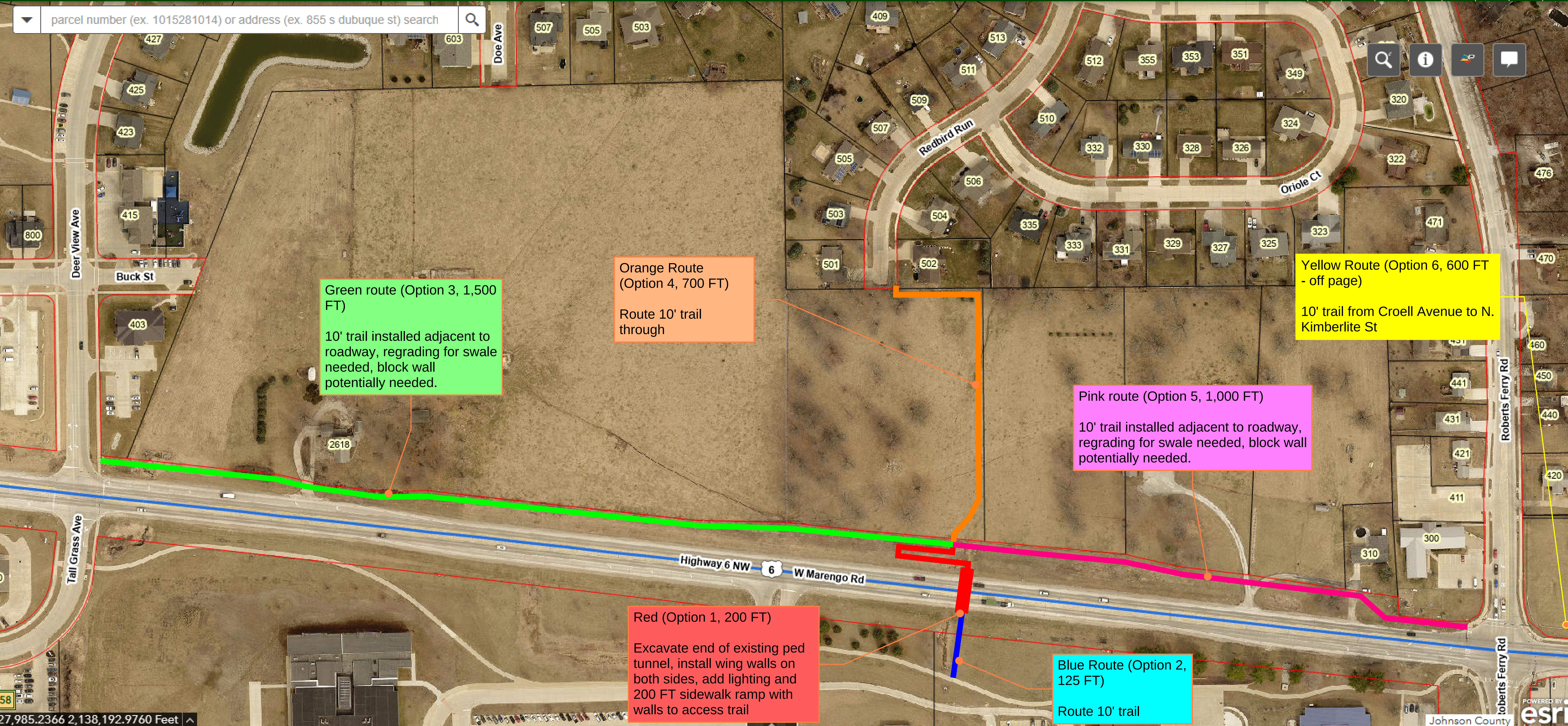
Johnson County Property Information Viewer GIS Information | County Home |




Johnson County Property Information Viewer
GIS Information |
County Home |
parcel number (ex. 1015281014) or address (ex. 855 s dubuque st) search
Yellow route (Option 6, 600 FT)
10' trail installed adjacent to roadway, regrading for swale and wall with average height of 3 feet needed
E Marengo Rd / Highway 6
State St
Croell Ave
Potter St
Iris Ct
N Kimberlite St
Kimberlite St
Thomas St
Bluestem St
Main St
E 3rd St
Summerhays St
Brown St
Stephans St
E 2nd St
7,138.6182 2,144,642.6290 Feet
Johnson County
POWERED BY esri

ENGINEER'S OPINION OF PROBABLE COSTS

10' Pedestrian Trail Options & Pedestrian Underpass, US 6

Tall Grass Avenue to Roberts Ferry Road

Tiffin, IA

DATE: 1/17/2025

MSA PROJECT #: 13603026

Estimate Year *2025*

Construction Year *2026*

				Option 1		*Option 2*		*Option 3*		*Option 4*		*Option 5*		*Option 6*		***Project Total***	
				Underpass Work		*125' of proposed Trail from Culvert, south, to existing trail*		*1500' of proposed Trail from Culvert, west, to Tall Grass Avenue*		*700' of proposed Trail from Culvert, north, to Redbird Run*		*1000' of proposed Trail from Culvert, east, to Roberts Ferry Road*		*600' of proposed Trail from Croell Avenue to N. Kimberlite Street*			
ITEM NO.	**DESCRIPTION**	**UNIT**	**UNIT PRICE**	**QUANTITY**	**COST**	**QUANTITY**	**COST**	**QUANTITY**	**COST**	**QUANTITY**	**COST**	**QUANTITY**	**COST**	**QUANTITY**	**COST**	**QUANTITY**	**TOTAL PRICE**
1	Clearing & Grubbing	LS	$ 6,000.00	-	$ -	-	$ -	0.40	$ 2,400	0.20	$ 1,200	0.30	$ 1,800	0.10	$ 600	**1**	**$ 6,000**
2	Fill, Contractor Furnished	CY	$ 13.00	-	$ -	-	$ -	1,182	$ 15,400	-	$ -	-	$ -	-	$ -	**1,182**	**$ 15,400**
3	Excavation	CY	$ 5.00	2,850	$ 14,300	46	$ 300	717	$ 3,600	246	$ 1,300	1,025	$ 5,200	355	$ 1,800	**5,239**	**$ 26,500**
4	PCC Overlay inside underpass (ADA Compliance)	SY	$ 60.00	210	$ 12,600	-	$ -	-	$ -	-	$ -	-	$ -	-	$ -	**210**	**$ 12,600**
5	PCC Endwalls with Pipe Railing at top	EA	$ 52,000.00	2	$ 104,000	-	$ -	-	$ -	-	$ -	-	$ -	-	$ -	**2**	**$ 104,000**
6	Storm Sewer for Pedestrian Underpass (based on Oct. 2008 design)	LS	$ 31,000.00	1	$ 31,000	-	$ -	-	$ -	-	$ -	-	$ -	-	$ -	**1**	**$ 31,000**
7	Drainage (Minor Storm Piping)	LF	$ 150.00	-	$ -	30	$ 4,500	200	$ 30,000	45	$ 6,800	60	$ 9,000	100	$ 15,000	**435**	**$ 65,300**
8	Guardrail	LF	$ 28.00	200	$ 5,600	-	$ -	-	$ -	-	$ -	-	$ -	-	$ -	**200**	**$ 5,600**
9	Anti-Graffiti Coating	LS	$ 12,000.00	1	$ 12,000	-	$ -	-	$ -	-	$ -	-	$ -	-	$ -	**1**	**$ 12,000**
10	Underpass Lighting System	LS	$ 35,000.00	1	$ 35,000	-	$ -	-	$ -		$ -	-	$ -	-	$ -	**1**	**$ 35,000**
11	Pedestrian Hand Rail	LF	$ 210.00	475	$ 99,800	-	$ -	-	$ -	-	$ -	-	$ -	-	$ -	**475**	**$ 99,800**
12	Modular Block Retaining Wall (Assume a ~3'-4' wall height average)	SF	$ 45.00	-	$ -	-	$ -	6,000	$ 270,000	-	$ -	5,000	$ 225,000	2,400	$ 108,000	**13,400**	**$ 603,000**
13	Poured Concrete Retaining Wall (Assume an 8' 6" max height)	CY	$ 900.00	49	$ 44,100	-	$ -	-	$ -	-	$ -	-		-		**49**	**$ 44,100**
14	PCC Trail, 10' Wide, 6" Thickness	SY	$ 49.00	222	$ 10,889	139	$ 6,900	1,667	$ 81,700	778	$ 38,200	1,111	$ 54,500	667	$ 32,700	**4,583**	**$ 224,889**
15	PCC Trail Aggregate Base & Subbgrade Prep, 4" Thickness	SY	$ 10.00	-	$ -	167	$ 1,700	2,000	$ 20,000	933	$ 9,400	1,333	$ 13,400	800	$ 8,000	**5,233**	**$ 52,500**
16	Construction Survey (1%)	LS	1%		$ 4,000		$ 1,000		$ 5,000		$ 1,000		$ 4,000		$ 2,000	**1**	**$ 17,000**
17	Traffic Control (3%)	LS	2%		$ 8,000		$ 1,000		$ 9,000		$ 2,000		$ 7,000		$ 4,000	**1**	**$ 31,000**
18	Mobilization (8%)	LS	8%		$ 31,000		$ 2,000		$ 35,000		$ 5,000		$ 26,000		$ 14,000	**1**	**$ 113,000**
	ESTIMATED CONSTRUCTION SUBTOTAL				*$ 412,289*		*$ 17,400*		*$ 472,100*		*$ 64,900*		*$ 345,900*		*$ 186,100*		*$ 1,498,689*
	Contingency	20%			$ 82,500		$ 3,500		$ 94,500		$ 13,000		$ 69,200		$ 37,300		**$ 300,000**
	Inflation	5%	per year		$ 24,800		$ 1,100		$ 28,400		$ 3,900		$ 20,800		$ 11,200		**$ 90,200**
	ESTIMATED CONSTRUCTION COST (2026)				*$ 519,589*		*$ 22,000*		*$ 595,000*		*$ 81,800*		*$ 435,900*		*$ 234,600*		***$ 1,888,889***
	Estimated Grant/Loan Administration				$ -		$ -		$ -		$ -		$ -		$ -		**$ -**
	Estimated Legal Fees				$ -		$ -		$ -		$ -		$ -		$ -		**$ -**
	Estimated Property Acquisition				$ -		$ -		$ -		$ -		$ -		$ -		**$ -**
	Estimated Design Engineering	10%			$ 52,000		$ 2,200		$ 59,500		$ 8,200		$ 43,600		$ 23,500		**$ 189,000**
	Estimated Construction Engineering	10%			$ 52,000		$ 2,200		$ 59,500		$ 8,200		$ 43,600		$ 23,500		**$ 189,000**
	TOTAL ESTIMATED PROJECT COST:				**$ 624,000**		**$ 27,000**		**$ 714,000**		**$ 99,000**		**$ 524,000**		**$ 282,000**		**$ 2,267,000**

Disclaimers & Assumptions

1 This opinion of probable cost is approximate. Actual construction bids may vary significantly from this opinion due to timing of bids, constructual schedule restraints, labor rate increases, material increases, or other factors beyond the control of the engineer.

2 Easements are estimations only. Compensation will be adjusted as needed during negotiations.

3 No street lighting or private utility relocation costs included.

4 Existing Culvert is 12' Wide, 8' Tall, 75' long

5 Proposed End Section and Headawall will be 41' long on each side

6 Total length is 157'