

**VILLAGE OF SARANAC LAKE BOARD OF TRUSTEES
REGULAR MEETING AGENDA 5:30PM
TUESDAY May 26, 2020
Roberts Rules of Order will be in Effect for this Meeting**

Join Zoom Meeting

<https://us02web.zoom.us/j/87944907253?pwd=N2xKYTFydWpkSVU3WmxtYXNWdXlsQT09>

Meeting ID: 879 4490 7253

Password: 429512

One tap mobile

+16468769923,,87944907253# US (New York)

+13126266799,,87944907253# US (Chicago)

Meeting ID: 879 4490 7253

Find your local number: <https://us02web.zoom.us/u/kdoFq7YxBP>

A. CALL TO ORDER PLEDGE OF ALLEGIANCE

B. ROLL CALL

C. AUDITING:

- a. Pay Vouchers
- b. Approve Minutes 5-11-2020

D. PUBLIC COMMENT PERIOD:

E. ITEMS FOR BOARD ACTION

BILL	47	2020	Authorize Santore's Fireworks Agreement
BILL	48	2020	Award Roof Bid Police Station
BILL	49	2020	Hire 2 Recruit Officers Gabrielle Beebe and Thomas Lauzon
BILL	50	2020	Provisionally Promote to Sergeant
BILL	51	2020	Climate Smart Communities Task Force Update Members
BILL	52	2020	SLLDC Village Contract

F. OLD BUSINESS:

Brandy Brook/Church Street, Payeville Road CDBG Grant
Beach Opening
COVID -19 Outreach
Census Update
Lake Flower Avenue and River Street Intersection Bicycle and Pedestrian Study

G. NEW BUSINESS:

H. ITEMS FOR DISCUSSION:

I. MOTION TO ADJOURN:

**RULES FOR PUBLIC HEARING COMMENTS AND
PUBLIC COMMENT
PERIOD OF MEETINGS**

- 1. Anyone may speak to the Village Board of Trustees during the public comment period of a public hearing or the public comment period of the meeting.**
- 2. As a courtesy we ask each speaker to give their name and address.**
- 3. Each speaker must be recognized by the chairperson before speaking.**
- 4. Individual public comment is limited to 5 minutes and may be shortened by the meeting chairperson.**
- 5. When a meeting is attended by a group of people who share the same or opposing views on a public comment topic, the chair may require that the group(s) designate not more than two spokespersons and limit the total time public comment to 5 minutes for each point of view or side of an issue.**
- 6. Individual time may not be assigned/given to another.**
- 7. A public hearing is meant to encourage resident comment and the expression of opinion, not a direct debate, nor should a commenter be intimidated by a village board rebuttal, therefore public hearings are limited to public comment and should a village response be asked by individuals the response shall be generally given after the public hearing during the village board regular meeting, or subsequently, by telephone or letter, unless factual in nature where the facts are fully known by staff, in which case a village official may respond.**
- 8. All remarks shall be addressed to the board as a body and not to any individual member thereof.**
- 9. Interested parties or their representatives may address the board at any time by written or electronic communications.**
- 10. Speakers shall observe the commonly accepted rules of courtesy, decorum, dignity and good taste.**

Please note- During the course of regular business, discussion and commentary is limited to board members and village staff only. We ask for this courtesy, for the board and staff to conduct their business and discussion without interruption. All village board members and staff are available after the conclusion of a meeting for one on one discussion.

REGULAR MEETING OF THE BOARD OF TRUSTEES
May 11, 2020

Meeting held publicly through Zoom.

The pledge of allegiance lead by Trustee Catillaz.

ROLL CALL FOR REGULAR MEETING: Present by Video: Mayor Clyde Rabideau
Trustees: Richard Shapiro by Video; Patrick Murphy, Thomas Catillaz and Melinda Little
Also present by Video: Village Manager, John Sweeney, Village Clerk Kareen Tyler,
Code Enforcement Officer Paul Blaine and Village Treasurer, Elizabeth Benson.

PUBLIC HEARING – Development Code Amendments Electric and communications utility standards
No one spoke

AUDITING:

Chair Rabideau called for a motion to approve payment for the 2020 budget \$165,462.29 voucher number 11043885 to 11043980 complete detail of these vouchers is attached and made part of these minutes.

Motion: Catillaz Second: Little

Roll Call: Catillaz: yes, Murphy: yes, Shapiro yes Little: yes

Chair Mayor Rabideau called for a motion to approve minute of April 27, 2020

Motion: Little Second: Shapiro

Roll Call: Catillaz: yes, Murphy: yes, Shapiro yes Little: yes

PUBLIC COMMENT PERIOD:

No one spoke

CORRESPONDENCE: Note from St. Luke's Church, April Police Report and NYCOM Letter

Chair Rabideau called for motion to accept and place on file the above referenced correspondence.

Motion: Catillaz Second: Little

Roll Call: Catillaz: yes, Murphy: yes, Shapiro yes Little: yes

ITEMS FOR BOARD ACTION:

Bill 44-2020 Authorize Santore's Fireworks Agreement

A copy of the bill is attached and made part of these minutes

Chair Mayor Rabideau called for a motion.

Motion: Murphy Second: Catillaz

Motion to TABLE: Shapiro Second: Murphy

Roll Call to TABLE: Catillaz: yes, Murphy: yes Shapiro yes Little: yes

Bill 45-2020 Approve Use of Streets and Roads Reserve

A copy of the bill is attached and made part of these minutes
Chair Mayor Rabideau called for a motion.

Motion: Shapiro Second: Little

Roll Call: Catillaz: yes, Murphy: yes, Shapiro yes Little: yes

Bill 46-2020 Extension of Tax Payment Dates

A copy of the bill is attached and made part of these minutes
Chair Mayor Rabideau called for a motion.

Motion: Shapiro Second: Murphy

Roll Call: Catillaz: yes, Murphy: yes, Shapiro yes Little: yes

OLD BUSINESS:

NEW BUSINESS:

Brandy Brook / Church Street Sewer Project

Payeville Road CDBG Grant

LED Lighting

Summer Events in Parks – 4th of July

Beach Opening

COVID-19 Outreach

Census Update

Total on water and sewer relevy

Dow Electric working nights downtown

MOTION TO ADJOURN

Chair Mayor Rabideau called for a motion to adjourn

Motion: Little Second: Catillaz

Roll Call: Catillaz: yes Murphy: yes Shapiro yes Little: yes

Respectfully submitted,
Kareen Tyler, Village Clerk

**Business of the Village Board
Village of Saranac Lake**

SUBJECT: Authorize Contract

DATE: 5-26-2020

DEPT OF ORIGIN: Village Manager

BILL # 47-2020

DATE SUBMITTED:

EXHIBITS: _____

APPROVED AS TO FORM:

Village Attorney

Village Administration

EXPENDITURE	AMOUNT	APPROPRIATION
REQUIRED \$10,000	BUDGETED	
Authorize agreement with Santore's World Famous Fireworks, LLC.		

MOVED BY: _____ SECONDED BY: _____

VOTE ON ROLL CALL:

MAYOR RABIDEAU _____

TRUSTEE SHAPIRO _____

TRUSTEE LITTLE _____

TRUSTEE CATILLAZ _____

TRUSTEE MURPHY _____

Whereas, Independence Day, commonly known as the Fourth of July, is a federal holiday in the United States commemorating the adoption of the Declaration of Independence on July 4, 1776, declaring independence from the Kingdom of Great Britain; and

Whereas, Independence Day is commonly associated with fireworks, parades, barbecues, carnivals, fairs, picnics, concerts, baseball games, family reunions, political speeches, ceremonies and various other public and private events celebrating the history, government, and traditions of the United States.

Whereas, The Village of Saranac Lake in keeping with these nationwide traditions will have a fireworks display for its citizenry; and,

Whereas, Santore's World Famous Fireworks, LLC, is able to provide fireworks on July 4, 2020 in the Village of Saranac Lake for \$10,000.

Now Therefore Be Resolved, The Village Manager is authorized to execute an agreement with Santore's World Famous Fireworks, LLC for 4th of July fireworks.

Contract

THIS CONTRACT ("Contract") is made on this 5th day of May, 2020, between SANTORE'S WORLD FAMOUS FIREWORKS, LLC, P.O. Box 687, Stillwater, NY 12170; hereinafter known as and designated as "SANTORE"; and Village of Saranac Lake, having an address of 39 Main Street, Suite 9, Saranac Lake, NY 12983, hereinafter known as and designated as "CLIENT."

WITNESSETH: For and in consideration of all mutual covenants and agreements hereinafter entered into, the Party and Parties hereinafter agree to a Contract as follows:

1. "SANTORE" agrees to furnish CLIENT a fireworks display in compliance with State and Local regulations and in accordance with the attached proposal attached hereto and made a part hereof.
 - A. Display Date: July 4, 2020.
 - B. Display Location: A designated area on a barge in Lake Flower.
 - C. Start Time of Display: 9:00 p.m.
 - D. Duration of Display: 15 - 20 minutes.

2. "SANTORE" agrees to pay all expenses for the freight and cartage for the said display, all necessary labor, equipment which shall include experienced and/or licensed Pyrotechnic Operators to discharge the said display in accordance with law.

3. "SANTORE" will provide proof of Workman's Compensation/Disability Insurance for its employees. 'SANTORE' also agrees to supply CLIENT insurance coverage in the amount of FIVE MILLION DOLLARS for public liability and/or property damage and vehicle insurance in the amount of FIVE MILLION DOLLARS. At least ten (10) days prior to the display date, "SANTORE" shall supply to CLIENT a Certificate of Insurance showing CLIENT as the Certificate Holder.

4. CLIENT will procure and/or provide the following
 - A) A safe and secure (as reasonably defined and approved by SANTORE and local officials) firing site which meets the minimum safety distance factors established by State and local laws and NFPA codes;
 - B) Police protection adequate to maintain said distance factors;
 - C) All necessary permits at own expense;
 - D) Sand (as required); N/A
 - E) Barges, tugs, and marine/barge insurance; (Main Barge supplied by Village)
 - F) Communications equipment; N/A
 - G) Security, including crowd control;
 - H) Standby fireman and equipment;
 - I) A safe and secure loading facility for set up of pyrotechnics;
 - J) Next day clean up(s) of site;

5. HOLD HARMLESS

CLIENT agrees to hold harmless **"SANTORE"** of all and any claims, legal fees incurred outside the operations or control of **"SANTORE."** **"SANTORE"** agrees to hold harmless **CLIENT** from all claims and legal fees incurred from the direct operations of **"SANTORE."** Any damage resulting from failure of **CLIENT** to procure and/or provide the above-listed items in part 4. shall be the sole responsibility of **CLIENT**, and no claim shall be made against **"SANTORE"**; this includes personal injury or damage to non-fire-resistant tents, motor vehicles, boats, vending carts, temporary or permanent structures, or other personal property. Furthermore, **"SANTORE"** is not liable for crowd behavior before, during, or after the display; it is the full responsibility of **CLIENT**.

6. POSTPONEMENT

Every reasonable effort will be made to conduct the display(s) despite weather. Should weather or other events prove unfavorable on the date listed in Section 1 (above), the display may, upon agreement of both parties, be postponed until next clear evening. Such postponement shall be decided upon and notice given **"SANTORE"** no later than one o'clock p.m. on the date listed on Section 1 (above). The future date will be mutually agreed upon by both parties which must be within one year of the July 4, 2020 as listed in Section 1 above.

7. CANCELLATION

If, due to inclement weather or other acts of **God**, the display(s) is (are) canceled without rescheduling, **CLIENT** agrees to pay **"SANTORE"** 50% of the total contract price forthwith upon cancellation. Should **CLIENT** cancel the contract unilaterally, for other reasons and without rescheduling, **CLIENT** agrees to pay **"SANTORE"** liquidated damages of 100% of the total contract price forthwith upon cancellation. In either case, the sum will be deducted from **CLIENT**'s paid deposit (see next paragraph), and **"SANTORE"** will refund the balance (if any) of said deposit within ten (10) working days. **If CLIENT reschedules the display within six (6) months of cancelled display date (July 3rd, 4th and 5th are blackout dates unless specifically agreed in writing by the parties); the above information is not applicable.**

8. PAYMENT

Notwithstanding anything to the contrary, the total cost to be paid by **CLIENT** is **\$10,000.00** for all matters relative to the pyrotechnic production(s) and display(s) under this agreement. Payment to be as follows: A 0% deposit is due upon signing of contract. The balance of the contract is due upon completion of the display. A service charge of 2% per month, compounded monthly, will be added to all accounts over 30 days past due. **CLIENT** agrees to pay attorney's fees and costs if **SANTORE** needs to retain an attorney to enforce collection of this account.

9. CLIENT agrees that any publicity, media coverage, announcements, and advertising shall name **SANTORE'S WORLD FAMOUS FIREWORKS, LLC**, as the primary Contractor for the said display.

10. CLIENT agrees and understands that this agreement is being entered to in Saratoga County, New York, and thus be construed in accordance with the laws of New York State. In the event of any dispute whatsoever with regard to the meaning, interpretation, and/or enforcement of this agreement, it will be decided in Saratoga County, New York.

SANTORE'S WORLD FAMOUS FIREWORKS, LLC
Jeffrey M. Ward 5.5.2020

By: *Jeffrey M. Ward*

John M. Sweeney, Village Manager
Village of Saranac Lake

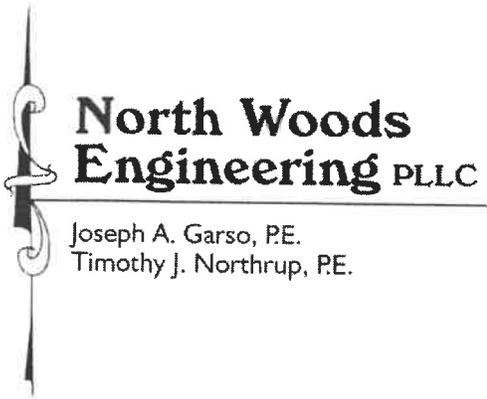
By: _____

Client Contact Information

Name: _____
Address: _____
Phone No.: _____
Cell Phone: _____
E-Mail _____

Representative for Date of Show

Name: _____
Cell Phone: _____
E-Mail _____



North Woods Engineering PLLC

Joseph A. Garso, P.E.
Timothy J. Northrup, P.E.

21 May 2020

Mr. John Sweeney
Village of Saranac Lake
39 Main Street
Saranac Lake, NY 12983

Subject: Police Station Roof Replacement – Recommendation of Award

Dear Mr. Sweeney,

The bid opening for the Police Station Roof Replacement project occurred on Tuesday, May 19th. The apparent low bidder was:

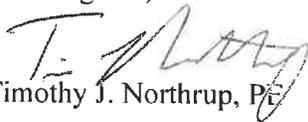
Mid-State Industries, LTD	Base Bid:	\$44,811.00
	Bid Alternate 1 – Gutter and Downspout Replacement	\$720.00

Prior to the award of the bid, a decision needs to be made by the Board regarding the Bid Alternate 1 – Gutter and Downspout Replacement. As soon as that decision is made, we will prepare a Notice of Award and the contracts.

We take no exception to awarding the contract to the apparent low bidder, as they are qualified to do the work and submitted a complete bid. Please note that one irregularity on the Mid-State bid form was noted. The unit price amount for Bid Item 4 was not filled in, only the total was provided. Our office confirmed via email with Mid-State that the unit price for Bid Item 4 is \$14.81/sf. See the attached email correspondence.

We look forward to continue to work with you and the Village on this project.

Best Regards,


Timothy J. Northrup, P.E.

Attachment

Village of Saranac Lake
 Police Station Roofing Bid

Company Name	Base Bid	Bid Alternates	Addenda 1	Addenda 2	Non-Collusion	Workers Comp	Schedule
JFP Enterprises	\$ 56,385.00	\$ 1,972.00	Yes	No	Yes	Yes	Yes
Murnane Builders	\$ 61,540.00	\$ 5,000.00	Yes	No	Yes	Yes	Yes
Titan Roofing	\$ 57,500.00	\$ 3,000.00	Not included	Not Included	Yes	Yes	No compliant
Mid State Industries	\$ 44,811.00	\$ 720.00	Yes	No	Yes	Yes	Yes

**Business of the Village Board
Village of Saranac Lake**

SUBJECT: Hire Two Recruit Position Police Department DATE: 5-26-2020

DEPT OF ORIGIN: Village Manager

BILL # 49-2020

DATE SUBMITTED:

EXHIBITS: _____

APPROVED AS TO FORM:

Village Attorney

Village Administration

EXPENDITURE
REQUIRED

AMOUNT
BUDGETED

APPROPRIATION

Hire Gabrielle Beebe and Thomas Lauzon as recruits for the police department. The Police Academy begins in July. It is a 5-month program, after graduation training continues with 3 months of field training.

MOVED BY: _____ SECONDED BY: _____

VOTE ON ROLL CALL:

MAYOR RABIDEAU

TRUSTEE SHAPIRO

TRUSTEE LITTLE

TRUSTEE CATILLAZ

TRUSTEE MURPHY

RESOLUTION AUTHORIZING THE VILLAGE MANAGER TO HIRE
TWO (2) RECRUIT OFFICERS WITHIN THE POLICE DEPARTMENT

WHEREAS, the Village of Saranac Lake has two opening Civil Service positions within the Police Department, Police Officers.

WHEREAS, The Chief of Police has recommended Gabrielle Beebe and Thomas Lauzon to be hired to fill the current full time positions of Police Officer, and,

WHEREAS, Gabrielle Beebe and Thomas Lauzon have passed the Civil Service Test and their appointment will be subject to their successful completion of a physical fitness test, medical examination and drug screening done through Franklin County Civil Service, and,

WHEREAS, Gabrielle Beebe and Thomas Lauzon will attend the police academy beginning July 6, 2020 in Plattsburg, NY, and

WHEREAS, Gabrielle Beebe and Thomas Lauzon will be hired probationary as per Civil Service, minimal 8 weeks up to the maximum of 26 weeks as needed, and,

WHEREAS, Benefits will be defined by the Police Benevolent Association Union Contract.

NOW, THEREFORE BE IT RESOLVED, The Village of Saranac Lake Board of Trustees authorizes the Village Manager to hire Gabrielle Beebe and Thomas Lauzon as per the Police Benevolent Association Union Contract as a Recruit/Academy with Civil Service Probation period of minimal 8 weeks up to the maximum of 26 weeks.

**Business of the Village Board
Village of Saranac Lake**

SUBJECT: Promote Provisionally to Sergeant DATE: 5-26-2020

DEPT OF ORIGIN: Village Manager BILL # 50-2020

DATE SUBMITTED: EXHIBITS: _____

APPROVED AS TO FORM:

Village Attorney

Village Administration

EXPENDITURE REQUIRED	AMOUNT BUDGETED	APPROPRIATION
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Promote Travis Labar provisionally to the position of Sergeant.

MOVED BY: _____ SECONDED BY: _____

VOTE ON ROLL CALL:

MAYOR RABIDEAU _____

TRUSTEE SHAPIRO _____

TRUSTEE LITTLE _____

TRUSTEE CATILLAZ _____

TRUSTEE MURPHY _____

RESOLUTION AUTHORIZING THE VILLAGE MANAGER TO APPOINT
TRAVIS LABAR TO THE POSITION OF SERGEANT WITHIN THE POLICE DEPARTMENT

WHEREAS, the Village of Saranac Lake has a Civil Service position within the Police Department for Sergeant, and,

WHEREAS, The chief of Police has recommended Patrolman Travis LaBar for a provisional promotion to Sergeant, and,

WHEREAS, the salary and benefits will be defined by the PBA Union Contract.

NOW, THEREFORE BE IT RESOLVED, The Village of Saranac Lake Board of Trustees authorizes the Village Manager to promote Patrolman Travis LaBar to the position of Sergeant with the customary 8-26 weeks probation period.

**Business of the Village Board
Village of Saranac Lake**

SUBJECT: CSC Task Force

Date: 05/26/20

DEPT OF ORIGIN: Trustee Murphy

Bill # 51-2020

DATE SUBMITTED: 05/21/20

EXHIBITS: Letters

APPROVED AS TO FORM:

Village Attorney

Village Administration

EXPENDITURE
REQUIRED: \$

AMOUNT
BUDGETED: \$

APPROPRIATION
REQUIRED: \$

SUMMARY STATEMENT:

A resolution to update the members of the Saranac Lake Climate Smart Communities Task Force and reappoint the current Task Force Coordinator.

MOVED BY: _____ SECONDED BY: _____

VOTE ON ROLL CALL:

MAYOR RABIDEAU _____

TRUSTEE SHAPIRO _____

TRUSTEE MURPHY _____

TRUSTEE CATILLAZ _____

TRUSTEE LITTLE _____

Revised Membership List for CSC Task Force:

Erin Griffin

*Climate and Communities Coordinator, The Wild Center
Chairperson and Climate Smart Community Coordinator*

Patrick Murphy

Village Board Liaison

Katherine Glenn

Sustainability Coordinator, Paul Smith's College

Steve Dehond

Community Stakeholder, Tri-Lakes 350.org

Cedar Young

Saranac Lake High School Student

Tucker Jakobe

Saranac Lake High School Student

Kristel Guimara

Instructor, North Country Community College

Harry Gordon

Architect, US Green Building Council

Becca Halter

Community Stakeholder, Adirondack Land Trust

Carolyn Koestner

Community Stakeholder, Lake Placid Land Conservancy

Cassandra Hopkins

Village Staff Liaison

Jamie Konkoski

Village Staff Liaison

Dear Saranac Lake Village Board,

My name is Cedar Young and I've been working with the CSC Task Force for around a year. The CSC Task Force has taught me how a multitude of organizations can work together for a common cause and that everyone brings different skills to the table. As a young person I've been able to bring my knowledge of social media to create the task force's Instagram page and I've also brought the perspective of a young person to the discussion about our community's future. As someone who aspires to work in environmental policy, I've been learning so much from every member of the task force about how to maneuver within the realm of local government which is so important to creating change. I can't wait to continue working with this team and I hope you will consider me to become a voting member of the task force.

Thank you,

Cedar Young

Dear Saranac Lake Village Board,

I write to you today to ask to join the Climate Smart Communities Taskforce as a voting member.

As a new member of the Saranac Village Community, I moved here in January 2019, I was excited to learn that the village committed to acting on climate change by becoming a Climate Smart Community. I am even more thrilled at the opportunity to join the CSC Task Force and have a role in implementing these changes.

As a graduate of Skidmore's Environmental Science program, I have extensive knowledge about the impacts of climate change and strategies to adapt and mitigate climate change. My coursework and interests focused on urban planning and food system issues including walkability, zoning, energy efficiency, carbon sequestration, local food markets, and more. These interests combined with my desire to protect the natural and open spaces led me to a Fellowship with the City of Pittsburgh where I worked to engage citizens in protecting and caring for the city's greenways. This opportunity gave me great insight to the inner workings of government and how these policies set the stage for action, or in other cases inaction.

I now work for the Adirondack Land Trust as a Stewardship & GIS Specialist where we work to forever conserve the forests, farmlands, waters and wild places that advance the quality of life of our communities and the ecological integrity of the Adirondacks. I see working with the village and my community as an extension of this ethos.

I look forward to chance to enact change with my community and fight climate change from my home outwards.

Sincerely,
Becca Halter



Gordon + Gordon Architecture, LLC

5 September 2018

Village of Saranac Lake NY
Board of Trustees
39 Main Street, Suite 9
Saranac Lake, NY 12983
Attention: Patrick Murphy, Trustee

RE: Village of Saranac Lake Climate Smart Communities Task Force

Dear Trustee Murphy:

The Village of Saranac Lake Board of Trustees' decision to adopt the NYS Climate Smart Communities (CSC) Pledge is an excellent approach to increasing energy efficiency, reducing climate impacts, and improving community resiliency. As a Saranac Lake architect with a four-decade professional career of improving energy and environmental performance of buildings and communities, I respectfully request that I be considered for appointment as a member of the CSC Task Force.

I have met with the CSC Task Force and I believe that I can make a valuable contribution to its success based on my background and experience, some key elements of which are:

- US Green Building Council Upstate NY Board of Directors, current Vice Chair
- Green Business Certification, Inc. National Board of Directors, current Vice Chair
- National US GBC Board of Directors, founding Board Member
- American Institute of Architects, Committee On The Environment (COTE), Founding Member and 1995 Chairman
- USGBC LEED Green Building Standard - led project teams in the design of over three million square feet of LEED Certified projects
- Greening of the White House – led the team improving heating and cooling performance, recognized in a letter from President Bill Clinton

It would be an honor to assist the Village of Saranac Lake to achieve the CSC goals. Thank you for your consideration of my request.

Harry Gordon, FAIA, LEED Fellow

Dear Members of Saranac Lake Village Board,

I am writing you today to express my interest in becoming an official member of our Village's Climate Smart Community Committee. I have been attending the CSC's meetings for the past few months and have really enjoyed seeing the commitment that our Village has to mitigating climate change. I would now like to become more involved in in the Village's climate efforts and ask that you appoint me to the committee.

In addition to having a passion for combating climate change, I bring to the committee extensive educational and professional experience in the environmental field. I have a bachelor's degree in Environmental Science from Skidmore College and am a certified Master Composter and Recycler. Throughout my professional career, I have served in a variety of environmental positions, including assessing culverts to identify barriers to wildlife passage, teaching environmental education in NYC, and, working with the DEC on source water protection across New York. Currently, I work at a local land trust where I spend my time protecting land forever and educating members of our community.

Thank you for your time and consideration,

Carolyn Koestner

**Business of the Village Board
Village of Saranac Lake**

SUBJECT: SLLDC-Village Contract

Date: 05/26/20

DEPT OF ORIGIN: Trustee Murphy

Bill # 52-2020

DATE SUBMITTED: 05/21/20

EXHIBITS:

APPROVED AS TO FORM:

Village Attorney

Village Administration

EXPENDITURE
REQUIRED: \$5,000

AMOUNT
BUDGETED: \$5,000

APPROPRIATION
REQUIRED: \$

SUMMARY STATEMENT:

A resolution to renew the contract with the Saranac Lake Local Development Corporation.

MOVED BY: _____ SECONDED BY: _____

VOTE ON ROLL CALL:

MAYOR RABIDEAU _____

TRUSTEE SHAPIRO _____

TRUSTEE MURPHY _____

TRUSTEE CATILLAZ _____

TRUSTEE LITTLE _____

**CONTRACT BETWEEN THE VILLAGE OF SARANAC LAKE
AND
SARANAC LAKE LOCAL DEVELOPMENT CORPORATION
FOR
ECONOMIC DEVELOPMENT SERVICES**

THIS CONTRACT, entered this ____ day of _____, 20__ by and between the **Village of Saranac Lake** (herein called the “Village”) and the **Saranac Lake Local Development Corporation** (herein called “SLLDC”).

WHEREAS, the Village created the Saranac Lake Local Development Corporation to relieve and reduce unemployment; promote and provide additional and maximum employment; improve and maintain job opportunities; attract new industry; retain existing industries; and lessen the burdens of government; and

WHEREAS, the public objectives of the corporation are to apply for grants and loans to achieve its purposes; to acquire real or personal property, or interests therein, for use by others as industrial or manufacturing plants or commercial enterprises; and to foster and encourage the location or expansion of industrial or manufacturing plants and other commercial enterprises in the Village of Saranac Lake; and

WHEREAS, the Village has identified the need for revitalization of Saranac Lake commercial properties to enhance the visitor experience and promote Village businesses; and

WHEREAS, the Village seeks to support small businesses within the Village through loans and grants that will assist small businesses and provide incentives for the improvement of business properties within the Village; and

WHEREAS, funding and the commitment of voluntary time and effort will be necessary for the development and implementation of such a program; and

WHEREAS, the Village wishes to engage the SLLDC to seek funding for and to provide voluntary efforts in support of these economic development services in the interest of the people and businesses of Saranac Lake.

NOW, THEREFORE, it is agreed between the parties hereto that:

I. SCOPE OF SERVICE

SLLDC will be responsible for providing economic development services for the Village of Saranac Lake as follows:

1. The SLLDC shall coordinate with public and private partners, including but not limited to the Franklin County Industrial Development Agency, the Franklin County Local Development Corporation, Essex County Industrial Development Agency and private community and family foundations, regarding grant and financing opportunities that support business and community development within the Village.
2. The SLLDC will support the Village in assessing areas of opportunity related to grant and financing opportunities that are a result of the Downtown Revitalization Initiative’s Strategic Investment Plan.
3. The SLLDC will support the Village in accomplishing objectives related to various committees, task forces, and plans, including but not limited to the Climate Smart Community Task Force, the Arts and Culture Master Plan, and the Housing Task Force, where appropriate and in consultation with Village staff.
4. The SLLDC shall consider making other grant applications and will support and contribute to the Village’s efforts to obtain economic and community development grants and to promote economic development in the Village, including efforts to assist businesses with issues as it relates to the COVID-19 pandemic.

II. TERM OF CONTRACT

The period covered by this contract begins on the 1st day of June, 2020 and shall end on the 31st day of May, 2021.

III. PAYMENT

It is expressly agreed and understood that the total amount to be paid by the Village to the SLLDC under this contract for the specified services shall be \$5,000, which amount shall be payable on or before July 15, 2020.

IV. COMMUNICATIONS

All communication and details concerning this contract shall be directed to the following contract representatives:

Village	SLLDC
Jamie Konkoski Community Development Director Village of Saranac Lake 3 Main Street Saranac Lake, NY 12983 Tel: (518) 891-4150 Fax: (518) 891-5928 Email: comdev@saranaclakeny.gov	Patrick Murphy Chairman Saranac Lake Local Development Corporation 3 Main Street Saranac Lake, NY 12983 Tel: (518) 637-3612 Fax: Email: paulvancott@hotmail.com

V. SEVERABILITY

If any provision of this contract is held invalid, the remainder of the contract shall not be affected thereby and all other parts of this contract shall nevertheless be in full force and effect.

VI. ENTIRE AGREEMENT

This contract constitutes the entire agreement between the Village and SLLDC for the use of funds received under this contract and it supersedes all prior or contemporaneous communications and proposals, whether electronic, oral, or written between the Village and SLLDC with respect to this contract.

Date _____

IN WITNESS WHEREOF, the Parties have executed this contract as of the date first written above.

Village

SLLDC

By _____
Village Manager

By _____
Title _____



Capital of the Adirondacks

Village of Saranac Lake 39 Main Street, 2nd Floor Suite 9 • Saranac Lake, NY 12983-2294 • Phone: (518) 891-4150 • www.saranaclakeny.gov

Memorandum

To: Village Board

From: Kareen Tyler, Village Clerk

Date: May 24, 2020

Re: William Wallace Beach

The beach requires a staff of 10 lifeguards under normal circumstances. We currently have 4 lifeguards returning. These open positions are on the website, facebook, in the Adirondack Enterprise and the Lake Placid News. The Town of North Elba also has a shortage of lifeguards.

The Beach was opened from 10:30am to 6:30pm last year.

It will be necessary to keep a register this year of who is at the beach, time, date, with their names, contact information. This is a requirement of Franklin County Public Health. The information would be used in the event tracing is necessary. This may require additional staff.

Intersection Study Findings

**Lake Flower Avenue and River Street
Intersection Bicycle and Pedestrian Study**

Prepared for

Village of Saranac Lake

39 Main Street

Saranac Lake, New York 12983

Revision 1

May 2020

Barton & Loguidice

**Lake Flower Avenue and River Street Bicycle and Pedestrian Intersection Study
Village of Saranac Lake, Franklin & Essex Counties**

Intersection Study Findings

May 2020

**Prepared for
Village of Saranac Lake
29 Main Street
Village of Saranac Lake, New York 12983**

**Prepared by
Barton & Loguidice, D.P.C.
443 Electronics Parkway
Liverpool, New York 13088**



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- Attachment 1 - Typical Sections and Plan Sheets
- Attachment 2 - Turning Movement Counts
- Attachment 3 - Trip Generation & Distribution Assumptions
- Attachment 4 - NYSDOT Design Criteria
- Attachment 5 – Preliminary Intersection Study Review Comments
- Attachment 6 – Saranac Lake Trail Master Plan Excerpt
- Attachment 7 – Alternative #1 Anticipated Cost Estimate

EXECUTIVE SUMMARY

In 2013, the Village of Saranac Lake adopted and implemented the Village of Saranac Lake Bicycle and Pedestrian Trail Master Plan. This plan implements a sustainable model that integrates the inclusion of bicycle and pedestrian trail networks throughout the Village community. The plan results in a comprehensive bicycle and pedestrian trail network that will enhance the community livability through alternative transportation options, a network of open spaces, and promotion of a healthy active lifestyle. On August 8, 2016 the Village of Saranac Lake adopted their Complete Street Policy.

This Study is derived from the development of the Saranac Waterfront Lodge. This hotel and conference center is near the intersection of Lake Flower Avenue and River Street. Bicycle and pedestrian movements within this intersection are currently challenging and will become more complicated with the increased traffic volumes generated by this new destination attraction. The Lake Flower Avenue and River Street corridor is identified as a priority location in the Bicycle and Pedestrian Trail Master Plan. In accordance with the Village's Complete Street Policy, the Saranac Waterfront Lodge was required to sponsor this study to ensure bicycle and pedestrian mobility is accommodated through this corridor.

This study will review the level of service of this intersection and how well bicycles and pedestrians are integrated in traffic flow. Any proposed intersection improvements/reconfiguration should consider enhancing bicycle and pedestrian safety and connectivity. Several intersection alternative will be evaluated as summarized below:

1. Existing Conditions
 - Current study intersection conditions as a base line for further evaluation comparisons
2. T-Intersection Conditions
 - Reconfigured study intersection so that River Street aligns close to 90 degree's to Lake Flower Avenue
3. Roundabout Intersection
 - Reconfigured study intersection so that Lake Flower Avenue and River Street operate in accordance with the standards of a modern roundabout

1.0 EXISTING INTERSECTION SITE CONDITIONS & FIELD OBSERVATIONS

B&L performed a site visit to the study intersection on June 6, 2019 to review the overall existing intersection conditions and perform turning movement counts during the AM, Noon, and PM peak traffic periods. The study intersection of Lake Flower Avenue (NY-86), River Street (NY-86), and Brandy Brook Avenue is a 3-legged intersection with partial stop control enforced by signage on the eastbound, westbound, and southbound intersection movements (See Photo 1 below). Traffic moves freely through the intersection from the northbound approach and a channelized right turn lane on the eastbound approach allows users to freely merge southbound onto Lake Flower Ave. Lake Flower Avenue and Brandy Brook Avenue are two-lane roads whereas River Street features a travel lane in either direction, a two-way left turn lane median, and dedicated bicycle lanes. Typical sections are provided in the attachments of this memo detailing existing lane widths for each of the intersecting roadways. Of note, Lake Flower Avenue and River Street are state highways (New York State Route 86) maintained by the NYSDOT and have a NYSDOT functional classification of Urban Arterial. Brandy Brook Avenue is functionally classified as an Urban Collector. The NYSDOT has established standard design criteria for these functional classes which are included in the attachments of this memo. The speed limit for all intersection approaches is signed as 30 MPH. Sidewalks are provided on all legs of the intersection but curb ramps (with ADA detectable warning units) and a striped crosswalk are only present on the Brandy Brook Avenue approach.



Photo 1 – Existing Study Intersection Conditions

2.0 EVALUATION OF POTENTIAL INTERSECTION IMPROVEMENTS

The study intersection is currently configured to prioritize vehicular traffic. While sidewalks are provided on each of the intersection legs, there is only the one crosswalk. Similarly, dedicated bicycle lanes are provided on River Street but bicycle accommodations are not provided at the study intersection to transition users onto and off of these bike lanes. Proposed intersection reconfigurations or improvements to the existing intersection need to address adequate, safe, and convenient arrangement of bicycle and pedestrian facilities as described in the Village's Bicycle and Pedestrian Trail Master Plan while also maintaining acceptable levels of service for vehicles. To this point several preliminary intersection improvement alternatives have been developed. Plan sketches on aerial mapping and typical sections of these preliminary alternatives (and existing conditions) are included within the attachments of this memo. A summary of each alternative is provided below.

2.1. Alternative #1: Existing Intersection Improvements

This alternative consists of implementing bicycle and pedestrian improvements into the existing intersection configuration. Intersection traffic control would be maintained as it is today with the southbound and northbound movements flowing freely. There are substantial curb-to-curb pavement widths provided under existing conditions. These widths can be reapportioned with pavement striping to better accommodate bicyclists and pedestrians.

Key features of this alternative include the following:

- Revise striping on Lake Flower Avenue to feature shared-use travel lanes which would provide bicyclists access to either the bicycle lane on River Street or the proposed shared-use travel lanes along Brandy Brook Avenue; linking the bicycle network to the surrounding trail network.
- Revise striping on Brandy Brook Avenue to feature shared-use travel lanes linking the study intersection to the surrounding parks and trails network.
- Revise striping on River Street to extend the existing eastbound bike lane through the channelized right turn lane; providing bicyclists a defined space through this turn while also linking the River Street bicycle lane to the proposed shared-use travel lane on Lake Flower Ave.
 - Installation of additional bike lane signage identifying the striped bicycle lane ends as bicyclists head southbound onto Lake Flower Avenue.
 - Installation of bike lane signage heading westbound on River Street to transition bicyclists from Lake Flower Ave onto River Street's bicycle facilities.
- Expand the footprint of the existing curbed island to accommodate new concrete sidewalks and additional landscape/streetscape amenities (e.g. planters and pavers). Installation of a new striped crosswalk linking the River Street eastbound sidewalk onto the expanded raised curb island. New ADA-compliant curb ramps would be installed at this crossing to accommodate dismounted bicyclists and pedestrians.

- Installation of a new striped crosswalk linking the expanded raised curb island across Lake Flower Avenue. New ADA-compliant curb ramps would be installed at this crossing to accommodate dismounted bicyclists and pedestrians.
- Installation of advanced warning signage and yield striping per NMUTCD standards to alert motorists of the proposed crosswalks.
- Installation of a new curb ramp on the south side of River Street just prior to the channelized right turn lane. This curb ramp would allow bicyclists heading eastbound on River Street access to the sidewalk, where they would dismount and utilize the proposed crosswalks to navigate the intersection, providing access to Brandy Brook Ave. and the surrounding trail network. This curb ramp has the added benefit of providing an alternative route to less experienced bicyclist whom may not feel comfortable cycling alongside the channelized right turn lane.
 - Installation of signage directing bicyclist to dismount

2.2. Alternative #2: Intersection Reconfiguration

This alternative consists of reconfiguring the existing study intersection so that River Street aligns close to perpendicular with Lake Flower Avenue. In doing so pedestrian safety and mobility would be substantially increased. New, shorter crosswalks would be installed across all intersection legs. Bicyclists would traverse the intersection similar to motorists and stop control would be enforced on all intersection approaches (all-way stop control).

Key features of this alternative include the following:

- Full depth reconstruction of River Street to remove the existing channelized right turn lane and raised curb island.
 - Reconfiguring River Street's geometry to be more perpendicular to Lake Flower Ave.
 - Installation of a dedicated right turn only travel lane on River Street's eastbound approach.
 - Installation of new sidewalks, ADA-compliant curb ramps, and crosswalks linking River Street, Lake Flower Ave, and Brandy Brook Ave.
- Installation of new stop signs along River Street and Lake Flower Ave.
- Revise striping on Lake Flower Avenue to feature shared-use travel lanes which would provide bicyclist access to either the bicycle lane on River Street or the proposed shared-use travel lanes along Brand Brook Avenue; linking the bicycle network to the surrounding trail network.
- Revise striping on Brandy Brook Avenue to feature shared-use travel lanes linking the study intersection to the surrounding parks and trails network.
- Installation of additional bike lane signage along River Street indicating the beginning/end of the striped bike lane facilities.

2.3. Alternative #3: Roundabout Reconfiguration

This alternative consists of reconfiguring the existing study intersection for a modern single lane roundabout. In general, roundabouts have been shown to improve safety for all users while providing above average levels of service. Given Lake Flower Avenue and River Street are major thoroughfares between Saranac Lake and Lake Placid the roundabout would need to be designed to accommodate heavy vehicle traffic. The proposed roundabout shown in the attachments of this memo was designed to accommodate a standard tractor trailer (AASHTO Design Vehicle WB-40) without requiring drivers to utilize the interior truck apron. The resulting construction footprint is the largest of any of the alternatives considered. To avoid right-of-way impacts, the roundabout would more than likely require impacts to Pontiac Bay. In addition, driveways adjacent to the intersection would be impacted, namely NBT Bank and the Dormitory Authority. These impacts could potentially be reduced if the roundabout were designed such that heavy vehicles would need to use the interior truck turning apron to traverse the roundabout.

Key features of this alternative include the following:

- Full depth reconstruction of the study intersection in service of roundabout installation
 - Installation of raised curb splitter islands along each intersection approach.
 - Installation of new ADA-compliant curb and new striped crosswalks along each intersection approach.
 - Installation of new sidewalk along the south side of River Street linking River Street and Lake Flower Ave.
 - Installation of streetscape aesthetics
 - Vegetated roundabout interior island
 - Stamped & colored concrete truck turning apron
- Revise striping on Lake Flower Avenue to feature shared-use travel lanes which would provide bicyclist access to either the bicycle lane on River Street or the proposed shared-use travel lanes along Brand Brook Avenue; linking the bicycle network to the surrounding trail network.
- Revise striping on Brandy Brook Avenue to feature shared-use travel lanes linking the study intersection to the surrounding park and trails network.
- Installation of additional bike lane signage along River Street indicating the beginning/end of the striped bike lane facilities.

3.0 SARANAC WATERFRONT LODGE TRAFFIC IMPACTS

North Woods Engineering, PLLC, was retained by Saranac Lake Resort, LLC, to provide civil engineering design services for their new hotel and conference center located on Lake Flower Avenue just south of the study intersection. As part of their services, North Woods Engineering forecasted the amount of new trips the development would generate. Their analysis resulted in a total of 36 vehicle trips per hour being generated by the proposed hotel improvements. B&L performed an independent trip generation analysis as well to confirm these results. The Institute of Transportation Engineers (ITE) 9th Edition Trip Generation Manual provides trip generation estimates based on land use types. In this instance, land use code 330 (Resort Hotel) was found to most closely match the description of the proposed hotel/conference center improvements. The ITE trip generation manual provides AM & PM peak hour trip generation estimates based on the number of hotel rooms. The result was that the AM peak would be anticipated to generate 38 trips and the PM peak 48. These results closely matched the findings of North Woods Engineering. As such, we generally agree with their findings and proceeded to include their trip generation figures while performing Level of Service analyses on the proposed intersection alternatives.

4.0 LEVEL OF SERVICE ANALYSES

B&L collected intersection turning movement counts for the AM Peak Period (6:30am-9:30am), Noon Peak Period (11:00am-2:00pm), and the PM Peak Period (3:00pm-6:00pm) during the site visit on June 6, 2019. The results of these counts showed the AM Peak Hour to occur from 7:15am – 8:15am, the Noon Peak Hour to occur from 12:00pm-1:00pm, and the PM Peak Hour to occur from 4:00pm-5:00pm. Detailed turning movement count reports are included in the attachments of this memo. Peak hour data was used in combination with Synchro 9 traffic software to develop a Level of Service (LOS) analysis for each of the various intersection configurations. A LOS analysis characterizes operational conditions within a traffic stream and their perception by motorists and passengers. The description of individual levels of service characterize these operational conditions in terms of factors such as speed and travel time, freedom to maneuver, traffic interruptions, and comfort and convenience. The LOS for an unsignalized intersection is defined in terms of delay (seconds). LOS criteria is stated in terms of average stopped delay per vehicle and range from “A” to “F”. A LOS “D” or better is general considered acceptable. Table 1 below illustrates the intersection ratings for an unsignalized intersection based on the time of delay per vehicle.

**Table 1:
Level of Service (LOS) Criteria for Intersections**

LOS	Description	Delay in Seconds (Unsignalized)
A	Little or no delay	<= 10.0
B	Minor, Short delay	> 10 to 15
C	Average delay	> 15 to 25
D	Long, but acceptable delay	> 25 to 35
E	Long, Unacceptable delay	> 35 to 50
F	Long, Unacceptable delays	> 50

Tables 2, 3, and 4 below summarize the results of the Level of Service analysis for each of the proposed alternatives. Of note, the column defined as either AM/PM Peak Existing Conditions represents the current study intersection without the additional trips generated by the Saranac Waterfront Lodge included. However, the proposed alternatives analyzed each included the additional traffic generated by the Saranac Waterfront Lodge development to most accurately represent future conditions.

**TABLE 2:
LAKE FLOWER AVENUE & RIVER STREET INTERSECTION STUDY
LEVEL OF SERVICE RESULTS: AM PEAK ANALYSIS PERIOD**

	AM Peak Existing Conditions	AM Peak Null Alternative w/Pedestrian Improvements	AM Peak T-Intersection Geometric Layout Improvements	AM Peak Roundabout Improvements
EB Approach				
Thru Movement	12.3 (B)	12.4 (B)	9.4 (A)	13.5 (B)
Right Movement	3.4 (A)	3.4 (A)	46.4 (E)	
NB Approach				
Left Movement	1.5 (A)	1.5 (A)	34.7 (D)	9.2 (A)
Right Movement	0.7 (A)	0.7 (A)		
WB Approach				
Left Movement	11.5 (B)	11.5 (B)	13.9 (B)	8.1 (A)
Thru Movement	10.0 (A)	10.2 (B)		
Global LOS	3.8 (A)	3.8 (A)	35.9 (E)	11.1 (B)

**TABLE 3:
LAKE FLOWER AVENUE & RIVER STREET INTERSECTION STUDY
LEVEL OF SERVICE RESULTS: NOON PEAK ANALYSIS PERIOD**

	Noon Peak Existing Conditions	Noon Peak Null Alternative w/Pedestrian Improvements	Noon Peak T-Intersection Geometric Layout Improvements	Noon Peak Roundabout Improvements
EB Approach				
Thru Movement	14.5 (B)	14.5 (B)	9.7 (A)	13.8 (B)
Right Movement	3.9 (A)	3.9 (A)	72.5 (F)	
NB Approach				
Left Movement	1.8 (A)	1.7 (A)	99.4 (F)	12.9 (B)
Right Movement	1.0 (A)	1.0 (A)		
WB Approach				
Left Movement	16.5 (B)	16.5 (B)	13.2 (B)	9.3 (A)
Thru Movement	11.0 (B)	12.3 (B)		
Global LOS	3.9 (A)	3.9 (A)	75.3 (F)	13.0 (B)

**TABLE 4:
LAKE FLOWER AVENUE & RIVER STREET INTERSECTION STUDY
LEVEL OF SERVICE RESULTS: PM PEAK ANALYSIS PERIOD**

	PM Peak Existing Conditions	PM Peak Null Alternative w/Pedestrian Improvements	PM Peak T-Intersection Geometric Layout Improvements	PM Peak Roundabout Improvements
EB Approach				
Thru Movement	17.0 (B)	18.4 (B)	9.7 (A)	13.7 (B)
Right Movement	4.2 (A)	4.3 (A)	71.3 (F)	
NB Approach				
Left Movement	1.8 (A)	1.6 (A)	165.3 (F)	16.5 (C)
Right Movement	0.9 (A)	0.9 (A)		
WB Approach				
Left Movement	14.9 (B)	15.6 (B)	12.2 (B)	8.6 (A)
Thru Movement	11.0 (B)	11.7 (B)		
Global LOS	4.2 (A)	4.2 (A)	109.0 (F)	14.7 (B)

5.0 REVIEW OF ALTERNATIVES AND OTHER CONSIDERATIONS

To date, each of the proposed intersection alternatives and associated impacts have been preliminarily reviewed by the Village of Saranac Lake Development Board as well as the Village Parks and Trails Advisory Board. Input from their review has since been incorporated into the proposed alternatives. The specific review comments received are provided in the attachments of this memo.

Due to limited funding available to fully reconfigure the existing intersection, there is a need to summarize both a short-term bicyclist/pedestrian safety driven solution and a long-range network solution. Any proposed improvements to the study intersection shall meet the requirements of providing a safer, more comfortable and convenient connection between River Street and the proposed trail access on Brandy Brook Ave while maintaining an acceptable Level of Service for automobiles. Due to the resulting poor Level of Service, the T-intersection alternative has been dismissed as a feasible alternative and shall no longer be considered.

5.1. Long-Range Intersection Improvements

Of the remaining alternatives to be considered, the roundabout reconfiguration alternative (Alternative #3) best meets the Village's desired results for an intersection improvements project at this location. This alternative results in the greatest increase in bicyclist/pedestrian safety while maintaining minimal vehicle delay. This alternative would provide bicyclists and pedestrians alike access to the adjacent trail network. There are environmental and logistical obstacles that would need to be addressed for this alternative to be realized. Impacts to Pontiac Bay (Lake Flower) have yet to be fully evaluated but infill would most certainly be necessary to accommodate the footprint of a roundabout. Similarly, multiple driveways in proximity to the roundabout would be affected. Both River Street and Lake Flower Avenue are NYSDOT thoroughfares and as such the implementation of a roundabout would require coordination and approval from NYSDOT. A roundabout is also the most costly intersection improvement alternative. For these reasons Alternative #3 is suitable as a long-range intersection improvement project to be further evaluated in coordination with stakeholders and decision makers. Until such a time that funding can be secured, a short-term solution should be implemented as identified in the next section.

5.2. Short-Term Intersection Improvements

The study intersection has been identified for improvements in multiple Village plans dating back to 2004. As such, there is a growing sentiment that this intersection is long overdue for improvements. The primary outcome for any project at this intersection is to provide better bicycle and pedestrian accommodations. Constructing safety improvements under the existing intersection configuration is the most shovel-ready alternative. Alternative #1 identified above provides multiple enhancements to the existing intersection which not only improve bicycle/pedestrian safety but also offer opportunities for aesthetic enhancements. Alternative #1 is suggested as the best fit short-term solution.

5.2.1. Mid-Block Crossing at Winona Ave

An alternative to crossing pedestrians at the study intersection is to provide a new crosswalk at the intersection of Lake Flower Ave and Winona Ave. With no stop control along Lake Flower Ave this new crosswalk would operate as a mid-block crossing. Mid-block crossings can present safety concerns to pedestrians. The lack of a median combined with longer crossing distances results in longer pedestrian crossing times. Of note, pedestrians will rarely go out of their way to utilize a mid-block crosswalk unless

they are rewarded with a much improved crossing. Most will take the most direct route possible to get to their destination. In the scenario where a pedestrian is headed eastbound on River Street and wishes to cross Lake Flower Ave to Brandy Brook Ave it is more likely that the pedestrian would cross at the study intersection as opposed to Winona Ave. This mid-block crossing would also be situated between vehicles exiting the channelized right turn lane and vehicles entering/exiting the driveway for the Saranac Waterfront Lodge. These situations have the potential to leave drivers with limited perception reaction time and an increased need to focus on other drivers. The shortest pedestrian crossing distances can be achieved by installing new crosswalks at the existing study intersection. The existing raised curb island provides an opportunity to create a pedestrian refuge area between River Street and Lake Flower Ave. In addition, centralizing pedestrian movements at the study intersection creates a defined area where drivers can expect to encounter pedestrians. Advanced warning signs prior to the intersection could further serve to heighten driver awareness.

5.2.2. **Traffic Signal, HAWK Signal, RRFB Signal Considerations**

A fourth alternative which could improve pedestrian safety at the study intersection would be the installation of a traditional traffic signal featuring audible pedestrian signals. Audible pedestrian signals with hand/man symbols and countdown timers provide a safe, effective method for all types of pedestrians to navigate an intersection. A signal warrant analysis has not been performed at this time but based on the volumes observed during the turning movement counts it is unlikely the necessary signal warrants would be met. Furthermore, any form of traffic control on the movements which are free flowing under existing conditions would have a detrimental impact on the intersection Level of Service. As previously mentioned these movements have substantial volumes and are critical to the surrounding roadway network.

These critical vehicle movements/volumes would also be in direct opposition to the installation of a High-Intensity Activated Crosswalk (HAWK) Signal. HAWK signals are dedicated pedestrian signals which stop mainline traffic movements to allow pedestrians to cross the road. Any signalized interruption to the critical intersection movements would result in failing Levels of Service, similar to Alternative #2 (T-Intersection Alternative). HAWK signals also have the potential to be confusing to motorists. Particularly in areas where there are very few instances of them. Saranac Lake attracts seasonal motorists whom would be unfamiliar with a HAWK installation at this intersection.

Rectangular Rapid Flashing Beacons (RRFB) are another type of pedestrian-oriented signal to be considered. RRFB's can result in a heightened sense of driver awareness for pedestrians. RRFB's present signage similar to warning signage for a pedestrian crosswalk. Their advantage is that pedestrians can push a button which causes LED lights installed on the RRFB to flash in an irregular pattern, alerting motorists of

pedestrian traffic. A significant volume of pedestrian crossings at an intersection would warrant the installation of an RRFB. The effectiveness of RRFBs are an ongoing topic of research. While they provide enhanced awareness they also result in more visual clutter for drivers. Which is of particular concern for drivers navigating the channelized right turn lane under existing conditions.

6.0 NYSDOT REVIEW MEETING

A meeting was held on May 6, 2020 amongst The Village of Saranac Lake, B&L, and NYSDOT to discuss the results of this intersection study findings report and review the individual proposed alternatives. NYSDOT recognized the Village's desire to implement bicycle and pedestrian improvements at the study intersection, particularly with construction beginning on a rail-to-trail project linking Tupper Lake and Lake Placid beginning at the onset of the 2020 construction season. NYSDOT also recognized Alternative #3 as a potential long-term improvements project but voiced environmental concerns regarding the construction of a roundabout which would infill Pontiac Bay. These concerns were noted as only pertaining to the current proposed roundabout configuration shown in Alternative #3. The proposed roundabout could ultimately be reconfigured to be smaller, resulting in larger heavy vehicles needing to utilize the interior truck apron but having a smaller construction footprint with fewer impacts to adjacent facilities. Alternatives #1 and #2 were discussed as more immediate alternatives. NYSDOT proposed a modified Alternative #2 in which the study intersection would be reconfigured such that River Street and Lake Flower Avenue would be connected on a horizontal curve and Brandy Brook Avenue would tee into the east side of the curve. Under this scenario stop control would only be enforced on the Brandy Brook Avenue approach, allowing River Street and Lake Flower Avenue to flow freely. This specific iteration of Alternative #2 was evaluated during preliminary analysis of the intersection but later dismissed as it did not meet the overall project goal of providing adequate, safe, and convenient arrangement of bicycle and pedestrian facilities as described in the Village's Bicycle and Pedestrian Trail Master Plan. In specific, motorists would have limited sight distance throughout the horizontal curve to adequately react to bicycle and pedestrian movements within the reconfigured intersection. Alternative #1 was identified as the preferred short-term improvements project which will continue to be progressed by the Village of Saranac Lake.

7.0 PROJECT FUNDING

Project funding was discussed with NYSDOT staff at the May 6th review meeting. Currently, NYSDOT has no projects on the capital improvements program related to the study intersection or the State Route 86 corridor as a whole. Capital improvements funding is not anticipated for improvements to the Route 86 corridor for the foreseeable future. Pedestrian Safety Action Plan (PSAP) funding was also discussed. PSAP funding was identified as being limited throughout the state and is prioritized for locations where there is a history of quantifiable pedestrian accidents. Without substantial pedestrian accidents recorded at the study intersection PSAP funding is unlikely. In addition, NYSDOT previously reviewed traffic impacts resulting from the Saranac Waterfront Lodge and found the traffic generated to be too insignificant to warrant the developer to construct any mitigation or safety improvements along the

surrounding roadway network. Presently, there are no funding mechanisms through NYSDOT for which any of the proposed alternatives could be funded. Any proposed short-term improvements would be the responsibility of the Village of Saranac Lake to fund. An estimate of anticipated project costs for Alternative #1 is included in the attachment of this memo. Of note, this estimate excludes the installation of any streetscape amenities (e.g. brick pavers and landscape planters).

8.0 SUMMARY

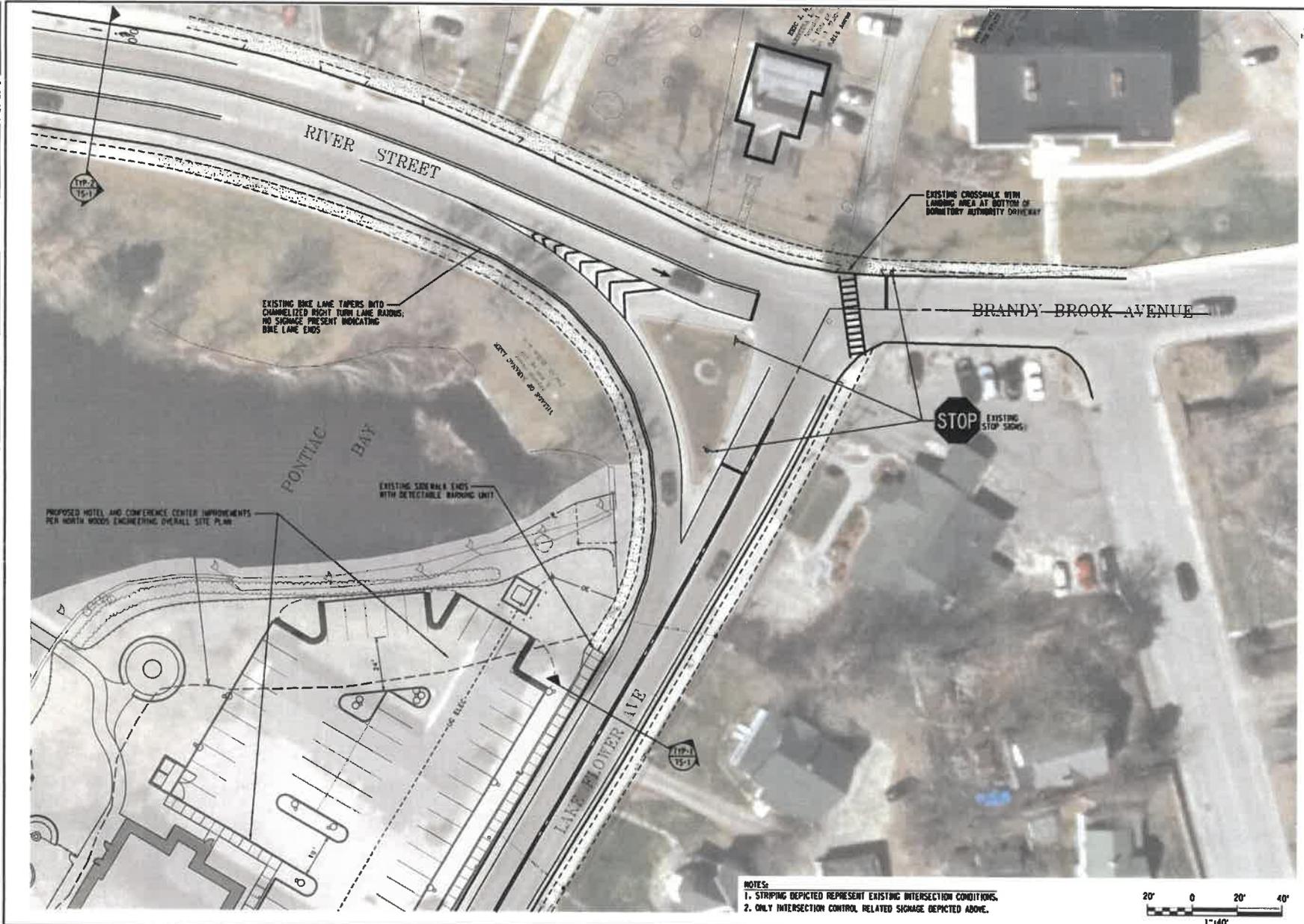
Overall, several intersection improvements alternatives have been evaluated. Level of Service analysis has shown that the existing intersection configuration operates exceptionally well, but provides the fewest benefits/considerations towards bicyclists and pedestrians. Conversely, the T-intersection alternative provides the most benefit to bicyclists and pedestrians but will result in substantial delays to motorists. The roundabout alternative provides both safety and operational benefits but will impact the adjacent businesses and Pontiac Bay. The design, permitting, and construction of a roundabout at this location is recognized as a potential long-range improvement project. In advance of a long-term solution, interim modifications could be made to the existing intersection configuration to meet current community needs. These modifications would have minimal impact to the intersection's vehicular efficiency and would provide substantial safety improvements.

ATTACHMENT NO. 1

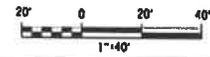
TYPICAL SECTIONS AND PLAN SHEETS

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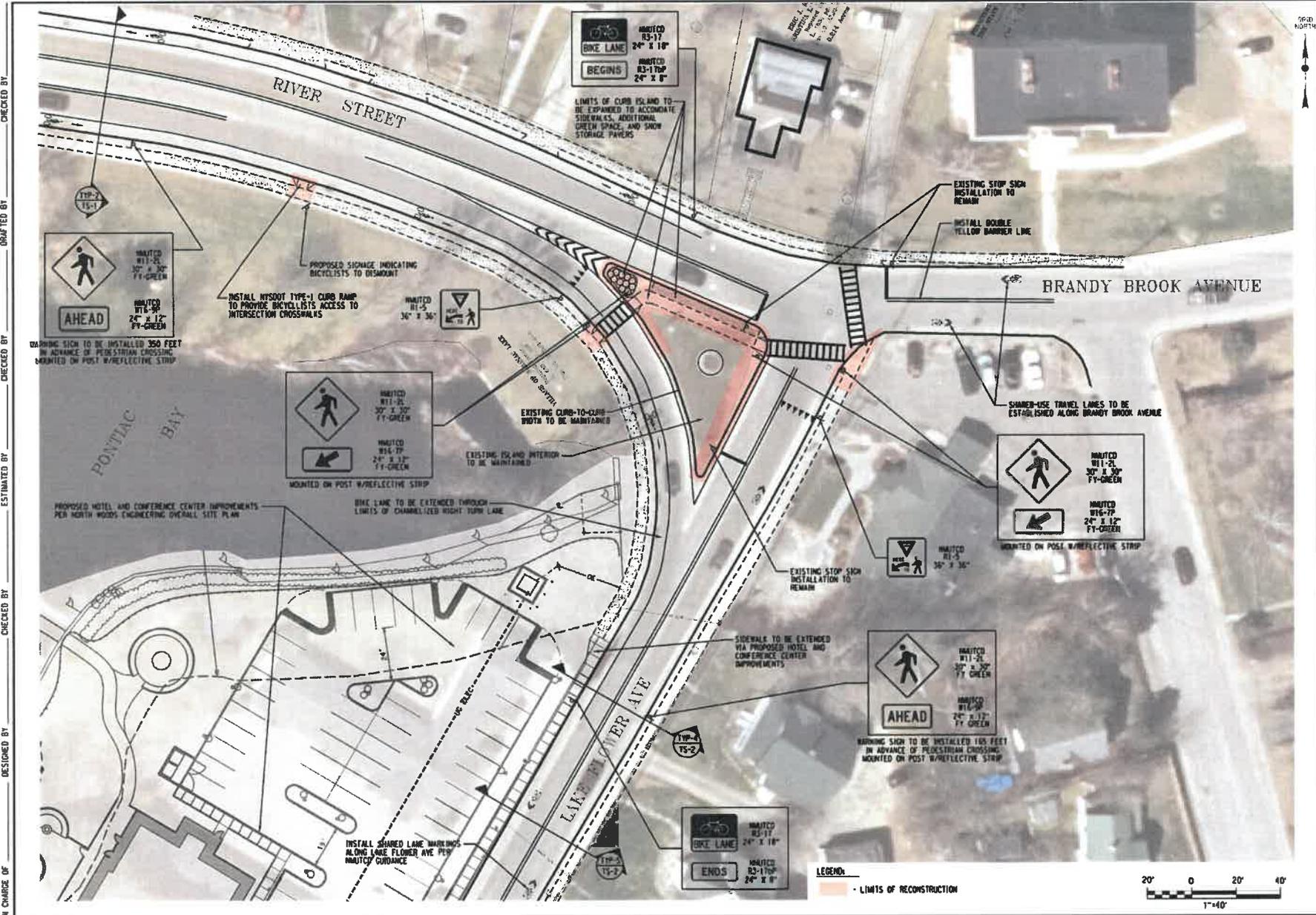
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 1. STRIPING DEPICTED REPRESENT EXISTING INTERSECTION CONDITIONS.
 2. ONLY INTERSECTION CONTROL RELATED SIGNAGE DEPICTED ABOVE.



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			UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 145 SECTION 7260
LAKE FLOWER AVE. & RIVER ST. INTERSECTION STUDY		VILLAGE OF SARANAC LAKE	
EXISTING INTERSECTION CONDITIONS		SCALE: AS SHOWN	
		DATE ISSUED: 11/2019	
		DRAWING EX-1	

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 TIME: 11:01:12 PM

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NO.	DATE	BY	REVISION



VILLAGE OF SARANAC LAKE

Barton & Jorgidice

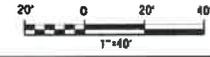
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LAKE FLOWER AVE. & RIVER ST.
 INTERSECTION STUDY

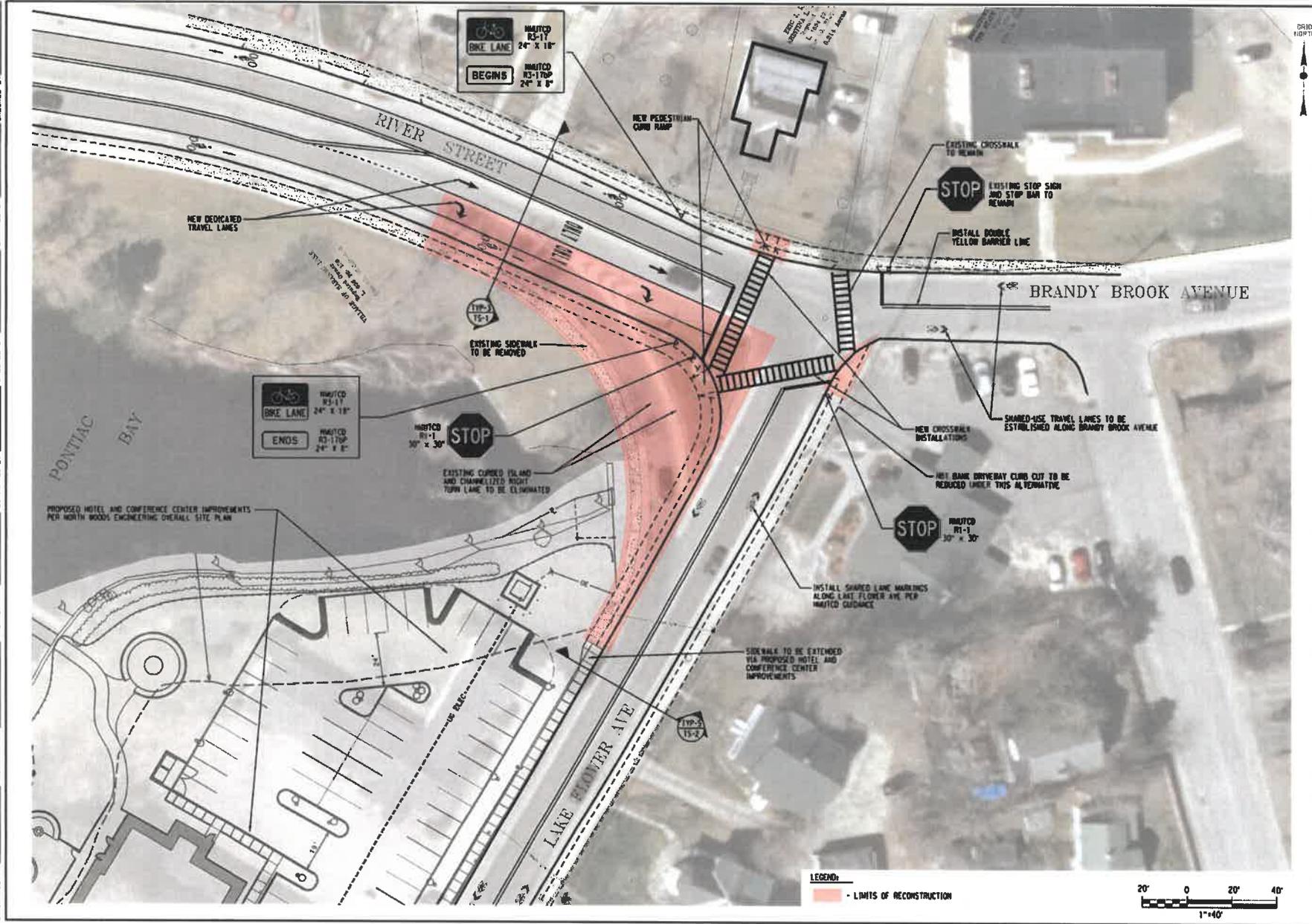
VILLAGE OF SARANAC LAKE

ALTERNATIVE #1:
 EXISTING
 INTERSECTION
 IMPROVEMENTS

SCALE: AS SHOWN
 DATE ISSUED: 11/2019
 DRAWING: PL-1



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Barton & Loguidice	
UNAUTHORIZED ALTERATION OR ADDITION TO THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW ARTICLE 146 SECTION 7209	
LAKE FLOWER AVE. & RIVER ST. INTERSECTION STUDY	VILLAGE OF SARACAC LAKE
ALTERNATIVE #2: T-INTERSECTION LAYOUT PLAN	
SCALE: AS SHOWN DATE ISSUED: 11/2018 DRAWING	
T-1	

ATTACHMENT NO. 2

TURNING MOVEMENT COUNTS

Barton & Loguidice, D.P.C.

VILLAGE OF SARANAC LAKE - LAKE FLOWER AVE & RIVER STREET INTERSECTION STUDY

234.036.001

Lake Flower Ave & River St - AM Peak

Saranac Lake, New York

File Name : 06-06-19 AM Counts

Site Code : 00000021

Start Date : 6/6/2019

Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

Start Time	From North					River St From East					Lake Flower Ave From South					River St From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
06:30 AM	0	0	0	0	0	0	13	29	0	42	4	0	33	0	37	102	12	0	0	114	193
06:45 AM	0	0	0	0	0	0	3	22	0	25	7	0	47	0	54	91	7	0	0	98	177
Total	0	0	0	0	0	0	16	51	0	67	11	0	80	0	91	193	19	0	0	212	370
07:00 AM	0	0	0	0	0	0	7	14	0	21	8	0	63	0	71	92	4	0	0	96	188
07:15 AM	0	0	0	0	0	0	24	16	0	40	6	0	91	0	97	104	13	0	0	117	254
07:30 AM	0	0	0	0	0	0	21	14	0	35	8	0	98	0	106	139	10	0	0	149	290
07:45 AM	0	0	0	0	0	0	13	21	0	34	21	0	92	0	113	134	11	0	0	145	292
Total	0	0	0	0	0	0	65	65	0	130	43	0	344	0	387	469	38	0	0	507	1024
08:00 AM	0	0	0	0	0	0	21	12	0	33	19	0	85	0	104	102	10	0	0	112	249
08:15 AM	0	0	0	0	0	0	4	14	0	18	16	0	90	0	106	103	13	0	0	116	240
08:30 AM	0	0	0	0	0	0	9	11	0	20	13	0	103	0	116	134	16	0	0	150	286
08:45 AM	0	0	0	0	0	0	8	14	0	22	19	0	110	0	129	96	5	0	0	101	252
Total	0	0	0	0	0	0	42	51	0	93	67	0	388	0	455	435	44	0	0	479	1027
09:00 AM	0	0	0	0	0	0	11	23	0	34	9	0	88	0	97	119	12	0	0	131	262
09:15 AM	0	0	0	0	0	0	9	17	0	26	9	0	82	0	91	97	10	0	0	107	224
Grand Total	0	0	0	0	0	0	143	207	0	350	139	0	982	0	1121	1313	123	0	0	1436	2907
Apprch %	0	0	0	0	0	0	40.9	59.1	0		12.4	0	87.6	0		91.4	8.6	0	0		
Total %	0	0	0	0	0	0	4.9	7.1	0	12	4.8	0	33.8	0	38.6	45.2	4.2	0	0	49.4	
Unshifted	0	0	0	0	0	0	133	199	0	332	132	0	931	0	1063	1252	108	0	0	1360	2755
% Unshifted	0	0	0	0	0	0	93	96.1	0	94.9	95	0	94.8	0	94.8	95.4	87.8	0	0	94.7	94.8
Bank 1	0	0	0	0	0	0	10	6	0	16	6	0	40	0	46	54	13	0	0	67	129
% Bank 1	0	0	0	0	0	0	7	2.9	0	4.6	4.3	0	4.1	0	4.1	4.1	10.6	0	0	4.7	4.4
Bank 2	0	0	0	0	0	0	0	2	0	2	1	0	11	0	12	7	2	0	0	9	23
% Bank 2	0	0	0	0	0	0	0	1	0	0.6	0.7	0	1.1	0	1.1	0.5	1.6	0	0	0.6	0.8

Barton & Loguidice, D.P.C.

VILLAGE OF SARANAC LAKE - LAKE FLOWER AVE & RIVER STREET INTERSECTION STUDY

234.036.001

Lake Flower Ave & River St - AM Peak
Saranac Lake, New York

File Name : 06-06-19 AM Counts

Site Code : 00000021

Start Date : 6/6/2019

Page No : 2

Start Time	From North					River St From East					Lake Flower Ave From South					River St From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 06:30 AM to 09:15 AM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 07:15 AM																					
07:15 AM	0	0	0	0	0	0	24	16	0	40	6	0	91	0	97	104	13	0	0	117	254
07:30 AM	0	0	0	0	0	0	21	14	0	35	8	0	98	0	106	139	10	0	0	149	290
07:45 AM	0	0	0	0	0	0	13	21	0	34	21	0	92	0	113	134	11	0	0	145	292
08:00 AM	0	0	0	0	0	0	21	12	0	33	19	0	85	0	104	102	10	0	0	112	249
Total Volume	0	0	0	0	0	0	79	63	0	142	54	0	366	0	420	479	44	0	0	523	1085
% App. Total	0	0	0	0	0	0	55.6	44.4	0		12.9	0	87.1	0		91.6	8.4	0	0		
PHF	.000	.000	.000	.000	.000	.000	.823	.750	.000	.888	.643	.000	.934	.000	.929	.862	.846	.000	.000	.878	.929

Barton & Loguidice, D.P.C.

VILLAGE OF SARANAC LAKE - LAKE FLOWER AVE & RIVER STREET INTERSECTION STUDY

234.036.001

Lake Flower Ave & River St - Noon Peak

Saranac Lake, New York

File Name : 06-06-19 Noon Counts

Site Code : 00000022

Start Date : 6/6/2019

Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

Start Time	From North					River St From East					Lake Flower Ave From South					River St From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
11:00 AM	0	0	0	0	0	0	7	13	0	20	16	1	129	0	146	100	8	0	0	108	274
11:15 AM	0	0	0	0	0	0	13	8	0	21	15	0	126	0	141	114	12	0	0	126	288
11:30 AM	0	0	0	0	0	0	9	9	0	18	17	0	99	0	116	107	11	0	0	118	252
11:45 AM	0	0	0	0	0	0	11	18	0	29	20	0	101	0	121	127	15	0	0	142	292
Total	0	0	0	0	0	0	40	48	0	88	68	1	455	0	524	448	46	0	0	494	1106
12:00 PM	0	0	0	0	0	0	14	12	0	26	16	0	123	0	139	152	18	0	0	170	335
12:15 PM	0	0	0	0	0	0	13	7	0	20	18	0	141	0	159	138	17	0	0	155	334
12:30 PM	0	0	0	0	0	0	14	10	0	24	15	0	119	0	134	144	9	0	0	153	311
12:45 PM	0	0	0	0	0	0	22	14	0	36	18	0	116	0	134	134	7	0	0	141	311
Total	0	0	0	0	0	0	63	43	0	106	67	0	499	0	566	568	51	0	0	619	1291
01:00 PM	0	0	0	0	0	0	8	15	0	23	12	0	101	0	113	121	23	0	0	144	280
01:15 PM	0	0	0	0	0	0	8	16	0	24	19	0	104	0	123	123	7	0	0	130	277
01:30 PM	0	0	0	0	0	0	13	11	0	24	17	0	156	0	173	143	14	0	0	157	354
01:45 PM	0	0	0	0	0	0	17	17	0	34	18	0	109	0	127	133	12	0	0	145	306
Total	0	0	0	0	0	0	46	59	0	105	66	0	470	0	536	520	56	0	0	576	1217
Grand Total	0	0	0	0	0	0	149	150	0	299	201	1	1424	0	1626	1536	153	0	0	1689	3614
Apprch %	0	0	0	0	0	0	49.8	50.2	0		12.4	0.1	87.6	0		90.9	9.1	0	0		
Total %	0	0	0	0	0	0	4.1	4.2	0	8.3	5.6	0	39.4	0	45	42.5	4.2	0	0	46.7	
Unshifted	0	0	0	0	0	0	140	143	0	283	189	1	1362	0	1552	1477	144	0	0	1621	3456
% Unshifted	0	0	0	0	0	0	94	95.3	0	94.6	94	100	95.6	0	95.4	96.2	94.1	0	0	96	95.6
Bank 1	0	0	0	0	0	0	9	5	0	14	12	0	53	0	65	47	9	0	0	56	135
% Bank 1	0	0	0	0	0	0	6	3.3	0	4.7	6	0	3.7	0	4	3.1	5.9	0	0	3.3	3.7
Bank 2	0	0	0	0	0	0	0	2	0	2	0	0	9	0	9	12	0	0	0	12	23
% Bank 2	0	0	0	0	0	0	0	1.3	0	0.7	0	0	0.6	0	0.6	0.8	0	0	0	0.7	0.6

Barton & Loguidice, D.P.C.

VILLAGE OF SARANAC LAKE - LAKE FLOWER AVE & RIVER STREET INTERSECTION STUDY

234.036.001

Lake Flower Ave & River St - Noon Peak
Saranac Lake, New York

File Name : 06-06-19 Noon Counts

Site Code : 00000022

Start Date : 6/6/2019

Page No : 2

Start Time	From North					River St From East					Lake Flower Ave From South					River St From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 11:00 AM to 01:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 12:00 PM																					
12:00 PM	0	0	0	0	0	0	14	12	0	26	16	0	123	0	139	152	18	0	0	170	335
12:15 PM	0	0	0	0	0	0	13	7	0	20	18	0	141	0	159	138	17	0	0	155	334
12:30 PM	0	0	0	0	0	0	14	10	0	24	15	0	119	0	134	144	9	0	0	153	311
12:45 PM	0	0	0	0	0	0	22	14	0	36	18	0	116	0	134	134	7	0	0	141	311
Total Volume	0	0	0	0	0	0	63	43	0	106	67	0	499	0	566	568	51	0	0	619	1291
% App. Total	0	0	0	0	0	0	59.4	40.6	0		11.8	0	88.2	0		91.8	8.2	0	0		
PHF	.000	.000	.000	.000	.000	.000	.716	.768	.000	.736	.931	.000	.885	.000	.890	.934	.708	.000	.000	.910	.963

Barton & Loguidice, D.P.C.

VILLAGE OF SARANAC LAKE - LAKE FLOWER AVE & RIVER STREET INTERSECTION STUDY

234.036.001

Lake Flower Ave & River St - PM Peak

Saranac Lake, New York

File Name : 06-06-19 PM Counts

Site Code : 00000023

Start Date : 6/6/2019

Page No : 1

Groups Printed- Unshifted - Bank 1 - Bank 2

Start Time	From North					River St From East					Lake Flower Ave From South					River St From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
03:00 PM	0	0	0	0	0	0	16	10	0	26	26	0	146	0	172	139	12	0	0	151	349
03:15 PM	0	0	0	0	0	0	16	13	0	29	19	0	133	0	152	147	15	0	0	162	343
03:30 PM	0	0	0	0	0	0	15	8	0	23	20	0	139	0	159	158	17	0	0	175	357
03:45 PM	0	0	0	0	0	0	19	11	0	30	20	0	140	0	160	153	12	0	0	165	355
Total	0	0	0	0	0	0	66	42	0	108	85	0	558	0	643	597	56	0	0	653	1404
04:00 PM	0	0	0	0	0	0	16	11	0	27	24	0	136	0	160	146	17	0	0	163	350
04:15 PM	0	0	0	0	0	0	9	12	0	21	27	0	147	0	174	155	20	0	0	175	370
04:30 PM	0	0	0	0	0	0	16	12	0	28	24	0	149	0	173	147	21	0	0	168	369
04:45 PM	0	0	0	0	0	0	13	6	0	19	20	0	161	0	181	151	17	0	0	168	368
Total	0	0	0	0	0	0	54	41	0	95	95	0	593	0	688	599	75	0	0	674	1457
05:00 PM	0	0	0	0	0	0	12	16	0	28	16	0	127	0	143	141	13	0	0	154	325
05:15 PM	0	0	0	0	0	0	15	16	0	31	16	0	135	0	151	147	8	0	0	155	337
05:30 PM	0	0	0	0	0	0	11	16	0	27	11	0	127	0	138	147	7	0	0	154	319
05:45 PM	0	0	0	0	0	0	18	14	0	32	19	0	117	1	137	113	18	0	0	131	300
Total	0	0	0	0	0	0	56	62	0	118	62	0	506	1	569	548	46	0	0	594	1281
Grand Total	0	0	0	0	0	0	176	145	0	321	242	0	1657	1	1900	1744	177	0	0	1921	4142
Apprch %	0	0	0	0	0	0	54.8	45.2	0		12.7	0	87.2	0.1		90.8	9.2	0	0		
Total %	0	0	0	0	0	0	4.2	3.5	0	7.7	5.8	0	40	0	45.9	42.1	4.3	0	0	46.4	
Unshifted	0	0	0	0	0	0	170	143	0	313	239	0	1624	1	1864	1709	175	0	0	1884	4061
% Unshifted	0	0	0	0	0	0	96.6	98.6	0	97.5	98.8	0	98	100	98.1	98	98.9	0	0	98.1	98
Bank 1	0	0	0	0	0	0	6	2	0	8	3	0	28	0	31	31	2	0	0	33	72
% Bank 1	0	0	0	0	0	0	3.4	1.4	0	2.5	1.2	0	1.7	0	1.6	1.8	1.1	0	0	1.7	1.7
Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	5	0	5	4	0	0	0	4	9
% Bank 2	0	0	0	0	0	0	0	0	0	0	0	0	0.3	0	0.3	0.2	0	0	0	0.2	0.2

Barton & Loguidice, D.P.C.

VILLAGE OF SARANAC LAKE - LAKE FLOWER AVE & RIVER STREET INTERSECTION STUDY

234.036.001
 Lake Flower Ave & River St - PM Peak
 Saranac Lake, New York

File Name : 06-06-19 PM Counts
 Site Code : 00000023
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Start Time	From North					River St From East					Lake Flower Ave From South					River St From West					Int. Total
	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	Right	Thru	Left	Peds	App. Total	
Peak Hour Analysis From 03:00 PM to 05:45 PM - Peak 1 of 1																					
Peak Hour for Entire Intersection Begins at 04:00 PM																					
04:00 PM	0	0	0	0	0	0	16	11	0	27	24	0	136	0	160	146	17	0	0	163	350
04:15 PM	0	0	0	0	0	0	9	12	0	21	27	0	147	0	174	155	20	0	0	175	370
04:30 PM	0	0	0	0	0	0	16	12	0	28	24	0	149	0	173	147	21	0	0	168	369
04:45 PM	0	0	0	0	0	0	13	6	0	19	20	0	161	0	181	151	17	0	0	168	368
Total Volume	0	0	0	0	0	0	54	41	0	95	95	0	593	0	688	599	75	0	0	674	1457
% App. Total	0	0	0	0	0	0	56.8	43.2	0	13.8	13.8	0	86.2	0	88.9	88.9	11.1	0	0	96.3	96.3
PHF	.000	.000	.000	.000	.000	.000	.844	.854	.000	.848	.880	.000	.921	.000	.950	.966	.893	.000	.000	.963	.984

ATTACHMENT NO. 3

TRIP GENERATION & DISTRIBUTION ASSUMPTIONS

Lake Flower Ave. and River St. Intersection Study, Village of Saranac Lake: **Trip Generation Analysis**

Developer provided Trip Generation:

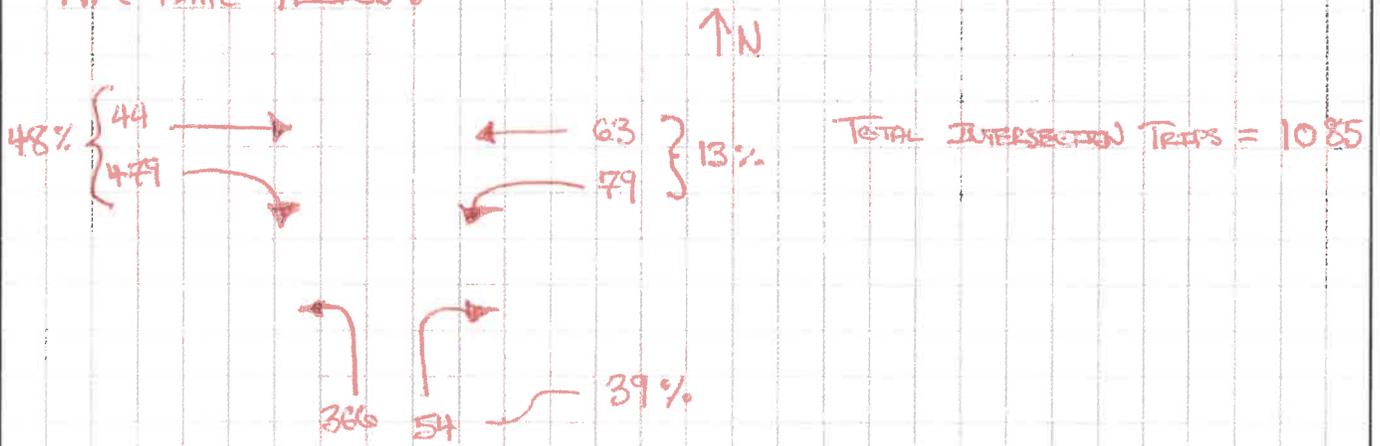
- 16 Trips per hour for the hotel
- 20 Trips per hour for the restaurant
- Total of 36 Trips generated during peak hour
 - Assume arrival/departure rates match ITE trip generation manual
 - AM Peak hour = 24 entering/12 exiting
 - PM Peak hour = 18 entering/18 exiting
 - Assume Noon Peak hour = 18 entering/18 exiting

ITE 9th Edition Trip Generation Manual:

Resort Hotel (Code 330) Trip Generation:

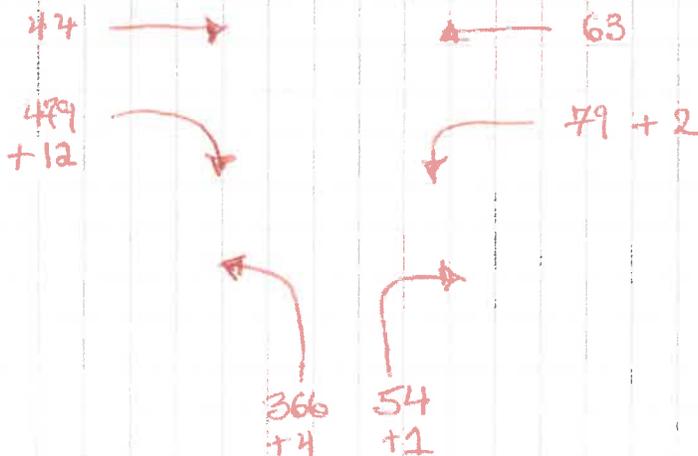
- Total of 93 hotel rooms proposed
- Rooms, Weekday, AM peak hour generator
 - 0.41 trips per room x 93 = 38 trip
 - 2/3 entering; 1/3 exiting
 - 25 entering; 13 exiting
- Rooms, Weekday, PM peak hour generator
 - 0.51 trip per room x 93 = 48
 - 50/50 entering/exiting
 - 24 entering; 24 exiting

AM PEAK PERIOD :

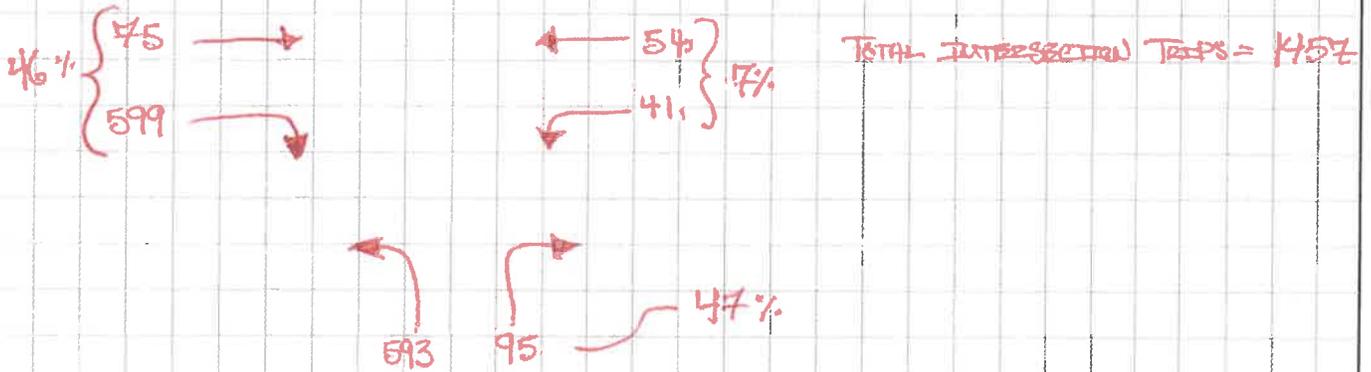


- TOTAL NB TRAFFIC = 366 + 54 = 420 TRIPS
- TOTAL SB TRAFFIC = 479 + 79 = 558 TRIPS
- TOTAL TRIPS BYPASSING NEW DEVELOPMENT = 420 + 558 = 978 TRIPS
- THEREFORE DIRECTIONAL BREAKDOWN = 43% NB ; 57% SB
- DEVELOPMENT AM TRIPS ← 24 ENTERING ⇒ 10 TRIPS NB ; 14 TRIPS SB
 12 EXITING ⇒ 5 TRIPS NB ; 7 TRIPS SB

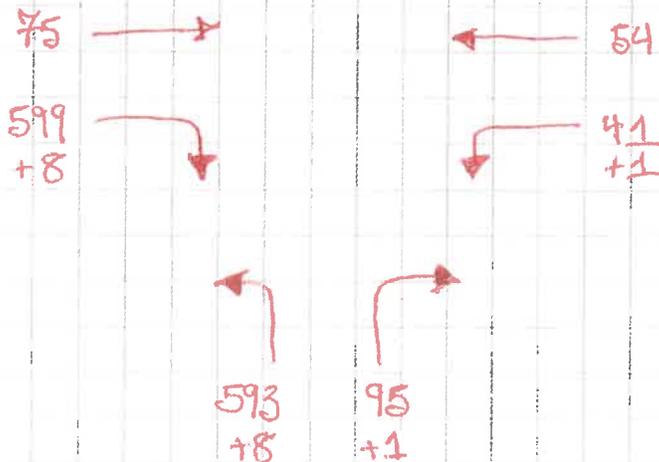
AM DEVELOPMENT TRAFFIC ASSIGNMENT :



PM Peak Period :



- TOTAL NB TRIPS = $593 + 95 = 688$ TRIPS
- TOTAL SB TRIPS = $599 + 41 = 640$ TRIPS
- TOTAL TRIPS BYPASSING DEVELOPMENT = $688 + 640 = 1328$ TRIPS
 ↳ DIRECTIONAL DISTRIBUTION = 52% NB ; 48% SB
- DEVELOPMENT PM TRIPS $\left\langle \begin{array}{l} 18 \text{ ENTERING} \Rightarrow 9 \text{ TRIPS NB ; } 9 \text{ TRIPS SB} \\ 18 \text{ EXITING} \Rightarrow 9 \text{ TRIPS NB ; } 9 \text{ TRIPS SB} \end{array} \right.$
- PM DEVELOPMENT TRAFFIC ASSIGNMENT :



ATTACHMENT NO. 4

NYS DOT DESIGN CRITERIA

Exhibit 2-4 Design Criteria for Non-NHS Urban Arterials

Lanes ^{1,2}				Width (ft.)	
Travel Lanes				Minimum	Desirable
For highly restricted areas with no or little truck traffic (0 to 2%)				10	-
Routes designated as Qualifying Highways on the National Network (1982 STAA Highways)				12	-
Shared lane that will accommodate cyclists, per HDM §2.6.2.1				13 ³	15
All other conditions (e.g., left-hand through lanes)				11	12
Bicycle lane (dedicated preferential use travel lane for bicycling)				5 ³	6 – 7 ⁴
Turning Lanes				Minimum	Desirable
Left and Right, Truck volume ≤ 2%				10	11
Left and Right, Truck volume > 2%				11	12
Two-way left-turn lanes				11	14
Parking Lanes				Minimum	Desirable
Future provision for travel lane				11	-
Future provision for turn lanes				10	-
Future provision for turn lane on 35 mph or less arterial				9	-
No future provisions for turn lanes				8	-
Shoulders ^{1,2}				Width (ft.)	
Curbed				Minimum	Desirable
Left shoulder for divided arterials				0	1 to 2
Right shoulder that <u>will not</u> accommodate cyclists, per HDM §2.6.2.1, and no provision for breakdowns or turning movements				0	4
Right shoulder that <u>will</u> accommodate cyclists, per HDM §2.6.2.1				5 ³	6 ⁵
Right shoulder, provision for breakdowns and turning movements				6	10
Uncurbed				Refer to Exhibit 2-3	
Design Speed (mph)	Maximum Percent Grade			Minimum Stopping Sight Distance (ft.)	Minimum Radius Curve (ft.) e _{max} = 4%
	Level	Rolling	Mountainous		
30	8	9	11	175	188
35	7	8	10	220	263
40	7	8	10	271	356
45	6	7	9	327	466

Notes:

1. For bridges, refer to the [NYS DOT Bridge Manual](#), Section 2. Where the Bridge Manual only furnishes roadway width, subtract the lane width on this table from the roadway width to determine the shoulder width.
2. Refer to HDM §2.6.2.1 for information on determining lane and shoulder widths for bicycling in urban areas. Note that bicyclists have the same rights and responsibilities as motorists, except as provided in Sections 1230-1236 of the New York State Vehicle and Traffic Law.
3. If neither a 5 ft. min. shoulder/bicycle lane nor a 13 ft. min. shared lane can be provided, a justification is required for the nonstandard lane width. Refer to HDM §2.6.2.1 for more information.
4. Widths greater than 5 ft. (up to 7 ft.) are desirable for bicycle lanes adjacent to parking lanes.
5. It is desirable to provide 6 ft. where truck traffic is high and anticipated bicycle demand for the shoulder is high.

Exhibit 2-6 Design Criteria for Non-NHS Urban Collectors

Lanes ^{1,2}				Width (ft.)	
Travel Lanes (with curb)				Minimum	Desirable
Residential and commercial areas				10	12
Routes designated as Qualifying Highways on the National Network (1982 STAA Highways)				12	-
Industrial area without severe ROW limitations;				12	-
Industrial area with severe ROW limitations				11	-
Wide curb lane that will accommodate cyclists, per HDM §2.6.2.1				13 ³	15
Travel Lanes (uncurbed)				Refer to Exhibit 2-5	
Bicycle Lane (dedicated preferential use travel lane for bicycling)				5 ³	6 -7 ⁴
Turning Lanes				Minimum	Desirable
Truck volume ≤ 2%				10	12
Truck volume > 2%				11	12
Two-way left-turn lanes (trucks ≤ 2%)				10	16
Two-way left-turn lanes (trucks > 2%)				11	16
Parking Lanes				Minimum	Desirable
Residential area				7	8
Commercial / industrial areas				8	11
Shoulders ^{1,2}				Width (ft.)	
Curbed				Minimum	Desirable
Left shoulder for divided urban collectors				0	1 to 2
Right shoulder that <u>will not</u> accommodate cyclists, per HDM §2.6.2.1, and no provision for breakdowns or turning movements				0	4
Right shoulder that <u>will</u> accommodate cyclists, per HDM §2.6.2.1				5 ³	6 ⁵
Right shoulder, provision for breakdowns and turning movements				6	10
Uncurbed				Refer to Exhibit 2-5	
Design Speed (mph)	Maximum Percent Grade ⁶			Minimum Stopping Sight Distance (ft)	Minimum Radius Curve (ft) e _{max} = 4%
	Level	Rolling	Mountainous		
30	9	11	12	175	188
35	9	10	12	220	263
40	9	10	12	271	356
45	8	9	11	327	466

Notes:

- For bridges, refer to the [NYS DOT Bridge Manual](#), Section 2. Where the Bridge Manual only furnishes roadway width, subtract the lane width on this table from the roadway width to determine the shoulder width.
- Refer to HDM §2.6.2.1 for information on determining lane and shoulder widths for bicycling in urban areas. Note that bicyclists have the same rights and responsibilities as motorists, except as provided in Sections 1230-1236 of the New York State Vehicle and Traffic Law.
- If high bicycling demand is anticipated or a bicycle route is present, and neither a 5 ft. min. shoulder/bicycle lane nor a 13 ft. min. shared lane can be provided, a justification is required for the nonstandard lane width. Refer to HDM §2.6.2.1 for more information.
- Widths greater than 5 ft. (up to 7 ft.) are desirable for bicycle lanes adjacent to parking lanes.
- It is desirable to provide 6 ft. where truck traffic is high and anticipated bicycle demand for the shoulder is high.
- Maximum grades of short length (< 490 ft.) and on one-way downgrades may be 2% steeper.

ATTACHMENT NO. 5

PRELIMINARY DESIGN REVIEW COMMENTS



MEMO

TO: Paul Blaine
FROM: Parks and Trails Advisory Board
RE: Lake Flower Ave. and River Street Intersection Study Village of Saranac Lake, Franklin & Essex Counties
DATE: January 16, 2020

The Parks and Trails Advisory Board (PTAB) met on January 15, 2020 to review the preliminary results of the intersection study provided by B&L. The intersection of Lake Flower Ave., River St. and Brandy Brook Ave. has been identified for improvements in multiple village plans dating back to 2004:

- Local Waterfront Revitalization Plan (2004)
- Downtown Vision Concepts (2007)
- Bicycle and Pedestrian Trail Master Plan (2013)
- Downtown Revitalization Strategic Investment Plan (2019)

The planning goals for the River Street corridor and adjacent waterfront parks has evolved over the years, but the intersection has always been recognized as a dangerous intersection by pedestrians and cyclists so it is avoided. At this time, the primary concern for PTAB members is that the intersection provides a *safer, more comfortable and convenient* connection between River Street/waterfront parks and the proposed Rail Trail access on Brandy Brook Ave. (currently the Saranac Lake Recreation Path).

The Village has identified three potential connections to the proposed Adirondack Rail Trail (see Attachment 1). The connection along River St. and Brandy Brook Ave. is identified as the Lake Flower Express (see details in Attachment 1). The conceptual plan includes the addition of a shared side path (multi-use pathway) on the north side of Brandy Brook Ave. and a two-way protected cycle track on the south side of River St. A two-way cycle track is preferred over bike lanes in both directions on River St. due to the number of curb cuts on the north side of River St. Additional Rail Trail connections are proposed at the junctions with Will Rogers Drive and Broadway. The project was submitted for TAP funding in 2016 but was not selected for an award. The Village has a water/sewer project planned for Brandy Brook Ave. That project will likely include replacement of the existing sidewalk.

PTAB Input on Proposed Alternatives:

- The primary outcome for any project at this intersection should be to provide safe, comfortable and convenient pedestrian/bicycle access between River Street and the Adirondack Rail Trail.
- The design should be sensitive to pedestrians and bicyclists of all ages and abilities given the likely users of the Rail Trail.
- Given the estimated LOS for the T-intersection PTAB did not see this as a viable alternative so it was not discussed.

Preferred Alternative: Roundabout (see Figure 1.)

The preferred alternative is the Roundabout. This design will result in the greatest increase in bike/pedestrian safety. PTAB recognizes that there are multiple challenges to implementing the Roundabout (e.g. cost, environmental impacts to Pontiac Bay, impacts on the use of adjacent properties), so they recommend this as a long-term design preference. It is essential that the slip lane be eliminated in whatever design is ultimately implemented. It does not appear possible to provide a **safe and comfortable** bicycle route for cyclists from River Street to Brandy Brook Ave while maintaining the slip lane, especially for cyclists that fall into the category of “Interested but Concerned”¹ which would likely be a significant portion of Rail Trail users.

- The raised splitter islands are essential for pedestrian safety. Without that feature this design will compromise pedestrian safety to an unacceptable level.
- Question: why not a crosswalk across River St?
- Recommend adding a crosswalk across River Street. Pedestrian refuge is provided in the raised splitter island. This will provide the shortest pedestrian connection to Brandy Brook Ave.
- For many bicyclists transitioning from a bike lane or cycle track to the roundabout in order to access Brandy Brook Ave would be too intimidating.
- Recommend adding a curb cut to the sidewalk on the approach to the Roundabout along River St. so that more vulnerable bicyclists could mount the sidewalk and cross over to Brandy Brook Ave using the crosswalks and sidewalks (either across River St. if added to the design or across Lake Flower Ave) – *unless there is a better design alternative that could be proposed for protected bicycle access to the Rail Trail.*
- NYS DOT did have a design for a roundabout at this intersection many years ago.

Short-term Fix: Existing Intersection Improvements (see Figure 2.)

PTAB made the assumption that the Roundabout alternative would most likely be implemented in the distant future however, the intersection is long overdue for improvements that increase bike and pedestrian safety. Therefore, PTAB would like to see the Existing Intersection Improvements made as soon as possible, especially given the current timeline for the Adirondack Rail Trail.

- This option still does not provide an acceptable bicycle linkage to the Rail Trail, especially for more vulnerable users.
- The only recommendation that PTAB came up with to address this issue is to add a curb cut to the sidewalk on River St before the island so that more vulnerable users could mount the sidewalk and use the crosswalks and walkways (pedestrian route) to access Brandy Brook Ave.
- Question: why just stop signs at this intersection? Are the warrants for a traffic light not met?
- Could a HAWK or any other pedestrian activated light be considered at the intersection of Lake Flower Ave and Brandy Brook Ave? The traffic volume is relatively high during the summer months. There are no traffic lights between this intersection and Lake Placid so it may prove difficult for pedestrians and cyclists to take advantage of gaps in traffic in order to cross Lake Flower Ave.
- This design alternative does align with the proposed corridor enhancements outlined in the Downtown Vision Concepts (see Attachment 2), which was drafted before the Rail Trail Connector Trails were conceived.

¹ **Four Types of Cyclists:**

Strong and Fearless: People willing to bicycle with limited or no bicycle-specific infrastructure

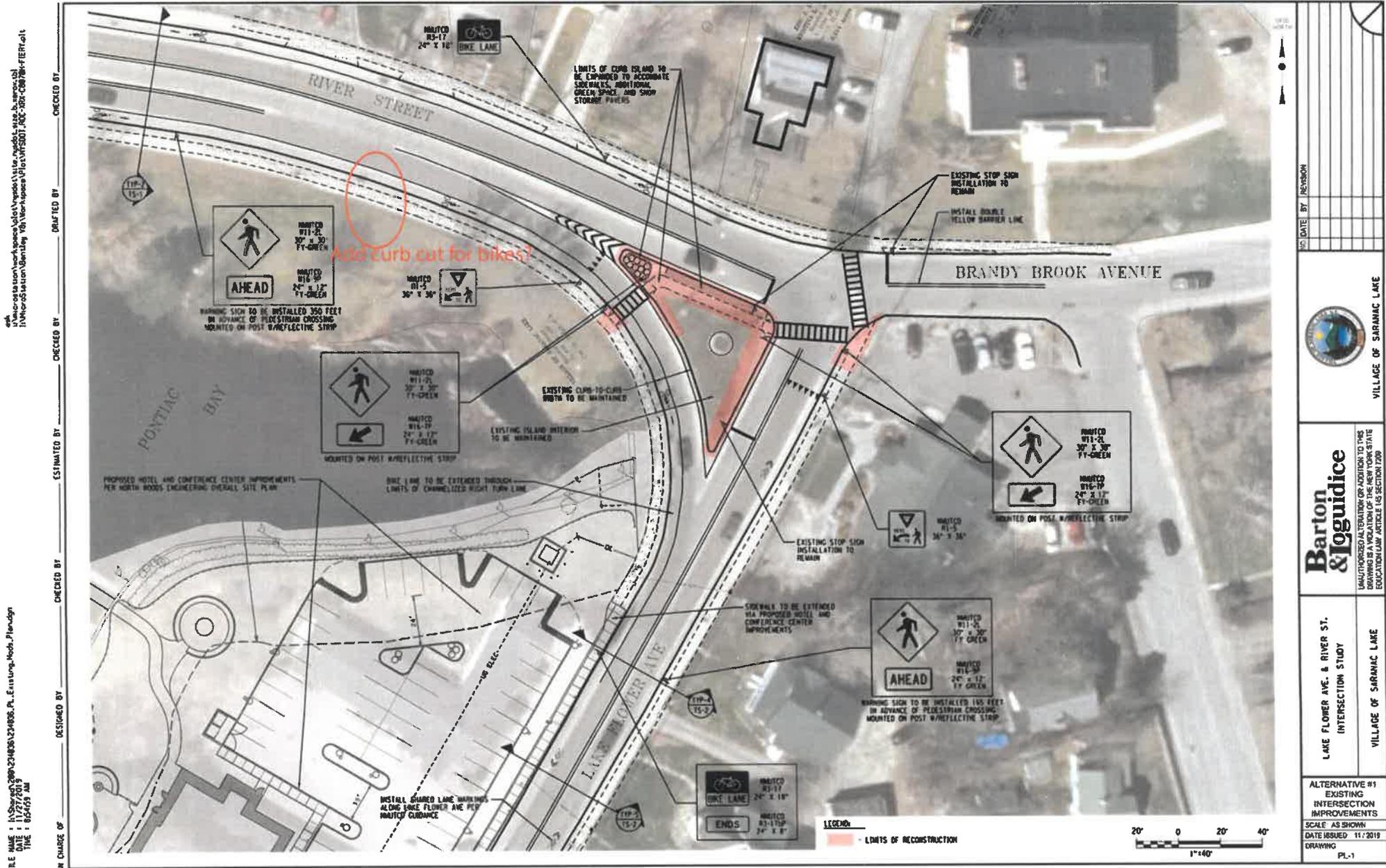
Enthusied and Confident: People willing to bicycle if some bicycle-specific infrastructure is in place

Interested but Concerned: People willing to bicycle if high-quality bicycle infrastructure is in place

No Way, No How: People unwilling to bicycle even if high-quality bicycle infrastructure is in place

For more information see: <https://blog.altaplanning.com/understanding-the-four-types-of-cyclists-112e1d2e9a1b>

Figure 2.



FILE NAME : H:\Share\2009\244806\244806_Plan\Existing_Improvements_Plan.dgn
 DATE : 11/27/2019
 TIME : 8:54:59 AM

FILE NAME : H:\Share\2009\244806\244806_Plan\Existing_Improvements_Plan.dgn
 DATE : 11/27/2019
 TIME : 8:54:59 AM

IN CHARGE OF _____ DESIGNED BY _____ CHECKED BY _____ ESTIMATED BY _____ CHECKED BY _____ DRAFTED BY _____ CHECKED BY _____

	SCALE: AS SHOWN DATE ISSUED: 11/2019 DRAWING: PL-1		VILLAGE OF SARANAC LAKE VILLAGE OF SARANAC LAKE VILLAGE OF SARANAC LAKE
SD DATE BY: REVISION	ALTERNATIVE #1 EXISTING INTERSECTION IMPROVEMENTS		
LAKE FLOWER AVE. & RIVER ST. INTERSECTION STUDY			

ATTACHMENT 1

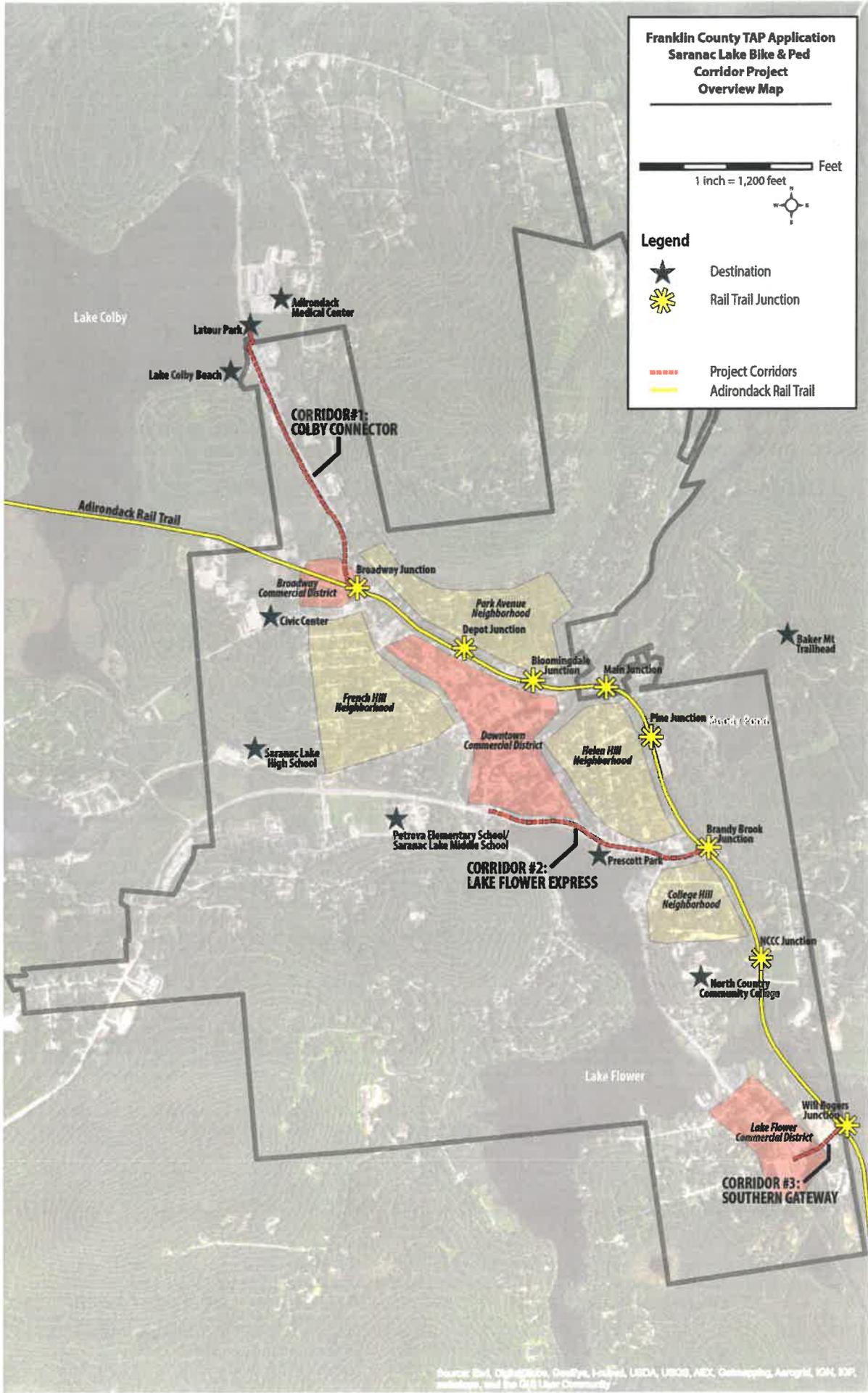
**Franklin County TAP Application
Saranac Lake Bike & Ped
Corridor Project
Overview Map**

1 inch = 1,200 feet



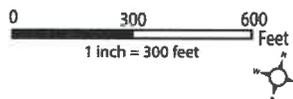
Legend

- ★ Destination
- ✻ Rail Trail Junction
- ▬ Project Corridors
- ▬ Adirondack Rail Trail

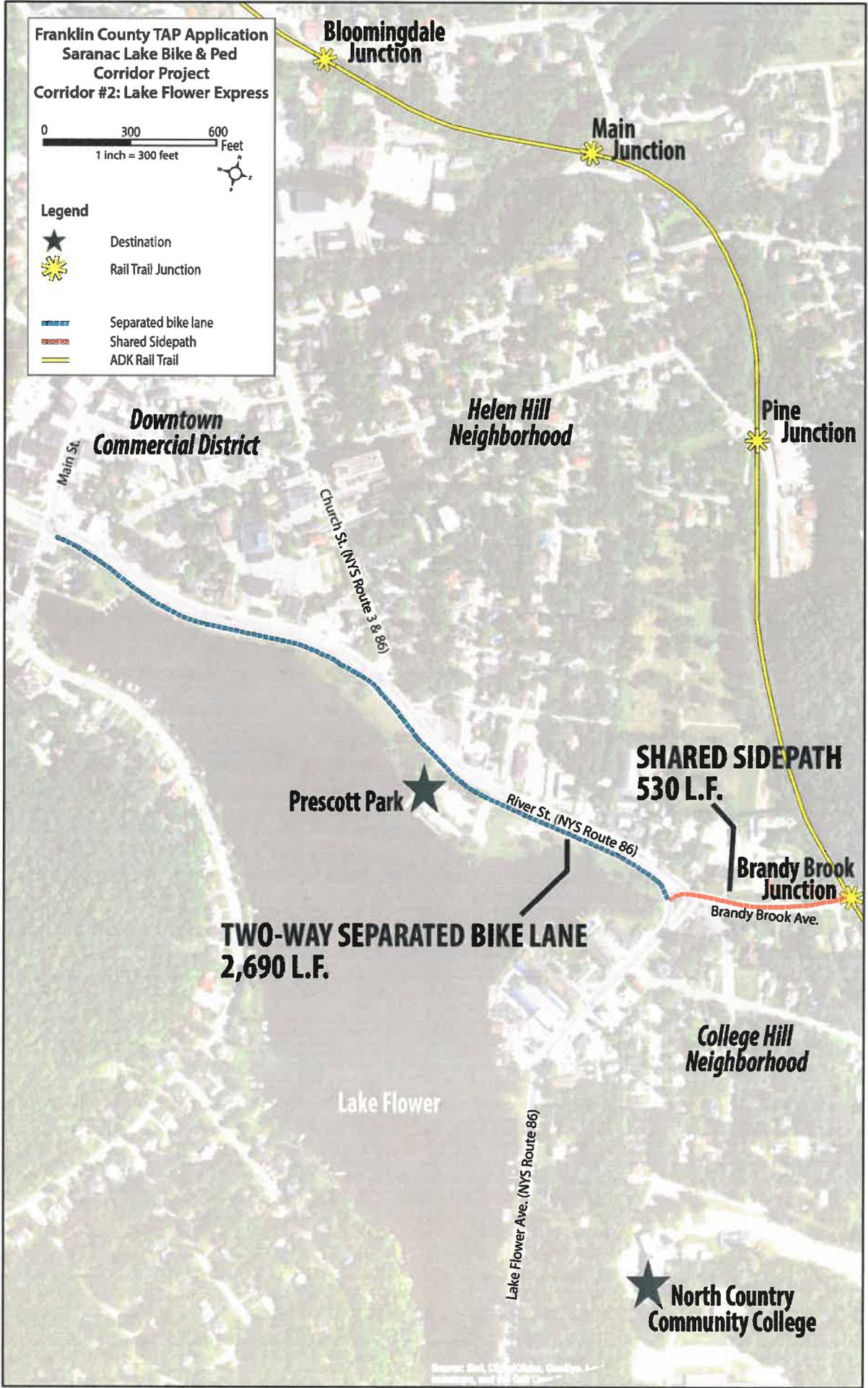


Source: Esri, DigitalGlobe, GeoEye, IGN, GeoEye, USDA, USGS, AEC, GeoEye, AeroGRID, IGN, IGP, contributors, and the GIS User Community

Franklin County TAP Application
Saranac Lake Bike & Ped
Corridor Project
Corridor #2: Lake Flower Express



- Legend**
- ★ Destination
 - ✻ Rail Trail Junction
 - ▬ Separated bike lane
 - ▬ Shared Sidepath
 - ▬ ADK Rail Trail



**TWO-WAY SEPARATED BIKE LANE
2,690 L.F.**

**SHARED SIDEPATH
530 L.F.**

★ **North Country
Community College**

Source: Esri, DeLorme, GeoEye, Aerial, GeoEye, IGN, Aerotech, and IGN Data

Village of Saranac Lake
DRAFT
Bicycle Network Plan



1 inch = 400 feet



Legend

Trail Intersections

Type



Bike Network

Type, Status

- Rail Trail, Proposed
- Shared Sidepath, Existing
- Shared Sidepath, Proposed
- On-road shared use path, Proposed
- Separated bike lane, Proposed
- Shared lane markings, Existing
- Shared lane markings, Proposed



Attachment 2



SARATOGA ASSOCIATES

VILLAGE OF SARANAC LAKE

LANDSCAPE ARCHITECTS ARCHITECTS
ENGINEERS AND PLANNERS, P.C.

PROJECT # 200707010

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KEY

- NEW CIVIC STRUCTURES
- NEW COMMERCIAL
- EXISTING STRUCTURES

DISTRICT 3 - LAKE FLOWER / RIVER ST. CORRIDOR ENHANCEMENT PLAN

Village of Saranac Lake
Vision Concepts
December 2007



ROUTE 3 CORRIDOR - EXISTING CONDITION

DISTRICT 3 -
LAKE FLOWER/
RIVER STREET
ENHANCEMENT
RENDERING

The Village of Saranac Lake
Visions Concepts

December, 2007

PROJECT # 07070.17
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**SARATOGA
ASSOCIATES**

Landscape Architects, Architects
Engineers and Planners, PC
164 North Street - Saratoga Springs, NY

**THE VILLAGE OF
SARANAC LAKE**



ROUTE 3 CORRIDOR - PHASE I

**Pedestrian Enhancement:
Special Paving and New Crosswalks
Signage at Pedestrian Crossings
Enhanced/ Improved Sidewalk
Landscaping**



Existing Condition

**DISTRICT 3 -
LAKE FLOWER/
RIVER STREET
ENHANCEMENT
RENDERING**

The Village of Saranac Lake
Visions Concepts

December, 2007

**SARATOGA
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**THE VILLAGE OF
SARANAC LAKE**

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ROUTE 3 CORRIDOR - PHASE II

- Corridor Enhancement:**
 Bury Utility Lines
 Install New Lighting and Banners
 Redevelop Existing Properties
 Street Trees



Existing Condition

DISTRICT 3 -
 LAKE FLOWER/
 RIVER STREET
 ENHANCEMENT
 RENDERING

The Village of Saranac Lake
 Visions Concepts

December, 2007

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**THE VILLAGE OF
 SARANAC LAKE**

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ATTACHMENT NO. 6

Saranac Lake Trail Master Plan Excerpt



6.1.8 Intersection Improvements

Project Description - Improve safety conditions for bicyclists and pedestrians at the intersections of Main Street and Pine Street, River Street and Pine Street, River Street and Lake Flower Ave, and Lake Street and Petrova Ave. These intersections can be completed as part of other projects or as an intersection safety improvement program. Crash history at these intersections should be researched along with traffic and pedestrian volumes prior to completing a detailed design. Improvement costs can vary greatly depending on the types of improvements implemented at each location.

Main Street and Pine Street

- 3-way stop controlled
- Install crosswalks
- Southbound stop sign and crosswalk located north of railroad and trail crossing
- Ensure sufficient sight distance for all roadway users

Owner: Town of North Elba



River Street and Pine Street

- 3-way stop controlled
- Install crosswalks
- Clearly mark trail crossings for rail-trail and the Pines
- Improve wayfinding signage and user conflicts

Owner: Village of Saranac Lake



River Street and Lake Flower Avenue

Design Options

- Reduce radius of the right hand slip ramp, create separate cycle track or bike lane, slows cars down around curve
- Small 100' diameter roundabout
- Provide safe crossing for pedestrians

Owner: New York State Department of Transportation



Lake Street and Petrova Avenue

- Reclaim pavement to reduce the size of the intersection
- Define conflict points, and mark crosswalks
- Define driveway space for the sanitation company on the corner and Adirondack apartments

Owner: Village of Saranac Lake





6.1.9 River Street Trail

Project Description – Provide a bicycle and pedestrian connection between Pine St and Main St, along River Street. This will provide a link between the rail-trail, Lake Flower, and downtown. Clearly marked and delineated pedestrian and bicycle accommodations will increase safety in an area with many curb cuts and vehicle conflicts.

Key Elements -

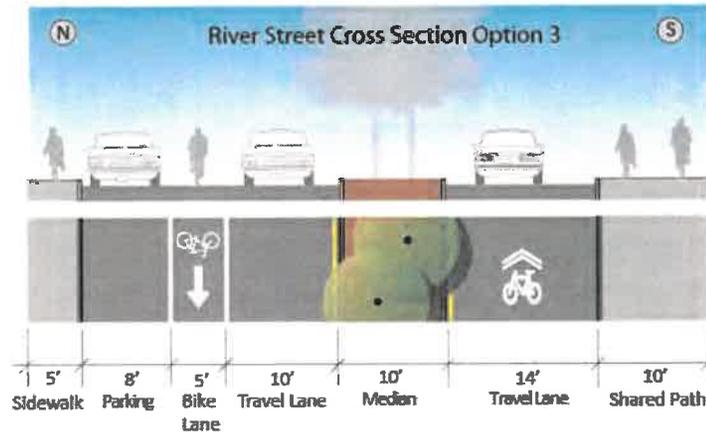
- Extend sidewalk on the north side of Brandy Brook to Pine St.
- Improve the Lake Flower Ave/ River St intersection.
 - Option 1: remove channelized right turn lane.
 - Option 2: install a single lane roundabout.
- Provide 8' shared-use path on the south side of River St through Prescott Park to Church St.
- Improve bicycle and pedestrian accommodations along River St between Church St and Main St. Install a mid-block crossing between the St. Bernard School and the overlook.
 - Option 1: restripe and maintain existing bike lanes and maintain sidewalks.
 - Option 2: widen existing sidewalk on the south side to a 10' shared use path.
 - Option 3: provide a parking lane, bike lane, and 10' travel lane in the westbound direction. Provide a 14' shared lane in the westbound direction and extend the sidewalk to a 10' shared use path. Replace the two-way-left-turn lane with a 10' wide raised landscape median. Install a roundabout at Church St. to facilitate a U-turn movement to access businesses on the north side of River St.

Ownership - Right-of-way is owned and maintained by New York State Department of Transportation

Length - 2 miles

Uses - Pedestrians and cyclists

Planning Level Cost - \$2 to \$5 Mil



Route 86 Shoulder Improvements: NYSDOT resurfaced Route 86 between Saranac Lake and Lake Placid during the summer/fall 2012 construction season. Based on petitions from local residents for adequate cycle facilities on the roadway, NYSDOT agreed to reduce travel lanes to 10 feet, increasing shoulder widths by 1 foot on either side. This is a great accomplishment for both NYSDOT and cyclists in the region.



ATTACHMENT NO. 7

ALTERNATIVE #1 ANTICIPATED COST ESTIMATE

LAKE FLOWER AVENUE AND RIVER STREET INTERSECTION IMPROVEMENTS - ALTERNATIVE #1 ANTICIPATED COSTS

VILLAGE OF SARANAC LAKE

DATE PREPARED: MAY 2020
 PREPARED BY: ASK

ITEM NO.	DESCRIPTION	UNIT	ESTIMATED QUANTITY	COST/UNIT	TOTAL COST
203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL	CY	95.0	\$ 32.00	\$ 3,040.00
203.03	EMBANKMENT IN PLACE	CY	21.5	\$ 25.00	\$ 537.04
206.0201	TRENCH AND CULVERT EXCAVATION	CY	25.2	\$ 45.00	\$ 1,133.33
209.1003	SEED AND MULCH - TEMPORARY	SY	150.0	\$ 1.50	\$ 225.00
304.15	SUBBASE COURSE, OPTIONAL TYPE	CY	19.4	\$ 55.00	\$ 1,069.44
402.098203	9.5 F2 TOP COURSE HMA,80 SERIES COMPACTION	TON	4.7	\$ 145.00	\$ 685.13
402.198903	19 F9 BINDER COURSE HMA, 80 SERIES COMPACTION	TON	6.5	\$ 150.00	\$ 971.25
402.378903	37.5 F9 BASE COURSE HMA, 80 SERIES COMPACTION	TON	13.1	\$ 140.00	\$ 1,837.50
407.0102	DILUTED TACK COAT	GAL	10.5	\$ 2.50	\$ 26.25
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF	255.0	\$ 1.50	\$ 382.50
605.1001	UNDERDRAIN FILTER TYPE 2	CY	25.2	\$ 65.00	\$ 1,637.04
605.1501	PERFORATED CORRUGATED POLYETHYLENE UNDERDRAIN, 4 INCH DIA.	LF	255.0	\$ 4.00	\$ 1,020.00
608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS	CY	8.5	\$ 550.00	\$ 4,651.23
608.21000003	CAST IRON EMBEDDED DETECTABLE WARNING UNITS	SY	7.8	\$ 500.00	\$ 3,888.89
609.0203	STONE CURB. GRANITE. TYPE C	LF	255.0	\$ 40.00	\$ 10,200.00
610.1403	TOPSOIL - LAWNS	CY	10.7	\$ 80.00	\$ 859.26
610.1602	TURF ESTABLISHMENT - LAWNS	SY	128.9	\$ 1.05	\$ 135.33
619.01	BASIC WORK ZONE TRAFFIC CONTROL	LS	NEC	\$ 1.00	\$ 7,000.00
625.01	SURVEY OPERATIONS	LS	NEC	\$ 1.00	\$ 5,000.00
627.50140008	CUTTING PAVEMENT	LF	310.0	\$ 4.00	\$ 1,240.00
645.5202	GROUND-MOUNTED SIGN PANELS	SF	80.0	\$ 30.00	\$ 2,400.00
645.81	TYPE A SIGN POSTS	EA	18.0	\$ 110.00	\$ 1,980.00
645.81020003	REFLECTIVE SIGN POST STRIP	EA	12.0	\$ 70.00	\$ 840.00
685.11	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	3030.0	\$ 1.10	\$ 3,333.00
685.12	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF	910.0	\$ 1.20	\$ 1,092.00
685.14	WHITE EPOXY REFLECTORIZED PAVEMENT SYMBOLS - 20 MILS	EA	10.0	\$ 450.00	\$ 4,500.00
697.03	FIELD CHANGE PAYMENT	DC	5000.0	\$ 1.00	\$ 5,000.00
699.040001	MOBILIZATION	LS	NEC	\$ 1.00	\$ 3,500.00

CONSTRUCTION COST SUBTOTAL: \$ 68,200.00

TOTAL PROJECT COST WITH 15% CONTINGENCY: \$ 78,500.00

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