



LOCAL TRANSPORTATION PRIORITIES- DOT

Pedestrian Signal Improvements- National Pkwy and Higgins Road

Lead Department: Engineering and Public Works

Project Manager: Clifton Ganek

Location

Intersection of National Parkway and Higgins Road (IL 72)

Description

As part of these pedestrian signal improvements, the village will install new pedestrian countdown signals, ADA ramps, and crosswalk pavement markings at National Parkway and Higgins Road (IL 72). Asphalt grinding and resurfacing and concrete curb replacement for drainage is required at all four corners.

Project Justification

This is a high pedestrian traffic location due to the proximity of hotels, retail, and residential in the area and this project will improve the safety of crossing pedestrians and bicyclists. This intersection is one of very few high traffic volume intersections within the village that does not have a pedestrian signal or crosswalk at any of the four crossings. Bike routes exist at three of the four quadrants of the intersection. A signalized intersection without pedestrian signals is a safety risk. Countdown signals are now required by the Manual on Uniform Traffic Control Devices (MUTCD) to be installed wherever pedestrian signal heads are warranted as part of intersection signalization or reconstruction, which is the case for the proposed improvements at National Parkway and Higgins Road (IL Route 72).

Project Expenses

Phase	Budget
Design	\$10,000
Construction	\$175,000
Construction Engineering	\$25,000
Total	\$210,000

Project Funding

Source	Budget
Capital Improvements Program Fund	\$10,000
Local Transportation Priorities- DOT	\$200,000
Total	\$210,000

Community Project Funding Request Pedestrian Signal Improvements



VILLAGE OF SCHAUMBURG
PROGRESS THROUGH THOUGHTFUL PLANNING

Standard Information:

Requesting Entity: Village of Schaumburg

Type of Entity: local government

Address of organization: 101 Schaumburg Court, Schaumburg, IL 60193

Website: <https://www.villageofschaumburg.com/>

Your Point of Contact for This Request:

Name: Clifton Ganek

Title: Senior Civil Engineer

Phone Number: 847-923-6618

Email Address: cganek@schaumburg.com

Project Info:

Project Name:

National Parkway and Higgins Road (IL 72) Pedestrian Signal Improvements

Purpose of Project:

Install new pedestrian signals and crosswalk markings at all four legs of the intersection of Higgins Road (IL-72) and National Parkway to increase safety and give more confidence to mobility-impaired pedestrians. Upon completion, these signal improvements will provide a safe route for local residents and visitors to hotels and restaurants in the Woodfield Regional Center.

Postal Address of Project:

101 Schaumburg Court, Schaumburg, Illinois 60193

Requested Funding Amount for FY 22:

\$200,000

Subcommittee:

Transportation, Housing, and Urban Development and Related Agencies

Agency:

Department of Transportation

Account:

Local Transportation Priorities

How would this project benefit the public and why would it be a good use of taxpayer dollars?

Increasing mobility and safety for pedestrians is a major issue on street systems, especially with an increased federal focus on the Americans with Disabilities Act (ADA). Not only will these improvements bring the village up to current ADA standards, but installing new pedestrian signals and crosswalks to ADA standards at this intersection will significantly increase safety and give more confidence to mobility-impaired pedestrians. Pedestrians and bicyclists need a safe means to cross the intersection, especially since it is surrounded by residential, commercial, and recreational areas.

Community Project Funding Request

Pedestrian Signal Improvements



Why should this request be considered a priority for the people of Illinois or Illinois' 8th District?

This intersection is heavily trafficked by pedestrians and bicyclists with residential to the south and hotels and restaurants to the north and east. Currently, no pedestrian signals or crosswalks exist at this intersection. There are no safe means for pedestrians to cross at any leg of the intersection. Additionally, bike paths are located at three of the four legs (all designated bike routes) with a sidewalk at the fourth leg. Countdown signals are now required by the Manual on Uniform Traffic Control Devices (MUTCD) to be installed wherever pedestrian signal heads are warranted as part of intersection signalization or reconstruction, which is the case for the proposed improvements at National Parkway and Higgins Road (IL Route 72).

Please attach here any documentation that demonstrates local support for this project:

Attached to this document is a letter of support from Village President Tom Dailly, highlighting the benefits of this project as it relates to the surrounding community. The Village of Schaumburg is partnering with the Illinois Department of Transportation on this project. This signalized intersection is the only State-owned signalized intersection in the Village of Schaumburg that is not equipped with a pedestrian signal crossing for at least one leg of the intersection. The Average Daily Traffic (ADT) on Higgins Road (IL-72) is 39,900. The posted speed limit on IL-72 is 45 mph. The ADT on National Parkway is 7,500. The posted speed limit on National Pkwy north of IL-72 is 30 mph and 25 mph south of the intersection. There has been a total of 50 vehicular accidents at this intersection in the last three years. The high traffic volumes and the posted speed limit on IL-72 create a dangerous location for pedestrians and bicyclists.

This project has been included in the village's five-year Capital Improvement Plan over the last several years which shows support for this project. The project will only move forward if grant funding is available. In 2020, Rebuild Illinois funds were allocated to the improvements at this intersection, however, the funds were never appropriated and therefore stalled the construction of this project. Based on the estimated construction duration, the project is expected to create 700 hours in terms of job creation or approximately 4 FTE for the duration of construction.

This project will have a positive impact on the economic development. The surrounding Woodfield Regional Center is filled with restaurants, hotels, retail, and office buildings. At the southeast corner of this intersection, several restaurants and large retail uses exist. On the north side of the intersection, several hotels and restaurants exist and are within walking distance to the residential developments to the south. The pedestrian signal improvements would enhance access to the aforementioned land uses and improve overall economic development in the area.

Please provide a breakdown here of how this funding would be used (salaries, construction, etc.):

This final design for this project has been completed. The project is ready to construct following environmental approval and IDOT permitting to go through the required bid process.

Construction: \$175,000

Construction Engineering: \$25,000

Is this a new or ongoing project?

Ongoing. The design for this project was complete and approved/permitted by the Illinois Department of Transportation in 2020. If environmental studies are required, the construction will likely be pushed to the 2022 construction season.

Community Project Funding Request

Pedestrian Signal Improvements



VILLAGE OF SCHAUMBURG
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What is the timeline of completion for this project and will the project require additional federal funding in future fiscal years?

The duration of construction for this project is approximately two months. Provided the approval of the construction bid by August 2021, this project could be completed by November 2021. If environmental approval is required, the project would likely be completed by July 2022.

If the Appropriations Committee is not able to provide the full amount of funding requested, can this project start in a limited capacity?

Yes. This project has appropriated funds for approximately 40% of the proposed improvement.

Is this project currently authorized in law? Where? If not applicable, please write "N/A".

N/A

If this project has been included in a presidential budget request, please indicate that here and detail how much and in what fiscal year:

N/A

If this project has received any funding in the past, from either a public or private source, please detail that here:

N/A

If you are proposing report language to accompany this CPF request, please write that language here and indicate if similar language has ever been included in a previous year:

N/A

If this project requires a non-federal cost-share, please indicate that here and explain how you can demonstrate that the non-federal share will be met:

If this project is funded through this program, local funds will not be required. However, the village has appropriated approximately 40% of the project cost under its local Capital Improvement Project fund in the event 100% of the costs do not receive federal funding.

Does any derogatory information, as well as any potentially mitigating information, exist that would render the entity potentially unsuitable for receiving community project funding? Please explain if applicable.

No

If submitting multiple requests, please rank this request in terms of priority:

#3 of 5

Please list all Members of the House and Senate who are receiving this request:

Representative Krishnamoorthi

Community Project Funding Request

Pedestrian Signal Improvements



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Funding Opportunity Specific Information:

Can the project obligate all appropriated funds within 12 months after enactment? If not, what would be the expected date of obligation?

Yes

Does the project have other public (federal, state, local) and/or private funds committed to meet match or cost-share requirements for costs related to construction, operations, and maintenance? If so, what is the source and amount of those funds?

No other funding at this time. The village previously anticipated Rebuild Illinois funding for this project in 2020, however, the funds were never allocated. This project requires funding to move forward.

Does the project require an environmental review? If so, what is the status and/or outcome of the environmental review and NEPA category of action (if applicable)?

Yes, it will require an environmental review. The review has not been started yet but will be processed as a State-approved Categorical Exclusion.

What is the type of project eligible under 23 USC 133(b): Highway, Bridge, Transit, Bike/Pedestrian, or Other (please specify)?

Bike/Pedestrian

Where is the project in the construction process: Planning and Environmental Review, Final Design, Right of Way, Capital purchase or lease (including bus purchases), Construction, or Other (please specify)?

Planning and Environmental Review. However, the final design has been completed. Any modifications will be made based on the review and approval of the environmental report.

Does the project impact beneficiaries of HUD's rental assistance programs (owners, public housing agencies, service providers, or tenants)?

No

Was the project on a State, tribal or territorial Transportation Improvement Plan (STIP) or a metropolitan transportation improvement plan (MTIP) as of 12/31/2020? If yes, Please provide a link to the plan, and please provide the STIP or TIP ID Number and specify which plan the ID number comes from.

This project is not currently in the TIP.

Pedestrian Signal Improvements- Higgins and National

Attachment- Letter of Support



VILLAGE OF SCHAUMBURG

PROGRESS THROUGH THOUGHTFUL PLANNING



VILLAGE OF SCHAUMBURG
PROGRESS THROUGH THOUGHTFUL PLANNING

April 19, 2021

The Honorable Raja Krishnamoorthi
515 Cannon House Office Building
Washington, DC 20515

RE: *Schaumburg Community Project Funding Request- Pedestrian Crossing at Higgins
and National*

Dear Representative Krishnamoorthi:

On behalf of the Village of Schaumburg, I am writing in support of our Community Project Funding (CPF) request to complete pedestrian signal improvements at Higgins Road (IL-72) and National Parkway.

Increasing mobility and safety for pedestrians is a major issue on street systems, especially with increased federal focus on the Americans with Disabilities Act (ADA). Not only will these improvements bring the Village up to current ADA standards, but installing new pedestrian signals and crosswalks to ADA standards at this intersection will significantly increase safety and give more confidence to mobility-impaired pedestrians. Pedestrians and bicyclists need a safe means to cross the intersection, especially since it is surrounded by residential, commercial, and recreational areas.

While it is an important project, the village has been unable to identify funding to complete these improvements. Given the impact of the COVID-19 pandemic on village revenues, this project has been pushed out in the village's Capital Improvement Plan (CIP) and will only be completed if outside funding can help reduce the village's cost.

Therefore, I respectfully request your consideration of the village's application for these pedestrian signal improvements through the Department of Transportation- Local Transportation Priorities account.

If I can be of further assistance, please do not hesitate to contact me at 847-923-4402.

Sincerely,

A handwritten signature in black ink that reads "Tom Dailly".

Tom Dailly
Village President

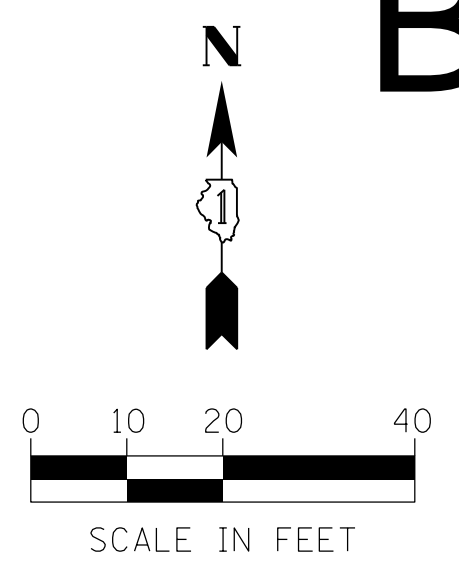
Pedestrian Signal Improvements- Higgins and National

Attachment- Project Exhibits



VILLAGE OF SCHAUMBURG

PROGRESS THROUGH THOUGHTFUL PLANNING

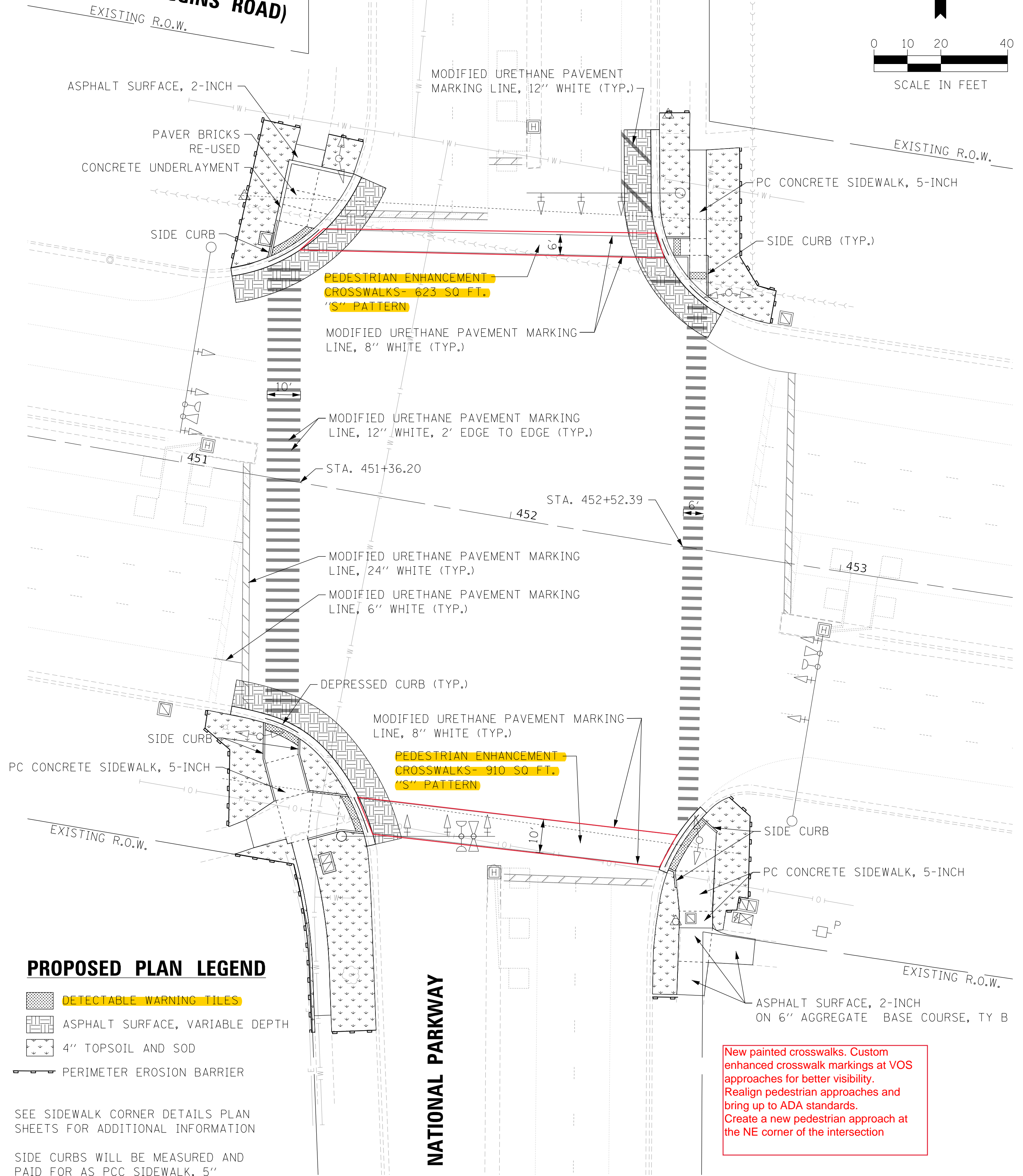
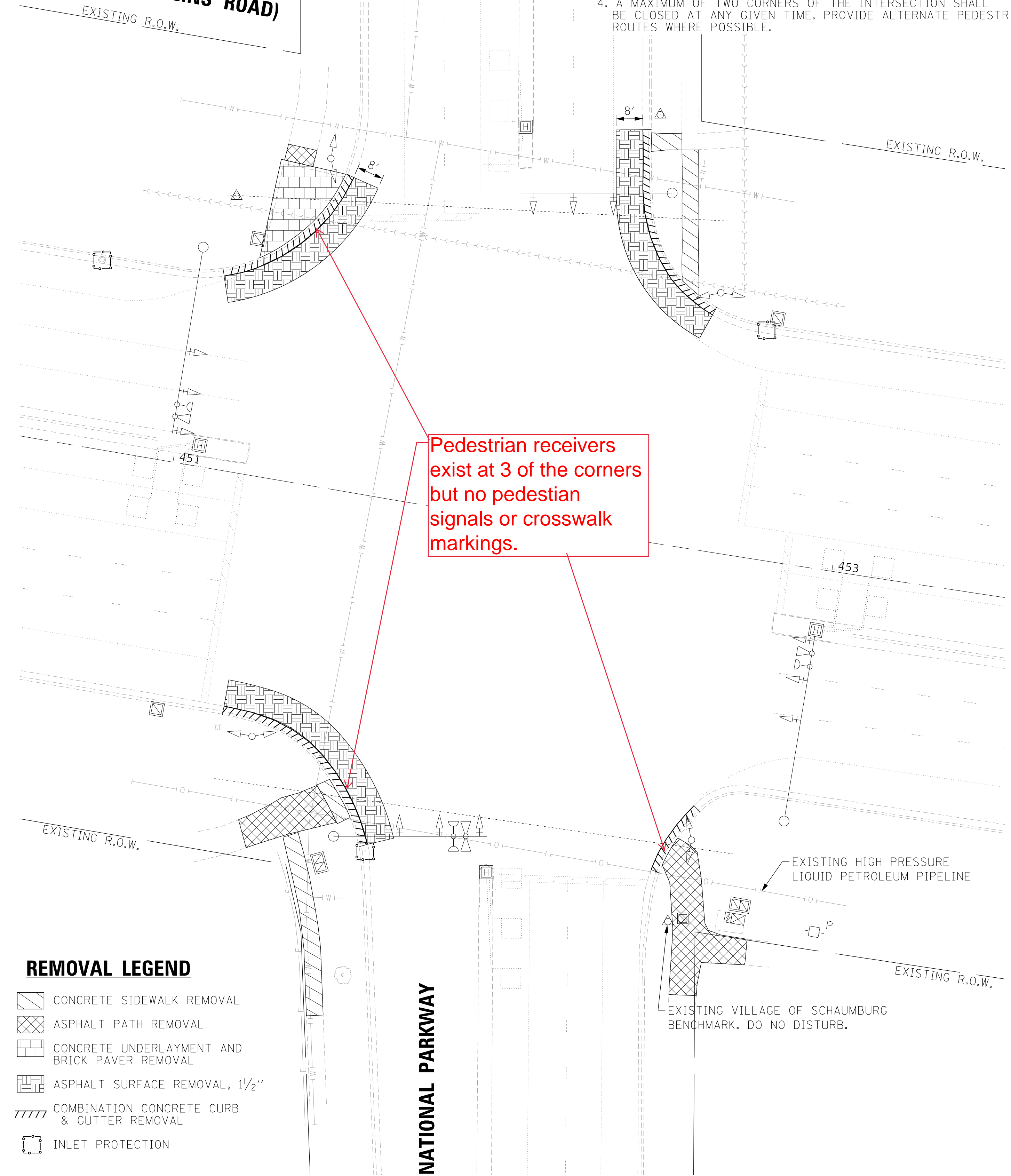


NOTES

1. REPLACE PCC SIDEWALK TO THE NEAREST EXISTING FULL SIDEWALK PANEL, OR AS DIRECTED BY THE ENGINEER.
2. REMOVE EXISTING STOP BARS AND PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED MARKINGS PRIOR TO RE-STRIPING.
3. CONTRACTOR SHALL USE CARE TO AVOID DAMAGE TO EXISTING PAVEMENT TO REMAIN. ALL DAMAGE TO EXISTING PAVEMENT SHALL BE REPAIRED AT NO ADDITIONAL COST TO THE CONTRACT.
4. A MAXIMUM OF TWO CORNERS OF THE INTERSECTION SHALL BE CLOSED AT ANY GIVEN TIME. PROVIDE ALTERNATE PEDESTRIAN ROUTES WHERE POSSIBLE.

IL RTE 72 (HIGGINS ROAD)

IL RTE 72 (HIGGINS ROAD)



Pedestrian receivers exist at 3 of the corners but no pedestrian signals or crosswalk markings.

New painted crosswalks. Custom enhanced crosswalk markings at VOS approaches for better visibility. Realign pedestrian approaches and bring up to ADA standards. Create a new pedestrian approach at the NE corner of the intersection

REMOVAL LEGEND

- CONCRETE SIDEWALK REMOVAL
- ASPHALT PATH REMOVAL
- CONCRETE UNDERLAYMENT AND BRICK PAVER REMOVAL
- ASPHALT SURFACE REMOVAL, 1 1/2"
- COMBINATION CONCRETE CURB & GUTTER REMOVAL
- INLET PROTECTION

PROPOSED PLAN LEGEND

- DETECTABLE WARNING TILES
- ASPHALT SURFACE, VARIABLE DEPTH
- 4" TOPSOIL AND SOD
- PERIMETER EROSION BARRIER

REMOVAL PLAN

PROPOSED PLAN

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

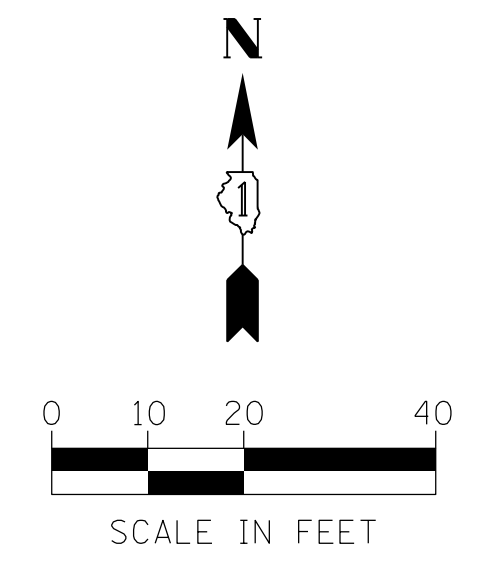
DESIGNED: JAM	PROJECT NUMBER: 18.0009
DRAWN: JAM	FILE: 180009-sht-Plan1.dgn
CHECKED: RGN	REFERENCES: None
DATE: 12/10/2019	SCALE: NONE

Hampton, Lenzini and Renwick, Inc.
 Civil & Structural Engineers, Land Surveyors, Environmental Services
 ELGIN · SPRINGFIELD · WOODRIDGE
 www.hltreengineering.com
 184.000959 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

VILLAGE OF SCHAUMBURG
 Department of Engineering and Public Works
 714 S. Plum Grove Road
 Schaumburg, IL 60193-7806

IL RTE 72 (HIGGINS RD) AT NATIONAL PKWY
 REMOVAL PLAN AND PROPOSED PLAN

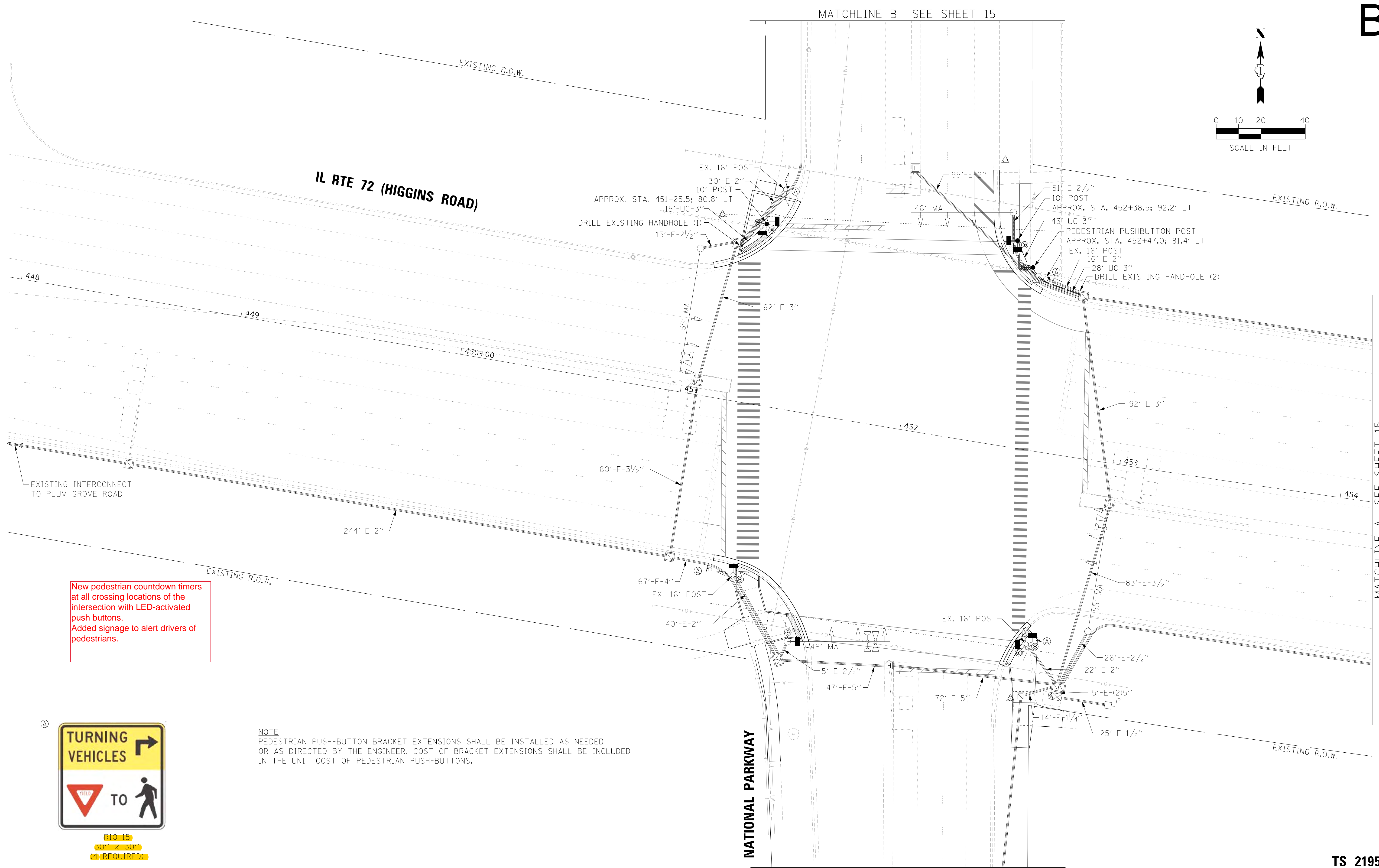
TOTAL SHEETS	SHEET NUMBER
29	4



MATCHLINE B SEE SHEET 15

MATCHLINE C SEE SHEET 15

MATCHLINE A SEE SHEET 15



New pedestrian countdown timers at all crossing locations of the intersection with LED-activated push buttons. Added signage to alert drivers of pedestrians.



R10-15
30" x 30"
(4 REQUIRED)

NOTE
PEDESTRIAN PUSH-BUTTON BRACKET EXTENSIONS SHALL BE INSTALLED AS NEEDED OR AS DIRECTED BY THE ENGINEER. COST OF BRACKET EXTENSIONS SHALL BE INCLUDED IN THE UNIT COST OF PEDESTRIAN PUSH-BUTTONS.

REVISIONS					
NO.	DATE	DESCRIPTION	NO.	DATE	DESCRIPTION

DESIGNED: JAM
 DRAWN: JAM
 CHECKED: RGN
 DATE: 12/10/2019

PROJECT NUMBER: 18.0009
 FILE: 180009-sht-TS1-72National.dgn
 REFERENCES: None
 SCALE: NONE

Hampton, Lenzini and Renwick, Inc.
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VILLAGE OF SCHAUMBURG
 Department of Engineering and Public Works
 714 S. Plum Grove Road
 Schaumburg, IL. 60193-7806

IL RTE 72 (HIGGINS RD) AT NATIONAL PKWY
 TRAFFIC SIGNAL PLAN

TOTAL SHEETS	SHEET NUMBER
29	14

TS 21955
 ECON 84