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**STATE:** Michigan  
**GRANT TITLE:** Iron Belle Trail Round 1 Grants  
**REPORT TYPE:** Final Performance Report  
**DATE:** January 31, 2017

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### **General Instructions**

*The GRANTEE must complete and submit a final report of activities and accomplishments 60 days following project completion or the end of the grant period. The final report will consist of the following:*

1. *The report narrative as described below, with the File Name written as:  
Grant Number\_Report Type\_Reporting Period (ex. IBT15-08\_Final\_10-31-16).*
2. *5-10 publishable photos (minimum of 300 dpi) of grant activities or results*
  - o *Development or sign projects: Pictures and location map of trail segments/trail structures constructed*
  - o *Route Planning/Engineering projects: map(s) and a copy of any documents created identifying preferred alternative chose for the IBT or any design and engineering documents*

*The report narrative should follow the outline and guidance below, including progress not yet reported, as well as reflect on the completed project.*

*Verification of activities is also requested in the form of photos, permits, outreach materials, survey, treatment and volunteer data (see required documents on page 2).*

### **Final Summary**

Provide a brief summary of accomplishments. This summary will be used for updating department executive staff, legislators, media, and may be posted to the DNR website.

**Plainfield Township studied the entire portion of the Iron Belle Trail route located in Plainfield Township. The preliminary route released by the State showed a route that went around the north side of Long Lake. The Township felt that was not the most feasible because of limited road right-of-way, numerous driveways and terrain issues. Further, they felt it was beneficial to trail users and the Hale community to route the trail into Hale. The preliminary trail route passed through no communities or villages from Oscoda to Rose City, a distance of 43 miles. By routing the path through Hale, trail users will have access to amenities such as restaurants, food, and repair and maintenance supplies. Plainfield Township is anxious to provide these services and sees the trail as an economic asset in their community.**

**The Township found a more feasible route which takes users into Hale and connects several lake communities in the Township. This route takes user through the existing Plainfield Township Park and takes advantage of Iosco County Road right-of-way and Consumers Energy easements.**

### **Discussion of Accomplishments**

1. Describe the tasks completed and the progress made towards the goals of the grant, relative to the proposed timeline. Did you meet, exceed, or fall short of project goals? Was your timeline realistic and achievable? Discussion should focus on significant outcomes, milestones and success stories of the project, Discuss problems encountered during the grant period and how that interfered with meeting program/project objectives.

**The goal of the grant was to study alternate routes for the Iron Belle Trail in Plainfield Township, Iosco County. This was accomplished.**

**The consultant drove the Hale path route numerous times and viewed several alternative routes. The team examined potential routes based on perceived ease of construction,**

potential for right-of-way access and available amenities. A preferred concept route was identified as well as an alternate.

The consultant made contact with Robert Bourgeois from the Real Estate Division of Consumers Energy to determine if Consumers would consider allowing the trail within its easement. Mr. Bourgeois indicated that he did not see any apparent roadblock and that Consumers may consider a Condition Consent of Easement after taking the request through the Consumers Energy clearance process.

After the final preferred route was determined, the consultant developed six potential phases for construction. Next, preliminary cost estimates were developed for each phase.

The final route and cost estimates were presented to the Plainfield Township Board at their January 18, 2017 meeting. The Board approved of the plan via motion (minutes attached).

**The timeline was realistic**

- List remedies of the problem(s) indicated in item 2 and how they may be avoided in the future.

**No problems.**

- Discuss the rate of expenditure versus progress on project. Did your original budget allow you to accomplish the goals of the project? Please describe any budgetary problems you encountered and how those could be alleviated in the future.

**The budget was realistic and it allowed the Township to accomplish the goals of the project.**

- Describe any plans for continuing activities funded under this grant in the future. (Next steps to keep the Iron Belle momentum going)

**Plainfield**

**Final Report Checklist**

Review the following checklist of required documents for the grant program, noting which files need to be submitted with the final report and which must be kept on file for audit.

Required Documents	
Discussion Narrative	x
5-10 Publishable Photos	x
Outreach materials, including press releases, maps, engineering documents or web links, etc.	x
Meeting, Training, or Event sign-in sheets	
Landowner Agreements	
Permits	

**Final Reimbursement Request:**

Include a final reimbursement request with a tabulation of the total project costs and documentation of expenditures not already submitted to the DEPARTMENT.

**GRANTEE Statement of Project Completion**

Statement	Signature of GRANTEE
Project completed in accordance with the grant agreement	

**DEPARTMENT Statement of Project Completion**

Statement	Signature of DEPARTMENT representative(s)
<p>I have received and approved the GRANTEE's Final Report Documents, including the Final Performance Report, Financial Status Report, and Final Reimbursement Request. I certify that the project has been completed within the project period and as described in the executed grant agreement (including any amendments executed between the DNR and the grantee).</p>	
	<p><i>IBT Coordinator: Signature, Division, Department (Final Report)</i></p>
	<p><i>Date</i></p>

## Iron Belle Route Study IBT15-20 – Project Photos



*Looking east along Kokosing Road where the path would turn south and traverse through Plainfield Township park land before getting to Wild Cherry Lane and back to M-65.*



*Looking north along M-65 north of Kokosing Road, where the path would be located along the west side of the road. A boardwalk would be utilized to cross the short wetland at this drain crossing.*



*Looking south along M-65 at Wild Cherry Lane, where the path would be located along the west side of the road. There is 200' of total right-of-way along most of M-65.*



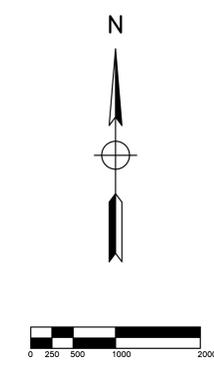
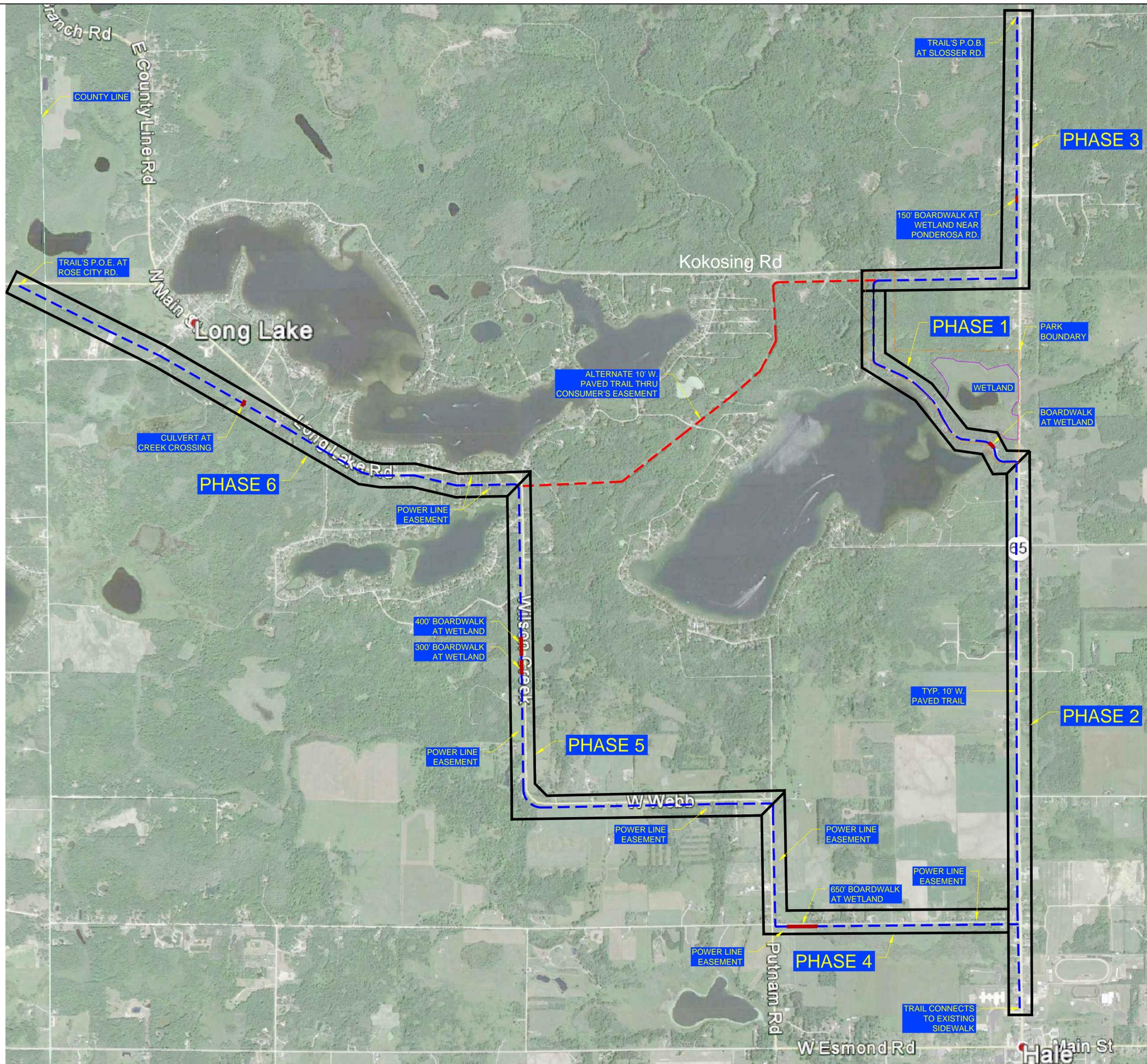
*Looking east along Long Lake Road, where the path would be placed along the south side of the road.*



*Looking south along Wilson Creek Road from Long Lake Road, where the path would be placed along the west side of the road.*



*Looking east along Webb Road from Wilson Creek Road, where the path would be placed on the south side of the road.*



LTP	REVISED TRAIL PER RRE/AGN FIELD VISIT	10-20-16
BY	MARK	DATE
<small>THE WORK REPRESENTED BY THIS DRAWING WAS DESIGNED BY THE ENGINEER FOR THIS SPECIFIC APPLICATION AND SPECIFIC LOCATION DESCRIBED HEREON IN ACCORDANCE WITH THE CONDITIONS PREVALENT AT THE TIME THE DESIGN WAS DONE. THE ENGINEER DOES NOT GUARANTEE AND WILL NOT BE LIABLE FOR ANY OTHER LOCATION, CONDITION, DESIGN OR PURPOSE.</small>		
<b>IRON BELLE TRAIL ROUTE STUDY</b> PLAINFIELD TOWNSHIP IOSCO COUNTY, MICHIGAN		
<b>TRAIL CONCEPTUAL MAP</b>		
<small>SAGINAW OFFICE 230 S. Washington Ave. Saginaw, MI 48607 Tel. 989-754-4717 Fax. 989-754-4440 www.SpicerGroup.com</small>		
DE. BY: RRE	CH. BY: LEE	PROJECT NO. 122862SG2015
DR. BY: LTP	APP. BY: RRE	
STDS.	SHEET 1 OF 1	MAP 1
DATE OCTOBER, 2016	FILE NO. -	
SCALE 1" = 1,000'		

PLOTTING SCALE: 1"=1,000'  
 RET. F.B. PG. ACAD FILE: -

PLAINFIELD TOWNSHIP  
REGULAR MEETING  
EAGLE POINTE PLAZA  
JANUARY 18<sup>TH</sup>, 2017  
6:30 P.M.

Meeting was called to order by Supervisor Lewis at 6:30 p.m. followed by the Pledge of Allegiance.

**Present:** Allen, Bassi, Lewis, M Reilly, S Reilly. Guests: 13

**Approval of Agenda:** Motion by Bassi supported by Allen to accept the agenda with the addition of 12c: Spicer Contract for Park Development. All Ayes. Motion carried.

**Public Comments:** Billy's Contracting from Saginaw expressed interest in the contract for waste site.

**Approval of Minutes:** Motion by M Reilly, supported by Bassi to approve the minutes from December 21, 2016 Regular Board Meeting and Special Meeting January 10<sup>th</sup>, 2017. All Ayes. Motion carried.

**Financial Report:** Given by Bassi.

**Budget Report:** Given by Lewis.

**Presentation of Bills:** Motion by Allen supported by M Reilly to accept bills as presented. Roll call vote: Ayes: Allen, Bassi, Lewis, M Reilly, S Reilly. Nays: None. Motion carried.

**Waste Site Forklift Repair:** Lewis presented repair bills.

**Row Agreement for Fairgrounds Property Switch:** Lewis presented Agreement. More will be discussed at a later date.

**Capital Improvement List:** Presented by Lewis. Board will review for adoption of a later date. Motion by Allen supported by M Reilly to purchase the rack and weights as presented. Roll call vote: Ayes: Allen, Bassi, Lewis, M Reilly, S Reilly. Nays: none. Motion carried.

**Size of Parks and Rec Committee 5 to 7:** Motion by M Reilly supported by S Reilly to increase Parks and Rec Committee to up to 7 members. Roll call vote: Ayes: Allen, Bassi, Lewis, M Reilly, S Reilly. Nays: none. Motion carried.

**Tyco Security Upgrade:** Motion by Allen supported by M Reilly to upgrade Tyco Security Contract. Roll call vote: Ayes: Allen, Bassi, Lewis, M Reilly, S Reilly. Nays: none. Motion carried.

**New Trail Route for IBT:** Motion by M Reilly supported by Allen to accept new trail route for IBT as presented by Spicer Map 1 copy attached. Roll call vote: Ayes: Allen, Bassi, Lewis, M Reilly, S Reilly. Nays: none. Motion carried.

**Lift Assist Device for Fire Dept.** Motion by S Reilly supported by Allen to purchase lift assist device for Fire Department. Roll call vote: Ayes: Allen, Bassi, Lewis, M Reilly, S Reilly. Nays: none. Motion carried.

**New Sewer Residential Equivalence Units (REU) :** Motion by Bassi supported by S Reilly to approve new sewer residential equivalence units. Roll call vote: Allen, Bassi, Lewis, M Reilly, Sue Reilly. Nays: none. Motion carried.

**Daves Computer agreement renewal:** Motion by Bassi supported by S Reilly to accept Daves renewal agreement. Roll call vote: Allen, Bassi, Lewis, M Reilly, S Reilly. Nays: none, Motion carried.

**Long Lake Marine Storage Site Plan Approval:** Motion by M Reilly supported by Bassi to approve store site plan for Long Lake Marine. Roll call vote: Allen, Bassi, Lewis, M Reilly, S Reilly. Nays: none. Motion carried.

**Tires for Suburban:** Motion by Allen supported by M Reilly to approve purchasing tires for Fire Department Suburban from West Side Body Shop. Roll call vote: Ayes: Allen, Bassi, Lewis, M Reilly, S Reilly. Nays: none. Motion carried.

**Spicer Contract:** Motion by Bassi supported by Allen to accept Spicer Contract for Park Development. Roll call vote: Ayes: Allen, Bassi, Lewis, M Reilly and S Reilly. Nays: none. Motion carried.

**Committee-Dept Reports:** Fire Department reported they are continuing to work on MFR Program.

**Board Comments:** The Planning Commission would like the Hale School Board to have a copy of the Master Plan.

Motion by Lewis supported by Bassi to adjourn at 7:50 p.m. All Ayes. Motion carried.

Sue Reilly  
Plainfield Township Clerk

1.16 miles

**PRELIMINARY ESTIMATE OF COST  
MULTI-USE PATH  
PLAINFIELD TOWNSHIP  
IOSCO COUNTY, MICHIGAN  
PHASE 1 - WILD CHERRY LANE FROM M-65 TO KOKOSING ROAD**

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1	LSUM	Mobilization, Max. _____	\$35,300.00	\$35,300.00
2.	0.5	Acre	Clearing	\$6,500.00	\$3,250.00
3.	1200	Cyd	Embankment, CIP	\$10.00	\$12,000.00
4.	45	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$900.00
5.	3	Ea	Erosion Control, Sediment Trap	\$150.00	\$450.00
6.	6092	Ft	Erosion Control, Silt Fence	\$2.00	\$12,184.00
7.	100	Syd	Approach, CI II, 6 inch	\$10.00	\$1,000.00
8.	10	Ea	Culv End Sect, 12 inch	\$325.00	\$3,250.00
9.	100	Ft	Culv, CI A, 12 inch	\$50.00	\$5,000.00
10.	1	LSUM	Pedestrian Boardwalk, 14' wide, 50' length	\$67,000.00	\$67,000.00
11.	20	Ft	Detectable Warning Surface	\$40.00	\$800.00
12.	6092	Ft	Shared Use Path, Grading	\$7.70	\$46,908.40
13.	850	Ton	Shared Use Path, HMA	\$82.00	\$69,700.00
14.	7500	Syd	Shared Use Path, Aggregate, 8 inch	\$10.00	\$75,000.00
15.	4	Ea	Permanent Traffic Signs	\$150.00	\$600.00
16.	100	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	\$2.75	\$275.00
17.	1	LSUM	Maintaining Traffic	\$10,300.00	\$10,300.00
18.	100	Syd	Riprap, Plain	\$60.00	\$6,000.00
19.	67100	Sft	Non Selective Weed Spray Under Asphalt	\$0.05	\$3,355.00
20.	14000	Syd	Slope Restoration	\$2.50	\$35,000.00
Contingencies					<u>\$39,127.60</u>
Construction Subtotal					<b>\$427,400.00</b>
Design Survey					\$9,700.00
Design Engineering					\$29,900.00
Construction Administration, Staking, Inspection, & Material Testing					<u>\$51,200.00</u>
<b>TOTAL PRELIMINARY ESTIMATE OF COST</b>					<b>\$518,200.00</b>

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**2.20 miles**  
**PRELIMINARY ESTIMATE OF COST**  
**MULTI-USE PATH**  
**PLAINFIELD TOWNSHIP**  
**IOSCO COUNTY, MICHIGAN**  
**PHASE 2 - M-65 FROM HALE SCHOOLS TO WILD CHERRY LANE**

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1	LSUM	Mobilization, Max. _____	\$59,900.00	\$59,900.00
2.	0.6	Acre	Clearing	\$6,500.00	\$3,900.00
3.	500	Ft	Curb and Gutter, Rem	\$7.00	\$3,500.00
4.	100	Syd	Pavt, Rem	\$10.00	\$1,000.00
5.	2200	Cyd	Embankment, CIF	\$10.00	\$22,000.00
6.	90	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,800.00
7.	6	Ea	Erosion Control, Sediment Trap	\$150.00	\$900.00
8.	11631	Ft	Erosion Control, Silt Fence	\$2.00	\$23,262.00
9.	750	Syd	Approach, CI I, 6 inch	\$12.00	\$9,000.00
10.	450	Syd	Approach, CI II, 6 inch	\$10.00	\$4,500.00
11.	20	Ea	Culv End Sect, 12 inch	\$325.00	\$6,500.00
12.	200	Ft	Culv, CI A, 12 inch	\$50.00	\$10,000.00
13.	650	Syd	HMA Surface, Rem	\$7.00	\$4,550.00
14.	160	Ton	HMA Approach	\$120.00	\$19,200.00
15.	100	Syd	Driveway, Nonreinf Conc, 6 incl	\$60.00	\$6,000.00
16.	500	Ft	Curb and Gutter, Conc, Det B2	\$25.00	\$12,500.00
17.	80	Ft	Detectable Warning Surface	\$40.00	\$3,200.00
18.	11631	Ft	Shared Use Path, Grading	\$7.70	\$89,558.70
19.	1600	Ton	Shared Use Path, HMA	\$82.00	\$131,200.00
20.	14300	Syd	Shared Use Path, Aggregate, 8 incl	\$10.00	\$143,000.00
21.	16	Ea	Permanent Traffic Sign	\$150.00	\$2,400.00
22.	160	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswall	\$2.75	\$440.00
23.	1	LSUM	Maintaining Traffic	\$17,500.00	\$17,500.00
24.	200	Syd	Riprap, Plain	\$60.00	\$12,000.00
25.	128000	Sft	Non Selective Weed Spray Under Asphal	\$0.05	\$6,400.00
26.	26000	Syd	Slope Restoration	\$2.50	\$65,000.00
Contingencies					<u>\$66,289.30</u>
Construction Subtotal					<b>\$725,500.00</b>
Design Survey					\$13,200.00
Design Engineering					\$50,600.00
Construction Administration, Staking, Inspection, & Material Testin					<u>\$86,700.00</u>
<b>TOTAL PRELIMINARY ESTIMATE OF COST</b>					<b>\$876,000.00</b>

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1.79 miles  
**PRELIMINARY ESTIMATE OF COST**  
**MULTI-USE PATH**  
**PLAINFIELD TOWNSHIP**  
**IOSCO COUNTY, MICHIGAN**  
**PHASE 3 - KOKOSING ROAD AND M-65 FROM LOON LAKE PARK TO SLOSSER ROAD**

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1	LSUM	Mobilization, Max. _____	\$64,000.00	\$64,000.00
2.	0.3	Acre	Clearing	\$6,500.00	\$1,950.00
3.	1800	Cyd	Embankment, CIP	\$10.00	\$18,000.00
4.	75	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,500.00
5.	5	Ea	Erosion Control, Sediment Trap	\$150.00	\$750.00
6.	9455	Ft	Erosion Control, Silt Fence	\$2.00	\$18,910.00
7.	400	Syd	Approach, CI II, 6 inch	\$10.00	\$4,000.00
8.	16	Ea	Culv End Sect, 12 inch	\$325.00	\$5,200.00
9.	160	Ft	Culv, CI A, 12 inch	\$50.00	\$8,000.00
10.	1	LSUM	Pedestrian Boardwalk, 14' wide, 150' length	\$200,000.00	\$200,000.00
11.	9455	Ft	Shared Use Path, Grading	\$7.70	\$72,803.50
12.	1300	Ton	Shared Use Path, HMA	\$82.00	\$106,600.00
13.	11600	Syd	Shared Use Path, Aggregate, 8 inch	\$10.00	\$116,000.00
14.	4	Ea	Permanent Traffic Signs	\$150.00	\$600.00
15.	100	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	\$2.75	\$275.00
16.	1	LSUM	Maintaining Traffic	\$18,600.00	\$18,600.00
17.	150	Syd	Riprap, Plain	\$60.00	\$9,000.00
18.	104000	Sft	Non Selective Weed Spray Under Asphal	\$0.05	\$5,200.00
19.	21000	Syd	Slope Restoration	\$2.50	\$52,500.00
Contingencies					<u>\$71,011.50</u>
Construction Subtotal					<b>\$774,900.00</b>
Design Survey					\$11,800.00
Design Engineering					\$54,300.00
Construction Administration, Staking, Inspection, & Material Testing					<u>\$93,000.00</u>
<b>TOTAL PRELIMINARY ESTIMATE OF COST</b>					<b>\$934,000.00</b>

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1.59 miles  
**PRELIMINARY ESTIMATE OF COST**  
**MULTI-USE PATH**  
**PLAINFIELD TOWNSHIP**  
**IOSCO COUNTY, MICHIGAN**  
**PHASE 4 - ORA LAKE ROAD AND PUTNAM ROAD FROM M-65 TO WEBB ROAD**

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1	LSUM	Mobilization, Max. _____	\$125,000.00	\$125,000.00
2.	0.3	Acre	Clearing	\$6,500.00	\$1,950.00
3.	1500	Cyd	Embankment, CIP	\$10.00	\$15,000.00
4.	60	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,200.00
5.	4	Ea	Erosion Control, Sediment Trap	\$150.00	\$600.00
6.	7747	Ft	Erosion Control, Silt Fence	\$2.00	\$15,494.00
7.	600	Syd	Approach, CI II, 6 inch	\$10.00	\$6,000.00
8.	14	Ea	Culv End Sect, 12 inch	\$325.00	\$4,550.00
9.	140	Ft	Culv, CI A, 12 inch	\$50.00	\$7,000.00
10.	1	LSUM	Pedestrian Boardwalk, 14' wide, 650' length	\$866,000.00	\$866,000.00
11.	7747	Ft	Shared Use Path, Grading	\$7.70	\$59,651.90
12.	1050	Ton	Shared Use Path, HMA	\$82.00	\$86,100.00
13.	9500	Syd	Shared Use Path, Aggregate, 8 inch	\$10.00	\$95,000.00
14.	4	Ea	Permanent Traffic Signs	\$150.00	\$600.00
15.	60	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	\$2.75	\$165.00
16.	1	LSUM	Maintaining Traffic	\$36,400.00	\$36,400.00
17.	100	Syd	Riprap, Plain	\$60.00	\$6,000.00
18.	85300	Sft	Non Selective Weed Spray Under Asphal	\$0.05	\$4,265.00
19.	17500	Syd	Slope Restoration	\$2.50	\$43,750.00
Contingencies					<u>\$138,174.10</u>
Construction Subtotal					<b>\$1,512,900.00</b>
Design Survey					\$13,700.00
Design Engineering					\$105,900.00
Construction Administration, Staking, Inspection, & Material Testing					<u>\$181,500.00</u>
<b>TOTAL PRELIMINARY ESTIMATE OF COST</b>					<b>\$1,814,000.00</b>

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2.4 miles  
**PRELIMINARY ESTIMATE OF COST**  
**MULTI-USE PATH**  
**PLAINFIELD TOWNSHIP**  
**IOSCO COUNTY, MICHIGAN**

**PHASE 5 - WEBB ROAD AND WILSON CREEK FROM PUTNAM ROAD TO LAKESIDE BOULEVARD**

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1	LSUM	Mobilization, Max. _____	\$144,200.00	\$144,200.00
2.	2.8	Acre	Clearing	\$6,500.00	\$18,200.00
3.	2300	Cyd	Embankment, CIP	\$10.00	\$23,000.00
4.	90	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,800.00
5.	6	Ea	Erosion Control, Sediment Trap	\$150.00	\$900.00
6.	11972	Ft	Erosion Control, Silt Fence	\$2.00	\$23,944.00
7.	160	Syd	Approach, CI I, 6 inch	\$12.00	\$1,920.00
8.	500	Syd	Approach, CI II, 6 inch	\$10.00	\$5,000.00
9.	20	Ea	Culv End Sect, 12 inch	\$325.00	\$6,500.00
10.	200	Ft	Culv, CI A, 12 inch	\$50.00	\$10,000.00
11.	160	Syd	HMA Surface, Rem	\$7.00	\$1,120.00
12.	40	Ton	HMA Approach	\$120.00	\$4,800.00
13.	1	LSUM	Pedestrian Boardwalk, 14' wide, 700' length	\$910,000.00	\$910,000.00
14.	80	Ft	Detectable Warning Surface	\$40.00	\$3,200.00
15.	11972	Ft	Shared Use Path, Grading	\$7.70	\$92,184.40
16.	1600	Ton	Shared Use Path, HMA	\$82.00	\$131,200.00
17.	14700	Syd	Shared Use Path, Aggregate, 8 inch	\$10.00	\$147,000.00
18.	8	Ea	Permanent Traffic Signs	\$150.00	\$1,200.00
19.	1	LSUM	Maintaining Traffic	\$42,000.00	\$42,000.00
20.	200	Syd	Riprap, Plain	\$60.00	\$12,000.00
21.	131700	Sft	Non Selective Weed Spray Under Asphalt	\$0.05	\$6,585.00
22.	27000	Syd	Slope Restoration	\$2.50	\$67,500.00
Contingencies					<u>\$144,490.60</u>
Construction Subtotal					<b>\$1,586,700.00</b>
Design Survey					\$15,900.00
Design Engineering					\$111,000.00
Construction Administration, Staking, Inspection, & Material Testing					<u>\$190,400.00</u>
<b>TOTAL PRELIMINARY ESTIMATE OF COST</b>					<b>\$1,904,000.00</b>

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2.23 miles  
**PRELIMINARY ESTIMATE OF COST**  
**MULTI-USE PATH**  
**PLAINFIELD TOWNSHIP**  
**IOSCO COUNTY, MICHIGAN**  
**PHASE 6 - LONG LAKE ROAD FROM LAKESIDE BOULEVARD TO ROSE CITY ROAD**

Item No.	Estimated Quantity	Unit	Description	Unit Price	Amount
1.	1	LSUM	Mobilization, Max. _____	\$56,500.00	\$56,500.00
2.	2200	Cyd	Embankment, CIP	\$10.00	\$22,000.00
3.	90	Ft	Erosion Control, Check Dam, Stone	\$20.00	\$1,800.00
4.	6	Ea	Erosion Control, Sediment Trap	\$150.00	\$900.00
5.	11722	Ft	Erosion Control, Silt Fence	\$2.00	\$23,444.00
6.	150	Syd	Approach, CI I, 6 inch	\$12.00	\$1,800.00
7.	550	Syd	Approach, CI II, 6 inch	\$10.00	\$5,500.00
8.	20	Ea	Culv End Sect, 12 inch	\$325.00	\$6,500.00
9.	200	Ft	Culv, CI A, 12 inch	\$50.00	\$10,000.00
10.	150	Syd	HMA Surface, Rem	\$7.00	\$1,050.00
11.	40	Ton	HMA Approach	\$120.00	\$4,800.00
12.	1	LSUM	Pedestrian Boardwalk, 14' wide, 50' length	\$67,000.00	\$67,000.00
13.	40	Ft	Detectable Warning Surface	\$40.00	\$1,600.00
14.	11722	Ft	Shared Use Path, Grading	\$7.70	\$90,259.40
15.	1600	Ton	Shared Use Path, HMA	\$82.00	\$131,200.00
16.	14400	Syd	Shared Use Path, Aggregate, 8 inch	\$10.00	\$144,000.00
17.	8	Ea	Permanent Traffic Signs	\$150.00	\$1,200.00
18.	120	Ft	Pavt Mrkg, Ovly Cold Plastic, 6 inch, Crosswalk	\$2.75	\$330.00
19.	1	LSUM	Maintaining Traffic	\$16,500.00	\$16,500.00
20.	200	Syd	Riprap, Plain	\$60.00	\$12,000.00
21.	129000	Sft	Non Selective Weed Spray Under Asphalt	\$0.05	\$6,450.00
22.	26000	Syd	Slope Restoration	\$2.50	\$65,000.00
Contingencies					<u>\$56,710.60</u>
Construction Subtotal					<b>\$621,900.00</b>
Design Survey					\$11,000.00
Design Engineering					\$43,500.00
Construction Administration, Staking, Inspection, & Material Testing					<u>\$74,600.00</u>
<b>TOTAL PRELIMINARY ESTIMATE OF COST</b>					<b>\$751,000.00</b>