

RESOLUTION 2021-46
(11-2-2021)

RESOLUTION BY THE PUBLIC WORKS & CAPITAL IMPROVEMENTS AND
STORMWATER & WASTEWATER COMMITTEE AUTHORIZING
MEMORANDUM OF UNDERSTANDING BETWEEN THE VILLAGE OF
STURTEVANT AND THE WISCONSIN DEPARTMENT OF TRANSPORTATION
REGARDING THE FUNDING OF PAVEMENT REHABILITATION ON 90TH
STREET

The Village Board of the Village of Sturtevant, Racine County, Wisconsin does resolve as follows:

WHEREAS, the Village and DOT anticipate increased demands upon existing highways in the area as a result of increased development in the Village that will necessitate improvement of such highways;


WHEREAS, such increased demands require an extraordinarily high level of synchronization and cooperation by the Parties, in order to complete all projects;


NOW, THEREFORE, the Village of Sturtevant, Racine County, Wisconsin does hereby resolve:

1. That the Village of Sturtevant accepts project funds per Department of Transportation Memorandum of Understanding as stated in the terms and conditions of Resolution 2018-38;
2. That the Village President and the Village Clerk are authorized to sign any agreements or other documents necessary to carry out the intent of this resolution.

Adopted by the Village Board of the Village of Sturtevant, Racine County, Wisconsin, this 2nd day of November, 2021.

Village of Sturtevant

By 
Michael Rosenbaum, President

Attest 
Cheryl Zamecnik, Village Clerk



CREATIVITY BEYOND ENGINEERING

MEMORANDUM – Part 2

DATE: October 14, 2021
TO: Village of Sturtevant / Jack Feiner
FR: Jason Feucht, P.E.
RE: 2022 Village Paving Program Preliminary Analysis

The Village requested raSmith to provide preliminary analysis for the 2022 Paving Program. The program is currently broken into three categories: Rehabilitation, Reconstruction, and 90th Street concepts. This memorandum is part 2 of the program summarizing the 90th Street concepts.

90th Street:

Serving as the main north-south arterial-collector street through the heart of the Village, 90th Street is vital to the Village of Sturtevant, beginning at Braun Road on the south and ending at Washington Avenue (Wis 20) on the north. Typically the roadway consists of a two-lane undivided urban roadway with bike and parking lanes in both directions. Between Durand Avenue (STH 11) and the railroad track crossing (north of Michigan Avenue approximately 230 feet) the roadway section narrows with no marked bike lane and parking is allowed. The section of 90th Street north of the railroad tracks to the intersection limits of Washington Avenue (approximately 1.2 miles) is the section on which the preliminary analysis focused, due to the current pavement condition and potentially available funding.

The existing approximate municipal boundary between the Village of Sturtevant and the Village of Mount Pleasant is approximately 980 feet south of 16th Street. The section of 90th Street south of this point proposed for improvement is about 3710 feet in length, leaving the section north of the approximate municipal boundary being 2400 feet long.

Proposed for this section of 90th Street includes rehabilitating the roadway by pulverizing the existing pavement, spot repairing curb and gutter, sidewalk access ramp reconstruction, and existing storm and sanitary sewer structure adjustments or reconstructions. The sanitary sewer system within this section of roadway was lined in 2019 and no additional activities related to the sanitary main are anticipated. The storm sewer main south of 16th Street toward Washington Avenue was installed around 2001 and is not anticipated to require repairs or replacements. The section of storm sewer south of 16th Street toward the railroad track age is unknown. Televising the existing storm sewers throughout the project is recommended will provide data to determine if defects or deficiencies exist and the most economical means to repair, if necessary, the system. It is also recommended to complete existing structure investigations for the storm and sanitary structures so the appropriate treatment can be defined (i.e. reconstruction or adjustments). Finally given the nature of the existing sidewalk access ramps, topographic survey should be attained at the existing ramps to determine if improvements are required and in the event improvements are required, the proposed ramps are in conformance with current American with Disabilities Act standards.

A pre-design opinion of costs has been prepared and is included as **Exhibit 3** to this memorandum. Sanitary sewer and storm sewer pipe improvements (CIPP, sag spot repairs, full length replacements) have not been included in the opinion of costs.

Below is the project location area for 90th Street.



Exhibit 3					
2022 Village of Sturtevant Paving Program - 90th Street					
Pre-Design Cost Opinion					
October 2021					
Item #	Item Description	Unit	Est. Qty	Unit Price	Total
SECTION 7a - 90th Street (From Railroad to 980' south of 16th Street) – 3710 LF					
1	Traffic Control (split between 7a and 7b)	LS	1	\$10,000.00	\$10,000.00
2	Inlet Protection Type B	EA	25	\$100.00	\$2,500.00
3	Inlet Protection Type C	EA	36	\$125.00	\$4,500.00
4	Removing Curb and Gutter	LF	1,850	\$10.00	\$18,500.00
5	Pulverize Asphaltic Pavement	SY	19,800	\$5.00	\$99,000.00
6	Excavation Below Base Course (Undistributed)	CY	660	\$20.00	\$13,200.00
7	Base Aggregate Dense 1 1/4-Inch (Undistributed)	TON	1,320	\$35.00	\$46,200.00
8	Geotextile Fabric Type SAS (Undistributed)	SY	3,960	\$8.00	\$31,680.00
9	HMA Pavement 3 LT 58-28 S	TON	2,600	\$83.00	\$215,800.00
10	HMA Pavement 4 LT 58-28 S	TON	2,000	\$87.00	\$174,000.00
11	Storm Manhole Adjustment/Reconstruction	EA	25	\$1,800.00	\$45,000.00
12	Sanitary Manhole Adjustment/Reconstruction	EA	14	\$2,500.00	\$35,000.00
13	Catch Basin Adjustment/Reconstruction	EA	36	\$1,500.00	\$54,000.00
14	Concrete Curb and Gutter Spot Replacement	LF	1,850	\$50.00	\$92,500.00
15	Concrete Sidewalk Ramps (Removal and Installation)	EA	10	\$1,500.00	\$15,000.00
16	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	700	\$12.00	\$8,400.00
17	Marking Stop Line Epoxy 18-Inch	LF	24	\$30.00	\$720.00
18	Marking Line Epoxy 4-Inch (yellow or white)	LF	17,800	\$1.50	\$26,700.00

19	Marking Symbol Epoxy	EA	26	\$280.00	\$7,280.00
20	Lawn Restoration	LS	1	\$33,000.00	\$33,000.00
21	Signs, Type II, Reflectivity H and Sign Posts	EA	10	\$350.00	\$3,500.00
Engineering, Administration, Contingencies (25%)					\$235,000.00
Section 7a - Rehabilitation within Existing Footprint Total					\$1,171,480.00
Item #	Item Description	Unit	Est. Qty	Unit Price	Total
SECTION 7b - 90th Street (From 980' south of 16th Street to Washington Avenue Intersection limits) – 2400 LF					
1	Traffic Control (split between 7a and 7b)	LS	1	\$10,000.00	\$10,000.00
2	Inlet Protection Type B	EA	6	\$100.00	\$600.00
3	Inlet Protection Type C	EA	9	\$125.00	\$1,125.00
4	Removing Curb and Gutter	LF	1,200	\$10.00	\$12,000.00
5	Pulverize Asphaltic Pavement	SY	13,000	\$5.00	\$65,000.00
6	Excavation Below Base Course (Undistributed)	CY	425	\$20.00	\$8,500.00
7	Base Aggregate Dense 1 1/4-Inch (Undistributed)	TON	850	\$35.00	\$29,750.00
8	Geotextile Fabric Type SAS (Undistributed)	SY	2,600	\$8.00	\$20,800.00
9	HMA Pavement 3 LT 58-28 S	TON	1,700	\$83.00	\$141,100.00
10	HMA Pavement 4 LT 58-28 S	TON	1,325	\$87.00	\$115,275.00
11	Storm Manhole Adjustment/Reconstruction	EA	6	\$1,800.00	\$10,800.00
12	Sanitary Manhole Adjustment/Reconstruction	EA	1	\$2,500.00	\$2,500.00
13	Catch Basin Adjustment/Reconstruction	EA	9	\$1,500.00	\$13,500.00
14	Concrete Curb and Gutter Spot Replacement	LF	1,200	\$50.00	\$60,000.00
15	Concrete Sidewalk Ramps (Removal and Installation)	EA	4	\$1,500.00	\$6,000.00
16	Marking Crosswalk Epoxy Transverse Line 6-Inch	LF	200	\$12.00	\$2,400.00
17	Marking Stop Line Epoxy 18-Inch	LF	40	\$30.00	\$1,200.00
18	Marking Line Epoxy 4-Inch (yellow or white)	LF	11,520	\$1.50	\$17,280.00
19	Marking Symbol Epoxy	EA	16	\$280.00	\$4,480.00
20	Lawn Restoration	LS	1	\$21,000.00	\$21,000.00
21	Signs, Type II, Reflectivity H and Sign Posts	EA	8	\$350.00	\$2,800.00
Engineering, Administration, Contingencies (25%)					\$137,000.00
Section 7b - Rehabilitation within Existing Footprint Total					\$683,110.00
Assume 1/2 cost is shared by Mount Pleasant due to Joint Ownership					(\$341,555.00)
Total for Section 7a and 7b 90th Street Rehabilitation less Mount Pleasant's share					\$1,513,035.00

State of Wisconsin

County of Racine

Village of Sturtevant

Per discussion with Jeff on 1/24/20, this is still outstanding.

**RESOLUTION 2018-38
(4-26-18)**

**RESOLUTION BY THE PUBLIC WORKS & CAPITAL IMPROVEMENTS AND
STORMWATER & WASTEWATER COMMITTEE AUTHORIZING
MEMORANDUM OF UNDERSTANDING BETWEEN THE VILLAGE OF
STURTEVANT AND THE WISCONSIN DEPARTMENT OF TRANSPORTATION
REGARDING THE FUNDING OF PAVEMENT REHABILITATION ON 90TH
STREET**

The Village Board of the Village of Sturtevant, Racine County, Wisconsin does resolve as follows:

WHEREAS, the Village and DOT anticipate increased demands upon existing highways in the area as a result of increased development in the Village that will necessitate improvement of such highways;

WHEREAS, such increased demands require an extraordinarily high level of synchronization and cooperation by the Parties, in order to complete all projects described herein in a timely manner;

NOW, THEREFORE, the Parties agree as follows:

A. VILLAGE RESPONSIBILITIES:

The Village shall:

1. Design and construct, at the expense of the Village, Willow Road extension to Braun Road ("Willow Road South").
2. Construct, at the expense of the Village, the WIS 11/84th Street Intersection ("STH 11/84th Street Intersection"). Approximate value of "Added Village Cost" is \$1.8M.
3. Incorporate "State Supplied Traffic Signal Equipment", as described in B2, into the "STH 11/84th Street Intersection".
4. Post Braun Road east of the reconstruction limits as "No Parking and No Trucks."
5. Cooperate with DOT regarding scheduling and sequencing plans for all DOT responsibilities in sub-B, as needed to complete such actions.
6. Cooperate and coordinate scheduling with DOT to accomplish utility relocations and installations, as needed to complete such actions.
7. The Village will work with DOT to relocate both existing American Metal

Technologies driveways from STH 11 to the South Willow Road East Extension once it is constructed or as future opportunities arise to improve traffic flow and safety on STH 11.

B. DOT RESPONSIBILITIES:

DOT shall:

1. Provide completed design of the WIS 11/84th Street Intersection, including permanent traffic signals and emergency vehicle preemption.

2. The Department will furnish "State Supplied Traffic Signal Equipment", at Department cost, which includes above ground traffic signal monotube poles, arms, and luminaire arms; traffic signal cabinet and controller; EVP (Emergency Vehicle Preemption); and communication equipment for the STH 11/84th Street Intersection. This item reduces "Added Village Cost" by approximated value of \$70,000.

3. DOT shall pay for all compensable utility relocations as defined in its Utility Coordination Guide and identified in DOT's plans.

4. Upon the request from the Village, pursuant to Wis. Stat. s. 84.01(5), provide advice, supervision, and engineering work to the Village at Department cost including the following for the STH 11/84th Street Intersection and Willow Road South:

- a. Utility and environmental coordination and permitting for the STH 11 & 84th Street intersection and Willow Road South.
- b. Transfer plans, specifications, and estimates for STH 11 & 84th Street Intersection to the Village for local let.
- c. Provide staff for contract administration, inspection, and materials testing for the STH 11/84th Street Intersection and Willow Road South.
- d. Assist the Village with wetland mitigation for STH 11/84th Street Intersection and Willow Road South. This item reduces "Added Village Cost" by approximated value of \$30,000.

5. Issue necessary permits to the Village for Willow Road South, including a Public Street Connection and Work on RW Permit.

6. Provide quarterly traffic counts on 90th Street between Braun Road and STH 20 to document traffic volumes.

7. Provide a \$1.5M payment to the Village on or before August 1, 2021 for pavement rehabilitation on 90th Street between Braun Road and STH 20 as it is

anticipated that there will be an increase in traffic volumes on 90th Street as a result of concurrent DOT projects. The Village hereby relieves the Department of Transportation any further repair, reconstruction, or payment obligations on 90th Street that may arise under Wis. Stat. § 84.20 or any other DOT obligation resulting from concurrent projects DOT is constructing on Braun Road and STH 20 upon receipt of this payment.

8. That the execution of a Memorandum of Understanding between the Village of Sturtevant and the Wisconsin Department of Transportation as set forth in Exhibit A which is attached hereto and incorporated herein is authorized and approved.

9. That the Village President and the Village Clerk are authorized to sign any agreements or other documents necessary to carry out the intent of this resolution.

Adopted by the Village Board of the Village of Sturtevant, Racine County, Wisconsin, this 1st day of May, 2018.

Village of Sturtevant

By _____
Jayme Hoffman, President

Attest _____
Mary Cole, Village Clerk

AGREEMENT

by

THE VILLAGE OF STURTEVANT, WISCONSIN

and

THE WISCONSIN DEPARTMENT OF TRANSPORTATION.

December 17, 2021

This Agreement contains the agreements of the Village of Sturtevant ("Village") and the Wisconsin Department of Transportation ("DOT"), collectively the parties ("Parties").

WHEREAS the Village and DOT anticipate increased demands upon existing highways in the area as a result of increased development in the Village that will necessitate improvement of such highways;

WHEREAS such increased demands require an extraordinarily high level of synchronization and cooperation by the Parties, in order to complete all projects described herein in a timely manner;

WHEREAS the Village and DOT wish to replace the Agreement by the Village of Sturtevant, Wisconsin and the Wisconsin Department of Transportation signed May 4, 2018 with this Agreement.

NOW, THEREFORE, the Parties agree as follows:

A. VILLAGE RESPONSIBILITIES:

The Village shall:

1. Design and construct, at the expense of the Village, Willow Road extension to Braun Road ("Willow Road South").
2. Construct, at the expense of the Village, the WIS 11/84th Street Intersection ("STH 11/84th Street Intersection"). Approximate value of "Added Village Cost" is \$1.8M.
3. Incorporate "State Supplied Traffic Signal Equipment", as described in B2, into the "STH 11/84th Street Intersection".
4. Post Braun Road east of the reconstruction limits as "No Parking and No Trucks."
5. Cooperate with DOT regarding scheduling and sequencing plans for all DOT responsibilities in sub. B, as needed to complete such actions.

6. Cooperate and coordinate scheduling with DOT to accomplish utility relocations and installations, as needed to complete such actions.

7. The Village will work with DOT to relocate both existing American Metal Technologies driveways from STH 11 to the South Willow Road East Extension once it is constructed or as future opportunities arise to improve traffic flow and safety on STH 11.

B. DOT RESPONSIBILITIES:

DOT shall:

1. Provide completed design of the WIS 11/84th Street Intersection, including permanent traffic signals and emergency vehicle preemption.

2. The Department will furnish "State Supplied Traffic Signal Equipment", at Department cost, which includes above ground traffic signal monotube poles, arms, and luminaire arms; traffic signal cabinet and controller; EVP (Emergency Vehicle Preemption); and communication equipment for the STH 11/84th Street Intersection. This item reduces "Added Village Cost" by approximated value of \$70,000.

3. DOT shall pay for all compensable utility relocations as defined in its Utility Coordination Guide and identified in DOT's plans, related to the STH 11/84th Street Intersection.

4. Upon the request from the Village, pursuant to Wis. Stat. s. 84.01(5), provide advice, supervision, and engineering work to the Village at Department cost including the following for the STH 11/84th Street Intersection and Willow Road South:

- a. Utility and environmental coordination and permitting for the STH 11/84th Street intersection and Willow Road South.
- b. Transfer plans, specifications, and estimates for STH 11/84th Street Intersection to the Village for local let.
- c. Provide staff for contract administration, inspection, and materials testing for the STH 11/84th Street Intersection and Willow Road South.
- d. Assist the Village with wetland mitigation for STH 11/84th Street Intersection and Willow Road South. This item reduces "Added Village Cost" by approximated value of \$30,000.

5. Issue necessary permits to the Village for Willow Road South, including a Public Street Connection and Work on R/W Permit.

6. Provide quarterly traffic counts on 90th Street between Braun Road and STH 20 to document traffic volumes.

7. Provide a \$1.5M payment to the Village on or before August 1, 2022 for pavement rehabilitation on 90th Street between Braun Road and STH 20 as it is anticipated that there will be an increase in traffic volumes on 90th Street as a result of

concurrent DOT projects. The Village hereby relieves the Department of any further repair, reconstruction, or payment obligations on 90th Street that may arise under Wis. Stat. § 84.20 or any other DOT obligation resulting from concurrent projects DOT is constructing on Braun Road and STH 20 upon receipt of this payment.

ADDITIONAL PROVISIONS:

1. In the event of default by any parties, the non-defaulting parties shall have all rights permitted by Wisconsin law.

2. The Village and DOT agree that this Agreement replaces and supersedes the December 4, 2014 Memorandum of Understanding Between Village of Sturtevant and the Wisconsin Department of Transportation.

3. The Village and DOT agree that this Agreement replaces and supersedes the May 4, 2018 Agreement By the Village of Sturtevant, Wisconsin and the Wisconsin Department of Transportation.

Date: 12/11/2021

**VILLAGE OF STURTEVANT,
WISCONSIN**



Mike Rosenbaum, Village President

Date:

**WISCONSIN DEPARTMENT OF
TRANSPORTATION**



Rebecca Burkel, DTSD Administrator