

DRAFT
PRELIMINARY ESTIMATE OF COST
MULTI-USE PATH
AuSABLE TOWNSHIP
IOSCO COUNTY, MICHIGAN
OSCODA HIGH SCHOOL TO AuSABLE RIVER

Item No.	MDOT Pay Item	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1500001	1	Lump Sum	Mobilization, Max. _____	\$52,000.00	\$52,000.00
2.	2010001	1	Acre	Clearing	\$5,000.00	\$5,000.00
3.	2050010	2000	Cyd	Embankment, CIP	\$10.00	\$20,000.00
4.	2080012	48	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$960.00
5.	2080034	4	Ea	Erosion Control, Sediment Trap	\$80.00	\$320.00
6.	2080036	11280	Ft	Erosion Control, Silt Fence	\$1.75	\$19,740.00
7.	4010012	24	Ea	Culv End Sect, 12 inch	\$275.00	\$6,600.00
8.	4010131	400	Ft	Culv, Cl A, 12 inch	\$33.00	\$13,200.00
9.	7067051	1	Lump Sum	_Pedestrian Bridge, 14' wide, 400' length	\$585,000.00	\$585,000.00
10.	8030010	160	Ft	Detectable Warning Surface	\$36.00	\$5,760.00
11.	8060010	4600	Ton	Shared Use Path, Aggregate	\$14.00	\$64,400.00
12.	8060030	11280	Ft	Shared Use Path, Grading	\$7.70	\$86,856.00
13.	8060040	1448	Ton	Shared Use Path, HMA	\$82.00	\$118,736.00
14.	8107050	26	Ea	_Permanent Traffic Signs	\$150.00	\$3,900.00
15.	8110024	1078	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswa	\$2.75	\$2,964.50
16.	8110041	56	Ft	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crossw	\$5.00	\$280.00
17.	8120170	1	Lump Sum	Minor Traf Devices	\$49,000.00	\$49,000.00
18.	8130010	72	Syd	Riprap, Plain	\$44.00	\$3,168.00
19.	8167011	13000	Syd	_Turf Establishment, Performance	\$2.25	\$29,250.00
20.	8507050	26	Each	_Bollards	\$500.00	<u>\$13,000.00</u>
Construction Subtotal						\$1,080,134.50
Design Engineering & Survey						\$76,000.00
Construction Administration, Staking, Inspection, & Material Testing						\$87,000.00
Contingencies						<u>\$107,865.50</u>
TOTAL PRELIMINARY ESTIMATE OF COST						\$1,351,000.00

DRAFT
PRELIMINARY ESTIMATE OF COST
MULTI-USE PATH
OSCODA & WILBER TOWNSHIPS
IOSCO COUNTY, MICHIGAN
OLD ORCHARD PARK TO OSCODA HIGH SCHOOL

Item No.	MDOT Pay Item	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1500001	1	Lump Sum	Mobilization, Max. _____	\$51,000.00	\$51,000.00
2.	2010001	3	Acre	Clearing	\$5,000.00	\$15,000.00
3.	2050010	4500	Cyd	Embankment, CIP	\$10.00	\$45,000.00
4.	2080012	96	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,920.00
5.	2080034	8	Ea	Erosion Control, Sediment Trap	\$80.00	\$640.00
6.	2080036	30410	Ft	Erosion Control, Silt Fence	\$1.75	\$53,217.50
7.	4010012	48	Ea	Culv End Sect, 12 inch	\$275.00	\$13,200.00
8.	4010131	800	Ft	Culv, Cl A, 12 inch	\$33.00	\$26,400.00
9.	8030010	60	Ft	Detectable Warning Surface	\$36.00	\$2,160.00
10.	8060010	12390	Ton	Shared Use Path, Aggregate	\$14.00	\$173,460.00
11.	8060030	30410	Ft	Shared Use Path, Grading	\$7.70	\$234,157.00
12.	8060040	3903	Ton	Shared Use Path, HMA	\$82.00	\$320,046.00
13.	8107050	6	Ea	_Permanent Traffic Signs	\$150.00	\$900.00
14.	8110024	264	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswa	\$2.75	\$726.00
15.	8120170	1	Lump Sum	Minor Traf Devices	\$48,500.00	\$48,500.00
16.	8130010	96	Syd	Riprap, Plain	\$44.00	\$4,224.00
17.	8167011	33800	Syd	_Turf Establishment, Performance	\$2.25	\$76,050.00
18.	8507050	6	Each	_Bollards	\$500.00	<u>\$3,000.00</u>
Construction Subtotal						\$1,069,600.50
Design Engineering & Survey						\$75,000.00
Construction Administration, Staking, Inspection, & Material Testin;						\$86,000.00
Contingencie:						<u>\$26,399.50</u>
TOTAL PRELIMINARY ESTIMATE OF COST						\$1,257,000.00

DRAFT
PRELIMINARY ESTIMATE OF COST
MULTI-USE PATH
OSCODA TOWNSHIP
IOSCO COUNTY, MICHIGAN
LUMBERMAN'S MONUMENT TO OLD ORCHARD PARK

Item No.	MDOT Pay Item	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1500001	1	Lump Sum	Mobilization, Max. _____	\$62,000.00	\$62,000.00
2.	2010001	3.5	Acre	Clearing	\$5,000.00	\$17,500.00
3.	2050010	5545	Cyd	Embankment, CIP	\$10.00	\$55,450.00
4.	2080012	96	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,920.00
5.	2080034	8	Ea	Erosion Control, Sediment Trap	\$80.00	\$640.00
6.	2080036	37425	Ft	Erosion Control, Silt Fence	\$1.75	\$65,493.75
7.	4010012	48	Ea	Culv End Sect, 12 inch	\$275.00	\$13,200.00
8.	4010030	2	Ea	Culv End Sect, 30 inch	\$800.00	\$1,600.00
9.	4010131	800	Ft	Culv, Cl A, 12 inch	\$33.00	\$26,400.00
10.	4010135	16	Ft	Culv, Cl A, 30 inch	\$70.00	\$1,120.00
11.	8030010	40	Ft	Detectable Warning Surface	\$36.00	\$1,440.00
12.	8060010	15248	Ton	Shared Use Path, Aggregate	\$14.00	\$213,472.00
13.	8060030	37425	Ft	Shared Use Path, Grading	\$7.70	\$288,172.50
14.	8060040	4803	Ton	Shared Use Path, HMA	\$82.00	\$393,846.00
15.	8107050	6	Ea	_Permanent Traffic Signs	\$150.00	\$900.00
16.	8110024	190	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswa	\$2.75	\$522.50
17.	8120170	1	Lump Sum	Minor Traf Devices	\$59,000.00	\$59,000.00
18.	8130010	96	Syd	Riprap, Plain	\$44.00	\$4,224.00
19.	8167011	41600	Syd	_Turf Establishment, Performance	\$2.25	\$93,600.00
20.	8507050	6	Each	_Bollards	\$500.00	<u>\$3,000.00</u>
Construction Subtotal						\$1,303,500.75
Design Engineering & Survey						\$91,000.00
Construction Administration, Staking, Inspection, & Material Testing						\$104,000.00
Contingencies						<u>\$32,499.25</u>
TOTAL PRELIMINARY ESTIMATE OF COST						\$1,531,000.00

DRAFT
PRELIMINARY ESTIMATE OF COST
MULTI-USE PATH
OSCODA TOWNSHIP
IOSCO COUNTY, MICHIGAN
M-65/RIVER ROAD TO LUMBERMAN'S MONUMENT

Item No.	MDOT Pay Item	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1500001	1	Lump Sum	Mobilization, Max. _____	\$32,000.00	\$32,000.00
2.	2010001	0.5	Acre	Clearing	\$5,000.00	\$2,500.00
3.	2050010	3000	Cyd	Embankment, CIP	\$10.00	\$30,000.00
4.	2080012	60	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,200.00
5.	2080034	5	Ea	Erosion Control, Sediment Trap	\$80.00	\$400.00
6.	2080036	19150	Ft	Erosion Control, Silt Fence	\$1.75	\$33,512.50
7.	4010012	24	Ea	Culv End Sect, 12 inch	\$275.00	\$6,600.00
8.	4010131	400	Ft	Culv, Cl A, 12 inch	\$33.00	\$13,200.00
9.	8030010	20	Ft	Detectable Warning Surface	\$36.00	\$720.00
10.	8060010	7802	Ton	Shared Use Path, Aggregate	\$14.00	\$109,228.00
11.	8060030	19150	Ft	Shared Use Path, Grading	\$7.70	\$147,455.00
12.	8060040	2458	Ton	Shared Use Path, HMA	\$82.00	\$201,556.00
13.	8107050	2	Ea	_Permanent Traffic Signs	\$150.00	\$300.00
14.	8110024	104	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswa	\$2.75	\$286.00
15.	8120170	1	Lump Sum	Minor Traf Devices	\$30,000.00	\$30,000.00
16.	8130010	72	Syd	Riprap, Plain	\$44.00	\$3,168.00
17.	8167011	21500	Syd	_Turf Establishment, Performance	\$2.25	\$48,375.00
18.	8507050	2	Each	_Bollards	\$500.00	<u>\$1,000.00</u>
Construction Subtotal						\$661,500.50
Design Engineering & Survey						\$46,500.00
Construction Administration, Staking, Inspection, & Material Testin;						\$53,000.00
Contingencies						<u>\$16,999.50</u>
TOTAL PRELIMINARY ESTIMATE OF COST						\$778,000.00

DRAFT
PRELIMINARY ESTIMATE OF COST
MULTI-USE PATH
OSCODA TOWNSHIP
IOSCO COUNTY, MICHIGAN
WESTGATE TO M-65/RIVER ROAD

Item No.	MDOT Pay Item	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1500001	1	Lump Sum	Mobilization, Max. _____	\$35,000.00	\$35,000.00
2.	2010001	2.5	Acre	Clearing	\$5,000.00	\$12,500.00
3.	2050010	3135	Cyd	Embankment, CIP	\$10.00	\$31,350.00
4.	2080012	60	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,200.00
5.	2080034	5	Ea	Erosion Control, Sediment Trap	\$80.00	\$400.00
6.	2080036	21150	Ft	Erosion Control, Silt Fence	\$1.75	\$37,012.50
7.	4010012	24	Ea	Culv End Sect, 12 inch	\$275.00	\$6,600.00
8.	4010131	400	Ft	Culv, Cl A, 12 inch	\$33.00	\$13,200.00
9.	8030010	80	Ft	Detectable Warning Surface	\$36.00	\$2,880.00
10.	8060010	8617	Ton	Shared Use Path, Aggregate	\$14.00	\$120,638.00
11.	8060030	21150	Ft	Shared Use Path, Grading	\$7.70	\$162,855.00
12.	8060040	2715	Ton	Shared Use Path, HMA	\$82.00	\$222,630.00
13.	8107050	8	Ea	_Permanent Traffic Signs	\$150.00	\$1,200.00
14.	8110024	226	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswa	\$2.75	\$621.50
15.	8120170	1	Lump Sum	Minor Traf Devices	\$34,000.00	\$34,000.00
16.	8130010	72	Syd	Riprap, Plain	\$44.00	\$3,168.00
17.	8167011	23500	Syd	_Turf Establishment, Performance	\$2.25	\$52,875.00
18.	8507050	8	Each	_Bollards	\$500.00	<u>\$4,000.00</u>
Construction Subtotal						\$742,130.00
Design Engineering & Survey						\$52,000.00
Construction Administration, Staking, Inspection, & Material Testin;						\$59,500.00
Contingencie:						<u>\$18,370.00</u>
TOTAL PRELIMINARY ESTIMATE OF COST						\$872,000.00

DRAFT
PRELIMINARY ESTIMATE OF COST
MULTI-USE PATH
PLAINFIELD TOWNSHIP
IOSCO COUNTY, MICHIGAN
HALE TO WESTGATE

Item No.	MDOT Pay Item	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1500001	1	Lump Sum	Mobilization, Max. _____	\$93,000.00	\$93,000.00
2.	2010001	4.0	Acre	Clearing	\$5,000.00	\$20,000.00
3.	2050010	6000	Cyd	Embankment, CIP	\$10.00	\$60,000.00
4.	2080012	96	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,920.00
5.	2080034	8	Ea	Erosion Control, Sediment Trap	\$80.00	\$640.00
6.	2080036	40420	Ft	Erosion Control, Silt Fence	\$1.75	\$70,735.00
7.	4010012	48	Ea	Culv End Sect, 12 inch	\$275.00	\$13,200.00
8.	4010131	800	Ft	Culv, Cl A, 12 inch	\$33.00	\$26,400.00
9.	7067051	1	Lump Sum	_Pedestrian Boardwalk, 14' wide, 150' length	\$200,000.00	\$200,000.00
10.	7067051	1	Lump Sum	_Pedestrian Boardwalk, 14' wide, 200' length	\$267,000.00	\$267,000.00
11.	8030010	280	Ft	Detectable Warning Surface	\$36.00	\$10,080.00
12.	8060010	16468	Ton	Shared Use Path, Aggregate	\$14.00	\$230,552.00
13.	8060030	40420	Ft	Shared Use Path, Grading	\$7.70	\$311,234.00
14.	8060040	5188	Ton	Shared Use Path, HMA	\$82.00	\$425,416.00
15.	8107050	32	Ea	_Permanent Traffic Signs	\$150.00	\$4,800.00
16.	8110024	904	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	\$2.75	\$2,486.00
17.	8110041	56	Ft	Pavt Mrkg, Ovly Cold Plastic, 12 inch, Crosswal	\$5.00	\$280.00
18.	8120170	1	Lump Sum	Minor Traf Devices	\$88,000.00	\$88,000.00
19.	8130010	96	Syd	Riprap, Plain	\$44.00	\$4,224.00
20.	8167011	45000	Syd	_Turf Establishment, Performance	\$2.25	\$101,250.00
21.	8507050	28	Each	_Bollards	\$500.00	<u>\$14,000.00</u>
Construction Subtotal						\$1,945,217.00
Design Engineering & Survey						\$136,000.00
Construction Administration, Staking, Inspection, & Material Testing						\$156,000.00
Contingencies						<u>\$194,783.00</u>
TOTAL PRELIMINARY ESTIMATE OF COST						\$2,432,000.00



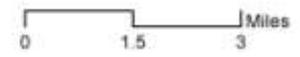
Proposed Non-Motorized Path
Iosco County, Michigan
January, 2014

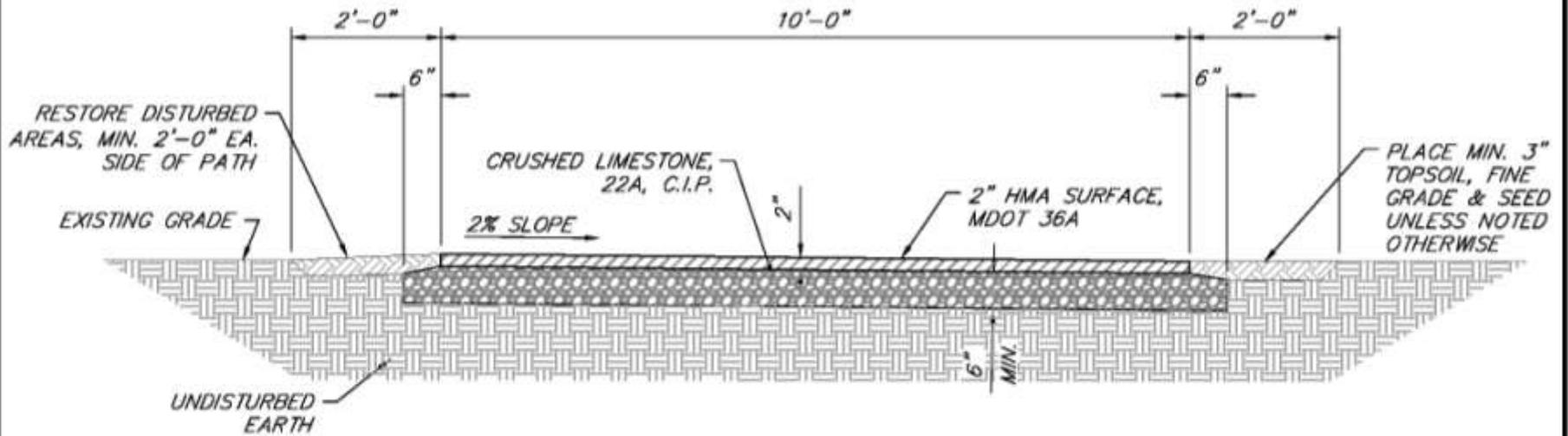


- Proposed Alt. Non-Motorized Path Section
- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points

DRAFT

Iosco County Non-Motorized Path





TYP. HMA PATH CROSS SECTION

SCALE: 1/2" = 1'-0"



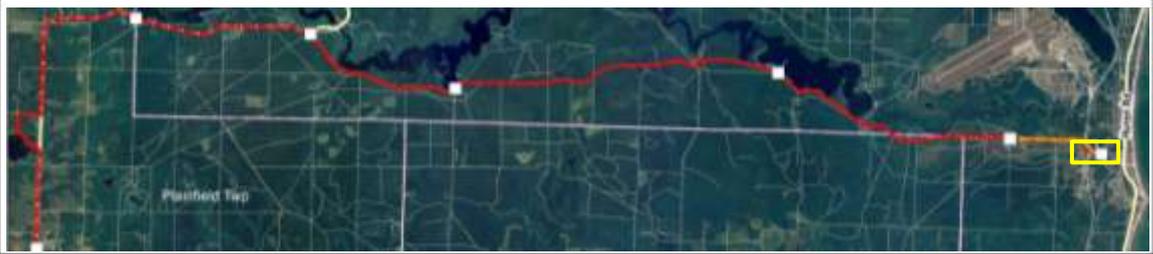
SAGINAW OFFICE
 230 S. Washington Ave.
 Saginaw, MI 48607
 Tel. 989-754-4717
 Fax. 989-754-4440
 www.SpicerGroup.com

Proposed primary route begins as a pedestrian bridge south of existing W. River Road Bridge. Proposed alt. route begins along north side of W. River Road Bridge.



Proposed primary route crosses the railroad easement in the Adams Street Right-of-Way

West River Road Bridge



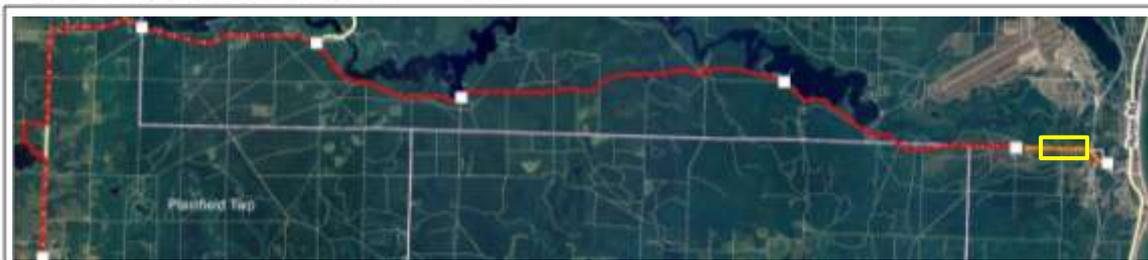
- Proposed Alt, Non-Motorized Path Section
- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





Iosco County Non-Motorized Path DRAFT

Segment 1 of 6, Map 2



- Proposed Alt, Non-Motorized Path Section
- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points



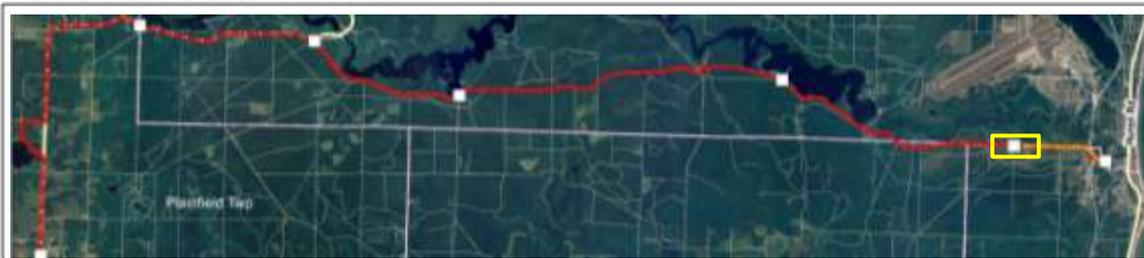


Proposed primary route crosses River Road just west of Oscoda High School.



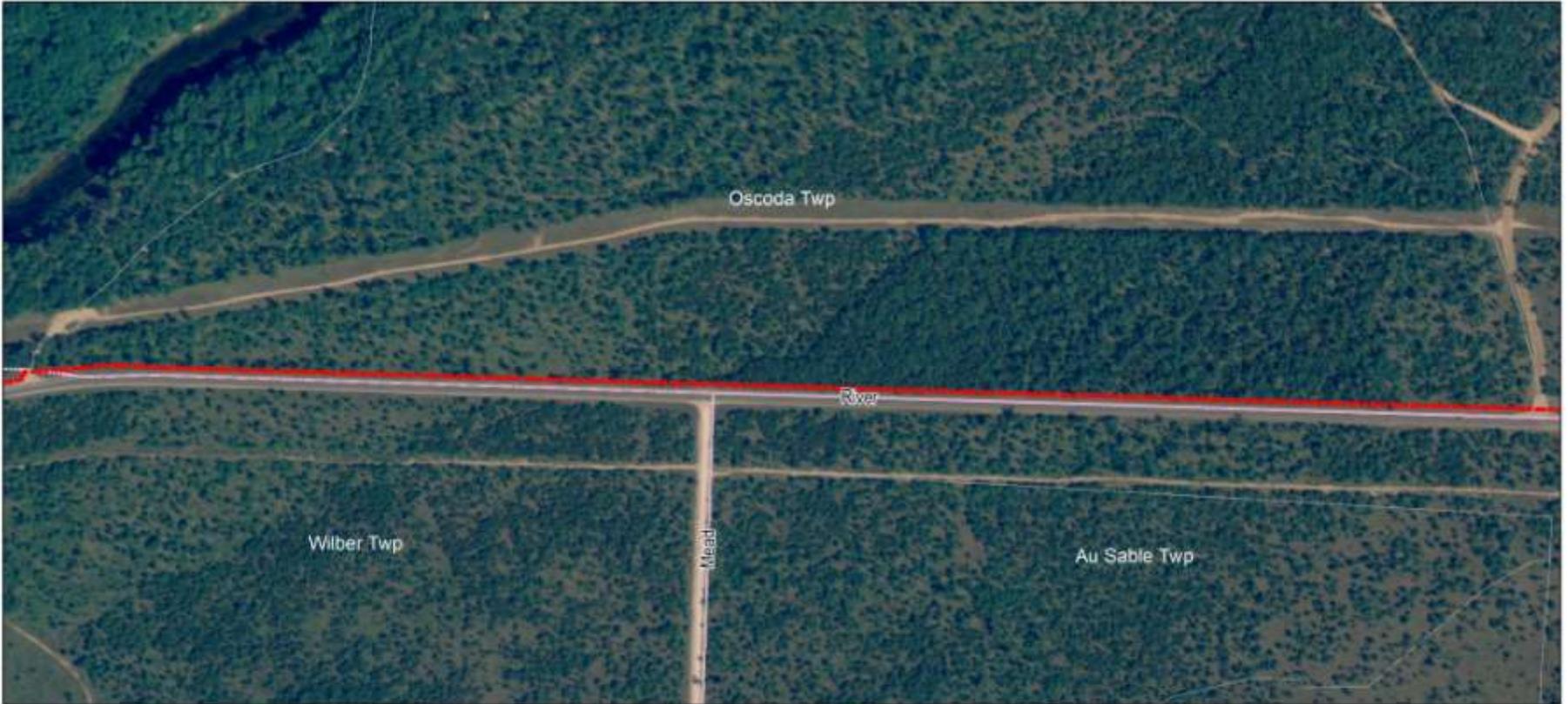
Iosco County Non-Motorized Path DRAFT

Segment 1-2 of 6, Map 3



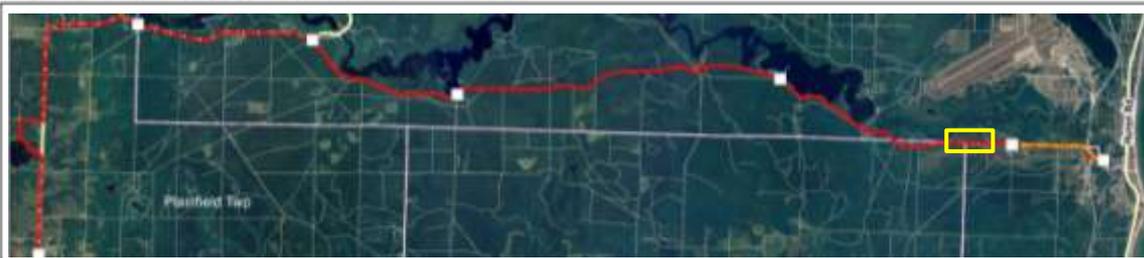
- Proposed Alt, Non-Motorized Path Section
- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





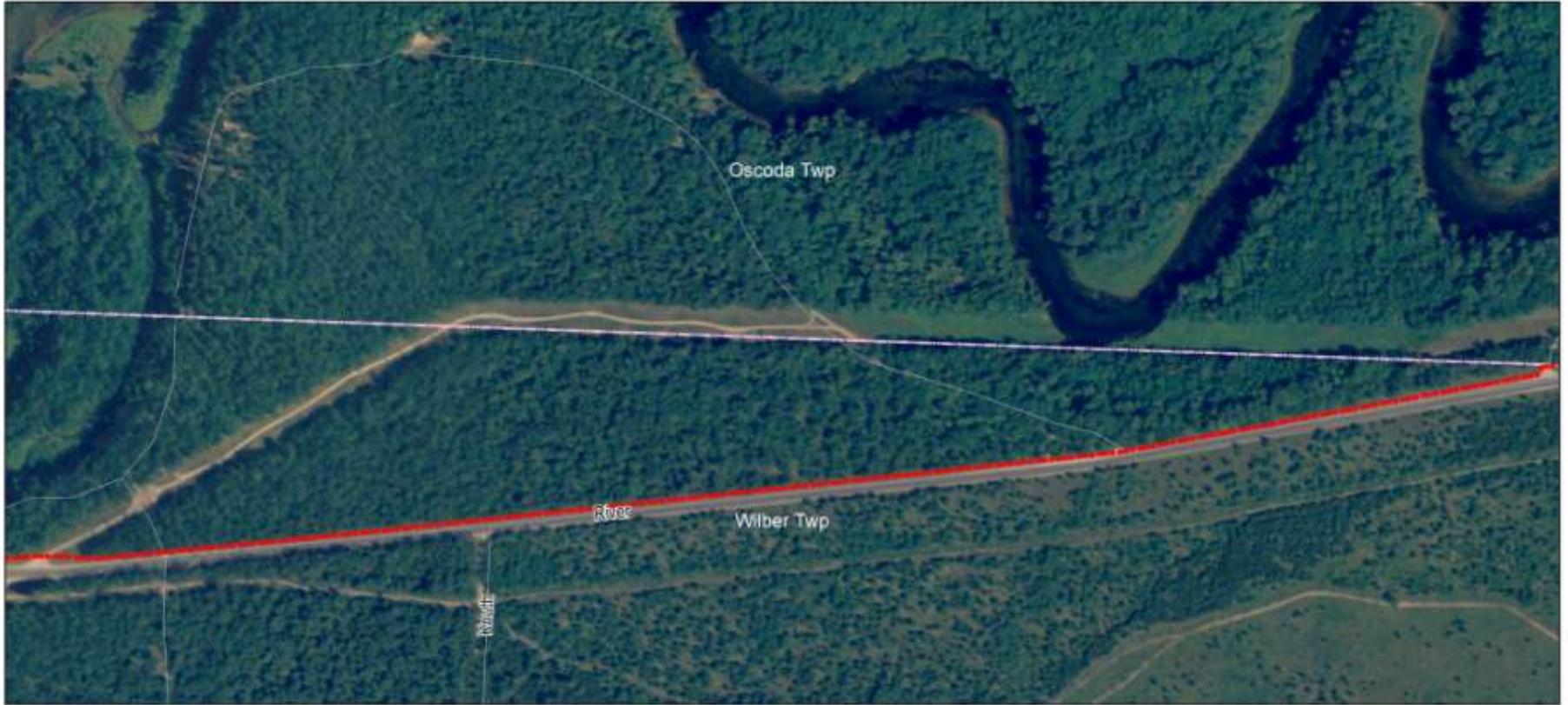
Iosco County Non-Motorized Path DRAFT

Segment 2 of 6, Map 4



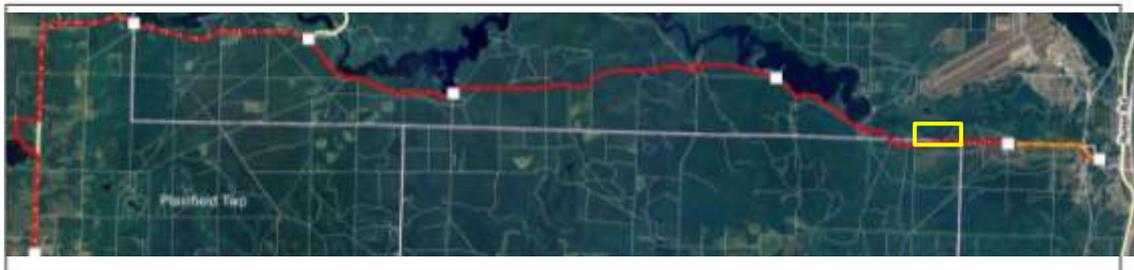
- Proposed Alt, Non-Motorized Path Section
- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





Iosco County Non-Motorized Path DRAFT

Segment 2 of 6, Map 5



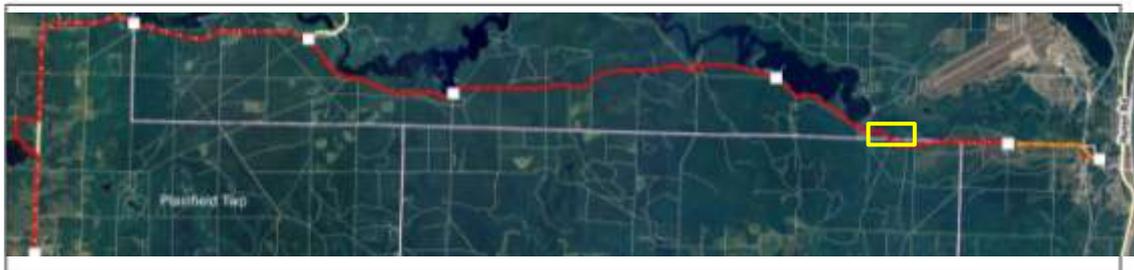
- Proposed Alt, Non-Motorized Path Section
- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points



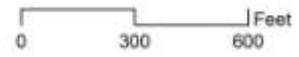


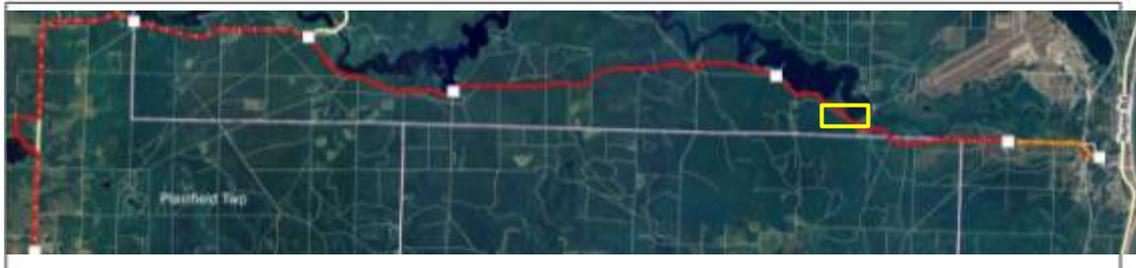
Iosco County Non-Motorized Path DRAFT

Segment 2 of 6, Map 6



- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





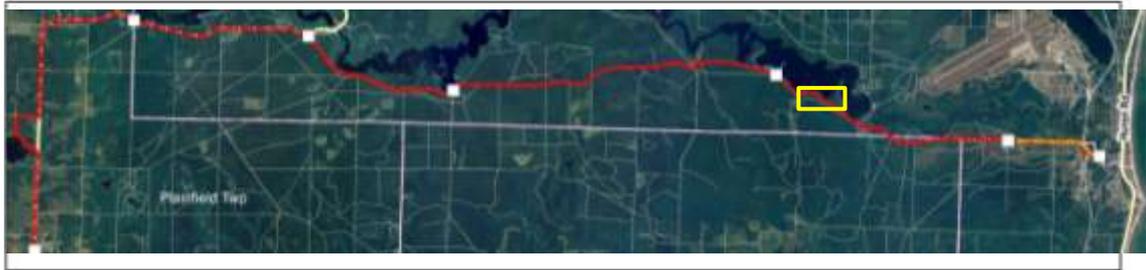
- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points

0 300 600 Feet



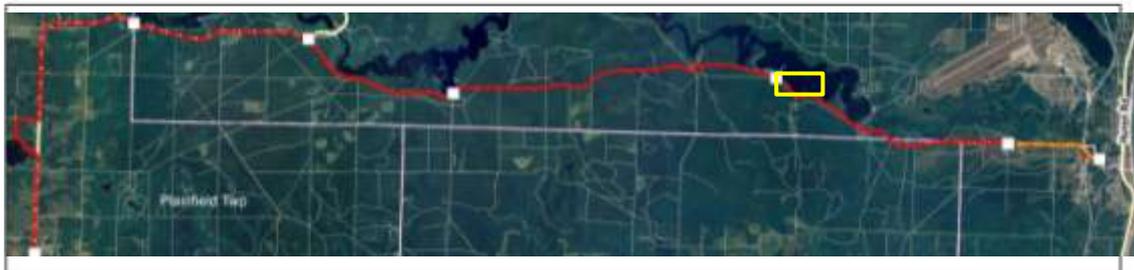


Path leaves road edge and enters Old Orchard Park.

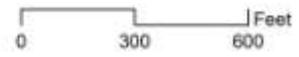


- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





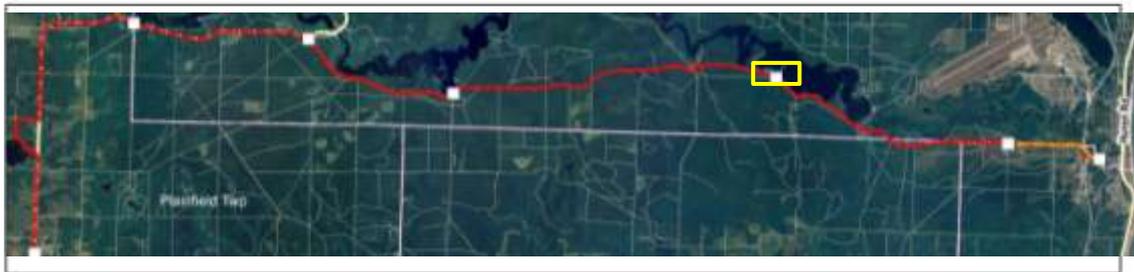
- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





Iosco County Non-Motorized Path DRAFT

Segment 3 of 6, Map 10



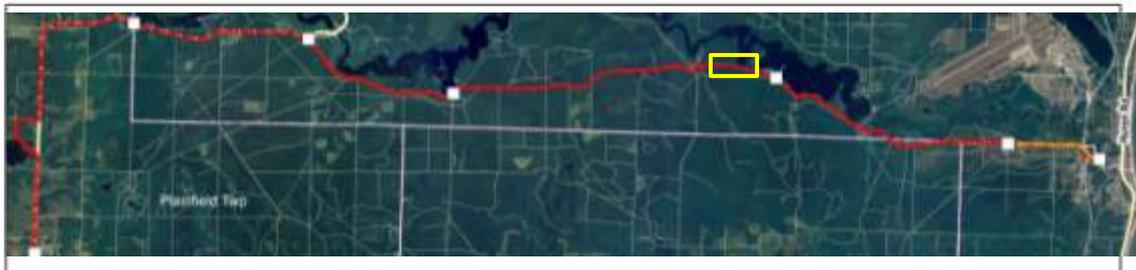
- — — Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points



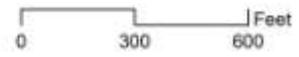


Path to run along existing utility corridor.

Oscoda Twp



- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points

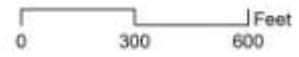




Path reconnects to River Road through the substation area.



- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points

0 300 600 Feet





Iosco County Non-Motorized Path DRAFT

Segment 3 of 6, Map 14



- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points

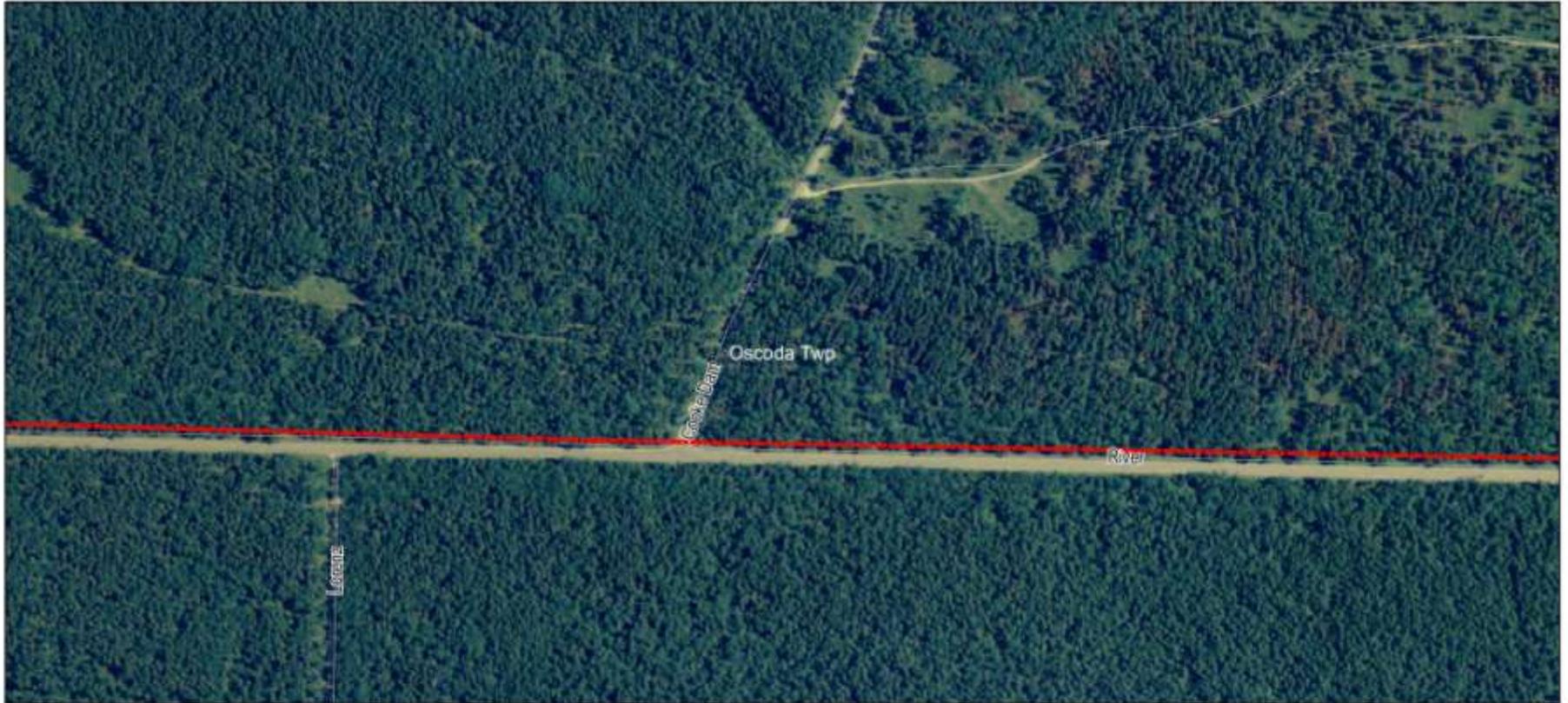
0 300 600 Feet





- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points

0 300 600 Feet





Path exits River Road onto the former road bed.

Iosco County Non-Motorized Path DRAFT

Segment 3 of 6, Map 17



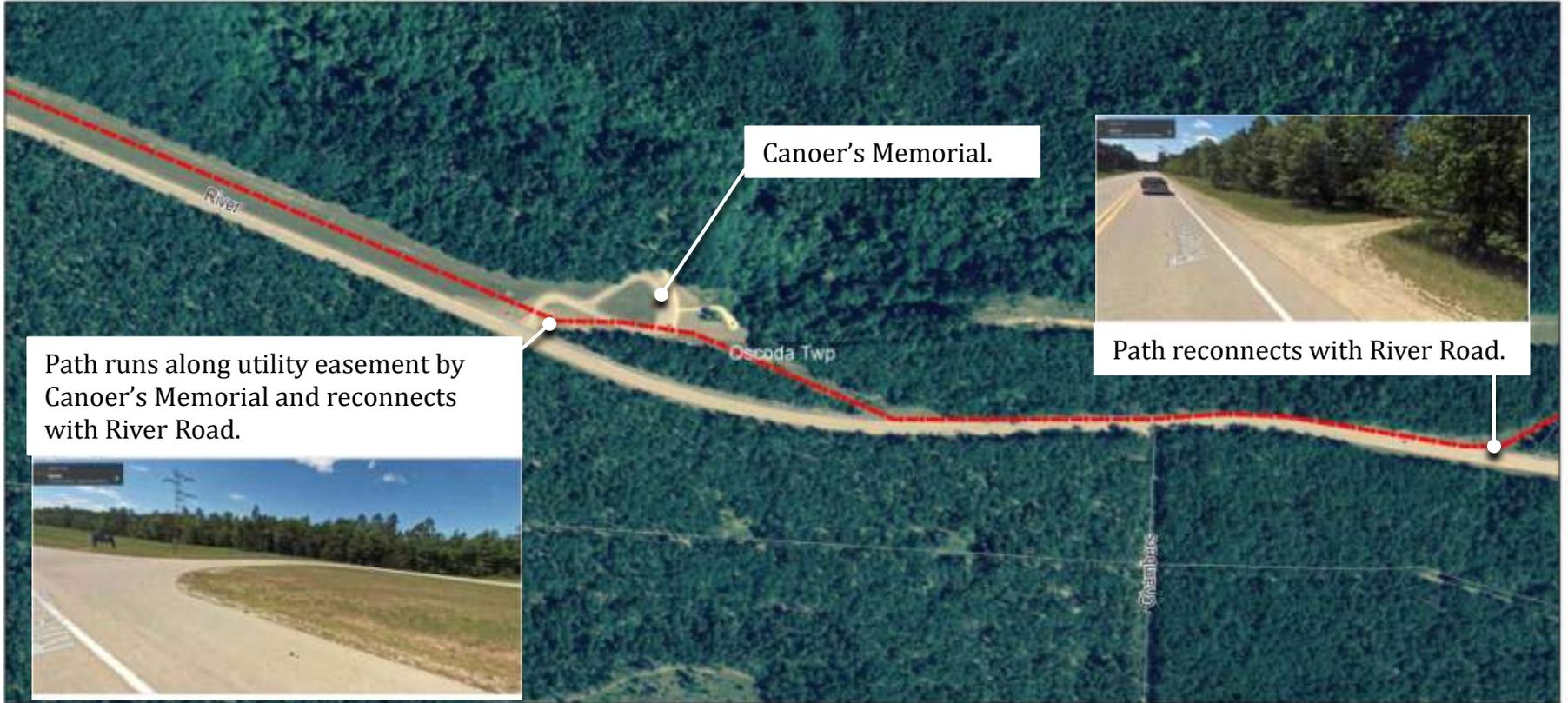
- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points

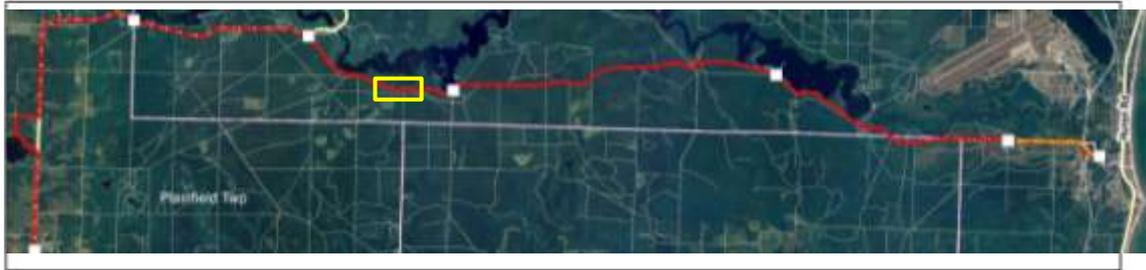




Path runs along utility easement by Canoe's Memorial and reconnects with River Road.

Canoe's Memorial.

Path reconnects with River Road.



- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points

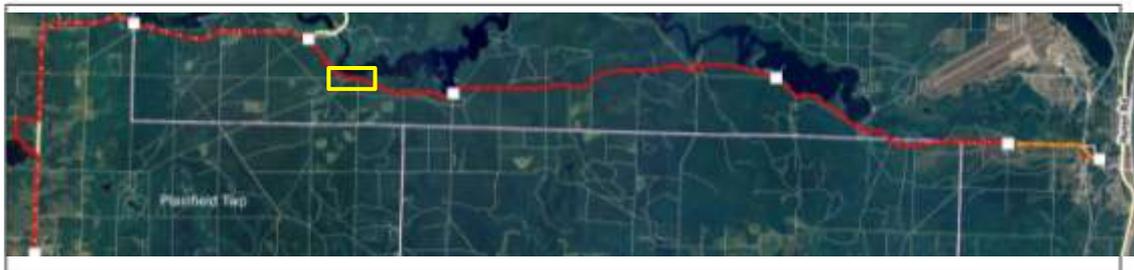




Largo Springs

Path reconnects with River Road.

Path veers from utility easement to former road bed.



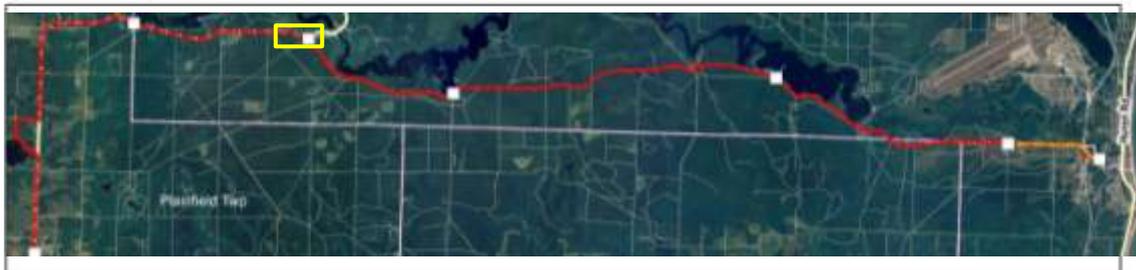
- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points







Path turns onto M-65 from River Road.



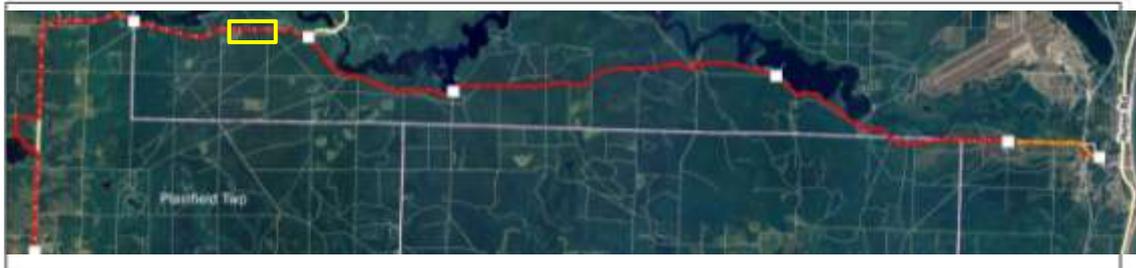
- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





Iosco County Non-Motorized Path DRAFT

Segment 5 of 6, Map 23



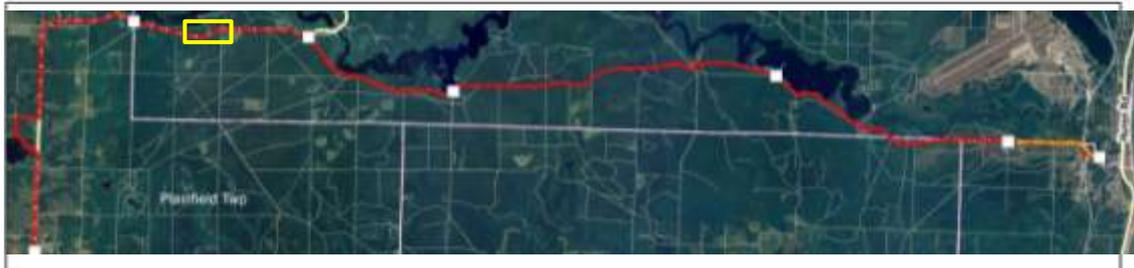
- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





Iosco County Non-Motorized Path DRAFT

Segment 5 of 6, Map 24



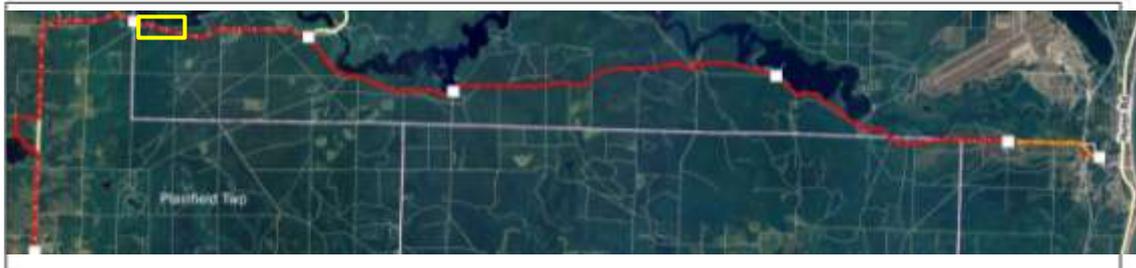
-  Proposed Non-Motorized Path
-  Township Boundary
-  Segment Break Points





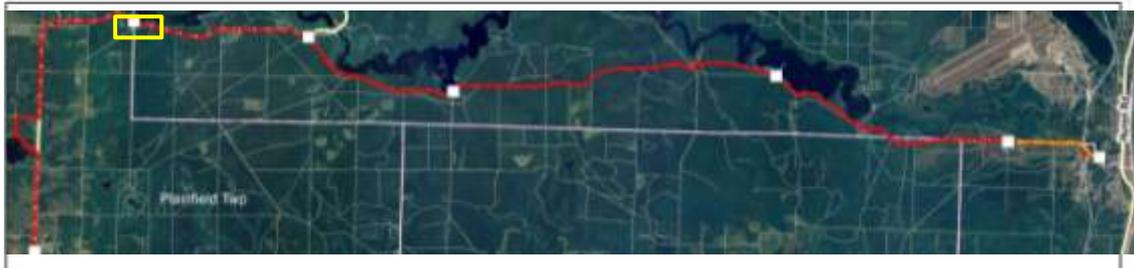
Iosco County Non-Motorized Path DRAFT

Segment 5 of 6, Map 25



- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





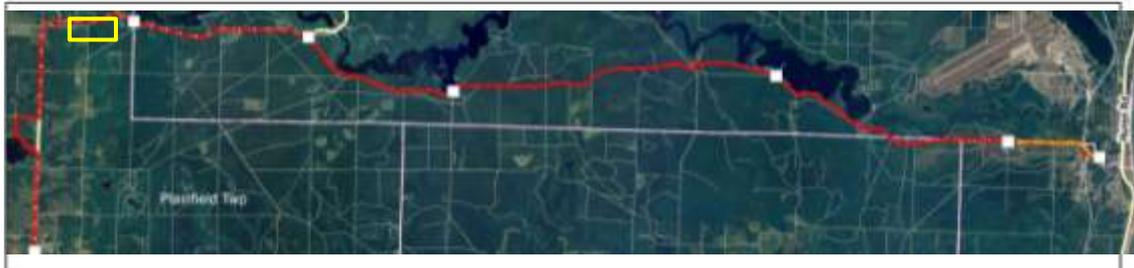
-  Proposed Alt. Non-Motorized Path Section
-  Proposed Non-Motorized Path
-  Township Boundary
-  Segment Break Points





Iosco County Non-Motorized Path DRAFT

Segment 6 of 6, Map 27



- Proposed Alt. Non-Motorized Path Section
- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





Iosco County Non-Motorized Path DRAFT

Segment 6 of 6, Map 28



- Proposed Alt. Non-Motorized Path Section
- - - Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points





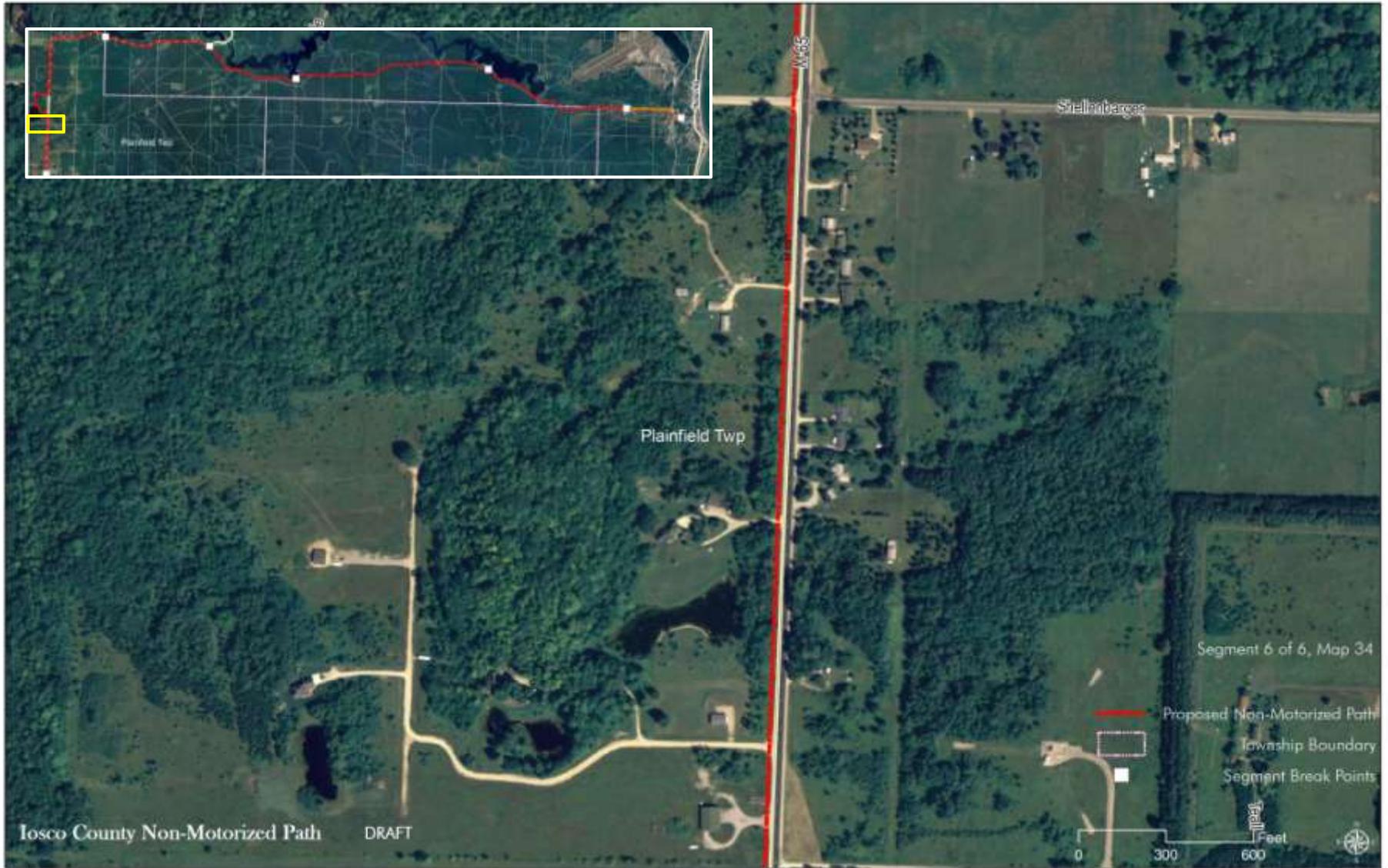






Path turns west onto Kokosing Road then heads south through the Plainfield Nature Park.



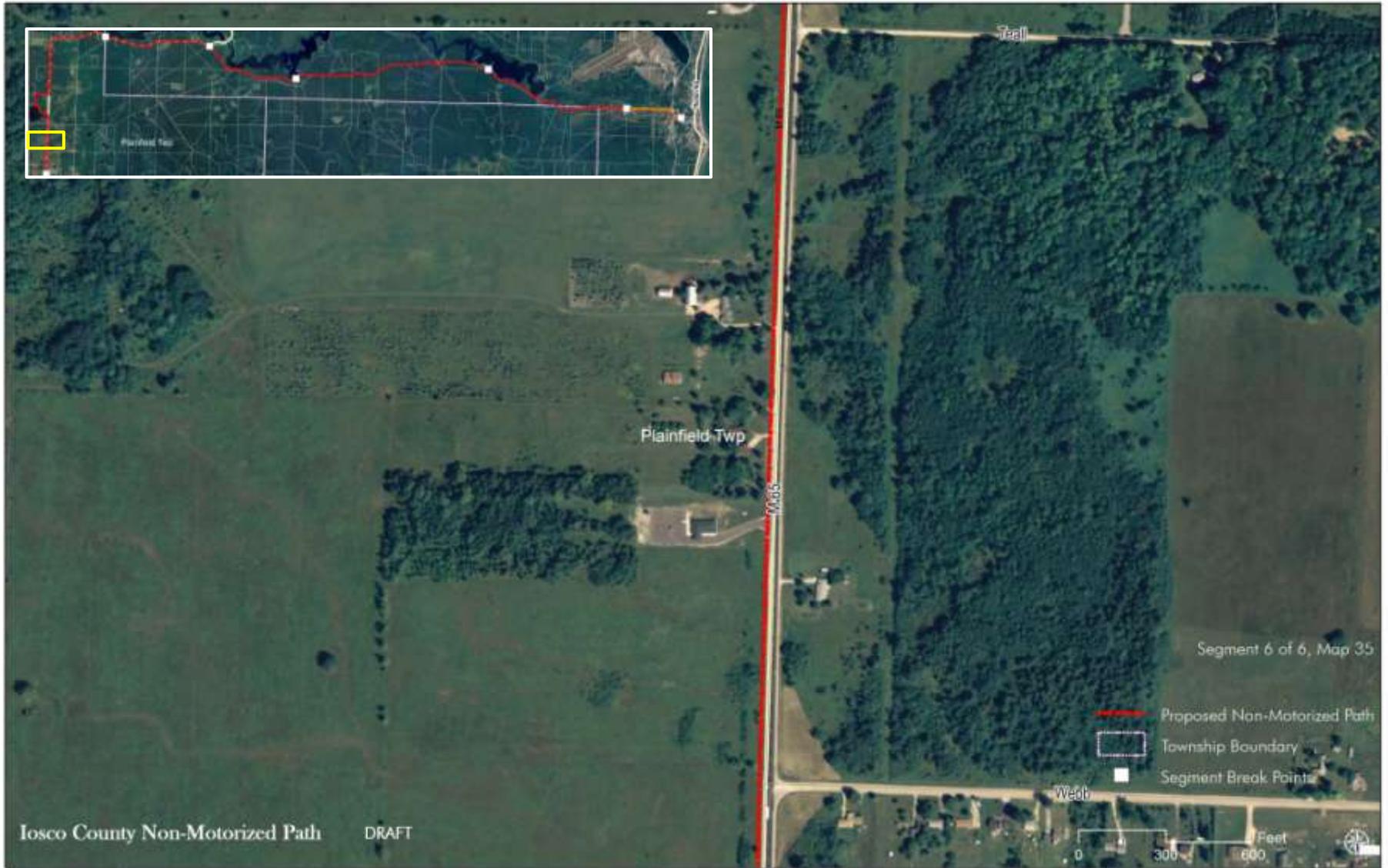


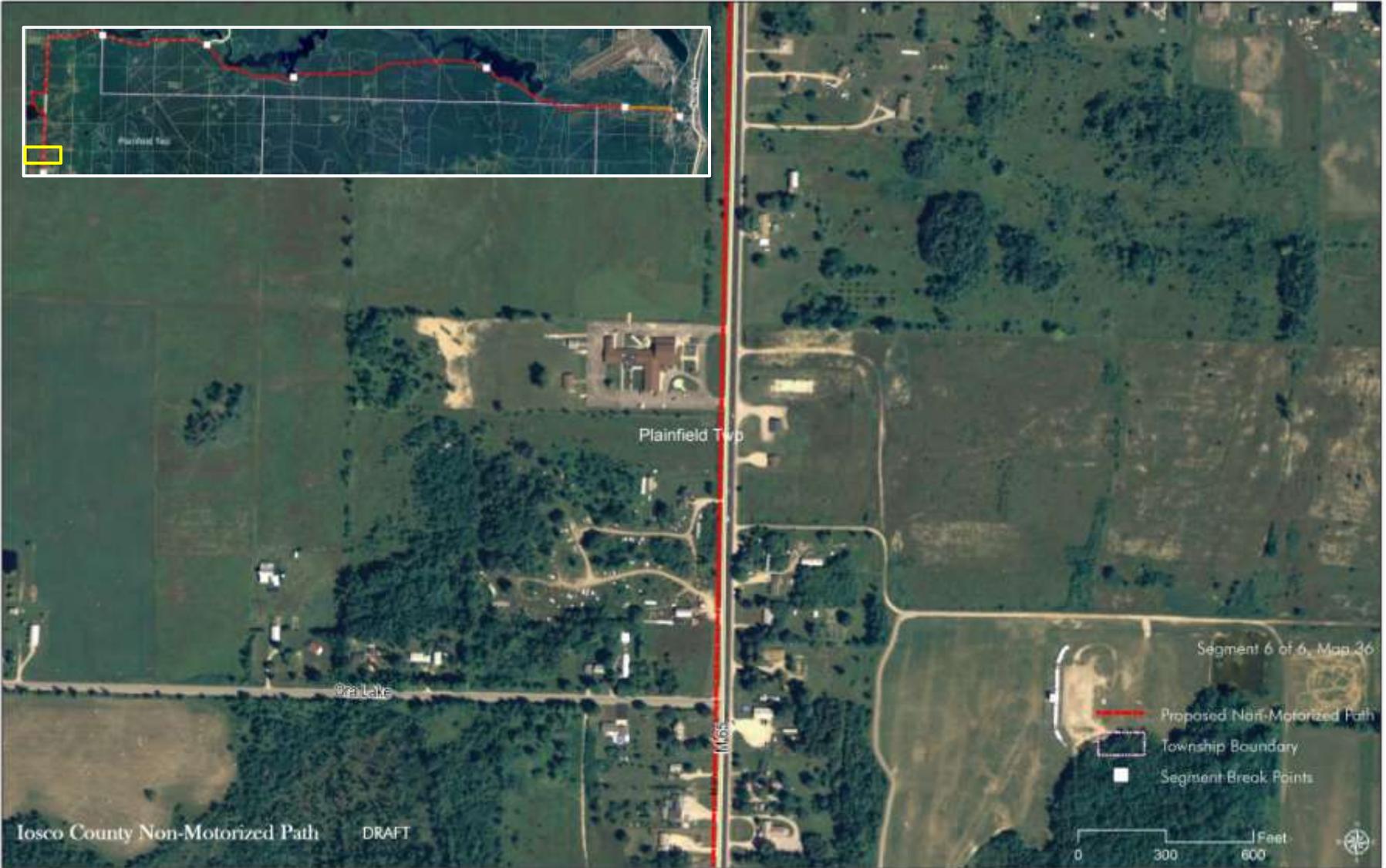
Iosco County Non-Motorized Path DRAFT

Segment 6 of 6, Map 34

- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points







Iosco County Non-Motorized Path

DRAFT

Segment 6 of 6, Map 37

- Proposed Non-Motorized Path
- Township Boundary
- Segment Break Points

0 300 600 Feet

