



AGENDA
CITY OF ORMOND BEACH, FLORIDA
CITY COMMISSION WORKSHOP
June 4, 2024
5:30 PM

Mayor Bill Partington

Zone 1 - Commissioner Lori Tolland

Zone 3 - Commissioner Susan Persis

Zone 2 - Commissioner Travis Sargent

Zone 4 - Commissioner Harold Briley

COMMISSION CONFERENCE ROOM
22 South Beach Street, Ormond Beach, FL 32174
Phone: 386-677-0311 Web: www.ormondbeach.org

1. CALL TO ORDER

2. DISCUSSIONS

A. Capital Improvement Plan

Staff Contact: *Kelly McGuire, Finance Director, (386) 676-3226*

3. ADJOURNMENT

Website Address – www.ormondbeach.org

NOTICE – Pursuant to Section 286.0105 of the Florida Statutes, if any person decides to appeal any decision made by the City Commission with respect to any matter considered at this public meeting, such person will need a record of the proceedings and for such purpose, such person may need to ensure that a verbatim record of the proceedings is made, including the testimony and evidence upon which the appeal is to be based.



For special accommodations, please notify the City Clerk's Office at least 72 hours in advance.
Phone: 386-677-0311



Help for the hearing impaired is available through the Assistive Listening System. Receivers can be obtained from the City Clerk's Office.

In accordance with the Americans with Disabilities Act (ADA), persons with a disability, such as a vision, hearing or speech impairment, or persons needing other types of assistance, and who wish to attend City Commission meetings or any other board or committee meeting may contact the City Clerk's Office in writing, or may call 386-677-0311 for information regarding available aids and services.



City of Ormond Beach AGENDA ITEM

June 4, 2024 - City Commission

Number: 2.A

Section:	DISCUSSIONS		
Item Category:	City Commission Workshop	Res./Ord. No:	
Strategic Goal:	Governance - Other		
Department:	Finance		
Subject:	Capital Improvement Plan		
Summary:	<p>The Proposed Five-Year Capital Improvements Program (CIP) for the period FY 2024-25 through FY 2028-29 is required by Section 2-294 of the City Code of Ordinances. The Five-Year Capital Improvement Program totals \$164,740,318 with \$25,679,348 for FY 2024-25. Projects included in the CIP reflect one or more of the following factors with maintenance or upgrade of <u>existing facilities</u> being the highest priority:</p> <ul style="list-style-type: none"> • Involves necessary or planned maintenance, renovation or construction of an existing facility, equipment or infrastructure. • Reflects a prior multi-year commitment previously approved by the City Commission. • Enhances the use or appearance of an existing facility or City-maintained public area. • Included in a previous Master Plan or conceptual plan previously considered and endorsed or reviewed by the City Commission. <p>Property tax funded projects for General Capital Improvements, General Vehicle Replacements, Public Safety Vehicles, Facilities Renewal and Replacement, Leisure Service Capital and Transportation are proposed with funding levels consistent with the current Long-term Financial Plan.</p>		
Financial Impact:	Items will be included in the proposed FY 2024-25 budget as directed by the City Commission.		
Citizen Impact:	Projects included with the Capital Improvement Program provided improve the quality of life for Ormond Beach citizens.		

Recommended Action (Staff, Advisory Board and/or Other):	Staff is requesting direction on items to be included in the proposed FY 2024-25 budget.						
Staff Contact:	Kelly McGuire, Finance Director, (386) 676-3226						
Attachments:	1. Proposed CIP						
Approval:	<table border="0"> <tr> <td data-bbox="506 525 1006 583">Kelly McGuire, Finance Director</td> <td data-bbox="1006 525 1419 583">5/15/2024</td> </tr> <tr> <td data-bbox="506 583 1006 630">Claire Whitley, Assistant City Manager</td> <td data-bbox="1006 583 1419 630">5/24/2024</td> </tr> <tr> <td data-bbox="506 630 1006 688">Joyce Shanahan, City Manager</td> <td data-bbox="1006 630 1419 688">5/29/2024</td> </tr> </table>	Kelly McGuire, Finance Director	5/15/2024	Claire Whitley, Assistant City Manager	5/24/2024	Joyce Shanahan, City Manager	5/29/2024
Kelly McGuire, Finance Director	5/15/2024						
Claire Whitley, Assistant City Manager	5/24/2024						
Joyce Shanahan, City Manager	5/29/2024						

City of Ormond Beach Proposed Capital Improvement Plan



FY 2024-25 through FY 2028-29



CITY OF ORMOND BEACH

May 17, 2024

Honorable Mayor Partington, City Commissioners and the Citizens of Ormond Beach

Enclosed is the Proposed Five-Year Capital Improvements Program (CIP) for the period FY 2024-25 through FY 2028-29 as required by Section 2-294 of the City Code of Ordinances. The Five-Year Capital Improvement Program totals \$164,740,318 with \$25,679,348 for FY 2024-25.

Projects included in the CIP reflect one or more of the following factors with maintenance or upgrade of existing facilities being the highest priority:

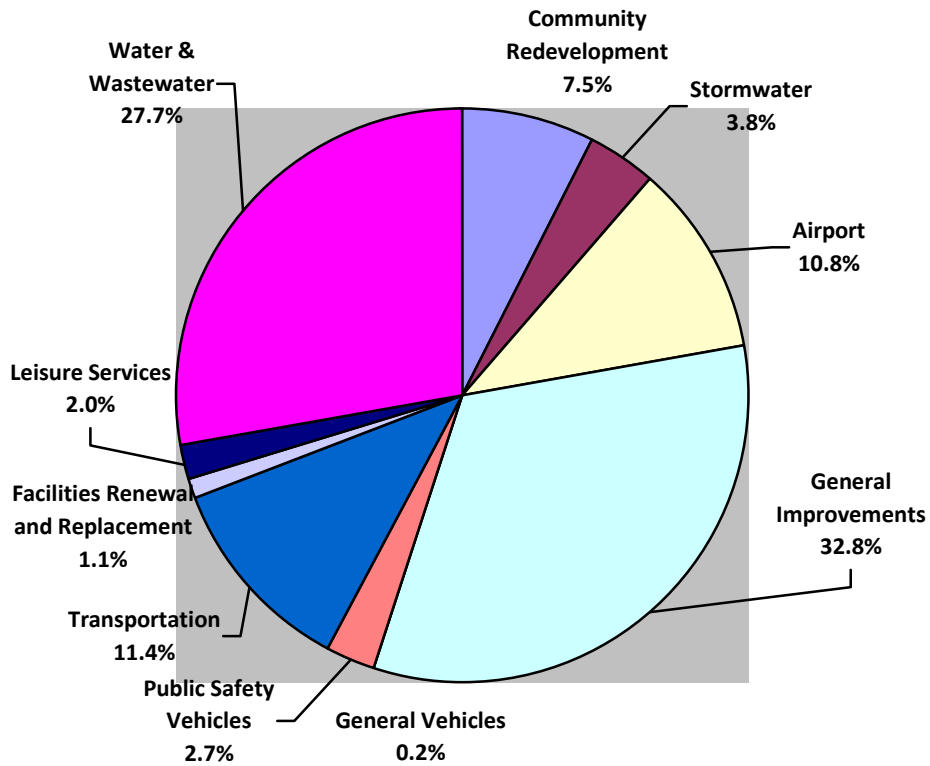
- Involves necessary or planned maintenance, renovation or construction of an existing facility, equipment or infrastructure.
- Reflects a prior multi-year commitment previously approved by the City Commission.
- Enhances the use or appearance of an existing facility or City-maintained public area.
- Included in a previous Master Plan or conceptual plan previously considered and endorsed or reviewed by the City Commission.

Property tax funded projects for General Capital Improvements, General Vehicle Replacements, Public Safety Vehicles, Facilities Renewal and Replacement, Leisure Service Capital and Transportation are proposed with funding levels consistent with the current Long-term Financial Plan.

Overview

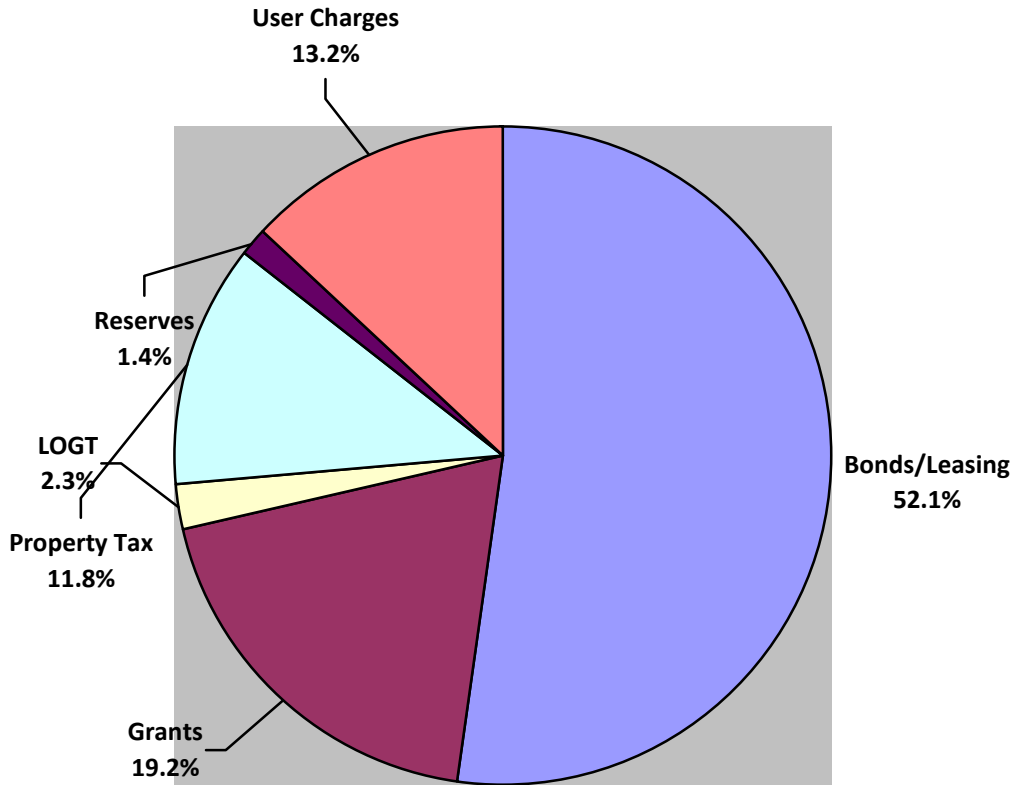
The City's Five-Year Capital Improvements Program represents a substantial effort to identify and schedule capital investments for a multi-year period complete with a project description, justification and recommended financing for each project.

Expenditures



Category	Total
Community Redevelopment	\$12,362,989
Stormwater	6,305,000
Airport	17,808,022
General Improvements	54,044,000
General Vehicles	272,000
Public Safety Vehicles	4,433,000
Transportation	18,789,795
Facilities Renewal and Replacement	1,879,000
Leisure Services	3,300,000
Water & Wastewater	45,546,512
TOTAL	\$164,740,318

Revenues



Category	Total
Bonds/Leasing	\$85,863,642
Grants	31,627,679
Local Options Gas Tax	3,750,000
Property Tax	19,505,972
Reserves	2,269,025
User Charges	21,724,000
TOTAL	\$164,740,318

FY 2024-25 CIP Projects

Fund 104-Community Redevelopment

Downtown improvements are funded through property tax revenue which is expendable only within the downtown area. For FY 2024-25 the primary Public Art initiative (\$100,000) and the annual allocation to Upgrades and Improvements (\$120,000).

Fund 107-Stormwater Drainage Improvements

FY 2024-25 projects the continuation of the Stormwater Piping Replacement project (\$250,000), Stormwater Construction (\$950,000) and Vehicle Replacements (\$305,000).

Fund 108-Airport Fund

Design for the Airport Infrastructure Project (\$211,570), Airport Remarking and Pavement Project (\$780,879), Airport Access Roads construction (\$2,102,037) and Airport Wildlife Mitigation and Security (\$58,500) are planned.

Fund 301-General Improvement Fund

Projects included for FY 2024-25 are Military Boulevard Sidewalks partially funded by CDBG funds (\$274,000), Engineering Renovation (\$250,000), Fleet Fuel Island Canopy (\$700,000), Police Station/EOC Design (\$2,900,000) and Data Center Infrastructure (\$800,000).

Fund 302-General Vehicle and Equipment Replacement

The FY 2024-25 plan includes the replacement of two Public Works vehicles, three Leisure Service vehicles, and two Engineering Vehicles (\$272,000).

Fund 305-Public Safety Vehicle and Equipment Replacement

The FY 2024-25 plan includes the replacement of six Patrol Vehicles and three Special Unit vehicles (\$533,000).

Fund 308-Transportation

Transportation projects include Neighborhood Traffic Calming (\$50,000), Railroad Crossings (\$200,000), Road Rehabilitation (\$750,000), Sidewalk Repairs & Replacements (\$112,000). Also proposed is the annual allocation for Street Light and Traffic Signal Maintenance (\$105,000).

Fund 317-Facility Renewal and Replacement

For FY 2024-25, projects include Central Park 3 Overlook (\$36,000), Fire Station 91 Playground Equipment Replacement (\$185,000), Fire Station bay floor and concrete (\$60,000), Fire Station 93 HVAC (\$40,000), Nova Magic Forest Playground Repairs (\$25,000), Nova Skate Park Hand Rails (\$25,000), Sanchez Fishing Pier Refurbishment (\$170,000) and Shell Parking Lot Refurbishment (\$51,000). ***Projects below the CIP threshold will be included as part of the annual operating budget.***

Fund 322-Leisure Service Capital

The funding provided for FY 2024-25 will be utilized to reconstruct OBSC Softball Fields, replace shade structure and fencing (\$800,000) and technical engineering for Nova Field #1 (\$100,000).

408-Water & Wastewater Vehicle and Equipment Replacement

The FY 2024-25 plan includes the replacement of three large trucks. (\$850,000).

Fund 409-Water and Wastewater System Improvements

Annual recurring projects totaling \$3.6 million include Fire Hydrant & Valve Expansion Program, General Facility and System Upgrades, Lift Station Rehabilitation, Manhole Rehabilitation Program Meter Installation, PEP Tank Replacement and Sanitary Sewer Inflow Infiltration. Non-recurring projects totaling \$7.9 million include design for several projects: Halifax River Utility Crossing, Water Main Replacement, RWM Extension Reuse Reservoir, and WRF Filter Modifications.



Projects by Funding Source

Page #	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
104-TIF						
EXPENDITURE						
25 Downtown: Public Art	100,000	100,000	100,000	100,000	0	400,000
26 Downtown: Upgrades and Improve	120,000	60,000	60,000	60,000	0	300,000
27 Downtown Community Center	0	500,000	0	0	7,118,000	7,618,000
28 Downtown: Traffic calming	0	100,000	0	0	0	100,000
29 Downtown: Stormwater Improvements	0	0	1,100,000	0	0	1,100,000
31 Downtown: Thompson Creek, Phase I	0	0	624,716	2,220,273	0	2,844,989
TOTAL EXPENDITURES	220,000	760,000	1,884,716	2,380,273	7,118,000	12,362,989
FUNDING						
Grant	0	500,000	0	0	0	500,000
Property Taxes-TIF	220,000	260,000	1,022,472	382,028	7,118,000	9,002,500
Stormwater Charges	0	0	300,000	0	0	300,000
TPO (Grant Pending)	0	0	562,244	1,998,245	0	2,560,489
TOTAL FUNDING	220,000	760,000	1,884,716	2,380,273	7,118,000	12,362,989

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107-Stormwater

EXPENDITURE

33 Stormwater Construction	250,000	250,000	250,000	250,000	250,000	1,250,000
34 Stormwater Piping	950,000	950,000	950,000	950,000	950,000	4,750,000
38 Vehicle Replacement-Stormwater	305,000	0	0	0	0	305,000
TOTAL EXPENDITURES	1,505,000	1,200,000	1,200,000	1,200,000	1,200,000	6,305,000

FUNDING

Stormwater Charges	1,505,000	1,200,000	1,200,000	1,200,000	1,200,000	6,305,000
TOTAL FUNDING	1,505,000	1,200,000	1,200,000	1,200,000	1,200,000	6,305,000

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108-Airport

EXPENDITURE

43 Airport Access Infrastructure Project	211,570	2,107,652	0	0	0	2,319,222
46 Airfield Remarketing and Pavement Rej	780,879	0	0	0	0	780,879
49 Airport Access Roads	2,102,037	0	0	0	0	2,102,037
51 Airport Wildlife Mitigation & Security	58,500	2,762,500	242,500	0	0	3,063,500
53 Airport Master Plan Update	0	250,000	0	0	0	250,000
54 Airport Tower Handrail Replacement	0	60,000	0	0	0	60,000
55 Rehabilitate Taxiway Bravo Apron & R	0	2,500,000	0	0	0	2,500,000
57 Airport Perimeter Security Fence	0	0	244,580	5,523,524	0	5,768,104
59 Rehabilitate, Mark and Light Taxiway "	0	0	0	150,000	814,280	964,280
TOTAL EXPENDITURES	3,152,986	7,680,152	487,080	5,673,524	814,280	17,808,022

FUNDING

Airport Fund	536,801	849,076	53,392	113,470	16,286	1,569,025
FAA	313,839	4,961,250	220,122	5,106,172	732,852	11,334,235
FDOT	1,829,846	1,119,826	213,566	453,882	65,142	3,682,262
FDOT Special Appropriation	472,500	0	0	0	0	472,500
FL State Appropriations	0	750,000	0	0	0	750,000
TOTAL FUNDING	3,152,986	7,680,152	487,080	5,673,524	814,280	17,808,022

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301-General Improvement Fund

EXPENDITURE

61 CDBG Military Boulevard West/East S	274,000	0	0	0	0	274,000
63 Engineering Planning Renovation	250,000	0	0	0	0	250,000
64 Fleet Fuel Island Canopy	700,000	0	0	0	0	700,000
65 Police Station / EOC	2,900,000	24,000,000	24,000,000	0	0	50,900,000
67 Data Center Infrastructure	800,000	0	0	0	0	800,000
68 Station Alerting	0	240,000	0	0	0	240,000
69 City Hall Access Control	0	0	100,000	0	0	100,000
70 Fire Station 92 Generators	0	0	125,000	0	0	125,000
71 Network and Security Assessment	0	0	35,000	0	0	35,000
72 Fiber Optic Connectivity	0	0	0	620,000	0	620,000
TOTAL EXPENDITURES	4,924,000	24,240,000	24,260,000	620,000	0	54,044,000

FUNDING

Bonds	1,450,000	24,000,000	24,000,000	0	0	49,450,000
CDBG	151,828	0	0	0	0	151,828
Financing	800,000	0	0	0	0	800,000
General Fund Reserves	700,000	0	0	0	0	700,000
Legislative Funding	1,450,000	0	0	0	0	1,450,000
Property Taxes - Transportation	122,172	0	0	0	0	122,172
Property Taxes-General CIP	250,000	240,000	260,000	620,000	0	1,370,000
TOTAL FUNDING	4,924,000	24,240,000	24,260,000	620,000	0	54,044,000

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302-General Vehicle Replacement Fund

EXPENDITURE

75 Vehicle Replacement-General	272,000	0	0	0	0	272,000
TOTAL EXPENDITURES	272,000	0	0	0	0	272,000

FUNDING

Property Taxes-Vehicles	272,000	0	0	0	0	272,000
TOTAL FUNDING	272,000	0	0	0	0	272,000

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305-Public Safety Vehicle & Equipment Fund

EXPENDITURE

79 Vehicle Replacement-Public Safety	533,000	500,000	500,000	500,000	500,000	2,533,000
81 Quint Fire Apparatus	0	0	0	0	1,900,000	1,900,000
TOTAL EXPENDITURES	533,000	500,000	500,000	500,000	2,400,000	4,433,000

FUNDING

Lease Purchase	0	0	0	0	1,900,000	1,900,000
Property Taxes-Public Safety	533,000	500,000	500,000	500,000	500,000	2,533,000
TOTAL FUNDING	533,000	500,000	500,000	500,000	2,400,000	4,433,000

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308-Transportation

EXPENDITURE

83 Neighborhood Traffic Calming	50,000	50,000	50,000	50,000	50,000	250,000
84 Railroad Crossing	200,000	200,000	200,000	200,000	200,000	1,000,000
85 Road Rehabilitation	750,000	750,000	750,000	750,000	750,000	3,750,000
92 Sidewalk Repair and Replacement	112,000	112,000	112,000	112,000	112,000	560,000
93 Street Light Maintenance	25,000	25,000	25,000	25,000	25,000	125,000
94 Traffic Signal Maintenance	80,000	84,000	88,200	92,600	97,500	442,300
95 Pineland Trail Roadway Improvement	0	0	0	7,152,353	0	7,152,353
98 US 1 North Sidewalk	0	0	0	2,413,781	3,096,361	5,510,142
TOTAL EXPENDITURES	1,217,000	1,221,000	1,225,200	10,795,734	4,330,861	18,789,795

FUNDING

Bonds	0	0	0	3,060,169	3,096,361	6,156,530
Local Option Gas Tax	750,000	750,000	750,000	750,000	750,000	3,750,000
Property Taxes - Transportation	467,000	471,000	475,200	479,600	484,500	2,377,300
River to Sea TPO Grant Funding (pending)	0	0	0	4,770,315	0	4,770,315
TPO Grant (pending)	0	0	0	1,735,650	0	1,735,650
TOTAL FUNDING	1,217,000	1,221,000	1,225,200	10,795,734	4,330,861	18,789,795

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317-Facilities Renewal and Replacement

EXPENDITURE

101 Central Park 3 Overlook Replacement	36,000	0	0	0	0	36,000
103 Fire Station 91 Playground Replacem	185,000	0	0	0	0	185,000
104 Fire Station bay floor and concrete re	60,000	60,000	0	0	0	120,000
105 Fire Station 93 HVAC installation	40,000	0	0	0	0	40,000
106 Nova Magic Forest Playground Repair	25,000	0	0	0	0	25,000
107 Nova Skate Park Hand Rails	25,000	0	0	0	0	25,000
108 Sanchez Fishing Pier	170,000	0	0	0	0	170,000
110 Shell Parking lot	51,000	51,000	51,000	51,000	51,000	255,000
111 OBSC Playground Replacement	0	115,000	0	0	0	115,000
112 Riviera Park Fishing Pier	0	250,000	0	0	0	250,000
113 Bailey Riverbridge Garden Fishing Pie	0	0	140,000	0	0	140,000
114 Central Park II Playground Equipment	0	0	130,000	0	0	130,000
115 Nova Magic Forest Repairs	0	0	58,000	0	0	58,000
116 Nova Recreation Batting Cage Repair	0	0	0	30,000	0	30,000
117 OBSC Limitless Playground Phase II	0	0	0	100,000	0	100,000
118 OBSC Shade Structure Supports	0	0	0	75,000	0	75,000
119 SONC Ballfield Renovations	0	0	0	125,000	0	125,000
TOTAL EXPENDITURES	592,000	476,000	379,000	381,000	51,000	1,879,000

FUNDING

Property Taxes-Facilities R&R	592,000	476,000	379,000	381,000	51,000	1,879,000
TOTAL FUNDING	592,000	476,000	379,000	381,000	51,000	1,879,000

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322-Leisure Services Capital Fund

EXPENDITURE

121 OBSC Softball Field Reconstruction	800,000	0	0	0	0	800,000
123 Nova Field #1 Relocation	100,000	900,000	500,000	0	0	1,500,000
124 Central Park Trail Systems	0	0	0	1,000,000	0	1,000,000
TOTAL EXPENDITURES	900,000	900,000	500,000	1,000,000	0	3,300,000

FUNDING

Echo Grant	400,000	450,000	0	500,000	0	1,350,000
Property Taxes-LS	500,000	450,000	500,000	500,000	0	1,950,000
TOTAL FUNDING	900,000	900,000	500,000	1,000,000	0	3,300,000

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408-Water and Wastewater Vehicle Repl.

EXPENDITURE

127 Vehicle Replacement-Water & WWW	850,000	0	0	0	0	850,000
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TOTAL EXPENDITURES	850,000	0	0	0	0	850,000
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FUNDING

Water & Sewer Charges	850,000	0	0	0	0	850,000
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TOTAL FUNDING	850,000	0	0	0	0	850,000
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409-Water and Wastewater R and R (Annual)

EXPENDITURE

131 Fire Hydrant and Valve Expansion Pro	175,000	175,000	175,000	175,000	175,000	875,000
132 General Facility and System Upgrade	850,000	850,000	850,000	850,000	850,000	4,250,000
133 Lift Station Rehabilitation	1,383,362	600,000	600,000	600,000	0	3,183,362
135 Manhole Rehabilitation Program	150,000	150,000	150,000	150,000	150,000	750,000
136 Meter Installation	420,000	270,000	170,000	170,000	170,000	1,200,000
137 Pretreatment Effluent Pump Replace	300,000	300,000	300,000	300,000	300,000	1,500,000
139 Sanitary Sewer Inflow Infiltration	300,000	300,000	300,000	300,000	300,000	1,500,000
TOTAL EXPENDITURES	3,578,362	2,645,000	2,545,000	2,545,000	1,945,000	13,258,362

FUNDING

Bonds	1,383,362	0	0	0	0	1,383,362
Water & Sewer Charges	2,195,000	2,645,000	2,545,000	2,545,000	1,945,000	11,875,000
TOTAL FUNDING	3,578,362	2,645,000	2,545,000	2,545,000	1,945,000	13,258,362

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409-Water and Wastewater R and R (Capital)

EXPENDITURE

142 Halifax River Utility Crossing	480,000	5,680,000	0	0	0	6,160,000
152 Water Main Replacement	300,000	0	0	0	0	300,000
154 Reuse Reservoir	6,680,000	0	0	0	0	6,680,000
155 WRF Filter Modifications	475,000	5,100,000	0	0	0	5,575,000
165 Existing Wellfield Repairs	0	0	151,400	1,778,750	0	1,930,150
166 North US1 Utility Adjustments	0	0	300,000	3,100,000	0	3,400,000
167 Pep Tank Elimination Phase 1	0	0	400,000	5,750,000	0	6,150,000
169 Public Works Management Site Upgra	0	0	0	0	270,000	270,000
170 Public Works Generator	0	0	0	0	255,000	255,000
171 Public Works Renovation	0	0	0	0	338,000	338,000
TOTAL EXPENDITURES	7,935,000	10,780,000	851,400	10,628,750	863,000	31,058,150

FUNDING

Bond Proceeds	4,765,000	10,780,000	0	10,628,750	0	26,173,750
SJRWMD	1,670,000	0	0	0	0	1,670,000
State General Appropriation	1,200,000	0	0	0	0	1,200,000
Water & Sewer Charges	300,000	0	851,400	0	863,000	2,014,400
TOTAL FUNDING	7,935,000	10,780,000	851,400	10,628,750	863,000	31,058,150

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434-Water Impact Fees

EXPENDITURE

173 Utility Master Plan Update	0	380,000	0	0	0	380,000
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TOTAL EXPENDITURES	0	380,000	0	0	0	380,000
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FUNDING

Wastewater Impact Fees	0	190,000	0	0	0	190,000
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Water Impact Fees	0	190,000	0	0	0	190,000
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TOTAL FUNDING	0	380,000	0	0	0	380,000
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499-Water and Wastewater R and R (West Ormond)

EXPENDITURE

175 West Ormond Utilities Airport Rd FM	275,000	3,059,500	0	0	0	3,334,500
177 West Ormond Utilities Area A WM FM	200,000	2,550,000	0	0	0	2,750,000
179 West Ormond Utilities Potable Tank a	375,000	5,025,000	0	0	0	5,400,000
181 West Ormond Utilities WRF	6,500,000	37,250,000	37,250,000	0	0	81,000,000
182 West Ormond Utilities WRF Site Impr	1,700,000	0	0	0	0	1,700,000
183 West Ormond Utilities SR40 Parallel	0	225,000	2,880,000	0	0	3,105,000
185 West Ormond Utilities - New Rima W	0	0	300,000	3,007,500	0	3,307,500
187 West Ormond Utilities WTP Evaluatio	0	0	300,000	0	0	300,000
189 West Ormond Utilities Hand Ave FM	0	0	0	300,000	4,020,000	4,320,000
191 West Ormond Utilities WTP	0	0	0	4,500,000	42,750,000	47,250,000
193 West Ormond Utilities - New Raw Wat	0	0	0	0	17,250,000	17,250,000

TOTAL EXPENDITURES	9,050,000	48,109,500	40,730,000	7,807,500	64,020,000	169,717,000
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FUNDING

Daytona Beach	1,990,000	10,353,000	9,450,000	0	0	21,793,000
To Be Determined	7,060,000	37,756,500	31,280,000	7,807,500	64,020,000	147,924,000

TOTAL FUNDING	9,050,000	48,109,500	40,730,000	7,807,500	64,020,000	169,717,000
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Page #	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Grand Total	34,729,348	98,891,652	74,562,396	43,531,781	82,742,141	334,457,318



104-COMMUNITY REDEVELOPMENT FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

Downtown: Public Art

PROJECT#

CATEGORY

Beautification

FUND

104-TIF

PROJECT LOCATION

Downtown CRA

MANAGEMENT

PROJECT SCOPE

Public Art Implementation Plan

JUSTIFICATION

The 2019 Downtown Master Plan contains an Arts & Culture theme with the mission to utilize art, social events and cultural and historic assets to enhance the shared feeling of community. The Downtown area has focus on infrastructure improvements on public property and grants on private property. The implementation plan seeks to develop a strategy to integrate art into the downtown area. A public art plan is underway and funding is allocated for the implementation of the Downtown public art plan.

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Public Art	100,000	100,000	100,000	100,000	0	400,000
Total	100,000	100,000	100,000	100,000	0	400,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-TIF	100,000	100,000	100,000	100,000	0	400,000
Total	100,000	100,000	100,000	100,000	0	400,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Downtown: Upgrades and Improvements

PROJECT#

104057

CATEGORY

Community Redevelopment

FUND

104-TIF

PROJECT LOCATION

Downtown CRA District

MANAGEMENT

Engineering

PROJECT SCOPE

This category provides the necessary enhancements of existing or proposed improvements within the redevelopment area. This would include, but not be limited to, mast arm and decorative light pole upgrades, decorative light pole and fixture purchase, installation and upgrade of, wood decking and handrails, landscape, irrigation, signage and other public improvements.

JUSTIFICATION

The 2007 adopted Downtown Master Plan (pages 26 and 30) identified the need to retain, replace and/ or upgrade the public infrastructure and hardscape improvements that have been invested in the Downtown. This project provides funding to make improvements to the existing infrastructure with the CRA District. Ormond MainStreet Design Committee are exploring options to make parking areas more accessible with walkway designs and updated signage.

PROJECT COST METHODOLOGY

Projects allocations and estimates are based on actual bids or quotations from past projects of similar scope of work.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Enhancements	120,000	60,000	60,000	60,000	0	300,000
Total	120,000	60,000	60,000	60,000	0	300,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-TIF	120,000	60,000	60,000	60,000	0	300,000
Total	120,000	60,000	60,000	60,000	0	300,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Downtown Community Center

PROJECT#

CATEGORY

Facility Construction and Renovation

FUND

104-TIF

PROJECT LOCATION

56 North Beach Street

MANAGEMENT

Engineering

PROJECT SCOPE

This project proposes engaging the services of a architect / planning consultant experienced in the design and public spaces and facilities to conduct a Needs Assessment & Land Use Study whose focus would be the highest and best use of the property located at 56 N. Beach Street. This project will produce a report detailing rooms sizes / areas/uses, general descriptions of the rooms and the requirements of those rooms, site and land use requirements of this property, as well as conceptual planning for this facility.

JUSTIFICATION

The Downtown Master Plan Update of 2019 identified the need for a community center/civic event plaza in the downtown to serve residents and visitors as a gathering space for community events and functions. In 2018 the City purchased a parcel of land in the downtown that is suitable for the center. This project will provide the necessary steps for a shovel ready project for a new Community Center.

PROJECT COST METHODOLOGY

Updated cost estimated prepared for 56 North Beach Street feasibility study.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	500,000	0	0	0	500,000
Construction	0	0	0	0	7,118,000	7,118,000
Total	0	500,000	0	0	7,118,000	7,618,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Grant	0	500,000	0	0	0	500,000
Property Taxes-TIF	0	0	0	0	7,118,000	7,118,000
Total	0	500,000	0	0	7,118,000	7,618,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Downtown: Traffic calming

PROJECT#

104078

CATEGORY

Community Redevelopment

FUND

104-TIF

PROJECT LOCATION

CRA

MANAGEMENT

Engineering/Planning

PROJECT SCOPE

Implement traffic calming techniques throughout the CRA, including side streets

JUSTIFICATION

A common theme throughout the Downtown master plan update was the need to provide additional traffic calming measures. Under the Sense of Place & Appearance theme in the master plan, traffic calming and walkability enhancements were identified top priorities. FY22-23 seeks the installation of four radar feed back signs, two at each end of the Granada Bridge. The item is budgeted as an outer year project with specific improvements to be determined in the capital year which the expenditures would occur.

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Traffic calming	0	100,000	0	0	0	100,000
Total	0	100,000	0	0	0	100,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-TIF	0	100,000	0	0	0	100,000
Total	0	100,000	0	0	0	100,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Downtown: Stormwater Improvements

PROJECT#

104044

CATEGORY

Community Redevelopment

FUND

104-TIF

PROJECT LOCATION

Downtown CRA

MANAGEMENT

Engineering

PROJECT SCOPE

Implement recommendations of study for stormwater improvements

JUSTIFICATION

The 2007 adopted Downtown Master Plan (pages 15, 27, 31, 32) stated a need to evaluate storm water needs and implement a program of off-line retention where practical to support intensive redevelopment of existing sites. With the assistance of consultant, a Stormwater Master Plan for the Downtown CRA was developed which allowed for the issuance of a conceptual permit for work in the CRA being granted by the St. Johns River Water Management Project. Recent activity in redevelopment of the CRA indicates that the area that may receive the most and earliest impact from a construction project would be the River District, north of Granada and lying between North Beach Street and Ridgewood Avenue. Phase 1 of this project was budgeted and completed in the most recent FY allowing for stormwater treatment for future redevelopment of the north side of New Britain Avenue as well as the construction of a passive park on Lincoln Avenue. This second project involves the construction of an exfiltration system within the New Britain Right of way which provides treatment for the redevelopment of the New Britain Avenue roadway, as well as properties south of New Britain. Costs do not include the acquisition of property and/or easements however it is anticipated that providing credit in the form of stormwater capacity from the regional stormwater facility will offset a large portion of obtaining land rights. The proposed second project is proposed to occur in two phases with infrastructure construction scheduled to occur in the first phase (2018/19) and landscape and hardscape improvements to complete the project in its second phase (2019/2020).

PROJECT COST METHODOLOGY

Historic Cost Data (Lincoln Stormwater Park, Andy Romano Park / John Anderson Drive Improvements).

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction -Phase 2	0	0	1,100,000	0	0	1,100,000
Total	0	0	1,100,000	0	0	1,100,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Downtown: Stormwater Improvements

104044

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-TIF	0	0	800,000	0	0	800,000
Stormwater Charges	0	0	300,000	0	0	300,000
Total	0	0	1,100,000	0	0	1,100,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Downtown: Thompson Creek, Phase II

PROJECT#

104046

CATEGORY

Transportation

FUND

104-TIF

PROJECT LOCATION

Thompson Creek

MANAGEMENT

Planning & Engineering

PROJECT SCOPE

10 foot wide multi-use path from Division to Wilmette.

JUSTIFICATION

The Thompson Creek Multi-Use path is contained in the adopted Downtown Plan and Multi-Modal Plan, and the proposed 2016 Bike Plan. The path is 6000 linear feet more or less of pavement and decking with a crossing at Granada Boulevard. The City approved Resolution 2016-43 requesting a feasibility study from the River to Sea Transportation Planning Organization (R2CTPO). This feasibility study provided for an alternate that allows for crossing Granada Blvd. at Orchard Street. This project has been submitted to the R2CTPO for funding due to higher rated projects. The City will provide a match of 10% towards the design and construction costs.

PROJECT COST METHODOLOGY

This project is partly funded from Transportation fund for the portion of the trail that runs from Wilmette Avenue to Division Avenue and remainder is funded from the River to Sea Transportation Planning Organization (R2CTPO). The proposed trail is 6,000 linear feet. The portion of the trail in the Downtown CRA is from Lincoln Avenue to Tomoka Avenue. Costs estimates were obtained by using FDOT LRE for bike facilities and comparing said costs to similar trail projects including SR 40 sidewalk project (Phase 1 and 3) and the Tomoka State Park Trail.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	0	624,716	2,220,273	0	2,844,989
Total	0	0	624,716	2,220,273	0	2,844,989

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
TPO (Grant Pending)	0	0	562,244	1,998,245	0	2,560,489
Property Taxes-TIF	0	0	62,472	222,028	0	284,500
Total	0	0	624,716	2,220,273	0	2,844,989

107-STORMWATER FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

Stormwater Construction

PROJECT#

CATEGORY

Stormwater Improvements

FUND

107-Stormwater

PROJECT LOCATION

City wide

MANAGEMENT

Engineering

PROJECT SCOPE

Construction of various stormwater facilities

JUSTIFICATION

The Stormwater Master Plan recommended many different construction projects, this annual project seeks to construct those projects in a timely fashion.

PROJECT COST METHODOLOGY

Based on similar project costs

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Stormwater Charges	250,000	250,000	250,000	250,000	250,000	1,250,000
Total	250,000	250,000	250,000	250,000	250,000	1,250,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Stormwater Piping

PROJECT#

107154

CATEGORY

Stormwater Improvements

FUND

107-Stormwater

PROJECT LOCATION

Stormwater Service Areas

MANAGEMENT

Engineering

PROJECT SCOPE

Rehabilitation of existing corrugated metal storm piping throughout the City that has been identified as failing due to corrosion and age.

JUSTIFICATION

Much of the City's older stormwater piping, which was installed in excess of 25 years ago, was constructed with corrugated metal piping. This piping has surpassed its design life expectancy and in many areas of the City has significantly corroded, especially along the river outfalls. Rainfall runoff from recent hurricanes resulted in increased flows and debris being conveyed through these pipes which also significantly contributed to the pipe's deterioration. In order to reduce impacts to roads and the public, this project intends to rehabilitate the storm pipes utilizing no-dig slip lining technology.

PROJECT COST METHODOLOGY

Estimate has been based on unit pricing for cured in place PVC lining as obtained from recent quotations for lining projects.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	950,000	950,000	950,000	950,000	950,000	4,750,000
Total	950,000	950,000	950,000	950,000	950,000	4,750,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Stormwater Charges	950,000	950,000	950,000	950,000	950,000	4,750,000
Total	950,000	950,000	950,000	950,000	950,000	4,750,000

FY 24-25	Material	Size (in)	Length (ft)	Units	Unit Price	Probable Construction	
						Cost	
75 Wye DR Mh to Inlet	CMP	12	47	LF	\$ 59.00	\$	2,773
74 to 75 WYE DR	CMP	12	34	LF	\$ 59.00	\$	2,006
Bosarvey & Coquina Dr	CMP	15	81	LF	\$ 69.00	\$	5,589
178 Bosarvey to 210 Bosarvey	CMP	15	387	LF	\$ 69.00	\$	26,703
Bosarvey & Lucky	CMP	18	41	LF	\$ 81.00	\$	3,321
Coquina Ct	CMP	15	245	LF	\$ 69.00	\$	16,905
6 Tanglewood North to 11	CMP	15	245	LF	\$ 69.00	\$	16,905
120 Cuardo Pl to 146 Pinion Cir	ACCMP	15	40	LF	\$ 69.00	\$	2,760
59 S Old Kings Rd to MES	ACCMP	36	610	LF	\$ 210.00	\$	128,100
River Pine Way, Northside East to Overbrook Dr	ACCMP	13x22	205	LF	\$ 105.00	\$	21,525
Wandering Oaks DR, Sherbourne Way to Parkside Way	ACCMP	15	189	LF	\$ 69.00	\$	13,041
N Washington, New Britain South to W Granada	CMP	15	288	LF	\$ 69.00	\$	19,872
Pinion Cit, 146 Pinion Cir to Colina Pl	ACCMP	15	240	LF	\$ 69.00	\$	16,560
Palmerro East to 789 Flamingo	CMP	24	710	LF	\$ 122.00	\$	86,620
Riverside Dr Wast to 53 Loyola	CMP	30	272	LF	\$ 167.00	\$	45,424
3 Boxwood Ct	ACCMP	12x18	220	LF	\$ 69.00	\$	15,180
105 to 121 Northbrook	CMP	14x23	318	LF	\$ 81.00	\$	25,758
602 Riverside Dr	CMP	12	419	LF	59	\$	24,721
136 Pinion Cir West to Marjorie Trl	ACCMP	24	252	LF	\$ 129.00	\$	32,508
6 Riverwood to JAD	CMP	15	138	LF	\$ 73.00	\$	10,074
1202 River Palm	ACCMP	30	212	LF	\$ 176.00	\$	37,312
1400 N Beach to Oak Forest	CMP	30	331	LF	\$ 176.00	\$	58,256
1502 N Beach to Oak Forest	CMP	36	317	LF	\$ 221.00	\$	70,057
1601 Oak Forest East to 1539	CMP	18	309	LF	\$ 86.00	\$	26,574
1300 N Beach East to Oak Forest Dr	CMP	30	316	LF	\$ 176.00	\$	55,616
28 Bellewood Cir South to 47 Standish	CMP	15	220	LF	\$ 73.00	\$	16,060
All of Forest Hills	CMP	15	600	LF	\$ 73.00	\$	43,800
324 Riverbluff	CMP	24	163	LF	\$ 129.00	\$	21,027
788 Flamingo	CMP	18	290	LF	\$ 81.00	\$	23,490
788 Flamingo	CMP	29x45	236	LF	\$ 221.00	\$	52,156
21-23 Ormond Green	ACCMP	29x45	155	LF	\$ 221.00	\$	34,255
						\$	954,948

FY 25-26	Material	Size (in)	Length (ft)	Units	Unit Price	Probable Construction	
						Cost	
N Beach St from Heather Ln to Sycamore Cir	ACCMP	24"	1180	LF	129	\$	152,220
Park View Lane to Park Meadow Cir	CMP	30"	582	LF	176	\$	102,432
N Beach St Red Cedar to Avenue La Vista	ACCMP	30"	420	LF	176	\$	73,920
Amsden Halifax to JAD	CMP	30"	658	LF	176	\$	115,808
Amsden Halifax to JAD	RCP	36"	896	LF	221	\$	198,016
Old Kings Rd behind Lionshead Dr	ACCMP	36"	627	LF	221	\$	138,567
Royal Palm Ave Halifax to Landmark Cir	CMP	36"	375	LF	221	\$	82,875
Royal Palm Ave Landmark Cir to JAD	CMP	30"	350	LF	176	\$	61,600
Oakmont Cir 54 to 48	CMP	21"	500	LF	129	\$	64,500
						\$	989,938

FY 26-27	Material	Size (in)	Length (ft)	Units	Probable Construction	
					Unit Price	Cost
Sterthaus Dr N Old Kings East	CMP	30"	360	LF	176 \$	63,360
Flamingo Dr Palmetto to Riverside Dr	CMP	24"	820	LF	129 \$	105,780
Flamingo Dr Palmetto to Riverside Dr	CMP	36"	820	LF	221 \$	181,220
776 Riverside Dr	CMP	30"	380	LF	176 \$	66,880
776 Riverside Dr	CMP	15	375	LF	69 \$	25,875
Red Bud Ln	ACCMP	24	430	LF	129 \$	55,470
Loyola Dr- Plametto East	CMP	24"	1040	LF	129 \$	134,160
Harvard Dr from Loyola Dr ro A1A	CMP	24"	410	LF	129 \$	52,890
S Center St from Oak Trl S to Hand Ave	CMP	24"	410	LF	129 \$	52,890
N Beach St from 772 to 792	CMP	30"	300	LF	176 \$	52,800
Baywood Dr from River Bluff Dr to Rio Pinar Dr	CMP	24"	410	LF	129 \$	52,890
N beach St from 862 to 832	CMP	30"	290	LF	176 \$	51,040
Airport Rd at Riverbend Park	PACCMP	48"	180	LF	295 \$	53,100
					\$	948,355

FY 27-28	Material	Size (in)	Length (ft)	Units	Probable Construction	
					Unit Price	Cost
Fleming Ave from Sauls St to Brooke Station Dr	CMP	30"	280	LF	176 \$	49,280.00
Loyola Dr from Kent Dr to Peninsula Dr	CMP	30"	280	LF	176 \$	49,280.00
Rio Ave from Oak Forest Dr to N Beach St	CMP	30"	270	LF	176 \$	47,520.00
Amsden Rd from 607 to 36	CMP	30"	260	LF	176 \$	45,760.00
John Anderson Dr at Neptune Ave	CMP	30"	260	LF	176 \$	45,760.00
Benjamin Dr behind 35 to 57	CMP	24"	350	LF	129 \$	45,150.00
Benjamin Dr behind 57 to 87	CMP	24"	350	LF	129 \$	45,150.00
Riverside Dr at 886	CMP	36"	200	LF	221 \$	44,200.00
N Beach St from 812 to 832	CMP	30"	250	LF	176 \$	44,000.00
Avenue Bonita from N Beach St to Oak Forest Dr	CMP	30"	250	LF	176 \$	44,000.00
Riverside Dr between 880 & 886	CMP	36"	200	LF	221 \$	44,200.00
John Anderson Dr between 608 to 614	CMP	36	190	LF	221 \$	41,990.00
Benjamin Dr between 35 and 675 Riverside Dr	CMP	36"	180	LF	221 \$	39,780.00
N Beach St from Alanwood Dr to Sanchez Ave	CMP	24"	310	LF	129 \$	39,990.00
Prairierview Ln between 8 & 10	ACCMP	36"	180	LF	221 \$	39,780.00
Riverside Dr between 666 & 676	CMP	24"	300	LF	129 \$	38,700.00
Fleming Ave from 391 to Charleston Square	CMP	36"	180	LF	221 \$	39,780.00
Greenvale Dr between 12 & 14	ACCMP	36"	180	LF	221 \$	39,780.00
River Palm Way from NorthSide Dr to Overbrook Dr	ACCMP	30"	220	LF	176 \$	38,720.00
Oak Forest Dr between 1331 & 1401	CMP	30"	220	LF	176 \$	38,720.00
Benjamin Dr Behind 167 to 195	CMP	24"	290	LF	129 \$	37,410.00
Oak Forest Dr between 1331 & 1401	CMP	30"	210	LF	176 \$	36,960.00
					\$	935,910.00

FY 28-29	Material	Size (in)	Length (ft)	Units	Probable Construction	
					Unit Price	Cost
Between Laurel Oaks Cir and Oak Brook Dr	CMP	24"	280	LF	129 \$	36,120.00
Greenvale Dr between 15 & 17	ACCMP	36"	170	LF	221 \$	37,570.00
Arroyo Pkwy from 428 to 424	CMP	36"	160	LF	221 \$	35,360.00
Northside Dr from 1319 to 1313	ACCMP	24"	270	LF	129 \$	34,830.00
Marjorie Trl between from Shelly Way to 28	PACCMP	24"	270	LF	129 \$	34,830.00
Ormond Green next to 22	ACCMP	36"	160	LF	221 \$	35,360.00
Oak Forest Dr between 1319 & 1317	CMP	24"	270	LF	129 \$	34,830.00
Arroyo Pkwy from 434 to 428	CMP	36"	160	LF	221 \$	35,360.00
Arroyo Pkwy from Orchard Av to Garden Ln	CMP	24"	270	LF	129 \$	34,830.00
Parque Dr between 450 & 488	CMP	30"	190	LF	176 \$	33,440.00
Marjorie Trl between 9 & 11	ACCMP	24"	260	LF	129 \$	33,540.00
Melrose Ave from 32 to N Beach St	CMP	24"	260	LF	129 \$	33,540.00
Arroyo Pkwy from 424 to Santa Fe Ave	CMP	36"	150	LF	221 \$	33,150.00
Woodridge Dr from Knollview Blvd to E River Oak Cir	CMP	24"	250	LF	129 \$	32,250.00
Woodridge Dr from E River Oak Cir 190 East	CMP	30"	190	LF	176 \$	33,440.00
Tomoka Ave at 148	CMP	24"	250	LF	129 \$	32,250.00
Palmetto Ave near Flamingo Dr	CMP	24"	250	LF	129 \$	32,250.00
Ormond Pkwy between 164 and 174	CMP	24"	250	LF	129 \$	32,250.00
N Beach St from Red Cedar Ct to Red Bud Ln	CMP	24"	250	LF	129 \$	32,250.00
Garden Ln from Arroyo Pkwy 713	CMP	24"	250	LF	129 \$	32,250.00
Arroyo Pkwy from Orchard Av to 434	CMP	36"	140	LF	221 \$	30,940.00
Overbrook Dr from 1206 to 1302	ACCMP	24"	240	LF	129 \$	30,960.00
Orchard Ave from 755 to Calle Grande St	CMP	24"	240	LF	129 \$	30,960.00
Oak Forest Dr between 1211 & 1301	CMP	42"	120	LF	258 \$	30,960.00
John Anderson Dr between 1084 & 1074	CMP	30"	180	LF	176 \$	31,680.00
River Bluff Dr between 136 & 200	CMP	36"	140	LF	221 \$	30,940.00
Ormond Green next to 22	ACCMP	36"	140	LF	221 \$	30,940.00
John Anderson Dr between 850 & 864	CMP	24"	230	LF	129 \$	29,670.00
River Ridge Trl between 29 & 31	CMP	24"	230	LF	129 \$	29,670.00
					\$	956,420.00

CAPITAL PROJECT DETAIL

PROJECT TITLE

Vehicle Replacement-Stormwater

PROJECT#

107VEH

CATEGORY

Vehicle and Equipment Replacement

FUND

107-Stormwater

PROJECT LOCATION

Various City Departments

MANAGEMENT

Fleet

PROJECT SCOPE

The project involves the continued implementation of a comprehensive vehicle replacement schedule for the City's fleet. Vehicles beyond the first year of the program will be evaluated at the appropriate time. These vehicles are being shown for scheduling purposes only and will not necessarily be replaced in the year shown.

JUSTIFICATION

The replacement schedule has been designed to replace vehicles which have been identified by the Fleet Manager as: 1) incurring the greatest maintenance expense over the life of the vehicle, 2) reaching or exceeding their expected life in terms of age, and 3) having relatively high mileage.

The benefits of the replacement program are reflected in the reduction of the City's Fleet Maintenance operating and labor costs, as well as lower vehicle downtime which in turn increases service availability to the community.

PROJECT COST METHODOLOGY

State contract pricing.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Vehicle Replacement	305,000	0	0	0	0	305,000
Total	305,000	0	0	0	0	305,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Stormwater Charges	305,000	0	0	0	0	305,000
Total	305,000	0	0	0	0	305,000

CIP Work Sheet FY 2024-25

Ford F350	2013	Stormwater	565	55,000
Gradall X	2006	Stormwater	276	250,000
Total Stormwater				305,000

Vehicle and Equipment Repair/Replacement Evaluation		
Vehicle: # 565	Evaluated by	Christine Jarrell, Garage Supervisor
Dept.3011 Stormwater	Supervisor:	Kevin M Gray, Deputy PW Director
	Points Assigned	Comments
Year of vehicle. One point assigned per year. Example: A 2000 vehicle would be assigned 21 points because it is 21 years old.	11	2013 Ford F350
Mileage or hours of use. One point is assigned for each 10,000 miles or 1,500 hours of operation. Example: A vehicle with 87,000 miles would receive 9 points as it is rounded up.	7	69,163 miles
General overall condition. This category takes into consideration body condition, rust, interior condition, anticipated repairs, etc. A scale from 1-5 is used, with 5 being an extremely poor...possibly unsafe condition.	3	Cab and body scratches all around body tail gate paint coming off. Engine and transmission have small oil leaks. Interior badly worn and dirty. Headlight lenses fading out.
Type of service. Points are assigned as either 1,3,or 5 depending on the type of use the vehicle had during most of its life. Example: A '5' would be assigned to vehicles that were utilized as patrol cars as that is considered severe service, while a staff car would be a '1'.	2	Stormwater
Reliability of vehicle. Points are assigned as 1-5 depending on the frequency that the vehicle is in the shop for repairs. A '5' should be assigned to a vehicle that is in the shop 3 or more times a month on average. A '1' would be used for once every 3 months or less.	1	Every couple of months or so.
Total operating cost. Points are assigned as 1,3,or 5 depending on the total cost per mile factor. This figure includes maintenance and operational costs in relation to other vehicles utilized for the same purpose.	2	Purchase Price \$21,336.00 \$13,990.38 LTD M&R 65% of Purchase Price Cost per mile \$.20
Have warranties expired?	yes	<input type="checkbox"/> Check if general overall condition can defer vehicle replacement
Total Points	26	(Shop Supervisor approval required)
28 + points		Needs immediate replacement
23-27 points	X	Condition is borderline
18-22 points		Condition is fair/good
Under 18 points		Condition is good/excellent



108-AIRPORT FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

Airport Access Infrastructure Project

PROJECT#

CATEGORY

Airport Improvements

FUND

108-Airport

PROJECT LOCATION

Airport

MANAGEMENT

Economic Development Director

PROJECT SCOPE

Design and Construction of roadways and utilities (water, sewer, fiber) into a city-owned airport parcel adjacent to the Airport Business Park.

JUSTIFICATION

This project will provide design, permitting, bidding and construction services for the Airport Access Infrastructure Project at the southwest quadrant of the airport. The project site is approximately 15 acres and is located in the southwest corner of the Airport, north of the planned Runway Drive extension. The project ultimately includes paving, grading and drainage for landside access, aeronautical, aviation manufacturing and light industrial site development. The project also includes site utilities (water, sewer, power, phone and data) and storm water permitting required by the St. John's River Water Management District (SJRWMD). The resulting new landside access opens this previously inaccessible portion of airport property for aeronautical, aviation manufacturing and light industrial use. The proposed project will provide shovel-ready sites available for expansion of the airport business park and enable development of additional manufacturing and related target industries within the City. State participation in this project has been requested in an effort to support the City's goal to make the airport self supporting by promoting growth and economic development at the airport. Additional state funds may be available to reduce the City's cost share for the construction phase of this project via programs such as the Florida Job Growth Grant Fund.

PROJECT COST METHODOLOGY

Cost estimates have been developed by City Staff in consultation with Zev Cohen and Associates.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design and Permitting	211,570	0	0	0	0	211,570
Construction	0	2,107,652	0	0	0	2,107,652
Total	211,570	2,107,652	0	0	0	2,319,222

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Airport Access Infrastructure Project

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Airport Fund	105,785	678,826	0	0	0	784,611
FDOT	105,785	678,826	0	0	0	784,611
FL State Appropriations	0	750,000	0	0	0	750,000
Total	211,570	2,107,652	0	0	0	2,319,222

CAPITAL PROJECT DETAIL

PROJECT TITLE

Airfield Remarkings and Pavement Rejuvenation

PROJECT#

CATEGORY

Airport Improvements

FUND

108-Airport

PROJECT LOCATION

Airport

MANAGEMENT

Airport Manager

PROJECT SCOPE

Surface preparation for re-marking, application of asphalt pavement rejuvenation compounds or seal coat and re-marking of airfield markings.

JUSTIFICATION

On February 8, 2024, during the annual airport safety and licensing inspection by FDOT, it was found that there were inconsistencies between the existing airfield markings and the current standards for airfield markings established by the FAA. As a result, staff was informed by FDOT that the airfield markings must be re-painted, added or removed as needed in order to comply with FAA standards. FAA funding participation is available for only the airport's primary runway and the taxiways that serve the primary runway. This project is considered a high priority by both FAA and FDOT because airport pavement markings provide key information to pilots that is needed to ensure safe operations during takeoff, landing and taxiing.

PROJECT COST METHODOLOGY

Project cost estimates provided by Hoyle, Tanner and Associates

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction & Construction	780,879	0	0	0	0	780,879
Total	780,879	0	0	0	0	780,879

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
FDOT	373,632	0	0	0	0	373,632
FAA	313,839	0	0	0	0	313,839
Airport Fund	93,408	0	0	0	0	93,408
Total	780,879	0	0	0	0	780,879

ENGINEER'S OPINION OF PROBABLE COST

Airport: Ormond Beach Municipal Airport

Project: **AIRFIELD REMARKING AND PAVEMENT REJUVENATION - CONSTRUCTION**

Project Item No.	Spec Item No.	Description	Unit	Quantity	Unit Cost	Cost
FEDERAL FUNDING ELIGIBLE						
BID SCHEDULE A - RUNWAY 9-27						
1	C-105-1	Mobilization (@10%)	LS	1	\$16,270.27	\$16,270.27
2	P-632-1	Asphalt Pavement Revivention	GAL	2,560	\$25.00	\$64,000.00
3	P-632-2	Surface Preparation	SY	33,370	\$1.00	\$33,370.00
4	P-632-3	Friction Test	LS	1	\$8,000.00	\$8,000.00
5	P-620-1	Surface Preparation for Re-Marking	SF	54,703	\$0.10	\$5,470.30
6	P-620-2	Runway/Taxiway Paint - White with Beads	SF	40,500	\$1.00	\$40,500.00
7	P-620-4	Runway/Taxiway Paint - Black	SF	14,203	\$0.80	\$11,362.40
Construciton Cost						\$178,972.97
Construction Administration						\$5,300.00
Total Bid Schedule A - Runway 9-27 Marking and Rejuvenation Project Cost						\$184,272.97
BID SCHEDULE C - Taxiway Alpha						
1	C-105-1	Mobilization (@10%)	LS	1	\$7,294.65	\$7,294.65
2	P-632-1	Asphalt Pavement Revivention	GAL	2,120	\$25.00	\$53,000.00
3	P-632-2	Surface Preparation	SY	27,600	\$1.00	\$27,600.00
4	P-620-1	Surface Preparation for Re-Marking	SF	46,523	\$0.10	\$4,652.30
5	P-620-3	Runway/Taxiway Paint - Yellow with Beads	SF	17,379	\$1.00	\$17,379.00
6	P-620-4	Runway/Taxiway Paint - Black	SF	29,144	\$0.80	\$23,315.20
Total Bid Schedule C - Taxiway Alpha Marking and Rejuvenation						\$133,241.15
Construction Administration						\$3,750.00
Total Bid Schedule C - Taxiway Alpha Marking and Rejuvenation Project Cost						\$136,991.15
BID SCHEDULE D - Taxiway Charlie						
1	C-105-1	Mobilization (@10%)	LS	1	\$2,154.22	\$2,154.22
2	P-632-1	Asphalt Pavement Revivention	GAL	450	\$25.00	\$11,250.00
3	P-632-2	Surface Preparation	SY	4,900	\$1.00	\$4,900.00
4	P-620-1	Surface Preparation for Re-Marking	SF	5,522	\$0.10	\$552.20
5	P-620-3	Runway/Taxiway Paint - Yellow with Beads	SF	2,112	\$1.00	\$2,112.00
6	P-620-4	Runway/Taxiway Paint - Black	SF	3,410	\$0.80	\$2,728.00
Construciton Cost						\$23,696.42
Construction Administration						\$3,750.00
Total Bid Schedule D - Taxiway Charlie Marking and Rejuvenation Project Cost						\$27,446.42

TOTAL	\$348,710.54
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FAA & FDOT Funding	
FAA (90%)	\$313,839.49
FDOT (8%)	\$27,896.84
Local (2%)	\$6,974.21

FEDERAL FUNDING INELIGIBLE						
BID SCHEDULE B - RUNWAY 17-35						
1	C-105-1	Mobilization (@10%)	LS	1	\$21,141.50	\$21,141.50
2	P-632-1	Asphalt Pavement Revivention	GAL	3,400	\$25.00	\$85,000.00
3	P-632-2	Surface Preparation	SY	44,350	\$1.00	\$44,350.00
4	P-632-3	Friction Test	LS	1	\$8,000.00	\$8,000.00
5	P-620-1	Surface Preparation for Re-Marking	SF	54,750	\$0.10	\$5,475.00
6	P-620-2	Runway/Taxiway Paint - White with Beads	SF	54,750	\$1.00	\$54,750.00
7	P-620-4	Runway/Taxiway Paint - Black	SF	17,300	\$0.80	\$13,840.00
Construciton Cost						\$232,556.50
Construction Administration						\$5,300.00
Total Bid Schedule B - Runway 17-35 Marking and Rejuvenation Project Cost						\$237,856.50
BID SCHEDULE E - Taxiway Echo						
1	C-105-1	Mobilization (@10%)	LS	1	\$3,875.50	\$3,875.50
2	P-632-1	Asphalt Pavement Revivention	GAL	500	\$25.00	\$12,500.00
3	P-632-2	Surface Preparation	SY	9,600	\$1.00	\$9,600.00
4	P-620-1	Surface Preparation for Re-Marking	SF	17,050	\$0.10	\$1,705.00
5	P-620-3	Runway/Taxiway Paint - Yellow with Beads	SF	6,550	\$1.00	\$6,550.00
6	P-620-4	Runway/Taxiway Paint - Black	SF	10,500	\$0.80	\$8,400.00
Construciton Cost						\$42,630.50
Construction Administration						\$3,750.00
Total Bid Schedule E - Taxiway Echo Rejuvenation and Marking Project Cost						\$46,380.50
BID SCHEDULE F - Taxiway Foxtrot						
1	C-105-1	Mobilization (@10%)	LS	1	\$2,327.10	\$2,327.10
2	P-632-1	Asphalt Pavement Revivention	GAL	400	\$25.00	\$10,000.00
3	P-632-2	Surface Preparation	SY	5,350	\$1.00	\$5,350.00
4	P-620-1	Surface Preparation for Re-Marking	SF	8,110	\$0.10	\$811.00
5	P-620-3	Runway/Taxiway Paint - Yellow with Beads	SF	3,110	\$1.00	\$3,110.00
6	P-620-4	Runway/Taxiway Paint - Black	SF	5,000	\$0.80	\$4,000.00
Construciton Cost						\$25,598.10
Construction Administration						\$3,750.00
Total Bid Schedule F - Taxiway Foxtrot Rejuvenation and Marking Project Cost						\$29,348.10
BID SCHEDULE G - Taxiway Golf						
1	C-105-1	Mobilization (@10%)	LS	1	\$10,439.40	\$10,439.40
2	P-101-1	General Demolition	LS	1	\$3,000.00	\$3,000.00
3	P-608-1	Emulsified Asphalt Seal Coat	SY	28,147	\$2.00	\$56,294.00
4	P-620-1	Surface Preparation for Re-Marking	SF	46,000	\$0.10	\$4,600.00
5	P-620-3	Runway/Taxiway Paint - Yellow with Beads	SF	18,500	\$1.00	\$18,500.00
6	P-620-4	Runway/Taxiway Paint - Black	SF	27,500	\$0.80	\$22,000.00
Construction Cost						\$114,833.40
Construction Administration						\$3,750.00
Total Bid Schedule G - Taxiway Golf Rejuvenation and Marking Project Cost						\$118,583.40

TOTAL	\$432,168.50
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FDOT Only Funding	
FDOT (80%)	\$345,734.80
Local (20%)	\$86,433.70

Total Construction Phase FAA Share: \$313,839.49
Total Construction Phase FDOT Share \$373,631.64
Total Construction Phase Local Share \$93,407.91

CAPITAL PROJECT DETAIL

PROJECT TITLE

Airport Access Roads

PROJECT#

108066

CATEGORY

Airport Improvements

FUND

108-Airport

PROJECT LOCATION

Airport

MANAGEMENT

Airport Manager

PROJECT SCOPE

This project consists of construction and construction engineering work required to extend Tower Circle East and Signal Avenue from the Airport Business Park into the southwest quadrant of the airport, and to build a perimeter access road connecting these two access points. Completion of both phases of this project will result in the addition of approximately 1,510 linear feet of roadway.

JUSTIFICATION

The southwest quadrant of the airport is currently inaccessible by ground vehicles via existing ingress and egress routes at the airport or the Airport Business Park. Successful development of the southwest quadrant will require such access, and will benefit both the airport and the business park by affording co-location of airside and non-airside business parcels. This project will also extend utilities from the business park into the southwest quadrant. Acquisition by the airport of approximately 0.6 acres of business park property has been accomplished in order to accommodate these access roads. Design work for this project was authorized by the City Commission via Resolution 2020-72. Design work is complete and the project is ready for bidding.

PROJECT COST METHODOLOGY

Cost estimates have been provided by Hoyle, Tanner & Associates

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	2,102,037	0	0	0	0	2,102,037
Total	2,102,037	0	0	0	0	2,102,037

CAPITAL PROJECT DETAIL

<u>PROJECT TITLE</u>	<u>PROJECT#</u>
Airport Access Roads	108066

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
FDOT	1,303,629	0	0	0	0	1,303,629
FDOT Special Appropriation	472,500	0	0	0	0	472,500
Airport Fund	325,908	0	0	0	0	325,908
Total	2,102,037	0	0	0	0	2,102,037

CAPITAL PROJECT DETAIL

PROJECT TITLE

Airport Wildlife Mitigation & Security

PROJECT#

108078

CATEGORY

Facility Construction and Renovation

FUND

108-Airport

PROJECT LOCATION

Airport

MANAGEMENT

Airport Manager

PROJECT SCOPE

This project will address the recommendations contained in the Statewide General Aviation Airport Security Assessment report provided to the City by the Florida Department of Transportation (FDOT), and the recent Wildlife Hazard Assessment (WHA) required by the Federal Aviation Administration (FAA).

The project consists of three elements to be performed in consecutive annual phases; preparation of a vulnerability assessment and security program, construction of wildlife/security fencing, gates, and perimeter access systems, and construction of new surveillance and lighting systems.

JUSTIFICATION

A vulnerability assessment followed by the development of a security plan is necessary to evaluate the airport's regulatory compliance and the existing level of security so that the airport can identify and effectively respond to its potential vulnerabilities. The City recently completed a year-long Wildlife Hazard Assessment (WHA). The study evaluated wildlife hazard risks and wildlife attractants at the airport.

The WHA concluded the existing 6-foot perimeter fence, gates, and the associated access control systems are inadequate to secure the Aircraft Operating Area (AOA). The WHA recommends installation of a new 10' high perimeter fence with 18-inch outriggers and three strands of barbed wire to effectively secure the perimeter of the AOA in accordance with FAA standards. The existing gates and access control systems at the airport have exceeded their useful life. The airport's motorized gates are governed by antiquated technology that fails or works intermittently depending on factors such as humidity and weather. The installation of new slide gates, gate motors and access control systems will advance Airport Improvement Program (AIP) policy by providing safe and operable access to the AOA by airport users as well as emergency responders. A new, reliable gate and access control system will allow the airport's limited staff to more effectively monitor and maintain airport security. Installation of improved surveillance and lighting systems will permit the airport's limited staff to monitor the perimeter security of the airfield from any location, providing an increase in safety and security consistent with the spirit of the Airport Improvement Program's core principles.

The airport currently has a system of CCTV cameras which allow tower controllers to monitor critical areas of the AOA and gates. This system has exceeded its useful life and needs replacement. A new CCTV system will be installed with a monitoring system in the tower, and remote monitoring capabilities for airport staff, city personnel, and emergency responders. The existing cameras will be re-used or replaced when necessary, and new cameras will be added to allow the tower to monitor several areas of the airfield that are currently not monitored, including taxilanes around hangar buildings. For these camera systems to operate as intended, LED area lights will be added at strategic locations to illuminate gate signs, card readers, and the adjacent areas within each camera's monitoring range.

PROJECT COST METHODOLOGY

Project cost estimates provided by Gale Associates, Inc.

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Airport Wildlife Mitigation & Security

108078

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	58,500	0	0	0	0	58,500
Security & Lighting	0	2,762,500	242,500	0	0	3,005,000
Total	58,500	2,762,500	242,500	0	0	3,063,500

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
FDOT	46,800	221,000	194,000	0	0	461,800
Airport Fund	11,700	55,250	48,500	0	0	115,450
FAA	0	2,486,250	0	0	0	2,486,250
Total	58,500	2,762,500	242,500	0	0	3,063,500

CAPITAL PROJECT DETAIL

PROJECT TITLE

Airport Master Plan Update

PROJECT#

CATEGORY

Airport Improvements

FUND

108-Airport

PROJECT LOCATION

Airport

MANAGEMENT

Airport Manager

PROJECT SCOPE

This project is required to update the information, analysis, and recommendations contained in the 2014 Airport Master Plan Update and subsequent interim Airport Layout Plan updates.

JUSTIFICATION

The FAA recommends periodic updates of the Airport Master Plan and Airport Layout Plan to reflect changes in local conditions. This project will update the current Airport Layout Plan to reflect the airport improvement projects completed since the prior update. Failure to conduct these updates could have a negative impact on the availability of necessary state and federal funding for the airport.

PROJECT COST METHODOLOGY

Cost estimates have been provided by Hoyle, Tanner & Associates

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Professional Services	0	250,000	0	0	0	250,000
Total	0	250,000	0	0	0	250,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
FAA	0	225,000	0	0	0	225,000
FDOT	0	20,000	0	0	0	20,000
Airport Fund	0	5,000	0	0	0	5,000
Total	0	250,000	0	0	0	250,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Airport Tower Handrail Replacement

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

108-Airport

PROJECT LOCATION

Airport

MANAGEMENT

Engineering

PROJECT SCOPE

Remove and replace the safety handrail around the observation deck

JUSTIFICATION

The current safety handrail was installed when the tower was constructed and has begun to rust and deteriorate making it unsafe. This should be scheduled for a complete replacement.

PROJECT COST METHODOLOGY

Cost based on similar city projects

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Completely replace the safety	0	60,000	0	0	0	60,000
Total	0	60,000	0	0	0	60,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Airport Fund	0	60,000	0	0	0	60,000
Total	0	60,000	0	0	0	60,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Rehabilitate Taxiway Bravo Apron & Ramp Area

PROJECT#

CATEGORY

Airport Improvements

FUND

108-Airport

PROJECT LOCATION

Airport

MANAGEMENT

Airport Manager

PROJECT SCOPE

This project will produce the necessary design and permitting documents required to reconstruct the pavement of the Taxiway Bravo apron and ramp area, south of the intersection of Taxiways Bravo and Delta, and the taxi lane behind hangars 1 through 22 that are served by the Bravo apron and ramp.

JUSTIFICATION

According to the most recent Statewide Airfield Pavement Management Program report for OMN, the Taxiway Bravo apron and ramp area exhibits significantly aged pavement with large amounts of medium severity block and alligator cracking, along with longitudinal and transverse cracking, depression, patching, and raveling. Based upon the quantities and severities of the observed distresses, the apron and ramp pavement is beyond its useful life and should be considered for major rehabilitation. The pavement management report indicates that the apron and ramp pavement condition varies from very poor to fair, with an average pavement condition rating of 37 based upon the number of sample units inspected. As a result, the report gives the Taxiway Bravo apron and ramp area an average condition of "very poor." The taxi lane behind hangars 1 through 22 has a pavement condition rating of 9, which indicates an average condition of "failed."

PROJECT COST METHODOLOGY

Project cost estimates have been provided by Hoyle, Tanner and Associates, Inc.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	0	2,500,000	0	0	0	2,500,000
Total	0	2,500,000	0	0	0	2,500,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Rehabilitate Taxiway Bravo Apron & Ramp Area

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
FAA	0	2,250,000	0	0	0	2,250,000
FDOT	0	200,000	0	0	0	200,000
Airport Fund	0	50,000	0	0	0	50,000
Total	0	2,500,000	0	0	0	2,500,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Airport Perimeter Security Fence

PROJECT#

CATEGORY

Airport Improvements

FUND

108-Airport

PROJECT LOCATION

Airport

MANAGEMENT

Airport Manager

PROJECT SCOPE

JUSTIFICATION

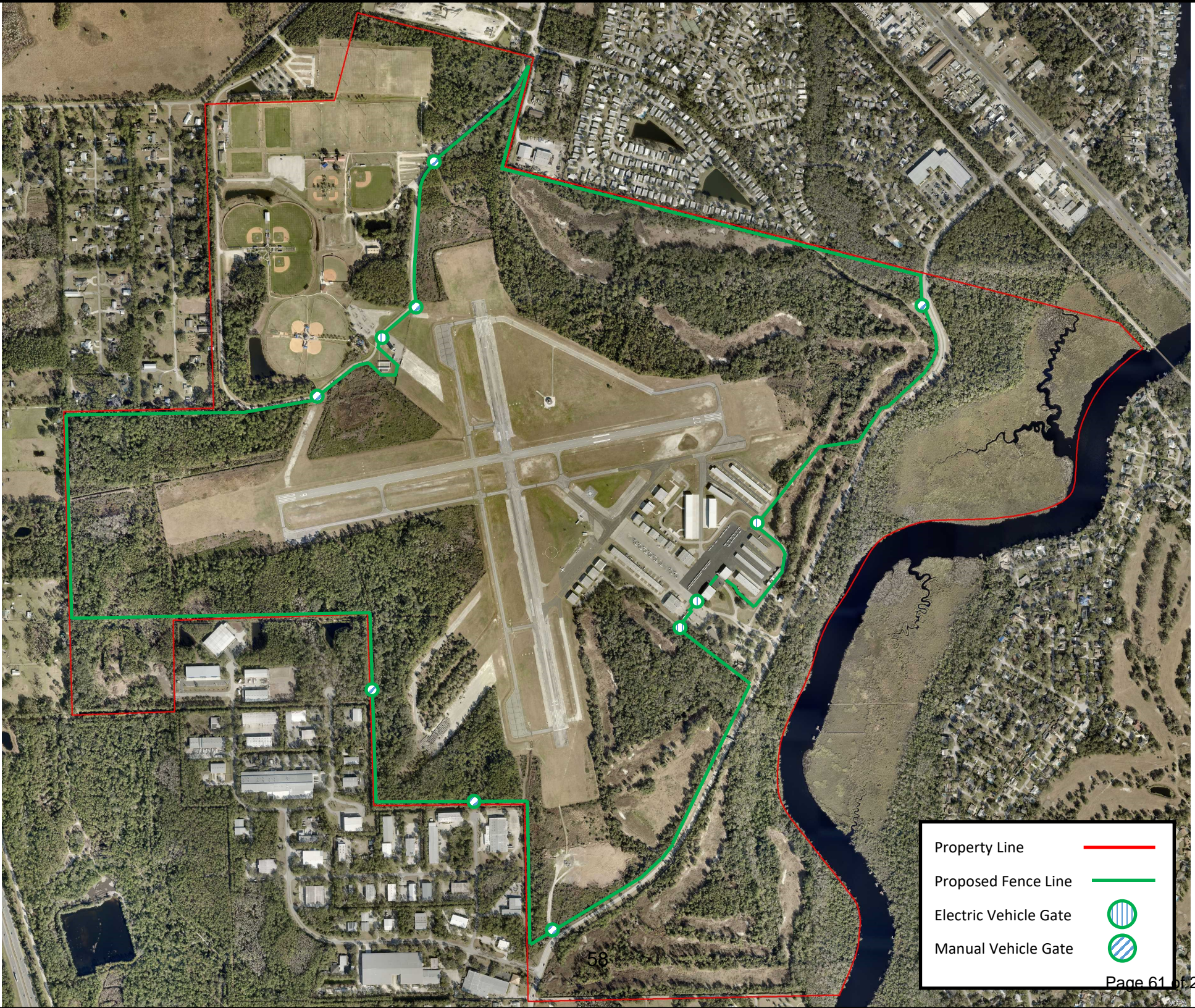
The airport's existing perimeter fence and gates must be replaced in accordance with the recommendations contained within the Wildlife Hazard Assessment prepared for the airport and U.S. Transportation Security Administration and FDOT airport security guidelines.





PROJECT COST METHODOLOGY

Cost estimates have been provided by Hoyle, Tanner and Associates

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design & Bidding	0	0	244,580	0	0	244,580
Construction & Construction	0	0	0	5,523,524	0	5,523,524
Total	0	0	244,580	5,523,524	0	5,768,104

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
FAA	0	0	220,122	4,971,172	0	5,191,294
FDOT	0	0	19,566	441,882	0	461,448
Airport Fund	0	0	4,892	110,470	0	115,362
Total	0	0	244,580	5,523,524	0	5,768,104



Property Line	
Proposed Fence Line	
Electric Vehicle Gate	
Manual Vehicle Gate	

CAPITAL PROJECT DETAIL

PROJECT TITLE

Rehabilitate, Mark and Light Taxiway "E"

PROJECT#

108069

CATEGORY

Airport Improvements

FUND

108-Airport

PROJECT LOCATION

Airport

MANAGEMENT

Airport Manager

PROJECT SCOPE

This project will involve milling and overlaying the surface of Taxiway "E" with new asphalt and will also afford new edge lighting and signage for the taxiway.

JUSTIFICATION

The FDOT Statewide Airfield Pavement Management Program Report has established a Pavement Condition Index (PCI) of 43 for Taxiway Echo. This PCI value equates to a condition rating of "poor" and indicates that action is required to improve the taxiway surface.

PROJECT COST METHODOLOGY

Project cost estimates have been provided by Hoyle, Tanner & Associates.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	0	0	150,000	0	150,000
Construction	0	0	0	0	814,280	814,280
Total	0	0	0	150,000	814,280	964,280

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
FAA	0	0	0	135,000	732,852	867,852
FDOT	0	0	0	12,000	65,142	77,142
Airport Fund	0	0	0	3,000	16,286	19,286
Total	0	0	0	150,000	814,280	964,280

301-GENERAL CAPITAL IMPROVEMENT FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

CDBG Military Boulevard West/East Sidewalks

PROJECT#

CATEGORY

Beautification

FUND

301-General Improvement Fund

PROJECT LOCATION

Forest Hills Subdivision

MANAGEMENT

Engineering

PROJECT SCOPE

West & East Sides of Military Boulevard

JUSTIFICATION

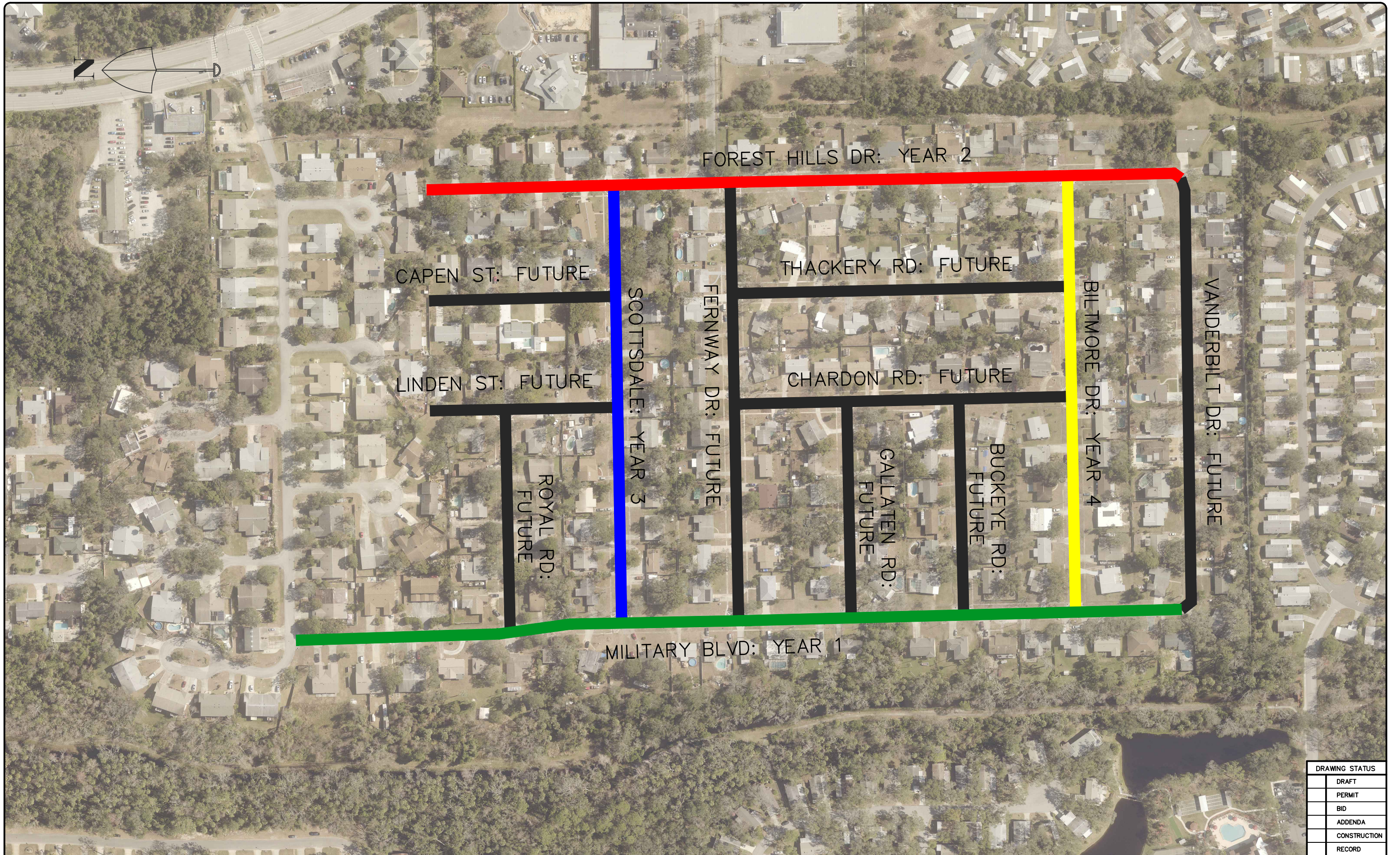
Remove existing 3' wide non-ADA sidewalks and replace with a 5' wide ADA compliant sidewalk. Along the west/east sides of the roadway there are areas with no sidewalk and will be implementing sidewalks to provide continuous connect. Project also includes ADA compliant detectable mats & curbing. The goal is to improve pedestrian connectivity as the Tomoka Elementary School is to the west.

PROJECT COST METHODOLOGY

Using pricing received from previous sidewalk projects

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	274,000	0	0	0	0	274,000
Total	274,000	0	0	0	0	274,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
CDBG	151,828	0	0	0	0	151,828
Property Taxes - Transportation	122,172	0	0	0	0	122,172
Total	274,000	0	0	0	0	274,000



DRAWING STATUS	
<input type="checkbox"/>	DRAFT
<input type="checkbox"/>	PERMIT
<input type="checkbox"/>	BID
<input type="checkbox"/>	ADDENDA
<input type="checkbox"/>	CONSTRUCTION
<input type="checkbox"/>	RECORD

NO.	DATE	REVISIONS	BY

City of Ormond Beach
Engineering Division

BILL PARTINGTON, MAYOR
JOYCE SHANAHAN, CITY MANAGER
ALEX SCHUMANN, P.E. CITY ENGINEER

**CDBG: FOREST HILLS
SIDEWALK REHABILITATION**

PHASING PLAN

DATE: 5/9/24
SCALE:
DRAWN BY: MC
PROJECT NO.:
FILE NAME:
SHEET: 1 of 1

CAPITAL PROJECT DETAIL

PROJECT TITLE

Engineering Planning Renovation

PROJECT#

CATEGORY

Facility Construction and Renovation

FUND

301-General Improvement Fund

PROJECT LOCATION

City Hall

MANAGEMENT

Planning/Engineering

PROJECT SCOPE

Increase functional space in planning & engineering by renovating the interior walls

JUSTIFICATION

Engineering and planning offices are disjointed and crowded. This project would allow for a better, more thoughtful use of space and allow for additional office space.

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	250,000	0	0	0	0	250,000
Total	250,000	0	0	0	0	250,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-General CIP	250,000	0	0	0	0	250,000
Total	250,000	0	0	0	0	250,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Fleet Fuel Island Canopy

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

301-General Improvement Fund

PROJECT LOCATION

Fleet

MANAGEMENT

Engineering

PROJECT SCOPE

Replace the existing underground fuel tanks and canopy with above ground tanks and new canopy

JUSTIFICATION

The existing underground fuel storage tanks have reached the end of their useful life and are in need of replacement. Additionally, the canopy structure above the fuel islands at fleet are rusting.

PROJECT COST METHODOLOGY

Based on quotes

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	700,000	0	0	0	0	700,000
Total	700,000	0	0	0	0	700,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
General Fund Reserves	700,000	0	0	0	0	700,000
Total	700,000	0	0	0	0	700,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Police Station / EOC

PROJECT#

CATEGORY

Facility Construction and Renovation

FUND

301-General Improvement Fund

PROJECT LOCATION

Airport Business Park

MANAGEMENT

Engineering

PROJECT SCOPE

This project proposes engaging the services of a architect / planning consultant experienced in the design and planning of public safety facilities to conduct a Needs Assessment & Land Use Study whose focus would be the replacement / relocation of the current Police Station, , a dedicated Emergency Operations Center (EOC) and a fire station that will serve as replacement for Volusia County Fire Station 13 upon its decommission. This project will produce a report detailing rooms sizes / areas/uses. general descriptions of the rooms and the requirements of those rooms, site and land use requirements of the public safety campus, general site requirements for potential locations as well as conceptual planning for this facility.

JUSTIFICATION

A top priority identified by the City Commission at their January 31, 2023 Strategic Planning Workshop was for the development of a new Police Station and Emergency Operations Center (EOC). Specifically, this priority identified a need to located this facility west of the current Police Station and EOC to a location both near the geographic center of the City which would in turn provide for a location less susceptible to the impact of sever weather events.

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Planning, Design, and Permitting	2,900,000	0	0	0	0	2,900,000
Construction	0	24,000,000	14,000,000	0	0	48,000,000
Total	2,900,000	24,000,000	14,000,000	0	0	50,900,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Police Station / EOC

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Bonds	1,450,000	24,000,000	14,000,000	0	0	49,450,000
Legislative Funding	1,450,000	0	0	0	0	1,450,000
Total	2,900,000	24,000,000	14,000,000	0	0	50,900,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Data Center Infrastructure

PROJECT#

CATEGORY

Technology

FUND

301-General Improvement Fund

PROJECT LOCATION

HDC/ Police Department

MANAGEMENT

IT Department

PROJECT SCOPE

Upgrading Storage Area Network, Servers and associated infrastructure.

JUSTIFICATION

The City has been impacted by decreased performance, frequent downtime and growing need for server, San and database maintenance. The outdated infrastructure is resulting in outages, sluggish performance issues and is impacting city-wide emails and load time for documents. The aging infrastructure is also causing security vulnerabilities. As such the data center infrastructure is in need of replacement.

PROJECT COST METHODOLOGY

Estimate via Quote

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Infrastructure	800,000	0	0	0	0	800,000
Total	800,000	0	0	0	0	800,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Financing	800,000	0	0	0	0	800,000
Total	800,000	0	0	0	0	800,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Station Alerting

PROJECT#

CATEGORY

Facility Construction and Renovation

FUND

301-General Improvement Fund

PROJECT LOCATION

Fire Stations

MANAGEMENT

Fire

PROJECT SCOPE

Replacement of Fire Station Alerting Systems

JUSTIFICATION

This request is to replace systems which alert personnel of a call at each of the four fire stations. Every fire station in Volusia County will need to meet this requirement. The County pending update to the dispatch system will not work with our current alerting system. The County will be going out for RFP and then the type of system will be offered to the municipal providers. The consultant has estimated this could take approximately 17 months. Ormond Beach has four fire stations and this is the primary we receive our calls for service from main dispatch. The estimate cost for this project is about \$50,000 to 75,000 per station. We are estimating \$60,000 per station for a total of \$240,000. **2024 Update: VC has chosen their vendor, and advised that the Sheriff's Office Communications (Dispatch provider) is moving forward with their dispatch system upgrade this summer.** We are awaiting pricing information from VC.

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Alerting Systems	0	240,000	0	0	0	240,000
Total	0	240,000	0	0	0	240,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-General CIP	0	240,000	0	0	0	240,000
Total	0	240,000	0	0	0	240,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

City Hall Access Control

PROJECT#

CATEGORY

Facility Construction and Renovation

FUND

301-General Improvement Fund

PROJECT LOCATION

City Hall

MANAGEMENT

Engineering

PROJECT SCOPE

Install RFID locks and integrated cameras at City Hall

JUSTIFICATION

This project would enable better building security, and allow for a more holistic control and monitoring of who enters the building and when.

PROJECT COST METHODOLOGY

Received Quote from Empire

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Installation	0	0	100,000	0	0	100,000
Total	0	0	100,000	0	0	100,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-General CIP	0	0	100,000	0	0	100,000
Total	0	0	100,000	0	0	100,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Fire Station 92 Generators

PROJECT#

CATEGORY

Vehicle Replacement

FUND

301-General Improvement Fund

PROJECT LOCATION

Fire Station 92 & 93

MANAGEMENT

Fleet/Engineering

PROJECT SCOPE

Replace Generator and Automatic Transfer Switch

JUSTIFICATION

The existing generators have reached the end of their service life and are in need of replacement. Station 92 houses the City's EOC and reliable power is imperative to citywide operations. Sta. 93's generator has experienced recent major failures, and is not adequate to power the entire station. This project would replace the generator, automatic transfer switch and associated electrical upgrades. Additional work included would be site work related to flood and wind hazard mitigation, including replacement of concrete pads, elevation of pad at Sta. 93, and protective enclosure at Sta. 93. This project has been submitted for FEMA Hurricane Mitigation Grant Program funding, which would provide 75% funding, leaving a required City match of approx. \$62,500. Should the grant not be successful, see recommended timeline and funding allocations as noted below. ** 2024 Update: HMGP grant still in review with the State, expecting to hear further late summer 2024. Requesting to move FY 23/24 funding to FY 24/25.

PROJECT COST METHODOLOGY

Quotes

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Fire Station 92 Generator	0	0	125,000	0	0	125,000
Total	0	0	125,000	0	0	125,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-General CIP	0	0	125,000	0	0	125,000
Total	0	0	125,000	0	0	125,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Network and Security Assessment

PROJECT#

CATEGORY

Technology

FUND

301-General Improvement Fund

PROJECT LOCATION

City Wide

MANAGEMENT

Information Technology Department

PROJECT SCOPE

Network and Cyber Security Assessment

JUSTIFICATION

the City intends to fully assess and audit the security of all elements of the City's technology environment. The City's goal is to have a comprehensive and detailed review of the current environment, and then the creation of a Cyber Resilience Program (CRP) as well as an implementation plan to improve our overall technology security posture. 1. Policies, procedures and standards 2. Network Device Configurations (core, edge) 3. Network Architecture 4. Wireless Infrastructure and Configuration 5. Firewall Configuration a. VPN Configuration b. DMZ Configuration 6. Server Environment and Configurations 7. VMware Virtual Environment 8. Data and Information Security 9. VOIP Environment and Configuration 10. Mobile Devices 11. Desktop and Laptop Configurations 12. Physical Security

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Security Assessment	0	0	35,000	0	0	35,000
Total	0	0	35,000	0	0	35,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-General CIP	0	0	35,000	0	0	35,000
Total	0	0	35,000	0	0	35,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Fiber Optic Connectivity

PROJECT#

301249

CATEGORY

Technology

FUND

301-General Improvement Fund

PROJECT LOCATION

City Wide

MANAGEMENT

Engineering

PROJECT SCOPE

Phased expansion of City fiber Optic network facilities connecting properties and utilities assets to previously connected facilities

JUSTIFICATION

Central to City operation is the transfer of data between City facilities and for the operation of City assets at remote locations. The Communication Infrastructure of the City of Ormond Beach is built upon the points of data collection and facility controls, terminals that allow for the monitoring of this data and the communication of City business, as well as the means of connecting these points allowing for the transfer of information internally and to external locations. The creation of a fiber optic network between City facilities provides increased reliability, increased data rates up to 10,000 Mbps, and immunity from both weather and power related events. Previous phases have established connectivity, providing a Gigabit Ethernet (1 GigE) communication capability to additional City facilities. This strategic investment increases security, data transfer speed, and reliability to those connected facilities while reducing business recovery and disaster recovery risks.

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Fiber Optics	0	0	0	620,000	0	620,000
Total	0	0	0	620,000	0	620,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-General CIP	0	0	0	620,000	0	620,000
Total	0	0	0	620,000	0	620,000



302-GENERAL VEHICLE AND EQUIPMENT FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

Vehicle Replacement-General

PROJECT#

302VEH

CATEGORY

Vehicle and Equipment Replacement

FUND

302-General Vehicle Replacement Fund

PROJECT LOCATION

Various City Departments

MANAGEMENT

Fleet

PROJECT SCOPE

The project involves the continued implementation of a comprehensive vehicle replacement schedule for the City's fleet. Vehicles beyond the first year of this program will be evaluated at the appropriate time. These vehicles are being shown for scheduling purposes only and will not necessarily be replaced in the year shown.

JUSTIFICATION

The replacement schedule has been designed to replace vehicles which have been identified as incurring the greatest maintenance expense over the life of the vehicle, reaching or exceeding the expected life in terms of age, and having relative high mileage. The benefits of the replacement program are reflected in the reduction of the City's Fleet Maintenance operating and labor costs, as well as lower vehicle downtime.

PROJECT COST METHODOLOGY

State contract pricing.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Vehicles	272,000	0	0	0	0	272,000
Total	272,000	0	0	0	0	272,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Vehicles	272,000	0	0	0	0	272,000
Total	272,000	0	0	0	0	272,000

CIP Work Sheet FY 2024-25

Description	Year	Department	#	2024-25
Chevy 3500	2012	Street Maint.	410	50,000
Ford F450	2012	Street Maint.	252	80,000
Ford Escape	2012	Leisure Services	415	30,000
Chevy Pickup	2012	Leisure Services	413	26,000
Ford 3/4 ton Pickup	2003	Leisure Services	530	26,000
Chevy Colorado	2012	Engineering	160	30,000
Ford Escape	2009	Engineering Insp	154	30,000
Total General				272,000



305-PUBLIC SAFETY VEHICLE EQUIPMENT FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

Vehicle Replacement-Public Safety

PROJECT#

305VEH

CATEGORY

Vehicle Replacement

FUND

305-Public Safety Vehicle & Equipment Fund

PROJECT LOCATION

Police Department

MANAGEMENT

Police

PROJECT SCOPE

Annual Vehicle Replacement Program

JUSTIFICATION

Replacement of Police Vehicles on the following schedule: Patrol every seven years; Special Unit every ten years; Motorcycles every 4 years

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Police Vehicles	533,000	500,000	500,000	500,000	500,000	2,533,000
Total	533,000	500,000	500,000	500,000	500,000	2,533,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Public Safety	533,000	500,000	500,000	500,000	500,000	2,533,000
Total	533,000	500,000	500,000	500,000	500,000	2,533,000

CIP Work Sheet FY 2024-25

Description	Year	Department	#	2024-25
Ford Taurus	2012	Police Admin	83	35,000
Chev Impala	2012	Police CID	86	38,000
Chevy Caprice	2013	Police	138	70,000
Chevy Caprice	2014	Police	139	70,000
Chevy Caprice	2014	Police	140	70,000
Chevy Caprice	2014	Police	142	70,000
Chevy Caprice	2014	Police	145	70,000
Chev Colorado	2012	Police NID	201	40,000
Chevy Caprice	2015	Police	P01	70,000
Total Public Safety				533,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Quint Fire Apparatus

PROJECT#

CATEGORY

Vehicle and Equipment Replacement

FUND

305-Public Safety Vehicle & Equipment Fund

PROJECT LOCATION

Fire Station

MANAGEMENT

Fire

PROJECT SCOPE

Purchase an aerial apparatus to replace a 2011 quint apparatus, and place it for surplus/disposal.

JUSTIFICATION

Both current units have had several major/costly repairs, and are due for replacement. With currently production lead times at 38 months, replacement apparatus need to be ordered earlier to maintain the 12-yr. replacement schedule for fire apparatus. With the creation of the public safety vehicle fund, a 12-year replacement schedule was identified to maximize service life and trade-in value, financing the units for 10 years, then trading back the units at year 12. This program would keep the frontline units operational with a lower repair cost and reduces down time. This program also includes major equipment replacement with the new units. It should be noted that industry-wide, production timelines have increased from 12 months to 38 months to take delivery.

PROJECT COST METHODOLOGY

FSA purchasing contract pricing, option changes, and equipment quotes

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Quint Fire Apparatus	0	0	0	0	1,900,000	1,900,000
Total	0	0	0	0	1,900,000	1,900,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Lease Purchase	0	0	0	0	1,900,000	1,900,000
Total	0	0	0	0	1,900,000	1,900,000

308-TRANSPORTATION FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

Neighborhood Traffic Calming

PROJECT#

308234

CATEGORY

Transportation

FUND

308-Transportation

PROJECT LOCATION

Citywide

MANAGEMENT

Engineering

PROJECT SCOPE

Installation of traffic calming devices on neighborhood streets as part of neighborhood traffic calming program

JUSTIFICATION

The issue of installing traffic calming measures within the City has been the topic of discussion in recent years. The basis of a neighborhood traffic calming program was presented to the City Commission that utilized a combination of mainly physical measures to reduce the negative effect of motorized vehicle use and improve conditions for non-motorized street users. Traffic calming measures have inherent advantages including the reduction of speed, increased safety, reduction of cut-through traffic, and enhancement of the street environment. The traffic calming program will produce candidate streets on a semi-annual basis through priority data analysis.

PROJECT COST METHODOLOGY

Based on recent construction projects

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Traffic Calming Measures	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes - Transportation	50,000	50,000	50,000	50,000	50,000	250,000
Total	50,000	50,000	50,000	50,000	50,000	250,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Railroad Crossing

PROJECT#

308123

CATEGORY

Transportation

FUND

308-Transportation

PROJECT LOCATION

Various

MANAGEMENT

Engineering

PROJECT SCOPE

Reconstruction of the railroad crossings by the Florida East Coast Railroad

JUSTIFICATION

The City through an agreement with the Florida East Coast Railroad (FEC) for roadway crossings of the railway is required to fund the railroad crossing improvements as identified by the FEC. Average costs for repairs average around \$100,000. FEC does not have a planned improvement program that they are able to provide.

PROJECT COST METHODOLOGY

Estimated amount from previous years. Cost varies depending of number of lanes and work to be done

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Railroad Crossing	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes - Transportation	200,000	200,000	200,000	200,000	200,000	1,000,000
Total	200,000	200,000	200,000	200,000	200,000	1,000,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Road Rehabilitation

PROJECT#

308225

CATEGORY

Transportation

FUND

308-Transportation

PROJECT LOCATION

Various

MANAGEMENT

Engineering

PROJECT SCOPE

Resurfacing of City streets as part of an on-going maintenance policy in order to prevent street deterioration and excessive reconstruction costs.

JUSTIFICATION

The results of a 1995 survey of City residents regarding their satisfaction with City services indicated that street repair was the lowest rated City service.. In addition, based on the level of funding that existed prior to 1997, the backlog of resurfacing would continue to increase and the condition of local roads would deteriorate further to the point where reconstruction would be necessary at an average cost of \$1,367,000 per mile rather than \$170,000 per mile for resurfacing.

Consequently, a comprehensive road improvement plan with dedicated funding source was developed and approved by the City Commission. The road improvement program is intended to reduce the projected road improvement backlog to a manageable level and protect the City’s 187-mile road network that is valued at \$51 million.

PROJECT COST METHODOLOGY

Estimates are base upon unit pricing from recent bids of similar roadway resurfacing project within the City.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Roadway Resurfacing	750,000	750,000	750,000	750,000	750,000	3,750,000
Total	750,000	750,000	750,000	750,000	750,000	3,750,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Local Option Gas Tax	750,000	750,000	750,000	750,000	750,000	3,750,000
Total	750,000	750,000	750,000	750,000	750,000	3,750,000

Year	Name	FrSegment	ToSegment	Length	ASPHALT TONNAGE	REPAIR COST
2024-2025	LAKEBLUFF DR	ORMOND LAKES BLVD	CLIFFVIEW LN	920	190	\$ 24,587.59
2024-2025	LAKEBLUFF DR	CLIFFVIEW LN	CAMP MACRAE	1020	210	\$ 27,260.16
2024-2025	LAKEBLUFF DR	CAMP MCRAE LN	ORMOND LAKES BLVD	3086	694	\$ 89,973.10
2024-2025	JOLYNN DR	ORMOND LAKES BLVD	CUL-DE-SAC	439	114	\$ 14,829.09
2024-2025	WILD FERN LN	JOLYNN DR	LORELANE DR	996	187	\$ 24,198.86
2024-2025	WATERBLUFF DR	WILD FERN LN	WILD FERN LN	970	182	\$ 23,567.16
2024-2025	LORELANE DR	ORMOND LAKES BLVD	CUL-DE-SAC	348	65	\$ 8,455.02
2024-2025	WILD CAT LN	ORMOND LAKES BLVD	CUL-DE-SAC	698	186	\$ 24,124.75
2024-2025	OLD CANYON LN	ORMOND LAKES BLVD	CUL-DE-SAC	798	209	\$ 27,040.28
2024-2025	ROCKY BLUFF DR	ORMOND LAKES BLVD	LAKEBLUFF DR	1386	312	\$ 40,409.18
2024-2025	COQUINA CLIFF CIR	ROCKY BLUFF DR	CUL-DE-SAC	109	54	\$ 6,952.31
2024-2025	OLD MCDUFFIE CIR	ROCKY BLUFF DR	CUL-DE-SAC	214	77	\$ 10,013.61
2024-2025	OLD WIGGINS LN	LAKEBLUFF DR	CUL-DE-SAC	399	119	\$ 15,407.33
2024-2025	CLIFFWOOD CIR	LAKEBLUFF DR	CUL-DE-SAC	219	64	\$ 8,295.88
2024-2025	TIMUCUAN DR	LAKEBLUFF DR	LAKEBLUFF DR	1885	353	\$ 45,798.04
2024-2025	MINNOW DR	LAKEBLUFF DR	LAKEBULFF DR	1161	218	\$ 28,207.70
2024-2025	HIGHLAND OAKS TRL	SAWTOOTH LN	CUL-DE-SAC	250	81	\$ 10,440.01
2024-2025	SAINT ANDREWS TER	S. ST. ANDREWS DR	S. ST. ANDREWS DR	445	88	\$ 11,352.33
2024-2025	OLD MCDUFFIE CIR	ROCKY BLUFF DR	CUL-DE-SAC	214	77	\$ 10,013.06
2024-2025	SOUTHERN PINE TRL	SAWTOOTH LN	CUL-DE-SACS N&S	754	185	\$ 23,957.11
2024-2025	FOXBROW LOOK	HUNTERS RIDGE BLVD	HUNTERS RIDGE BLVD	376	71	\$ 9,135.31
2024-2025	WYNDHAM LOOK	HAMLET TRACE	CUL-DE-SAC	121	71	\$ 9,234.59
2024-2025	COTTEN SEED TRL	SADDLE CREEK TRL	CUL-DE-SAC	198	75	\$ 9,773.08
2024-2025	OLD BARN TRL	SADDLE CREEK TRL	CUL-DE-SAC	220	80	\$ 10,334.32
2024-2025	HAMLET CIR	WOODLAND BLVD	CUL-DE-SAC	400	75	\$ 9,718.42
2024-2025	HIGHLAND OAKS TRL	SAWTOOTH LN	CUL-DE-SAC	250	81	\$ 10,440.01
2024-2025	SAINT ANDREWS TER	S. ST. ANDREWS DR	S. ST. ANDREWS DR	445	88	\$ 11,352.33
2024-2025	OLD MCDUFFIE CIR	ROCKY BLUFF DR	CUL-DE-SAC	214	77	\$ 10,013.06
2024-2025	SOUTHERN PINE TRL	SAWTOOTH LN	CUL-DE-SACS N&S	754	185	\$ 23,957.11
2024-2025	FOXBROW LOOK	HUNTERS RIDGE BLVD	HUNTERS RIDGE BLVD	376	71	\$ 9,135.31
2024-2025	WYNDHAM LOOK	HAMLET TRACE	CUL-DE-SAC	121	71	\$ 9,234.59
2024-2025	COTTEN SEED TRL	SADDLE CREEK TRL	CUL-DE-SAC	198	75	\$ 9,773.08
2024-2025	OLD BARN TRL	SADDLE CREEK TRL	CUL-DE-SAC	220	80	\$ 10,334.32
2024-2025	LOCHMERE LN	LAKEBLUFF DR	CUL-DE-SAC	410	103	\$ 13,348.79
2024-2025	GREENFERN CIR	LAUREL DR	CUL-DE-SAC	600	113	\$ 14,577.63
2024-2025	PINE SHADOWS TRL	CROSSINGS TRL	CUL-DE-SAC	452	120	\$ 15,593.20
2024-2025	CYPRESS VIEW TRL	CROSSING TRL	CUL-DE-SAC	503	126	\$ 16,380.39
2024-2025	BAYBERRY CT	ROCKEFELLER DR	ROCKEFELLER DR	400	68	\$ 8,746.58
2024-2025	GOLDEN OAK LANE	HIDDEN HILLS DR	SPANISH OAK LN	329	62	\$ 7,993.40
2024-2025	OLD CREEK CIR	TIMUCUAN DR	CUL-DE-SAC	245	69	\$ 8,926.91
2024-2025	ECLIPSE TRL	MAIN TRL	CUL-DE-SAC	250	47	\$ 6,074.01
2024-2025	INVERRAY CT	OCEAN PINES DR	CUL-DE-SAC	214	79	\$ 10,181.26

Year	Name	FrSegment	ToSegment	Length	ASPHALT TONNAGE	REPAIR COST
2027-2028	N SAINT ANDREWS DR	TOMOKA OAKS BLVD	EAGLE DR	6200	1279	\$ 165,622.02
2027-2028	HUNTERS RIDGE BLVD	SHADWCROSSINGSBLVD	EndroadbuckthornLook	1060	298	\$ 38,612.76
2027-2028	CHOCTAW TRL	IROQUOIS TRL (NE)	IROQUOIS TRL	1615	318	\$ 41,180.87
2027-2028	LINCOLN AVE	N. ORCHARD ST	N. YONGE ST	2260	424	\$ 54,883.54
2027-2028	WALDEN LN	SYCAMORE CIR	SYCAMORE CIR	466	92	\$ 11,882.53
2027-2028	BRYANT ST	FLEMING AVE	BURNS AVE	680	121	\$ 15,687.95
2027-2028	SEMINOLE AVE	S. ATLANTIC AVE	S. HALIFAX DR	2200	413	\$ 53,426.46
2027-2028	VALENCIA DR	S. ATLANTIC AVE	S. HALIFAX DR	2000	375	\$ 48,569.51
2027-2028	PARQUE DR	HAND AVE	FLEMING AVE	1400	263	\$ 33,998.65
2027-2028	WILLOUGHBY TRACE	BRIARGATE LOOK	CUL-DE-SAC	359	90	\$ 11,691.23
2027-2028	STAGHOUND LOOK	HUNT MASTER CT	CUL-DE-SAC	275	96	\$ 12,438.65
2027-2028	FOREST QUEST	AIRPORT ROAD	CUL-DE-SAC	985	227	\$ 29,459.50
2027-2028	KING EDWARD DR	S. KINGS RD	QUEEN ANN CT	477	89	\$ 11,583.83
2027-2028	WILLIS DR	S. HALIFAX DR	RIVERSIDE DR	600	113	\$ 14,570.85
2027-2028	ROBLE LN	SANDY OAKS BLVD	HAMMOCK LN	644	121	\$ 15,639.38
2027-2028	W VICTORIA CIR	LAUREL DR	LAUREL DR	730	137	\$ 17,727.87
2027-2028	E VICTORIA CIR	LAUREL DR	LAUREL DR	960	180	\$ 23,313.36
2027-2028	ASTON CIR	FLEMING AVE	FLEMING AVE	1355	254	\$ 32,905.84
2027-2028	PARK RIDGE WAY	S. CENTER ST	PARKVIEW LN	1558	292	\$ 37,835.65
2027-2028	CARMEL CT	RIVER BLUFF DR	CUL-DE-SAC	165	59	\$ 7,656.98
2027-2028	SAINT MARK CIR	N. HALIFAX DR	CUL-DE-SAC	320	60	\$ 7,771.12
2027-2028	ROSEMARY ST	N US 1	END PUBLIC ROAD	348	65	\$ 8,451.09
2027-2028	JAMES ST	S. ORCHARD ST	GROOVER AVE	269	45	\$ 5,879.34
2027-2028	COTTON MILL CT	INDIAN HEAD DR	CUL-DE-SAC	314	82	\$ 10,598.41
2027-2028	BURNS ST	COLLINS ST	CAMEO DR	387	69	\$ 8,928.29
2027-2028	ALDEN PL	STANDISH DR	DIANNE DR	257	48	\$ 6,241.18
2027-2028	SOUTHWIND DR	N. HALIFAX DR	ELLCOTT DR	565	106	\$ 13,720.89
2027-2028	LAKE MEADOW WAY	PARK RIDGE WAY	PARK RIDGE WAY	670	126	\$ 16,270.78
2027-2028	WOODGATE CT	HAND AVE	CUL-DE-SAC	617	158	\$ 20,452.62

Total \$ **777,001.16**

Year	Name	FrSegment	ToSegment	Length	ASPHALT TONNAGE	REPAIR COST
2028-2029	INDIAN HEAD DR	ORMOND LAKES BLVD	CUL-DE-SAC	1768	364	\$ 47,096.09
2028-2029	OAKMONT CIR	S. ST. ANDREWS DR	S. ST. ANDREWS DR	3960	743	\$ 96,167.62
2028-2029	HULL RD	N. US 1	SPORTS COMPLEX	3600	675	\$ 87,425.11
2028-2029	TOMOKA OAKS BLVD	N. NOVA RD	TOMOKA OAKS COUNTRY CLUB	800	173	\$ 22,341.97
2028-2029	CARDINAL DR	S. ATLANTIC AVE	FLAMINGO DR	493	97	\$ 12,571.00
2028-2029	N ORCHARD ST	W. GRANADA BLVD	WILMETTE AVE	2500	469	\$ 60,711.88
2028-2029	JOHN ANDERSON DR	SR 40	NEPTUNE AVE	3689	692	\$ 89,586.46
2028-2029	NEPTUNE AVE	N. HALIFAX DR	OCEAN SHORE BLVD	2000	375	\$ 48,569.51
2028-2029	BRAMBLEWOOD LN	WHIPPOORWILL LN	HIDDEN HILLS DR	600	113	\$ 14,570.85
2028-2029	PINE ST	DIVISION AVE	HAND AVE	1317	222	\$ 28,784.72
2028-2029	QUEEN ANN CT	CUL-DE-SAC	CUL-DE-SAC	911	214	\$ 27,657.91
2028-2029	PRAIRIEVIEW LN	GREENVALE DR	CUL-DE-SAC	668	163	\$ 21,093.74
2028-2029	PINEHURST CIR	S. CENTER ST	CUL-DE-SAC	820	154	\$ 19,913.50
2028-2029	WILD CAT LN	ORMOND LAKES BLVD	CUL-DE-SAC	698	186	\$ 24,113.00
2028-2029	BUCKEYE RD	CHARDON RD	MILITARY BLVD	800	150	\$ 19,427.80
2028-2029	BOOTH RD	SR 40	OLD TOMOKA RD	2116	397	\$ 51,386.54
2028-2029	GINGER CIR	ANN RUSTIN DR	CUL-DE-SAC	400	75	\$ 9,713.90
2028-2029	FOREST HILLS BLVD	FERNWAY DR	SCOTTSDALE DR	264.1	50	\$ 6,413.60
2028-2029	FLORENCE ST	VINING CT	BOSARVEY DR	500	94	\$ 12,142.38
2028-2029	HANGAR WAY	HANGAR WAY	SUNSHINE AVIATION	413	77	\$ 10,029.60
2028-2029	OSCELOT CT	LAKEBLUFF DR	CUL-DE-SAC	311	81	\$ 10,525.56
2028-2029	SANDPIPER LN	350' WEST OF KNOLLWOOD	650' WEST OF KNOLLWOOD	300	56	\$ 7,285.43
2028-2029	PARKSIDE DR	EDGEWOOD WAY	OVERBROOK DR	400	75	\$ 9,713.90
2028-2029	RIVER ROCK TRL	SHADY BRANCH TRL	CUL-DE-SAC	200	38	\$ 4,856.95
2028-2029	CARSON DR	ASTON CIR	ASTON CIR	413	77	\$ 10,029.60
2028-2029	BROADMOOR CIR	S. CENTER ST	CUL-DE-SAC	820	154	\$ 19,913.50
2028-2029	HICKORY HILLS CIR	S. CENTER ST	CUL-DE-SAC	820	154	\$ 19,913.50
2028-2029	SANDY LAKE CIR	HAMMOCK LN	CUL-DE-SAC	398	117	\$ 15,199.83

Total \$ **807,155.44**

CAPITAL PROJECT DETAIL

PROJECT TITLE

Sidewalk Repair and Replacement

PROJECT#

CATEGORY

Transportation

FUND

308-Transportation

PROJECT LOCATION

Citywide

MANAGEMENT

Engineering

PROJECT SCOPE

Repair and Replace City sidewalks both within Parks and along City streets

JUSTIFICATION

Damage to sidewalks both in parks and along public streets is a significant ongoing maintenance challenge. In 2020 public works received 97 work orders for over 2,000 square yards of sidewalk. Of that total approximately 700 square yards was in City parks. This ongoing project seeks to repair sidewalk damage from tree roots, as well as normal wear and tear. The main focus for the initial rollout will be to repair the whole of a few exceptionally in-need neighborhoods, and install root barriers and geogrids to protect the new sidewalk so the City can avoid removing trees. Once the initial rollout is complete, the goal will be continuing maintenance within the City's streets and parks.

PROJECT COST METHODOLOGY

Cost based on construction costs received

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Sidewalks	112,000	112,000	112,000	112,000	112,000	560,000
Total	112,000	112,000	112,000	112,000	112,000	560,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes - Transportation	112,000	112,000	112,000	112,000	112,000	560,000
Total	112,000	112,000	112,000	112,000	112,000	560,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Street Light Maintenance

PROJECT#

308125

CATEGORY

Transportation

FUND

308-Transportation

PROJECT LOCATION

Nova Road

MANAGEMENT

Engineering

PROJECT SCOPE

Painting and maintenance of City street lights.

JUSTIFICATION

Maintenance of light posts to prevent against corrosion and normal wear.

PROJECT COST METHODOLOGY

Vendor Quotes

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Street Light Maintenance	25,000	25,000	25,000	25,000	25,000	125,000
Total	25,000	25,000	25,000	25,000	25,000	125,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes - Transportation	25,000	25,000	25,000	25,000	25,000	125,000
Total	25,000	25,000	25,000	25,000	25,000	125,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Traffic Signal Maintenance

PROJECT#

308115

CATEGORY

Transportation

FUND

308-Transportation

PROJECT LOCATION

City Wide

MANAGEMENT

Engineering

PROJECT SCOPE

Maintenance and upgrades to existing traffic signals to include repainting of traffic signals and other traffic control devices as needed on a City-wide basis. The attached schedule and map provides those intersections and the years for which maintenance has been assigned.

JUSTIFICATION

Normal wear and tear under extreme weather conditions requires refurbishing of these highly visible traffic signals to be required every 5-7 years. If regular maintenance including the painting of the mast arms is not performed, the mast arms are subject to corrosion and potential structural failure. The proposed schedule factors in the time since last painting and completes the current re-painting cycle. Inspection of these signals this spring indicates that they are wearing well and will likely be able to make it to the later part of the expected 5 -7 year life cycle (Year 6). We will continue to evaluate them on a yearly basis and if necessary make adjustments. We intend to repair 3 intersections per year.

PROJECT COST METHODOLOGY

Quote Provided by AM Weigel

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Signal Rehabilitation	80,000	84,000	88,200	92,600	97,500	442,300
Total	80,000	84,000	88,200	92,600	97,500	442,300

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes - Transportation	80,000	84,000	88,200	92,600	97,500	442,300
Total	80,000	84,000	88,200	92,600	97,500	442,300

CAPITAL PROJECT DETAIL

PROJECT TITLE

Pineland Trail Roadway Improvements

PROJECT#

CATEGORY

Transportation

FUND

308-Transportation

PROJECT LOCATION

Pineland Trail (Airport Road to Broadway)

MANAGEMENT

Engineering

PROJECT SCOPE

Reconstruction of Pineland Trail to City Roadway Standards, upgrade of roadway drainage facilities, construction of mixed use path along roadway.

JUSTIFICATION

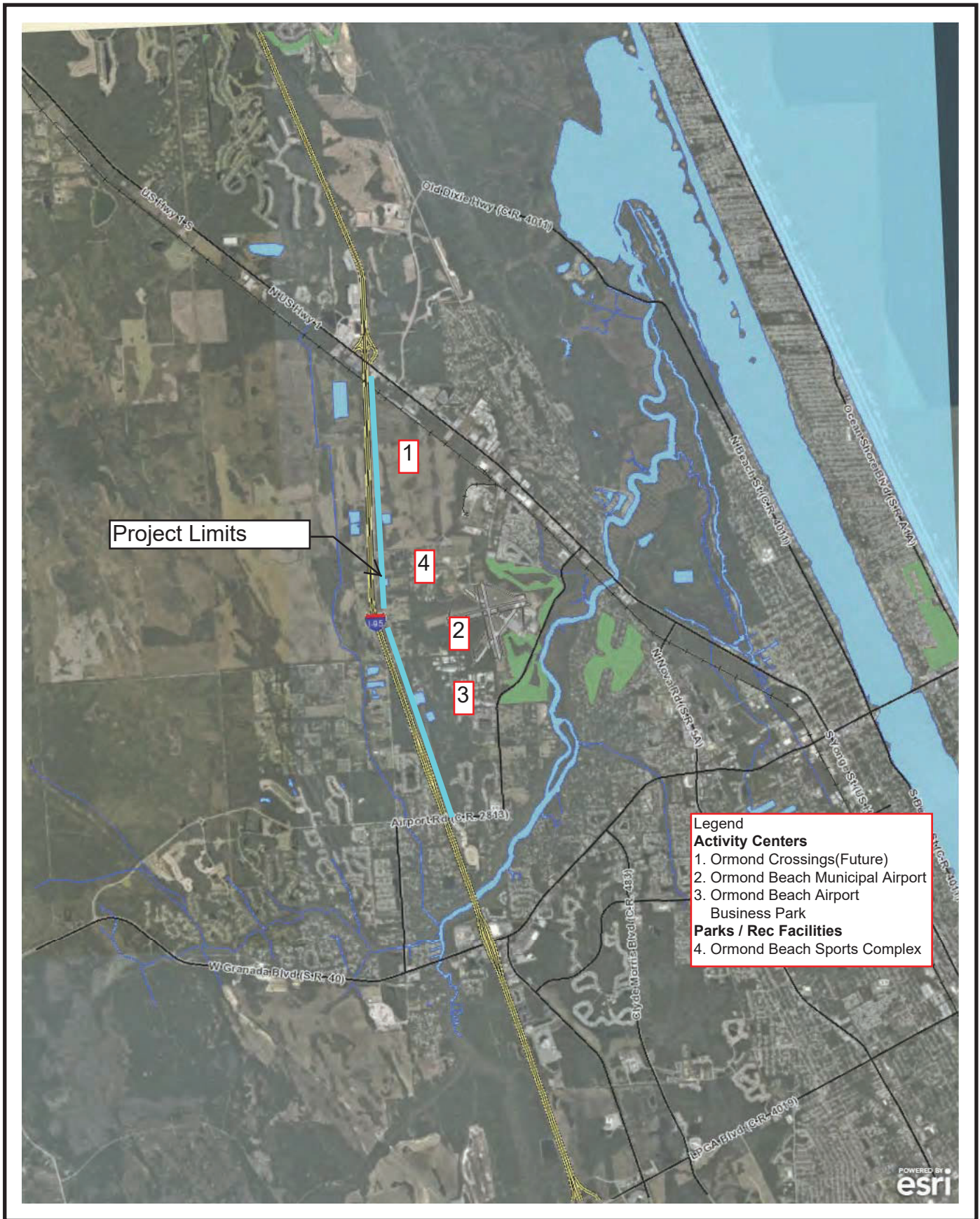
Pineland Trail was originally constructed by Volusia County. Although recent paving projects have improved the drivability of the roadway. This project will bring this roadway, designated as a Minor Arterial Roadway, up to City Standard roadway conditions. Development activity in this area, including the construction of Security First property at Ormond Crossings and the current extension of Business Park Drive would increase use of this roadway as an important north-south roadway within the City of Ormond Beach. Improving drainage facilities in this corridor provides an additional benefit for the properties along Pineland Trail, and the construction of a mixed use path further promotes the City's Trail network by providing access to the Ormond Beach Sports Complex facilities from Airport Road and future sidewalk along US 1.

PROJECT COST METHODOLOGY

Estimates are base upon unit pricing from recent bids of similar roadway projects within the City.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	0	0	0	5,721,883	0	5,721,883
Design	0	0	0	858,282	0	858,282
Construction Admin/Engineering	0	0	0	572,188	0	572,188
Total	0	0	0	7,152,353	0	7,152,353

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
River to Sea TPO Grant Funding	0	0	0	4,770,315	0	4,770,315
Bonds	0	0	0	2,382,038	0	2,382,038
Total	0	0	0	7,152,353	0	7,152,353



LOCATION MAP
Pineland Trail Location Map



City of Ormond Beach
4/17/24

Proposed Roadway Improvements – Pineland Trail

Project notes: Total length of route, from Airport Road to Broadway Avenue is approximately 3.95 miles. This project includes 10' Sidewalk, drainage improvements and roadway upgrades.

Airport Road to Broadway Avenue, route distance 3.95 miles 20,825.00 ft

Project Probable Cost

Construction

Item No.	Description	Estimated Quantity	Unit	Unit Price	Item Price
1	Mobilization/ Demobilization (~5%)	1	LS	\$199,000.00	\$199,000.00
2	Maintenance of Traffic	1	LS	\$120,000.00	\$120,000.00
3	Erosion, Sediment, and Turbidity Control	1	LS	\$61,000.00	\$61,000.00
4	As-Builts & Survey Site Layout	1	LS	\$40,000.00	\$40,000.00
5	Mill Existing Surface	46,278	SY	\$3.75	\$173,542.50
6	Mill and Remove existing Asphalt and Base	0	SY	\$5.50	\$0
7	2" SP-9.5 ASPHALT	55,533	SY	\$14.00	\$777,462.00
8	12" Stabilized Subgrade	13,883	SY	\$11.00	\$152,713.00
9	8" Crushed Concrete Base	9,256	SY	\$22.00	\$203,632.00
10	CONCRETE SIDEWALK & DRIVEWAYS, 4"	23,139	SY	\$58.00	\$1,342,062.00
11	Drainage Swale Modification	10,413	LF	\$100.00	\$1,041,300.00
12	CONCRETE CURB & GUTTER, TYPE F	41,650	LF	\$20.00	\$833,000.00
13	Utility Relocation and adjustments	1	LS	\$25,000.00	\$25,000.00
14	Furnish & Install ADA Ramp and Detectable Pad	8	EA	\$400.00	\$3,200.00
15	Furnish & Install Bahia Sod	28,960	SY	\$5.00	\$144,800.00
16	Thermoplastic Striping	1	LS	\$25,000.00	\$25,000.00
17	Furnish and Install Signage	1	LS	\$10,000.00	\$10,000.00
18	Geotechnical Services	1	LS	\$50,000.00	\$50,000.00

			\$5,201,711.50	TPO Funding	City Match
	Contingency	10%	\$ 520,171.15		
	Construction Budget		\$5,721,883	\$4,148,100	\$460,900
	Engineering	15%	\$858,282	\$622,215	\$69,135
	Construction Administration / Engineering	10%	\$572,188	\$414,810	\$46,090
	TOTAL PROBABLE PROJECT COST		\$7,152,353	\$4,562,910	\$506,990

CAPITAL PROJECT DETAIL

PROJECT TITLE

US 1 North Sidewalk

PROJECT#

308236

CATEGORY

Transportation

FUND

308-Transportation

PROJECT LOCATION

North US 1 Between Wilmette Ave. and Broadway A

MANAGEMENT

Engineering

PROJECT SCOPE

Construction of an eight foot wide sidewalk along US 1 in two phase connecting Wilmette Avenue, Nova Road, Airport Road, and Airport Road to Broadway Ave.

JUSTIFICATION

The Florida Department of Transportation working with the River to Sea TPO completed a report for the US 1 Corridor Improvement Program in April, 2014. A component in this report is the construction of a connecting sidewalk along US 1, north from Wilmette Avenue connecting northern areas to the central City core. This project proposes extending sidewalk to the northern City Limits in a phase project. In Phase 1, a connection is proposed that connects Wilmette Avenue to Nova Road, across the Tomoka River, and to Airport Road for use by pedestrians and bicyclists. Phase 2 continues this project extending northerly from Airport Road, connecting Hull Road, and Broadway Avenue. Design and construction of Phase 1, and design of Phase 2 will occur within this five year period, construction of Phase 2 would be planned in year 6.

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction PH 1	0	0	0	1,593,240	0	1,593,240
Design PH 2	0	0	0	422,231	0	422,231
Design PH 1	0	0	0	238,986	0	238,986
Construction Admin/ Engineering PH 1	0	0	0	159,324	0	159,324
Construction PH 2	0	0	0	0	2,814,874	2,814,874
Construction Admin/ Engineering PH 2	0	0	0	0	281,487	281,487
Total	0	0	0	2,413,781	3,096,361	5,510,142

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

US 1 North Sidewalk

308236

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
TPO Grant (pending)	0	0	0	1,735,650	0	1,735,650
Bonds	0	0	0	678,131	3,096,361	3,774,492
Total	0	0	0	2,413,781	3,096,361	5,510,142

317-FACILITIES RENEWAL AND REPLACEMENT FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

Central Park 3 Overlook Replacement

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Central Park 3

MANAGEMENT

Engineering

PROJECT SCOPE

Rebuild the Wooden Overlook

JUSTIFICATION

This overlook was constructed when the park was built in the early 90's. decking has been replace multiple times, but now the stringers underneath are deteriorating to the point that fasteners will not catch in the pressure treated lumber. The overlooks needs to be rebuilt completely.

PROJECT COST METHODOLOGY

Quote by Custom Built Docks and Includes Project Management Fee

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Repair	36,000	0	0	0	0	36,000
Total	36,000	0	0	0	0	36,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	36,000	0	0	0	0	36,000
Total	36,000	0	0	0	0	36,000

Proposal

CUSTOM BUILT DOCKS, INC

2572

Licensed Marine Contractors

22 Village Dr.

ORMOND BEACH, FLORIDA 32174

(386) 547-5340 (386) 673-9802

ATT - CARA CULLIVER www.custombuiltdocks.com

PROPOSAL SUBMITTED TO CITY OF ORMOND BEACH	PHONE 676-3288	DATE 4/9/24
STREET 501 N ORCHARD ST	JOB NAME DOCK REPAIRS	
CITY, STATE and ZIP CODE ORMOND Bch, FL, 32174	JOB LOCATION CENTRAL PARK (HAMMOCK)	
ARCHITECT	DATE OF PLANS	JOB PHONE

We propose hereby to furnish material and labor – complete in accordance with specifications below, for the sum of:

TWENTY EIGHT THOUSAND TWO HUNDRED dollars (\$ **28,200.**)

Payment to be made as follows:

T · B · D

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from specifications below involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

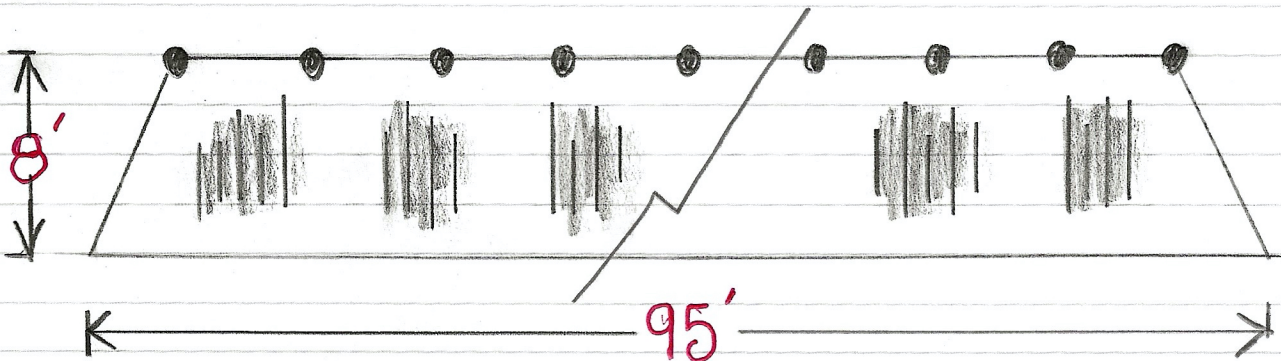
Authorized Signature

Dean J. [Signature]

Note: This proposal may be withdrawn by us if not accepted within **21** days.

We hereby submit specifications and estimates for:

ALL LABOR / MATERIALS AND EQUIPMENT NECESSARY TO REMOVE ALL FRAME / DECK / GUARDRAIL AND REPLACE NEW AS SPECIFIED BELOW.



SPECIFICATIONS

- ALL DECKING / GUARDRAIL / STRINGERS REMOVED / REPLACED.
- ALL PILING / JOISTS REMAIN
- ALL LUMBER ACQ #1 GRADE DSS
- ALL HARDWARE STAINLESS STEEL
- ALL DECKING / GUARDRAIL SCREWED.

Acceptance of Proposal — The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date of Acceptance: _____

Signature _____

CAPITAL PROJECT DETAIL

PROJECT TITLE

Fire Station 91 Playground Replacement

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Fire Station 91

MANAGEMENT

Leisure Services

PROJECT SCOPE

Fire Station 91 Playground Replacement

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Playground Equipment	185,000	0	0	0	0	185,000
Total	185,000	0	0	0	0	185,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	185,000	0	0	0	0	185,000
Total	185,000	0	0	0	0	185,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Fire Station bay floor and concrete repair

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Fire Stations 91, 92, 93 & 94

MANAGEMENT

PROJECT SCOPE

Resurfacing of apparatus bay floors and concrete driveway repairs at fire stations

JUSTIFICATION

The apparatus bay floors at Stations 91 & 92 have been deteriorating over a number of years, creating slip/debris hazards (chipping up during routine cleaning), and unsightly appearance. This project would include stripping coatings and returning the floors to a finished concrete surface, similar to Stations 93 & 94, increasing durability and improving appearance. Additional concrete work would be included in this request, to repair driveway areas at fire stations that have deteriorated over time.

PROJECT COST METHODOLOGY

TBD

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Bay floor and concrete repair	60,000	60,000	0	0	0	120,000
Total	60,000	60,000	0	0	0	120,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	60,000	60,000	0	0	0	120,000
Total	60,000	60,000	0	0	0	120,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Fire Station 93 HVAC installation

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Fire Station 93

MANAGEMENT

Fire Department

PROJECT SCOPE

Install HVAC to east side portion of FS 93

JUSTIFICATION

This request is to install HVAC system to the east side of Station 93. This portion of the station currently houses PPE and EMS supply storage rooms. This portion of the station was originally open to the apparatus bay, but was enclosed approx. 15 years ago to separate these functional areas from the diesel exhaust in the bay. They were never put under HVAC, and have contributed to moisture/mildew issues, which effect the storage of PPE and supplies.

PROJECT COST METHODOLOGY

TBD

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
HVAC system and installation	40,000	0	0	0	0	40,000
Total	40,000	0	0	0	0	40,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	40,000	0	0	0	0	40,000
Total	40,000	0	0	0	0	40,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Nova Magic Forest Playground Repairs

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Nova Recreation

MANAGEMENT

Leisure Services

PROJECT SCOPE

Magic Forest Playground Repairs

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Repairs	25,000	0	0	0	0	25,000
Total	25,000	0	0	0	0	25,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	25,000	0	0	0	0	25,000
Total	25,000	0	0	0	0	25,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Nova Skate Park Hand Rails

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Nova Recreation

MANAGEMENT

Leisure Services

PROJECT SCOPE

Nova Skate Park Hand Rail Replacement

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Hand Rail Replacement	25,000	0	0	0	0	25,000
Total	25,000	0	0	0	0	25,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	25,000	0	0	0	0	25,000
Total	25,000	0	0	0	0	25,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Sanchez Fishing Pier

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Sanchez Park

MANAGEMENT

Leisure Services

PROJECT SCOPE

Fishing pier repairs

JUSTIFICATION

The existing 340 lineal feet pier is in need of replacement. The cost includes all new complete dock structure including pilings, frame and deck, see attached quote from Custom Built Docks.

PROJECT COST METHODOLOGY

Current Quote and Includes Project Management Fee

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Replacement	170,000	0	0	0	0	170,000
Total	170,000	0	0	0	0	170,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	170,000	0	0	0	0	170,000
Total	170,000	0	0	0	0	170,000

Proposal

CUSTOM BUILT DOCKS, INC

2573

Licensed Marine Contractors

22 Village Dr.

ORMOND BEACH, FLORIDA 32174

(386) 547-5340 (386) 673-9802

ATTN: CARA CULLIVER www.custombuiltdocks.com

PROPOSAL SUBMITTED TO CITY OF ORMOND BCH	PHONE 6076-3288	DATE 4/14/24
STREET 501 N ORCHARD ST	JOB NAME SANCHEZ PARK PIER	
CITY, STATE and ZIP CODE ORMOND BCH, FL, 32174	JOB LOCATION SANCHEZ PARK	
ARCHITECT	DATE OF PLANS	JOB PHONE

We propose hereby to furnish material and labor - complete in accordance with specifications below, for the sum of:

ONE HUNDRED THIRTY NINE THOUSAND FIVE HUNDRED ^{HUNDRED} 139,500.00 dollars (\$)

Payment to be made as follows:

① T.B.D

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from specifications below involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

Authorized Signature

Dean Jaggott

Note: This proposal may be withdrawn by us if not accepted within 21 days.

We hereby submit specifications and estimates for:

ALL LABOR / MATERIALS AND EQUIPMENT NECESSARY TO REMOVE COMPLETE DOCK STRUCTURE (PILING'S, FRAME, DECK) AND REPLACE NEW AS SPECIFIED BELOW.

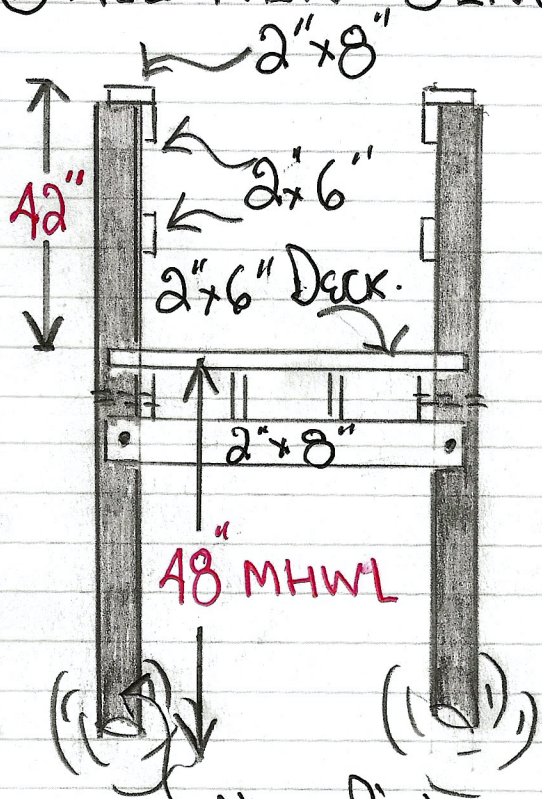
- ① ALL NEW STRUCTURE 6' x 340' WALKWAY, 6' x 67' ACCESS WALKWAY'S CONSTRUCTED SAME LOCATION / FOOTPRINT AS EXISTING.
- ② ALL NEW BENCH'S 6 @ 8' LONG.

SPECIFICATIONS

EXISTING REMOVED/HAULED AWAY

ALL LUMBER DSS #1 P/T
ALL PILING'S CCA 2.5 8" BUTT
ALL HARDWARE STAINLESS
ALL DECKING SCREWED DOWN
ALL GUARDRAIL SCREWED.

PIER CONSTRUCTED 18" HIGHER THAN EXISTING.



NEW PILING 10' PENETRATION

Acceptance of Proposal - The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Signature _____

Date of Acceptance: _____

Signature _____

CAPITAL PROJECT DETAIL

PROJECT TITLE

Shell Parking lot

PROJECT#

CATEGORY

Facility Construction and Renovation

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Citywide

MANAGEMENT

Engineering

PROJECT SCOPE

Add shell to all unpaved city parking lots

JUSTIFICATION

Each of the unpaved parking lots are in need of annual replenishment of materials. This project removes the burden of this cost from the parks and streets operating accounts.

PROJECT COST METHODOLOGY

Based on similar projects

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Shell Parking	51,000	51,000	51,000	51,000	51,000	255,000
Total	51,000	51,000	51,000	51,000	51,000	255,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	51,000	51,000	51,000	51,000	51,000	255,000
Total	51,000	51,000	51,000	51,000	51,000	255,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

OBSC Playground Replacement

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

OBSC

MANAGEMENT

Leisure Services

PROJECT SCOPE

OBSC Playground Replacement at Soccer Fields

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Playground Equipment	0	115,000	0	0	0	115,000
Total	0	115,000	0	0	0	115,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	0	115,000	0	0	0	115,000
Total	0	115,000	0	0	0	115,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Riviera Park Fishing Pier

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Riviera Park

MANAGEMENT

Leisure Services

PROJECT SCOPE

Rebuild Fishing Pier

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	0	250,000	0	0	0	250,000
Total	0	250,000	0	0	0	250,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	0	250,000	0	0	0	250,000
Total	0	250,000	0	0	0	250,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Bailey Riverbridge Garden Fishing Pier

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Bailey Riverbridge Garden

MANAGEMENT

Leisure Services

PROJECT SCOPE

Repairs of fishing pier

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Repairs	0	0	140,000	0	0	140,000
Total	0	0	140,000	0	0	140,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	0	0	140,000	0	0	140,000
Total	0	0	140,000	0	0	140,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Central Park II Playground Equipment

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Central Park II

MANAGEMENT

Leisure Services

PROJECT SCOPE

Central Park II Playground Equipment Replacement

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Playground Equipment	0	0	130,000	0	0	130,000
Total	0	0	130,000	0	0	130,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	0	0	130,000	0	0	130,000
Total	0	0	130,000	0	0	130,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Nova Magic Forest Repairs

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Nova Recreation

MANAGEMENT

Leisure Services

PROJECT SCOPE

Nova Magic Forest Repairs

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Repairs	0	0	58,000	0	0	58,000
Total	0	0	58,000	0	0	58,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	0	0	58,000	0	0	58,000
Total	0	0	58,000	0	0	58,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Nova Recreation Batting Cage Repairs

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

Nova Recreation

MANAGEMENT

Leisure Services

PROJECT SCOPE

Batting cage repairs

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Repairs	0	0	0	30,000	0	30,000
Total	0	0	0	30,000	0	30,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	0	0	0	30,000	0	30,000
Total	0	0	0	30,000	0	30,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

OBSC Limitless Playground Phase II

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

OBSC

MANAGEMENT

Leisure Services

PROJECT SCOPE

Phase II replacement of playground equipment components

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Component Replacement	0	0	0	100,000	0	100,000
Total	0	0	0	100,000	0	100,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	0	0	0	100,000	0	100,000
Total	0	0	0	100,000	0	100,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

OBSC Shade Structure Supports

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

OBSC

MANAGEMENT

Leisure Services

PROJECT SCOPE

Replacement shade structure supports near soccer fields

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Repairs	0	0	0	75,000	0	75,000
Total	0	0	0	75,000	0	75,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	0	0	0	75,000	0	75,000
Total	0	0	0	75,000	0	75,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

SONC Ballfield Renovations

PROJECT#

CATEGORY

Facilities Renewal and Replacement

FUND

317-Facilities Renewal and Replacement

PROJECT LOCATION

SONC

MANAGEMENT

Leisure Services

PROJECT SCOPE

Renovation of ballfields

JUSTIFICATION

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Renovations	0	0	0	125,000	0	125,000
Total	0	0	0	125,000	0	125,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-Facilities R&R	0	0	0	125,000	0	125,000
Total	0	0	0	125,000	0	125,000

322-LEISURE SERVICES CAPITAL FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

OBSC Softball Field Reconstruction

PROJECT#

CATEGORY

Recreation and Cultural Facility Improvements

FUND

322-Leisure Services Capital Fund

PROJECT LOCATION

OBSC

MANAGEMENT

PROJECT SCOPE

Rehabilitate fields

JUSTIFICATION

The fields have reached a point where maintenance of the fields is becoming costlier. Refurbishing the fields will result in a more consistent playing surface and help extend the lifespan of the fields. Over time, natural wear and tear, weather conditions, and heavy usage can deteriorate the playing surface. Refurbishment of the fields will enhance play. Additional, replacement of four shade structures and fencing is proposed.

PROJECT COST METHODOLOGY

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Field Reconstruction	400,000	0	0	0	0	400,000
Shade Structures and Fencing	400,000	0	0	0	0	400,000
Total	800,000	0	0	0	0	800,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-LS	400,000	0	0	0	0	400,000
Echo Grant	400,000	0	0	0	0	400,000
Total	800,000	0	0	0	0	800,000



REPLACE SHADE STRUCTURES (TYPICAL)

RE-GRADE SOFTBALL FIELD INFIELDS (TYPICAL)

DRAWING STATUS	
<input type="checkbox"/>	DRAFT
<input type="checkbox"/>	PERMIT
<input type="checkbox"/>	BID
<input type="checkbox"/>	ADDENDA
<input type="checkbox"/>	CONSTRUCTION
<input type="checkbox"/>	RECORD

NO.	DATE	REVISIONS	BY

City of Ormond Beach
Engineering Division

BILL PARTINGTON, MAYOR
JOYCE SHANAHAN, CITY MANAGER

ALEX SCHUMANN, P.E. CITY ENGINEER

**AIRPORT SPORTS COMPLEX
SOFTBALL QUAD REHABILITATION**

SCOPE OF WORK

DATE: 5/9/24	PROJECT NO.:
SCALE:	FILE NAME:
DRAWN BY: MC	SHEET: 1 of 1

CAPITAL PROJECT DETAIL

PROJECT TITLE

Nova Field #1 Relocation

PROJECT#

CATEGORY

Recreation and Cultural Facility Improvements

FUND

322-Leisure Services Capital Fund

PROJECT LOCATION

Nova Community Center

MANAGEMENT

Engineering/Leisure Services

PROJECT SCOPE

Relocate the field, restroom building and bleachers

JUSTIFICATION

Nova Field #1 is one of the oldest fields in the city. The fields have also reached a point where maintenance of the fields is becoming costlier. This field is separate from the other four fields at Nova Recreation Center which is not an optimal situation for users of the field. In lieu of repairing the existing field, the property could be converted to a passive use and a new ballfield and amenities would be constructed near fields 2-5, if possible, or at the OBSC.

PROJECT COST METHODOLOGY

Based on similar project costs

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Technical Engineering	100,000	0	0	0	0	100,000
Design & Construction	0	900,000	500,000	0	0	1,400,000
Total	100,000	900,000	500,000	0	0	1,500,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Property Taxes-LS	100,000	450,000	500,000	0	0	1,050,000
Echo Grant	0	450,000	0	0	0	450,000
Total	100,000	900,000	500,000	0	0	1,500,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Central Park Trail Systems

PROJECT#

NA

CATEGORY

Recreation and Cultural Facility Improvements

FUND

322-Leisure Services Capital Fund

PROJECT LOCATION

Central Park

MANAGEMENT

Engineering

PROJECT SCOPE

Construction (3) wooden land bridges, concrete sidewalks, wood boardwalk, perform selective pruning and invasive plant removal. Installation of outdoor amphitheater will be determine when a master plan for the island is designed.

JUSTIFICATION

The EDC was completed in 2016. The existing island, west of the EDC building is the prime location for the first outdoor encounter area within Central Park. Connecting this island with two wooden land bridges will provide connectivity to the existing concrete trail system, allow better pedestrian access within the park and will eliminate the dead-end trail north of Division Avenue. The concrete trail/ elevated boardwalk will provide connectivity from the EDC to the existing elevated wooden walkway to the east where a amphitheater is planned. With recently acquiring the Duncan Property and completion of the Parks & Recreation Master Plan which identifies that 69 percent of Ormond Beach residents want more walking and hiking nature trails. The attached Central Park trail system map, expands this idea by incorporating a 10' wide concrete primary trail which will connect to the existing north & south trails. Future secondary trail systems will branch of the primary which will include boardwalk overlooks and other outdoor amenities.

PROJECT COST METHODOLOGY

Based on actual construction costs to construct wooden land bridges, docks and concrete sidewalk.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	0	0	0	1,000,000	0	1,000,000
Total	0	0	0	1,000,000	0	1,000,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Central Park Trail Systems

NA

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Echo Grant	0	0	0	500,000	0	500,000
Property Taxes-LS	0	0	0	500,000	0	500,000
Total	0	0	0	1,000,000	0	1,000,000

408-WATER WASTEWATER VEHICLE AND EQUIPMENT FUND

CAPITAL PROJECT DETAIL

PROJECT TITLE

Vehicle Replacement-Water & WWW

PROJECT#

408VEH

CATEGORY

Vehicle and Equipment Replacement

FUND

408-Water and Wastewater Vehicle Repl.

PROJECT LOCATION

Various City Departments

MANAGEMENT

Fleet

PROJECT SCOPE

The project involves the continued implementation of a comprehensive vehicle replacement schedule for the City's fleet. Vehicles beyond the first year of the program will be evaluated at the appropriate time. These vehicles are being shown for scheduling purposes only and will not necessarily be replaced in the year shown.

JUSTIFICATION

The replacement schedule has been designed to replace vehicles which have been identified by the Fleet Manager as: 1) incurring the greatest maintenance expense over the life of the vehicle, 2) reaching or exceeding their expected life in terms of age, and 3) having relatively high mileage. The benefits of the replacement program are reflected in the reduction of the City's Fleet Maintenance operating and labor costs, as well as lower vehicle downtime which in turn increases service availability to the community.

PROJECT COST METHODOLOGY

State contract pricing.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Vehicle Replacement	850,000	0	0	0	0	850,000
Total	850,000	0	0	0	0	850,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	850,000	0	0	0	0	850,000
Total	850,000	0	0	0	0	850,000

CIP Work Sheet FY 2024-25

International Dump	2003	Wastewater	352	250,000
sterling 14/16 yard dump	2006	Wastewater	368	300,000
sterling 14/16 yard dump	2006	Wastewater	369	300,000
Total Water & Wastewater				850,000



**409-WATER WASTEWATER CAPITAL IMPROVEMENT FUND
ANNUAL PROJECTS**

CAPITAL PROJECT DETAIL

PROJECT TITLE

Fire Hydrant and Valve Expansion Program

PROJECT#

CATEGORY

Water and Wastewater Improvements

FUND

409-Water and Wastewater R and R (Annual)

PROJECT LOCATION

City Service Area

MANAGEMENT

Utilities

PROJECT SCOPE

Installation of fire hydrants and valves throughout the City's service area

JUSTIFICATION

Current Land Development Code (LDC) standards dictate the installation of a fire hydrant on potable lines every 500 lineal feet and valves on any utility transmission mains every 1,000 lineal feet. These standards were implemented to provide adequate fire protection and also to reduce the amount of customers affected during any utility outage. These standards, however, are not currently reflected in the regions of the City's service area that were constructed prior to the standards being implemented. This program is intended to allow the City to add or replace fire hydrants and valves in these regions to bring these non-conforming sections up to current standards.

PROJECT COST METHODOLOGY

Staff Estimates and historical costs

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	175,000	175,000	175,000	175,000	175,000	875,000
Total	175,000	175,000	175,000	175,000	175,000	875,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	175,000	175,000	175,000	175,000	175,000	875,000
Total	175,000	175,000	175,000	175,000	175,000	875,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

General Facility and System Upgrades

PROJECT#

409221/409222

CATEGORY

Water and Wastewater Improvements

FUND

409-Water and Wastewater R and R (Annual)

PROJECT LOCATION

Water Plant & Reclamation Facility

MANAGEMENT

Utilities

PROJECT SCOPE

An annual allocation to fund water and wastewater plants and lift stations critical equipment emergency repairs and scheduled replacement.

JUSTIFICATION

In order for the City to remain reliable and efficient in the operation and maintenance of its water and wastewater system, reoccurring maintenance of critical equipment replacement at the WTP and WRF is necessary. Emergency repairs of failed equipment is included. Equipment replacement examples are for pumps, motors, gear boxes, valves, mixers, instrumentation, SCADA equipment, recycle and transfer pump stations, clarifiers, sludge return pump building, filters and chlorine contact tank, chemical storage tanks, generator and control buildings, the centrifuge structure and safety components such as hand railings, non-skid grating and stairs.

PROJECT COST METHODOLOGY

Historical expenditures and Cost Estimates

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Upgrades-Water 409221	425,000	425,000	425,000	425,000	425,000	2,125,000
Upgrades-Wastewater 409222	425,000	425,000	425,000	425,000	425,000	2,125,000
Total	850,000	850,000	850,000	850,000	850,000	4,250,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	850,000	850,000	850,000	850,000	850,000	4,250,000
Total	850,000	850,000	850,000	850,000	850,000	4,250,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Lift Station Rehabilitation

PROJECT#

409231

CATEGORY

Water and Wastewater Improvements

FUND

409-Water and Wastewater R and R (Annual)

PROJECT LOCATION

WW Collection System - Various

MANAGEMENT

Utilities

PROJECT SCOPE

Rehabilitation of wastewater lift station wetwell and valve vault structures and replacement of lift station electrical and mechanical equipment. A work authorization for the design of lift station 4P Rehabilitation has been executed with McKim & Creed.

JUSTIFICATION

In order for the City to encourage reliable and efficient operation and maintenance of its wastewater collection system, a planned schedule of improvement and a commitment to investing in regular system improvements is necessary. Many of the components in the wastewater lift station system have been in service for several decades. The 2015 Water/ Wastewater Master Plan Update identified specific needs and established a priority for implementation of the City lift station system rehabilitative needs. Additionally, operations staff assesses current year facility operations and makes determination as to the level of rehabilitation necessary to effect efficient operations. maintenance support reported by operational staff. Periodic power service and pump upgrades are recommended based upon increased pressure conditions encountered in adjacent force main systems serving the area.

PROJECT COST METHODOLOGY

Recent Projects Bids and Staff provided Costs

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Lift Station 4P Rehabilitation	1,383,362	0	0	0	0	1,383,362
Future Lift Station Rehabilitation	0	600,000	600,000	600,000	0	1,800,000
Breakaway Trails Valve Vault Rehab	0	0	0	0	0	0
Lift Station 11M Rehab	0	0	0	0	0	0
Sports Complex Lift Station Rehab	0	0	0	0	0	0
Lift Station 4P Rehabilitation Design	0	0	0	0	0	0
Total	1,383,362	600,000	600,000	600,000	0	3,183,362

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Lift Station Rehabilitation

409231

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Bonds	1,383,362	0	0	0	0	1,383,362
Water & Sewer Charges	0	600,000	600,000	600,000	0	1,800,000
Total	1,383,362	600,000	600,000	600,000	0	3,183,362

CAPITAL PROJECT DETAIL

PROJECT TITLE

Manhole Rehabilitation Program

PROJECT#

CATEGORY

Wastewater System Improvements

FUND

409-Water and Wastewater R and R (Annual)

PROJECT LOCATION

Throughout Service Area

MANAGEMENT

Utilities

PROJECT SCOPE

Rehabilitation of manholes throughout the City's Service Area

JUSTIFICATION

There are in excess of 4,100 public manholes in the sanitary collection system. Based upon field observation, City staff believe approximately 550 manholes are in need of repair. Manhole repair operations would include, but not be limited to, plugging leaks, removing loose material, removing tree roots, overall cleaning, and installation of a cementitious liner product to protect the manhole against hydrogen sulfide (H2S) gas commonly found in collection systems. Staff currently believes the cost per manhole rehabilitation will average \$5,000 per manhole when contracted out. Staff does not currently have the ability to repair manholes in house. Rehabilitating these manholes will also decrease the likelihood of roadway failure in the vicinity of the manholes.

PROJECT COST METHODOLOGY

Staff Estimates and historical costs

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	150,000	150,000	150,000	150,000	150,000	750,000
Total	150,000	150,000	150,000	150,000	150,000	750,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	150,000	150,000	150,000	150,000	150,000	750,000
Total	150,000	150,000	150,000	150,000	150,000	750,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Meter Installation

PROJECT#

409178

CATEGORY

Water and Wastewater Improvements

FUND

409-Water and Wastewater R and R (Annual)

PROJECT LOCATION

Distribution System - City Wide

MANAGEMENT

Utilities Division

PROJECT SCOPE

Estimated new meter purchases for both residential and commercial applications. Purchase of repair and replacement equipment for meter register components. Meter testing results indicate the existing aged meters sampled were within acceptable tolerance ranges for accuracy. Future year testing will be performed from time to time to determine frequency of necessary meter replacement activities. Estimated Commercial Meter Needs: 3/4" (100 ea.), 1" (25 ea.), 1-1/2" - 2" (25 ea.), 3" (5 ea.), 4" & above (5 ea.). Estimated Residential Meter Needs to include irrigation meter requests: 3/4 - 1" (100 ea.).

JUSTIFICATION

New meters are required to be purchased, for installation by distribution system crew staff, for all new residential and commercial development project requests during the annual period. New commercial and residential meter requests fluctuate from year to year and staff has estimated the anticipated meter purchase needs for the upcoming year. Future year needs will be adjusted based upon rate of development indicators. Additionally, meter replacement needs are also currently funded from this budget allocation.

PROJECT COST METHODOLOGY

Recent purchase prices contained in current purchase agreement with Sunstate (Neptune) Meters.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Residential Meters - 3/4" & 1"	350,000	200,000	100,000	100,000	100,000	850,000
Commercial Meters - Various Sized	60,000	60,000	60,000	60,000	60,000	300,000
Electronic Register R/R	10,000	10,000	10,000	10,000	10,000	50,000
Total	420,000	270,000	170,000	170,000	170,000	1,200,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	420,000	270,000	170,000	170,000	170,000	1,200,000
Total	420,000	270,000	170,000	170,000	170,000	1,200,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Pretreatment Effluent Pump Replacement

PROJECT#

409177

CATEGORY

Water and Wastewater Improvements

FUND

409-Water and Wastewater R and R (Annual)

PROJECT LOCATION

West Ormond Low Pressure Sewer System

MANAGEMENT

Utilities

PROJECT SCOPE

Intended rehabilitation efforts include replacement of approximately 50 low-pressure effluent pump systems per year with more durable cast iron pumps in the West Ormond low pressure sewer system. Additionally, the project includes rehabilitation of approximately 25 systems to include necessary tank and riser repairs and pump replacement. The project also includes an estimated 10 new PEP System installation per year for developing lots.

JUSTIFICATION

The wastewater system in a portion of West Ormond (HR/ BAT areas) utilizes a low pressure pump to pump wastewater after primary treatment from each home's pretreatment effluent tank system consisting of approximately 1,600 PEP tanks. The original and historic replacement pumps have exhibited a relatively short life cycle ranging from 3 to 5 years. The tank itself has a life expectancy of 15 years and many tanks are at that age now.

Several original low-pressure pumps, Type E-3 and Type ME-40 were made of less durable materials and were replaced over the years with a more durable pump system. The expected life of the replacement pumps, Tsurumi 4-PSHA are found to add 3 plus years of useful life than previous models used. The PEP tank rehabilitation costs include removal of accumulated solids and replacement of components found deteriorated to include: electrical junction and control box, pump and chamber, float, riser and redundant check valve.

PROJECT COST METHODOLOGY

Updated PEP System Tank, Components and Pump Quotations from existing and interested vendors

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
PEP System Rehabilitation	235,000	235,000	235,000	235,000	235,000	1,175,000
PEP System Tank Systems	65,000	65,000	65,000	65,000	65,000	325,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Pretreatment Effluent Pump Replacement

409177

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Sanitary Sewer Inflow Infiltration

PROJECT#

409179

CATEGORY

Water and Wastewater Improvements

FUND

409-Water and Wastewater R and R (Annual)

PROJECT LOCATION

Wastewater Collection System

MANAGEMENT

Engineering

PROJECT SCOPE

The updated Utility Master Plan recommends that a City-wide Sanitary Sewer investigation and repair project be undertaken to address Infiltration and inflow that is occurring.

JUSTIFICATION

Inflow and infiltration can result in surcharging of sewer lines, hydraulic overload of the pump stations and inadequate treatment at the plant because of the increased hydraulic loading. In economic terms, the effects of inflow and infiltration result in the City incurring additional costs to collect, pump, treat and dispose of surface water and groundwater that are flowing into the system. Furthermore, I/I reductions can extend the capacity life of the facility by reducing unnecessary groundwater and surface water flows to the collection system. Many of the older system sanitary manholes are constructed of brick and have a higher likelihood of leakage compared to newer precast concrete manholes meeting current standards. Re-lining the old brick manholes with corrosion-resistant material has been found effective to reduce inflow and infiltration and prolong manhole life. There are in excess of 2800 public manholes in the Sanitary collection system. Current observations show a failure rate of approximately 20%, that is, an estimated 550 manholes.

A significant portion of gravity sewer pipeline consists of old clay pipe with joints every five (5) feet. Consequently, these pipelines need to be assessed periodically to determine whether infiltration is occurring as a result of needed repairs. Many of the older system sanitary manholes are constructed of brick and have a higher likelihood of leakage compared to newer precast concrete manholes meeting current standards. Re-lining the old brick manholes with corrosive resistant material has been found effective to reduce inflow and infiltration and prolong manhole life. Force mains provide the corridors for pumped sewerage received by the City's collection system.

PROJECT COST METHODOLOGY

Updated Master Plan. Actual pipeline repair costs will be determined once gravity sewer pipeline investigation work is completed.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Reline and Restoration	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Sanitary Sewer Inflow Infiltration

409179

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	300,000	300,000	300,000	300,000	300,000	1,500,000
Total	300,000	300,000	300,000	300,000	300,000	1,500,000

**409-WATER WASTEWATER CAPITAL IMPROVEMENT FUND
CAPITAL (NON-RECURRING)**

CAPITAL PROJECT DETAIL

PROJECT TITLE

Halifax River Utility Crossing

PROJECT#

435043

CATEGORY

Wastewater System Improvements

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

Halifax River at Granada

MANAGEMENT

Engineering

PROJECT SCOPE

Construct a force main and reclaimed main across the Halifax River

JUSTIFICATION

The existing collection system includes two river force main crossings. The existing force main located near Granada is ductile iron and was installed in 1981 according to City records. As such, the existing line is at the end of its intended service life and should be replaced. Constructing a new secondary force main is essential for the City to maintain wastewater service to the beachside customers. Senate Bill 64 mandates a full reduction of discharge of treated wastewater effluent to water bodies within the next decade. As such, a second transmission line for reclaimed water across the Halifax River is proposed.

PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design-Reclaimed	240,000	0	0	0	0	240,000
Design-Force Main	240,000	0	0	0	0	240,000
Construction-Reclaimed	0	2,900,000	0	0	0	2,900,000
Construction-Force Main	0	2,550,000	0	0	0	2,550,000
CEI Services-Reclaimed	0	150,000	0	0	0	150,000
CEI Services-Force Main	0	80,000	0	0	0	80,000
Total	480,000	5,680,000	0	0	0	6,160,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Bond Proceeds	480,000	5,680,000	0	0	0	6,160,000
Total	480,000	5,680,000	0	0	0	6,160,000

Halifax River Force Main Crossing - Preliminary Cost Estimate - 2024

Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	24-inch Force Main	3,400	LF	\$475	\$1,615,000
2	Valves and Fittings	1	LS	\$160,000	\$160,000
3	Tie-Ins	2	EA	\$50,000	\$100,000
4	As-builts and Restoration	2	EA	\$125,000	\$250,000
Construction Sub-Total					\$2,125,000
Contingency @ 20%					\$425,000
Engineering Design and CEI @ 15%					\$318,750
Total Estimated Project Cost					\$2,868,750

Halifax River Force Main Crossing - Approximate Project Location



SCOPE OF SERVICES
FOR
CITY OF ORMOND BEACH
HALIFAX RIVER FORCE MAIN & RECLAIMED WATER MAIN CROSSING
ENGINEERING SERVICES FOR DESIGN, PERMITTING AND BIDDING
APRIL 16, 2024

I. PROJECT OVERVIEW

The City of Ormond Beach, (hereinafter referred to as CITY), is requesting engineering services for a subaqueous horizontal directional (HDD) design of a new force main, reclaimed water main and fiberoptic conduit to be located south of the Granada Bridge. The two drilled utilities, with the fiberoptic conduit strapped to one of the larger utility mains, will all terminate on Casements Drive on the peninsula. For this project, the force main will terminate on Casements Drive. However, a separate project will continue the force main south to the city limits at Harvard Drive. This utility will replace the existing force main on Riverside Drive. On the mainland side, the drilled force main will terminate on Tomoka Avenue. From Tomoka Avenue, the open cut force main will turn north running along the east side of Beach Street and connect to an existing force main on the north side of Granada Boulevard. A bore and jack crossing of Granada Boulevard is envisioned to provide the means for making the connection on the north side of the Boulevard.

For the reclaimed water main, the drilled utility will terminate on Casements Drive. It will then be installed by open cut, continue east, and connect to an existing 16" reclaimed water main on South Halifax Drive. On the mainland, the reclaimed water main will terminate on Tomoka Avenue. It too will be installed along the east side of Beach Street to the southeast corner of Beach Street/Granada Boulevard intersection. At this location, an existing reclaimed water main will be exposed so that a connection of the new main may be accomplished. If it appears that this connection is unlikely, or FDOT will not permit the construction, then the reclaimed water main will mimic the force main, being installed in the same casing as the force main under Granada Boulevard and connected to an existing reclaimed water main on the north side of the road.

The fiberoptic conduit will be strapped to either the force main or the reclaimed water main during the directional drilling operation. Once on land, the conduit will terminate in pull boxes, one on Tomoka Avenue and one on Casements Drive.

II. BASIC SERVICES

This Scope of Services has been developed to address the anticipated project requirements. Task items not specifically identified in this Scope are not included. If, during the Work Assignment, it is determined that additional work or assistance is necessary to complete this project, those items can be included in a Supplemental Agreement before proceeding with the work.

In preparing this Scope of Work and engineering service fee, the CONSULTANT makes the following assumptions:

- The CITY shall provide available record drawings of Tomoka Avenue, N. Beach Street, S. Beach Street, Granada Boulevard at Beach Street, Riverside Drive, Casements Drive and South Halifax Avenue.
- The CITY shall provide GIS data for all piping, valves and other incidentals along the streets mentioned above.
- The City shall be responsible for acquiring any temporary or permanent construction easements.
- Consistent with the professional standard of care and unless specifically provided herein, the CONSULTANT shall be entitled to rely upon the accuracy of data and information provided by the CITY or others without independent review or evaluation.

III. SCOPE OF WORK

The CONSULTANT shall provide the SCOPE OF SERVICES as further outlined below:

Task 1: Project Management & Kick-Off Meeting

1.1 Status Reports, Coordination, Administration and Data Collection

CONSULTANT shall apply managerial functions for the entire length of the project, to include review of billing invoices, generate monthly status reports, addressing questions during the billing process, project set-up, hard and electronic filing systems, and any other project management activities. CONSULTANT shall coordinate and obtain any data from the CITY that would be beneficial to the completion of the project. The CONSULTANT will conduct one (1) internal kick-off meeting and convene internal project meetings as needed throughout the project.

1.2 Project Kick-Off Meeting

CONSULTANT shall conduct one (1) project kick-off meeting with the project team and CITY staff to review project goals, scope of work, project schedule, project communications and administrative issues. CONSULTANT shall prepare the meeting agenda and a detailed schedule for the meeting.

At that meeting, additional requests for project information such as as-built drawings will be submitted to the CITY. Following the meeting, the CONSULTANT shall prepare written minutes of the meeting and distribute same to all attendees.

1.3 Progress Review Meetings

The CONSULTANT shall conduct three (3) progress review meetings with the CITY to review data requests, project schedule, outstanding items, progress of work and other project issues.

Task 2: Preliminary Design Phase Services

2.1 On-Site Evaluation

CONSULTANT shall conduct an on-site evaluation of the proposed force main/reclaimed water main alignment for consideration of the Horizontal Directional Drill (HDD) layout requirements, pipe staging and construction constraint issues. This work shall be coordinated with the CITY to gain access to sites that may be sensitive to visitation. It is envisioned that the drill rig set-ups will be located on Casements Drive and the storage of drill rods, bentonite and other drilling equipment will be in the parking lot to the north of Casements Drive. No easements are currently anticipated .

2.2 Utility Coordination

CONSULTANT shall execute a design ticket with Sunshine State One to determine the existing utility owners within the rights-of-way of the impacted streets where construction will take place. Conceptual drawings will be submitted to utility owners identified on the design ticket for markup of existing facilities, which shall be transferred to the design drawings upon receipt.

2.3 Topographic and Hydrographic Survey

The CONSULTANT will have performed as part of their contract a topographic and hydrographic survey of the force main/reclaimed water main alignment, including the Intracoastal Waterway crossing (50 foot wide); along the alignment route to the east to South Halifax Drive; to the west of the subaqueous crossing along Tomoka Avenue to the area adjacent the county library; from Tomoka Avenue along South Beach Street up to a connection point at the Beach Street/Granada Boulevard intersection; adjacent areas on the mainland side and all the property used for construction staging of equipment and materials to the north of Casements Drive. The survey will be conducted to meet the requirements of Florida Department of Environmental Protection (FDEP) Joint Application for Environmental Resource Permit / Authorization to Use Sovereign Submerged Lands / Dredge and Fill Permit.

2.4 Sovereign Submerged Land Easement Survey and Description

The CONSULTANT shall prepare up to two (2) Sovereign Submerged Land Easement sketches and legal descriptions under state submerged lands as required by FDEP to support a public easement across sovereign submerged lands.

2.5 Environmental Services

The CONSULTANT shall perform an Environmental Assessment and Constraints Analysis. This effort will document plant and animal species within the project area for use in permitting the project. Work will consist of performing data collection and field surveys necessary to support the environmental documentation required for the Joint Environmental Resource Permit (ERP) application for the Florida Department of Environmental Protection (FDEP) and the United States

Army Corps of Engineers (USACE). In addition, this information will also be submitted to the CITY.

Data collection will include review of soils, topography, Florida Land Use, Cover and Forms Classification Systems (FLUCFCS) maps, National Wetland Inventory, and protected species data Florida National Areas Inventory (FNAI), US Fish and Wildlife Services (USFWS), and Florida Fish and Wildlife Conservation Commission (FWCC).

2.6 Geotechnical Services

The CONSULTANT shall conduct a subsurface soil investigation of the conditions along the sub-aqueous route of the proposed force main/reclaimed water main and at the locations along the upland force main/reclaimed water main route on the east and west sides of the Halifax River. This will consist of a total of three (3) standard penetration tests (SPT) in the waterway to a depth of approximately 100 feet below river mudline. These borings will include HDD soil testing requirements including soil characterization/classification, blow counts, salinity, groundwater, soil weight, coefficient of earth pressure (active pressure, passive pressure) and soil friction angle. Also, two 50-foot borings will be conducted at the location of the proposed HDD entrance and exit at each shoreline. Further upland, on both sides of the river, in-line with the crossing, two 10-foot borings will be conducted.

One boring at a depth of 10-feet will be taken along the open-cut portion of the alignment, east of S. Beach Street. And lastly, two 60-foot borings will be conducted on the north and south sides of Granada Boulevard, at the approach to the bridge. This boring information will be used for a trenchless crossing of Granada Boulevard.

2.7 Subsurface Utility Exploration

The CONSULTANT shall employ the services of a Subsurface Utility Exploration (SUE) firm to explore the seawall on the east side of the Halifax River to establish the bottom elevation of the wall; perform pot holing activities for the purpose of locating existing utilities in the vicinity of the HDD entry and exit pits; along Casements Drive, South Halifax, Tomoka Avenue, along Beach Street south and north of Granada Blvd. in order to verify utilities in the area of the bore & jack.

Task 3: Design Phase Services

- 3.1** CONSULTANT shall develop 60%, 90% and 100% design drawings. The design will include plan and profile drawings of the proposed landside force main/reclaimed watermain/fiberoptic conduit elements and associated subaqueous river crossing. Construction details for the landside design elements and special requirements of HDD design including pipe vertical and horizontal curve data, utility relocations, maintenance of traffic (MOT) requirements, road restoration and locations of temporary/permanent construction easements. The design level for the landside elements will be 100% construction document level. The design level for the HDD design components will be of a general format to allow for performance design specifications to be developed within the plans for contractor adherence. The combined set of construction documents will be used to obtain the proper permits for construction.

- 3.2 CONSULTANT shall prepare 60%, 90% and 100% technical specifications and bidding documents utilizing the CITY standard Front-End documents.
- 3.3 CONSULTANT shall provide a 60%, 90% and 100% Opinion of Probable Construction Cost.
- 3.4 CONSULTANT shall conduct an internal Quality Assurance/Quality Control (QA/QC) review of the 60%, 90% and 100% design drawings, specifications, and Opinion of Probable Construction Cost. This activity will be performed by a senior level engineer not directly involved with the project, in accordance with the CONSULTANT'S QA/QC procedures.
- 3.5 CONSULTANT shall prepare the 60%, 90% and 100% design packages and submit them to the CITY for review and comment. The submittal will include one (1) electronic PDF copy of the set of Drawings, Technical Specifications, and Engineer's Opinion of Probable Construction Cost. It is assumed that the CITY will conduct their review within a two (2) week period and a meeting will be held at the end of the CITY'S review.
- 3.6 CONSULTANT shall prepare an agenda for the 60%, 90% and 100% Design Review Meetings and meet with CITY staff to review comments on the submittal packages. CITY comments will be incorporated into the electronic copy of the design package. CONSULTANT shall prepare written minutes of the project meeting and distribute them to the attendees.

Task 4: Permitting Phase

- 4.1 CONSULTANT shall submit the 90% design documents on behalf of the CITY to the Florida Department of Environmental Protection (FDEP) for the "Notification/Application for Constructing a Domestic Wastewater Collection/Transmission System" [FDEP Form 62-604.300(3)(a)] with supporting documentation for approval.
- 4.2 The CONSULTANT shall prepare applications and submit 90% Documents on behalf of the CITY for a joint application for Standard General Environmental Resource Permit (ERP) / Authorization to use Sovereign Submerged Lands FDEP Form 62-343 for the project to FDEP and United States Army Corps of Engineers (USACE). It is anticipated that the subaqueous crossing will qualify for an exemption from the FDEP under Section 403.813 F.S. However, a USACE permit will be required. Acquiring a sovereign submerged land easement could take as long as 8 months to one year.
- 4.3 It is anticipated that an FDOT ROW Permit will be required for work within Granada Boulevard right-of-way. The CONSULTANT shall submit the 90% Documents on behalf of the CITY to the FDOT along with the executed permit application for review and approval.
- 4.4 CONSULTANT shall prepare and apply for right-of-way use permit to Volusia County for construction of the force main/reclaimed water main installation within the right-of-way of South and North Beach Street.
- 4.5 This Scope of Services phase includes CONSULTANT addressing and responding to Request for Information (RFI) responses from each permitting agency. As noted above, one (1) RFI response

is included in this Scope. Should extensive RFI's be received that are not a result of inadequate design issues or inadequate response to previous RFI's, the CONSULTANT may request additional compensation.

Fees for permitting: the fees to acquire all necessary permits will be the responsibility of the CITY.

Task 5: Bidding Phase

- 5.1 CONSULTANT shall prepare and forward the 100% Drawings, Project Manual and Opinion of Probable Construction Cost electronically to the CITY for posting on their website.
- 5.2 The CONSULTANT shall attend a pre-bid meeting to discuss the project with prospective Contractors and answer questions they may have about the project.
- 5.3 CONSULTANT shall assist with and distribute any necessary clarifications or addenda during the bidding phase.
- 5.4 CONSULTANT shall review and evaluate the bids for the project and prepare/submit a Bid Tabulation to the CITY.
- 5.5 CONSULTANT shall provide a Letter of Recommendation to the CITY for award of the Contract.

IV. PROJECT SCHEDULE

Engineering design of the "Halifax River Force Main & Reclaimed Water Main Crossing" shall be completed according to the following schedule:

- a. 60% -7 months from Notice to Proceed (includes survey, subsurface utility exploration and Geotechnical Engineering)
- b. 90% - 9 months from Notice to Proceed.
- c. 100% - 10.5 months from Notice to Proceed.

Please note that acquiring the sovereign submerged lands easement could take 8 months to one year.

V. LIMITATIONS

Our work will be performed in a manner consistent with that level of care and skill ordinarily exercised by other members of the profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations will be based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. McKim & Creed, Inc., makes no guarantee or warranty, express, or implied, regarding the services, communication (oral or written), report, opinion, or instrument or service provided.

VI. FEES AND BILLING

The proposed not-to-exceed fee has been calculated utilizing rates as approved in the continuing contract between CONSULTANT and the City of Ormond Beach. Expenses for sub-consultants, printing, travel, telephone, and all other related changes have been estimated and included in the not-to-exceed fee. CONSULTANT shall invoice the CITY based on actual time and expenses and the total amount invoiced to the CITY shall not exceed \$ 445,114. A Fee Matrix showing the estimated hours and the rates are attached for your review.

K:\Water\City Of Ormond Beach, FL\240809_Reclaimed Water And Force Main River Crossing_Fee Proposal\240809 Halifax River FM And Reclaimed Water Main Crossing.Docx

CAPITAL PROJECT DETAIL

PROJECT TITLE

Water Main Replacement

PROJECT#

409245

CATEGORY

Water and Wastewater Improvements

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

Water Service Area

MANAGEMENT

Engineering

PROJECT SCOPE

As part of the Utility Master Plan Update, the City's water system was modeled to determine improvements needed to reinforce and increase water pressures throughout the City. The report identified these areas and made recommendations on system improvements. Replacement of substandard 2-inch diameter water mains throughout the City was identified as a priority recommendation. The majority of the 2-inch mains throughout the City are in excess of 30 years old and have outlived their service life. When feasible the mains are replaced concurrently with stormwater and road improvement projects. In addition, replacement of asbestos cement pipe will also be included within streets undergoing improvements when the asbestos cement pipe will be in conflict with proposed improvements or is identified as a maintenance problem main. At the commission's request staff has accelerated the replacement schedule to address the most significant problem areas known to staff and address the replacement recommendations within the City's Utility Master Plan.

JUSTIFICATION

Hydraulic modeling of the distribution system demonstrated that under fire flow conditions residual pressures below the minimum allowed (20 psi) were observed in certain areas throughout the City. Most of the low pressures were due to commercial fire demands of 2,000 gallons per minute. Reinforcement of the City's distribution system with construction of larger mains and improved looping will increase pressures to provide adequate fire service and system pressures during peak demand periods. The utility system contains extensive areas of 2-inch diameter water main. In certain areas of the distribution system this small diameter pipe is resulting in lower than desired distribution system pressures during peak demand. In addition, metallic 2-inch diameter pipe presents corrosion, taste, odor, and "black/red water" concerns. The current standard in the City's Land Development Code is a minimum size of an 8-inch main for new subdivisions, which is the minimum size recommended for fire suppression. The replacement program allows for the systematic replacement of small diameter pipe with larger diameter pipe that will achieve lower pressure losses, reduce high service pumping costs, improve fire suppression capability and enhance distribution system water quality. Furthermore, the 30 to 40 year old asbestos-cement pipe is prone to failure if disturbed by local construction activities, and is difficult to repair because it is no longer manufactured.

PROJECT COST METHODOLOGY

Costs based on Engineer's Opinion of Probable Cost

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Phase V Design	300,000	0	0	0	0	300,000
Total	300,000	0	0	0	0	300,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Water Main Replacement

409245

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	300,000	0	0	0	0	300,000
Total	300,000	0	0	0	0	300,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Reuse Reservoir

PROJECT#

CATEGORY

Wastewater System Improvements

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

To Be Determined

MANAGEMENT

Engineering

PROJECT SCOPE

Reservoir with ground storage and pumping facilities.

JUSTIFICATION

This project will provide for wet weather storage of produced reclaimed water, diverting this flow from surface water discharge, as well as allowing the system to draw from this reservoir during periods of high demand, buffering usage during the growing season where periods of rain and drought change frequently

PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design/Construction	6,680,000	0	0	0	0	6,680,000
Total	6,680,000	0	0	0	0	6,680,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Bond Proceeds	3,810,000	0	0	0	0	3,810,000
SJRWMD	1,670,000	0	0	0	0	1,670,000
State General Appropriation	1,200,000	0	0	0	0	1,200,000
Total	6,680,000	0	0	0	0	6,680,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

WRF Filter Modifications

PROJECT#

CATEGORY

Wastewater System Improvements

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

Water Reclamation Facility

MANAGEMENT

Utilities

PROJECT SCOPE

Replacement of current sand filters with three dimensional cloth media increasing wetted surface area and allowing increased filtration capacity.

JUSTIFICATION

The Water Reclamation Facility Condition Assessment Report prepared by Mead Hunt in April, 2020 identified this project as a critical improvement to the facility. The current sand filters require extensive maintenance due to their age and technology. Cloth media filters have been developed in recent years that reduce the levels of maintenance necessary for operation while increasing efficiency. Filtration of the effluent is a critical process step prior to distributing into the reclaimed water system or discharging into the Halifax River.

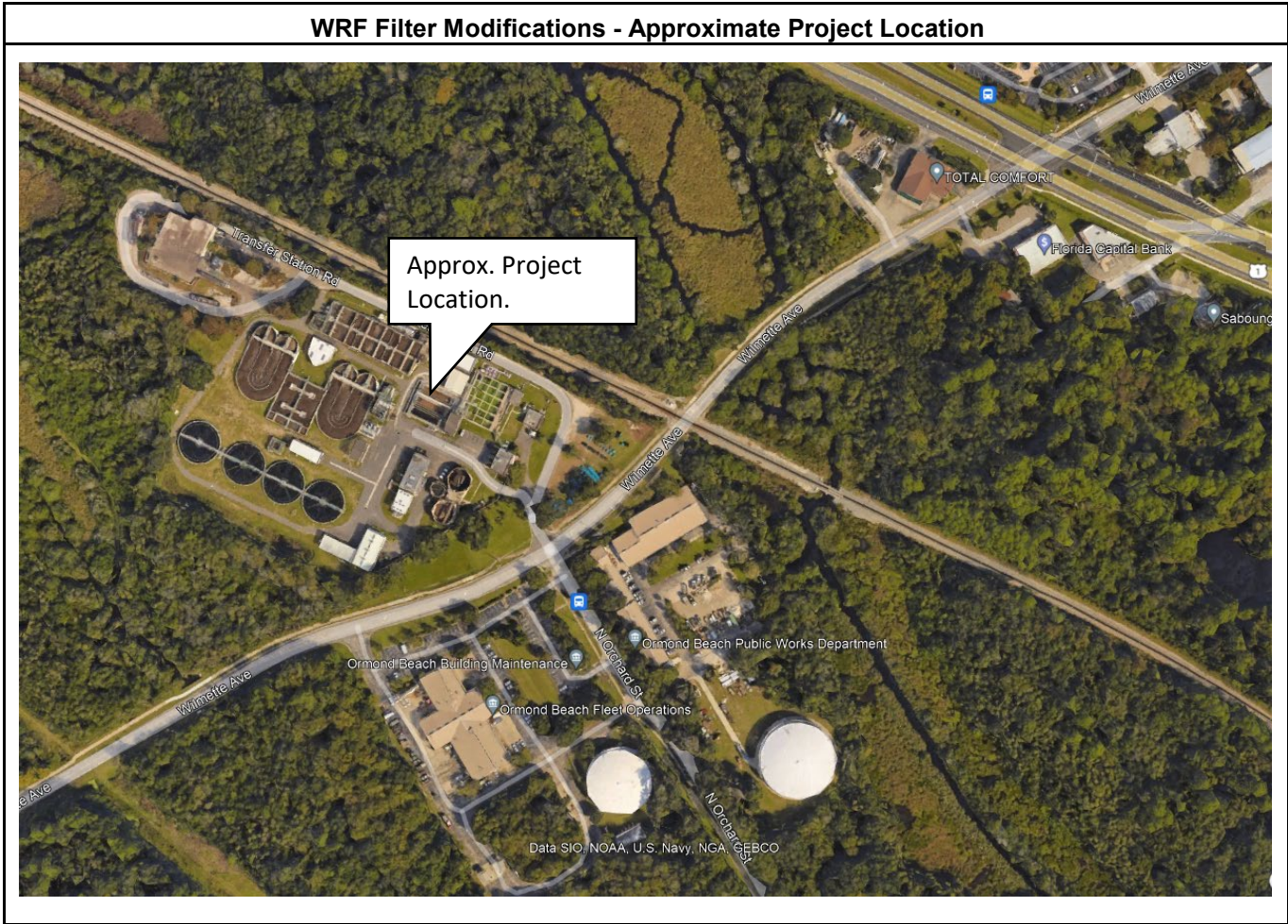
PROJECT COST METHODOLOGY

Utility Master Plan and Recent Engineering Proposal

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	475,000	0	0	0	0	475,000
Construction	0	4,900,000	0	0	0	4,900,000
CEI Services	0	200,000	0	0	0	200,000
Total	475,000	5,100,000	0	0	0	5,575,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Bond Proceeds	475,000	5,100,000	0	0	0	5,575,000
Total	475,000	5,100,000	0	0	0	5,575,000

WRF Filter Modifications - Preliminary Cost Estimate - 2024					
Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	Filter Basin Modifications	2	EA	\$500,000	\$1,000,000
2	Filter Equipment and Install	2	EA	\$1,600,000	\$3,200,000
3	Electrical and Instrumentation	2	EA	\$200,000	\$400,000
Construction Sub-Total					\$4,600,000
Contingency @ 20%					\$920,000
Engineering Design and CEI @ 15%					\$690,000
Total Estimated Project Cost					\$6,210,000



TASK ORDER No. X
CITY OF ORMOND BEACH
WRF AQUADIAMOND FILTER DESIGN PROJECT
SCOPE OF SERVICES AND RESPONSIBILITIES OF CITY
CITY PROJECT # XXXXX
SERVICES TO BE PROVIDED

This Task Order is entered into pursuant to the terms of the Continuing Contracts for Professional, Architectural, and Engineering Services Agreement No. RFQ 2023-16 dated Month, Day, 2024, by and between the City of Ormond Beach, Florida (the "City") and Freese and Nichols, Inc. (FNI).

PROJECT UNDERSTANDING:

FNI will provide design, permitting and bidding support services for the retrofitting of two (2) of the three (3) existing automatic backwash sand filters with AquaDiamond® cloth media filters.

A breakdown of the tasks that FNI will conduct as part of this project are shown in **Table 1**. Details of each task are included in the following sections.

Table 1: Project Phases and Tasks

TASK	DESCRIPTION
1	Project and Quality Management, Data Collection and Review
2	Filter Retrofit Evaluation
3	Detailed Design
4	Permitting
5	Bidding Support

Engineering services during construction are not included within and may be services added by the City at a later date.

TASK 1 | PROJECT MANAGEMENT, DATA COLLECTION AND REVIEW

1.1. Project Kickoff Meeting

FNI will conduct a project kickoff meeting with the City to review project scope, schedule, and critical milestones. This meeting will be in-person with a virtual option. FNI will provide the City with a data request memorandum listing data and information received to date and identifying data needs.

1.2. Project Communication

Throughout the project, monthly status reports will be submitted with invoices that summarize the progress and document upcoming tasks. The monthly status updates will outline any upcoming key decisions which require input from or discussion with the City staff.

1.3. Data Collection and Review

FNI will coordinate with City staff on obtaining data required for the development of the preliminary evaluation and detailed design. It is noted that FNI has already received drawings and reports for the WRF

and existing filtration system. The data listed below is in addition to the information received to date.

Data collection will include the following:

- Historical secondary clarifier effluent/filter influent TSS data.
- Any reports or master plans that define current and future average and peak flow requirements for the WRF
- Previous geotechnical reports or information from other projects at the WRF

1.4. Site Visits

FNI will conduct an initial site visit following the Project Kickoff Meeting with the City's facility staff and FNI's design team to review the existing filters, supporting equipment including power supply source and communication and control panels. FNI will conduct additional site visits throughout the detailed design as needed and will coordinate all site visits with appropriate City staff.

During the 60% design phase, FNI will assist in coordinating a field visit with City staff to an existing AquaDiamond® installation in Florida. FNI will also attend field visit and will gather City's design and configuration preferences for implementation into the detailed design.

1.5. Subconsultants

FNI will use a subconsultant to provide geotechnical services to support the detailed design of the filter retrofit and the new canopy foundation and structure. The City will provide in-house subsurface utility engineering (SUE) services to locate existing utilities surrounding the filter structure that may interfere with the proposed canopy foundations.

Survey

It is assumed that a survey services are not required since the work will primarily be inside the filter structure limits. For any work outside the filter structure, (e.g., electrical and control conduit routing, site plans, etc.) it is assumed that aerial photos will be used.

SUE

The SUE services (provided by the City) will be focused on using a combination of record drawing review, ground penetrating radar (GPR) and soft-digs to confirm location of underground utilities that may interfere with the new canopy foundations. SUE will also be used identify clear spaces for geotechnical work to minimize risk of existing utilities being damaged.

Geotechnical

The geotechnical effort will include necessary hand auger borings and drilled borings adjacent to the filter structure to identify soil properties and preparation requirements for the design and installation of the new canopy foundation system. The geotechnical work will also identify groundwater conditions and the presence of any unsuitable or deleterious material that needs to be removed.

Deliverable(s):

- Kickoff Review Meeting Minutes

- Monthly Status Reports
- Data Request Form
- AquaDiamond® installation field visit notes and decisions summary (PDF)
- Geotechnical Report (PDF)

TASK 2 | FILTER RETROFIT EVALUATION

2.1. Filter Retrofit Evaluation

Following data collection and review, FNI will evaluate the existing filter structures, influent and effluent flow paths, current and future isolation methods, and required maintenance of plant operations (MOPO) during construction of the AquaDiamond® filtration system to recommend the two (2) AquaDiamond® filtration systems to be retrofitted. Considerations will be made on existing filtration systems age/condition, access for maintenance, location of existing and future isolation gates, and complexity or ability to bypass flows during construction with the goal of keeping the capacity of two (2) existing filters available during construction.

FNI will present the findings of this evaluation in a memorandum, which will include FNI’s recommendation for City’s consideration and approval prior to proceeding with the detailed design.

Deliverable(s):

- Filter Retrofit Evaluation Memorandum (PDF)

TASK 3 | DETAILED DESIGN

3.1. 60% Design

Following confirmation of which two (2) filters will be retrofitted in Task 2, FNI will prepare 60% drawings and technical specifications. FNI will also prepare an opinion of probable construction cost (OPCC) with an appropriate level of accuracy and contingency based on a 60% level of design per the Association for the Advancement of Cost Engineers (AACE). Following City review, FNI will coordinate a design review meeting with City staff. FNI will document and distribute design review meeting minutes and also maintain an Action Item Tracker and Decisions Made Tracker.

60% design submittal documents will include:

- Site plans incorporating overall plan site, location of work, surveyed information, boring locations, and contractor’s staging area.
- Demolition drawings will include required removal of concrete walls, miscellaneous metals, grating, existing automatic backwash sand filtration system, control panels, slide plates, and other items as needed for installation of the new AquaDiamond® cloth media filtration system.
- Process-Mechanical design will include:
 - Hydraulic evaluation and development of revised hydraulic profile for the facility from the future UV disinfection system, back through new filtration system, and to the secondary clarifier effluent weirs.
 - Plans, sections, and details drawings of the AquaDiamond® filtration system including lateral supports, laterals, drive platform, fabricated AquaDiamond® end wall, and effluent weir

modifications.

- Design will also include the addition of new isolation slide gates on the common influent channel to isolate Filters 1, 2, and 3, from each other.
- Structural design to include structural modification required for the AquaDiamond® filtration system installation, including concrete wall demolition and modifications, new guardrails, new isolation and weir walls. Structural design will also include the design of a new structural steel canopy and reinforced concrete foundation system. The canopy will incorporate recommended spacing of superstructure to use as support points to facilitate AquaDiamond® cloth media maintenance and replacement. Structural design will also include drawings and details to convert the existing individual filter side-entry influent channel into a concrete walkway.
- Electrical design to consist of required power distribution and control system modifications to support the electrical requirements of the proposed AquaDiamond® filtration system, incorporation of canopy lighting, and grounding requirements for the new canopy structure in accordance with the National Electrical Code (NEC).
- Instrumentation and Controls (I&C) design to provide process and instrumentation diagram (P&ID) and define communication strategy with local platform control panels, shore control panel, and the City's existing programmable logic controllers (PLCs) and the City's SCADA system.
- Provide draft specifications for required items in Division 01 through Division 43.

Deliverable(s):

- 60% Submittal (PDF plans and specifications)
- 60% Submittal Review Meeting Minutes
- 60% Submittal Comment Response Form
- 60% OPCC
- Action Item Tracker
- Decisions Made Tracker

3.2. 90% Design

Following the 60% design review meeting with the City, FNI will advance the design of the major design elements listed in Section 3.1 to a 90% completion level and provide 90% drawings and technical specifications. FNI will also update the OPCC with an appropriate level of accuracy and contingency based on a 90% level of design per the AACE. Following City review, FNI will coordinate a design review meeting with City staff. FNI will document and distribute design review meeting minutes and also update the Action Item Tracker and Decisions Made Tracker.

Deliverable(s):

- 90% Submittal (PDF plans and specifications)
- 90% Submittal Review Meeting Minutes
- 90% Submittal Comment Response Form
- 90% OPCC
- Action Item Tracker
- Decisions Made Tracker

3.3. 100% Design

Following the 90% design review meeting with the City, FNI will advance the design of the major design elements listed in Section 3.2 to a 100% completion level and provide 100% drawings and technical specifications. FNI will also update the OPCC with an appropriate level of accuracy and contingency based on a 100% level of design per the AACE. Following City review, FNI will coordinate a design review meeting with City staff. FNI will document and distribute design review meeting minutes and also update the Action Item Tracker and Decisions Made Tracker.

Deliverable(s):

- 100% Submittal (PDF plans and specifications)
- 100% Submittal Review Meeting Minutes
- 100% Submittal Comment Response Form
- 100% OPCC
- Action Item Tracker
- Decisions Made Tracker

TASK 4 | PERMITTING

4.1 FDEP Permitting

Following review of the 90% design documents, FNI will complete the Florida Department of Environmental Protection (FDEP) Application Form 62-620.910(9) and create an updated drawing set and process flow diagram as supporting documentation for the required FDEP Minor Revision to a Wastewater Facility Permit.

4.2 Other Permits

At this time, no other permits are likely to be required for this project as the impervious area the canopy is initially estimated to be below the FDEP Environmental Resource Permit (ERP) area threshold and no regulated plant or animal species are assumed to be present in the areas to be impacted. Services to support unforeseen permitting support services are not included within this scope of services.

TASK 5 | BIDDING SUPPORT

5.1 Issued for Bid Documents

FNI will update the 100% design documents with revisions from the 100% design review meeting and any required modifications resulting from permitting and provide Issues for Bid documents for the City to use during solicitation and procurement of construction services.

5.2 Services During Bidding

FNI will provide the following services related to supporting the City during the bidding phase:

- Attend Pre-Bid Submittal Conference
- Address design and technical related questions during bidding with the development of responses and supporting information needed for addenda.
- Bid tabulation review and quality control on amounts provided
- Checking contractor references/evaluation

- Providing final Engineer's recommendation letter

5.3 Confirmed for Construction Documents

FNI will update the Issued for Bid drawings and specifications with the incorporation of drawing and specification changes issued via addenda.

Deliverable(s):

- Issued for Bid Submittal (PDF plans and specifications)
- Addenda responses for design and technical related items
- Conformed for Construction documents (PDF plans and specifications)
- Associated bid evaluation documents listed in Task 5.2

ADDITIONAL SERVICES: Any services performed by FNI that are not included in the services described above are considered Additional Services. Additional Services will only be performed if requested and authorized by the City as set forth in the Continuing Contracts for Professional, Architectural, and Engineering Services Agreement.

FNI may render the following additional services to the City in connection with the project, described as:

- Design of any modifications for hydraulic improvements needed upstream or downstream of the existing filters.
- Additional design or engineering services that are beyond the extent of those required for the filter retrofit, this includes major electrical modifications to upgrade the electrical service, up sizing existing electrical distribution, systems, etc.
- Additional survey, SUE, geotechnical work outside that needed to support the detailed design of the filter retrofit and canopy structure.
- Permitting effort above those identified herein.
- Engineering services during construction.

SCHEDULE:

FNI is authorized to commence work on the Project upon execution of this Task Order and estimates the work included in this task order will be completed in accordance with schedule shown in **Table 2**.

Table 2: Project Schedule

Task	Description	Calendar Days
Task 1.1	Kickoff Meeting and Field Visit	15 days after NTP
Task 1.3	Data Collection and Review	20 days after NTP
Task 1.5	Subconsultants	
	- Geotechnical	60 days after NTP
Task 2.1	Filter Retrofit Evaluation	20 days from completion of Task 1.3
Task 3.1	60% Design	55 days from receipt of all City comments on Task 2.1
Task 3.2	90% Design	65 days from receipt of all City comments on Task 3.1
Task 3.3	100% Design	35 days from receipt of all City comments on Task 3.2
Task 4	Permitting	15 days from receipt of all City comments on Task 3.2
Task 5	Bidding Support	TBD

COMPENSATION:

For performance of the services described in this Scope of Services, the City will compensate FNI in the lump sum amount of \$474,067 for Tasks 1 through 5 as shown in **Table 3**. FNI will be paid for services performed per task as set forth herein, covering the work-in-progress expressed as a percentage of the total cost of the service and work required for each task involved.

Table 3: Compensation for Basic Services and Allowance for Additional Services

Task No.	Description	Fee
1	Project and Quality Management, Data Collection and Review	\$82,796
2	Filter Retrofit Evaluation	\$11,828
3	Detailed Design (60%, 90%, 100%)	\$343,235
4	Permitting	\$3,780
5	Bidding Support	\$32,428
Lump Sum Total		\$474,067

WRF AquaDiamond Filter Design 4/5/2024 Detailed Cost Breakdown	Project Fee Summary		
	Basic Services	\$	474,067
	Special Services	\$	-
	Total Project	\$	474,067

Task Description	Labor																			Total Hours	Total Labor Effort	Expenses			Subconsultants		Total Effort
	Tony Peres	Trooper Smith	Robert Vinay	Juan Vilca	Barbara Martinez Arcila	Justin Riddle	Masoud Ghahremannejad	Brad Watson	Hayden Phan	Fadhel Pirela	Robert Dusik	John Manning	Brandon Powell	Janet Frantz	Nicholas Claudio	Beatrice Perez-Arce	John Rinacke	Robert Martin	Tricia Halley			Tech Charge	Miles	Total Expense Effort	Geotechnical (Placeholder)	Total Sub Effort	
	PM/Tech Lead	Senior Advisor	Proce Mech QC	Sr. Design Engineer	Proc Mech EIT	Process-Mech CAD	Structural Lead	Structural QC	Structural EIT	Structural CAD	Electrical Lead	Electrical / I&C QC	Electrical EIT	Electrical CAD	I&C/SCADA Lead	I&C/SCADA EIT	Cost Estimating	Accounting	QA								
Task 1 - Project Management	\$294	\$175	\$254	\$294	\$168	\$168	\$254	\$294	\$168	\$153	\$217	\$294	\$168	\$187	\$254	\$168	\$191	\$180									
Internal kickoff meeting	1			1	1		1				1				1			12			\$ 2,160	42	\$ -	\$ -	\$ 2,160		
External kickoff meeting	1			1	1		1				1				1			6			\$ 1,481	5	\$ -	\$ -	\$ 1,481		
Periodic internal meetings	6			6	6	6	6		6		6	6		6	6			60			\$ 12,918	54	\$ -	\$ -	\$ 12,918		
Quality Management																											
Quality Control reviews			32					24			28							84			\$ 23,416	84	\$ -	\$ -	\$ 23,416		
Quality Assurance reviews																		6	6		\$ 1,080	6	\$ -	\$ -	\$ 1,080		
Senior Advisor		58																58			\$ 10,150	58	\$ -	\$ -	\$ 10,150		
Data Collection and Review	2			4	8		2				4	6		2	4			32			\$ 6,672	30	\$ -	\$ -	\$ 6,672		
Site Visits																											
WRF Visits	8			8	8		8				8	8		8	8			64			\$ 14,536	56	\$ 536	\$ -	\$ 15,072		
AquaDiamond Installation Visit	2			2	2													6			\$ 1,512	4	\$ -	\$ -	\$ 1,512		
Subconsultants																											
Geotechnical	2						4											6			\$ 1,604	4	\$ -	\$ 5,000	\$ 5,250	\$ 6,854	
Task 2 - Filter Retrofit Evaluation																											
Evaluation	4			4	4		4				4	4						24			\$ 5,580	20	\$ -	\$ -	\$ 5,580		
Evaluation Memo	2			4	8		2		2		4	4						28			\$ 5,492	24	\$ -	\$ -	\$ 5,492		
Review Meeting (virtual)	1			1	1													3			\$ 756	2	\$ -	\$ -	\$ 756		
Task 3 - Detailed Design																											
3.1 - 60% Design																											
60% Design Development	8			32	84		16	2	40									182			\$ 37,244	474	\$ -	\$ -	\$ 37,244		
60% Drawings	6			18	48	108		4	40		2	72	42	13	42			435			\$ 79,632	429	\$ -	\$ -	\$ 79,632		
60% Specifications	4			12	48		4		4			36	42	31	51			218			\$ 43,022	214	\$ -	\$ -	\$ 43,022		
60% OPCC	2			4	12				4		2	8		2	4	8		46			\$ 8,938	44	\$ -	\$ -	\$ 8,938		
60% Design Review Meeting	2			2	2		2				2	2						12			\$ 2,790	40	\$ -	\$ -	\$ 2,790		
3.2 - 90% Design																											
90% Design Development	8			24	72		16	2	40									162			\$ 32,876	454	\$ -	\$ -	\$ 32,876		
90% Drawings	6			20	40	56		4	40		2	40	20	7	13			274			\$ 51,216	268	\$ -	\$ -	\$ 51,216		
90% Specifications	4			16	40		4		4			8		9	18			107			\$ 22,006	403	\$ -	\$ -	\$ 22,006		
90% OPCC	2			2	8				4		2	4				4		26			\$ 5,062	24	\$ -	\$ -	\$ 5,062		
90% Design Review Meeting	2			2	2		2				2	2						12			\$ 2,790	40	\$ -	\$ -	\$ 2,790		
3.3 - 100% Design																											
100% Design Development	8			12	24		8	1	16									69			\$ 14,926	64	\$ -	\$ -	\$ 14,926		
100% Drawings	6			10	24	24		4	8		2	18	8	4	8			130			\$ 25,170	424	\$ -	\$ -	\$ 25,170		
100% Specifications	4			12	32		1		4		2	2						53			\$ 11,104	49	\$ -	\$ -	\$ 11,104		
100% OPCC	2			2	6				1		1	2						18			\$ 3,689	48	\$ -	\$ -	\$ 3,689		
100% Design Review Meeting	2			2	2		2				2	2						12			\$ 2,790	40	\$ -	\$ -	\$ 2,790		
Task 4 - Permitting																											
FDEP Minor Mod	2			4	8	4												18			\$ 3,780	46	\$ -	\$ -	\$ 3,780		
Task 5 - Bidding Support																											
Issued for Bid Drawings	2			2	4	6	4		4		2	2	4	2	2			34			\$ 6,846	32	\$ -	\$ -	\$ 6,846		
Issued for Bid Specifications	2			2	4		1				2	2	2	2	2			17			\$ 3,716	15	\$ -	\$ -	\$ 3,716		
Pre-Bid Conference				2							2			2				6			\$ 1,530	6	\$ -	\$ -	\$ 1,530		
Addenda	2			4	8		2		2		4	4		2	2			32			\$ 6,642	30	\$ -	\$ -	\$ 6,642		
Bid Review, check references, Engineer's recommend	2			2	4													8			\$ 1,848	6	\$ -	\$ -	\$ 1,848		
Conformed Drawings	2			4	8	12	2		2		2	2	4	1	1			40			\$ 7,878	38	\$ -	\$ -	\$ 7,878		
Conformed Specifications	2			4	2		1				2	2		2	2			17			\$ 3,968	15	\$ -	\$ -	\$ 3,968		
	109	58	32	225	521	216	93	29	131	96	171	34	236	78	95	163	16	12	6	2,321	2,242	800	\$ 5,000	\$ -	\$ -		
	\$ 32,046	\$ 10,150	\$ 8,128	\$ 66,150	\$ 87,528	\$ 36,288	\$ 23,622	\$ 8,526	\$ 22,008	\$ 14,688	\$ 37,107	\$ 9,996	\$ 39,648	\$ 14,586	\$ 24,130	\$ 27,384	\$ 3,056	\$ 2,160	\$ 1,080	\$ 468,281	\$ -	\$ 536	\$ 536	\$ 5,250	\$ 5,250	\$ 474,067	

CAPITAL PROJECT DETAIL

PROJECT TITLE

Existing Wellfield Repairs

PROJECT#

CATEGORY

Water System Improvements

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

SR40 Wellfield

MANAGEMENT

Utilities

PROJECT SCOPE

Rehabilitation of the SR40 wellfield

JUSTIFICATION

The City currently has two wells in the SR40 wellfield that are currently offline. These wells were taken offline due to comprised casings and a variety of other reasons. This proposed project will allow the City to predrill two new wells to replace the old wells. These two wells are currently counted for within the City's Consumptive Use Permit

PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	0	151,400	0	0	151,400
Construction	0	0	0	1,710,000	0	1,710,000
CEI Services	0	0	0	68,750	0	68,750
Total	0	0	151,400	1,778,750	0	1,930,150

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	0	0	151,400	0	0	151,400
Bond Proceeds	0	0	0	1,778,750	0	1,778,750
Total	0	0	151,400	1,778,750	0	1,930,150

CAPITAL PROJECT DETAIL

PROJECT TITLE

North US1 Utility Adjustments

PROJECT#

CATEGORY

Wastewater System Improvements

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

North US1 near I-95

MANAGEMENT

Utilities

PROJECT SCOPE

Installation and Relocation of Utilities in the North US1 region near the proposed I-95 interchange

JUSTIFICATION

City staff have been informed that FDOT plans on modifying the I-95 interchange in the coming years. As a result, the City will likely be required to relocate utilities in the immediate vicinity. Additionally, due to projected developments along the north US1 corridor, it would be financially advantageous for the City to consider installing a secondary force main in the region at the same time. This project, however, is still in the conceptual phase.

PROJECT COST METHODOLOGY

Staff Estimates

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	0	300,000	0	0	300,000
Construction	0	0	0	3,100,000	0	3,100,000
Total	0	0	300,000	3,100,000	0	3,400,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	0	0	300,000	0	0	300,000
Bond Proceeds	0	0	0	3,100,000	0	3,100,000
Total	0	0	300,000	3,100,000	0	3,400,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Pep Tank Elimination Phase 1

PROJECT#

CATEGORY

Wastewater System Improvements

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

Breakaway Trails

MANAGEMENT

Utilities

PROJECT SCOPE

Elimination of Pep Tank Systems in the Breakaway Trails Region

JUSTIFICATION

There are approximately 1,650 PEP tank systems in the City's sanitary collection system. These systems are maintenance intensive for City staff while also requiring a significant dollar allocation on a yearly basis. Additionally, the manufacturer of the PEP tanks has informed City staff that the tanks are nearing the end of the intended service life. As a result, the City would need to spend a large amount of money replacing each tank. Doing so, however, would not reduce the overall maintenance costs associated with each tank. As such, the Utility department is requesting to install a traditional gravity sewer system and lift station in the Breakaway Trails region to eliminate the need for the PEP tanks. A traditional gravity system would reduce the annual maintenance costs for the City while also reducing the required manhours of City staff. This project is proposed to be broken out into multiple phases due to the overall complexity of the project.

PROJECT COST METHODOLOGY

Utility Master Plan Documents with inflation adjustments

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	0	400,000	0	0	400,000
Construction	0	0	0	5,500,000	0	5,500,000
CEI	0	0	0	250,000	0	250,000
Total	0	0	400,000	5,750,000	0	6,150,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

PROJECT#

Pep Tank Elimination Phase 1

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	0	0	400,000	0	0	400,000
Bond Proceeds	0	0	0	5,750,000	0	5,750,000
Total	0	0	400,000	5,750,000	0	6,150,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Public Works Management Site Upgrades

PROJECT#

CATEGORY

Facility Construction and Renovation

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

Airport Road Debris Site

MANAGEMENT

Engineering

PROJECT SCOPE

Provide site improvements for Debris Management location.

JUSTIFICATION

The debris management site gate is broken and there is no current signage to denote the purpose of the site. A tower is required at the site for debris monitoring and to determine how full trucks entering the facility are. Utility hookup has been requested to light the observation tower and the facility, as well as a potable water hookup.

PROJECT COST METHODOLOGY

Estimating Database

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	0	0	0	0	255,000	255,000
Design	0	0	0	0	15,000	15,000
Total	0	0	0	0	270,000	270,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	0	0	0	0	270,000	270,000
Total	0	0	0	0	270,000	270,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Public Works Generator

PROJECT#

CATEGORY

Facility Construction and Renovation

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

Public Works

MANAGEMENT

Engineering

PROJECT SCOPE

Furnish and install 300 kW generator at Public Works.

JUSTIFICATION

The current generator at Public Works is insufficient to run the entire facility. During severe weather incidents, this large capacity generator will be used to facilitate the administration and workers residing at Public Works.

PROJECT COST METHODOLOGY

Florida Sheriff's Contract and Previous Quoting

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	0	0	0	0	245,000	245,000
Design	0	0	0	0	10,000	10,000
Total	0	0	0	0	255,000	255,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	0	0	0	0	255,000	255,000
Total	0	0	0	0	255,000	255,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

Public Works Renovation

PROJECT#

CATEGORY

Facility Construction and Renovation

FUND

409-Water and Wastewater R and R (Capital)

PROJECT LOCATION

Public Works

MANAGEMENT

Engineering

PROJECT SCOPE

Renovate Public Works to include commercial kitchen, additional storage, extended walkway and the addition of a secondary access road to the facility.

JUSTIFICATION

The public works building is in need of renovation; including a commercial grade kitchen, improved storage, and an extended walkway to the parking area. This will improve amenities when workers are present for severe storm conditions. There is a large oak tree directly in front of the lone vehicle entrance that could, in severe weather, fall and prevent entry to the facility. As such, a secondary access road is proposed.

PROJECT COST METHODOLOGY

Engineer's Cost Estimate

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction-Facilities	0	0	0	0	300,000	300,000
Design-Facility & Road	0	0	0	0	21,500	21,500
Construction-Access Road	0	0	0	0	16,500	16,500
Total	0	0	0	0	338,000	338,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Water & Sewer Charges	0	0	0	0	338,000	338,000
Total	0	0	0	0	338,000	338,000

433 434 435-REUSE, WATER AND WASTEWATER IMPACT FEE FUNDS

CAPITAL PROJECT DETAIL

PROJECT TITLE

Utility Master Plan Update

PROJECT#

CATEGORY

Water and Wastewater Improvements

FUND

434-Water Impact Fees

PROJECT LOCATION

City-wide

MANAGEMENT

Utilities

PROJECT SCOPE

Update to the Utility Master Plan including flow demands and projections, population projections, current system capacity and evaluation of improvements to the water, wastewater, and reuse systems, update of system models to identify deficiencies and recommend improvements, develop a schedule for future planning of CIP projects and required funding.

JUSTIFICATION

The Utility Master Plan provides a long term planning document which will identify the short, mid, and long range needs pertaining to the City's water and wastewater infrastructure. The most current comprehensive Utility Master Plan was completed in 2015. The plan was supplemented by a Western Service Area Master Plan Update initiated in 2019 and completed in 2020. Additionally, separate WTP & WRF Infrastructure Assessment Reports were completed in 2020 supplementing the latest Master Plan. Typically, comprehensive updates to the utility master plan are scheduled on a 5-10 year basis depending on development, population growths, and other needs that arise within the City's service area that impact the water and sewer infrastructure.

PROJECT COST METHODOLOGY

Costs based on previous master plan update costs adjusted for inflation.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Utility Master Plan	0	380,000	0	0	0	380,000
Total	0	380,000	0	0	0	380,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Wastewater Impact Fees	0	190,000	0	0	0	190,000
Water Impact Fees	0	190,000	0	0	0	190,000
Total	0	380,000	0	0	0	380,000

**499-WATER WASTEWATER CAPITAL IMPROVEMENT FUND
WEST ORMOND**

CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities Airport Rd FM Extension

PROJECT#

CATEGORY

Wastewater System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

West Airport Rd

MANAGEMENT

Utilities

PROJECT SCOPE

Construction of a force main along Airport Road to the future Water Reclamation Facility to serve the western portion of the City's service area.

JUSTIFICATION

This force main project would extend the existing force main on Airport Road to the future western Water Reclamation Facility. Extending this force main would allow the collection system to divert future wastewater flows to the new treatment plant, thereby increasing the City's wastewater treatment redundancies.

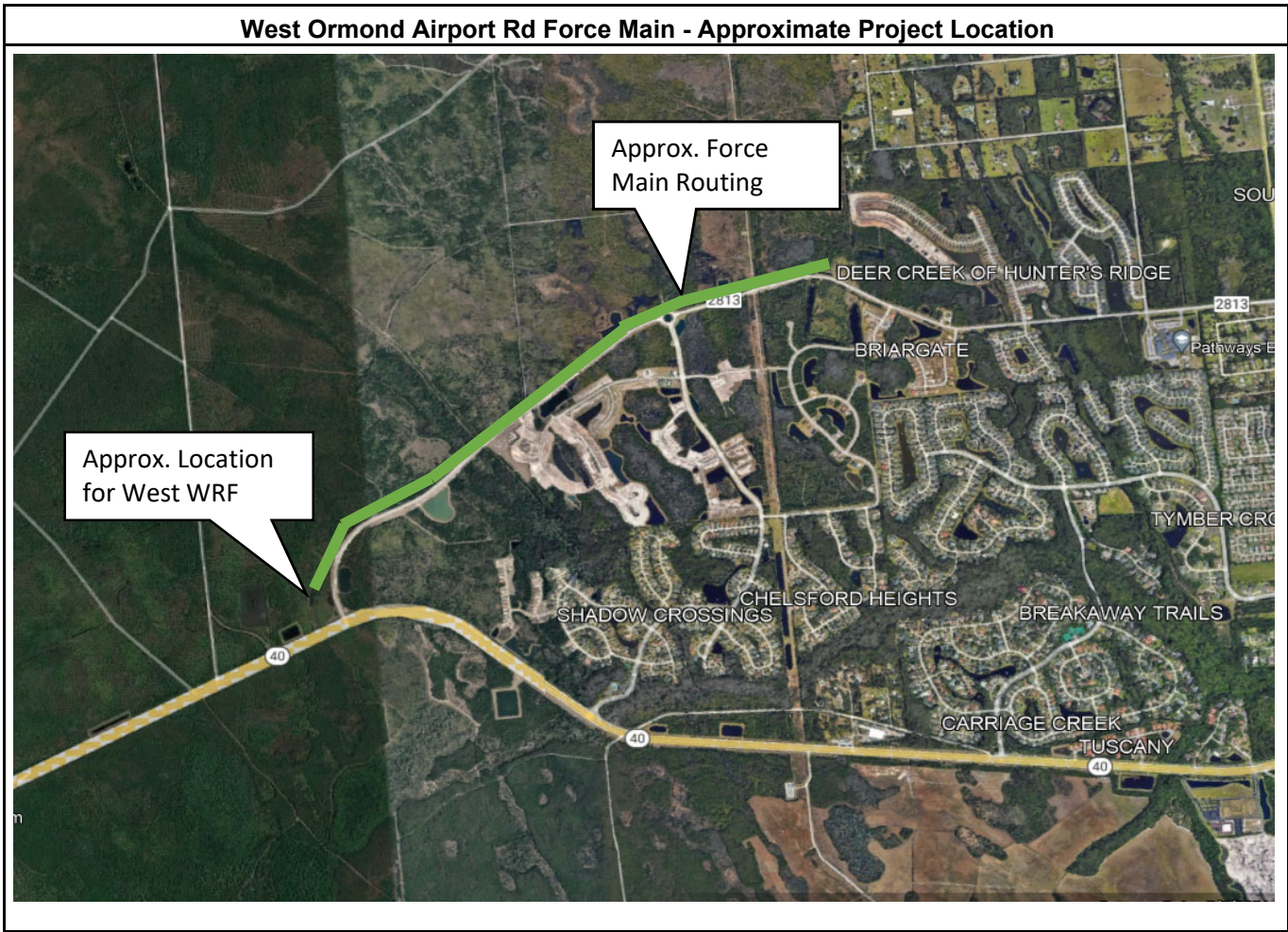
PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	275,000	0	0	0	0	275,000
Construction	0	3,059,500	0	0	0	3,059,500
Total	275,000	3,059,500	0	0	0	3,334,500

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	175,000	2,156,500	0	0	0	2,331,500
Daytona Beach	100,000	903,000	0	0	0	1,003,000
Total	275,000	3,059,500	0	0	0	3,334,500

West Ormond Airport Rd Force Main - Preliminary Cost Estimate - 2023					
Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	Mobilization and General Conditions	1	LS	\$350,000	\$350,000
2	12-inch Force Main	10,200	LF	\$80	\$816,000
3	Gate Valves	16	EA	\$9,000	\$144,000
4	Tie-Ins	5	EA	\$12,000	\$60,000
5	Clearing, Restoration, & As-builts	1	LS	\$1,100,000	\$1,100,000
Construction Sub-Total					\$2,470,000
Contingency @ 20%					\$494,000
Engineering Design and CEI @ 15%					\$370,500
Total Estimated Project Cost					\$3,334,500



CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities Area A WM FM

PROJECT#

CATEGORY

Water and Wastewater System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

Hand Avenue

MANAGEMENT

Engineering

PROJECT SCOPE

Installation of water main and force main to connect the development region Area A to existing utilities located on Hand Avenue.

JUSTIFICATION

Installation of a water main and force main along Hand Avenue to the Area A region is vital to the City in order to serve utilities for future developments in the western region of the City's service area.

PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation.

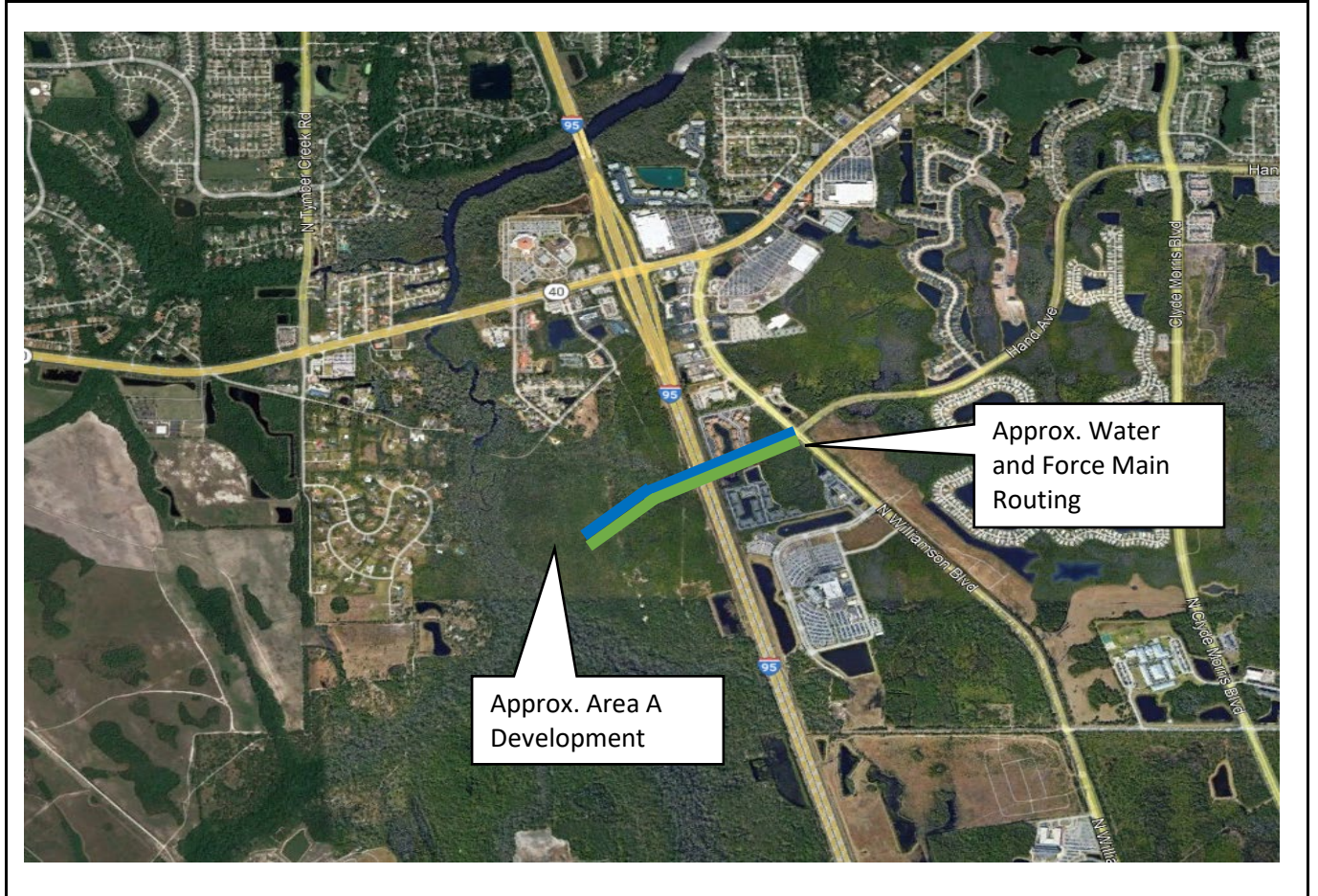
<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	200,000	0	0	0	0	200,000
Construction	0	2,400,000	0	0	0	2,400,000
CEI Services	0	150,000	0	0	0	150,000
Total	200,000	2,550,000	0	0	0	2,750,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	200,000	2,550,000	0	0	0	2,750,000
Total	200,000	2,550,000	0	0	0	2,750,000

West Ormond Area A WM FM - Preliminary Cost Estimate - 2024

Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	Water Main	1	LS	\$1,184,500	\$1,184,500
2	Force Main	1	LS	\$875,500	\$875,500
Construction Sub-Total					\$2,060,000
Contingency @ 20%					\$412,000
Engineering Design and CEI @ 15%					\$309,000
Total Estimated Project Cost					\$2,781,000

West Ormond Area A WM FM - Approximate Project Location



CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities Potable Tank and Station

PROJECT#

CATEGORY

Water System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

West SR 40

MANAGEMENT

Utilities

PROJECT SCOPE

Construction of a 3 million gallon potable water storage tank and pump station to serve the western portion of the City's service area.

JUSTIFICATION

Constructing a new potable storage tank and pump station project in the western region of the City's service area would allow the City to satisfy projected fire flow demands for future development.

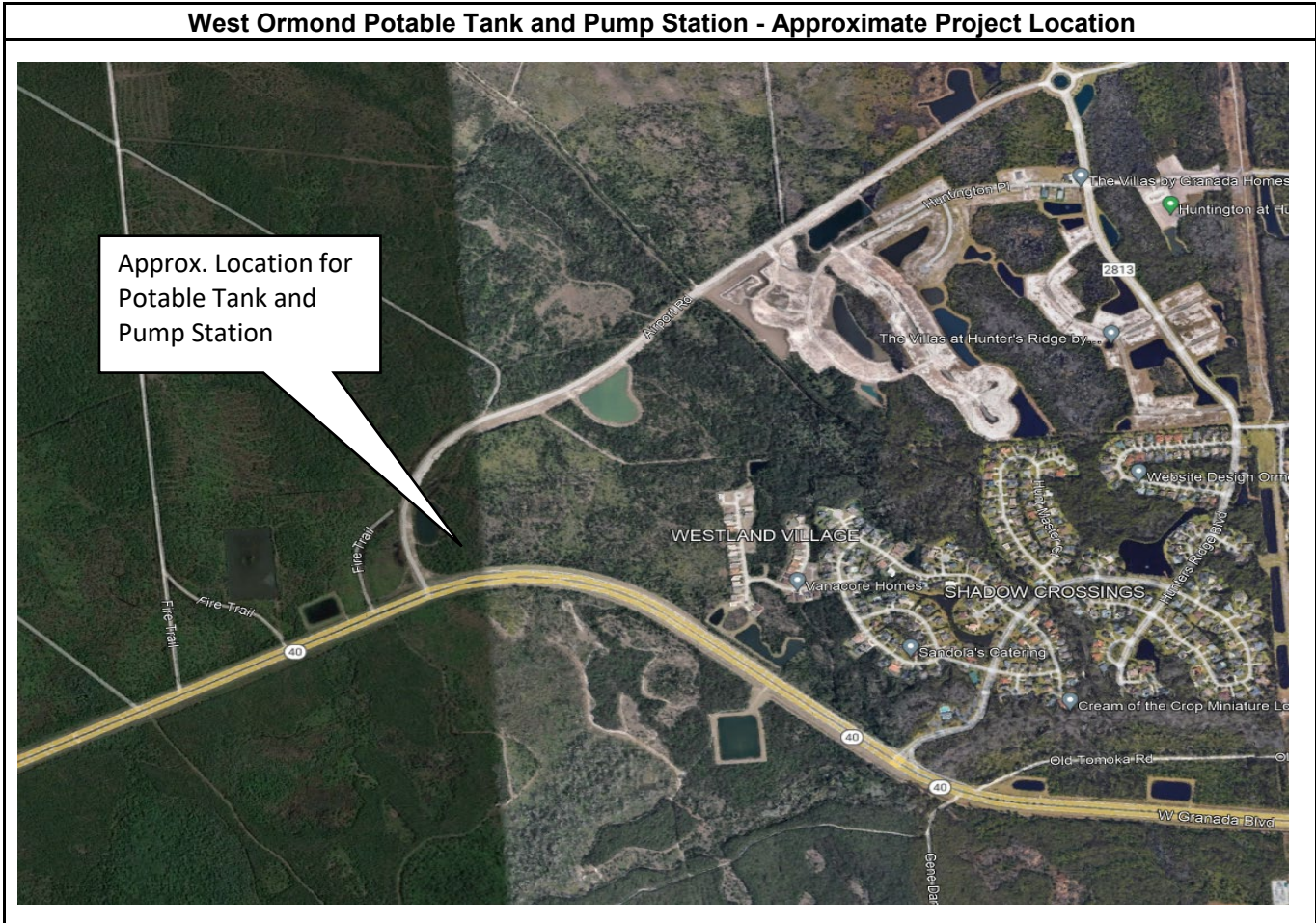
PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	375,000	0	0	0	0	375,000
Construction	0	4,800,000	0	0	0	4,800,000
CEI Services	0	225,000	0	0	0	225,000
Total	375,000	5,025,000	0	0	0	5,400,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	375,000	5,025,000	0	0	0	5,400,000
Total	375,000	5,025,000	0	0	0	5,400,000

West Ormond Potable Tank and Pump Station - Preliminary Cost Estimate - 2024					
Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	Mobilization and General Conditions	1	LS	\$309,000	\$309,000
2	Locate and Expose Utilities	1	LS	\$15,450	\$15,450
3	Sitework and Yard Piping	1	LS	\$144,200	\$144,200
4	20-inch Water Main	500	LF	\$134	\$66,950
5	3 MG Storage Tank	1	LS	\$2,214,500	\$2,214,500
6	Pump Station	1	LS	\$849,750	\$849,750
7	Electrical and Instrumentation	1	LS	\$334,750	\$334,750
8	Potable Water Main Tie-Ins	2	EA	\$18,540	\$37,080
9	Add/Delete Ductile Iron Fittings	2	TN	\$15,450	\$30,900
10	As-BUILTS/Layout	1	LS	\$30,900	\$30,900
11	Clearing, MOT, and Restoration	1	LS	\$61,800	\$61,800
Construction Sub-Total					\$4,095,280
Contingency @ 20%					\$819,056
Engineering Design and CEI @ 15%					\$614,292
Total Estimated Project Cost					\$5,528,628



CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities WRF

PROJECT#

CATEGORY

Wastewater System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

West SR 40

MANAGEMENT

Engineering

PROJECT SCOPE

Construction of a 4 million gallon per day Water Reclamation Facility to serve the western portion of the City's service area.

JUSTIFICATION

Constructing a new water reclamation facility in the western region of the City's service area would aid the City with the projected wastewater flow demands for future development.

PROJECT COST METHODOLOGY

Ormond Beach Wastewater Treatment Plant Site Planning and Technology Assessment Report

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	6,500,000	0	0	0	0	6,500,000
Construction and CEI	0	37,250,000	37,250,000	0	0	74,500,000
Total	6,500,000	37,250,000	37,250,000	0	0	81,000,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	4,610,000	27,800,000	27,800,000	0	0	60,210,000
Daytona Beach	1,890,000	9,450,000	9,450,000	0	0	20,790,000
Total	6,500,000	37,250,000	37,250,000	0	0	81,000,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities WRF Site Improvements

PROJECT#

CATEGORY

Wastewater System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

West SR40

MANAGEMENT

Engineering

PROJECT SCOPE

Construction of site improvements to serve a future 4 million gallon per day Water Reclamation Facility to serve the western portion of the City's service area.

JUSTIFICATION

Constructing site improvements at the location of where a future water reclamation facility is scheduled to be built would aid the City in properly preparing for the major expense associated with the new facility.

PROJECT COST METHODOLOGY

Ormond Beach Wastewater Treatment Plant Site Planning and Technology Assessment Report

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	1,700,000	0	0	0	0	1,700,000
Total	1,700,000	0	0	0	0	1,700,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	1,700,000	0	0	0	0	1,700,000
Total	1,700,000	0	0	0	0	1,700,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities SR40 Parallel FM

PROJECT#

CATEGORY

Wastewater System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

SR40

MANAGEMENT

Engineering

PROJECT SCOPE

Installation of a parallel force main on State Road 40.

JUSTIFICATION

Installation of a secondary parallel force main along SR 40 will be vital to the City in order to supply wastewater transmission capabilities for future developments in the western region of the City's service area. This parallel force main would direct flow to the western Water Reclamation Facility once that facility is operational.

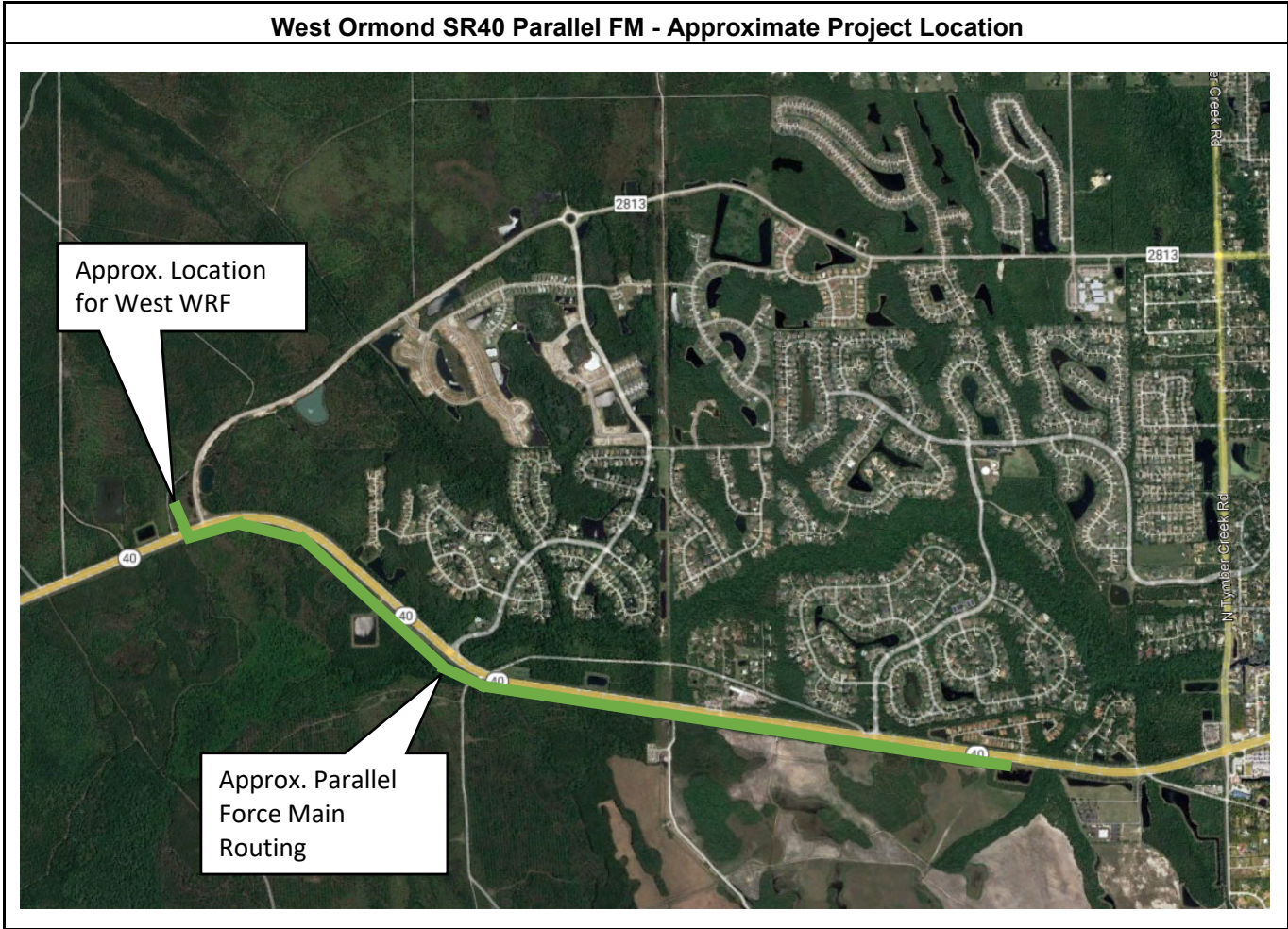
PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	225,000	0	0	0	225,000
Construction	0	0	2,760,000	0	0	2,760,000
CEI Services	0	0	120,000	0	0	120,000
Total	0	225,000	2,880,000	0	0	3,105,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	0	225,000	2,880,000	0	0	3,105,000
Total	0	225,000	2,880,000	0	0	3,105,000

West Ormond SR40 Parallel FM - Preliminary Cost Estimate - 2023					
Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	SR40 Parallel Force Main	1	LS	\$2,300,000	\$2,300,000
Construction Sub-Total					\$2,300,000
Contingency @ 20%					\$460,000
Engineering Design and CEI @ 15%					\$345,000
Total Estimated Project Cost					\$3,105,000



CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities - New Rima Wells

PROJECT#

CATEGORY

Water System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

City property near SR 40

MANAGEMENT

Utilities

PROJECT SCOPE

Construction of three additional wells at the Rima Ridge wellfield on the western portion of the City's service area.

JUSTIFICATION

Due to anticipated growth in the western portion of the City's service area, the City should plan on constructing three additional wells in the Rima Ridge wellfield. Having these wells constructed would aid in meeting future raw water needs. The City is currently in the process of discussing future wells with SJRWMD as a part of the Consumptive Use Permit renewal.

PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	0	300,000	0	0	300,000
Construction	0	0	0	2,885,000	0	2,885,000
CEI Services	0	0	0	122,500	0	122,500
Total	0	0	300,000	3,007,500	0	3,307,500

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	0	0	300,000	3,007,500	0	3,307,500
Total	0	0	300,000	3,007,500	0	3,307,500

West Ormond Utilities - New Rima Wells - Preliminary Cost Estimate - 2024

Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	New UFA Wells, Pumps, and Mechanical Equipment	3	EA	\$386,250	\$1,158,750
2	Well Access and Site Work	1	LS	\$669,500	\$669,500
3	Raw Water Main Piping	1	LS	\$283,250	\$283,250
4	Electrical and Instrumentation	1	LS	\$206,000	\$206,000
5	Emergency Power Generator	1	EA	\$206,000	\$206,000
Construction Sub-Total					\$2,523,500
Contingency @ 20%					\$504,700
Engineering Design and CEI @ 15%					\$378,525
Total Estimated Project Cost					\$3,406,725

West Ormond Utilities New Rima Wells - Approximate Project Location



CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities WTP Evaluation

PROJECT#

CATEGORY

Water System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

West SR40

MANAGEMENT

Engineering

PROJECT SCOPE

Design work effort aimed at outlining the steps the City will need to accomplish in order to bring a new Water Treatment Plant online.

JUSTIFICATION

Construction of a new Water Treatment Plant in the western region of the City's service area would aid the City with the projected water flow demands for future development. This undertaking, however, is vary complex and extensive. To improve the success rate for the City, this site Evaluation and Technology Selection Report would provide guidance regarding future steps the City needs to accomplish.

PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Evaluation Report	0	0	300,000	0	0	300,000
Total	0	0	300,000	0	0	300,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	0	0	300,000	0	0	300,000
Total	0	0	300,000	0	0	300,000

West Ormond WTP Evaluation and Technology Report - Preliminary Cost Estimate - 2024					
Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	Site Eval and Technoloy Report	1	LS	\$250,000	\$250,000
Contingency @ 20%					\$50,000
Total Estimated Project Cost					\$300,000

CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities Hand Ave FM

PROJECT#

CATEGORY

Wastewater System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

Hand Avenue

MANAGEMENT

Engineering

PROJECT SCOPE

Installation of a new force main on Hand Avenue.

JUSTIFICATION

Installation of an additional force main along Hand Avenue will be vital to the City in order to supply wastewater transmission capabilities for future developments in the western region of the City's service area. This parallel force main would direct flow on Hand Avenue to the existing lift station 5M. Exact routing of the force main is subject to change in the future.

PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	0	0	300,000	0	300,000
Construction	0	0	0	0	3,840,000	3,840,000
CEI Services	0	0	0	0	180,000	180,000
Total	0	0	0	300,000	4,020,000	4,320,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	0	0	0	300,000	4,020,000	4,320,000
Total	0	0	0	300,000	4,020,000	4,320,000

West Ormond Hand Avenue FM - Preliminary Cost Estimate - 2024

Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	Hand Avenue Force Main	1	LS	\$3,300,000	\$3,300,000
Construction Sub-Total					\$3,300,000
Contingency @ 20%					\$660,000
Engineering Design and CEI @ 15%					\$495,000
Total Estimated Project Cost					\$4,455,000

West Ormond Hand Avenue FM - Approximate Project Location



CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities WTP

PROJECT#

CATEGORY

Water System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

West SR 40

MANAGEMENT

Engineering

PROJECT SCOPE

Construction of a 3 million gallon per day Water Treatment Plant to serve the western portion of the City's service area.

JUSTIFICATION

Constructing a new Water Treatment Plant in the western region of the City's service area would aid the City with the projected water flow demands for future development.

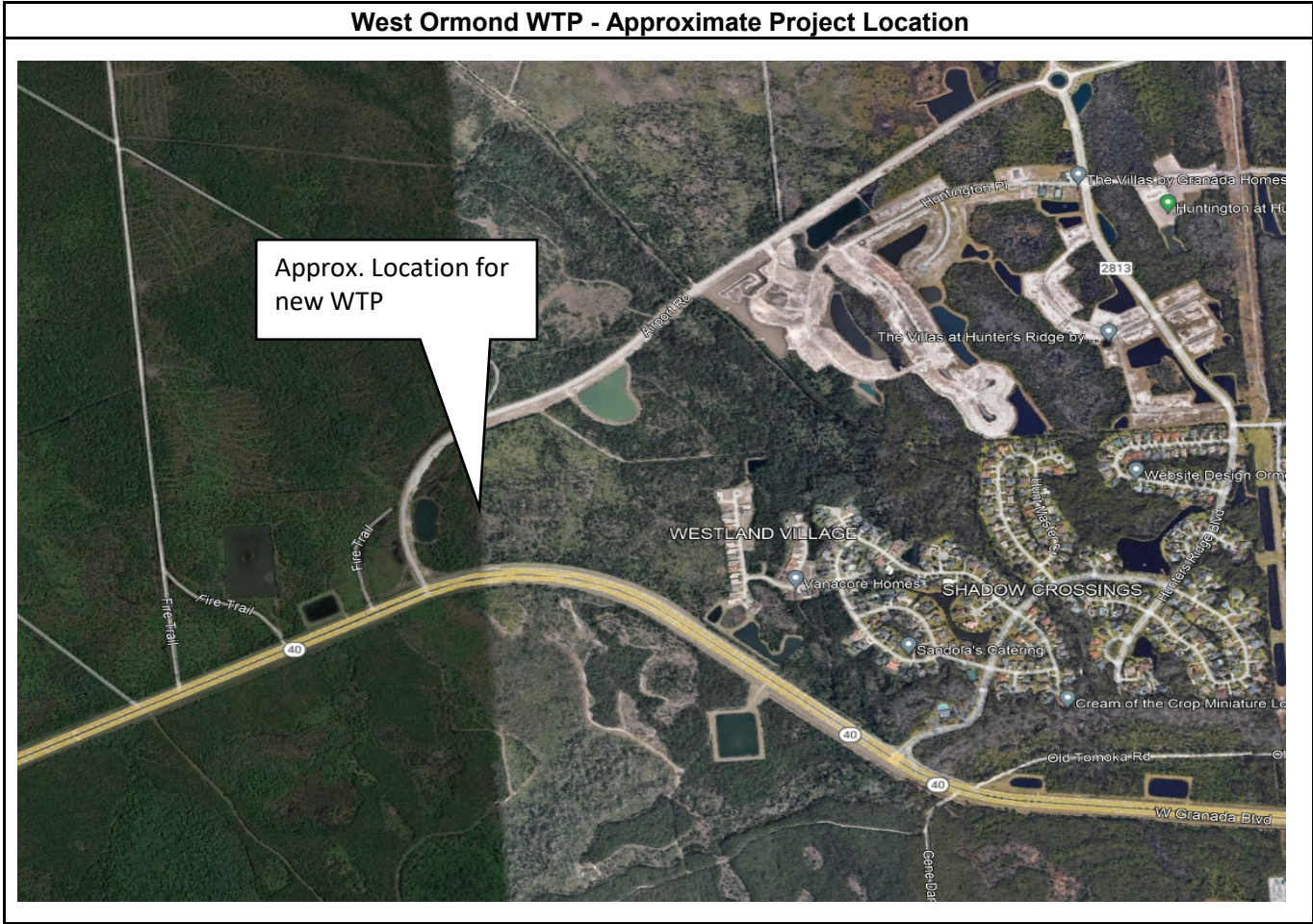
PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Design	0	0	0	4,500,000	0	4,500,000
Construction and CEI	0	0	0	0	42,750,000	42,750,000
Total	0	0	0	4,500,000	42,750,000	47,250,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	0	0	0	4,500,000	42,750,000	47,250,000
Total	0	0	0	4,500,000	42,750,000	47,250,000

West Ormond WTP - Preliminary Cost Estimate - 2024					
Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	3.0 MGD Water Treatment Plant	1	LS	\$38,000,000	\$38,000,000
Construction Sub-Total					\$38,000,000
Contingency @ 20%					\$7,600,000
Engineering Design and CEI @ 15%					\$5,700,000
Total Estimated Project Cost					\$51,300,000



CAPITAL PROJECT DETAIL

PROJECT TITLE

West Ormond Utilities - New Raw Water Wellfield

PROJECT#

CATEGORY

Water System Expansion

FUND

499-Water and Wastewater R and R (West Ormond)

PROJECT LOCATION

West SR 40

MANAGEMENT

Engineering

PROJECT SCOPE

Construction of fourteen additional wells at a new wellfield on the western portion of the City's service area.

JUSTIFICATION

The City's projected raw water demand for the calendar year of 2034 is currently listed as being 11 MGD. Recommendations from the City's most recent Master Plan suggest that the City would need to construct an additional nine wells to satisfy the overall increased raw water demand. The City is currently discussing future raw water demand prospects with the Saint Johns River Water Management District as part of the CUP renewal process. Project includes six (6) new generators to serve the nine wells.

PROJECT COST METHODOLOGY

Utility Master Plan with updated costs to reflect inflation. Pricing is subject to change based upon proposed wellfield location.

<u>EXPENDITURE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
Construction	0	0	0	0	15,000,000	15,000,000
Design	0	0	0	0	1,500,000	1,500,000
CEI Services	0	0	0	0	750,000	750,000
Total	0	0	0	0	17,250,000	17,250,000

<u>REVENUE</u>	2024-25	2025-26	2026-27	2027-28	2028-29	Total 2024-25 to 2028-29
To Be Determined	0	0	0	0	17,250,000	17,250,000
Total	0	0	0	0	17,250,000	17,250,000

West Ormond Raw Water Wellfield - Preliminary Cost Estimate - 2024

Item	Item Description	Qty	Unit	Unit Cost	Total Cost
1	New UFA Wells, Pumps, and Mechanical Equipment	9	EA	\$386,250	\$3,476,250
2	Well Access and Site Work	1	LS	\$3,605,000	\$3,605,000
3	Raw Water Main Piping	1	LS	\$2,575,000	\$2,575,000
4	Electrical and Instrumentation	1	LS	\$1,854,000	\$1,854,000
5	Emergency Power Generator	6	EA	\$309,000	\$1,854,000
Construction Sub-Total					\$13,364,250
Contingency @ 20%					\$2,672,850
Engineering Design and CEI @ 15%					\$2,004,638
Total Estimated Project Cost					\$18,041,738



999-UNFUNDED

Other Request without identified funding sources

Other Requests

EXPENDITURE

Airport Business Park Street Lights	430,000
Andy Romano Shade Structure & Fabr	116,205
Development of a BC and DR plan	100,000
Granada Street Lights	4,087,000
Nova LED Baseball Lighting	2,266,000
Nova Parking & Fitness Stations	901,300
OBSC Parking	632,000
Ormond Crossings Pump Station	5,266,150
Ormond Crossings Road Improvement	225,000
Ormond Crossings Transmission Main	8,770,000
PAL House	790,000
Police Department Impound Lot Awnin	213,500
Pretreatment Structure Replacement	8,850,000
Pumper Fire Apparatus	1,200,000
Replacement of Battalion Chief Vehicl	75,000
Riverside Dr Force Main Improvement	3,355,000
SCADA and Networking Upgrade	885,000
Sports Complex Challenge Course	315,000
Western Community Center	18,545,278
WTP Chemical Feed System Upgrade	590,750
WTP Scrubbers and De-gasifiers Reh	1,751,500
WWTP Odor Control	875,000

TOTAL EXPENDITURES

60,239,683