MINUTES OF THE MEETING OF THE BOARD OF DIRECTORS OF TRINITY RIVER VISION AUTHORITY ("TRVA") HELD ON THE 8th DAY OF JANUARY, 2020 AT 2:00 PM

The call of the roll disclosed the presence of the Directors as follows:

Present G.K. Maenius David Cooke Jim Oliver Bob Riley Carlos Flores James Hill

Also in attendance were: Sandy Newby, Victoria Bailey, Debra Witherspoon and Marty Leonard of the Tarrant Regional Water District ("TRWD"); Mark Mazzanti of TRVA; Doug Rademaker of the City of Fort Worth ("COFW"); Lee Christie and Ethel Steele of Pope, Hardwicke, Christie, Schell, Kelly & Taplett, L.L.P.; Meagan South of Tarrant County; Carl DeZee of Kimley-Horn; Luke Ranker of the Fort Worth Star-Telegram; Marice Richter of the Fort Worth Business Press; John Schults of Trinity River Communications-Joint Venture; and Robert Montoya of Empower Texans.

I. Call to Order

President Maenius convened the meeting at 2:03 P.M. with the assurance that a quorum was present and all requirements of the Texas Open Meetings Act had been met.

II. Public Comment

No public comment.

III. Action Items

A1.

On a motion made by Director Riley and seconded by Director Oliver, the Directors voted to approve the minutes of the meeting held on December 4, 2019.

With the recommendation of Sandy Newby (TRWD, Chief Financial Officer), Director Oliver made a motion to receive and file the TRV Central City Finance Report of September 30, 2019. The motion was seconded by Director Cooke and the vote in favor was unanimous. The TRV Central City Finance Report is attached hereto as Exhibit "A".

A3.

With the recommendation of Ms. Newby, Director Oliver made a motion to receive and file the TRV Central City Finance Report of November 30, 2019. The motion was seconded by Director Cooke and the vote in favor was unanimous. The TRV Central City Finance Report is attached hereto as <u>Exhibit "B"</u>. Ms. Newby also advised the Board that \$1 million in commercial paper will be sold to fund the Trinity River Vision Project for the next 90 days.

A4.

With the recommendation of Mark Mazzanti, (TRVA, Flood Control Project Program Coordinator), Director Cooke made a motion to receive and file the TRV Risk Management Report. The motion was seconded by Director Flores and the vote in favor was unanimous. The TRV Risk Management report is attached hereto as <u>Exhibit "C".</u>

IV. Discussion Items

D1.

Bridge Construction Update

On behalf of the City of Fort Worth (COFW), Doug Rademaker, P.E. (COFW, TRV Bridges Project Manager) reported that piers are complete and construction is being done on the portions of the spans that will support the road decks for all three bridges, with the White Settlement Road bridge the furthest along. Mr. Rademaker showed the Board photographs of the White Settlement Road bridge V-pier bents and construction progress. He also explained to the Board the process of installing the I-beams on the White Settlement Road bridge. Next, he showed the Board photographs of the Henderson Street bridge superstructure false work, with the work for this bridge progressing from each end to meet in the middle. Finally, Mr. Rademaker informed the Board that both lower areas have been poured across the length of the North Main Street bridge and the contractor is installing the box girder web forms. Last, he advised the Board that the contractor has moved to a seven-day work week schedule.

The Texas Department of Transportation bridge update will be rescheduled for a later date.

D2.

The next TRVA Board of Directors meeting was tentatively scheduled for February 5, 2020 pending confirmation of a quorum.

V. Adjourn

There being no further business before the Board of Directors, the meeting was adjourned at 2:47 P.M.

President

Secretary

			Actuals Thru	
	,	2017 Estimate	9/30/2019	Variance
CAL				
Q	Preliminary Design	\$18,225,972	\$18,225,972	\$(
TRWD	Land Acquisition	\$72,552,625	\$73,889,122	(\$1,336,49
F	Flood Control Cash Match	\$50,900,362	\$31,647,074	\$19,253,28
A A	Relo, Demo, Enviro	\$113,692,580	\$93,781,415	\$19,911,16
TRVA	TRVA Program Coordination	\$27,197,476	\$18,953,087	\$8,244,38
	Sewer & Water Relocation	\$71,680,516	\$18,052,754	\$53,627,76
FW	Storm Water Relocation	\$23,549,203	\$4,655,767	\$18,893,43
OF	Franchise Utilities	\$20,169,474	\$10,232,880	\$9,936,59
CITY	Local Street Mods	\$5,521,441	\$3,348,791	\$2,172,65
ū	CFW Program Management	\$6,635,424	\$1,413,184	\$5,222,24
ocal Subtotal				
ocal S		\$410,125,073	\$274,200,046	\$135,925,02
		\$410,125,073	\$274,200,046	\$135,925,02
	Subtotal	\$410,125,073 \$4,487,035	\$274,200,046 \$4,485,535	\$135,925,02 \$1,50
DERAL	Subtotal			\$1,50
DERAL	Land (Offsets Local Above)	\$4,487,035	\$4,485,535	\$1,50
	J STATE MATCH Land (Offsets Local Above) Preliminary Design	\$4,487,035 \$7,372,888	\$4,485,535 \$7,372,888	\$1,50 \$ \$69,889,21
	J STATE MATCH Land (Offsets Local Above) Preliminary Design Valley Storage	\$4,487,035 \$7,372,888 \$124,231,564	\$4,485,535 \$7,372,888 \$54,342,347	\$1,50 \$ \$69,889,21 \$38,551,75
	Subtotal / STATE MATCH Land (Offsets Local Above) Preliminary Design Valley Storage Ecosystem Restoration	\$4,487,035 \$7,372,888 \$124,231,564 \$38,551,750	\$4,485,535 \$7,372,888 \$54,342,347 \$0	\$1,50 \$ \$69,889,21 \$38,551,75 \$63,855,38
DERAL	Jubtotal Jubtotal Land (Offsets Local Above) Preliminary Design Valley Storage Ecosystem Restoration North Bypass Channel	\$4,487,035 \$7,372,888 \$124,231,564 \$38,551,750 \$74,290,882	\$4,485,535 \$7,372,888 \$54,342,347 \$0 \$10,435,499	\$1,50 \$ \$69,889,21 \$38,551,75 \$63,855,38 \$95,034,38
	Jubtotal Jand (Offsets Local Above) Preliminary Design Valley Storage Ecosystem Restoration North Bypass Channel South Bypass Channel	\$4,487,035 \$7,372,888 \$124,231,564 \$38,551,750 \$74,290,882 \$104,401,759	\$4,485,535 \$7,372,888 \$54,342,347 \$0 \$10,435,499 \$9,367,370	\$1,50 \$ \$69,889,21 \$38,551,75 \$63,855,38 \$95,034,38 \$98,722,89 \$85,528,94
	Jubtotal Jubtotal Land (Offsets Local Above) Preliminary Design Valley Storage Ecosystem Restoration North Bypass Channel South Bypass Channel Flood Gates & Pump System	\$4,487,035 \$7,372,888 \$124,231,564 \$38,551,750 \$74,290,882 \$104,401,759 \$99,385,763	\$4,485,535 \$7,372,888 \$54,342,347 \$0 \$10,435,499 \$9,367,370 \$662,870	
	Jubtotal Jubtotal Land (Offsets Local Above) Preliminary Design Valley Storage Ecosystem Restoration North Bypass Channel South Bypass Channel Flood Gates & Pump System Dams & Channel Expansion	\$4,487,035 \$7,372,888 \$124,231,564 \$38,551,750 \$74,290,882 \$104,401,759 \$99,385,763 \$85,528,943	\$4,485,535 \$7,372,888 \$54,342,347 \$0 \$10,435,499 \$9,367,370 \$662,870 \$0	\$1,50 \$ \$69,889,21 \$38,551,75 \$63,855,38 \$95,034,38 \$98,722,89 \$85,528,94 \$47,216,78
LOCAL USACE EDI	Jubtotal Jubtotal Land (Offsets Local Above) Preliminary Design Valley Storage Ecosystem Restoration North Bypass Channel South Bypass Channel Flood Gates & Pump System Dams & Channel Expansion USACE Prog Mgmt/Contingency	\$4,487,035 \$7,372,888 \$124,231,564 \$38,551,750 \$74,290,882 \$104,401,759 \$99,385,763 \$85,528,943 \$48,356,327	\$4,485,535 \$7,372,888 \$54,342,347 \$0 \$10,435,499 \$9,367,370 \$662,870 \$0 \$1,139,538	\$1,50 \$ \$69,889,21 \$38,551,75 \$63,855,38 \$95,034,38 \$98,722,89 \$85,528,94

USACE - CENTRAL CITY FLOOD CONTROL PROJECT

			Actuals Thru	4
		2017 Estimate	9/30/2019	Variance
LOCAL				
TRWD	Land Acquisition	\$26,481,892	\$11,973,077	\$14,508,815
OF FW	Bridge Costs Local Share	\$33,973,387	\$33,733,372	\$240,015 \$0
CITY	CFW Project Management	\$0	\$350,337	(\$350,337)
Local S	Subtotal	\$60,455,279	\$46,056,786	\$14,398,493
FEDERAL	. / STATE MATCH			
ŢĒ	Henderson Street	\$17,598,353	\$7,429,157	\$10,169,196
TXDOT/STATE	White Settlement	\$17,792,487	\$6,651,266	\$11,141,221
TXDO	Main	\$11,414,779	\$4,356,497	\$7,058,282
	Contingency - Federal	\$2,801,685	\$0	\$2,801,685
Federa	al/State Subtotal	\$49,607,304	\$18,436,920	\$31,170,384
Total	TXDOT Bridges Project	\$110,062,583	\$64,493,706	\$45,568,877

TXDOT - BRIDGES PROJECT

				Actuals Thru	
			2017 Estimate	9/30/2019	Variance
LOC	AL				
	TRWD	Marine Creek/Stockyards Connection	\$10,245,376	\$0	\$10,245,376
	TRV	Bypass Local Share (hardscape & softscape)	\$21,834,669	\$3,507,109	\$18,327,560
	TRVA	TRVA Program Coordination	\$3,100,000	\$0	\$3,100,000
	ΡM	Panther Island Sewer and Water	\$15,827,650	\$0	\$15,827,650
	Y OF	Panther Island Storm Drainage	\$13,631,000	\$0	\$13,631,000
	CITY	Gateway Park	\$6,668,614	\$0	\$6,668,614
T	ΟΤΑΙ	LOCAL PROJECTS	\$71,307,309	\$3,507,109	\$67,800,200

LOCAL PROJECTS (with or without flood project)

AL CONTINGENCY	Salar Alaka Salah Salah	
2017 Estimate	Actuals Thru 9/30/2019	Variance
	\$466,222	(\$466,222)
	\$550,971	(\$550,971)
\$36,408,910	\$1,017,193	\$35,391,717
		2017 Estimate 9/30/2019 \$466,222 \$550,971

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			A stored a Tlaure	
		2017 Estimate	Actuals Thru 11/30/2019	Variance
DCAL				
	Preliminary Design	\$18,225,972	\$18,225,972	\$0
TRWD	Land Acquisition	\$72,552,625	\$80,010,122	(\$7,457,497)
F	Flood Control Cash Match	\$50,900,362	\$31,647,074	\$19,253,288
٩,	Relo, Demo, Enviro	\$113,692,580	\$93,783,120	\$19,909,460
TRVA	TRVA Program Coordination	\$27,197,476	\$18,968,749	\$8,228,727
C 2012 2 2 2 7 2 2 2 2 2 2	Sewer & Water Relocation	\$71,680,516	\$18,142,515	\$53,538,001
FW	Storm Water Relocation	\$23,549,203	\$4,680,032	\$18,869,171
OF	Franchise Utilities	\$20,169,474	\$10,232,880	\$9,936,594
CITY	Local Street Mods	\$5,521,441	\$3,354,791	\$2,166,650
Ū	CFW Program Management	\$6,635,424	\$1,418,513	\$5,216,911
Local S	ubtotal	\$410,125,073	\$280,463,768	\$129,661,305
DERAL	/ STATE MATCH			
EDI HUD	Land (Offsets Local Above)	\$4,487,035	\$4,485,535	\$1,500
	Preliminary Design	\$7,372,888	\$7,372,888	\$0
				ΨŲ
	Valley Storage	\$124,231,564	\$55,682,504	
	Valley Storage Ecosystem Restoration	\$124,231,564 \$38,551,750		\$68,549,060
ICE			\$55,682,504	\$68,549,060 \$38,551,750
JSACE	Ecosystem Restoration	\$38,551,750	\$55,682,504 \$0	\$68,549,060 \$38,551,750 \$63,825,174
USACE	Ecosystem Restoration North Bypass Channel	\$38,551,750 \$74,290,882	\$55,682,504 \$0 \$10,465,708	\$68,549,060 \$38,551,750 \$63,825,174 \$95,034,389
USACE	Ecosystem Restoration North Bypass Channel South Bypass Channel	\$38,551,750 \$74,290,882 \$104,401,759	\$55,682,504 \$0 \$10,465,708 \$9,367,370	\$68,549,060 \$38,551,750 \$63,825,174 \$95,034,389 \$98,722,893
USACE	Ecosystem Restoration North Bypass Channel South Bypass Channel Flood Gates & Pump System	\$38,551,750 \$74,290,882 \$104,401,759 \$99,385,763	\$55,682,504 \$0 \$10,465,708 \$9,367,370 \$662,870	\$68,549,060 \$38,551,750 \$63,825,174 \$95,034,389 \$98,722,893 \$85,528,943
OCAL	Ecosystem Restoration North Bypass Channel South Bypass Channel Flood Gates & Pump System Dams & Channel Expansion	\$38,551,750 \$74,290,882 \$104,401,759 \$99,385,763 \$85,528,943	\$55,682,504 \$0 \$10,465,708 \$9,367,370 \$662,870 \$0	\$68,549,060 \$38,551,750 \$63,825,174 \$95,034,389 \$98,722,893 \$85,528,943 \$47,216,789 (\$14,253,289
LOCAL	Ecosystem Restoration North Bypass Channel South Bypass Channel Flood Gates & Pump System Dams & Channel Expansion USACE Prog Mgmt/Contingency	\$38,551,750 \$74,290,882 \$104,401,759 \$99,385,763 \$85,528,943 \$48,356,327	\$55,682,504 \$0 \$10,465,708 \$9,367,370 \$662,870 \$0 \$1,139,538	\$68,549,060 \$38,551,750 \$63,825,174 \$95,034,389 \$98,722,893 \$85,528,943 \$47,216,789

USACE - CENTRAL CITY FLOOD CONTROL PROJECT

			Actuals Thru	
		2017 Estimate	11/30/2019	Variance
LOCAL				
TRWD	Land Acquisition	\$26,481,892	\$11,973,077	\$14,508,815
OF FŴ	Bridge Costs Local Share	\$33,973,387	\$33,733,372	\$240,015 \$0
CITY	CFW Project Management	\$0	\$351,970	(\$351,970
Local	Subtotal	\$60,455,279	\$46,058,419	\$14,396,860
FEDERA	L / STATE MATCH			
Щ	Henderson Street	\$17,598,353	\$7,992,434	\$9,605,919
rxdot/state	White Settlement	\$17,792,487	\$7,239,876	\$10,552,611
TXDO	Main	\$11,414,779	\$4,694,760	\$6,720,019
	Contingency - Federal	\$2,801,685	\$0	\$2,801,685
Feder	al/State Subtotal	\$49,607,304	\$19,927,070	\$29,680,234
Total	TXDOT Bridges Project	\$110,062,583	\$65,985,489	\$44,077,094

TXDOT - BRIDGES PROJECT

		2017 Estimate	Actuals Thru 11/30/2019	Variance
LOCAL	-			
TRWD	Marine Creek/Stockyards Connection	\$10,245,376	\$0	\$10,245,376
TRV	Bypass Local Share (hardscape & softscape)	\$21,834,669	\$3,507,109	\$18,327,560
TRVA	TRVA Program Coordination	\$3,100,000	\$46,851	\$3,053,149
EVA		\$15,827,650	\$0	\$15,827,650
		\$13,631,000	\$0	\$13,631,000
Ę	Gateway Park	\$6,668,614	\$0	\$6,668,614
тот	TAL LOCAL PROJECTS	\$71,307,309	\$3,553,960	\$67,753,349

LOCAL PROJECTS (with or without flood project)

LC	LOCAL CONTINGENCY			
	2017 Estimate	Actuals Thru 11/30/2019	Variance	
LOCAL				
TRVA Programmatic Review		\$466,222	(\$466,222)	
Bond Issuance Costs		\$667,626	(\$667,626)	
Total Contingency	\$36,408,910	\$1,133,848	\$35,275,062	

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EXHIBIT "C"

		Вура		ty Program Master Sche - Critical and Near Criti						
celuty Activity Name	San	Frish	Impacts USACE (Marths)	FY2020 FY20	21 FY2022 G3 FQ4 FQ1 FQ2 FQ3 FQ4 FQ1	FY2023 F	2024 FY2025	FY2026	FY2027	FY2028 F2
Total	25-Aug-14A	26-Dec-24	(10.01)	FQ1 FQ2 FQ3 FQ4 FQ1 FQ2	03 F04 F01 F02 F03 F04 F01	F02 F03 F04 F01 F0	2 1403 1404 1401 1402 1403	rd4 rd1 rd2 rd3 rd4 rd	razirasirasirasiras	rusrusrus
Main Street Bridge	25-Aug-14A	30Mar-21			S					
Bridge	25-Aug-14 A	304Mar-21								
Main Street Bridge	25-Aug-14A	304Mar-21	2.5 months							
Bypass Channel North - Segments A & B	01-Nov-19	26-Dec-24								
Utilities	01-Nov-19	03-Apr-23								
Sanitary Sewer Water Systems	01-1\$25-19	11-Feb-22		Bidding	As-builts					
Bypass Channel A - Part 10	01-Nov-19 01-Nov-19	11-Feb-22 03-Ap e23	2 weeks	(B)dding	As-builts					
Storm Drainage System Bypass Channel A - Grand Avenue Part 3	01-Nov-19	11-Feb-22	2 weeks	Busing						
Bypass Channel A - Grand Avenue Part 2	274May-20	14-Apr-22	2 weeks							
Main Street Outfall	02-Dec-19	03-Apr-23	3.5 months			-				
Floodway Design & Construction	23-Jul-20	26-Dec-24	0 days							
Bypass Channel Local Share Hardscape & Softscape	024Mar-20	26-De24	0 daya							
SUMMARY (JANUARY 2020): 1) CRITICAL: Pedestrian Bridge design needs 60% submittal will be delayed and will impact th design. RECOMMENDED ACTION: TRWD staff plan	e start of By	bass Chan	nel North	×.						
RECOMMENDED ACTION. THE Stan plan	o to oublint ti		contract to							
the TRWD Board for approval in February for a on schedule.	March desig	n start, in o	contract to order to stay				X			
	received fror Part 2 have b advertise th	n start, in o n CoFW, S ecome ne	order to stay Sanitary ar critical.				,			
on schedule. 2) NEAR CRITICAL: Based on status updates Sewer Part 10 and Storm Drainage Part 3 and F RECOMMENDED ACTION: City staff plans to	received fror Part 2 have b advertise th hedule. itary Sewer F rporation of a h.	n start, in o n CoFW, S ecome ne ese projec Part 10 and as-builts in	order to stay Sanitary ar critical. cts in t Storm to the final			Bypass from Pro	Channel North. T	itical and near criti his schedule cont ough the end of D	tains the best	information
on schedule. 2) NEAR CRITICAL: Based on status updates Sewer Part 10 and Storm Drainage Part 3 and F RECOMMENDED ACTION: City staff plans to January for award in May, in order to stay on so 3) NEAR CRITICAL: Any delays in CoFW, San Drainage Part 3 and Part 2 may impact the inco design of USACE Bypass Channel North design RECOMMENDED ACTION: City staff plans to	received fror Part 2 have b advertise th hedule. itary Sewer F rporation of a h.	n start, in o n CoFW, S ecome ne ese projec Part 10 and as-builts in	order to stay Sanitary ar critical. cts in d Storm to the final cts in	mary Level Schedule - 1	yWBS	Bypass from Pro	Channel North. T ject Partners thr o change.	his schedule cont	tains the best	information

			Ce	entral Ci	ty Risk H	legister as	of 1/8/2020	J TOP IN	orth B	sypass c	nannei			
1			Financial Impac	cts of Occurrence			Legend			So	hedule Impacts	of Occurrence		
		Negligible	Marginal	Significant	Critical	Crisis				Negligible	Marginal	Significant	Critical	Crisis
		Less Than \$2,500,000	\$2,500,000 to \$9,500,000	\$9,500,000 to \$14,000,000	\$14,000,000 to \$23,500,000	More Than \$23,500,000	Low			Less Than 4 months	4 months to 6 months	6 months to 12 months	12 months to 24 months	More Tha 24 month
	Certain	Moderate	Moderate	High	High	High		Moderate bo Certain Very Ukely Victor		Moderate	Moderate	High	High	High
	Very Likely	Low	Moderate	High	High	High	Moderate			Low	Moderate	High	High	High
Ē	Likely	Low	Moderate	High	High	High	High		Low	Moderate	High	High	High	
8	Unlikely	Low	Low	Moderate	Moderate	High		19 19	Unlikely	Low	Low	Moderate	Moderate	High
8	Very Unlikely		Low	Low	Low	Moderate		S Ve	ry Unlikely	Low	Low	Low	Low	Moderat

Central City Risk Register modeled after USACE's Cost Engineering Center of Expertise Cost and Schedule Risk Analysis template.

Ide	ntify				Assess		Strategize & Manage	
			Project N	1anagers			Project Managers & Board	
			Inherent R	isk Impacts	Jurisdictional Agency COFW;		Risk Management Strategles	Status
Project	Risk Description	Inherent Risk Likelihood of Occurrence	inancial	Schedule	USACE; TXDOT; TRWD	Response Timing (If, Then)	Acceptance; Avoidance; Mitigation; Transference	Active; On Hola Closed
Jtilities in North	Due to local funding limitations, contracting for Utility construction in the North Bypass Channel has been delayed 3 years which impacts the ability to move forward on design and construction of the North Bypass Channel	Certain	Marginal	Critical	FORT WORTH	Franchise do not complete construction and as-	construction if we cannot overcome schedule impacts. USACE has not agreed to this at this time.	Active
	Funding mechanisms for local funds are not put in place for FY20.	Board Input Requested		Board Input Requested	TRWD	If local funding mechanisms are not put in place for FY20 then the predecessor projects fall further behind putting the receipt of Federal funds further at risk.	Avoidance: Funding mechanisms have been identified but not fully implemented by local partners in order to fund the FY20 projects so the USACE remains eligible for Federal funding.	Active

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Central City Risk Register-North Bypass Channel

			Inhoront P	isk Impacts	Jurisdictional Agency		Risk Management Strategies	Status
Project	Risk Description	Inherent Risk Likelihood of Occurrence	Financial	Schedule	COFW; USACE; TXDOT; TRWD	Response Timing (Jf, Then)	Acceptance; Avoidance; Mitigation; Transference	Active; On Hold; Closed
the second se	The USACE does not receive requested capability for Bypass Channel Design in FY20. (\$5M-\$10M)	Unlikely	Negligible	Significant		If USACE does not receive approximately \$5 to \$10 Million by July of 2020, then the 6 month procurement of the Bypass Channel design will be delayed. Design of Bypass Channel North is currently on the critical path and must begin by January of 2021.	Mitigation: Continue to stay ahead of USACE with Bypass Channel relocations so USACE is shovel ready. Making the project more competitive and likely to receive Federal funds.	Active
Bypass Channel Local Share Hardscape & Softscape Design	Failure to execute contract by March of 2020 will delay start of Bypass Channel Design.	Unlikely	Negligible	Significant	trwd		Avoidance: Go to Board for contract approval by March of 2020	Active
Federal Funding	The USACE does not receive the entire (\$38M) Federal funding request for FY20 which was for design of: Bypass North & South; Rockwood & University; 3 Gates; Storm Water Pump Station; Ecosystem & Adaptive Mitigation	Likely	Negligible	Negligible	USACE	similar size requests for funds to have designs completed and construction shovel ready. All	Mitigation: If USACE does not receive all funds requested they can petition HQ for additional funds when available due to lack of other Districts not obligating funds.	Active

Central City Risk Register-North Bypass Channel

	Bypass Ch	Central City Program M annel South - Critical and		s Only						
Activity Kame	Start Finish	Ploat Bypass Channel South 04 FQ1 F	FY2020 FY2021 02 FQ3 FQ4 FQ1 FQ2 FQ3 FG	FY2022	FY2023 F01 F02 F03 F04 F0	FY2024	Fr2025 FQ1 FQ2 FQ3 FQ4	FY2025	FY2027 FQ1 FQ2 FQ3 FQ4	FY2028 FQ1 FQ2 FQ3 FQ4 P
	Aug-14 A 24-Jul-28									
	Aug-14 A 30-: uH21					e				
	Aug-14A 30-Jul-21									
	Aug-14A 30-Jul-21	0 days]						
Bypass Channel South - Segments C & D	-Doc-19 24-Jul-28			\bigcirc						
Land, Relocation, Demolition and Environmental Remediation	Jan-20 10-Feb-21									
Bypass Channel C	-lan-26 10-Feb-21			1						
Denondriana Environmental Remediation - Fonde and File	-Jan-20 10-Feb-21 -Dec-19 18-Oct-23	2 weeks behind	- 611						11. total (10. total)	10 mil 10 mil
Utilities	Feb-20 18-0cH-25		Bilding		As-builts					
dainary dewer mater dystems	Feb-20 18-Oct-23	2 weeks behind								
Bypass Channel D - Part 13 01	-Apr-20 28-Sep-23	0 days								
	Acr-20 21-Mo-23 Apr-20 31-Mar-23	6 months				3				
	4)er-19 14-Apr-23					O			1.1. EXCLUSION (11)	
Bypass Chaimer B	-Dec-19 14-Apr-23	5.5 months								
Direct	-Dec-19 28-Apr-23 -Dec-19 28-Apr-23	5 months								
Check - Lypass Channel C	Feb-22 24-Jul-28	2 weeks behind								
 SUMMARY (JANUARY 2020): 1) CRITICAL: If TXDOT Henderson Street Bridge is not re-r 2021, then construction of CoFW Sanitary Sewer Part 14, O USACE South Bypass Channel will be delayed. RECOMMENDED ACTION: TxDOT is working with Texa from detour by summer of 2021. 2) CRITICAL: Due to delay in funding and revised duration of Environmental of Police and Fire, completion of this project I impact the start of CoFW Sanitary Sewer Part 14 project. RECOMMENDED ACTION: TRWD staff plans to submit th to the TRWD Board for approval in January, in order to stay 	ncor Segment (s Sterling to ren for TRWD Demo has become crit he environment	C, and nove traffic plition and ical and will								
3) NEAR CRITICAL: As builts for the following projects are needed to complete USACE design: Sanitary Sewer Part 13 Greenleaf, and Franchise AT&T Segment D and Oncor Seg RECOMMENDED ACTION: City staff plans to progress th with the required schedule.	near critical and , Storm Drainag ment C.	je		e.	Bypass Ch from Project subject to c	annel Sou ct Partners	th. This sch through th	nedule conta	al componen ins the best i cember 2019	information and is
Construction-Critical 1 Summary Note		TRVA: Summary Level So Page 1 o			Date 08-Jan-20 J.	lanuary Board M	Revision leating		Checked	Approved

S. P. Barr	Financial Impa	icts of Occurrence			Legend		Schedule Impacts of Occurrence		
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Project	Risk Description	Inherent Risk Likelihood of Occurrence	Inherent Ri	sk Impacts enpeque	COFW; USACE; TXDOT;	sponse Timing (lf, Then)	Acceptance; Avaidanc Transferer	ce; Mitigation; nce	Stat Acti On H Clos

Central City Risk Register - South Bypass Channel

					Jurisdictional			
			Inherent R	isk Impacts	Agency		Risk Management Strategies	Status
Project	Risk Description	Inherent Risk Likelihood of Occurrence	Financial	Schedule	COFW; USACE; TXDOT; TRWD	Response Timing (If, Then)	Acceptance; Avoidance; Mitigation; Transference	Active; On Hold; Closed
Water/ Sewer Part 14	Easement acquisition may require condemnation which may impact the schedule and may be costly. Work will be installed between USACE hardwall piers with narrow room for error. This project is also in the Henderson St Detour footprint and can only start 2 months prior to the detour removal.	Very Likely	Marginal	Critical	FORT WORTH	Design of Part 14 is scheduled to start In February of 2020 to maintain the critical path. Removal of Henderson St. Detour is required before Part 14 work construction can begin. If easement is not acquired by November of 2020, then it delays the start of Part 14 construction if Part 14 does not complete construction and as-built documents by September of 2023, then it will delay design and construction of the South Bypass Channel.	fronted by locals.	Active
Bypass Channel	Due to local funding limitations, contracting for Utility construction in the South Bypass Channel has been delayed 3 years which impacts the ability to move forward on design and construction of the South Bypass Channel	Likely	Negligible	Significant		If Part 13 and AT&T Segment D design does not begin by April of 2020, then they will become critical and will delay the design of the South Channel.	Mitigation: We may need USACE to allow for ongoing utility construction during Channel construction if we cannot overcome schedule impacts. USACE has not agreed to this at this time.	Active
C Crossing	Crossing design has not begun and work impacts completion of South Bypass Channel Design. This project is also in the Henderson St Detour footprint.	Unlikely	Negligible	Significant			Avoidance: The COFW to get a commitment from Oncor to stay on current schedule.	Active
Demolition and Environmental	Remaining Demolition and Environmental work is on hold waiting for local funding. All properties must be demolished and environmentally clean for USACE to start.	Very Unlikely	Negligible	Negligible		before utility work can begin in the South	Mitigation: Continue to stay ahead of USACE with Bypass Channel relocations so USACE is shovel ready. Making the project more competitive and likely to receive federal funds.	Active

Central City Risk Register - South Bypass Channel

					Jurisdictional			
			Inherent R	isk Impacts	Agency		Risk Management Strategies	Status
					COFW;			
		Inherent Risk	lai	릨	USACE;			Active;
		Likelihood of	JUC	edi	TXDOT;		Acceptance; Avoidance; Mitigation;	On Hold;
Project	Risk Description	Occurrence	Fine	Sch	TRWD	Response Timing (If, Then)	Transference	Closed
Bypass Channel	As-builts of Part 14 and Part	Unlikely	Negligible	Negligible	USACE	If USACE does not receive the Part 14 and Part	Mitigation: Continue to stay ahead of USACE	Active
South Design	13 impact the USACE design					13 as-builts by September of 2023, then their	with Bypass Channel relocations so USACE is	
	completion of the South					review and incorporation of the as-builts into	shovel ready. Making the project more	
	Bypass Channel.				a constant	the South Bypass Channel Design cannot be	competitive and likely to receive federal funds.	
					of Courses	completed, which will delay the start of channel		
						construction.		

Central City Risk Register - South Bypass Channel