

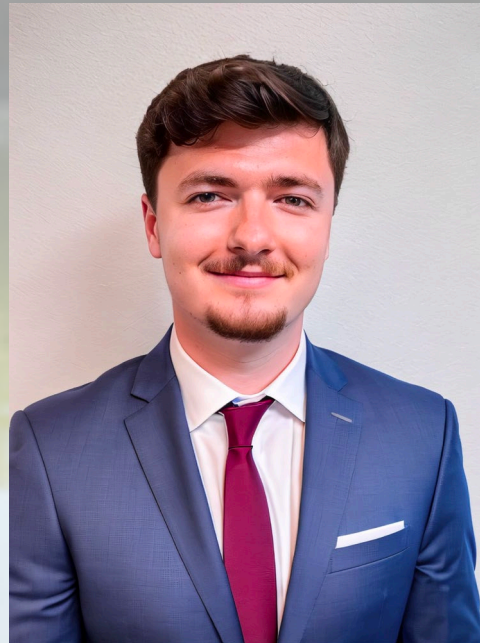
Mahaska County Water Trail Project

IOWA

April 29, 2024



Team Member



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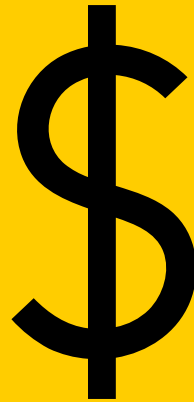
Outline



Existing
Conditions



Final Designs

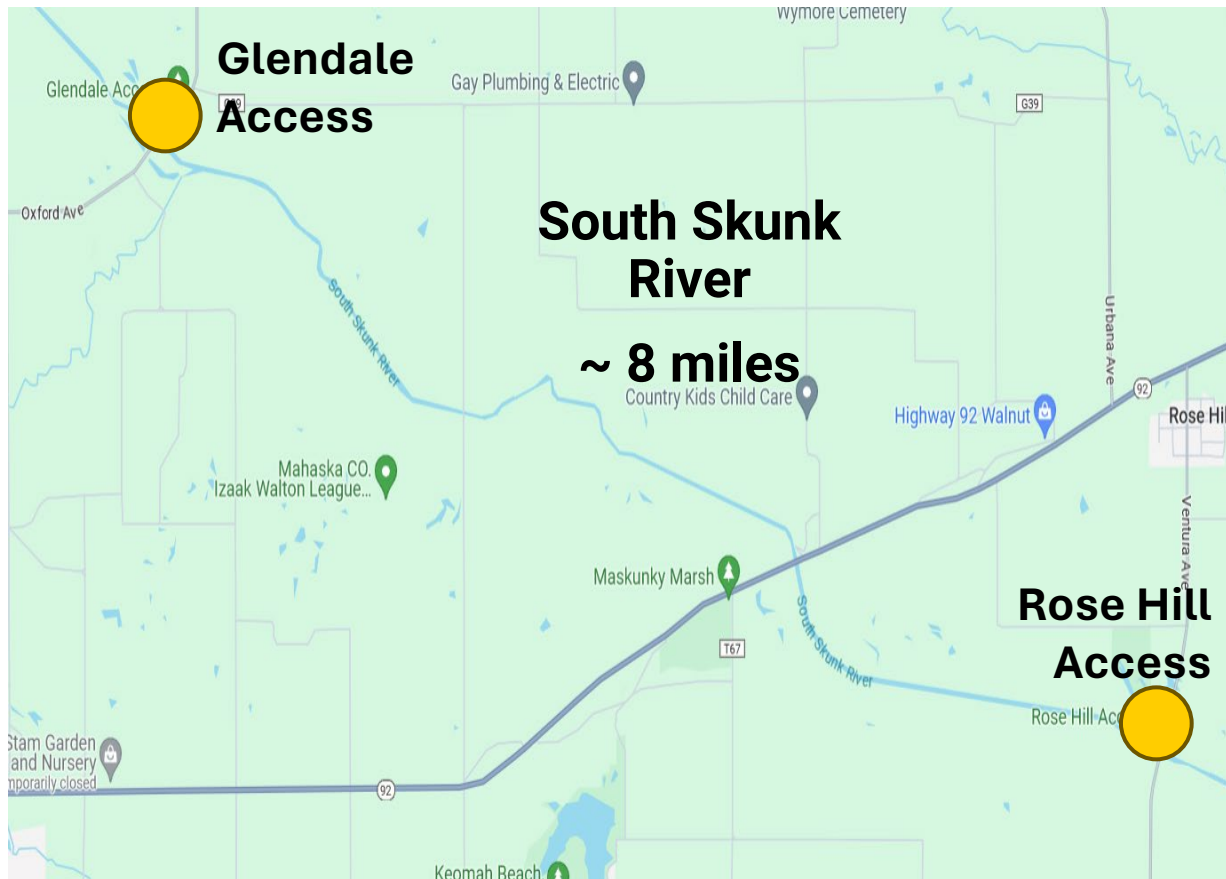


Cost Estimate



Questions

Site Locations



Existing Conditions: Glendale Access



Final Design: Glendale Access



- LEGEND**
- 6" CONCRETE
 - 6" GRAVEL
 - NATIVE GRASS SEEDING
 - MULCH
 - FIREPIT
 - PARKING BOLLARD
 - TRASH RECEPTACLE



Existing Conditions: Rose Hill Access



Final Design: Rose Hill Access



LEGEND

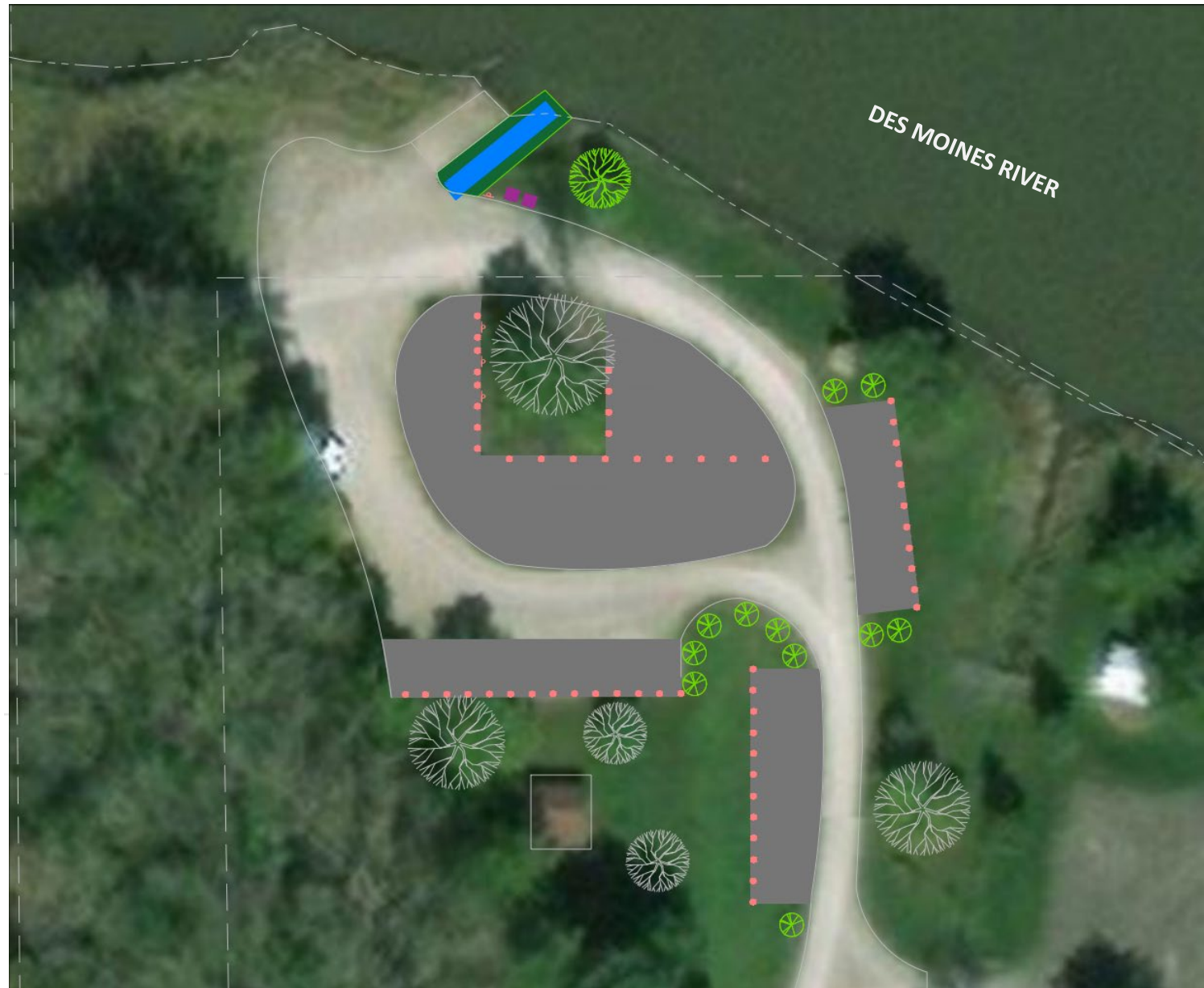
- 6" CONCRETE
- 6" GRAVEL
- NATIVE GRASS SEEDING
- MULCH
- RESTROOM
- FIREPIT
- PARKING BOLLARD
- TRASH RECEPTACLE








Existing Conditions: Eveland Access



Final Design: Eveland Access



LEGEND

-  6" CONCRETE
-  6" GRAVEL
-  NATIVE GRASS SEEDING
-  FIREPIT
-  TRASH RECEPTACLE

Existing Conditions: 310th St



Final Design: 310th Street

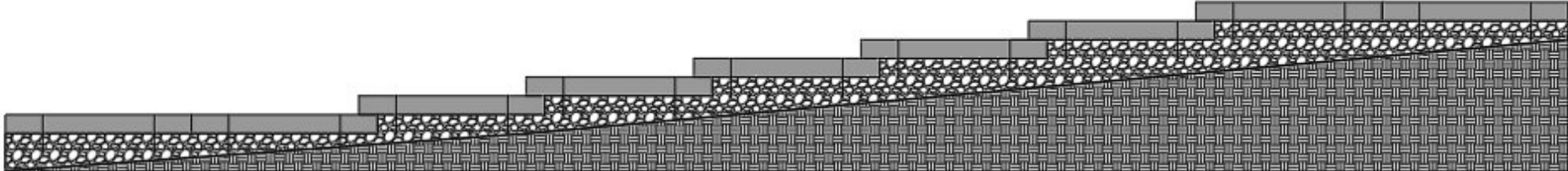


Shaded Shelter and Restroom

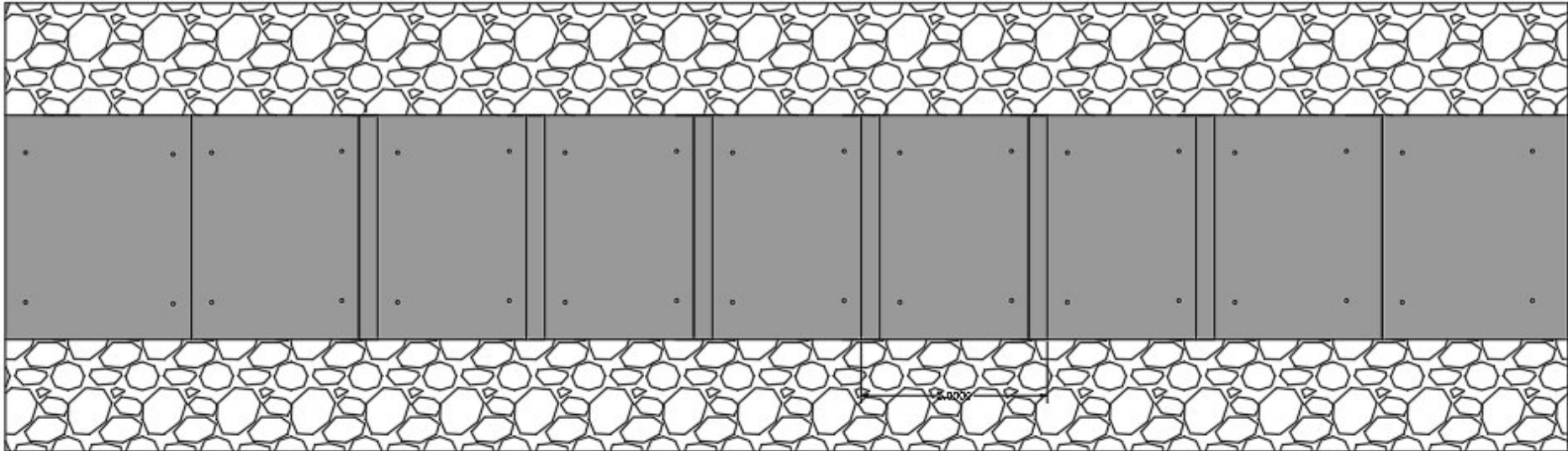


Final Design: Rose Hill Stair-Step Launch

Side View



Top View



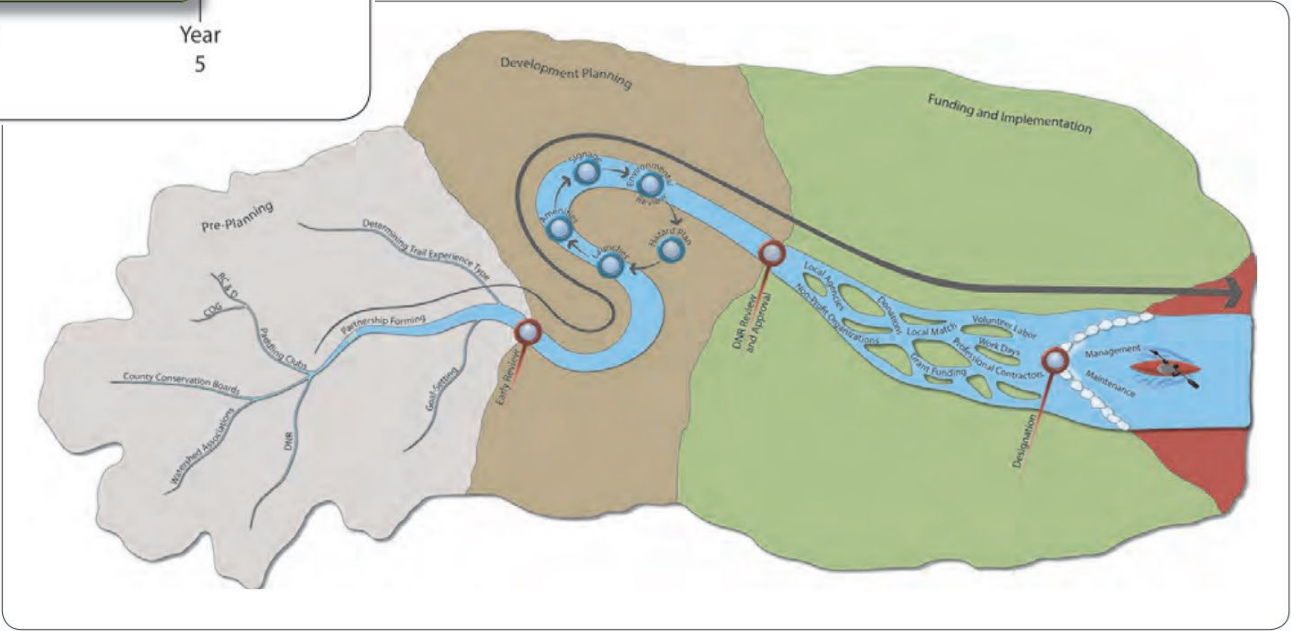
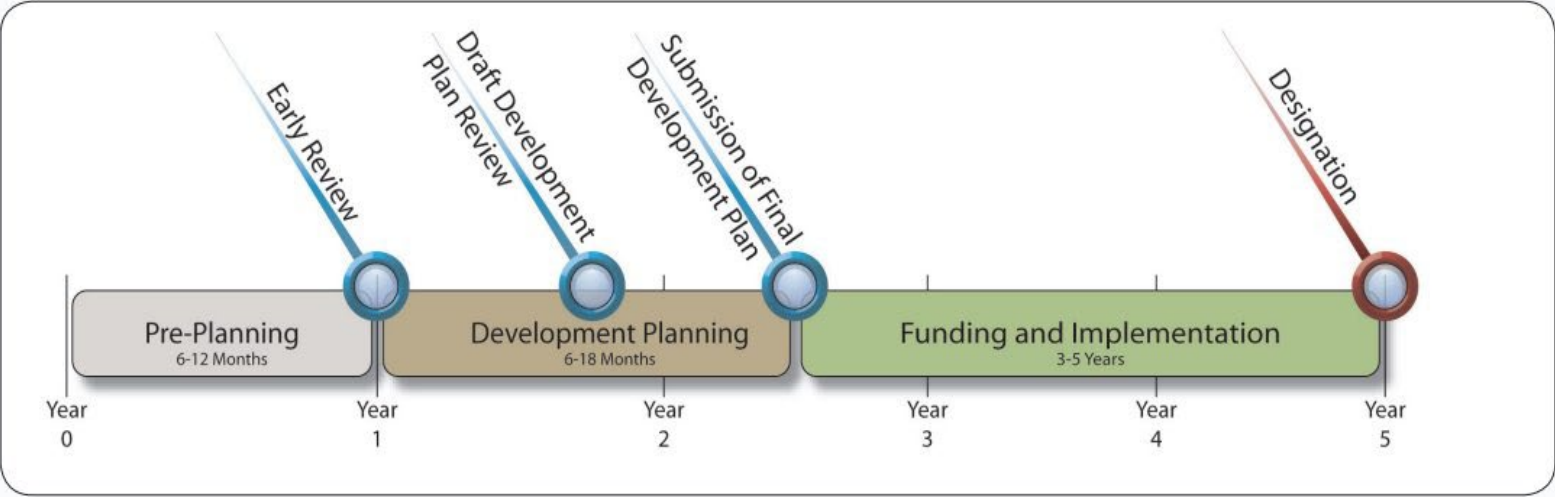
Construction Cost Estimate: Rose Hill Access

Rose Hill Access Site				
Description	Units	Amount	Unit Price	Cost
Site Work				
Excavation	CY	330.5	\$ 4.36	\$ 1,441.00
Soil Fill	CY	4746	\$ 25.04	\$ 118,840.00
Clearing and Grubbing	ACRE	1.258	\$ 5,434.48	\$ 6,837.00
Tree Removal	EACH	20	\$ 112.00	\$ 2,240.00
Silt Fence	LF	310	\$ 1.78	\$ 552.00
Mulch	ACRE	0.186	\$ 543.22	\$ 101.00
6" PCC	SY	198.44	\$ 97.41	\$ 19,330.00
Precast Stair Slab	EACH	10	\$ 510.00	\$ 5,100.00
8" Riprap	TON	15	\$ 82.00	\$ 1,209.00
Class A Road Stone	TON	656.45	\$ 45.10	\$ 29,606.00
Restroom Structure	EACH	1	\$ 42,000.00	\$ 42,000.00
ADA Sign	EACH	2	\$ 147.10	\$ 294.00
Access Ramp Signage	EACH	3	\$ 131.79	\$ 395.00
Shelter Structure	EACH	1	\$ 45,000.00	\$ 45,000.00
Trash Receptacle	EACH	2	\$ 150.00	\$ 300.00
Parking Bollard	EACH	32	\$ 60.37	\$ 1,932.00
Fire Pit	EACH	9	\$ 214.00	\$ 1,926.00
Native Grass Seeding	ACRE	0.863	\$ 986.50	\$ 851.00
Trees	EACH	10	\$ 699.82	\$ 6,998.00
Shrubs	EACH	35	\$ 85.34	\$ 2,987.00
			Construction Cost	\$ 287,939.00
			Contingency Factor 15%	\$ 43,061.00
			Total Construction Cost	\$ 331,000.00

Cost
Proposal
Summary

Cost Components	
Design Cost	\$ 54,000.00
Construction Costs	
Eveland Access	\$ 44,000.00
310 St Access	\$ 321,000.00
Glendale Access	\$ 182,000.00
Rose Hill Access	\$ 331,000.00
Total Project Cost	\$ 932,000.00

Water Trail Designation



Grants & Funding



PATHFINDERS

resource conservation
& development, inc.





IOWA

Mahaska County Water Trails

Questions?

