Yahara Riverfront - Phase II

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Overview

- River Park Hydraulics
- Phasing & Timeline
- Phase II Budget

Yahara River Park Hydraulics



https://vimeo.com/454876656

Table 1. Modeled Water Surface Elevation Comparisons with winter aquatic plant growth conditions (roughness coefficients calibrated to November & April measurements)

			Water Surface Elevation (ft)								Water Surface Difference between Existing and Proposed (ft)						
			Existing Conditions			with Proposed Project			with full Dam Removal			with Proposed Project			with full Dam Removal		
River Station (ft)	LOCATION	650 cfs	380 cfs	150 cfs	650 cfs	380 cfs	150 cfs	650 cfs	380 cfs	150 cfs	650 cfs	380 cfs	150 cfs	650 cfs	380 cfs	150 cfs	
88236	Stoughton Mill Pond	841.2	841.4	841.5	840.1	839.4	838.6	837.0	836.1	835.1	-1.1	-2.0	-2.9	-4.2	-5.3	-6.4	
89646	Main St	841.3	841.4	841.5	840.3	839.6	838.6	839.0	838.2	837.1	-1.0	-1.9	-2.9	-2.4	-3.3	-4.4	
93817	Widening between RR bridge & County Rd B	842.1	841.7	841.5	841.6	840.7	839.5	841.4	840.5	839.4	-0.4	-1.0	-2.1	-0.6	-1.2	-2.2	
103439	Widening north of County Rd B	842.4	841.9	841.6	842.1	841.1	840.0	842.0	841.0	840.0	-0.3	-0.8	-1.5	-0.4	-0.9	-1.6	
117303	Immediately downstream of Lafollette Dam	843.3	842.6	841.8	843.2	842.3	841.2	843.2	842.3	841.2	-0.1	-0.3	-0.5	-0.1	-0.3	-0.5	

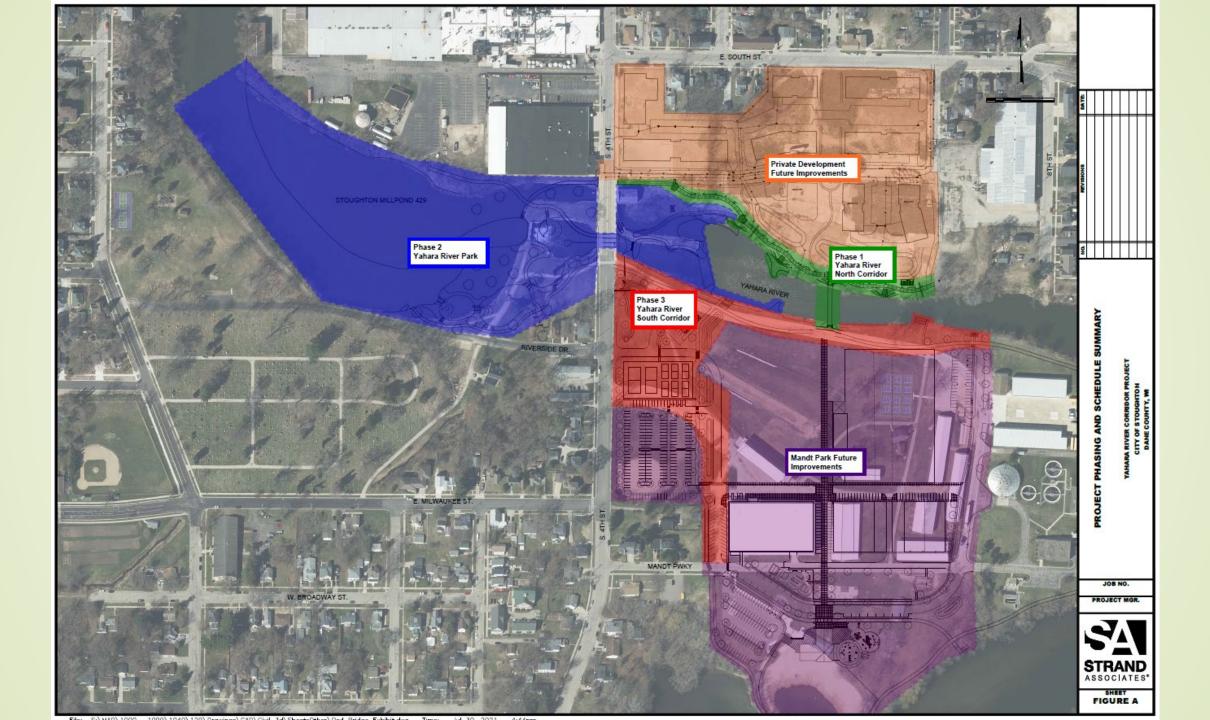
Table 2. Modeled Water Surface Elevation Comparisons with peak aquatic plant growth conditions (roughness coefficients calibrated to June measurements)

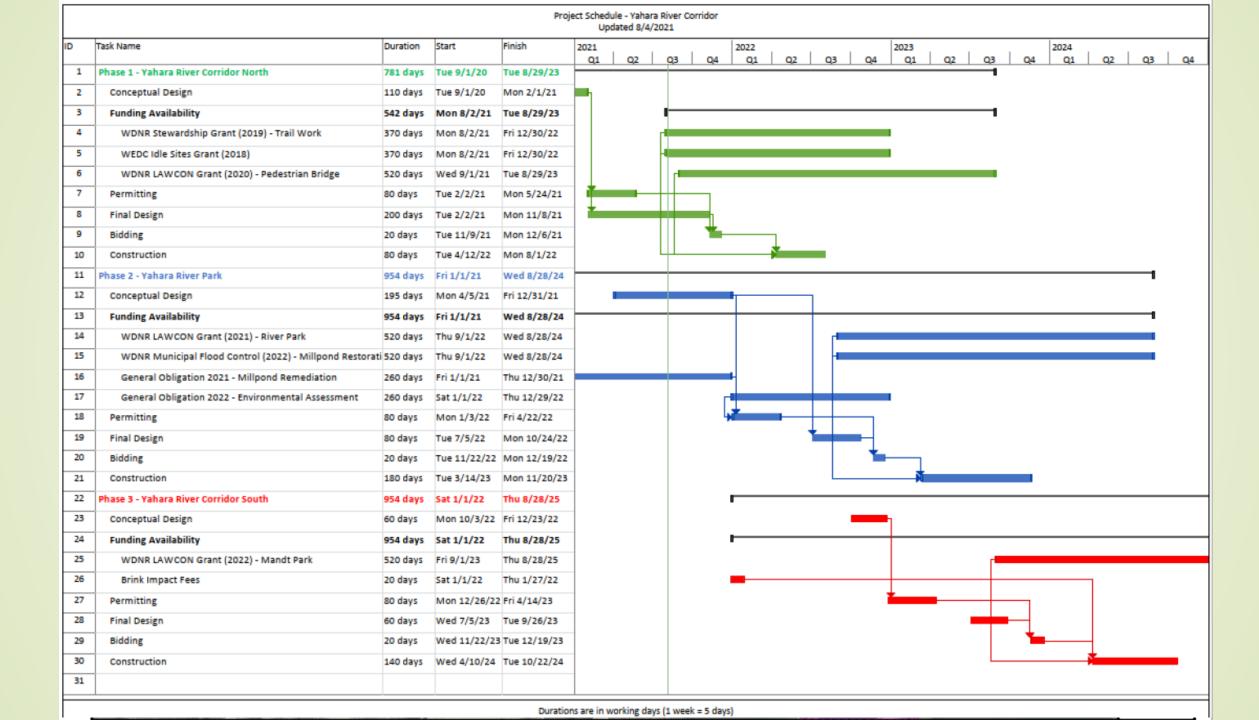
		Water Surface Elevation (ft)								Water Surface Difference between Existing and Proposed (ft)							
			Existing Conditions			with Proposed Project			with full Dam Removal			with Proposed Project			with full Dam Removal		
River Station (ft)	LOCATION	650 cfs	380 cfs	150 cfs	650 cfs	380 cfs	150 cfs	650 cfs	380 cfs	150 cfs	650 cfs	380 cfs	150 cfs	650 cfs	380 cfs	150 cfs	
88236	Stoughton Mill Pond	841.2	841.4	841.5	840.1	839.4	838.6	837.0	836.1	835.1	-1.1	-2.0	-2.9	-4.2	-5.3	-6.4	
89646	Main St	841.3	841.4	841.5	840.3	839.6	838.6	839.0	838.2	837.1	-1.0	-1.9	-2.9	-2.3	-3.3	-4.4	
93817	Widening between RR bridge & County Rd B	843.1	842.3	841.7	843.0	841.8	840.3	842.9	841.7	840.2	-0.2	-0.5	-1.4	-0.3	-0.6	-1.4	
103439	Widening north of County Rd B	845.2	843.8	842.3	845.1	843.7	841.7	845.1	843.7	841.7	0.0	-0.1	-0.6	-0.1	-0.2	-0.6	
117303	Immediately downstream of Lafollette Dam	846.3	845.1	843.5	846.3	845.1	843.4	846.3	845.1	843.4	0.0	0.0	-0.1	0.0	0.0	-0.1	

Questions?

Phasing & Timeline

- Yahara River Corridor Phases
 - Phase I RDA Riverfront
 - Phase II River Park Area
 - Phase III Mandt Park Riverfront





Phase II Budget

Riverfront Developm	ent - Phas	e II Budget			
Restoration & Remediation	1			Grant Programs	
Engineering	Ş	100,000	2021	2021 DNR Recreational Grant Program	\$ 1,720,497
Construction	\$	350,000	2023	2022 DNR Municipal Flood Control Grant	\$ 225,000
Total	\$	450,000		Total	\$ 1,945,497
				Itemized Costs	
Dam Removal				Restoration & Remediation	
Engineering	\$	26,648	2020	Total Cost	\$ 450,000
Total	\$	26,648		2022 Municipal Flood Control Grant	\$ 225,000
				City Responsibility Less Grant Funding	\$ 225,000
Yahara River Park					
Engineering	\$	20,047	2019	Dam Removal	
Engineering	\$	66,283	2020	Total Cost	\$ 26,648
/ Engineering	\$	92,931	2021	2020 Municipal Dam Program Grant	\$ -
Engineering	\$	84,483	2022	City Responsibility Less Grant Funding	\$ 26,648
Construction	\$	60,500	2022 RDA Area Current Deflector		
Environmental Assessment	\$	75,000	2022	Yahara River Park	
Construction	\$	1,605,949	2023	Total Cost	\$ 2,005,193
Total	\$	2,005,193		2021 DNR Recreational Grant Program	\$ 833,224
				City Responsibility Less Grant Funding	\$ 1,171,969
Trails, Underpass, Plazas					
Engineering	\$	58,936	2020	Trails, Underpass, Plazas	
Engineering	\$	89,976	2021	Total Cost	\$ 1,977,038
Engineering	\$	53,579	2022	2021 DNR Recreational Grant Program	\$ 887,273
Construction	Ş	1,774,546	2023	City Responsibility Less Grant Funding	\$ 1,089,765
Total	\$	1,977,038			
				Total City Responsibility	
				Restoration & Remediation	\$225,000
RDA Development Park Im				Dam Removal	\$26,648
Multi Family Units			rail Impact Fees/Unit Total	Yahara River Park	\$1,171,969
	74 \$	2,597 \$	62 \$ 196,766	Trails, Underpass, Plazas	\$1,089,765
				Total without Impact Fees	\$2,513,382
				Less RDA Developer Impact Fees	\$196,766
				Total with Impact Fees	 \$2,316,616
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Budget Highlights – Grants

- 2020 WDNR Municipal Dam Program Grant
 - Priority funding list
 - River Park design not considered a dam removal
- 2021 WDNR Recreational Grant Program
 - Notified in fall
 - Environmental Assessment NEPA
 - Dam reconstruction included
- 2022 WDNR Municipal Flood Control
 - River and millpond restoration

Budget Highlights – Cost

- River Park
 - \$2,005,193 total cost
 - \$1,171,969 cost to City with 2021 WDNR Recreational Grant
- Trails, Underpass, and Pedestrian Plazas
 - \$1,977,038 total cost
 - \$1,089,765 cost to City with 2021 WDNR Recreational Grant
- Millpond Restoration & Remediation
 - \$450,000 total cost
 - \$225,000 cost to City with 2022 WDNR Municipal Flood Control Grant

Questions?