TECHNICAL MEMORANDUM

Index Number 417-47 – Davis - Gate Pkwy To RG Skinner - Trans - R

PREPARED FOR: JEA CAPITAL BUDGET PLANNING

PREPARED BY: WATER/WASTEWATER SYSTEMS PLANNING, Susan R. West, P.E.

DATE: December 28, 2018

Revision History	Revision History (add rows as needed)											
Revision	Date	Author	Comments									
1.0	04-Mar-21	Elizabeth	Updated PD to incorporate combining project									
		DiMeo	with 102-37: SIPS Greenland Pipeline, updated									
			conceptual estimate and schedule. Updated									
			information related to associated development									
			projects.									

Introduction & Justification

This Technical Memorandum (TM) is prepared for a planned reclaimed water main extension of approximately 15,000 feet of 30" reclaimed water main from RG Skinner Parkway to just south of J. Turner Butler Boulevard (JTB) at the Kernan Boulevard interchange. This TM identifies the preliminary route, itemizes potential design and construction considerations, provides a preliminary opinion of probable cost and includes a proposed project schedule.

This project is part of the JEA Reclaimed Water Master Plan and complete a portion of the connection between the Arlington East WRF with the planned Greenland WRF. Currently the reclaimed water flow from Arlington East is limited to 4 MGD. The completion of this main will allow the overall flow from Arlington East to increase to 16.8 MGD from both this proposed main and other reclaimed main projects currently underway. Increasing the reclaimed water available and subsequently the customer base not only helps revenues, but also reduces the overall discharge volume of treated waters to the St. Johns River and connected tributaries. Reducing the directly discharged volume reduces the amount of Total Nitrogen (TN) released into the environment, and as such provides an excellent approach to further assist JEA's efforts to remain below TMDL maximums. This connection is also critical for providing adequate service to the Nocatee area and the Greenland Energy Center when the combined-cycle turbines are implemented. The Greenland WRF site has been identified to serve as a major reclaimed water storage and delivery point for the reclaimed water distribution system.

This project will be designed and constructed in parallel to 102-37: SIPS - Greenland - Southside Blvd - Deerwood 3 to Greenland 30-inch water main project.

Scope

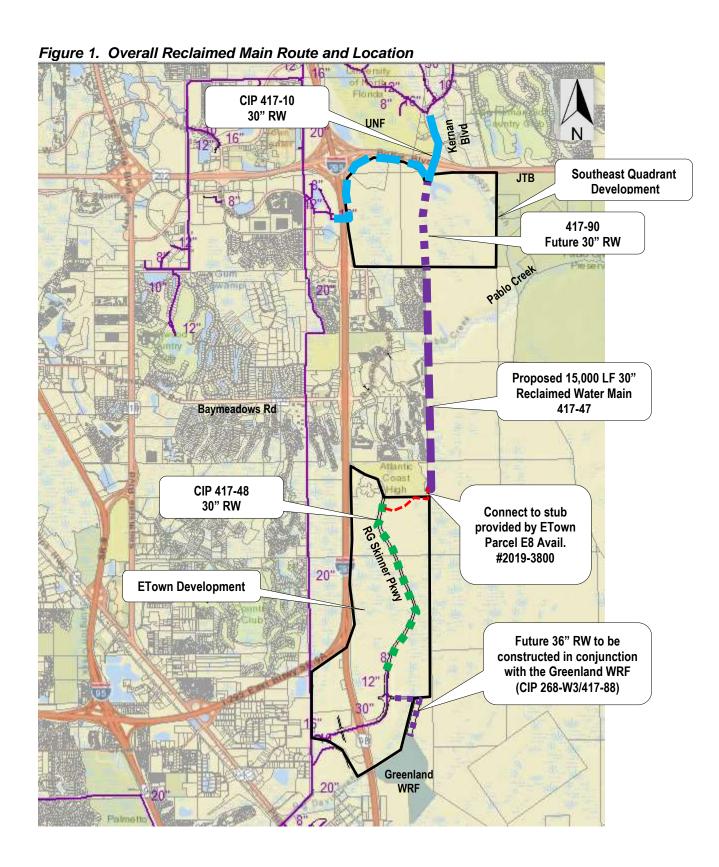
Capacity

The reclaimed water main sizing of 30 inches is based on the existing and future projected reclaimed flows from the Arlington East WRF. This selection was based on the JEA Standards for ideal flow velocity of 2-5 fps and maximum operating pressure of 75 psi for a reclaimed water main.

Route & Alignment

As shown in Figures 1 and 2, the proposed 30" reclaimed water main routing will connect to a future crossing of the Southeast Quadrant Development Parcel (417-90), follow an easement south then

crossing the ETown development and connecting to the 30" reclaimed water main in RG Skinner Parkway. At the north end, the main will provide a 30 inch stubout for the future connection on the south side of the Southeast Quadrant Development just south of the JTB/Kernan Blvd interchange. A future 30 inch reclaimed main (approximately 5,500 feet) will cross the Southeast Quadrant Development in phases as a cost participation project (first phase anticipated to begin in FY 21). This portion will be handled by a separate project, but is noted to ensure coordination between the projects.



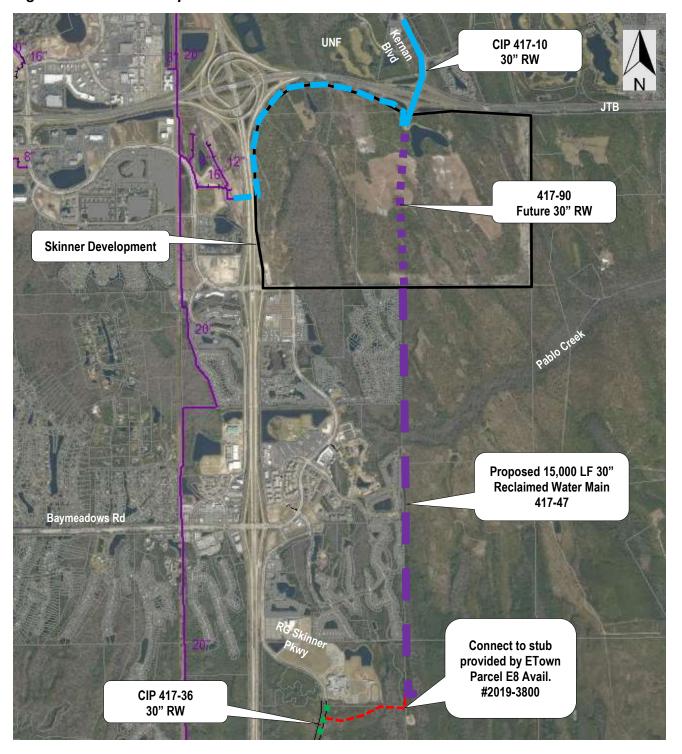
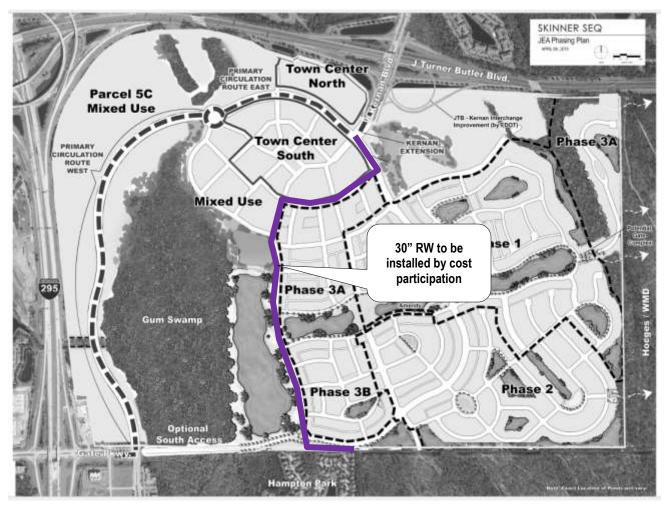


Figure 2 – Reclaimed Pipe Route – Aerial View

The proposed crossing of the Southeast Quadrant development is shown in Figure 3.

Figure 3

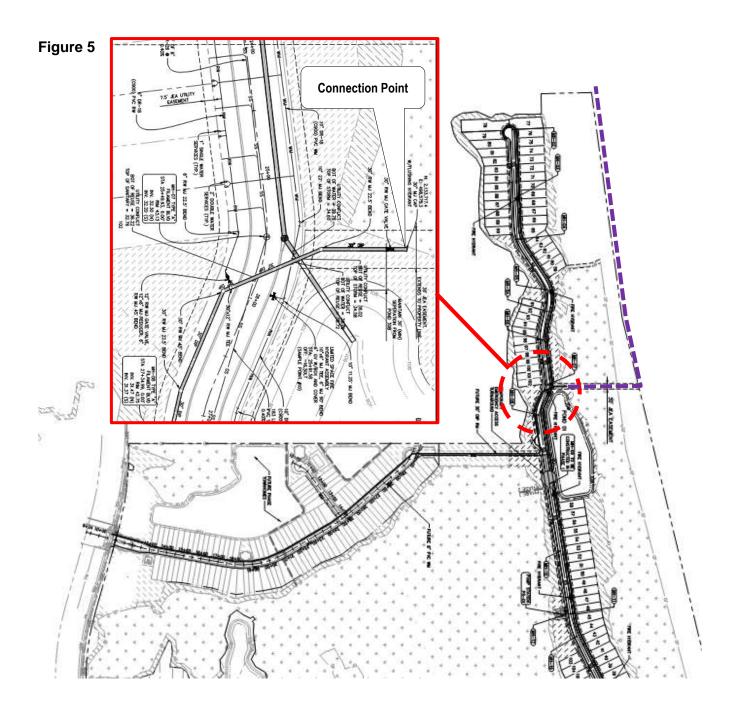


Just south of the Southeast Quadrant Development parcel, the reclaimed main will be installed within an easement to the ETown Development parcel. Final easement location and sizing is currently being negotiated with the land owner. The final easement configuration may include sizing for additional water and sewer mains as well as electrical infrastructure. The length of main to be installed within the easement is approximately 12,500 feet. The easement area is wooded and undeveloped. A directional drill is anticipated at the Pablo Creek crossing. A detail of this section is shown in Figure 4.

Skinner Development Proposed 15,000 LF 30" **Reclaimed Water Main** (12,500 in easement, 2,500 on **ETown Development) Atlantic Coast High School** Existing 30" RW Connect to stub provided by ETown Parcel E8 Avail. #2019-3800

Figure 4 - Easement Area Detail

The portion of the reclaimed main that crosses the ETown Development is addressed in the Developer Utility Service and JEA Cost Participation Agreement between JEA and the developer. Per this agreement, the developer is extending a 30" main across the development and is providing a 30 foot easement on the north side of the property. This east-west reclaimed main was designed under Availability Number 2019-3800 and is currently under construction. Based on the progress of the ETown Development, it is anticipated that this 2,500 foot section of reclaimed main will be completed during 2021. A detail of this area is shown in Figure 5. The design engineer is Kimley Horn (project number 044808044) and the underground contractor is Jax Dirtworks, Inc.



Method of Construction

The methods of installation for the proposed reclaimed water main shall be by any means necessary in accordance with the latest edition of the JEA Water & Sewer Standards Manual, JEA Design Guidelines and as allowed by the City of Jacksonville. The project engineer should determine the most economical pipe routing and installation methods while remaining consistent with the JEA standards and specifications.

Special Crossings

The installation should primarily occur as a greenfield project. Portions of the main will be within undeveloped easement tracts which will likely require 1 or more wetland crossings. The method of install at these crossings shall be determined at the time of design when the wetland limits are known. Open cut or directional drill methods are acceptable provided the effective drill pipe diameter is consistent with the open cut pipe section.

Land Ownership/Real Estate Issues

The pipe routing will involve crossing development parcels and will utilize easements across undeveloped lands. The portions of the main that will cross development parcels may be accomplished by agreement with the developer with the developer engineering, permitting and constructing those sections with JEA reimbursement. It is expected the portion of work to be handled by the JEA Delivery and Collection Team is the portion within the easement. Efforts are underway by Planning and Real Estate to secure the easement required. It is possible the final easement alignment may include space for other water and sewer mains and electrical infrastructure. Final details of the easement to be provided when obtained.

The need for any other temporary construction or permanent easements should be evaluated early in the design process to allow time for acquisition. Any other easements and right-of-way issues will be coordinated by the design team and addressed during the project design phase.

The pipeline will be co-located with the SIPS-Greenland 30-inch water main in an easement along the D-Dot Ranch parcel. Real estate acquisition is underway and expected to be completed by the end of FY21.

Survey Requirements

Final design of the project should be based on field survey data including horizontal and vertical locations and identification of existing utilities, pavement, guardrail, structures, electrical power poles, mail boxes and drainage features within the project area limits. Right-of-way boundary limits, existing easements and parcel ownership lines should be included on the survey as well as any vegetation deemed 'protected' by the governing jurisdictions including City of Jacksonville protected trees. Any wetland lines or significant habitat community limits should be flagged prior to survey commencement.

Site Development Characteristics

The project area includes work within public right-of-ways and undeveloped easements. The presence of environmentally sensitive wetlands and listed species within the project corridor should be evaluated and identified with the project survey effort.

Limits of Flood Plain

As shown in Figure 6, the pipe route will cross multiple 100 year flood plain strips per FEMA FIRM panels 557, 559 and 580 for Duval County.

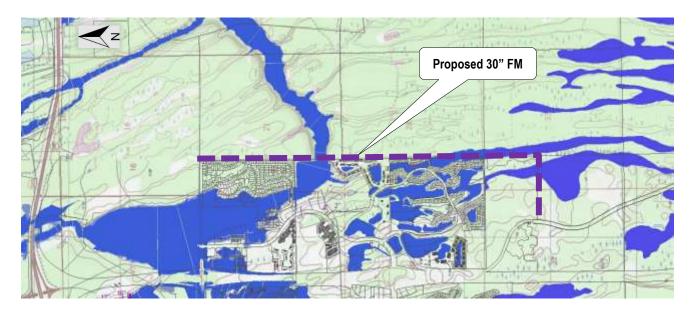


Figure 6. FEMA Flood Zone – Site Overlay

Permit List

It is anticipated that permits may be required by the City of Jacksonville, (10 set review and Right-of-Way permit), the Florida Department of Environmental Protection, Army Corps of Engineers and the St. Johns River Water Management District. The project corridor should be evaluated for the presence of jurisdictional wetlands, listed species and protected trees. The need for any associated permitting should be addressed during the design phase. Other permits may be determined necessary during the design process and should be obtained by the design team.

Risks

This project provides for future growth in the southern reclaimed water service area, and improves the connection between the Arlington East WRF and Greenland WRF. Providing reclaimed water to bulk and retail users is the cheapest cost per gallon disposal method when compared to constructing rapid infiltration basins, retrofitting existing communities or aquifer recharge. Significant cost savings will be realized if the portions of this project which cross development parcels are constructed along with the development as a greenfield install. Constructing after the fact will result in suburban development impacts to roadway, infrastructure, hardscape and landscape.

Project Schedule

Milestone	Project Request	Revised PD	30% Design	60% Design	90% Design	100% Design	Bid
Project Start	1-Oct-19	22-Jul-20					
Design Start	1-Apr-20	07-Dec-21					
Design Finish	1-Feb-21	18-May-23					
Construction Start	~1-July 21	23-Jan-24					
Substantial	-	22-Dec-25					
Completion	_	22-Dec-23					
Final Completion	~1-Apr-22	01-Feb-25					

Project Cost

Cost Category	Project Request/ Original PD	Updated PD	30% Design	60% Design	90% Design	100% Design	Bid
Direct Const.	\$6,590,492	\$6,897,001					
Contingency	\$1,318,098	\$1,379,000					
SWA	\$0	\$0					
JEA Direct Const.	\$0	\$0					
Project Mgmt							
Engineering							
Prj. Support							
Serv.During Const							
Miscellaneous							
Real Estate							
Total							

Appendix A: Project Estimate Appendix B: Project Schedule

Appendix A

Supporting Cost Estimate Information

CONSTRUCTION COST ESTIMATE

Project: 417-47 Gate Parkway to RG Skinner Parkway-Trans-R

CIP Cat: Reclaim Water Distribution

File Name: WS19008-1 417-47 Gate Parkway to RG Skinner Parkway-Trans-R

Cost Index: 11749.75 for March 2021

CP No: 417-47



Project Mgr: Beth DiMeo Estimator: N Simmons

Estimate No: WS19008-1

Rev. No: 1

Date: 3/4/2021

PROJECT DEFINITION

CLASS 4

DIRECT CONSTRUCTION COSTS

Total Contractor Costs		\$3,768,849	\$435,994	\$130,329	\$3,941,228	\$8,276,401
Contingency (Contract SWA)	0%	\$0	\$0	\$0	\$0	\$0
Contingency (Contractors Risk)	20%	\$628,142	\$72,666	\$21,722	\$656,871	\$1,379,400
Subtotal Contractor Cost		\$3,140,708	\$363,329	\$108,608	\$3,284,357	\$6,897,001
Escalation	9%	\$267,233	\$30,915	\$9,241	\$279,456	\$586,845
Total From Estimate Details		\$2,873,475	\$332,414	\$99,367	\$3,004,901	\$6,310,157
Contractor Cost		<u>Material</u>	<u>Labor</u>	<u>Equipment</u>	Other/Sub-Cont.	<u>TOTAL</u>

Total Direct Costs	\$3,768,849	\$435,994	\$130,329	\$3,941,228	\$8,276,401
Subtotal: Additional Direct Costs	\$0	\$0	\$0	\$0	\$0
JEA Other Contract Costs	\$0	\$0	\$0	\$0	\$0
JEA Supplied Material and Other	\$0	\$0	\$0	\$0	\$0
Additional Direct Costs	<u>Material</u>	Labor	Equipment	Other/Sub-Cont.	<u>TOTAL</u>

13,600 LF 30" CLDI Reclaim Water Main Open Cut, 1,400 LF 36" HDPE Reclaim Water Main Directional Drill

CLASS 4 Accuracy Range -30% to +30%

3/4/21 1 of 7

Appendix B

Project Schedule

				F	P 2041747	Davis -	Gate Pl	Run Date: 08-Mar-21 wy to RG Skinner - Trans - R Data Date: 08-Mar-21
Activity ID	Activity Name	Original Ac Duration Dur	tual ration	Start	Finish	Start Variance	Finish Variance	2027 2026 2027 2026 2027 2027 2028 2029 2029 2029 2029 2029 2029 2029
FP 2041747 Davis - 0	Gate Pkwy to RG Skinner - Trans - R							
Milestones								
M1	M1 - Project Controls Accepts PSS	0d (0d	22-Jul-20 A		0d	0d	M1 - Project Controls Accepts PSS
M2	M2 - Project Scope Signoff Complete	0d (0d		22-Jul-20 A	0d	0d	M2 - Project Scape Signoff Complete
M3	M3 - Start Design	0d (0d	07-Dec-21		-81d	-81d	M3 - Start Design
MR	MR - Real Estate Acquisition Complete	0d (0d		07-Sep-22	-266d	-266d	♦ MR -:Real Estate Acquisition Complete:
M4	M4 - Design Complete	0d 0	0d		18-May-23	-76d	-76d	M4 - Design Complete
M6	M6 - Commence Construction	0d (0d	23-Jan-24		-87d	-87d	
M7	M7 - Construction Substantially Complete	0d (0d		22-Dec-25	-87d	-87d	
M8	M8 - Construction Complete	0d (0d		01-Feb-26	-88d	-88d	
M9	M9 - Project Closure Complete	0d (0d		04-Jun-26	-80d	-80d	🌎 🏓 M9;- Project Closure
Scope Definition								
S1000	Setup Footprint	5d 1	1d	22-Jul-20 A	22-Jul-20 A	0d	0d	Şetup Footprint
TD1000	Time Delay: FY21 Capital Budget Delay	231d 16	61d	22-Jul-20 A	29-Dec-20 A	0d	0d	Time Delay: FY21 Capital Budget Delay
Designer Procurem	nent							
RFP Development								
DP1005	PM S/A of Phase I for RFP	5d 1	3d	15-Jan-21 A	04-Feb-21 A	0d	-8d	PMt S/A of Phase I for RFP
DP1191	PM notified that Zycus Software Rejected Phase 1 Submittal		4d	05-Feb-21 A	11-Feb-21 A			I PM notified that Zycus Software Rejected Phase 1 Submittal
DP1192	PM re-submitted Phase 1 Submittal into Zycus		0d	18-Feb-21 A	18-Feb-21 A			PM re-submitted Phase 1 Submittal into Zycus
DP1193	PM P/S Required RFP Items for Buyer		1d	19-Feb-21 A	06-Mar-21 A	-23d	-29d	■ PM P/S Required RFP Items for Buyer ■ PM P/S Required RFP Items for Buyer
DP1120	Procurement Prepare, Approve and Advertise RFP Package	15d (0d	08-Mar-21 A	26-Mar-21	-29d	-29d	⇒ Procurement Prepare, Approve and Advertise RFP Package
Advertise and Bid								
MB1	MB1 - Ad vertise RFP for Design	0d (0d	27-Mar-21		-42d	-42d	🌎 🍑 MB1 ∹Advertise: RIP for Design:
DP1020	Procurement Advertise RFP for Design		0d	27-Mar-21	25-May-21	-42d	-72d	Procurement Advertise RFP for Design
MB5	MB5 - Open Design Proposals (Tuesday Only)		0d	01-Jun-21	,	-11d	-11d	MB5 - Open Design Proposals (Tuesday Only)
DP1040	Designated Graders Review/Score Design Proposals		0d	02-Jun-21	22-Jun-21	-54d	-54d	
DP1200	Procurement Review/Score Proposal, Conduct Pre-Eval Meeting, Issue Pt		0d	23-Jun-21	29-Jun-21	-54d	-54d	Procurement Réview/Score Proposal, Conduct Pre-Eval Meeting, Issue Public Notice
DP1050	Procurement Conduct Public Evaluation Meeting		0d	02-Jul-21		-54d	-54d	Procurement Conduct Public Evaluation Meeting
DP1070	PM Request Cost Proposal and Negotiate with Designer	25d (0d	06-Jul-21	09-Aug-21	-54d	-54d	PM Request Cost Proposal and Negotiate with Designer
DP1150	PM Request and Receive Post Design Bid Estimate	5d (0d	10-Aug-21	16-Aug-21	-54d	-54d	PM Request and Receive Post Design Bid Estimate
DP1170	Procurement S/A of Phase II for RFP	5d (0d	17-Aug-21	23-Aug-21	-54d	-54d	Procurement S/A of Phase II for RFP
DP1160	PM Update PUF and Trend to Post Design Bid Estimate	10d (0d	17-Aug-21	30-Aug-21	-54d	-54d	PM:Update:PUF and Trend to Post Design Bid Estimate
DP1210	Procurement Request Inclusion on Awards Agenda (Friday by Noon)	1d (0d	27-Aug-21	27-Aug-21	-11d	-11d	Procurement Request Inclusion on Awards Agenda (Friday by Noon)
Award Design		,						
DP1080	Conduct Awards Committee Meeting for Design (Thursday Only)	0d (0d	02-Sep-21		-11d	-11d	Conduct Awards Committee Meeting for Design (Thursday Only)
DP1085	OGC Review of Design Contract	20d (0d	02-Sep-21	30-Sep-21	-54d	-54d	⇒ □ OGC Review of Design Contract
DP1090	Execute Design Contract		0d	01-Oct-21	28-Oct-21	-54d	-54d	Execute Design Contract
DP1095	OGC Review Executed Design Contract		0d	29-Oct-21	19-Nov-21	-54d	-54d	OGC Review Executed Design Contract
DP1100	PM Submit Design Requisition	2d (0d	22-Nov-21	23-Nov-21	-54d	-54d	PM Submit Design Requisition
DP1110	Procurement Issue Design PO	7d (0d	24-Nov-21	06-Dec-21	-54d	-54d	Procurement Issue Design PO
Design and Engine	eering							
30% Conceptual D	<u> </u>							
SD1000	Conduct Design Kick-Off Meeting / Request Site Access	1d (0d	07-Dec-21	07-Dec-21	-54d	-54d	Conduct Design Kick-Off Meeting /:Request Site Access
CD1000	Designer Perform 30% Design		0d	07-Dec-21	07-Jun-22	-54d	-54d	Designer Perform 30% Design
CD1010	30% Design Submittal from Designer		0d		07-Jun-22	-54d	-54d	
CD1020	JEA Review 30% Design		0d	08-Jun-22	28-Jun-22	-54d	-54d	
CD1030	Conduct 30% Design Review Meeting	1d (0d	29-Jun-22	29-Jun-22	-54d	-54d	Conduct 30% Design Review Meeting
30% Checkpoint								
M30	M30 - 30% Design Checkpoint and Trend Submitted	0d (0d	30-Jun-22		-54d	-54d	M30 -30% Design Checkpoint and Trend Submitted
CD1040	S/A OF 30% Checkpoint and Trend	10d (0d	30-Jun-22	14-Jul-22	-54d	-54d	S/A OF 30% Checkpoint and Trend
Remaining L		ning Work					Pag	1 of 3 TASK filters: Do Not Show LOE, Do Not Show WBS Summaries.

				F	P 2041747	7 Davis -	Gate Pkwy	to RG Skinner - Trans - R	Run Date: Data Date:	
y ID	Activity Name	Original Duration	Actual	Start	Finish	Start Variance	Finish	2020 2021	2022 2023 2024 2025 2026	20 11 11 11 11
60% Design		2 4.440	2 4 4 4 4			Tananoo	J va	111111111111111111111111111111111111111	173 11/1 13/1 14/1	SONDJF
D6010	Designer Perform 60% Design	80d	0d	30-Jun-22	21-Oct-22	-54d	-54d		Designer Pelform 60% Design	
D6020	60% Design Submittal from Designer	0d	0d	00 0dil 22	21-Oct-22	-54d	-54d			
D6030	JEA Review 60% Design and Submit Comments to Designer	5d	0d	24-Oct-22	28-Oct-22	-54d	-54d		JEA/Review 60% Design and Submit Comments to Designer JEA/Review 60% Design and Submit Comments to Designer	
D6035	Conduct 60% Design Review Meeting	1d	0d	31-Oct-22	31-Oct-22	-54d	-54d		Conduct 60% Design Review Meeting	
90% Design	Conduct 00 /0 Design Neview Wiceting	iu	ou	31-001-22	31-Oct-22	-0-tu	-0-tu		. Collaboration Design Review Meeting	
D9010	Designer Perform 90% Design	80d	0d	24-Oct-22	22-Feb-23	-54d	-54d			
D9020	90% Design Submittal from Designer	0d	0d	24-04-22	22-Feb-23 22-Feb-23	-54d	-54d		Designer Perform 90% Design	
D9030	JEA Review 90% Design	10d	0d	23-Feb-23	08-Mar-23	-54d	-54d		♦ ♦ 90% Design Submittal from Designer ■ JEA Revie w 90% Design	
D9050		10d	0d	09-Mar-23	09-Mar-23	-54d	-54d			
	Conduct 90% Design Review Meeting	Id	ou	09-IVIAI-23	09-Mai-23	-540	-54u	· 	Conduct 90% Design Review Meeting	
100% Design	D : D (400% D :	40.1	0.1	40.14 00	0414 00	541	541			
D1000	Designer Perform 100% Design	40d	0d	10-Mar-23	04-May-23	-54d	-54d		Designer Perform 100% Design	
D1010	100% Design Submittal from Designer	0d	0d	0514 00	04-May-23	-54d	-54d		♦ 100% Design Submittat from Designer	
D1020	JEA Review 100% Design and Provide Comments	5d	0d	05-May-23	11-May-23	-54d	-54d		JEA Réview 100 % Désign ánd Provide Comments	
D1040	Designer P/S 100% Final Documents	5d	0d	12-May-23	18-May-23	-54d	-54d		Designer P/S 100% Final Documents	
100% Checkpoint M100	M100 - 100% Design Checkpoint and Trend Submitted	04	04	19-May-23		-54d	-54d			
	S/A of 100% Design Checkpoint and Trend	0d	0d		02 lun 22				M100 - 100% Design Checkpoint and Trend Submitted	
D1050	S/A of 100% Checkpoint and Trend	10d	0d	19-May-23	02-Jun-23	-54d	-54d		. ■ S/A of 100% Checkpoint and Trend	
Permitting										
SJRWMD					,	,				
P1005	P/S SJRWMD Permit Application	25d	0d	23-Feb-23	29-Mar-23	-54d	-54d		P/S:SJRWMD Permit:Application	
P1015	SJRWMD R/A Permit Application	30d	0d	30-Mar-23	10-May-23	-54d	-54d		SJRWMD R/A Permit Application	
P1035	Receive SJRWMD Permit	0d	0d		10-May-23	-54d	-54d		Receive SJRWMD/Permit	
DEP and Enviro	nmental									
P1110	P/S FDEP Permit Application	25d	0d	23-Feb-23	29-Mar-23	-54d	-54d		P/S:FDEP Permit Application	
P1180	FDEP R/A Permit Application	30d	0d	30-Mar-23	10-May-23	-54d	-54d		. ⇒ FDEP R/A Permit Application	
P1100	Receive FDEP Permit	0d	0d		10-May-23	-54d	-54d		Receive FDEP;Permit	
FDOT										
P1170	P/S FDOT Permit Application	25d	0d	23-Feb-23	29-Mar-23	-54d	-54d		P/S/FDOT Permit Application	
P1020	FDOT R/A Permit Application	30d	0d	30-Mar-23	10-May-23	-54d	-54d		. 👄 : 🔲 FDOT R/A Permit Application:	
P1150	Receive FDOT Permit	0d	0d		10-May-23	-54d	-54d	**************************************	Receive FDOT Permit	
COJ										
P1160	P/S COJ ROW Application	25d	0d	23-Feb-23	29-Mar-23	-54d	-54d		P/S COJ ROW Application	
P1120	COJ R/A ROW Application	30d	0d	30-Mar-23	10-May-23	-54d	-54d		: ➡ COJ R/A ROW Application:	
P1130	Receive COJ ROW Approval	0d	0d		10-May-23		-54d		Receive COJ ROW Approval	
FWC					, ,		1-1	· \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$	· · · · · · · · · · · · · · · · · · ·	-1-1-1-1-1
P1200	P/S FWC Permit Application	25d	0d	23-Feb-23	29-Mar-23	-54d	-54d			
P1210	FWC R/A Permit Application	30d	0d	30-Mar-23	10-May-23	-54d	-54d		FWC R/A Permit Application	
P1220	Receive FWC Permit	0d	0d	00 Wai 20	10-May-23	-54d	-54d		Receive FWC Permit	
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ACOE P1230	D/S ACOE Pormit Application	25-1	٧ ٩	22 Fak 22	20 Mar 22	-54d	E4d			
	P/S ACOE Permit Application	25d	0d	23-Feb-23	29-Mar-23		-54d		⇒ P/SACOE Permit:Application	
P1240	ACOE R/A Permit Application	30d	0d	30-Mar-23	10-May-23	-54d	-54d		ACOE R/A Permit Application	
P1250	Receive ACOE Permit	0d	0d		10-May-23	-54d	-54d		Receive ACOE Permit	
Real Estate										
R1010	Real Estate Acquisition	189d	43d	04-Jan-21 A	07-Sep-22	179d	-182d		Real Estate Acquisition	
Construction Pro	ocurement									
Bid Package Pro	eparation									
B2020	PM S/A of Phase I for IFB	5d	0d	05-Jun-23	09-Jun-23	-54d	-54d		- ■ PM S/A of Phase I for IFB	
B2330	PM Prepare Required IFB Items for Buyer	5d	0d	05-Jun-23	09-Jun-23	-54d	-54d		PM Prepare Required IFB Items for Buyer	
B2005	Procurement Prepare, Approve and Advertise IFB Package	15d	0d	12-Jun-23	30-Jun-23	-54d	-54d		⇒ ■ Procurement Prepare, Approve and Advertise IFB Package	
Damairi:	-	Remaining Work	1		1	Ţ.				
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Actual Lev	rel of Effort	aav	- 1							

				F	P 2041747	' Davis -	Gate PI	kwy t	to RG S	kinner -	- Trans	· R					Run Date: 08-N Data Date: 08-N	
Activity ID	Activity Name	Original	Actual	Start	Finish	Start	Finish			2020		2021		20			2023 2024 2025 2026	2027
		Duration	Duration			Variance	Variance	DVC	JFMAM	JJASD	N D J F M A	MJJAS	0 1 2 1 =	MAMJ	JASJVDJ	FMAMJ	JJASONDJEMAMJJASONDJEMAMJJASONDJEMAMJJASOND	JFMA
Advertisement				,	,	,												
B2070	Procurement Advertise IFB	60d	0d	01-Jul-23	29-Aug-23	-77d	-77d									1 1 1 1 1	Procurement Advertise IFB	
B2080	Notify Project Outreach and Environmental Services	0d	0d	03-Jul-23		-54d	-54d										Notify Project Outreach and Environmental Services	
MB2	MB2 - Advertise Bids for Construction	0d	0d	03-Jul-23		-54d	-54d									♦	♦ MB2 - Advertise Bid's for Construction	
Pre-Bid																		
B2090	Procurement Conduct Prebid Meeting	1d	0d	18-Jul-23	18-Jul-23	-54d	-54d										Procurement Conduct Prebid Meeting	1 1 1 1
Bid								: :										
MB3	MB3 - Open Construction Bids (Tuesday Only)	0d	0d	05-Sep-23		-11d	-11d	1 1									MB3 - Open Construction Bids (Tuesday Only)	
B2150	PM Perform Construction Bid Analysis	1d	0d	05-Sep-23	05-Sep-23	-53d	-53d										PM Perform Construction Bid Analysis	
Project Update				,		<u>'</u>												
B2190	PM Update Project Estimate with Bid Price	1d	0d	05-Sep-23	05-Sep-23	-53d	-53d	7-1-		-1-1-1-1-1	!!! - 4 - 1 - !		-1-1-1-1				PM Update Project:Estimate with Bid Price	
B2180	Procurement S/A of Phase II for IFB (Dir by Thursday, VP by Monday)	4d	0d	06-Sep-23	11-Sep-23	-53d	-53d										Procurement S/A of Phase II for IFB (Dir by Thursday, VP by Monday)	
VP10	PM P/S Vendor Performance on Designer	5d	0d	06-Sep-23	12-Sep-23	-53d	-53d										RM R/S Vendor Performance on Designer	
B2220	PM Update PUF and Trend to Post Bid Estimate	10d	0d	06-Sep-23	19-Sep-23	-53d	-53d										PM Update PUF and Trend to Post Bid Estimate	
B2225	Procurement Request Inclusion on Awards Agenda (Friday by Noon)	1d	0d	15-Sep-23	15-Sep-23	-11d	-11d										l Procurement Request Inclusion on Awards Agenda (Friday by Noon)	
Award													-1-1-1-1				9	
B2230	Conduct Awards Committee Meeting for Construction (Thursday Only)	0d	0d	21-Sep-23		-11d	-11d										Conduct Awards Committee Meeting for Construction (Thursday Only)	
B2235	OGC Review of Construction Contract	20d	0d	21-Sep-23	18-Oct-23	-54d	-54d	-									Conduct Awards Committee infecting for Construction (Truiscasy Only)	
B2250	Procurement Execute Construction Contract	20d	0d	19-Oct-23	16-Nov-23	-54d	-54d										Procurement Execute Construction Contract	
B2255	OGC Review Executed construction Contract	15d	0d	17-Nov-23	11-Dec-23	-54d	-54d	-									GGC Review Executed construction Contract:	
B2265	PM Submit Requisition for Construction	2d	0d	12-Dec-23	13-Dec-23	-54d	-54d		1-1-1-1-1								PM Submit Requisition for Construction	
B2290	PM Compile and Reproduce Conformed Documents	8d	0d	12-Dec-23	21-Dec-23	-54d	-54d	-									PM Compile and Reproduce Conformed Documents	
B2320	Procurement Issue Construction PO	20d	0d	14-Dec-23	16-Jan-24	-54d	-54d	-									Procurement Issue Construction PO	
B2310	Hold Pre-Construction Meeting / Update Site Access	1d	0d	22-Jan-24	22-Jan-24	-54d	-54d										Hold Pre-Construction Meeting // Update Site Access	
Construction	, rotal ris deficiences. Meeting / Openic Site / 20005	. ~			22 042	0.4	0.4										1 I I I I I I I I I I I I I I I I I I I	
C1020	Perform Construction	700d	0d	23-Jan-24	22-Dec-25	-87d	-87d		+									
VP20	PM P/S Vendor Performance on Const.Contractor	700d	0d	23-3an-24 22-Apr-24	26-Apr-24	-87d	-87d	-									Perform Construction PM P/S Vendor Performance on Const Contractor	
C1022	PM Notify JEA Internal Stakeholders of SC	1d	0d	23-Dec-25	23-Dec-25	-57d	-57d	- 11										04-11-
	PW Notify JEA III et lai Stakehold as 0130	Iu	ou	23-Dec-23	23-Dec-23	-50u	-56u										PM Notify:JEA Interna	Staken
Punchlist	Considerate Demokrate Wellight Wellight was such	4.4	04	02 Dag 05	02 Dec 25	-58d	E04											
C1600	Conduct Punchlist Walkthrough	1d	0d	23-Dec-25	23-Dec-25		-58d						- - - - -				Conduct Punchlist Wa	
C1610	JEA R/A Punchlist and Deliver to Contractor Contractor Perform Construction Punchlist	5d	0d	26-Dec-25	02-Jan-26	-58d -88d	-58d	-									JEA R/A Punchlist an	
C1030		30d	0d	03-Jan-26	01-Feb-26	-880	-88d										📥 📮 Contractor Perform	Constru
Contract Closeout																		
As Builts																		
C1070	Contractor P/S Final As-Built Drawings	10d	0d	23-Dec-25	08-Jan-26	-58d	-58d			1111111				- - - - -			■ Q Contractor P/S Final.	
C1090	JEA R/A Final As-Built Drawings and Delivery to T5	10d	0d	09-Jan-26	22-Jan-26	-58d	-58d										, e: □ JEA.R/A Final As-Bu	ilt Drawir
Final Invoice																		
C1080	Contractor P/S Final Invoice	30d	0d	23-Dec-25	05-Feb-26	-58d	-58d										📛 🦰 Contractor P/S Fina	Il Invoice
C1100	JEAR/A Final Pay Request	5d	0d	06-Feb-26	12-Feb-26	-58d	-58d											Reques
Vendor Performan	ce																	
VP30	PM P/S Final Vendor Performance on Const. Contractor	5d	0d	13-Feb-26	19-Feb-26	-58d	-58d				1 1 1 1 1						■ 10 PM P/S Final Venc	
VP40	PM P/S Final Vendor Performance on Designer	5d	0d	13-Feb-26	19-Feb-26	-58d	-58d										PM P/S Final Venc	or Perfc
Project Closeout																		
C1560	PM Perform Closeout: SOA, EAM, PO Closures, Remove Site Access	20d	0d	13-Feb-26	12-Mar-26	-58d	-58d										. ⇔ . ■ PM Perfarm Clos	eout: S0
C1565	PM Conduct Closeout/Lessons Learned Meeting	1d	0d	13-Mar-26	13-Mar-26	-58d	-58d										PM Conduct Clo	
C1580	PC Perform Closeout: OPN and WO Closures	60d	0d	13-Mar-26	04-Jun-26	-58d	-58d	1:::					- 1 - 1 - 1 - 1 - 1		} -		₩ PC Perfom	
=		,				-												
Remaining Le		naining Work	(Pag	e 3 of	3					7	ASK filters:	Do Not S	: Show LOE, Do Not Show WBS Summaries.	