthly Maintenance	3.00 mo	598.58 /mo	1,796
		TREE MITIGATION - (see add ons)	ls	/ls	
		Trees - River Birch 100gal 20' hgt 5" cal	8.00 ea	778.16 /ea	6,225
		Trees - Tulip Tree 65gal 13' hgt 3.5" cal	3.00 ea	628.51 /ea	1,886
		Trees - Southern Live Oak 100gal 21' hgt 5" cal	3.00 ea	1,167.24 /ea	3,502
		Trees - Bald Cypress 100gal 20' hgt 5" cal	13.00 ea	778.16 /ea	10,116
		Landscape - Plantings - 4" Blue Iris 24"oc	160.00 ea	3.59 /ea	575
		Landscape - Plantings - 4" Soft Rush 42"oc	24.00 ea	3.59 /ea	86
		Landscape - Plantings - 4" Sand Cord Grass 42"oc	90.00 ea	3.59 /ea	323
		Landscape - Gravel mulch at pond bottom	92.00 tn	143.66 /tn	13,217
		32B LANDSCAPING, IRRIGATION			58,843
		00 Trimark			792,633

Component	Bid Pkg #	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
01		Public Works - SMU			
	01D	TESTING			
		Materials Testing Package - GC	1.00 ls	1,436.61 /ls	1,437
		01D TESTING			1,437
	01E	SURVEY			
		Survey and Layout - GC Package	1.00 ls	2,394.33 /ls	2,394
		Final Survey - allowance	0.00 ls	0.00 /ls	0
		01E SURVEY			2,394
	03A	CAST IN PLACE CONCRETE			
		South outfall - concrete splash pad (lower)	445.00 sf	12.57 /sf	5,594
		Cast in Place retaining walls - south	122.00 cy	778.16 /cy	94,935
		Foundations - Continuous - (overlook)	135.00 cy	478.87 /cy	64,647
		Headwall Modifications - Allowance	1.00 ls	10,175.89 /ls	10,176
		03A CAST IN PLACE CONCRETE			175,352
	05C	ORNAMENTAL METALS			
		Wall Rails at south over look - pre-fab aluminum	129.00 lnft	119.72 /lnft	15,443
		05C ORNAMENTAL METALS			15,443
	07A	WATERPROOFING, DAMPPROOFING			
		Caulks and sealants CIP expansion joints	1.00 ls	1,795.77 /ls	1,796
		Waterproofing at CIP walls - (headwall south)	0.00 sf	0.00 /sf	0
		Ext Caulking Exp Joints, Concrete ramps, walks	1.00 ls	2,992.90 /ls	2,993
		07A WATERPROOFING, DAMPPROOFING			4,789
	26A	ELECTRICAL			
		Electrical service - relocations (allowance for Storm work)	0.00 ls	0.00 /ls	0
	31A	SITWORK			
		Utility conflicts - allowance	0.00 ls	0.00 /ls	0
		Sitework - Package	ls	/ls	
		Permitting - NPDES, St Johns WM - (by owner)	ls	/ls	
		Sitework - Permitting - Public Works	0.00 ls	0.00 /ls	0
		Survey - Certified as-builts Sitework	0.00 ls	0.00 /ls	0
		Testing - Civil Public Works	1.00 ls	5,985.81 /ls	5,986
		MOT equip, flagmen - Public Works	1.00 ls	9,577.30 /ls	9,577
		MOT engineering - Public Works	1.00 ls	4,788.68 /ls	4,789
		Silt Fencing (west)	647.00 lf	2.10 /lf	1,355
		Mobilization (sitework)	1.00 ls	5,985.83 /ls	5,986
		Construction entrance - maintain	1.00 ls	4,788.65 /ls	4,789
		SITE DEMOLITION	ls	/ls	
		Remove - Asphalt and subbase (west) 50% reduced moved to TM	525.00 sy	4.79 /sy	2,514

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	31A	SITEWORK			
		Remove - concrete paving (west)	1,641.00 sf	3.59 /sf	5,894
		Remove - sidewalks (west) reduced from 2079 to 848	848.00 sf	2.16 /sf	1,827
		Remove - concrete median (west) reduced amt 168	168.00 sf	2.39 /sf	402
		Remove - concrete curbing (west) reduced	284.00 lf	4.79 /lf	1,360
		Remove - chain link fence (west)	225.00 lf	1.80 /lf	404
		Remove - limerock driveways	548.00 sf	1.08 /sf	590
		Remove - bollards	9.00 ea	41.90 /ea	377
		Permanent seeding (west)	20,000.00 sf	0.11 /sf	2,155
		Sod slopes (pin) (south outfall)	16,434.00 sf	0.48 /sf	7,870
		Remove bag headwall	1.00 ls	14,366.00 /ls	14,366
		Clear and Grub Site (west) reduced from 1.08 to .62 PW	0.62 acre	3,591.47 /acre	2,227
		Remove Trees (west) Reduced moved to Other	37.00 each	107.75 /each	3,987
		Remove headwall and concrete piers and footings in creek (east)	1.00 ls	5,985.83 /ls	5,986
		SITE GRADING	ls	/ls	
		Final Grade - site	2,750.00 sy	1.32 /sy	3,621
		GRAVEL/ CRUSHED STONE	ls	/ls	
		Fill/Spread Crushed Stone or Gravel (pipe bedding, structures) 18", 15"	119.00 cuyd	83.80 /cuyd	9,972
		Fill/Spread Crushed Stone or Gravel (pipe bedding, structures) 72"	122.00 cuyd	83.80 /cuyd	10,224
		EARTHWORK	ls	/ls	
		Haul Spoils	950.00 cy	8.98 /cy	8,530
		Trench Box, shoring for structures	1.00 ls	17,957.45 /ls	17,957
		Fill - north creek	750.00 cy	17.96 /cy	13,468
		Fill - south headwall	1,873.99 cy	17.96 /cy	33,652
		Fill - new storm piping	2,190.65 cy	17.96 /cy	39,339
		Fill - east creek moved from PW to TM	ls	/ls	
		DEWATERING	ls	/ls	
		Dewatering / Pump Around - allowance	1.00 ls	41,900.72 /ls	41,901
		PAVING	ls	/ls	
		Asphalt Paving - (4th Ave) reduce 185SY	643.00 sy	33.52 /sy	21,554
		Concrete Paving - 6" w reinforcement	876.00 sf	10.77 /sf	9,438
		Detectable Warning	100.00 sf	53.87 /sf	5,387
		Asphalt Paving - milling 1" (4th Ave) not required per PW 230SY	ls	/ls	
		Concrete median 200LF 50%	318.00 sf	10.77 /sf	3,426
		SITE CONCRETE	ls	/ls	
		Concrete Sidewalks 4" (4th Ave and 5th Ave)	360.00 sf	5.39 /sf	1,939
		Concrete Sidewalks 4" (4th Ave) Colored	495.00 sf	11.37 /sf	5,630
		Concrete curbing (4th Ave)	141.00 lf	21.55 /lf	3,038
		HC Ramps	140.00 sf	11.37 /sf	1,592

Component	Bid Pkg #	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	31A	SITWORK			
		Traffic Signage - 4th Ave	4.00 ea	329.22 /ea	1,317
		Pavement Striping - 4th Ave	1.00 ls	3,950.65 /ls	3,951
		SITE WATER SYSTEM	ls	/ls	
		24" Watermain at 5th Ave - Allowance to cut and replace in excavation area - assumes GRU shut down is allowed	0.00 ls	0.00 /ls	0
		STORM SYSTEM DEMOLITION	ls	/ls	
		Storm system - shoring, trench box, concrete structure support	1.00 ls	17,957.46 /ls	17,957
		Inlet Protection - dandy sack, maintain (west)	6.00 ea	299.29 /ea	1,796
		Outfall Protection (west)	2.00 ea	179.57 /ea	359
		Exc - Remove - 18" RCP abandon in place 50LF	139.00 lf	35.92 /lf	4,992
		Exc - Remove - 36" RCP	210.00 lf	47.89 /lf	10,056
		Exc - Remove - 40" RCP	66.00 lf	59.86 /lf	3,951
		Exc - Remove - 60" RCP	72.00 lf	71.83 /lf	5,172
		Exc - Remove - 72" RCP	125.00 lf	179.58 /lf	22,447
		Split Cost of Storm Pipe Removal w/ Developer	-1.00 ls	15,104.55 /ls	(15,105)
		STORM SYSTEM PIPING	ls	/ls	
		New - 72" RCP	410.00 lf	269.36 /lf	110,438
		New - 18" RCP	320.00 lf	179.58 /lf	57,464
		S-1 MH >14'	1.00 ea	5,459.06 /ea	5,459
		S-2 Curb Inlets 5,7	2.00 ea	4,597.11 /ea	9,194
		S-7 Curb Inlet >14' - structure 7 < 8' adjusted unit cost per PW	1.00 ea	5,028.08 /ea	5,028
		S-8 Curb Inlet >15'	2.00 ea	8,116.78 /ea	16,234
		S-16 18" MES	1.00 ea	1,364.78 /ea	1,365
		S-EX Existing MH - tie-in	1.00 ea	1,077.45 /ea	1,077
		Replace structure at south headwall concrete flumes per PW note	1.00 ea	5,387.22 /ea	5,387
		Rip Rap	1.00 ea	2,992.91 /ea	2,993
		31A SITWORK			584,642
		01 Public Works - SMU			784,057

Component	Bid Pkg #	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
02		CRA			
	01D	TESTING			
		Materials Testing Package - GC	1.00 ls	1,436.60 /ls	1,437
		01D TESTING			1,437
	01E	SURVEY			
		Survey and Layout - GC Package	1.00 ls	1,197.17 /ls	1,197
		Final Survey - allowance	0.00 ls	0.00 /ls	0
		01E SURVEY			1,197
	03A	CAST IN PLACE CONCRETE			
		Pedestrian Path - concrete slab	3,070.00 sf	9.58 /sf	29,402
		Pedestrian Path - concrete slab colored / sandblast	1,387.00 sf	14.37 /sf	19,926
		Concrete slab at overlook - colored / sandblast	518.00 sf	9.58 /sf	4,961
		Concrete - exposed aggregate detectable warning	94.00 sf	17.96 /sf	1,688
		Concrete form liner at radius wall	459.00 sf	11.97 /sf	5,495
		03A CAST IN PLACE CONCRETE			61,472
	05C	ORNAMENTAL METALS			
		Wall Rails at south over look	51.00 lnft	289.71 /lnft	14,775
		05C ORNAMENTAL METALS			14,775
	07A	WATERPROOFING, DAMPPROOFING			
		Ext Caulking Exp Joints, Concrete walks	1.00 ls	2,992.91 /ls	2,993
		07A WATERPROOFING, DAMPPROOFING			2,993
	26A	ELECTRICAL			
		Electrical Meter and load center for lighting	1.00 ls	3,591.48 /ls	3,591
		Type PL3 and base aluminum pole mount at 25' LED and concrete bases per fixture notes E-1 (5th Ave)	7.00 ea	7,182.99 /ea	50,281
		Type PLT and base aluminum pole at 15' LED per fixture notes (Ped Path)	4.00 ea	5,985.82 /ea	23,943
		Type PL Light and Pole (by GRU) NIC	ls	/ls	
		Conduit and Wiring, contactor, clock (4th Ave)	848.00 lf	10.77 /lf	9,137
		Conduit and Wiring contactor, clock (Ped Path)	243.00 lf	10.77 /lf	2,618
		Excavation for electrical service	282.00 cy	8.98 /cy	2,532
		Traffic lighting, infrastructure, service UG - warning flash - allowance	4.00 ea	10,774.48 /ea	43,098
		26A ELECTRICAL			135,201
	31A	SITEWORK			
		Utility conflicts - allowance	0.00 ls	0.00 /ls	0
		Sitework - Permitting - CRA	1.00 ls	1,795.76 /ls	1,796
		Survey - Certified as-builts Sitework	0.00 ls	0.00 /ls	0
		Testing - Civil CRA	1.00 ls	3,591.50 /ls	3,592
		SITE GRADING	ls	/ls	
		Final Grade - site	1,218.00 sy	1.32 /sy	1,604



9th St Urban Walkway and Stormwater Upgrades
90% Design Progress - estimate detail revision 5-4-16

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Component	Bid Pkg #	Description	Takeoff Quantity	Total Cost/Unit	Total Amount
	31A	SITEWORK			
		SITE CONCRETE	Is	//s	
		Concrete aprons	435.00 sf	10.77 /sf	4,687
		Bench install	8.00 ea	299.29 /ea	2,394
		Bike Rack install	10.00 ea	119.72 /ea	1,197
		31A SITEWORK			15,270
	32B	LANDSCAPING, IRRIGATION			
		Landscape - Sod overlook (upper)	2,410.00 sf	0.42 /sf	1,010
		32B LANDSCAPING, IRRIGATION			1,010
	32E	SITE FURNISHINGS			
		Bike Racks - material	10.00 ea	951.75 /ea	9,517
		Benches	8.00 ea	4,020.08 /ea	32,161
		Trash Recepticals	1.00 ea	2,587.08 /ea	2,587
		32E SITE FURNISHINGS			44,265
		02 CRA			277,619

Estimate Totals

Description	Amount	Totals	Rate
Total		1,854,309	