

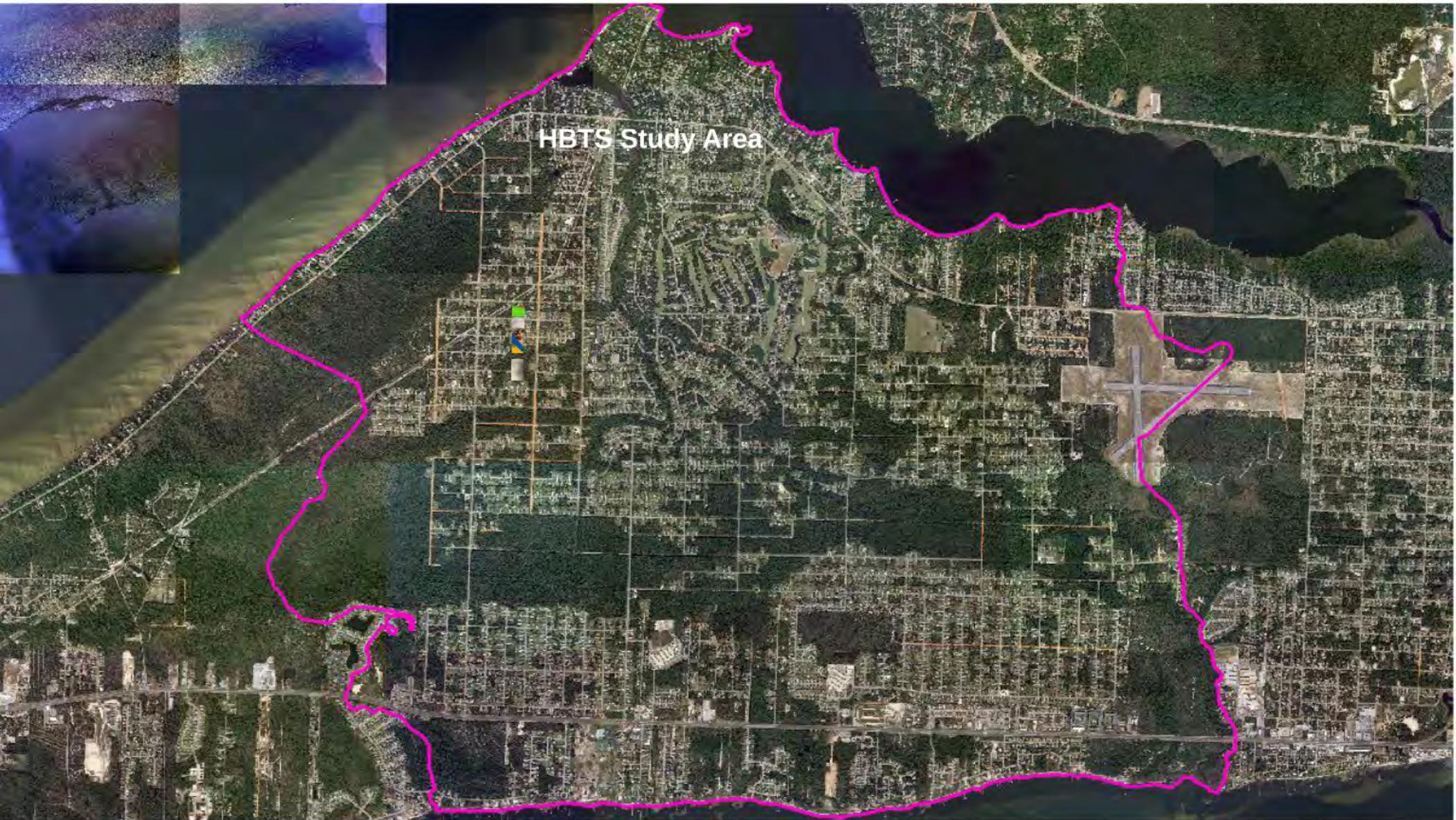
Santa Rosa County

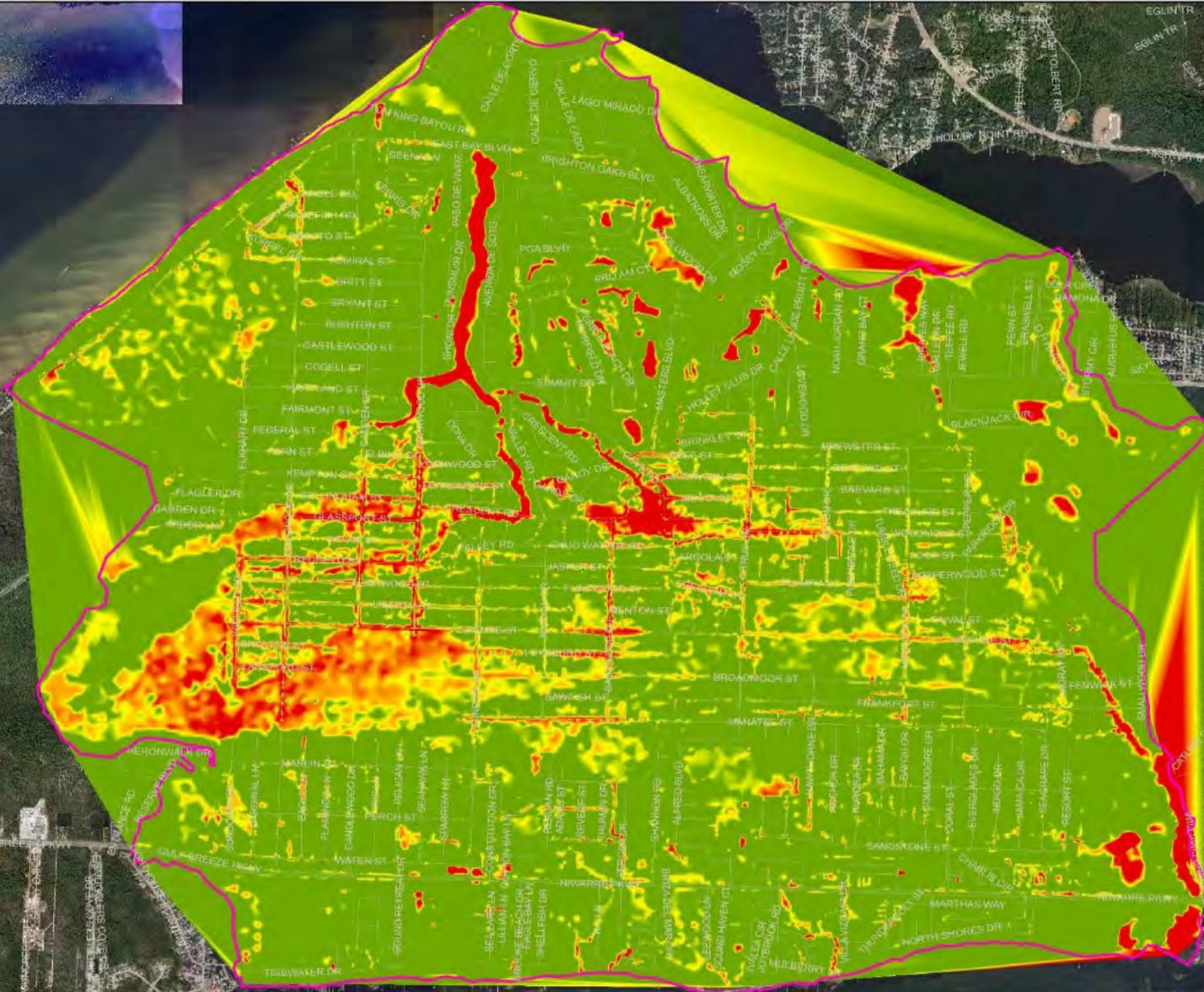
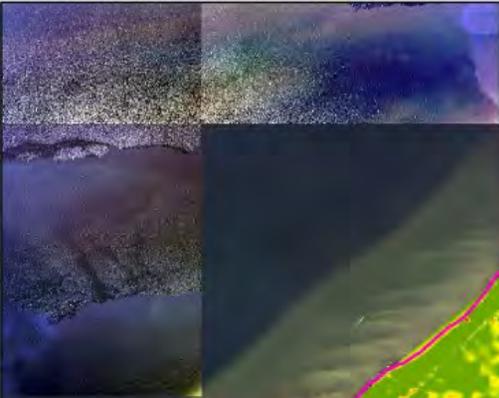
Engineering Services - Holley by the Sea



BASKERVILLE-DONOVAN, INC.
Innovative Infrastructure Solutions







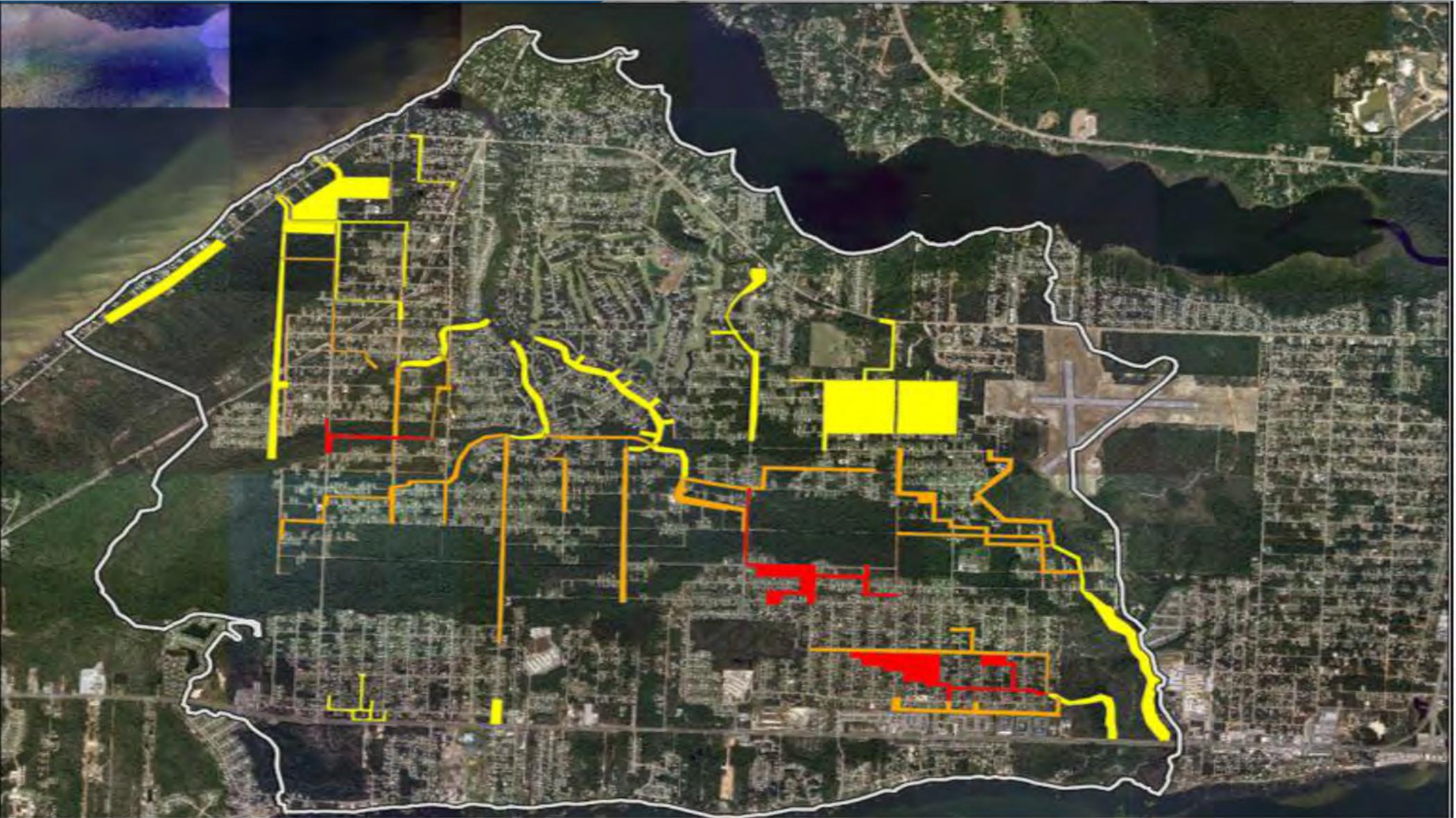
Legend

-  Drainage Study Boundary

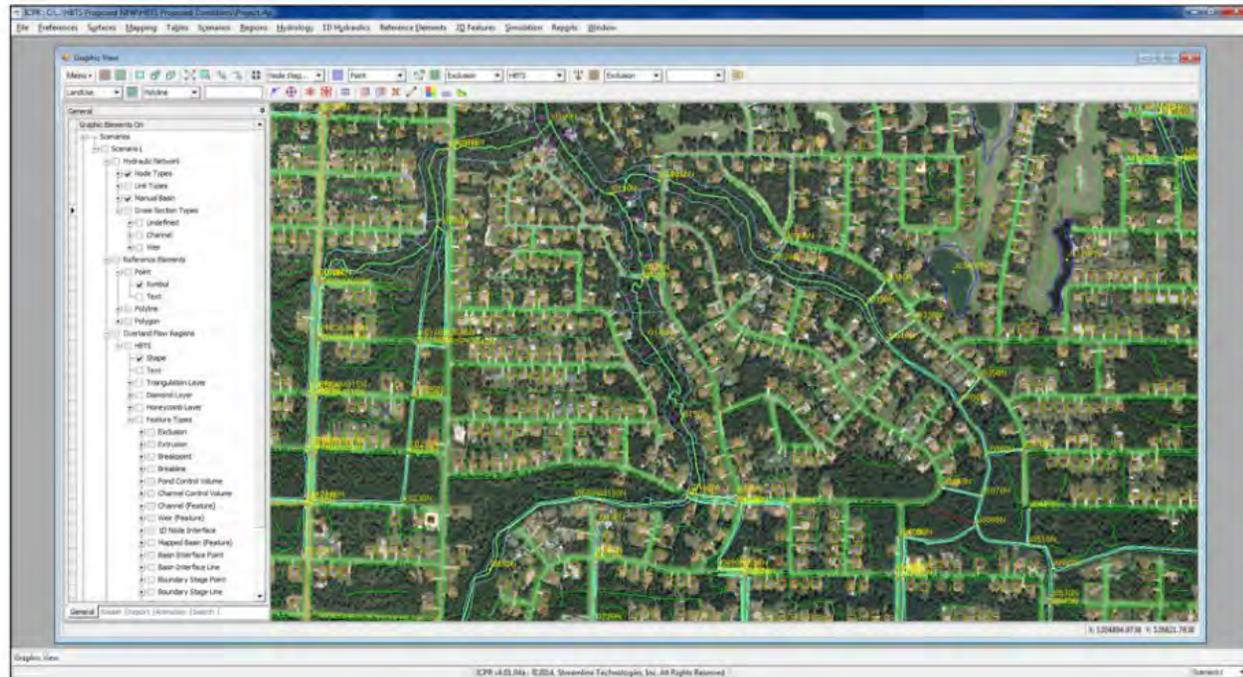
100 Year, 24 Hour Storm

Depth (Feet)

-  High : 2+
-  1.5
-  1
-  Low : 0-0.5



- Funding Opportunities
- Shovel Ready Projects
- Leveraging Opportunities



Water Project Application Form

Preview after Data Entrg. Form cannot be edited.

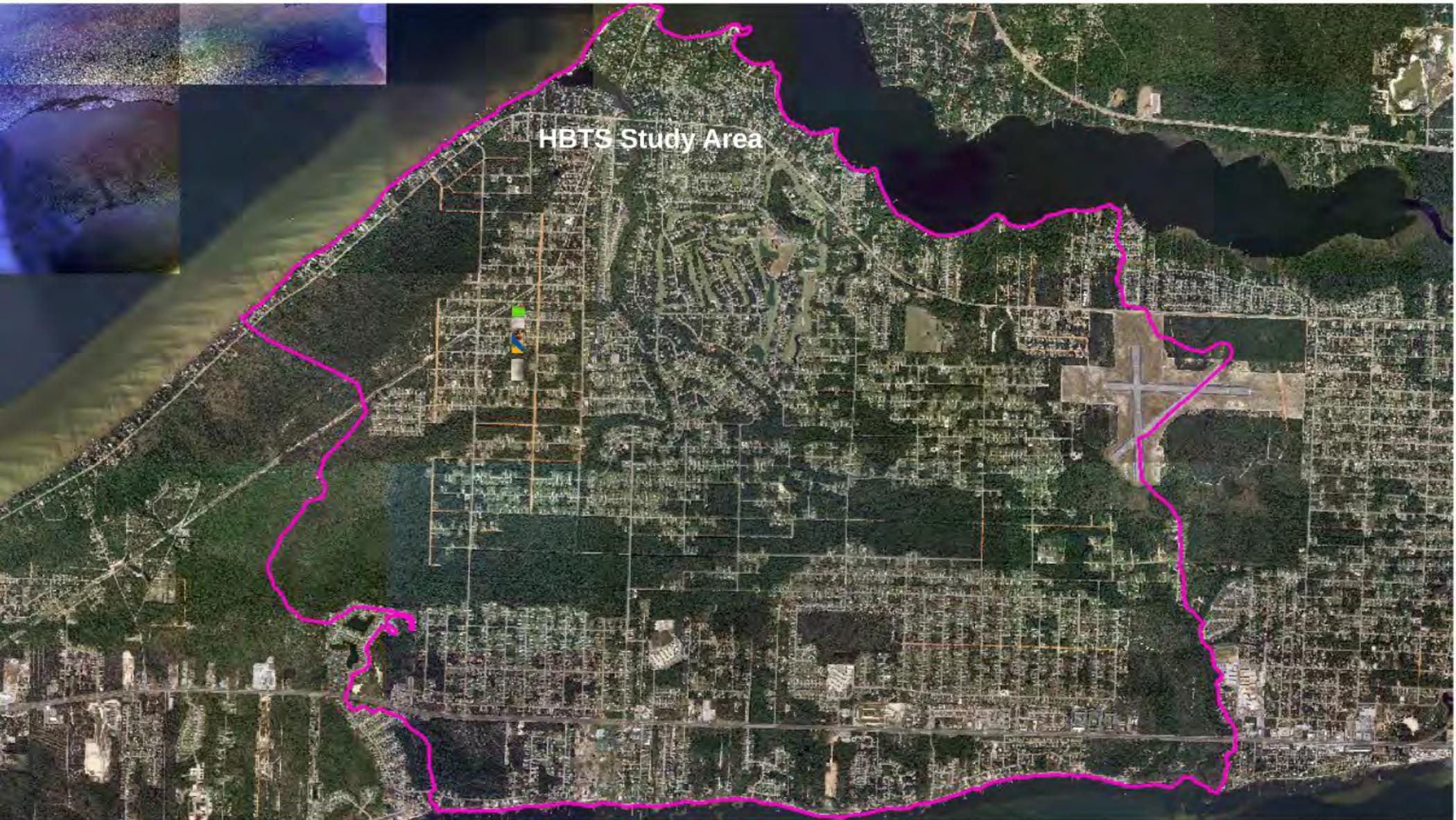
Num	Field	Data Entered	Column
1	Sponsor	Broxson	7
2	Proj Title	Santa Rosa County, Holley By the Sea, Camden Rd Outfall Improvements	68
3	Recipient	Santa Rosa County	17
4	County	Santa Rosa	10
5	Contact	Roger Blaylock	14
6	Contact Add	6051 Old Bagdad Highway, Ste. 300 Milton, FL 32583	54
7	Contact Phone	850-981-7100	12
8	Contact Email	rogerb@santarosa.fl.gov	23
9	Proj Description	Drainage improvements to the Camden Rd outfall line were identified in the recent Holley By the Sea Drainage Improvements Program. The project will result in increased drainage along Camden Rd, which moves stormwater from the area surrounding Glassport Rd. to the west branch of Tom King Bayou. Work items will consists of improvements to the existing drainage system as well as additional drainage items such as culverts and roadside ditching. Several sections of stream channel restoration will also be accomplished.	521
10	Statewide Goal	N/A	3
11	Project Addressed in Plan?	Yes	3
12	Plan Name	Holley By The Sea Drainage Improvements Program	47
13	Proj Cost	\$2,600,000	7
14	Amt Requested	\$1,300,000	7
15	Local Match Amt	\$1,300,000	7
16	Type of Match Pledged	N/A	3
17	In-Kind Match Description	N/A	3
18	Financially Disadvantaged?	No	2
19	Population Economic Status?	N/A	3
20	Proj Previously Funded?	No	2
21	Type of State Funding	N/A	3
22	Fiscal Year		1
23	Amt	\$0	1
24	Future Funding Requested?	No	2
25	<i>Future Funding Date</i>		1
26	Applied for Alternative Funding?	No	2
27	If not, why not?	Project was identified in a recent study, Holley By The Sea Drainage Improvements Program	89
28	Revenue Sources for Ongoing Operating Expenses?	Santa Rosa County, Roads and Bridges	36
29	Local Approval for the use of Identified Operating Funds?	Yes	3
30	Status of Planning	Ready	5
31	Status % Complete	100%	1
32	<i>Est Completion Date</i>	11/31/2015	10
33	Status of Design	Not Ready	9
34	Design % Complete	10%	3
35	<i>Est Design Completion Date</i>	12/31/2016	10
36	Identify Required Permits	NWFMD ERP permit, Corps of Engineers Dredge and Fill permit	60
37	Status of Permitting	Planned	7
38	Status of Construction	Not Ready	9
39	Construction % Complete	0%	1
40	<i>Est Construction Completion Date</i>		0

Camden Drive Project

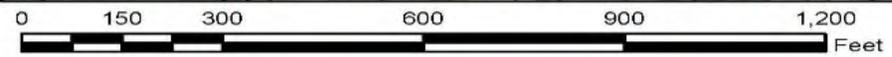
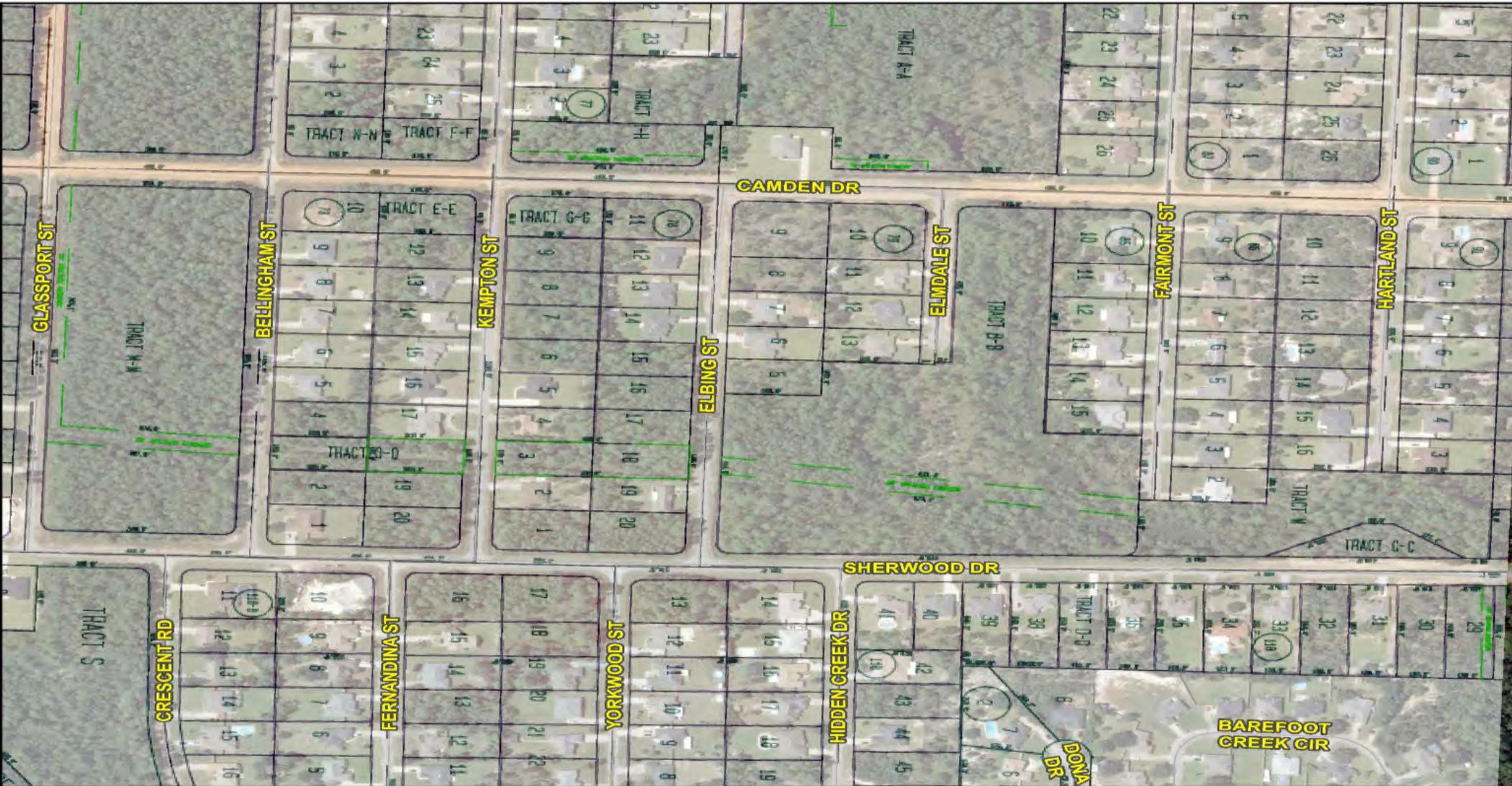
Estimated Project Cost	\$2,600,000
Grant Funds Requested	\$1,300,000
Local Matching Funds Pledged	\$1,300,000
2016 Legislative Funding	\$650,000 <small>Request was funding at 50% this legislative cycle</small>

SECTION 5 - NATURAL RESOURCES/ENVIRONMENT/GROWTH MANAGEMENT/TRANSPORTATION

Hendry County Wastewater Infrastructure on US27-SR80 - Phase Two.....	250,000
Hernando County Hunter's Lake Clean-up.....	200,000
Holley By the Sea Camden Road Outfall Improvements.....	650,000
Hollywood Water Main Replacement.....	200,000
Homestead Racetrack Water Tower Pump Station.....	500,000
Howey-in-the-Hills Development and Wastewater.....	400,000
Indian River County Pilot Aquatic Plant-Based Pollutant Removal System Project.....	150,000
J.W. Corbett Levee.....	500,000
Jacksonville Arboretum Stormwater Improvement.....	250,000
Jacksonville Julington/Cormorant Stormwater Improvement.....	202,450
Jay Water Well Maintenance and Stormwater System.....	275,000
Key Biscayne K-8 Stormwater Improvement Phase I.....	525,000
Kings Bay Restoration.....	1,400,000
LaBelle Ft. Thompson Water Quality Improvement Project.....	200,000
Lafayette County CR 300 Flood and Stormwater.....	425,000
Lake County Magnolia Lane Water Quality Retrofit Lake Harris Basin.....	350,000
Lake Manatee Water Supply and Water Quality Improvement Phase 2.....	345,000
Lake Region Lakes Water Control Structures.....	500,000
Lake Wales West SR 50 Expansion.....	250,000
Lake Worth Lagoon Initiative.....	2,000,000
Lakeland Se7en Wetlands Wastewater Treatment Facility.....	450,000
Lantana ICW Subaqueous Water Main Crossing Replacement Project.....	350,000
Lantana Lift Stations 1, 3, 4, & 9 Electrical Upgrades.....	150,000
Lauderdale Lakes Stormwater Conveyance and Water Quality Improvement Project.....	500,000
Lauderdale Lakes Water Pollutant Reduction Tactics Project..	200,000
Lauderhill Lift Station 2 Rehabilitation Project.....	250,000
Lee County Hendry Creek West Branch Restoration.....	475,000
Lee County Lakes Park Littoral Zone Project.....	200,000
Lee County Sunniland/Nine Mile Run Drainage Improvement Project.....	300,000
Loxahatchee River Preservation Initiative.....	1,050,000
Lynn Haven Reuse Improvements.....	250,000
Lynn Haven Water System Improvements.....	287,500
Mangrove Park Water Quality and Access Improvements.....	800,000
Marco Island Stormwater Master Plan Drainage Improvements...	299,140
Marco Shores Alternative Water Solution.....	750,000
Margate Lemon Tree Lake Water Quality Improvement Project...	100,000
Margate Sewer Piping Rehabilitation Phase II.....	200,000
Martin County All American Ditch Stormwater Quality Retrofit Project.....	700,000
Mary Esther Masterlift Station.....	1,000,000
Medley Seawall Repair & Expansion.....	600,000
Merritt Island High School Sykes Creek Drainage Project.....	1,240,000
Miami Beach Water Line Replacement on Alton Road from Michigan Ave to North Bay Rd.....	250,000
Miami Beach Water Line Replacement on Alton Road From 43rd St. to 63rd St.....	250,000
Miami Gardens NW 34 Court and NW 203 Street Drainage Project.....	150,000
Miami Gardens Vista Verde Drainage Improvement Project.....	250,000
Miami Lakes West Lakes Drainage Improvements Phase B, C, and D.....	400,000
Miami Springs Study, Erosion Control and Stabilization of Drainage Canals.....	700,000
Miami Wagner Creek-Seybold Canal Dredging Restoration Project.....	250,000
Miami-Dade County NW 12 Street & NW 117 Ave Flood Control Structures Improvements.....	33,750
Miami-Dade County NW 58 Street and NW 117 Ave Flood Control Structures Improvements.....	225,000
Miami-Dade Water Service Connections.....	452,977
Midway Sewer Phase 1 Design.....	150,000
Miramar Flamingo Road Reclaimed Water Distribution System Expansion.....	500,000
Monticello Water Losses Project.....	270,000
Moore Haven Avenue R Caloosahatchee River Stormwater Conveyance and Improvements.....	500,000
Mount Dora Britt Road Reclaimed Water Extension.....	500,000
Naples Park Area/Basin Infrastructure Phase II.....	750,000
New Smyrna Beach - Isleboro Stormwater Master Plan.....	250,000
Noma Elevated Water Storage Tank Renovation.....	112,000



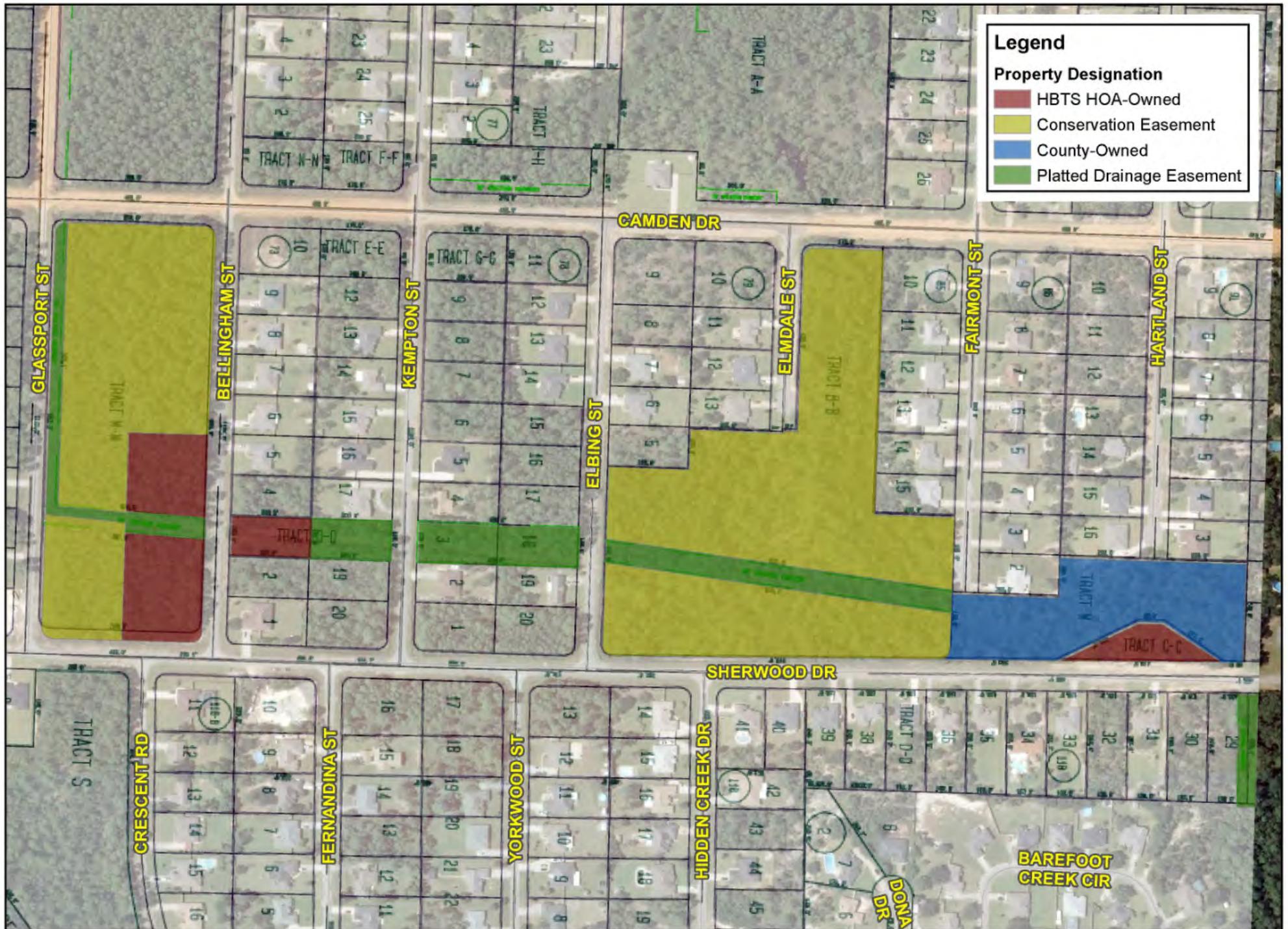
HBTS Study Area



Camden Drive Improvements, Plat Overlay Map



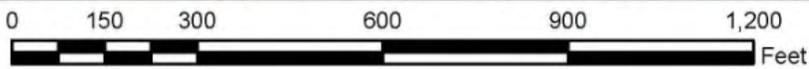
1 in = 300 ft



Legend

Property Designation

- HBTS HOA-Owned
- Conservation Easement
- County-Owned
- Platted Drainage Easement



Camden Drive Improvements, Plat Overlay Map



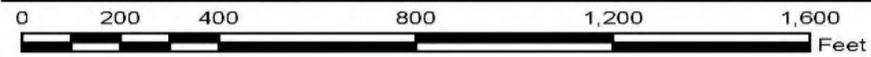
1 in = 300 ft



Legend

Phase Number

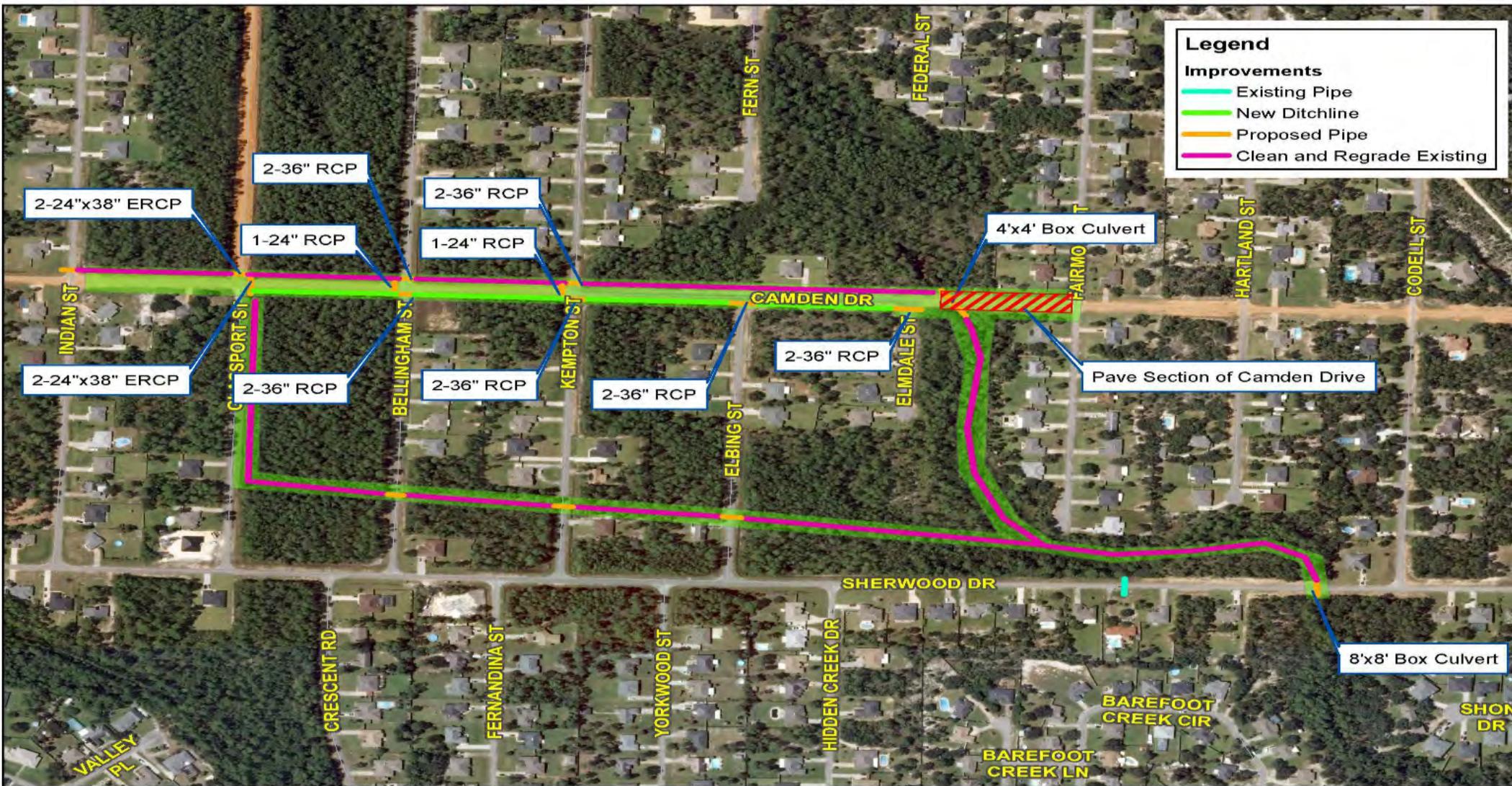
- 1
- 2



Camden Drive Improvements Overall Phasing Plan



1 in = 400 ft



Legend

Improvements

- Existing Pipe
- New Ditchline
- Proposed Pipe
- Clean and Regrade Existing

- 2-24"x38" ERCP
- 2-36" RCP
- 1-24" RCP
- 2-36" RCP
- 1-24" RCP
- 2-36" RCP
- 4'x4' Box Culvert
- Pave Section of Camden Drive
- 8'x8' Box Culvert

0 200 400 800 1,200 1,600 Feet

Camden Drive Improvements, Phase 1

➤ 1 in = 400 ft



2-19"x30" ERCP

Roadway Paving

CAMDEN DR

INDIAN ST

GLASSPORT ST

BELLINGHAM ST

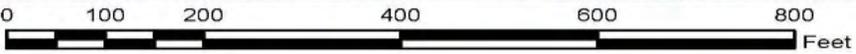
KEMPTON ST

ELBING ST

3'x5' BOX CULVERT

3'x5' BOX CULVERT

2-3'x4' BOX CULVERT



Camden Drive Improvements, Phase 2



1 in = 200 ft

ESTIMATE OF PROBABLE COST



PROJECT: Camden Drive Phase I
 LOCATION: Santa Rosa County, FL
 Prepared by: MDL

Date: August 2016
 Reviewed by: WJH

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization/Demobilization	1	LS	\$10,000.00	\$10,000.00
2	Maintenance of Traffic	1	LS	\$25,000.00	\$25,000.00
3	Hay Bales	3,600	EA	\$13.50	\$48,600.00
4	Silt Fence	7,200	LF	\$7.50	\$54,000.00
5	Select Demolition Sherwood Drive Culvert	1	LS	\$20,000.00	\$20,000.00
6	Select Demolition Camden Drive Culvert	1	LS	\$15,000.00	\$15,000.00
7	Select Demolition Elbing Street Culvert	1	LS	\$15,000.00	\$15,000.00
8	Select Demolition Kempton Street Culvert	1	LS	\$15,000.00	\$15,000.00
9	Select Demolition Bellingham Street Culvert	1	LS	\$20,000.00	\$20,000.00
10	Select Demolition Glassport Street Culvert	1	LS	\$15,000.00	\$15,000.00
11	Clearing within ROW	2	AC	\$8,000.00	\$16,000.00
12	Hand Clearing, Wetlands/Flow way 50'x2500'	8	AC	\$15,000.00	\$120,000.00
13	Dewatering, Well Point	6	MO	\$10,000.00	\$60,000.00
14	Utility Adjustments	1	LS	\$110,000.00	\$110,000.00
15	Roadside Ditch Grading	4,500	LF	\$10.50	\$47,250.00
16	8'x8' Box Culvert w/Headwall	40	LF	\$1,950.00	\$78,000.00
17	4'x4' Box Culvert w/Headwall	40	LF	\$1,000.00	\$40,000.00
18	36" Reinforced Concrete Pipe (RCP)	720	LF	\$85.00	\$61,200.00
19	Double 36" RCP Mitered End Section (MES)	12	EA	\$3,200.00	\$38,400.00
20	24" Reinforced Concrete Pipe (RCP)	120	LF	\$65.00	\$7,800.00
21	24" RCP Mitered End Section (MES)	4	EA	\$1,850.00	\$7,400.00
22	24"x38" Reinforced Concrete Pipe (ERCP)	240	LF	\$95.00	\$22,800.00
23	DBL 24"x38" RCP Mitered End Section (MES)	4	EA	\$3,200.00	\$12,800.00
24	Rip Rap w/ Geotextile	100	SY	\$140.00	\$14,000.00
25	12" Stabilized Subgrade	1,600	SY	\$8.00	\$12,800.00
26	8" Limerock Base	1,600	SY	\$20.00	\$32,000.00
27	1.5" SP-12.5 Asphalt	1,400.00	SY	\$7.00	\$9,800.00
28	Seed and Mulch	6,000	SY	\$1.25	\$7,500.00
29	Sod	700	SY	\$3.75	\$2,625.00
30	Signage and Striping	1	LS	\$6,000.00	\$6,000.00
31	Misc Restoration	1	LS	\$60,000.00	\$60,000.00
32					
33					
34					
35					
36					
37					
SUBTOTAL					\$1,003,975.00
Contingency (20%)					\$200,795.00
SUBTOTAL WITH CONTINGENCY					\$1,204,770.00
Consulting Fees (15%)					\$180,715.50
Construction Fees (10%)					\$120,477.00
Agency Permitting Fees					\$5,000.00
TOTAL					\$1,510,962.50

Note:
 Unit prices shown in this opinion of probable cost are based on the following cost databases:
 *Florida Department of Transportation Historical Statewide Cost Information
 *Baskerville-Donovan, Inc. Historical Bid Tab Information

ESTIMATE OF PROBABLE COST



PROJECT: Camden Drive Phase II
 LOCATION: Santa Rosa County, FL
 Prepared by: MDL

Date: August 2016
 Reviewed by: WJH

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
1	Mobilization/Demobilization	1	LS	\$10,000.00	\$10,000.00
2	Maintenance of Traffic	1	LS	\$25,000.00	\$25,000.00
3	Hay Bales	1,500	EA	\$13.50	\$20,250.00
4	Silt Fence	3,000	LF	\$7.50	\$22,500.00
5	Select Demolition Elbing Street Culvert	1	LS	\$15,000.00	\$15,000.00
6	Select Demolition Kempton Street Culvert	1	LS	\$15,000.00	\$15,000.00
7	Select Demolition Bellingham Street Culvert	1	LS	\$20,000.00	\$20,000.00
8	Select Demolition Indian Street Culvert	1	LS	\$15,000.00	\$15,000.00
9	DBL 3'x4' Box Culvert W/Headwall	1	EA	\$70,000.00	\$70,000.00
10	3'x5' Box Culvert W/Headwall	2	EA	\$50,000.00	\$100,000.00
11	19"x30" Reinforced Concrete Pipe (ERCP)	120	LF	\$75.00	\$9,000.00
12	19"x30" RCP Mitered End Section (MES)	4	EA	\$1,850.00	\$7,400.00
13	12" Stabilized Subgrade	5,000	SY	\$8.00	\$40,000.00
14	8" Limerock Base	5,000	SY	\$20.00	\$100,000.00
15	1.5" SP-12.5 Asphalt	4,400	SY	\$7.00	\$30,800.00
16	Seed and Mulch	3,300	SY	\$1.25	\$4,125.00
17	Sod	1,000	SY	\$3.75	\$3,750.00
18	Signage and Striping	1	LS	\$5,000.00	\$5,000.00
19	Misc Restoration	1	LS	\$30,000.00	\$30,000.00
20					
21					
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37					
				SUBTOTAL	\$542,825.00
				Contingency (20%)	\$108,565.00
				SUBTOTAL WITH CONTINGENCY	\$651,390.00
				Consulting Fees (15%)	\$97,708.50
				Construction Fees (10%)	\$65,139.00
				Agency Permitting Fees	\$5,000.00
				TOTAL	\$819,237.50

Note:
 Unit prices shown in this opinion of probable cost are based on the following cost databases:
 *Florida Department of Transportation Historical Statewide Cost Information
 *Baskerville-Donovan, Inc. Historical Bid Tab Information

Holley by the Sea Drainage Improvement Program
Conceptual Improvement List

Conceptual Improvements, Prioritized by Score
Holley by the Sea Drainage Study

Project:	Cost:	Final Score
TKB 1: Basswood Drive Drainage Improvements	\$ 1,100,000	9
TKB 2: Glassport Street Drainage Improvements	\$ 325,000	3
TKB 3: Tom King Bayou East Branch Channel Restoration	\$ 6,700,000	17
TKB 4: Crescent Road Relief Pipeline	\$ 5,850,000	1
TKB 5: Freedom Ct South Channel Improvements	\$ 2,700,000	3
TKB 6: Freedom Ct North Channel Improvements	\$ 1,950,000	4
TKB 7: Tom King Bayou Middle Branch, North Channel Restoration	\$ 3,500,000	14
TKB 8: Tom King Bayou Middle Branch, South Channel Restoration	\$ 5,800,000	4
TKB 9: Tom King Bayou West Branch Channel Restoration	\$ 3,000,000	10
TKB 10: Sherwood Dr. Drainage Improvements	\$ 800,000	7
TKB 11: Camden Dr. Outfall Improvements	\$ 1,000,000	5
TKB 12: Federal Street Drainage Pipe	\$ 875,000	0
TKB 13: Citrus Dr. Drainage System Improvements	\$ 2,265,000	6
TKB 14: Broadmoor St. Outfall	\$ 2,300,000	2
TKB 15: Sunrise Drive Drainage Improvements	\$ 1,300,000	3
TKB 16: Sunrise Drive Entrance Improvements	\$ 530,000	1
TKB 17: Banyan Drive Drainage Area Improvements	\$ 490,000	5
EDN 1: West Ditch Improvements	\$ 800,000	3
EDN 2: Admiral St. N Drainage Improvements	\$ 650,000	2
EDN 3: Edgewood Dr. Drainage Improvements	\$ 630,000	1
EDN 4: Bluefish Rd Area Drainage System	\$ 1,650,000	2
EDN 5: East Bay Boulevard Culvert Upgrades	\$ 250,000	3
HDN 1: Brewster St. Outfall	\$ 1,800,000	3
HDN 2: Pepper Dr. Drainage System Improvements	\$ 1,100,000	2
WCE 1: Williams Creek East, South Channel Restoration	\$ 7,050,000	8
WCE 2: Williams Creek East, Northeast Channel Restoration	\$ 4,700,000	3
WCE 3: Williams Creek East, Northwest Channel Improvements	\$ 1,400,000	2
WCE 4: Leisure Street Drainage Improvements	\$ 9,765,000	1
WCW 1: Palmetto Drive Drainage System	\$ 1,835,000	10
WCW 2: Drainage System Improvements, Aurora St. to Resort St.	\$ 900,000	4
WCW 3: West Williams Creek Channel Restoration	\$ 1,150,000	12
WCW 4: Sandstone St. South Channel Improvements	\$ 260,000	2
NP1: Water Street Area Drainage Improvements	\$ 490,000	2
LE 1: Crittenden Drive Area Improvements	\$ 430,000	8

Project:	Cost:	Final Score:	Downstream Projects:	Combined Cost ¹ :
TKB 3: Tom King Bayou East Branch Channel Restoration	\$ 6,700,000	17	N/A	\$ 6,700,000
TKB 7: Tom King Bayou Middle Branch, North Channel Restoration	\$ 3,500,000	14	N/A	\$ 3,500,000
WCW 3: West Williams Creek Channel Restoration	\$ 1,150,000	12	N/A	\$ 1,150,000
WCW 1: Palmetto Drive Drainage System	\$ 1,835,000	10	WCW 3	\$ 2,985,000
TKB 9: Tom King Bayou West Branch Channel Restoration	\$ 3,000,000	10	N/A	\$ 3,000,000
TKB 1: Basswood Drive Drainage Improvements	\$ 1,100,000	9	TKB 3	\$ 7,800,000
WCE 1: Williams Creek East, South Channel Restoration	\$ 7,050,000	8	N/A	\$ 7,050,000
LE 1: Crittenden Drive Area Improvements	\$ 430,000	8	N/A	\$ 430,000
TKB 10: Sherwood Dr. Drainage Improvements	\$ 800,000	7	TKB 9	\$ 3,800,000
TKB 13: Citrus Dr. Drainage System Improvements	\$ 2,265,000	6	N/A	\$ 2,265,000
TKB 11: Camden Dr. Outfall Improvements	\$ 1,000,000	5	TKB 9	\$ 4,000,000
TKB 17: Banyan Drive Drainage Area Improvements	\$ 490,000	5	TKB 7	\$ 3,990,000
TKB 6: Freedom Ct North Channel Improvements	\$ 1,950,000	4	TKB 3	\$ 8,650,000
TKB 8: Tom King Bayou Middle Branch, South Channel Restoration	\$ 5,800,000	4	TKB 7	\$ 9,300,000
WCW 2: Drainage System Improvements, Aurora St. to Resort St.	\$ 900,000	4	N/A	\$ 900,000
TKB 5: Freedom Ct South Channel Improvements	\$ 2,700,000	3	TKB 3	\$ 9,400,000
TKB 15: Sunrise Drive Drainage Improvements	\$ 1,300,000	3	TKB 7	\$ 4,800,000
WCE 2: Williams Creek East, Northeast Channel Restoration	\$ 4,700,000	3	WCE 1	\$ 11,750,000
EDN 1: West Ditch Improvements	\$ 800,000	3	N/A	\$ 800,000
EDN 5: East Bay Boulevard Culvert Upgrades	\$ 250,000	3	N/A	\$ 250,000
HDN 1: Brewster St. Outfall	\$ 1,800,000	3	N/A	\$ 1,800,000
TKB 2: Glassport Street Drainage Improvements	\$ 325,000	3	TKB 11, TKB 9	\$ 4,325,000
WCE 3: Williams Creek East, Northwest Channel Improvements	\$ 1,400,000	2	WCE 1	\$ 8,450,000
WCW 4: Sandstone St. South Channel Improvements	\$ 260,000	2	WCW 3	\$ 1,410,000
EDN 2: Admiral St. N Drainage Improvements	\$ 650,000	2	N/A	\$ 650,000
EDN 4: Bluefish Rd Area Drainage System	\$ 1,650,000	2	N/A	\$ 1,650,000
HDN 2: Pepper Dr. Drainage System Improvements	\$ 1,100,000	2	N/A	\$ 1,100,000
NP 1: Water Street Area Drainage Improvements	\$ 490,000	2	N/A	\$ 490,000
TKB 14: Broadmoor St. Outfall	\$ 2,300,000	2	TKB 5, TKB 3	\$ 11,700,000
TKB 16: Sunrise Drive Entrance Improvements	\$ 530,000	1	N/A	\$ 530,000
WCE 4: Leisure Street Drainage Improvement:	\$ 9,765,000	1	WCE 1	\$ 16,815,000
EDN 3: Edgewood Dr. Drainage Improvements	\$ 630,000	1	N/A	\$ 630,000
TKB 4: Crescent Road Relief Pipeline	\$ 5,850,000	1	TKB 7	\$ 9,350,000
TKB 12: Federal Street Drainage Pipe	\$ 875,000	0	EDN 1	\$ 1,675,000

Key:

¹ Combined Cost is the sum of the projects cost and the costs of all necessary downstream projects.