

MEMORANDUM

Agenda Item No. 8(N)(1)

TO: Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

DATE: March 2, 2021

FROM: Geri Bonzon-Keenan
County Attorney

SUBJECT: Resolution approving Award of Construction Contract for the Metrorail Acoustical Barrier Replacement Phase 3 (Part 2 of 2) project, to Halley Engineering Contractors, Inc. in the amount of \$35,212,080.00 (inclusive of a contingency allowance account of \$3,189,280.00), for a term of 610 days; authorizing the use of People's Transportation Plan Bond Program Funds for this project which was added to the Five-Year Implementation Plan on March 6, 2018; and authorizing the County Mayor to execute same and to exercise the rights contained therein

The accompanying resolution was prepared by the Transportation and Public Works Department and placed on the agenda at the request of Prime Sponsor Commissioner Eileen Higgins.



Geri Bonzon-Keenan
County Attorney

GBK/jp

Memorandum



Date: March 2, 2021

To: Honorable Chairman Jose “Pepe” Diaz
and Members, Board of County Commissioners

From: Daniella Levine Cava
Mayor *Daniella Levine Cava*

Subject: Resolution Approving Recommendation for Award of Construction Services for the Metrorail Acoustical Barrier Replacement Phase 3 (Part 2 of 2) Project to Halley Engineering Contractors, Inc. in the Amount of \$35,212,080 and Authorizing the Use of People’s Transportation Plan Bond Program Funds for Such Purposes

Recommendation

This Recommendation for Award of Construction Services for the Metrorail Acoustical Barrier Replacement Phase 3 (Part 2 of 2) project, to Halley Engineering Contractors, Inc. (Halley), in the amount of \$35,212,080 (inclusive of a contingency allowance account of \$3,189,280) and a contract term of 610 calendar days, has been prepared by the Department of Transportation and Public Works (DTPW) and is recommended for approval by the Board of County Commissioners (Board) pursuant to Section 2-8.1 of the Code of Miami-Dade County (Code).

This recommendation for award will provide for the installation of new Metrorail Acoustical Barriers on the remaining portions of the existing Metrorail elevated guideway not covered under the previous related procurement (Part 1 of 2). As part of Phase 3 (Part 1 of 2) of the project, DTPW prioritized the installation of the new acoustical barriers in areas where residential properties are within 150 feet of the guideway and in areas adjacent to major hospitals and schools. As part of Phase 3 (Part 2 of 2), DTPW will be installing new acoustical barriers in all remaining areas where type “B” acoustical barriers were previously removed. Unlike type “A” and “C” barriers which are made up of a full metal and a solid concrete core, type “B” barriers are lightweight and contain a partially open core with attaching metal straps. This design made them more vulnerable and type “B” barriers were the ones that contributed to the various system incidents over the last few years. For a specific list of all span locations where acoustical barriers were removed and will be replaced, please refer to the attached Exhibit 2.

This contract award recommendation is placed for Board review pursuant to the Code Section 29-124(f). This contract award recommendation may only be considered by the Board if the Citizens’ Independent Transportation Trust (CITT) has forwarded a recommendation to the Board prior to the date scheduled for Board consideration or 45 days have elapsed since the filing with the Clerk of the Board of this contract award recommendation. If the CITT has not forwarded a recommendation and 45 days have not elapsed since the filing of this award recommendation, a request for withdrawal of this item will be submitted.

Scope

The scope of this item is countywide in nature as it benefits the users of the Metrorail. The Metrorail system traverses across various commission districts.

Fiscal Impact/Funding Source

The fiscal impact for this award is \$35,212,080, which includes a contingency allowance amount of \$3,189,280 for any unforeseen work and a dedicated allowance amount of \$130,000 for structural damage

repairs. The latter allowance is specifically to perform repairs in case there might be existing or latent structural issues found on a given installation segment prior to the contractor accessing the area and to ensure that the new installation is done properly and in accordance with the design. Funding for this project can be found in the Fiscal Year 2020-21 Adopted Budget and Multi-Year Capital Plan, Capital Budget Project No. 6710900 – Metrorail – Track and Guideway Projects, and the funding source is People’s Transportation Plan (PTP) Bond Program Funds. Throughout the life of the asset, there are no anticipated additional operations and maintenance costs as this is a replacement project.

Delegation of Authority

The authority of the County Mayor or County Mayor's designee to execute and implement this contract is consistent with those authorities granted under the Code. No further delegation is necessary for this contract.

Background

Acoustical barrier systems provide various functions throughout the entire guideway system. They buffer noise levels to adjacent communities, provide fall protection for work crews and prevent debris from falling off the guideway. Acoustical barriers are mainly installed on elevated structures that travel through communities and when they cross major highways and waterways. During the original development of the Metrorail system in the early 1980’s, there was approximately 100,000 linear feet of concrete and metal acoustical barrier panels installed along the guideway system that runs from the Dadeland South Station to the Palmetto Station. These existing acoustical barrier panels have mostly reached the end of their useful life, the worst of which are the type “B” concrete barriers which began to fail structurally and have been all recently removed from the guideway representing more than 92,000 linear feet of barriers or approximately 18.4 million pounds of concrete removal.

The Board approved the Acoustical Barrier Replacement project in the 2018-2023 PTP Five-Year Implementation Plan on March 6, 2018, following a favorable recommendation by the CITT. Through Resolution Nos. R-150-19, R-604-19 and R-605-19, DTPW contracted for construction services for the removal of acoustical concrete barriers from the Metrorail elevated guideway for \$6,896,932.52. The removal of the acoustical barriers was completed in December 2019.

On August 10, 2020, DTPW advertised for construction services for the Metrorail Acoustical Barrier Replacement Phase 3 (Part 2 of 2). A non-mandatory pre-bid teleconference was held on August 20, 2020. Exhibit 1 to this memorandum contains the complete scope of services, license requirements and other information regarding the project. On September 9, 2020, DTPW received four bids in response to the solicitation. The base bid amounts ranged between \$31,892,800 and \$39,120,481 (excluding the allowance accounts). The lowest bid price submitted by Halley is 9.50 percent below the cost estimate of \$35,238,904 (refer to the Contractor’s Bid Form in Exhibit 3). In addition to pricing, Halley’s bid was reviewed based on its licensing, past experience and ability to perform services of similar scope, as described in the contract documents. Atkins North America, Inc. (Atkins), DTPW’s design consultant reviewed the Contractor’s price and provided a Letter of Buildability (refer to Exhibit 4) identifying that the Contractor’s means and methods attributed to the receipt of a somewhat lower bid price. Halley’s principal has indicated seven years of experience as a general contractor in construction work similar to the work for this contract. DTPW reviewed the business references included in Halley’s bid package and deemed its experience for projects similar in size and complexity to be satisfactory.

Halley does not have any evaluations in the Capital Improvements Information System. However, DTPW contacted its business references and confirmed that Halley received an average rating of 95 points out of a possible 110 points for three Florida Department of Transportation projects. As a result, DTPW found Halley to be responsive and responsible to the bid requirements. It is also worth noting that Halley is the same contractor recommended for award for Phase 3 (Part 1 of 2). Having the same contractor on both projects will allow for continuity in the final design and appearance of the final barrier configuration and will avoid conflicts between contractors for the restricted use of the guideway during installation. Therefore, DTPW recommends that the Construction Contract (refer to Exhibit 5), be awarded to Halley.

The Division of Small Business Development's (SBD) Compliance Report Database reflects that Halley has no record of open or closed small business, wage and/or workforce violations within the last three years. The project has been assigned a Community Workforce Program goal of 10 percent. According to the Firm History Report provided by SBD, within the last three years, Halley has not been awarded any contracts with the County as a Prime Contractor (refer to Exhibit 6).

The Project complies with all applicable federal, state and local regulations, including applicable Responsible Wages pursuant to Resolution No. R-54-10. It is anticipated that the Notice to Proceed to Halley will be issued within 30 days of Board approval. Halley has identified Eastern Rail Corp. as its first-tier supplier and Maytin Engineering Corp. as its sole subcontractor to be utilized for this project. Maytin Engineering Corp. was the Prime Contractor, awarded the Acoustical Barrier Replacement Phase 1 (Removal) project under Resolution No. R-150-19. The project was completed on time, within budget and with no reported incidents or accidents.

Track Record/Monitor

Leticia Smith, DTPW Chief of Contract Services and German Arenes, P.E., DTPW Chief, Construction, Structural Inspection and Analysis will be responsible for supervising, monitoring and inspecting all aspects of the project's implementation, deployment and administration.

Due Diligence

Due diligence was conducted in accordance with the Internal Services Department's Procurement Guidelines to determine contractor responsibility, including verifying corporate status. The lists that were referenced include: SunBiz, convicted vendors, debarred vendors, delinquent contractors, suspended vendors, federal excluded parties, and SBD's compliance report. There were no adverse findings related to contractor responsibility. This information is being provided pursuant to Resolution No. R-187-12.

Halley and its first-tier sub-contractor's safety records for the last three years were also considered. Copies of its Occupational Safety & Health Form 300 – Log of Work-Related Injuries and Illnesses and inspection data are on file with DTPW's Office of Safety and Security and are available upon request. This information is being provided pursuant to Resolution No. R-1181-18. Finally, Halley provided written confirmation that it has no discrimination lawsuits in the last ten years prior to the date of the solicitation. This information is being provided pursuant to Resolution No. R-828-19.



Jimmy Morales
Chief Operations Officer

EXHIBIT 1
ADDITIONAL PROJECT REQUIREMENTS

PROJECT NAME: Metrorail Acoustical Barrier Replacement Phase 3 (Part 2 of 2)

DTPW PROJECT NAME: Acoustical Barrier Replacement

DTPW PROJECT NO: CIP168

CONTRACT NO: CIP168-DTPW20-CT2

PROJECT

DESCRIPTION: DTPW has a need to obtain construction services for the replacement of a portion of the acoustical barriers located along the Metrorail system from Abutment AB-1-NS near the Dadeland South Station to AB-1381-NS, which is east of the Palmetto Station. This need has been divided into two projects, namely Phase 3 (Part 1 of 2) and Phase 3 (Part 2 of 2). For the total estimated budget needs and a specific list of all span locations where new acoustical barriers will be installed for each project, please refer to the attached Exhibit A. For Phase 3 (Part 1 of 2), which was advertised on May 21, 2020 (pending award), DTPW used criteria to prioritize replacement of type "B" acoustical barriers removed in areas where residential properties are within 150 feet from the guideway and also including areas adjacent to major hospitals and schools. This procurement will provide a Contractor for Phase 3 (Part 2 of 2) and addresses the remaining replacement of type "B" acoustical barriers which were recently removed.

Phase 3 (Part 2 of 2) consists of the testing, furnish and installation of a portion of acoustical barriers with associated hardware along the Metrorail system where Type "B" concrete acoustical barriers have been removed. The Contractor must comply with all applicable federal, state, and local regulations, including, but not limited to: Occupational Safety and Health Administration requirements and Fall Protection guidelines when performing all work. All work will be performed on an electrified, elevated guideway system, around and over busy streets and expressways.

The Contractor shall coordinate all Maintenance of Traffic needs with the agency having jurisdiction as required.

PROJECT LICENSE

REQUIREMENTS: Miami-Dade County Contractor's Certification is required in one of the following categories: General Building Contractor, General Engineering, or other categories as applicable to Chapter 10 of the Code, or State of Florida General Contractor's License.

USING

DEPARTMENT: Department of Transportation and Public Works

**EXHIBIT 1
ADDITIONAL PROJECT REQUIREMENTS**

MANAGING DEPARTMENT: Department of Transportation and Public Works

PTP FUNDING: Yes

ARRA FUNDING: No

GOB FUNDING: No

SUSTAINABLE BUILDINGS ORDINANCE: (I.O NO. 8-8) Did the Invitation to Bid contain Specific Language requiring compliance with the Sustainable Buildings Program?
Not Applicable

SEA LEVEL RISE ORD. NO. 14-79: The project involves the installation of new, lightweight acoustical barriers at elevations more than 15 feet above the sea water mean level. As such, the impact of Sea Level Rise has been considered in the project and the principles thereof were found to be not applicable.

TOTAL CONTRACT PERIOD: 610 Calendar Days Excludes Warranty Administration Period

CONTINGENCY PERIOD: 61 Calendar Days

IG FEE INCLUDED IN BASE CONTRACT: Yes

ART IN PUBLIC PLACES: No

COMPANY PRINCIPAL: Daniel I. Halley

COMPANY STREET / EMAIL ADDRESS: 13901 NW 118 Avenue
Miami, FL 33178
DHalley@halleyeng.com

YEARS IN BUSINESS: 14

REVIEW COMMITTEE: **MEETING DATE:** N/A **SIGNOFF DATE:** 7/31/2020

**EXHIBIT 1
ADDITIONAL PROJECT REQUIREMENTS**

**MINIMUM
QUALIFICATIONS**

EXCEED LEGAL No

REQUIREMENTS: Bidders should be able to demonstrate, through prior experience, the ability to construct projects of similar size and scope, as described in the project's Summary of Work. Bidders shall provide documentation that demonstrates their ability to satisfy all the minimum qualification requirements.

**MANDATORY
CLEARING**

HOUSE: Yes

EXHIBIT 2

ESTIMATED BUDGET

TOTAL ESTIMATED CONSTRUCTION BUDGET: \$74,825,990.00

PHASE 3 (PART 1 OF 2) ESTIMATED BUDGET BREAKDOWN: \$35,000,000.00

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
1	General Conditions	LS	1	\$2,198,418	\$2,198,418
2	Mobilization	LS	1	\$7,000,000	\$7,000,000
3	Maintenance of Traffic	LS	1	\$272,024	\$272,024
4	Traffic Control Officer	LS	1	\$27,202	\$27,202
5	Acoustical Panels with Posts	LF	42,771	\$636	\$27,202,356
	TOTAL BASE BID				\$31,700,000
01010.01	Allowance Account for Unforeseen Changes - 10% of Base Bid	LS	1	\$3,170,000	\$3,170,000
01010.02	Dedicated Allowance for Potential Structural Damage Repairs	LS	1	\$130,000	\$130,000
	BID TOTAL INCLUDING (Base Bid total, plus Allowance Account for Unforeseen Changes, plus Dedicated Allowance for Potential Structural Damage Repairs):				\$35,000,000

PHASE 3 (PART 2 OF 2) ESTIMATED BUDGET BREAKDOWN: \$38,761,215.00

9/21/2020

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
1	General Conditions	LS	1	\$2,483,513	\$2,483,513
2	Mobilization	LS	1	\$926,207	\$926,207
3	Maintenance of Traffic	LS	1	\$313,646	\$313,646
4	Traffic Control Officer	LS	1	\$31,365	\$31,365
5	Acoustical Panels with Posts	LF	49,393	\$635	\$31,364,555
	TOTAL BASE BID				\$35,119,286
01010.01	Allowance Account for Unforeseen Changes - 10% of Base Bid	LS	1	\$3,511,929	\$3,511,929
01010.02	Dedicated Allowance for Potential Structural Damage Repairs	LS	1	\$130,000	\$130,000
	BID TOTAL INCLUDING (Base Bid total, plus Allowance Account for Unforeseen Changes, plus Dedicated Allowance for Potential Structural Damage Repairs):				\$38,761,215



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Metrorail Acoustical Barrier Replacement - Phase 3 (Part 1 of 2)

Updated: 10/02/2020

Estimated Installation Month	Installation Site No.	Approximate Installation Location			Installation Track side
		Along or Adjacent To:	From:	To:	
1	8, 9, 10, and 11	US-1/South Dixie Hwy.	Vizcaya Metrorail Station	Vizcaya Metrorail Station	West, East
	12	I-95 and US-1/South Dixie Hwy.	Pier 528-S (SW 30th Rd.)	AB-555-S (SW 24th Rd.)	West
2	7	US-1/South Dixie Hwy.	Pier 487-S (SW 16th Ave.)	Pier 513-S (SW 32nd Rd.)	West
3	6	US-1/South Dixie Hwy.	Pier 456-N (SW 19th Ave.)	Pier 513-N (South of SW 32nd Rd.)	East
4	5	US-1/South Dixie Hwy.	Pier 421-S (SW 24th Ave.)	Pier 442-S (SW 22nd Ave.)	West
	4	US-1/South Dixie Hwy.	Pier 374-N (SW 32nd Ave.)	Pier 389-N (SW 30th Ave.)	East
5	3	US-1/South Dixie Hwy.	Pier 358-N (North of SW 33rd Ct.)	Pier 362-N (SW 32nd Ct.)	East
	2	US-1/South Dixie Hwy.	Pier 374-S (North of SW 32nd Avenue)	Pier 378-S (SW 31st Avenue)	West
	1	US-1/South Dixie Hwy.	Pier 343-S (SW 40th Street/Bird Road)	Pier 369-S (SW 32nd Avenue)	West
	31	NW 27th Ave.	Pier 1064-S (N.W. 75th St.)	Pier 1072-NS (N.W. 77th Terrace)	West
6	32	NW 79th St.	Pier 1128-NS (N.W. 36th Ave.)	Pier 1140-NS (Tri-Rail Metrorail Station)	North
	35	Across Community	Pier 1176-NS (E 25th St.)	Pier 1201-N (East of E. 4th Ave. Flamingo Way)	North, West
	36	W 21st St.	Pier 1246-S (W. 1st Ave.)	Pier 1255-S (W. 2nd Ave.)	South
7	33	Across Community	Pier 1176-NS (E 25th St.)	Pier 1201-N (East of E. 4th Ave. Flamingo Way)	South, East
	34	E 25th St.	Pier 1169-NS (E. 8th Ave.)	Pier 1176-nS (E. 7th Ave.)	North
8	25	Earlington Heights Metrorail Station)	Pier 888-N (Inside Earlington Heights Station)	Pier 889-N (Inside Earlington Heights Station)	North
	26	SR-112 Airport Expressway	Pier 910-N (NW 23rd Ct.)	Pier 914-N (N.W. 24th Ave.)	North
	27	NW 27th Ave.	Pier 953-NS (NW 48th St.)	Pier 965-NS (N.W. 51st St.)	West
	28	NW 27th Ave.	Pier 965-NS (N.W. 51st St.)	Pier 967-NS (N.W. 52nd St.)	West
	29	NW 27th Ave.	Pier 953-NS (NW 48th St.)	Pier 965-NS (N.W. 51st St.)	East
	30	NW 27th Ave.	Pier 965-NS (N.W. 51st St.)	Pier 967-NS (N.W. 52nd St.)	East
9	24	NW 12th Ave., over SR-112, NW 40th St.	Pier 828-N (NW 36th St.)	Pier 884-N (N.W. 19th Ave.)	East, North
10	23	NW 12th Ave., over SR-112	Pier 828-S (NW 36th St.)	Pier 842-S (S.R. 112 – Airport Expressway)	West
11	22	NW 12th Ave.	Pier 778-N (NW 24th St.)	Pier 816-N (NW 33rd St.)	East
12	21	NW 12th Ave.	Pier 776-NS (NW 23rd St.)	Pier 816-S (NW 33rd St.)	West
13	20	WASD Facility and Shopping Center	Pier 707-N (NW 10th Ave.)	Pier 714-NS (S.R. 836 – Dolphin Expressway)	North
	19	NW 11th St.	Pier 698-N (NW 11th St. Rd.)	Pier 707-N (NW 10th Ave.)	North
	18	NW 11th St.	Pier 697-S (NW 11th St. Rd.)	Pier 705-S-2 (NW 10th Ave.)	South
14	17	NW 1st Ave.	Pier 655-N (NW 10th St.)	Pier 659-N (NW 9th St.)	East
	16	SW 1st Ave.	Pier 583-S (SW 10th St.)	Pier 595-S (North of SW 7th St.)	West
	15	SW 1st Ave.	Pier 582-S (SW 10th St.)	Pier 583-S (SW 9th St.)	West
	14	SW 1st Ave.	Pier 569-N (SW 30th Rd.)	Pier 576-N (SW 24th Rd.)	East
	13	SW 1st Court	Pier 557-S (SW 17th Rd.)	Pier 576-S (SW 11th St.)	West



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Metrorail Acoustical Barrier Replacement - Phase 3 (Part 2 of 2)

Updated: 10/06/2020

Estimated Installation Month	Installation Site No.	Approximate Installation Location			Installation Track side
		Along or Adjacent To:	From:	To:	
1	1	US-1/South Dixie Hwy.	Pier 18-S (SW 72nd Ct.)	Pier 21-S (SW 90th St.)	South
	2	US-1/South Dixie Hwy.	Pier 72-S (SW 67th Ave.)	Pier 79-S (SW 80th St.)	South
	3	US-1/South Dixie Hwy.	Pier 76-N (SW 67th Ave.)	Pier 86-N (North of SW 80th St.)	North
	4	US-1/South Dixie Hwy.	Pier 98-S (SW 63rd Ave.)	103-S (North of SW 63rd Ave.)	South
	5	US-1/South Dixie Hwy.	Pier 108-S (South of SW 62nd Ave.)	Pier 124-S (S.W. 73rd St.)	South
	6	US-1/South Dixie Hwy.	Pier 124-S (South of SW 61st Ave.)	125-S (S.W. 73rd St.)	South
2	7	US-1/South Dixie Hwy.	Pier 98-N (South of SW 63rd Ave.)	Pier 125-N (S.W. 73rd St.)	North
	8	US-1/South Dixie Hwy.	Pier 157-S (S.W. 57th Ave.)	Pier 163-S (Yumuri St.)	South
	9	US-1/South Dixie Hwy.	Pier 163-S (S.W. 57th Ave.)	Pier 167-S (Madruga Ct.)	South
	10	US-1/South Dixie Hwy.	Pier 171-N (Madruga Ct.)	Pier 190-N (Caballero Blvd.)	North
	11	US-1/South Dixie Hwy.	Pier 207-S (Inside University Station)	Pier 208-S (Inside University Station)	South
3	12	US-1/South Dixie Hwy.	Pier 208-S (Mariposa Ct.)	Pier 230-S (Marius St.)	South
	13	US-1/South Dixie Hwy.	Pier 230-S (Marius St.)	Pier 253-S (Donatello St.)	South
4	14	US-1/South Dixie Hwy.	Pier 221-N (Stanford Dr.)	Pier 253-N (Donatello St.)	North, East
	15	US-1/South Dixie Hwy.	Pier 266-S (Riviera Dr.)	Pier 275-S (Suarez St.)	South
	16	US-1/South Dixie Hwy.	Pier 282-S (Riviera Dr.)	Pier 291-S (Suarez St.)	South
5	17	US-1/South Dixie Hwy.	Pier 266-N (Riviera Dr.)	Pier 272-N (Suarez St.)	North
	18	US-1/South Dixie Hwy.	Pier 272-N (Maggiore St.)	302-N (Ponce De Leon Blvd.)	North
	19	US-1/South Dixie Hwy.	Pier 340-S (S.W. 37th Ave.)	Pier 341-S (S.W. 40 St.)	South
	20	US-1/South Dixie Hwy.	Pier 341-S (S.W. 36th Ave.)	Pier 343-S (S.W.40th St.)	South
	21	US-1/South Dixie Hwy.	Pier 369-S (S.W. 32nd Ave. / McDonald St.)	Pier 374-S (S.W. 31st Ave. / Bridgeport Ave.)	South
	22	US-1/South Dixie Hwy.	Pier 383-S (S.W. 30th Ct.)	Pier 392-S (S.W. 29th Ave.)	South
	23	US-1/South Dixie Hwy.	Pier 340-N (S.W. 36th Ave.)	Pier 355-N (S.W. 33rd Ct.)	North
6	24	US-1/South Dixie Hwy.	Pier 355-N (S.W. 34th Ave.)	Pier 358-N (S.W. 33rd Ct.)	North
	25	US-1/South Dixie Hwy.	Pier 362-N (W. Trade Ave.)	Pier 370-N (S.W. 32nd Ave. / McDonald St.)	North
	26	US-1/South Dixie Hwy.	Pier 370-N (S.W. 32nd Ave. / McDonald St.)	Pier 374-N (S.W. 31st Ave. / Bridgeport Ave.)	North
	27	US-1/South Dixie Hwy.	Pier 389-N (Virginia St.)	Pier 396-N (Inside of Coconut Grove Station)	North
	28	US-1/South Dixie Hwy.	Pier 408-S (S.W. 27th Ave.)	Pier 413-S (Secoffee Terrace)	South
	29	US-1/South Dixie Hwy.	Pier 404-N (S.W. 27th Ave.)	Pier 421-N (S.W. 24th Ave.)	North
7	30	US-1/South Dixie Hwy.	Pier 421-N (S.W. 24th Ave.)	PPier 433-N (S.W. 23rd Ave.)	North
	31	US-1/South Dixie Hwy.	Pier 413-S (Secoffee Terrace.)	Pier 421-S (S.W. 24th Ave.)	South
	32	US-1/South Dixie Hwy.	Pier 474-S (S.W.17th Ave.)	Pier 483-S (S.W. 16th Ave.)	South
	33	US-1/South Dixie Hwy.	Pier 433-N (S.W. 22nd Ave.)	Pier 456-N (S.W. 19th Ave.)	North
	60	W. 21st St.	Pier 1255-NS (W. 2nd Ave.)	Pier 1260-NS (W. 3rd Ave.)	East



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Metrorail Acoustical Barrier Replacement - Phase 3 (Part 2 of 2)

Updated: 10/06/2020

Estimated Installation Month	Installation Site No.	Approximate Installation Location			Installation Track side
		Along or Adjacent To:	From:	To:	
8	59	W. 21st St.	Pier 1240-S (Palm Ave.)	Pier 1246-S (W. 1st Ave.)	East
	58	E. 21st St.	Pier 1201-NS (E. 5th Ave.)	Pier 1206-NS (E. 4th Ave. / Flamingo Way)	West
	57	E. 25th St / N.W. 79th St.	Pier 1152-NS (E. 10th Ave.)	Pier 1169-NS (E. 8th Ave.)	West
9	56	E. 25th St / N.W. 79th St.	Pier 1169-NS (E. 8th Ave.)	Pier 1178-NS (E. 7th Ave.)	East
	55	E. 25th St / N.W. 79th St.	Pier 1152-NS (E. 10th Ave.)	Pier 1169-NS (E. 8th Ave.)	East
	54	N.W. 79th St.	Pier 1128-NS (N.W. 36th Ave.)	Pier 1134-NS (N.W. 36th Pl.)	East
10	53	N.W. 79th St.	Pier 1113-NS (N.W. 33rd Ave.)	Pier 1128-NS (N.W. 36th Ave.)	West
11	52	N.W. 79th St.	Pier 1106-NS (N.W. 32nd Ave.)	Pier 1128-NS (N.W. 36th Ave.)	East
12	51	N.W. 79th St.	Pier 1095-NS (N.W. 31st Ave.)	Pier 1097-NS (Inside Northside Station)	East
	50	N.W. 79th St.	Pier 1083-NS (N.W. 30th Ave.)	Pier 1095-NS (N.W. 31st Ave.)	East
	49	N.W. 79th St.	Pier 1072-NS (N.W. 77th St.)	Pier 1083-NS (N.W. 79th St.)	South
	48	N.W. 27th Ave.	Pier 1022-NS (N.W. 64th St.)	Pier 1040-NS (N.W. 69th St.)	North
	47	N.W. 27th Ave.	Pier 1021-NS (Inside of M. L. King Station)	Pier 1022-NS (N.W. 65th St.)	North
13	46	N.W. 27th Ave.	Pier 1029-NS (N.W. 67th St.)	Pier 1046-NS (N.W. 71st St.)	South
	45	N.W. 27th Ave.	Pier 987-NS (N.W. 56th St.)	Pier 991-NS (N.W. 57th St.)	North
	44	N.W. 27th Ave.	Pier 980-NS (N.W. 54th St.)	Pier 987-NS (N.W. 56th St.)	North
	43	N.W. 27th Ave.	Pier 987-NS (N.W. 61st St.)	Pier 1007-NS (N.W. 56th St.)	South
14	42	N.W. 27th Ave.	980-NS (N.W. 54th St.)	Pier 987-NS (N.W. 56th St.)	South
	41	N.W. 27th Ave.	Pier 946-NS (N.W. 46th St.)	Pier 953-NS (N.W. 48th St.)	North
	40	N.W. 27th Ave.	Pier 946-NS (N.W. 46th St.)	Pier 953-NS (N.W. 48th St.)	South
15	34	S.W. 1st Ave.	Pier 557-N (S.W. 17th Rd.)	Pier 569-N (S.W. 13th St.)	North
	35	N.W. 3rd Ave.	Pier AB671-NS (N.W. 3rd Ave.)	Pier AB672-NS (N.W. 3rd Ave.)	South
	36	N.W. 3rd Ave.	Pier AB671-NS (N.W. 3rd Ave.)	Pier AB672-NS (N.W. 3rd Ave.)	North
16	37	N.W. 12th Ave.	Pier 776-NS (N.W. 24th St.)	Pier 778-N (N.W. 25th St.)	North
	38	S.R 112 – Airport Expressway	Pier 884-N (N.W. 12th Ave.)	Pier 888-N (Inside Earlington Heights Station)	West
	39	S.R 112 – Airport Expressway	Pier 863-NS (N.W. 16th Ave.)	Pier 872-S (N.W. 18th Ave.)	East

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 41

From: Pier 946-NS (N.W. 46th St.)

To: Pier 953-NS (N.W. 48th St.)

Scope of Work: 562 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

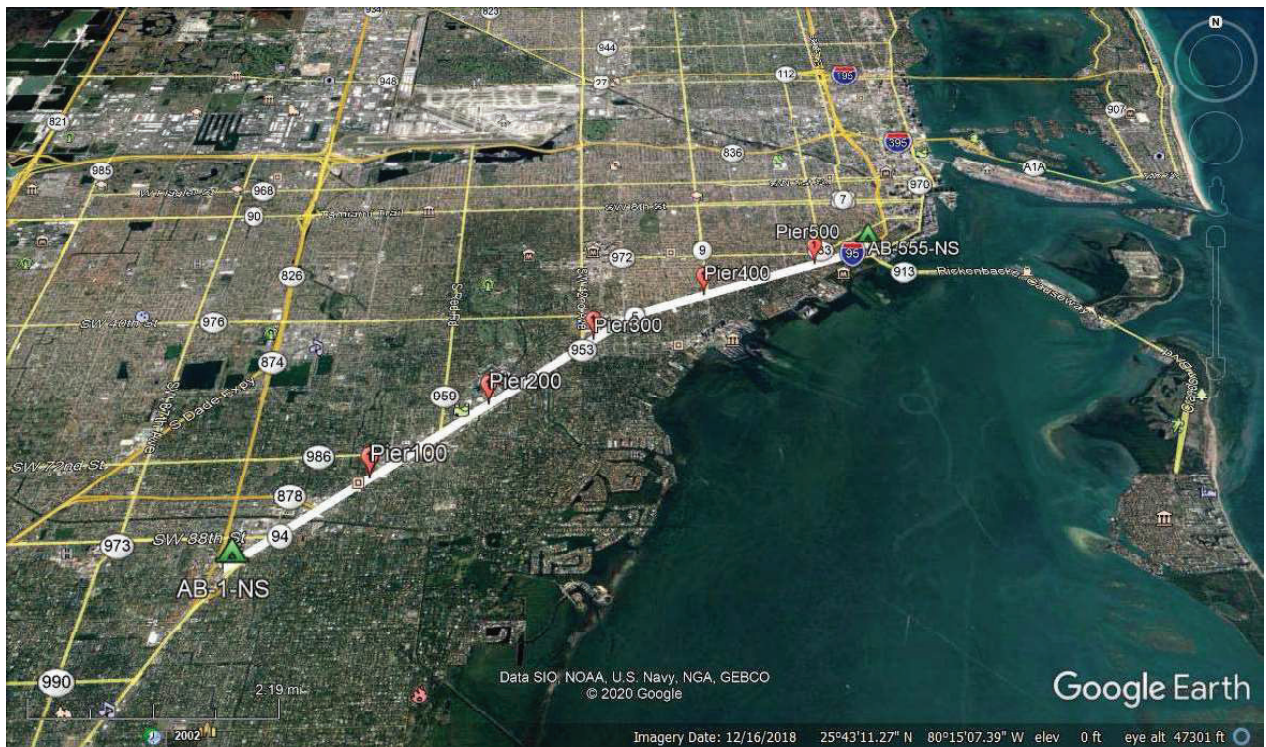
METRORAIL ELEVATED GUIDEWAY GENERAL BRIDGE LOCATIONS

METRORAIL ELEVATED GUIDEWAY SEPARATED BY DESIGNATED BRIDGES

Metrorail Bridge 1

(Approximate length: 8.5 miles)

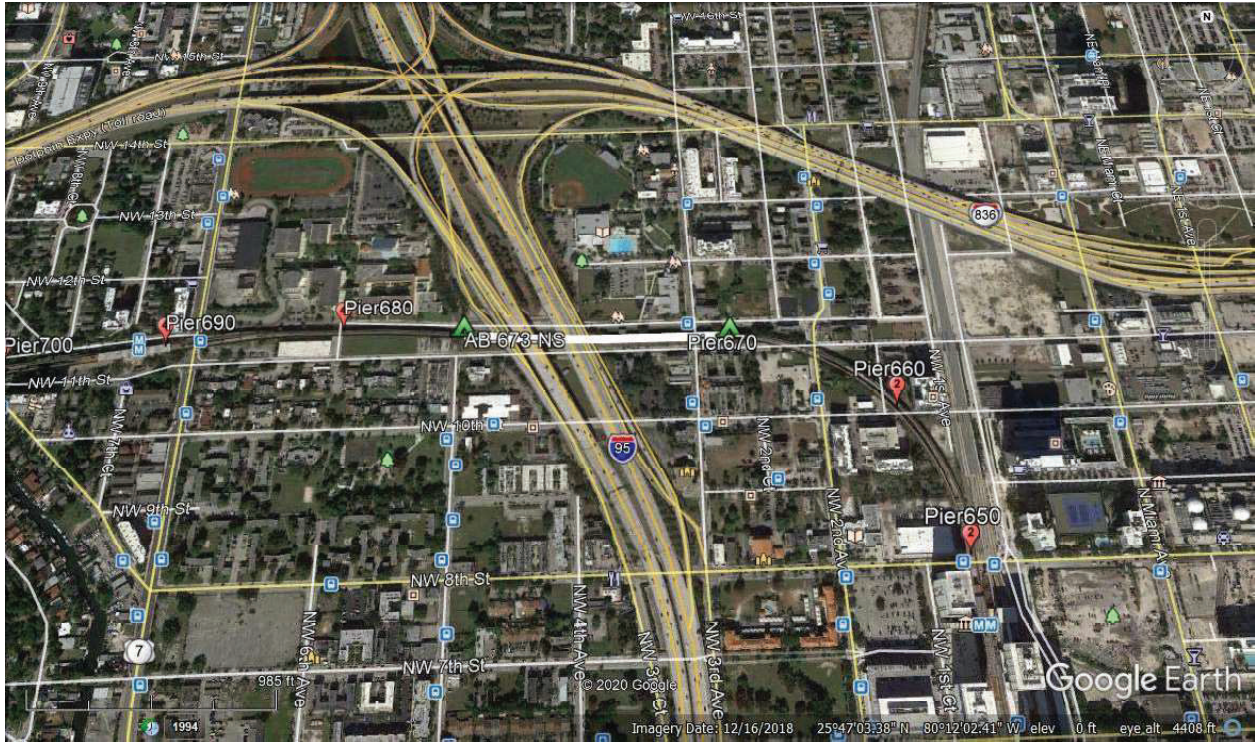
Parallel to US-1 from Dadeland South to the I-95 crossing



Metrorail Bridge 3

(Approximate length: 0.2 miles)

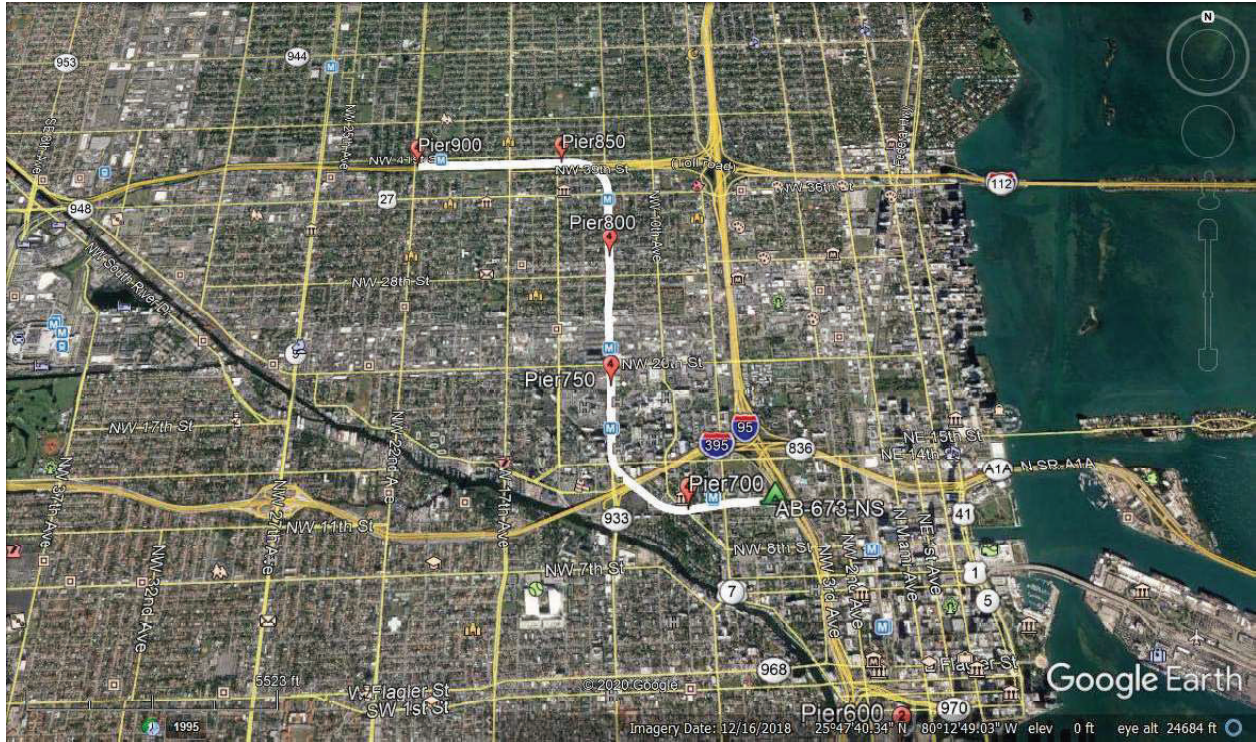
Elevated and ballasted area at Overtown, under the I-95 overpass



Metrorail Bridge 4

(Approximate length: 3.50 miles)

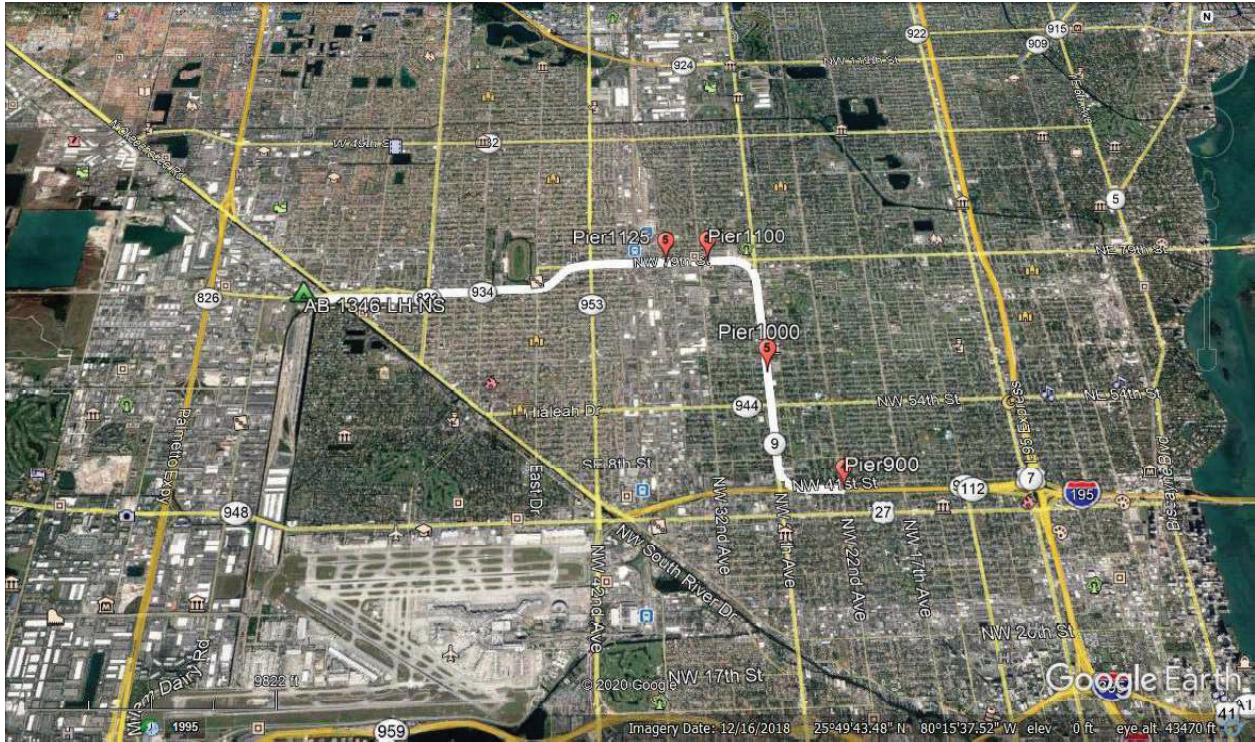
From the Culmer area to the Earlington Heights area



Metrorail Bridge 5

(Approximate length: 6.30 miles)

From Earlington Heights area to west of the Okeechobee Station



SPECIFIC ACOUSTICAL BARRIER INSTALLATION LOCATION FOR

PHASE 3 (PART 1 OF 2) AND PHASE 3 (PART 2 OF 2)

Due to budget constraints, this need has been divided into two projects; Phase 3 Part 1 of 2 and Phase 3 Part 2 of 2. DTPW used criteria to **prioritize replacement of the acoustical barriers in areas where residential properties are within 150 feet from the guideway and including areas adjacent to major hospitals.**

The following is a specific list of all span locations where new acoustical barriers will be installed during Phase 3 parts 1 and 2.

PHASE 3 (PART 1 OF 2)
ESTIMATED INSTALLATION SITES
SPECIFIC LOCATION MAPS



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Metrorail Acoustical Barrier Replacement - Phase 3 (Part 1 of 2)

Updated: 10/02/2020

Estimated Installation Month	Installation Site No.	Approximate Installation Location			Installation Track side
		Along or Adjacent To:	From:	To:	
1	8, 9, 10, and 11	US-1/South Dixie Hwy.	Vizcaya Metrorail Station	Vizcaya Metrorail Station	West, East
	12	I-95 and US-1/South Dixie Hwy.	Pier 528-S (SW 30th Rd.)	AB-555-S (SW 24th Rd.)	West
2	7	US-1/South Dixie Hwy.	Pier 487-S (SW 16th Ave.)	Pier 513-S (SW 32nd Rd.)	West
3	6	US-1/South Dixie Hwy.	Pier 456-N (SW 19th Ave.)	Pier 513-N (South of SW 32nd Rd.)	East
4	5	US-1/South Dixie Hwy.	Pier 421-S (SW 24th Ave.)	Pier 442-S (SW 22nd Ave.)	West
	4	US-1/South Dixie Hwy.	Pier 374-N (SW 32nd Ave.)	Pier 389-N (SW 30th Ave.)	East
5	3	US-1/South Dixie Hwy.	Pier 358-N (North of SW 33rd Ct.)	Pier 362-N (SW 32nd Ct.)	East
	2	US-1/South Dixie Hwy.	Pier 374-S (North of SW 32nd Avenue)	Pier 378-S (SW 31st Avenue)	West
	1	US-1/South Dixie Hwy.	Pier 343-S (SW 40th Street/Bird Road)	Pier 369-S (SW 32nd Avenue)	West
	31	NW 27th Ave.	Pier 1064-S (N.W. 75th St.)	Pier 1072-NS (N.W. 77th Terrace)	West
6	32	NW 79th St.	Pier 1128-NS (N.W. 36th Ave.)	Pier 1140-NS (Tri-Rail Metrorail Station)	North
	35	Across Community	Pier 1176-NS (E 25th St.)	Pier 1201-N (East of E. 4th Ave. Flamingo Way)	North, West
	36	W 21st St.	Pier 1246-S (W. 1st Ave.)	Pier 1255-S (W. 2nd Ave.)	South
7	33	Across Community	Pier 1176-NS (E 25th St.)	Pier 1201-N (East of E. 4th Ave. Flamingo Way)	South, East
	34	E 25th St.	Pier 1169-NS (E. 8th Ave.)	Pier 1176-nS (E. 7th Ave.)	North
8	25	Earlington Heights Metrorail Station)	Pier 888-N (Inside Earlington Heights Station)	Pier 889-N (Inside Earlington Heights Station)	North
	26	SR-112 Airport Expressway	Pier 910-N (NW 23rd Ct.)	Pier 914-N (N.W. 24th Ave.)	North
	27	NW 27th Ave.	Pier 953-NS (NW 48th St.)	Pier 965-NS (N.W. 51st St.)	West
	28	NW 27th Ave.	Pier 965-NS (N.W. 51st St.)	Pier 967-NS (N.W. 52nd St.)	West
	29	NW 27th Ave.	Pier 953-NS (NW 48th St.)	Pier 965-NS (N.W. 51st St.)	East
	30	NW 27th Ave.	Pier 965-NS (N.W. 51st St.)	Pier 967-NS (N.W. 52nd St.)	East
9	24	NW 12th Ave., over SR-112, NW 40th St.	Pier 828-N (NW 36th St.)	Pier 884-N (N.W. 19th Ave.)	East, North
10	23	NW 12th Ave., over SR-112	Pier 828-S (NW 36th St.)	Pier 842-S (S.R. 112 – Airport Expressway)	West
11	22	NW 12th Ave.	Pier 778-N (NW 24th St.)	Pier 816-N (NW 33rd St.)	East
12	21	NW 12th Ave.	Pier 776-NS (NW 23rd St.)	Pier 816-S (NW 33rd St.)	West
13	20	WASD Facility and Shopping Center	Pier 707-N (NW 10th Ave.)	Pier 714-NS (S.R. 836 – Dolphin Expressway)	North
	19	NW 11th St.	Pier 698-N (NW 11th St. Rd.)	Pier 707-N (NW 10th Ave.)	North
	18	NW 11th St.	Pier 697-S (NW 11th St. Rd.)	Pier 705-S-2 (NW 10th Ave.)	South
14	17	NW 1st Ave.	Pier 655-N (NW 10th St.)	Pier 659-N (NW 9th St.)	East
	16	SW 1st Ave.	Pier 583-S (SW 10th St.)	Pier 595-S (North of SW 7th St.)	West
	15	SW 1st Ave.	Pier 582-S (SW 10th St.)	Pier 583-S (SW 9th St.)	West
	14	SW 1st Ave.	Pier 569-N (SW 30th Rd.)	Pier 576-N (SW 24th Rd.)	East
	13	SW 1st Court	Pier 557-S (SW 17th Rd.)	Pier 576-S (SW 11th St.)	West

Miami-Dade County Department of Transportation and Public Works
Acoustical Barrier Replacement
Location and Quantities - Phase 3 - Part 1 of 2

Location Map:

Tentative
Schedule

Month 1 Site #12
Month 1 Site #11
Month 1 Site #10
Month 1 Site # 9
Month 1 Site # 8
Month 2 Site # 7
Month 3 Site # 6
Month 4 Site # 5
Month 4 Site # 4
Month 5 Site # 3
Month 5 Site # 2
Month 5 Site # 1

Bridge 1								Girder Connections
start			end			length (feet)		
Pier Name	Pier #	Station	Pier Name	Pier #	Station	total	Type	
S 1857 OB	AB-555-S	185+70.99	S 2068 OB	528-S	206+80.51	2109.52	B	
S 2116 OB	522-S	211+56.94	S 2124 OB	521-S	212+36.94	80.00	B	
S 2124 OB	521-S	212+36.94	S 2132 OB	520-S	213+16.94	80.00	D	
S 2180 OB	514-S	217+96.94	S 2188 OB	513-S	218+76.94	80.00	D	
S 2180 IB	514-N	217+96.94	S 2188 IB	513-N	218+76.94	80.00	D	
S 2188 OB	513-S	218+76.94	S 2397 OB	487-S	239+66.70	2089.76	B	
S 2188 IB	513-N	218+76.94	S 2655 IB	456-N	265+47.90	4670.96	B	
S 2767 OB	442-S	276+67.90	S 2940 OB	421-S	294+02.87	1734.97	B	
S 3198 IB	389-N	319+79.89	S 3214 IB	374-N	331+94.46	1214.57	B	
S 3415 IB	362-N	341+49.66	S 3447 IB	358-N	344+69.66	320.00	B	
S 3287 OB	378-S	328+74.36	S 3319 OB	374-S	331+94.46	320.10	B	
S 3359 OB	369-S	335+94.46	S 3577 OB	343-S	357+60.99	2166.53	B	
Sub-Total						14946.41	feet	

Miami-Dade County Department of Transportation and Public Works
Acoustical Barrier Replacement
Location and Quantities - Phase 3 - Part 1 of 2

Location Map:

Tentative
Schedule

Month 14 Site # 13
 Month 14 Site # 14
 Month 14 Site # 15
 Month 14 Site # 16
 Month 14 Site # 17

Bridge 2									Girder Connections Type
start			end			length (feet)			
Pier Name	Pier #	Station	Pier Name	Pier #	Station	total			
N 448 IB	557-S	44+80.24	N 604 IB	576-S	60+44.66	1564.42		B	
N 546 OB	569-N	54+58.45	N 604 OB	576-N	60+44.66	586.21		B	
N 652 IB	582-S	65+24.66	N 660 IB	583-S	66+04.66	80.00		D	
N 660 IB	583-S	66+04.66	N 776 IB	595-S	77+63.37	1158.71		A*	
N 1329 OB	655-N	132+85.99	N 1357 OB	659-N	135+72.99	287.00		B	
Sub-Total						3676.34		feet	

* Only location where height above ground to center of panel is greater than 40 feet. Provide lightning protection details at this location.

Location Map:

Tentative
Schedule

Month 13 Site # 18
 Month 13 Site # 19
 Month 13 Site # 20
 Month 12 Site # 21
 Month 11 Site # 22
 Month 10 Site # 23
 Month 9 Site # 24
 Month 8 Site # 25
 Month 8 Site # 26

Bridge 3									Girder Connections Type
start			end			length (feet)			
Pier Name	Pier #	Station	Pier Name	Pier #	Station	total			
Sub-Total						0.00		feet	

Bridge 4									Girder Connections Type
start			end			length (feet)			
Pier Name	Pier #	Station	Pier Name	Pier #	Station	total			
N 1770 IB	697-S	176+95.00	N 1841 IB	705-S-2	184+14.65	719.65		B	
N 1778 OB	698-N	177+75.00	N 1856 OB	707-N	185+57.92	782.92		B	
N 1856 OB	707-N	185+57.92	N 1921 OB	714-NS	192+07.03	649.11		A	
N 2426 IB	776-NS	242+60.99	N 2729 IB	816-S	272+90.97	3029.98		B	
N 2446 OB	778-N	244+56.71	N 2729 OB	816-N	272+90.97	2834.26		B	
N 2827 IB	828-S	282+67.10	N 2952 IB	842-S	295+24.73	1257.63		B	
N 2826 OB	828-N	282+62.56	N 3299 OB	884-N	329+85.57	4723.01		B	
N 3330 OB	888-N	333+03.15	N 3338 OB	889-N	333+83.15	80.00		D	
N 3515 OB	910-N	351+47.61	N 3550* OB	914-N	354+97.61	350.00		B	
Sub-Total						14426.56		feet	

* Bridge 5

Miami-Dade County Department of Transportation and Public Works
Acoustical Barrier Replacement
Location and Quantities - Phase 3 - Part 1 of 2

Location Map:

Tentative
Schedule

		Bridge 5						Girder	
		start			end			length (feet)	Connections
		Pier Name	Pier #	Station	Pier Name	Pier #	Station	total	Type
Month 8	Site # 27	N 3873 IB	953-NS	387+26.67	N 3971 IB	965-NS	397+12.70	986.03	B
Month 8	Site # 28	N 3971 IB	965-NS	397+12.70	N 3987 IB	967-NS	398+74.70	162.00	A
Month 8	Site # 29	N 2873 OB	953-NS	387+26.67	N 3971 OB	965-NS	397+12.70	986.03	B
Month 8	Site # 30	N 3971 OB	965-NS	397+12.70	N 3987 OB	967-NS	398+74.70	162.00	A
Month 5	Site # 31	H 1084 IB	1064-S	108+40.62	H 1148 IB	1072-NS	114+80.72	640.10	B
Month 6	Site # 32	H 1601 OB	1128-NS	160+05.21	H 1703 OB	1140-NS	170+36.50	1031.29	B
Month 7	Site # 33	H 2021 IB	1178-NS	202+09.56	H 2252 IB	1206-S	225+20.07	2310.51	B
Month 7	Site # 34	H 1942 OB	1169-NS	194+22.76	H 2002 OB	1176-NS	200+16.56	593.80	D
Month 6	Site # 35	H 2002 OB	1176-NS	200+16.56	H 2211 OB	1201-N	221+11.82	2095.26	B
Month 6	Site # 36	H 2579 IB	1246-S	257+92.57	H 2655 IB	1255-S	265+47.12	754.55	B
Sub-Total								9721.57	feet

Total Replacement Panels - Phase 3 (Part 1) 42771 feet

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 1

From: Pier 343-S (SW 40th Street/Bird Road)

To: Pier 369-S (SW 32nd Avenue)

Scope of Work: 2,167 linear feet – Southbound train side only (Yellow line)

Installation Scheduled:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 3

From: Pier 358-N (North of SW 33rd Ct.)

To: Pier 362-N (SW 32nd Ct.)

Scope of Work: 320 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 4

From: Pier 374-N (SW 32nd Ave.)

To: Pier 389-N (SW 30th Ave.)

Scope of Work: 1,215 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 5

From: Pier 421-S (SW 24th Ave.)

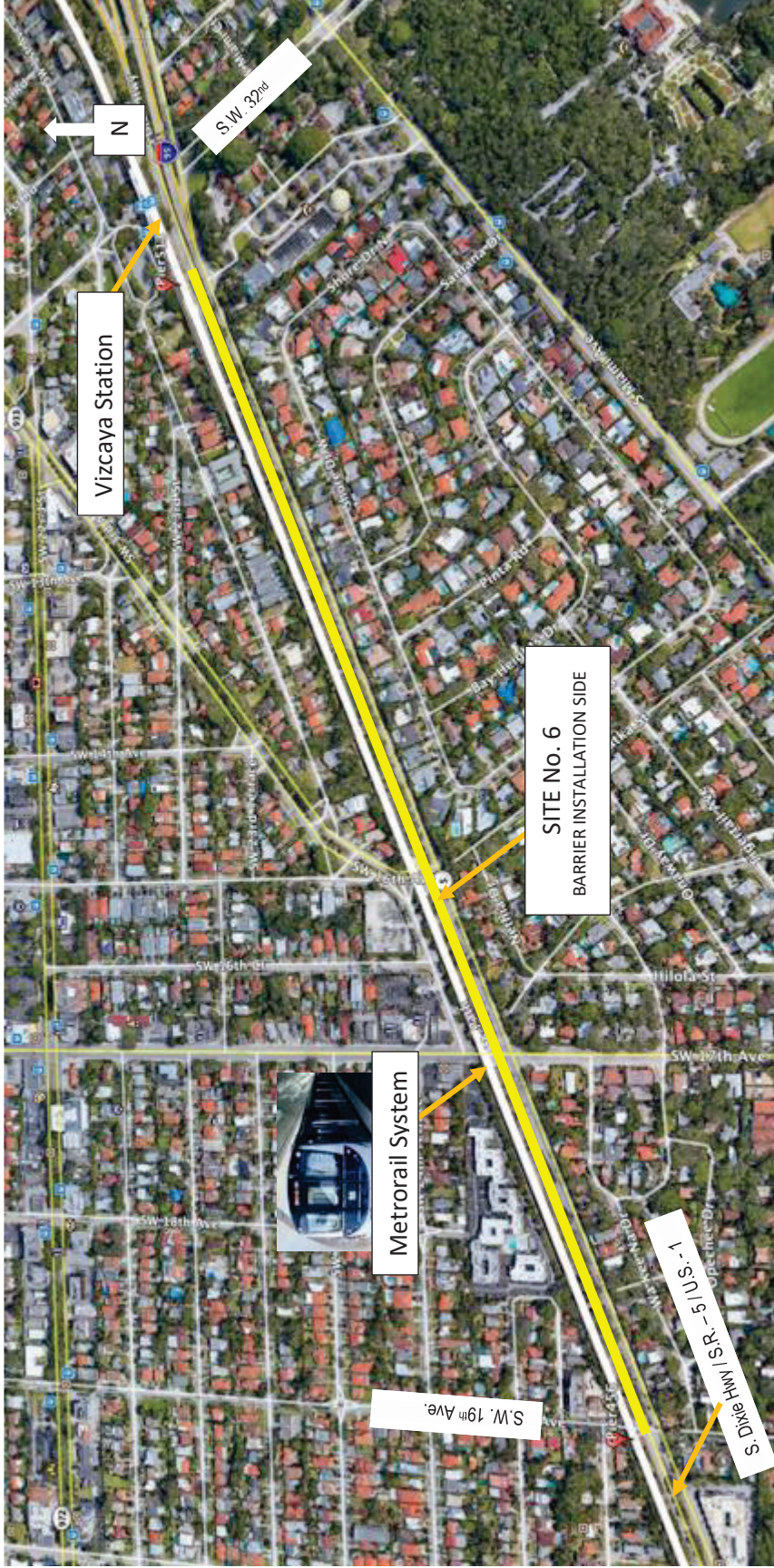
To: Pier 442-S (SW 22nd Ave.)

Scope of Work: 1,735 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 6

From: Pier 456-N (SW 19th Ave.)

To: Pier 513-N (South of SW 32nd Rd.)

Scope of Work: 4,671 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 7

From: Pier 487-S (SW 16th Ave.)

To: Pier 513-S (SW 32nd Rd.)

Scope of Work: 2,090 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 8

From: Pier 513-N (Inside Vizcaya Station)

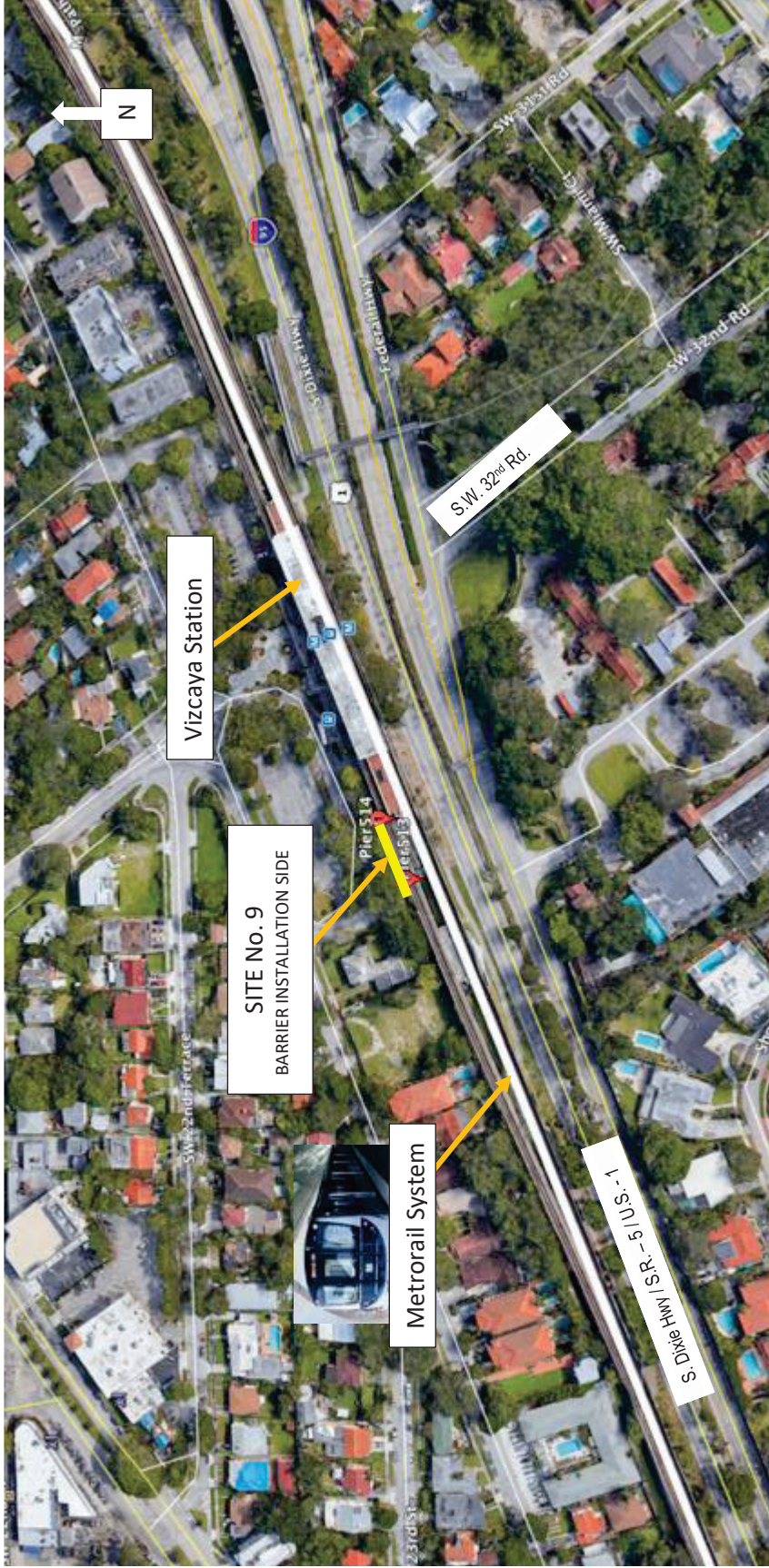
To: Pier 514-N (Inside Vizcaya Station)

Scope of Work: 80 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 9

From: Pier 513-S (Inside Vizcaya Station)

To: Pier 514-S (Inside Vizcaya Station)

Scope of Work: 80 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 10

From: Pier 520-S (Inside Vizcaya Station)

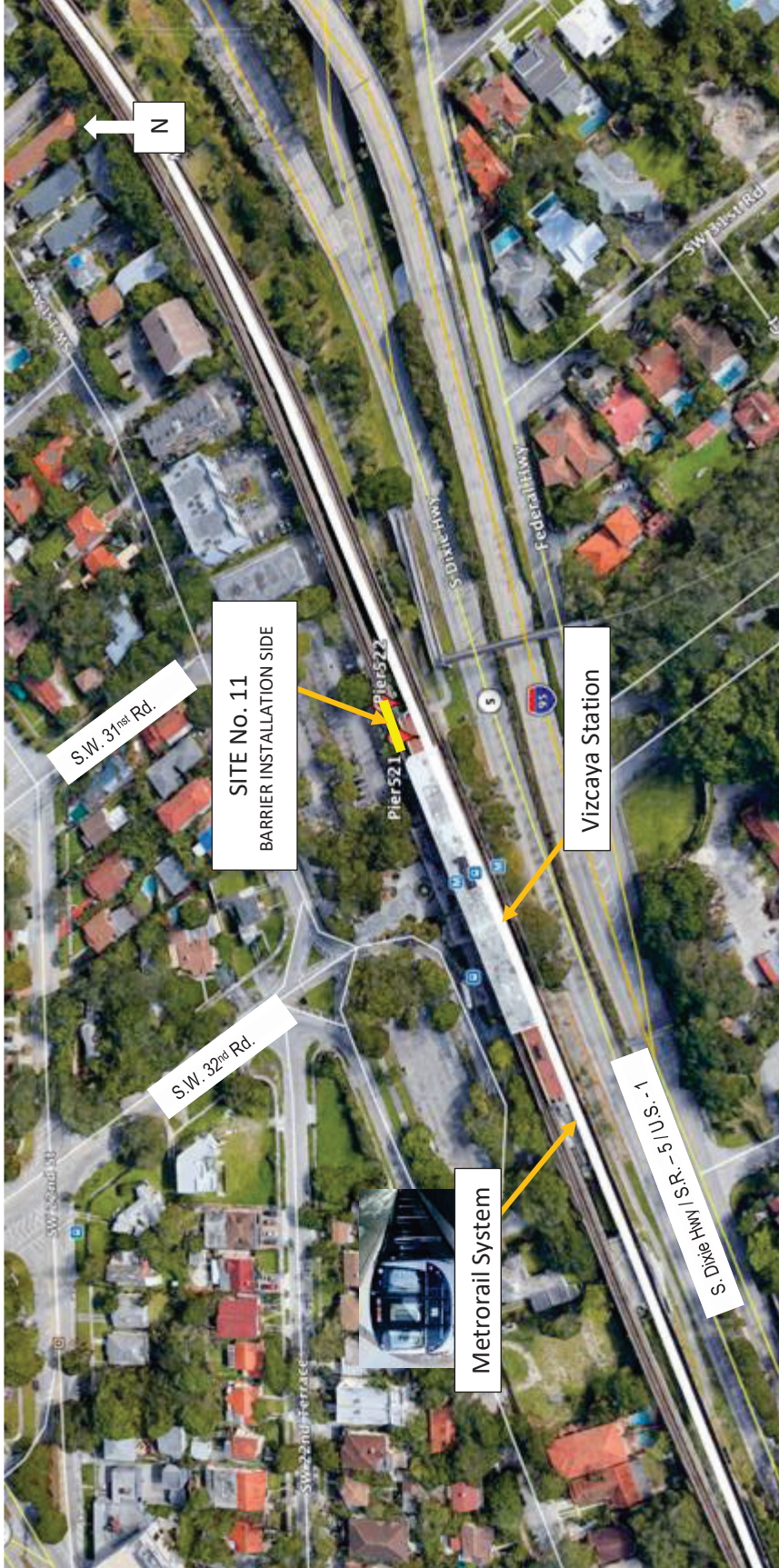
To: Pier 521-S (Inside Vizcaya Station)

Scope of Work: 80 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 11

From: Pier 521-S (Inside Vizcaya Station)

To: Pier 522-S (Inside Vizcaya Station)

Scope of Work: 80 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

		Projected Installation Month													
		1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 12

From: Pier 528-S (SW 30th Rd.)

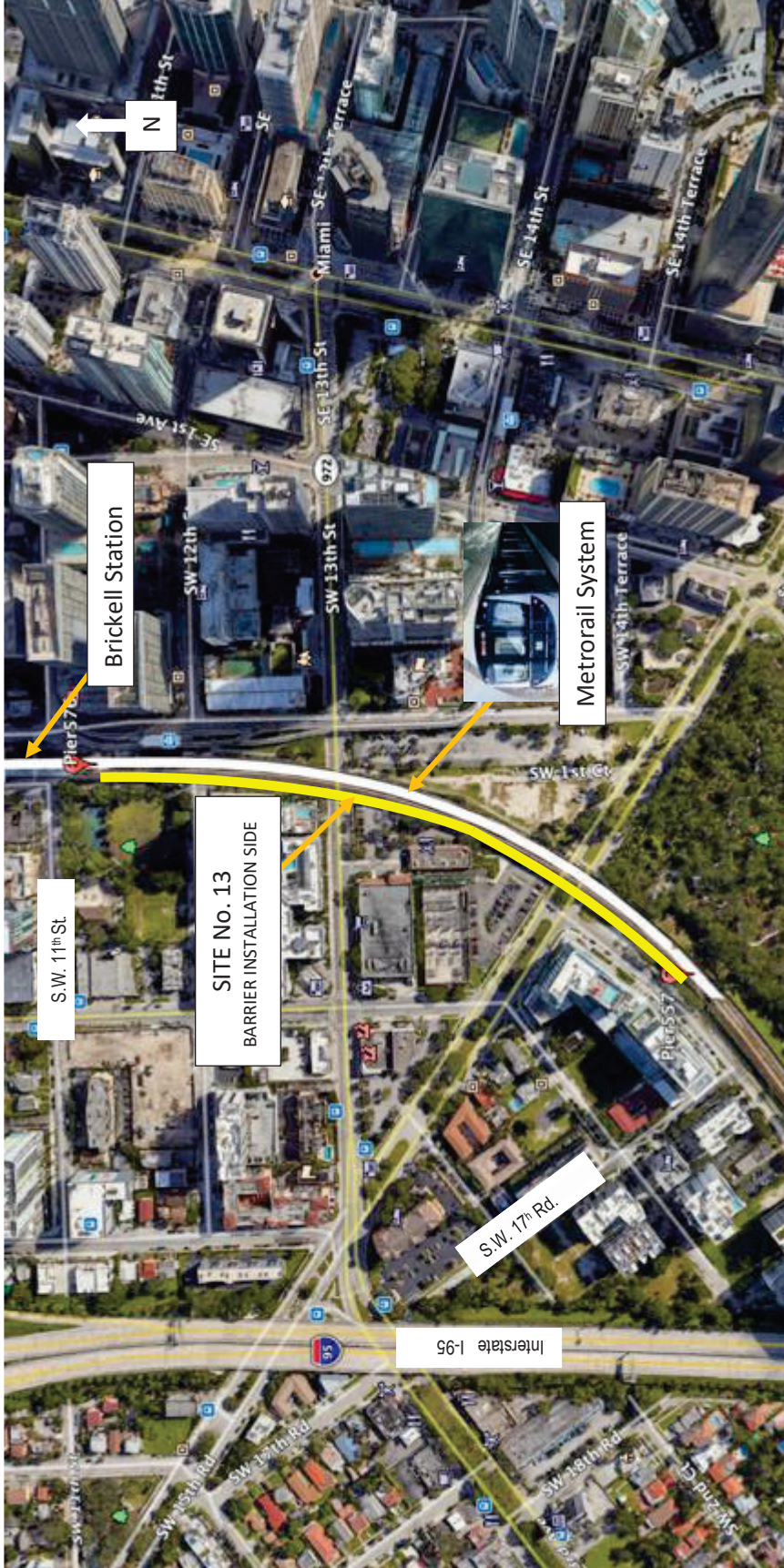
To: Pier AB-555-S (SW 24th Rd.)

Scope of Work: 2,110 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 13

From: Pier 557-S (SW 17th Rd.)

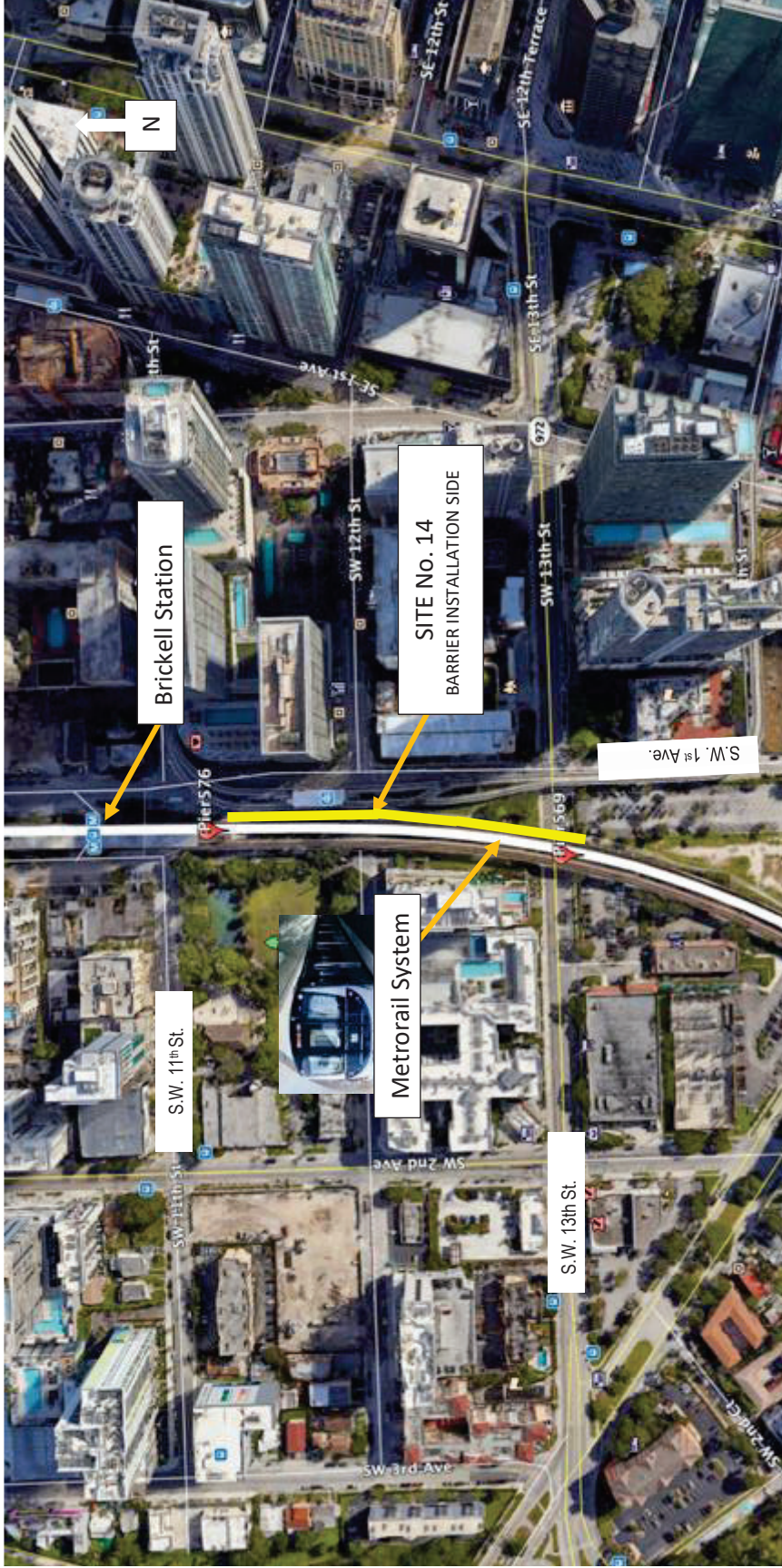
To: Pier 576-S (SW 11th St.)

Scope of Work: 1,565 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 14

From: Pier 569-N (SW 30th Rd.)

To: Pier 576-N (SW 24th Rd.)

Scope of Work: 586 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 15

From: Pier 582-S (SW 10th St.)

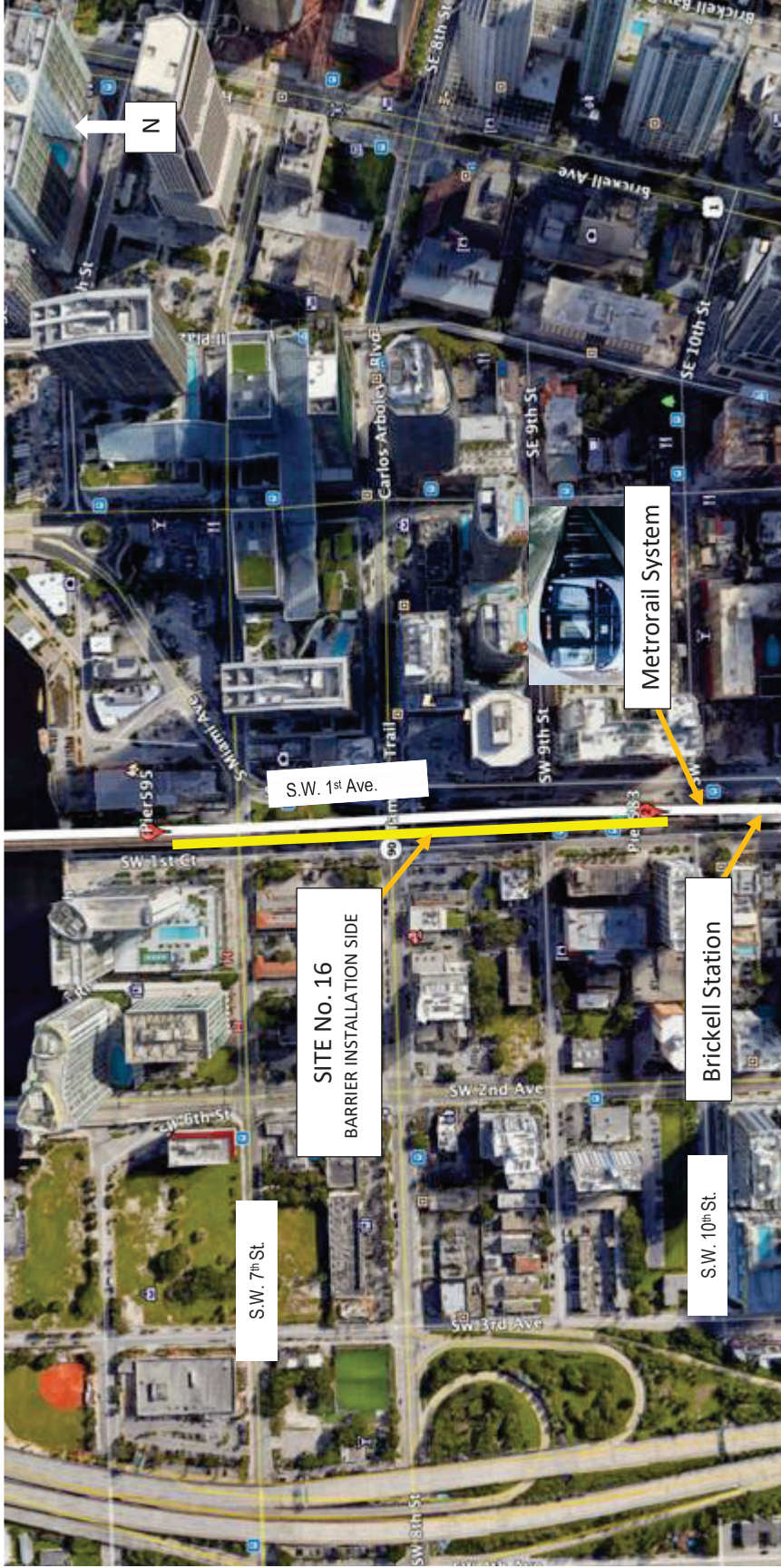
To: Pier 583-S (SW 9th St.)

Scope of Work: 80 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 16

From: Pier 583-S (SW 10th St.)

To: Pier 595-S (North of SW 7th St.)

Scope of Work: 1,159 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 18

From: Pier 697-S (NW 11th St. Rd.)

To: Pier 705-S-2 (NW 10th Ave.)

Scope of Work: 720 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 19

From: Pier 698-N (NW 11th St. Rd.)

To: Pier 707-N (NW 10th Ave.)

Scope of Work: 783 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 20

From: Pier 707-N (NW 10th Ave.)

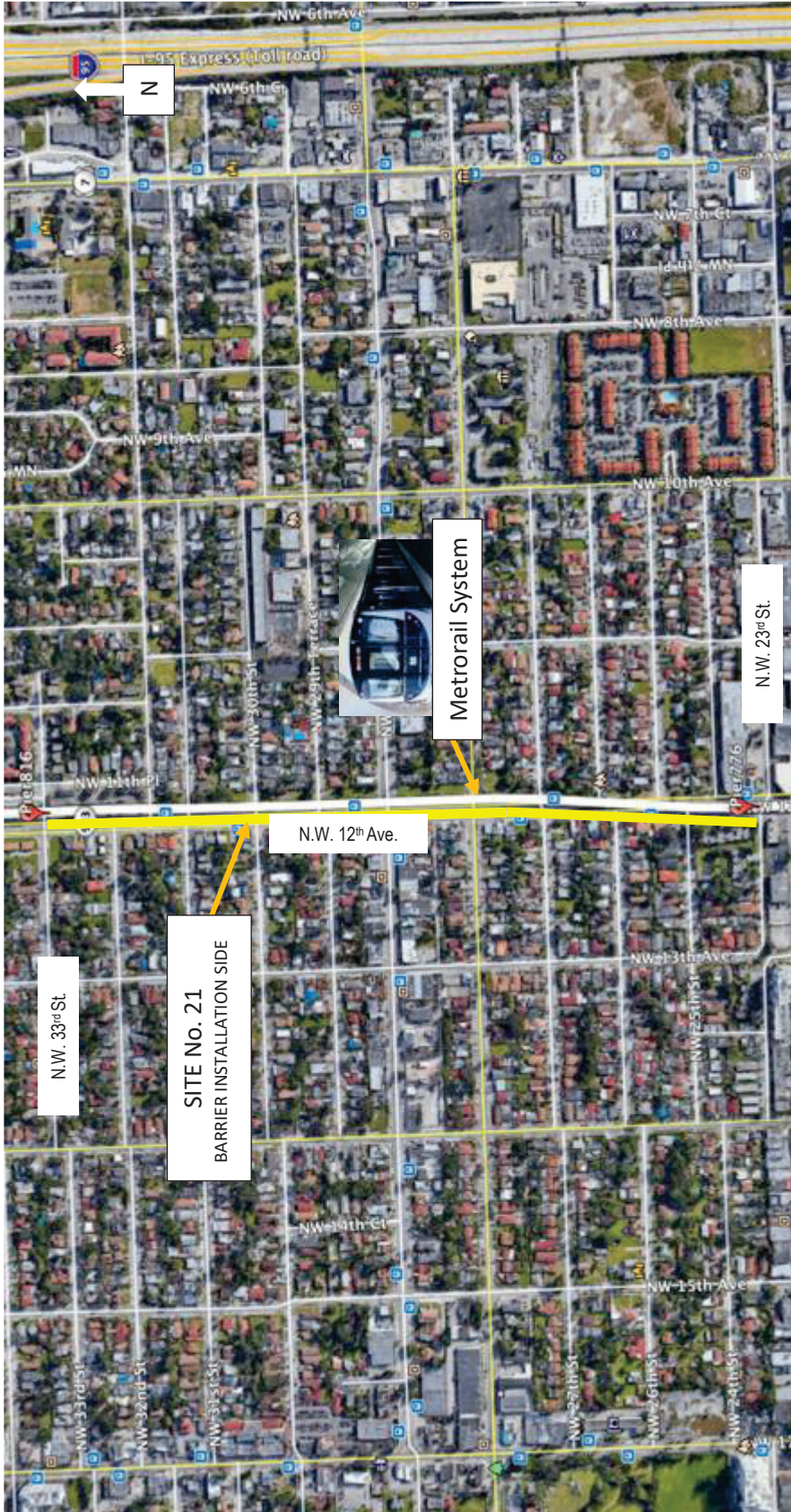
To: Pier 714-NS (S.R. 836 – Dolphin Expressway)

Scope of Work: 649 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 21

From: Pier 776-NS (NW 23rd St.)

To: Pier 816-S (NW 33rd St.)

Scope of Work: 3,030 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metro rail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 22

From: Pier 778-N (NW 24th St.)

To: Pier 816-N (NW 33rd St.)

Scope of Work: 2,834 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 23

From: Pier 828-S (NW 36th St.)

To: Pier 842-S (S.R. 112 – Airport Expressway)

Scope of Work: 1,258 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 24

From: Pier 828-N (NW 36th St.)

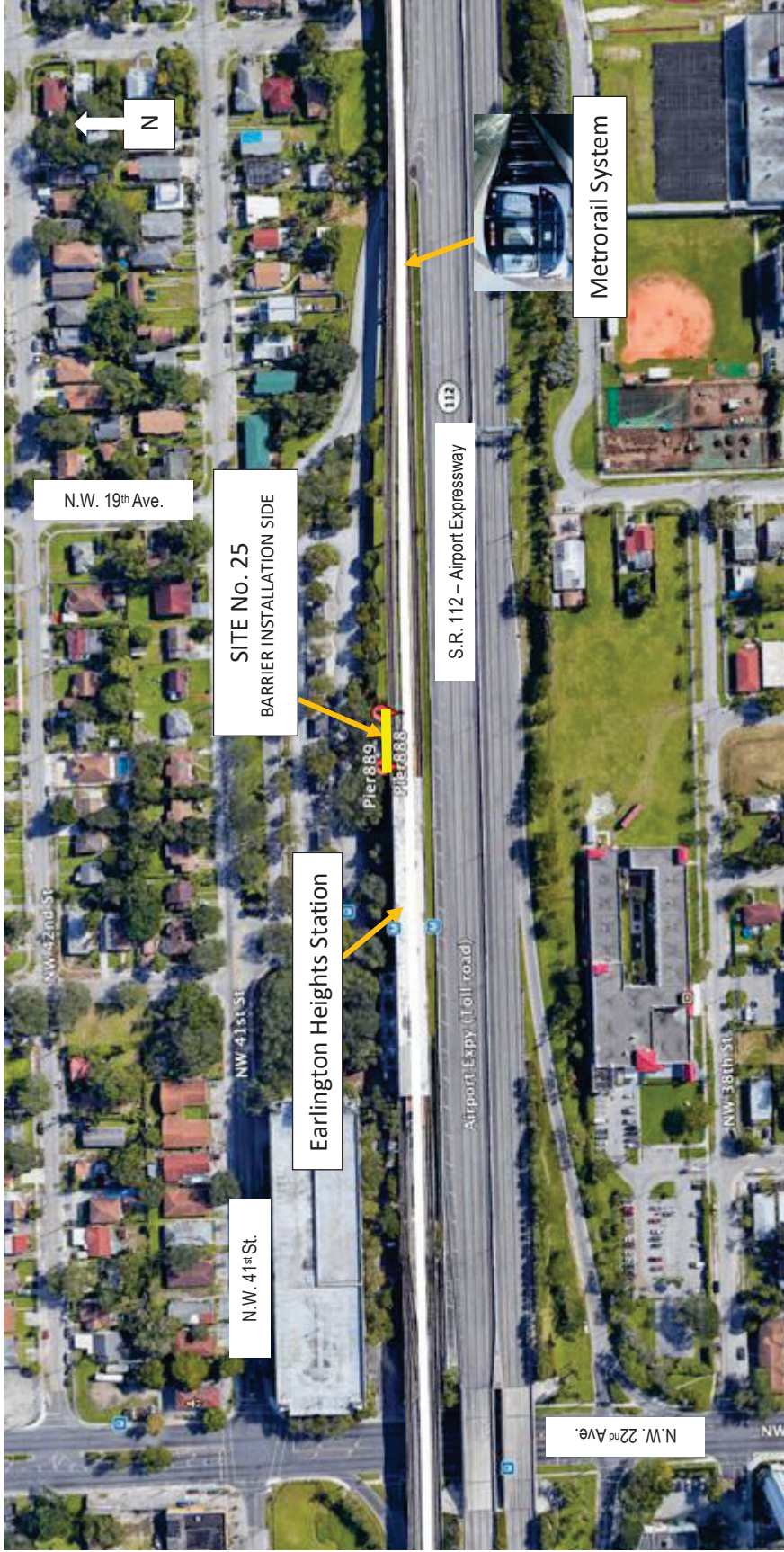
To: Pier 884-N (N.W. 19th Ave.)

Scope of Work: 4,723 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 25

From: Pier 888-N (Inside Earlington Heights Station)

To: Pier 889-N (Inside Earlington Heights Station)

Scope of Work: 80 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 26

From: Pier 910-N (NW 23rd Ct.)

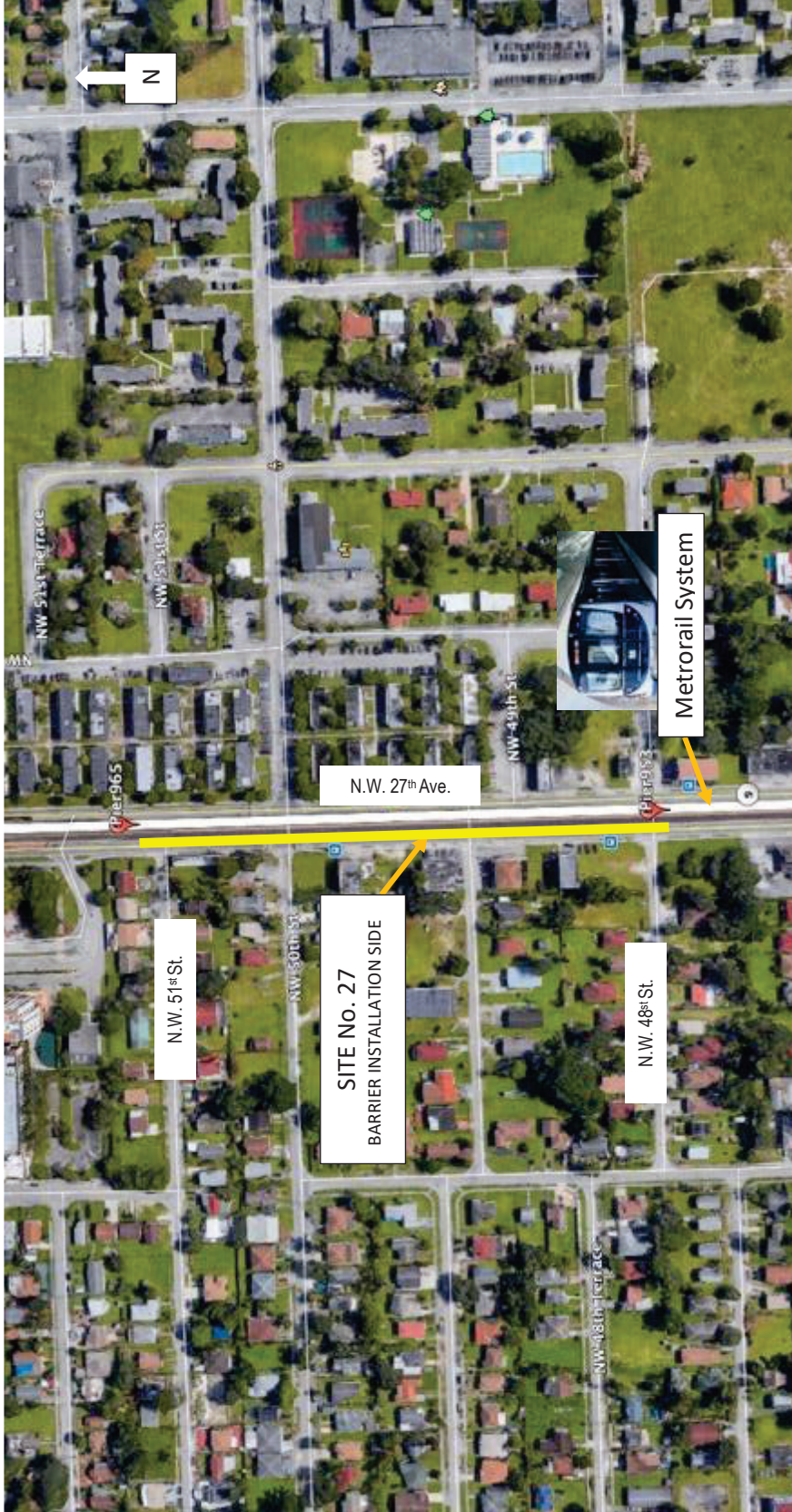
To: Pier 914-N (N.W. 24th Ave.)

Scope of Work: 350 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 27

From: Pier 953-NS (NW 48th St.)

To: Pier 965-NS (N.W. 51st St.)

Scope of Work: 986 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 28

From: Pier 965-NS (N.W. 51st St.)

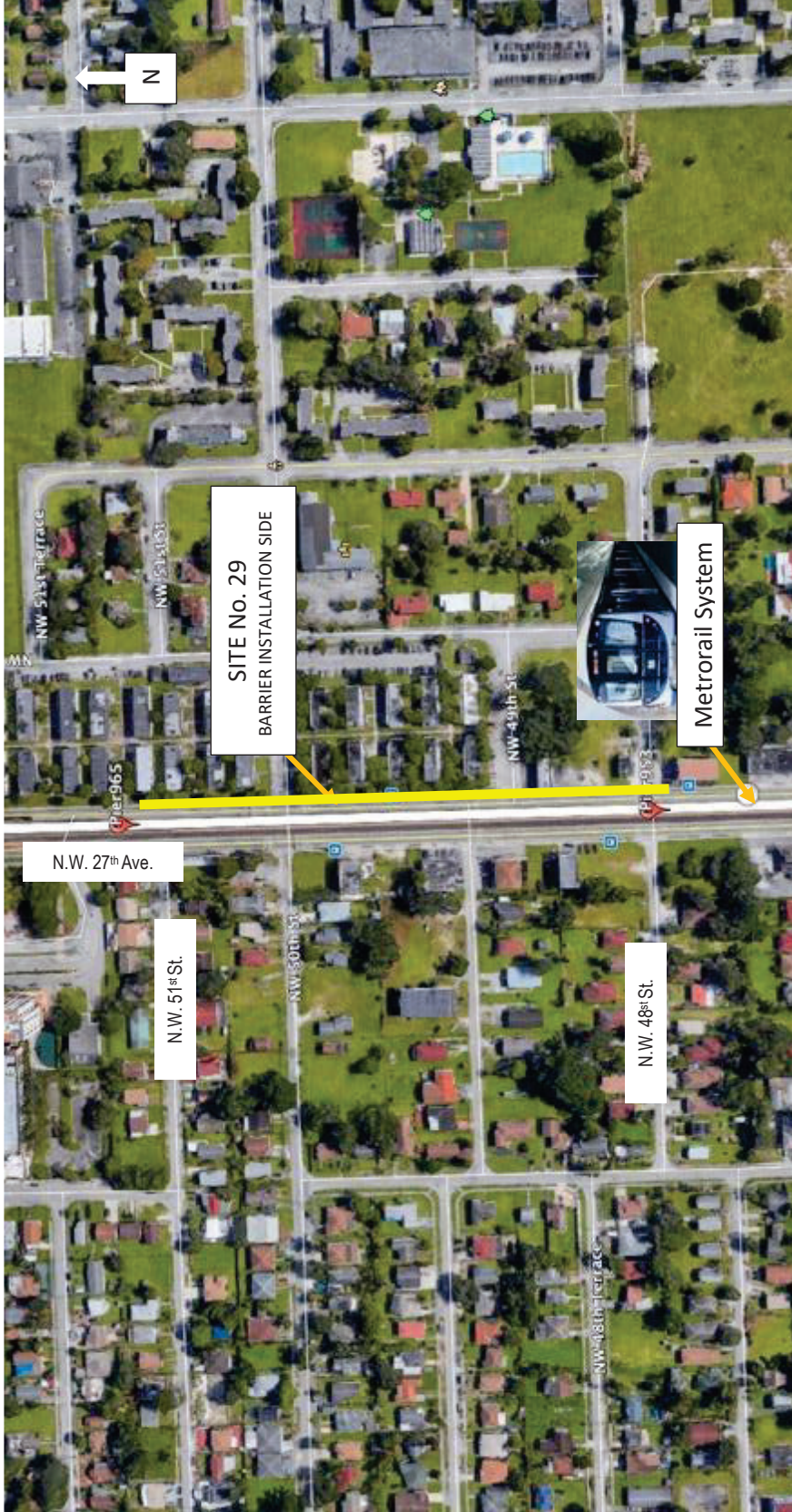
To: Pier 967-NS (N.W. 52nd St.)

Scope of Work: 162 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 29

From: Pier 953-NS (NW 48th St.)

To: Pier 965-NS (N.W. 51st St.)

Scope of Work: 986 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrotrans Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 30

From: Pier 965-NS (N.W. 51st St.)

To: Pier 967-NS (N.W. 52nd St.)

Scope of Work: 162 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 31

From: Pier 1064-S (N.W. 75th St.)

To: Pier 1072-NS (N.W. 77th Terrace)

Scope of Work: 640 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 32

From: Pier 1128-NS (N.W. 36th Ave.)

To: Pier 1140-NS (Tri-Rail Station)

Scope of Work: 1,031 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 33

From: Pier 1178-NS (E. 7th Ave.)

To: Pier 1206-S (E. 4th Ave. Flamingo Way)

Scope of Work: 2,310 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 34

From: Pier 1169-NS (E. 8th Ave.)

To: Pier 1176-nS (E. 7th Ave.)

Scope of Work: 594 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 35

From: Pier 1176-NS (N.W. 36th Ave.)

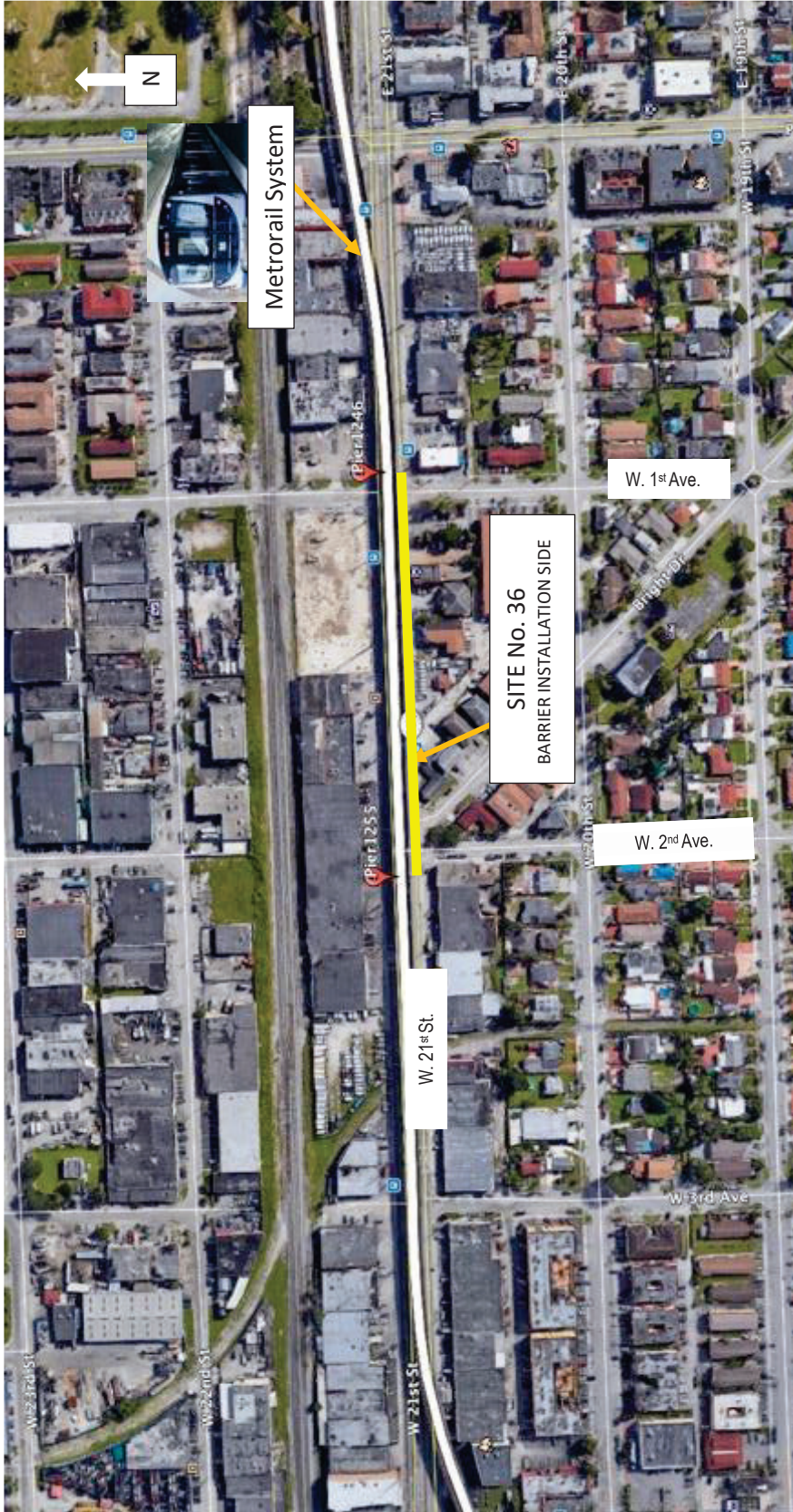
To: Pier 1201-N (E. 4th Ave. Flamingo Way)

Scope of Work: 2,095 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 1 of 2)



SITE No. 36

From: Pier 1246-S (W. 1st Ave.)

To: Pier 1255-S (W. 2nd Ave.)

Scope of Work: 755 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month													
1	2	3	4	5	6	7	8	9	10	11	12	13	14

PHASE 3 (PART 2 OF 2)
ESTIMATED INSTALLATION SITES
SPECIFIC LOCATION MAPS



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Metrorail Acoustical Barrier Replacement - Phase 3 (Part 2 of 2)

Updated: 10/06/2020

Estimated Installation Month	Installation Site No.	Approximate Installation Location			Installation Track side
		Along or Adjacent To:	From:	To:	
1	1	US-1/South Dixie Hwy.	Pier 18-S (SW 72nd Ct.)	Pier 21-S (SW 90th St.)	South
	2	US-1/South Dixie Hwy.	Pier 72-S (SW 67th Ave.)	Pier 79-S (SW 80th St.)	South
	3	US-1/South Dixie Hwy.	Pier 76-N (SW 67th Ave.)	Pier 86-N (North of SW 80th St.)	North
	4	US-1/South Dixie Hwy.	Pier 98-S (SW 63rd Ave.)	103-S (North of SW 63rd Ave.)	South
	5	US-1/South Dixie Hwy.	Pier 108-S (South of SW 62nd Ave.)	Pier 124-S (S.W. 73rd St.)	South
	6	US-1/South Dixie Hwy.	Pier 124-S (South of SW 61st Ave.)	125-S (S.W. 73rd St.)	South
2	7	US-1/South Dixie Hwy.	Pier 98-N (South of SW 63rd Ave.)	Pier 125-N (S.W. 73rd St.)	North
	8	US-1/South Dixie Hwy.	Pier 157-S (S.W. 57th Ave.)	Pier 163-S (Yumuri St.)	South
	9	US-1/South Dixie Hwy.	Pier 163-S (S.W. 57th Ave.)	Pier 167-S (Madruga Ct.)	South
	10	US-1/South Dixie Hwy.	Pier 171-N (Madruga Ct.)	Pier 190-N (Caballero Blvd.)	North
	11	US-1/South Dixie Hwy.	Pier 207-S (Inside University Station)	Pier 208-S (Inside University Station)	South
3	12	US-1/South Dixie Hwy.	Pier 208-S (Mariposa Ct.)	Pier 230-S (Marius St.)	South
	13	US-1/South Dixie Hwy.	Pier 230-S (Marius St.)	Pier 253-S (Donatello St.)	South
4	14	US-1/South Dixie Hwy.	Pier 221-N (Stanford Dr.)	Pier 253-N (Donatello St.)	North, East
	15	US-1/South Dixie Hwy.	Pier 266-S (Riviera Dr.)	Pier 275-S (Suarez St.)	South
	16	US-1/South Dixie Hwy.	Pier 282-S (Riviera Dr.)	Pier 291-S (Suarez St.)	South
5	17	US-1/South Dixie Hwy.	Pier 266-N (Riviera Dr.)	Pier 272-N (Suarez St.)	North
	18	US-1/South Dixie Hwy.	Pier 272-N (Maggiore St.)	302-N (Ponce De Leon Blvd.)	North
	19	US-1/South Dixie Hwy.	Pier 340-S (S.W. 37th Ave.)	Pier 341-S (S.W. 40 St.)	South
	20	US-1/South Dixie Hwy.	Pier 341-S (S.W. 36th Ave.)	Pier 343-S (S.W.40th St.)	South
	21	US-1/South Dixie Hwy.	Pier 369-S (S.W. 32nd Ave. / McDonald St.)	Pier 374-S (S.W. 31st Ave. / Bridgeport Ave.)	South
	22	US-1/South Dixie Hwy.	Pier 383-S (S.W. 30th Ct.)	Pier 392-S (S.W. 29th Ave.)	South
	23	US-1/South Dixie Hwy.	Pier 340-N (S.W. 36th Ave.)	Pier 355-N (S.W. 33rd Ct.)	North
6	24	US-1/South Dixie Hwy.	Pier 355-N (S.W. 34th Ave.)	Pier 358-N (S.W. 33rd Ct.)	North
	25	US-1/South Dixie Hwy.	Pier 362-N (W. Trade Ave.)	Pier 370-N (S.W. 32nd Ave. / McDonald St.)	North
	26	US-1/South Dixie Hwy.	Pier 370-N (S.W. 32nd Ave. / McDonald St.)	Pier 374-N (S.W. 31st Ave. / Bridgeport Ave.)	North
	27	US-1/South Dixie Hwy.	Pier 389-N (Virginia St.)	Pier 396-N (Inside of Coconut Grove Station)	North
	28	US-1/South Dixie Hwy.	Pier 408-S (S.W. 27th Ave.)	Pier 413-S (Secoffee Terrace)	South
	29	US-1/South Dixie Hwy.	Pier 404-N (S.W. 27th Ave.)	Pier 421-N (S.W. 24th Ave.)	North
7	30	US-1/South Dixie Hwy.	Pier 421-N (S.W. 24th Ave.)	PPier 433-N (S.W. 23rd Ave.)	North
	31	US-1/South Dixie Hwy.	Pier 413-S (Secoffee Terrace.)	Pier 421-S (S.W. 24th Ave.)	South
	32	US-1/South Dixie Hwy.	Pier 474-S (S.W.17th Ave.)	Pier 483-S (S.W. 16th Ave.)	South
	33	US-1/South Dixie Hwy.	Pier 433-N (S.W. 22nd Ave.)	Pier 456-N (S.W. 19th Ave.)	North
	60	W. 21st St.	Pier 1255-NS (W. 2nd Ave.)	Pier 1260-NS (W. 3rd Ave.)	East



DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS

Metrorail Acoustical Barrier Replacement - Phase 3 (Part 2 of 2)

Updated: 10/06/2020

Estimated Installation Month	Installation Site No.	Approximate Installation Location			Installation Track side
		Along or Adjacent To:	From:	To:	
8	59	W. 21st St.	Pier 1240-S (Palm Ave.)	Pier 1246-S (W. 1st Ave.)	East
	58	E. 21st St.	Pier 1201-NS (E. 5th Ave.)	Pier 1206-NS (E. 4th Ave. / Flamingo Way)	West
	57	E. 25th St / N.W. 79th St.	Pier 1152-NS (E. 10th Ave.)	Pier 1169-NS (E. 8th Ave.)	West
9	56	E. 25th St / N.W. 79th St.	Pier 1169-NS (E. 8th Ave.)	Pier 1178-NS (E. 7th Ave.)	East
	55	E. 25th St / N.W. 79th St.	Pier 1152-NS (E. 10th Ave.)	Pier 1169-NS (E. 8th Ave.)	East
	54	N.W. 79th St.	Pier 1128-NS (N.W. 36th Ave.)	Pier 1134-NS (N.W. 36th Pl.)	East
10	53	N.W. 79th St.	Pier 1113-NS (N.W. 33rd Ave.)	Pier 1128-NS (N.W. 36th Ave.)	West
11	52	N.W. 79th St.	Pier 1106-NS (N.W. 32nd Ave.)	Pier 1128-NS (N.W. 36th Ave.)	East
12	51	N.W. 79th St.	Pier 1095-NS (N.W. 31st Ave.)	Pier 1097-NS (Inside Northside Station)	East
	50	N.W. 79th St.	Pier 1083-NS (N.W. 30th Ave.)	Pier 1095-NS (N.W. 31st Ave.)	East
	49	N.W. 79th St.	Pier 1072-NS (N.W. 77th St.)	Pier 1083-NS (N.W. 79th St.)	South
	48	N.W. 27th Ave.	Pier 1022-NS (N.W. 64th St.)	Pier 1040-NS (N.W. 69th St.)	North
	47	N.W. 27th Ave.	Pier 1021-NS (Inside of M. L. King Station)	Pier 1022-NS (N.W. 65th St.)	North
13	46	N.W. 27th Ave.	Pier 1029-NS (N.W. 67th St.)	Pier 1046-NS (N.W. 71st St.)	South
	45	N.W. 27th Ave.	Pier 987-NS (N.W. 56th St.)	Pier 991-NS (N.W. 57th St.)	North
	44	N.W. 27th Ave.	Pier 980-NS (N.W. 54th St.)	Pier 987-NS (N.W. 56th St.)	North
	43	N.W. 27th Ave.	Pier 987-NS (N.W. 61st St.)	Pier 1007-NS (N.W. 56th St.)	South
14	42	N.W. 27th Ave.	980-NS (N.W. 54th St.)	Pier 987-NS (N.W. 56th St.)	South
	41	N.W. 27th Ave.	Pier 946-NS (N.W. 46th St.)	Pier 953-NS (N.W. 48th St.)	North
	40	N.W. 27th Ave.	Pier 946-NS (N.W. 46th St.)	Pier 953-NS (N.W. 48th St.)	South
15	34	S.W. 1st Ave.	Pier 557-N (S.W. 17th Rd.)	Pier 569-N (S.W. 13th St.)	North
	35	N.W. 3rd Ave.	Pier AB671-NS (N.W. 3rd Ave.)	Pier AB672-NS (N.W. 3rd Ave.)	South
	36	N.W. 3rd Ave.	Pier AB671-NS (N.W. 3rd Ave.)	Pier AB672-NS (N.W. 3rd Ave.)	North
16	37	N.W. 12th Ave.	Pier 776-NS (N.W. 24th St.)	Pier 778-N (N.W. 25th St.)	North
	38	S.R 112 – Airport Expressway	Pier 884-N (N.W. 12th Ave.)	Pier 888-N (Inside Earlington Heights Station)	West
	39	S.R 112 – Airport Expressway	Pier 863-NS (N.W. 16th Ave.)	Pier 872-S (N.W. 18th Ave.)	East

Miami-Dade County Department of Transportation and Public Works
Acoustical Barrier Replacement
Location and Quantities - Phase 3 - Part 2 of 2

Location Map:

Tentative
Schedule

Month 8 Site 33
Month 7 Site 32
Month 7 Site 31
Month 7 Site 30
Month 6 Site 29
Month 6 Site 28
Month 6 Site 27
Month 6 Site 26
Month 6 Site 25
Month 6 Site 24
Month 5 Site 23
Month 5 Site 22
Month 5 Site 21
Month 5 Site 20
Month 5 Site 19
Month 5 Site 18
Month 5 Site 17
Month 4 Site 16
Month 4 Site 15
Month 4 Site 14
Month 3 Site 13
Month 3 Site 12
Month 2 Site 11
Month 2 Site 10
Month 2 Site 9
Month 2 Site 8
Month 2 Site 7
Month 1 Site 6
Month 1 Site 5
Month 1 Site 4
Month 1 Site 3
Month 1 Site 2
Month 1 Site 1

Bridge 1									Girder
start			end			length (feet)	Connections		
S 2655 IB	456-N	265+47.90	S 2844 IB	433-N	284+36.30	1888.40	B		
S 2432 OB	483-S	243+20.94	S 2513 OB	474-S	251+33.44	812.50	B		
S 2940 OB	421-S	294+02.87	S 3004 OB	413-S	300+37.89	635.02	B		
S 2844 IB	433-N	284+36.30	S 2940 IB	421-N	294+02.87	966.57	D		
S 2940 IB	421-N	294+02.87	S 3078 IB	404-N	307+81.49	1378.62	D		
S 3004 OB	413-S	300+37.89	S 3044 OB	408-S	304+37.89	400.00	D		
S 3141 IB	396-N	314+09.89	S 3198 IB	389-N	319+79.89	570.00	D		
S 3214 IB	374-N	331+94.46	S 3351 IB	370-N	335+14.46	320.00	D		
S 3351 IB	370-N	335+14.46	S 3415 IB	362-N	341+49.66	635.20	B		
S 3447 IB	358-N	344+69.66	S 3471 IB	355-N	347+09.66	240.00	B		
S 3471 IB	355-N	347+09.66	S 3596 IB	340-N	359+56.00	1246.34	D		
S 3166 OB	392-S	316+59.89	S 3248 OB	383-S	324+77.85	817.96	D		
S 3319 OB	374-S	331+94.46	S 3359 OB	369-S	335+94.46	400.00	B		
S 3577 OB	343-S	357+60.99	S 3590 OB	341-S	359+02.73	141.74	B		
S 3590 OB	341-S	359+02.73	S 3598 OB	340-S	359+81.40	78.67	D		
S 3906 IB	302-N	390+51.11	S 4147 IB	272-N	414+65.00	2413.89	D		
S 3897 IB	272-N	414+65.00	S 4195 IB	266-N	419+45.00	480.00	B		
S 3992 OB	291-S	399+15.00	S 4067 OB	282-S	406+65.00	750.00	B		
S 4123 OB	275-S	412+25.00	S 4195 OB	266-S	419+45.00	720.00	B		
S 4298 IB	253-N	429+75.00	S 4552 IB	221-N	455+11.58	2536.58	B		
S 4298 OB	253-S	429+75.00	S 4482 OB	230-S	448+20.00	1845.00	B		
S 4482 OB	230-S	448+20.00	S 4655 OB	208-S	465+46.58	1726.58	B		
S 4655 OB	208-S	465+46.58	S 4663 OB	207-S	466+26.58	80.00	D		
S 4797 IB	190-N	479+66.87	S 4949 IB	171-N	494+86.58	1519.71	B		
S 4981 OB	167-S	498+06.58	S 5021 OB	163-S	502+06.58	400.00	D		
S 5021 OB	163-S	502+06.58	S 5067 OB	157-S	506+61.58	455.00	B		
S 5328 IB	125-N	532+79.71	S 5538 IB	98-N	554+60.00	2180.29	D		
S 5328 OB	125-S	532+80.00	S 5336 OB	124-S	533+60.00	80.00	D		
S 5336 OB	124-S	533+60.00	S 5466 OB	108-S	546+60.00	1300.00	B		
S 5506 OB	103-S	550+60.00	S 5546 OB	98-S	554+60.00	400.00	D		
S 5637 IB	86-N	563+66.67	S 5719 IB	76-N	571+86.03	819.36	D		
S 5703 OB	79-S	569+46.04	S 5753 OB	72-S	575+30.55	584.51	D		
S 6184 OB	21-S	618+38.70	S 6211 OB	18-S	621+08.41	269.71	D		

Sub-Total 29091.65 feet

Miami-Dade County Department of Transportation and Public Works
Acoustical Barrier Replacement
Location and Quantities - Phase 3 - Part 2 of 2

Location Map:

Tentative
Schedule

Month 15 Site 34

Bridge 2								Girder Connections
start			end			length (feet)		
Pier Name	Pier #	Station	Pier Name	Pier #	Station	total		Type
N 449 OB	557-N	44+87.50	N 546 OB	569-N	54+58.45	970.95		B
Sub-Total						970.95		feet

Location Map:

Tentative
Schedule

Month 15 Site 35

Month 15 Site 36

Bridge 3								Girder Connections
start			end			length (feet)		
Pier Name	Pier #	Station	Pier Name	Pier #	Station	total		Type
N 1466 IB	AB671-NS	146+60.75	N 1472 IB	AB672-NS	147+22.75	62.00		B
N 1466 OB	AB671-NS	146+60.75	N 1472 OB	AB672-NS	147+22.75	62.00		B
Sub-Total						124.00		feet

Location Map:

Tentative
Schedule

Month 16 Site 37

Month 16 Site 38

Month 16 Site 39

Bridge 4								Girder Connections
start			end			length (feet)		
Pier Name	Pier #	Station	Pier Name	Pier #	Station	total		Type
N 2426 OB	776-NS	242+60.99	N 2446 OB	778-N	244+56.71	195.72		D
N 3299 OB	884-N	329+85.57	N 3330 OB	888-N	333+03.15	317.58		B
N 3129 IB	863-NS	312+94.40	N 3203 IB	872-S	320+26.79	732.39		B
Sub-Total						1245.69		feet

Miami-Dade County Department of Transportation and Public Works
Acoustical Barrier Replacement
Location and Quantities - Phase 3 - Part 2 of 2

Location Map:

Tentative
Schedule

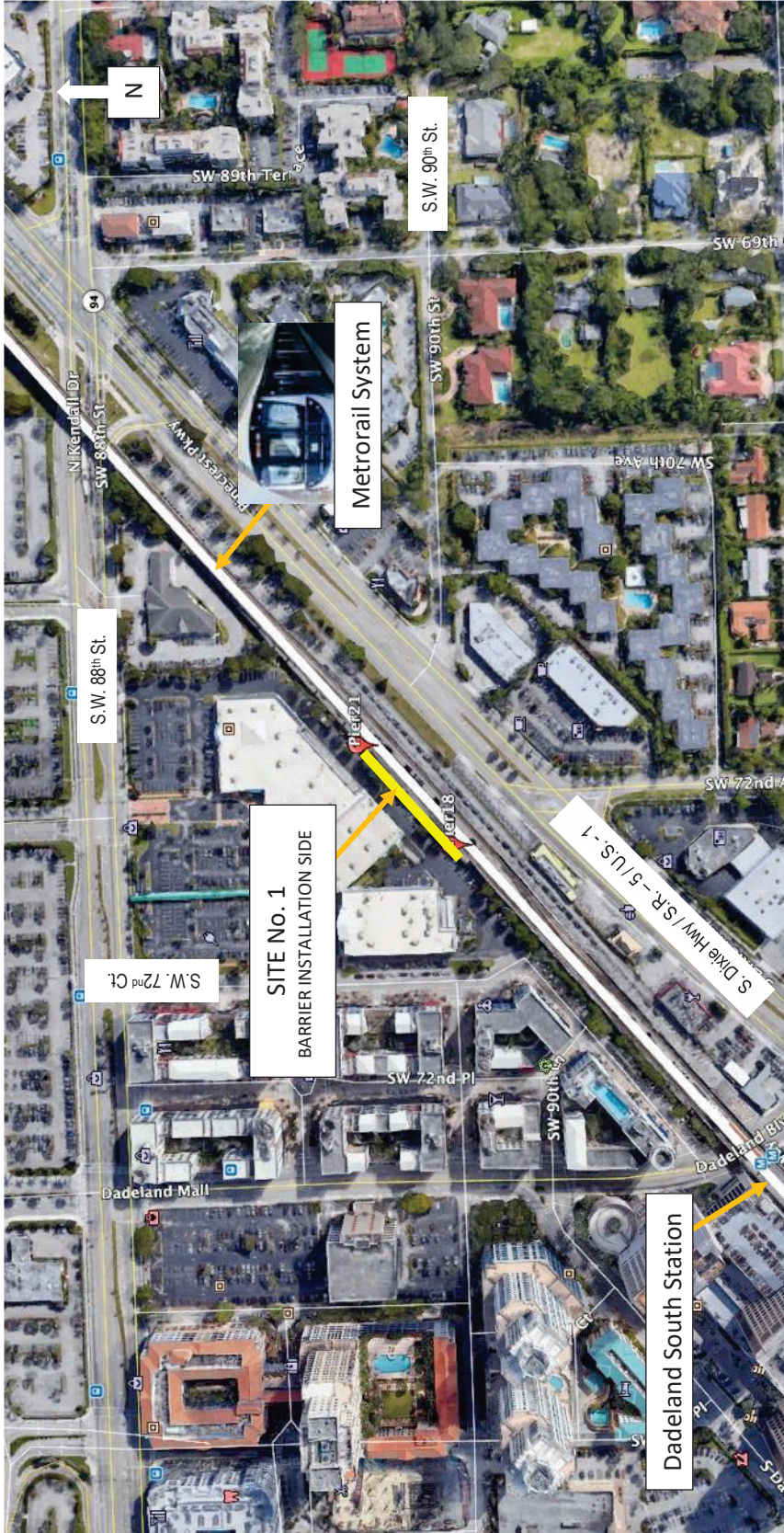
Month 14
Month 14
Month 14
Month 13
Month 13
Month 13
Month 13
Month 12
Month 12
Month 12
Month 12
Month 12
Month 11
Month 10
Month 9
Month 9
Month 9
Month 8
Month 8
Month 8
Month 8

Bridge 5								Girder Connections Type
start			end			length (feet)		
Pier Name	Pier #	Station	Pier Name	Pier #	Station	total		
Site 40	N 3816 IB	946-NS	381+64.41	N 3873 IB	953-NS	387+26.67	562.26	B
Site 41	N 3816 OB	946-NS	381+64.41	N 3873 OB	953-NS	387+26.67	562.26	D
Site 42	N 4085 IB	980-NS	408+52.09	N 4140 IB	987-NS	414+04.59	552.50	D
Site 43	N 4140 IB	987-NS	414+04.59	N 4307 IB	1007-NS	430+71.17	1666.58	B
Site 44	N 4085 OB	980-NS	408+52.09	N 4140 OB	987-NS	414+04.59	552.50	B
Site 45	N 4140 OB	987-NS	414+04.59	N 4173 OB	991-NS	417+31.27	326.68	D
Site 46	N 4473 IB	1029-NS	447+29.81	N 4619 IB	1046-NS	461+93.20	1463.39	B
Site 47	N 4408 OB	1021-NS	440+84.28	N 4416 OB	1022-NS	441+64.28	80.00	A
Site 48	N 4416 OB	1022-NS	441+64.28	N 4569 OB	1040-NS	456+92.98	1528.70	B
Site 49	H 1448 IB	1072-NS	114+80.72	H 1239 IB	1083-NS	123+92.82	912.10	B
Site 50	H 1239 IB	1083-NS	123+92.82	H 1340 IB	1095-NS	134+02.35	1009.53	B
Site 51	H 1340 IB	1095-NS	134+02.35	H 1355 IB	1097-NS	135+48.83	146.48	A
Site 52	H 1418 IB	1106-NS	141+81.33	H 1601 IB	1128-NS	160+05.21	1823.88	B
Site 53	H 1474 OB	1113-NS	147+42.61	H 1601 OB	1128-NS	160+05.21	1262.60	D
Site 54	H 1601 IB	1128-NS	160+05.21	H 1134 IB	1134-NS	165+13.00	507.79	D
Site 55	H 1801 IB	1152-NS	180+14.57	H 1942 IB	1169-NS	194+22.76	1408.19	B
Site 56	H 1942 IB	1169-NS	194+22.76	H 2021 IB	1178-NS	202+09.56	786.80	B
Site 57	H 1801 OB	1152-NS	180+14.57	H 1942 OB	1169-NS	194+22.76	1408.19	D
Site 58	H 2211 OB	1201-N	221+11.82	H 2250 OB	1206-N	225+00.03	388.21	B
Site 59	H 2522 IB	1240-S	252+17.46	H 2579 IB	1246-S	257+92.57	575.11	B
Site 60	H 2655 IB	1255-S	265+47.12	H 2698 IB	1260-NS	269+84.02	436.90	D

Sub-Total 17960.65 feet

Total Replacement Panels - Phase 3 (Part 2) 49393 feet

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 1

From: Pier 18-S (SW 72nd Ct.)

To: Pier 21-S (SW 90th St.)

Scope of Work: 270 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 2

From: Pier 72-S (SW 67th Ave.)

To: Pier 79-S (SW 80th St.)

Scope of Work: 585 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 3

From: Pier 76-N (SW 67th Ave.)

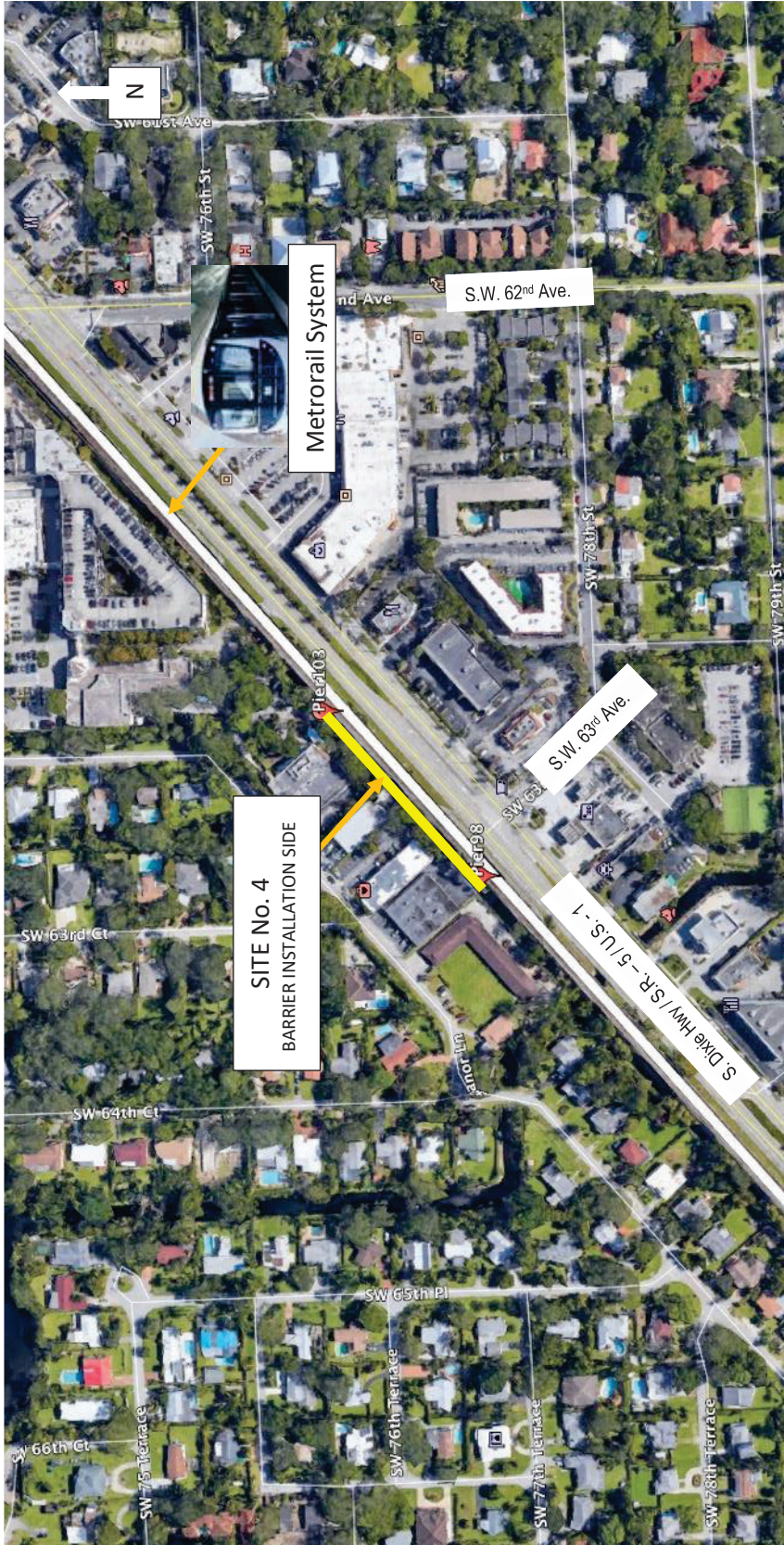
To: Pier 86-N (North of SW 80th St.)

Scope of Work: 819 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 4

From: Pier 98-S (SW 63rd Ave.)

To: Pier 103-S (North of SW 63rd Ave.)

Scope of Work: 400 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 5

From: Pier 124-S (South of SW 62nd Ave.)

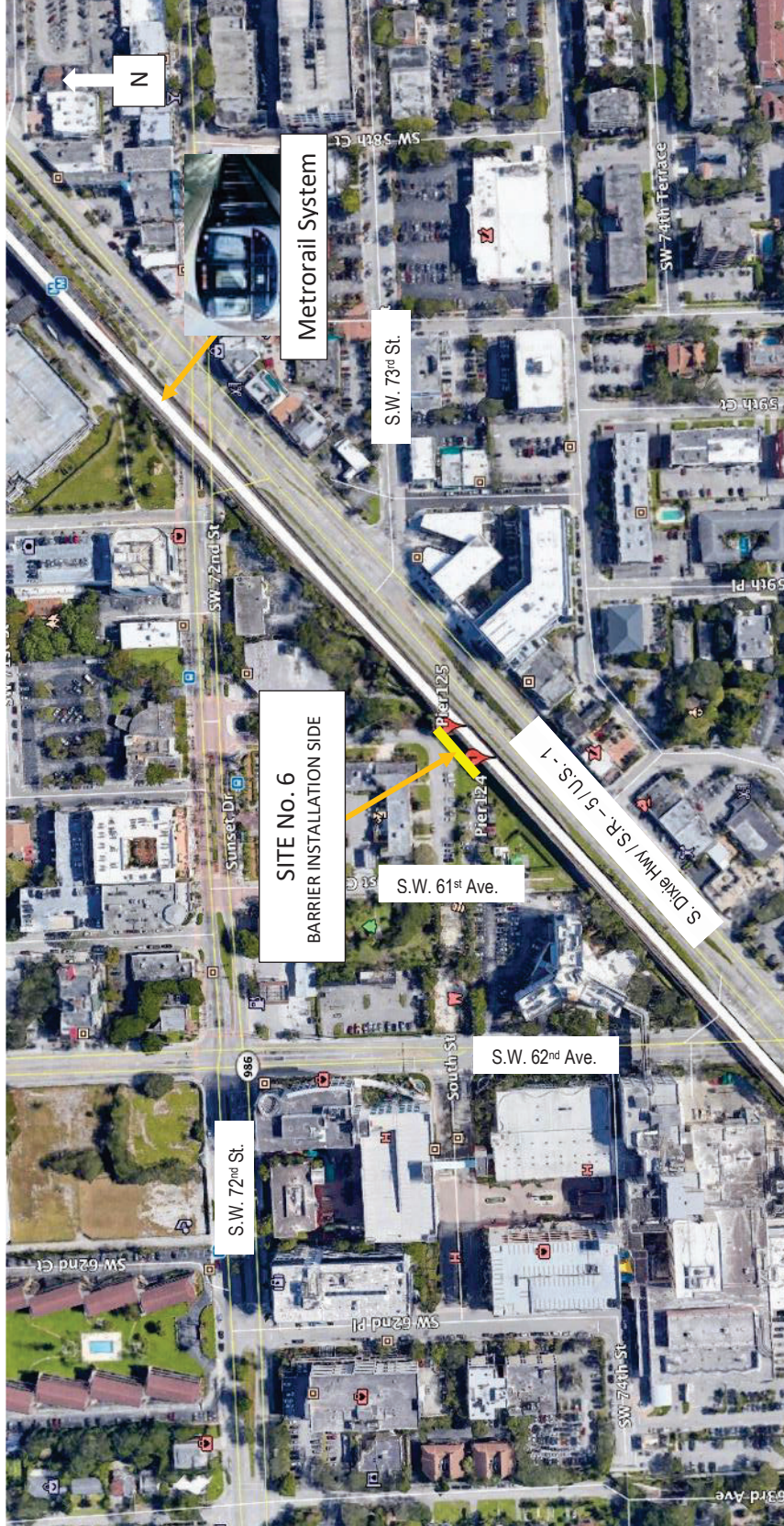
To: Pier 108-S (S.W. 73rd St.)

Scope of Work: 1,300 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 6

From: Pier 124-S (South of SW 61st Ave.)

To: Pier 125-S (S.W. 73rd St.)

Scope of Work: 80 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 7

From: Pier 98-N (South of SW 63rd Ave.)

To: Pier 125-N (S.W. 73rd St.)

Scope of Work: 2,180 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 8

From: Pier 157-S (S.W. 57th Ave.)

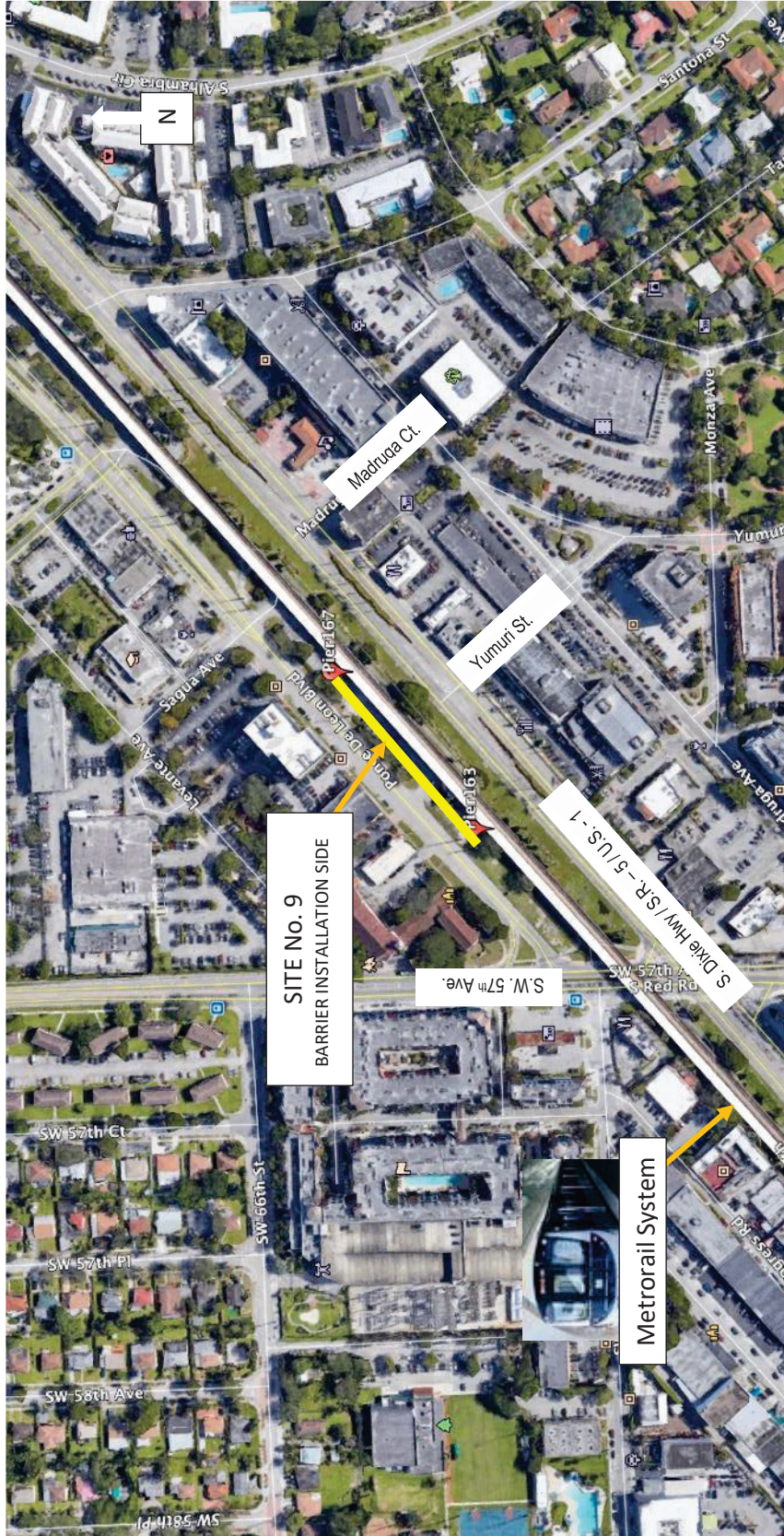
To: Pier 163-S (Yumuri St.)

Scope of Work: 455 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 9

From: Pier 163-S (S.W. 57th Ave.)

To: Pier 167-S (Madruca Ct.)

Scope of Work: 400 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

		Projected Installation Month															
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 10

From: Pier 171-N (Madruga Ct.)

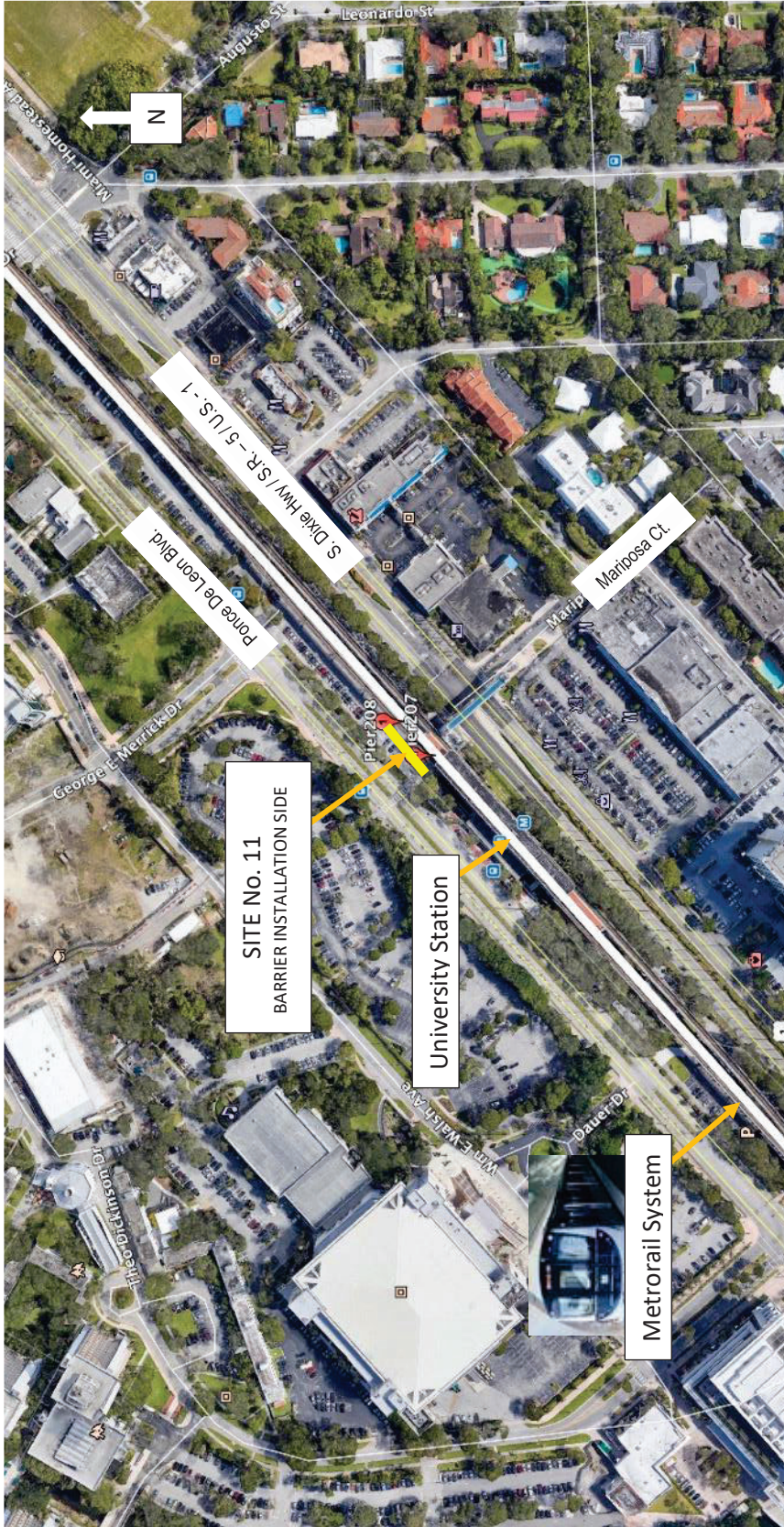
To: Pier 190-N (Caballero Blvd.)

Scope of Work: 1,520 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 11

From: Pier 207-S (Inside University Station)

To: Pier 208-S (Inside University Station)

Scope of Work: 80 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 12

From: Pier 230-S (Mariposa Ct.)

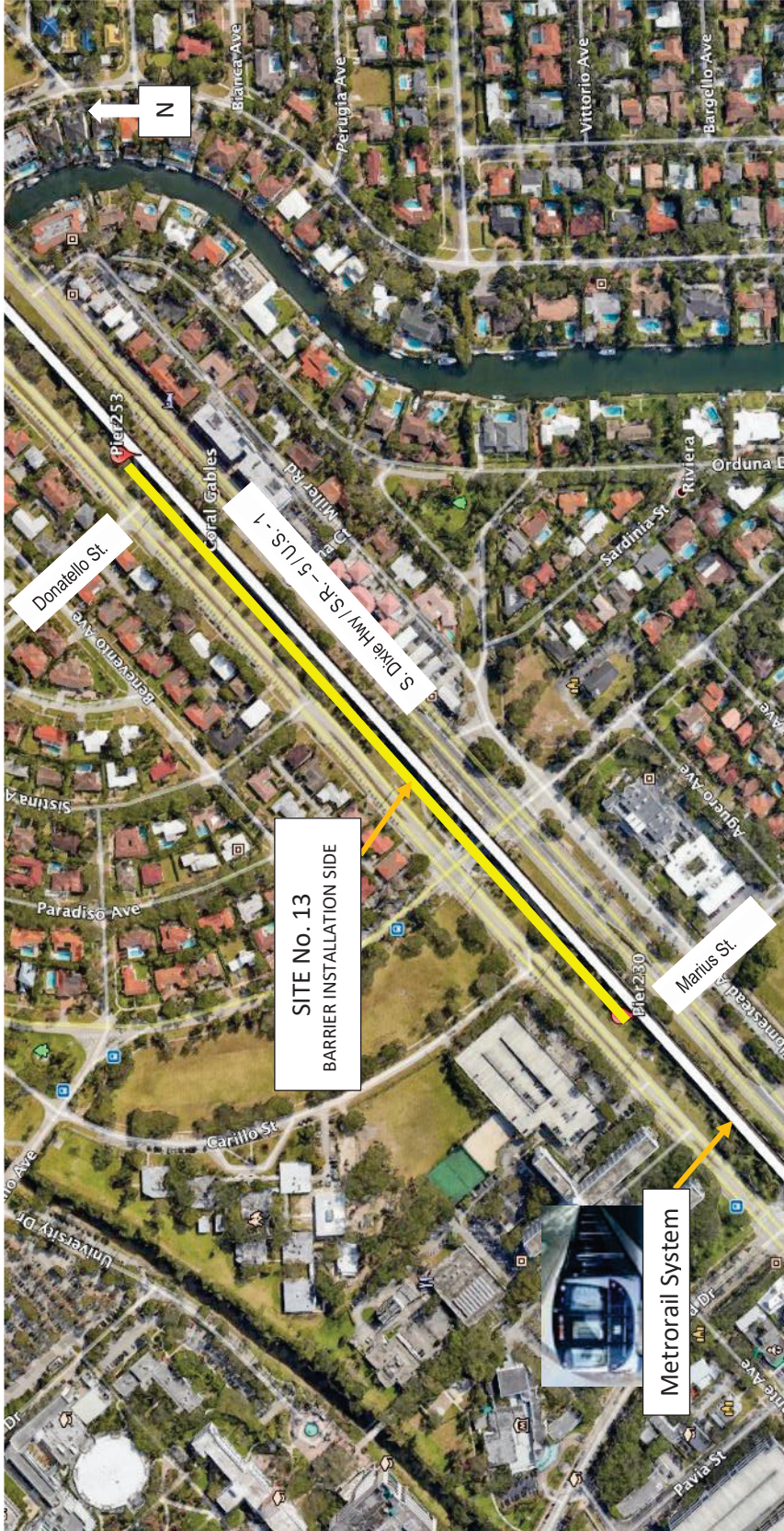
To: Pier 208-S (Marius St.)

Scope of Work: 1,727 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 13

From: Pier 230-S (Marius St.)

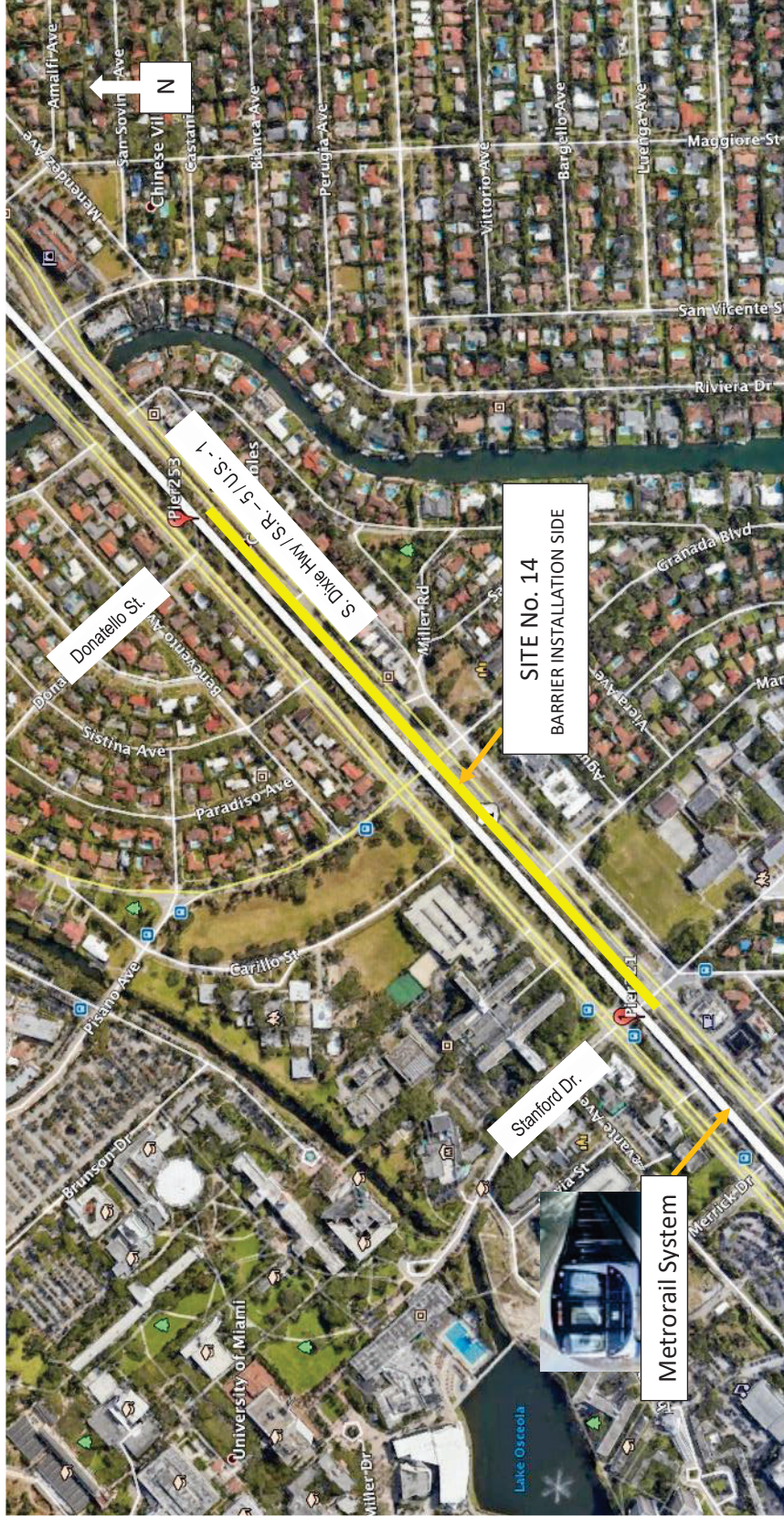
To: Pier 253-S (Donatello St.)

Scope of Work: 1,845 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 14

From: Pier 221-N (Stanford Dr.)

To: Pier 253-N (Donatello St.)

Scope of Work: 2,537 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 15

From: Pier 266-S (Riviera Dr.)

To: Pier 275-S (Suarez St.)

Scope of Work: 720 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 16

From: Pier 282-S (Rosaro Ave.)

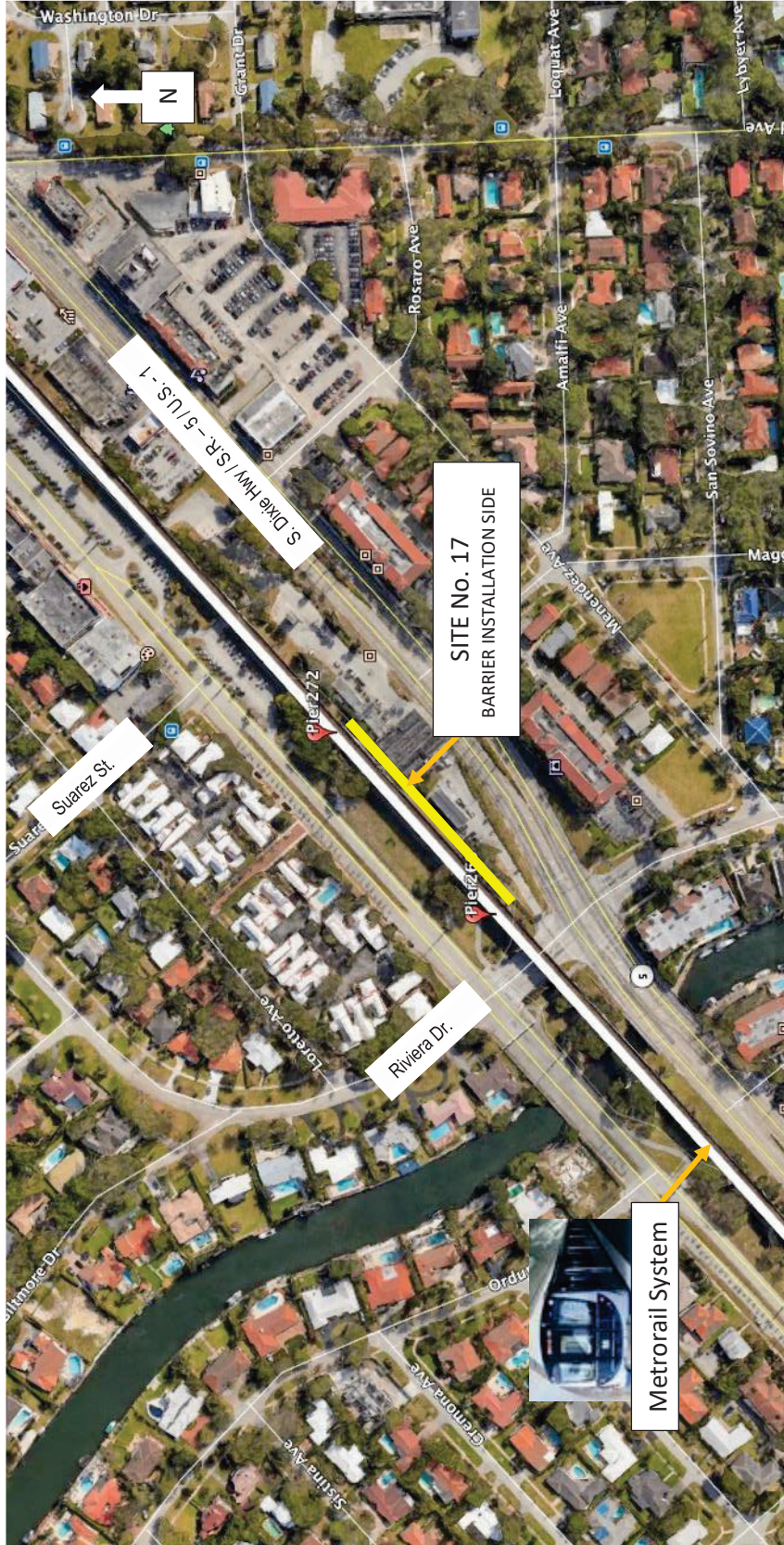
To: Pier 291-S (Grand Ave.)

Scope of Work: 750 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 17

From: Pier 266-N (Riviera Dr.)

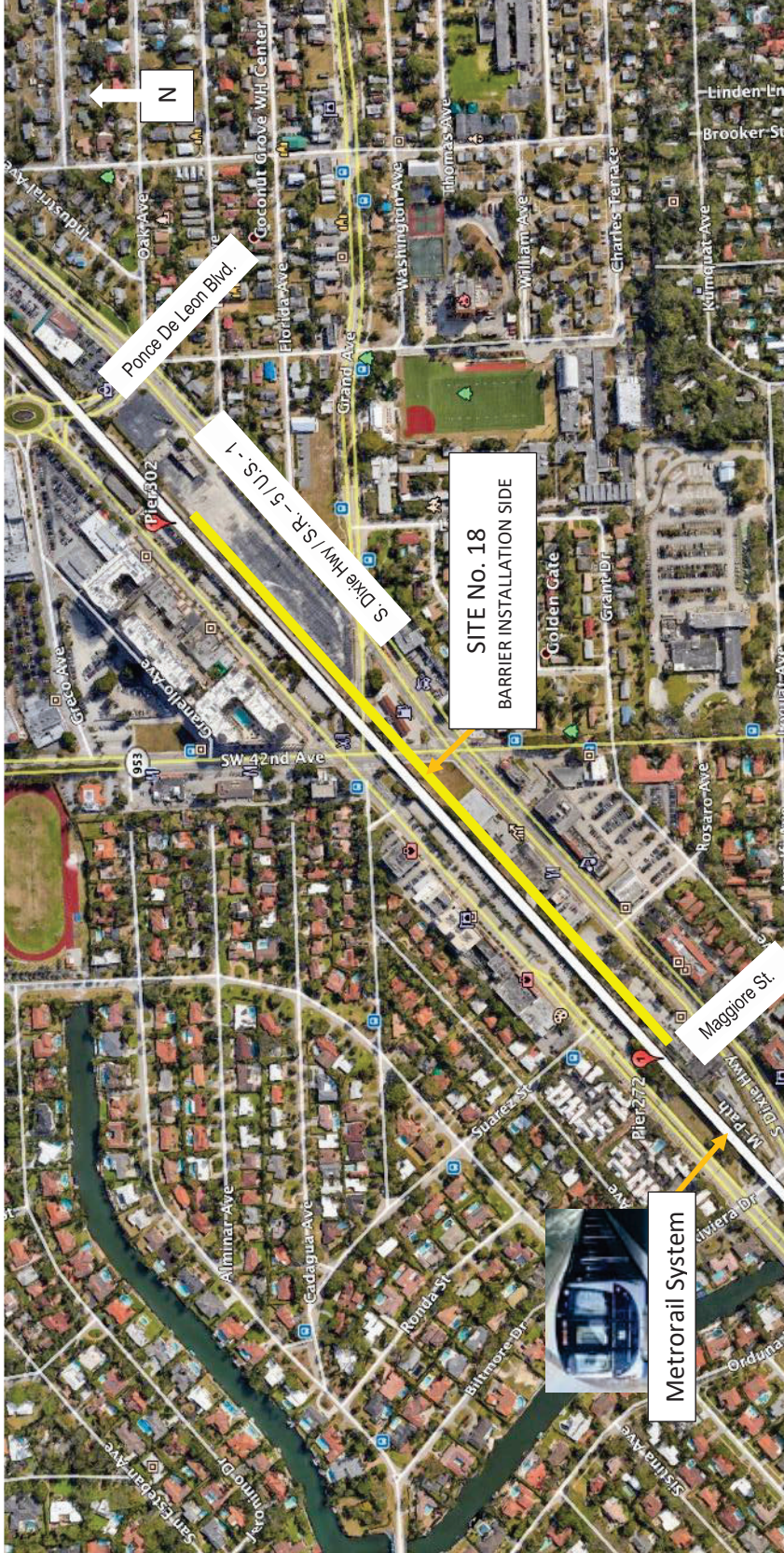
To: Pier 272-N (Suarez St.)

Scope of Work: 480 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 18

From: Pier 272-N (Maggiore St.)

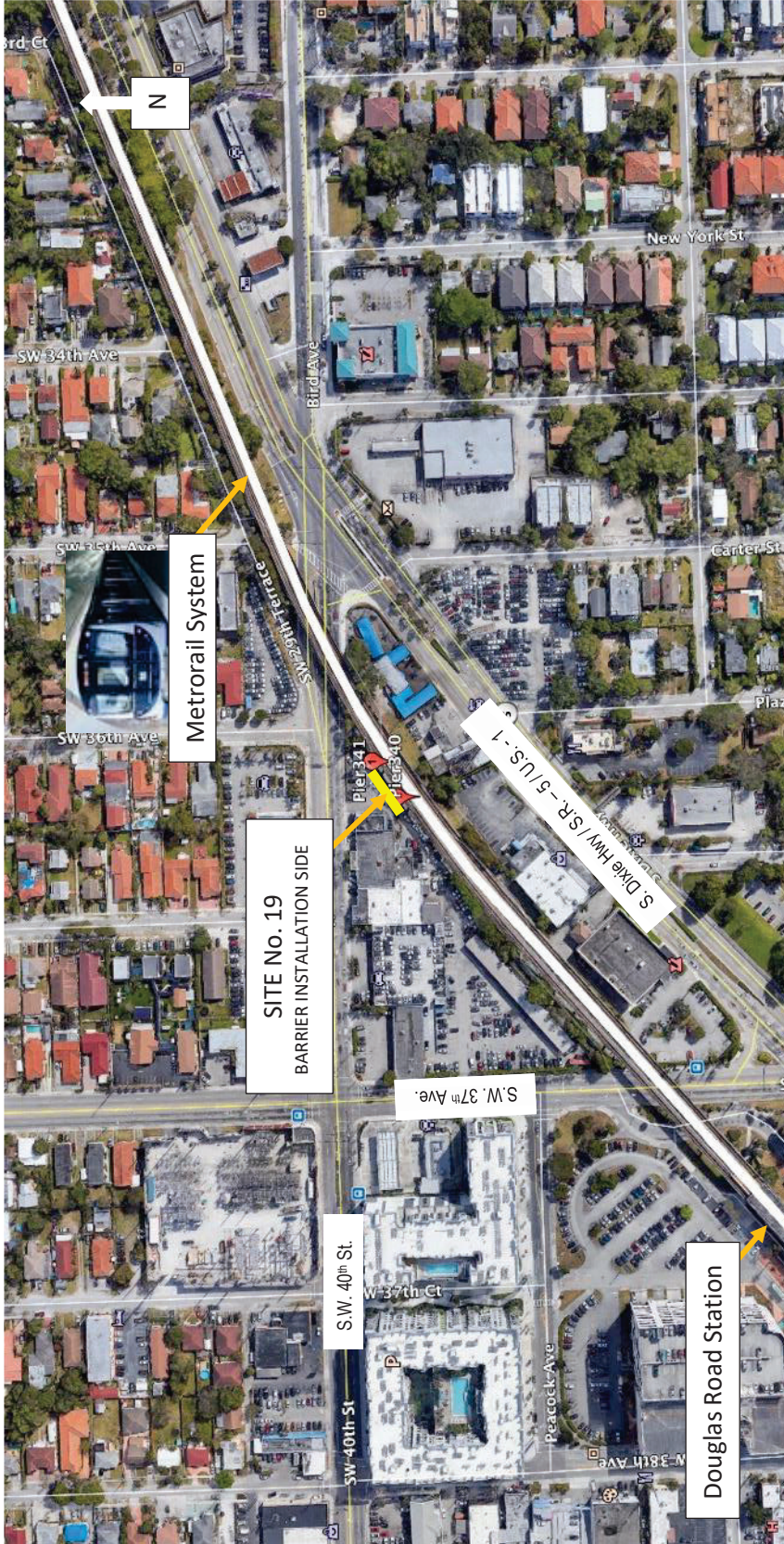
To: Pier 302-N (Ponce De Leon Blvd.)

Scope of Work: 2,424 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 19

From: Pier 340-S (S.W. 37th Ave.)

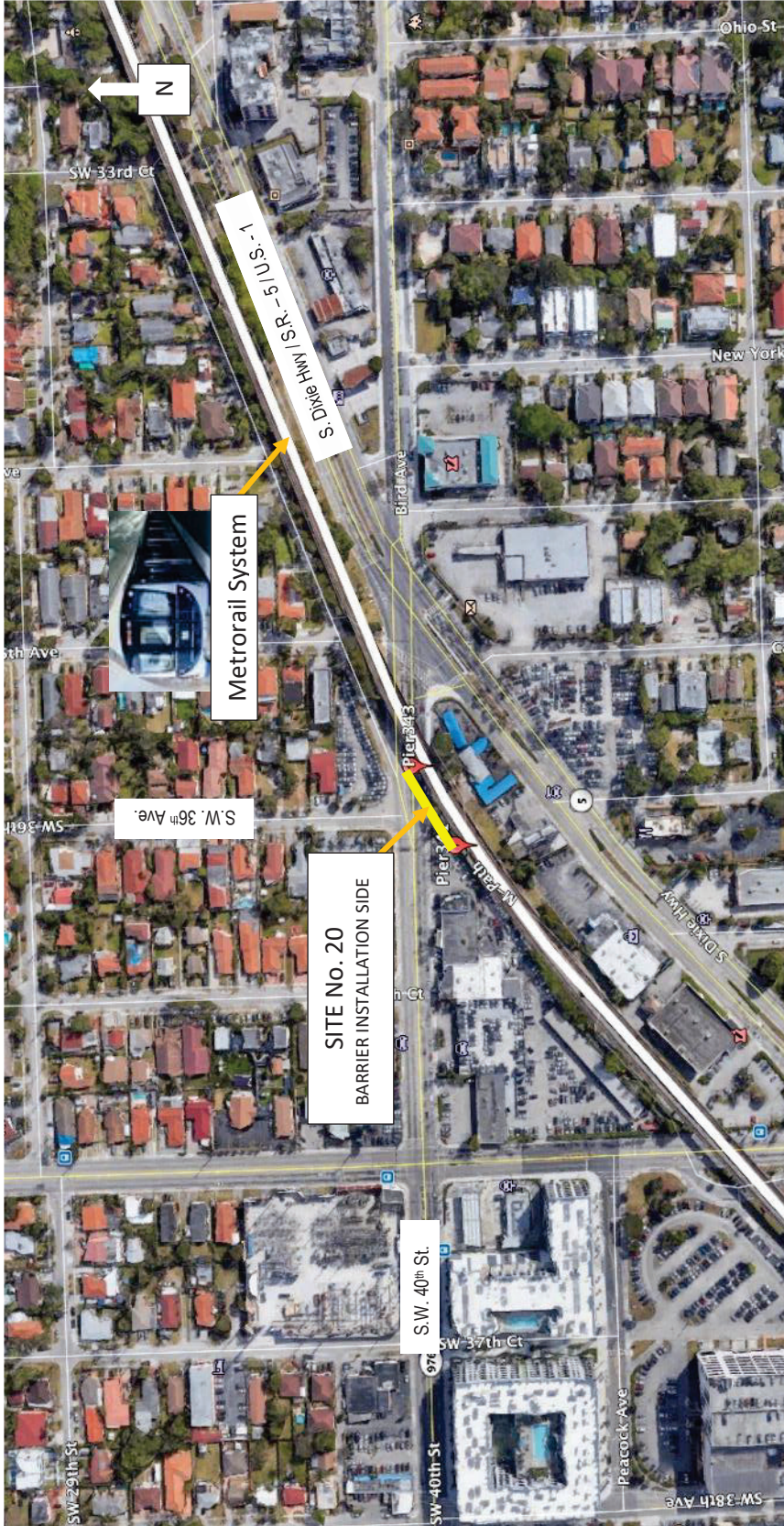
To: Pier 341-S (S.W. 40 St.)

Scope of Work: 79 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 20

From: Pier 341-S (S.W. 36th Ave.)

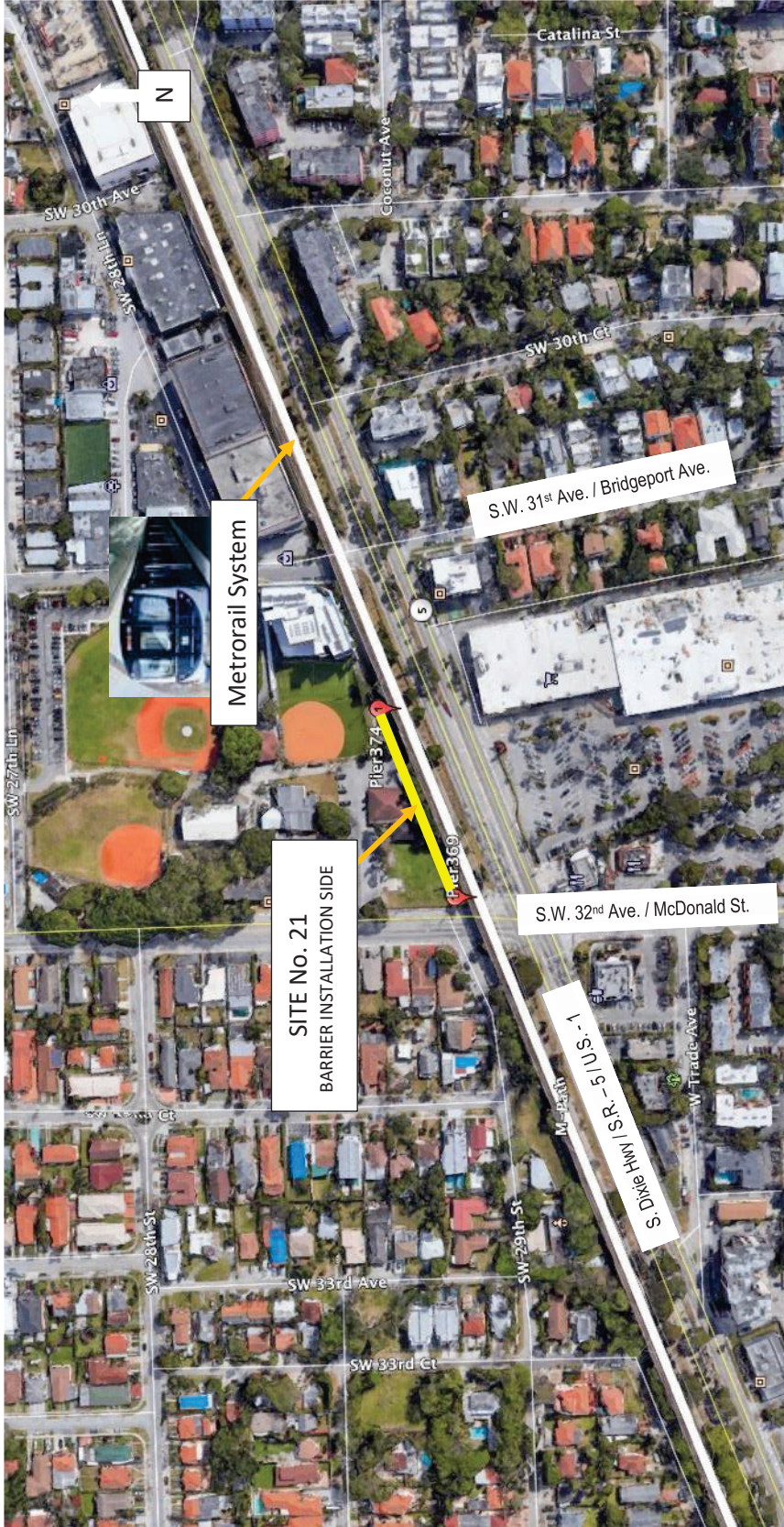
To: Pier 343-S (S.W.40th St.)

Scope of Work: 142 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 21

From: Pier 369-S (S.W. 32nd Ave. / McDonald St.)

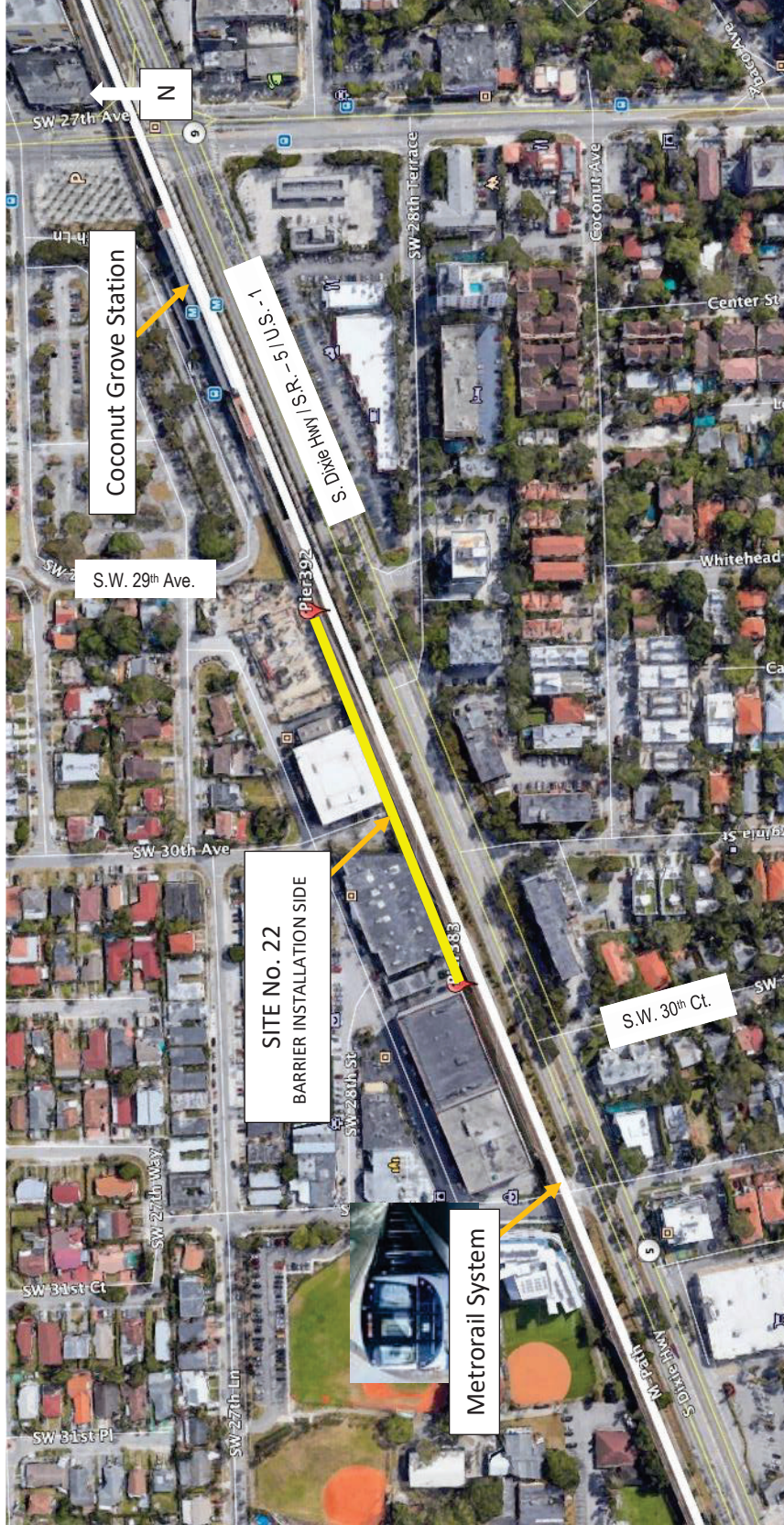
To: Pier 374-S (S.W. 31st Ave. / Bridgeport Ave.)

Scope of Work: 400 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 22

From: Pier 383-S (S.W. 30th Ct.)

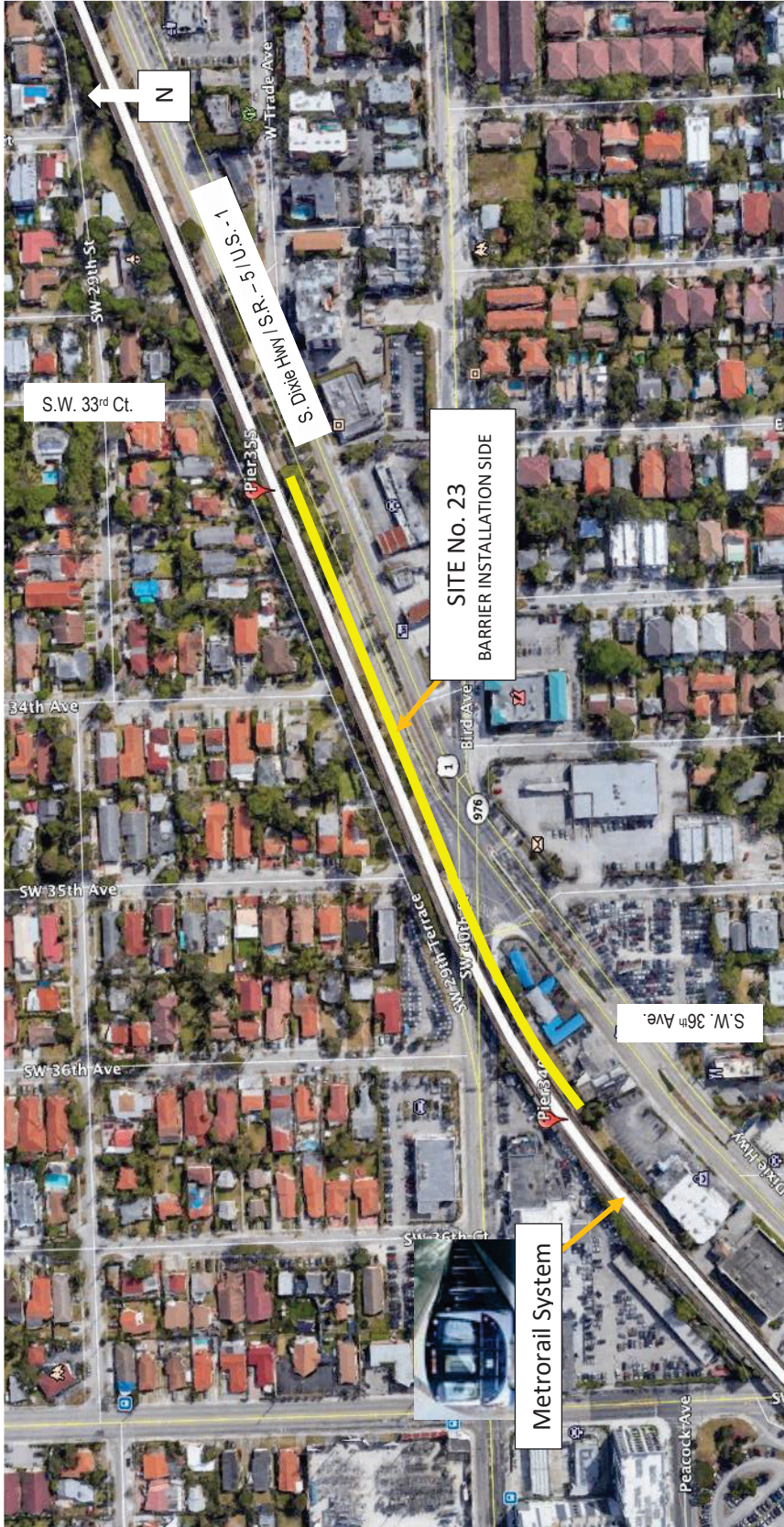
To: Pier 392-S (S.W. 29th Ave.)

Scope of Work: 818 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 23

From: Pier 340-N (S.W. 36th Ave.)

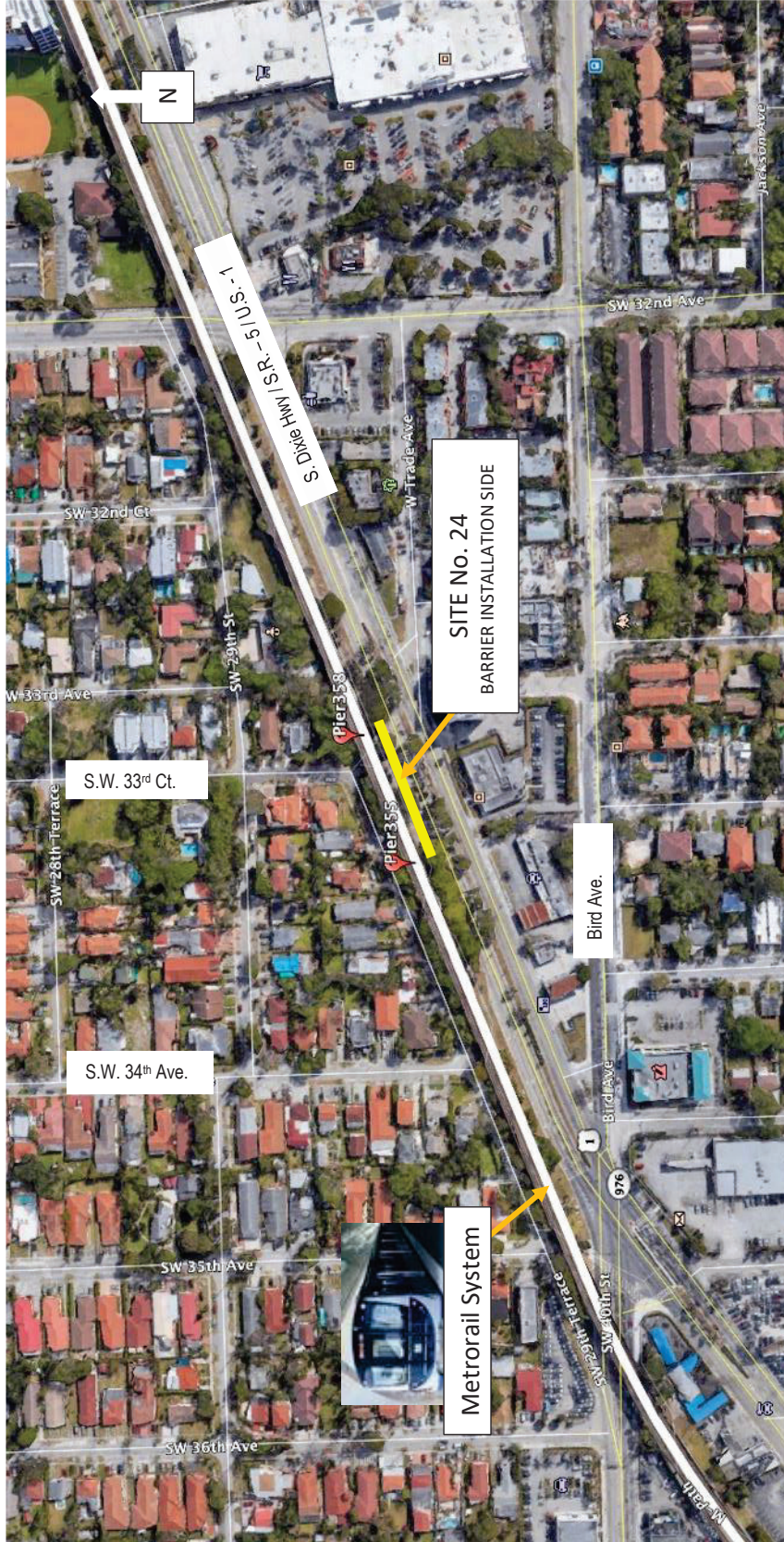
To: Pier 355-N (S.W. 33rd Ct.)

Scope of Work: 1,246 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

																Projected Installation Month
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 24

From: Pier 355-N (S.W. 34th Ave.)

To: Pier 358-N (S.W. 33rd Ct.)

Scope of Work: 240 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 25

From: Pier 362-N (W. Trade Ave.)

To: Pier 370-N (S.W. 32nd Ave. / McDonald St.)

Scope of Work: 635 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 26

From: Pier 370-N (S.W. 32nd Ave. / McDonald St.)

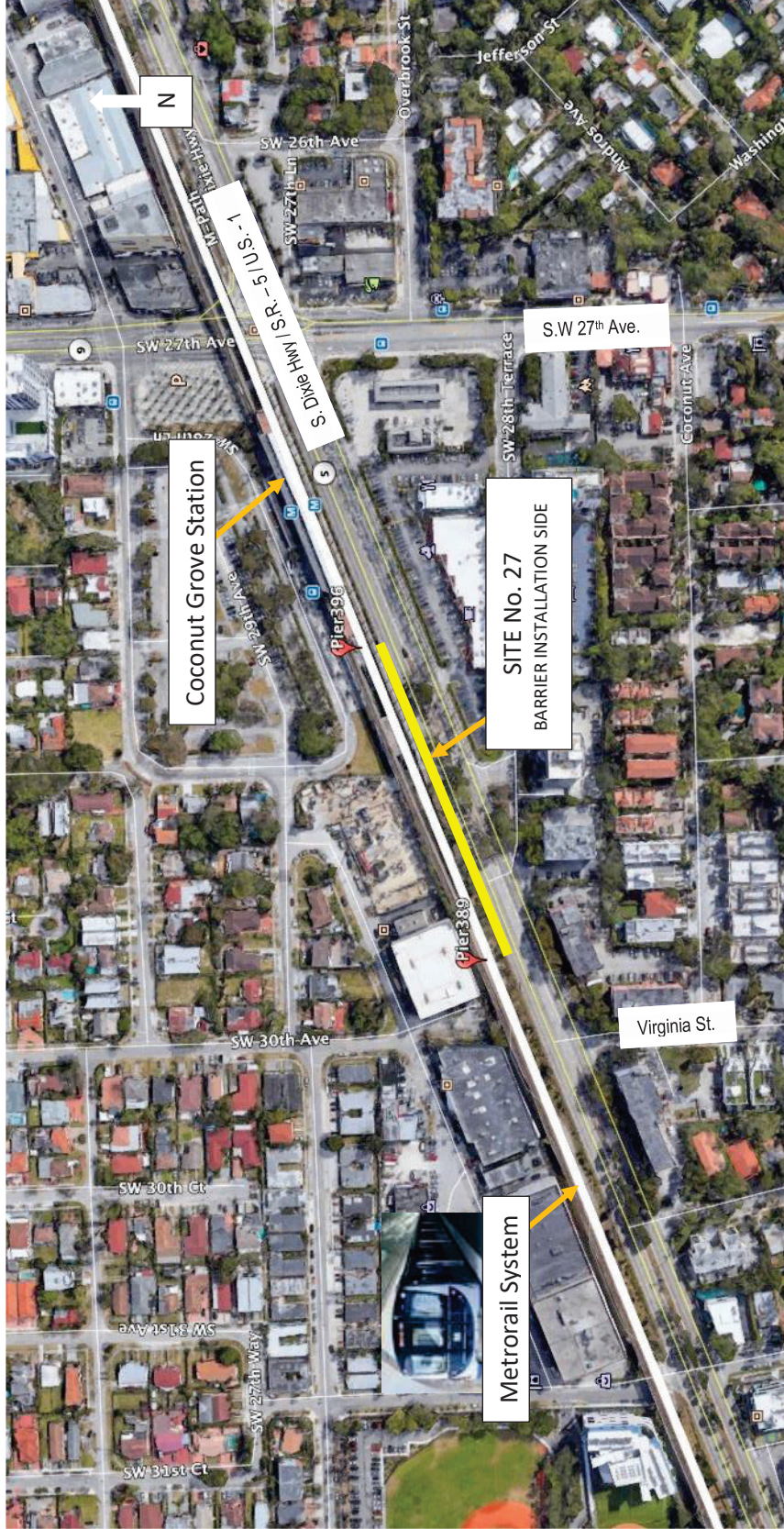
To: Pier 374-N (S.W. 31st Ave. / Bridgeport Ave.)

Scope of Work: 320 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 27

From: Pier 389-N (Virginia St.)

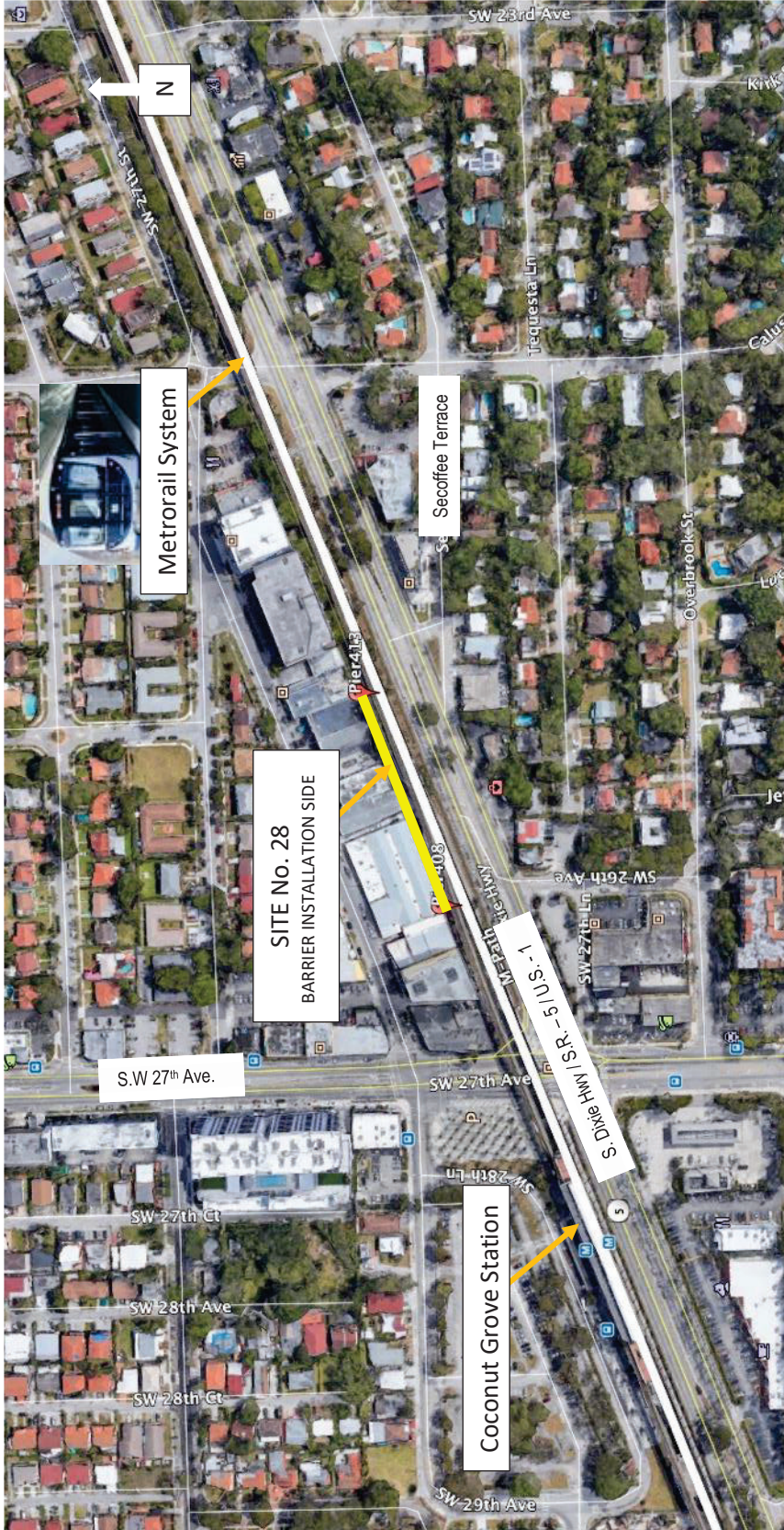
To: Pier 396-N (Inside of Coconut Grove Station)

Scope of Work: 570 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 28

From: Pier 408-S (S.W. 27th Ave.)

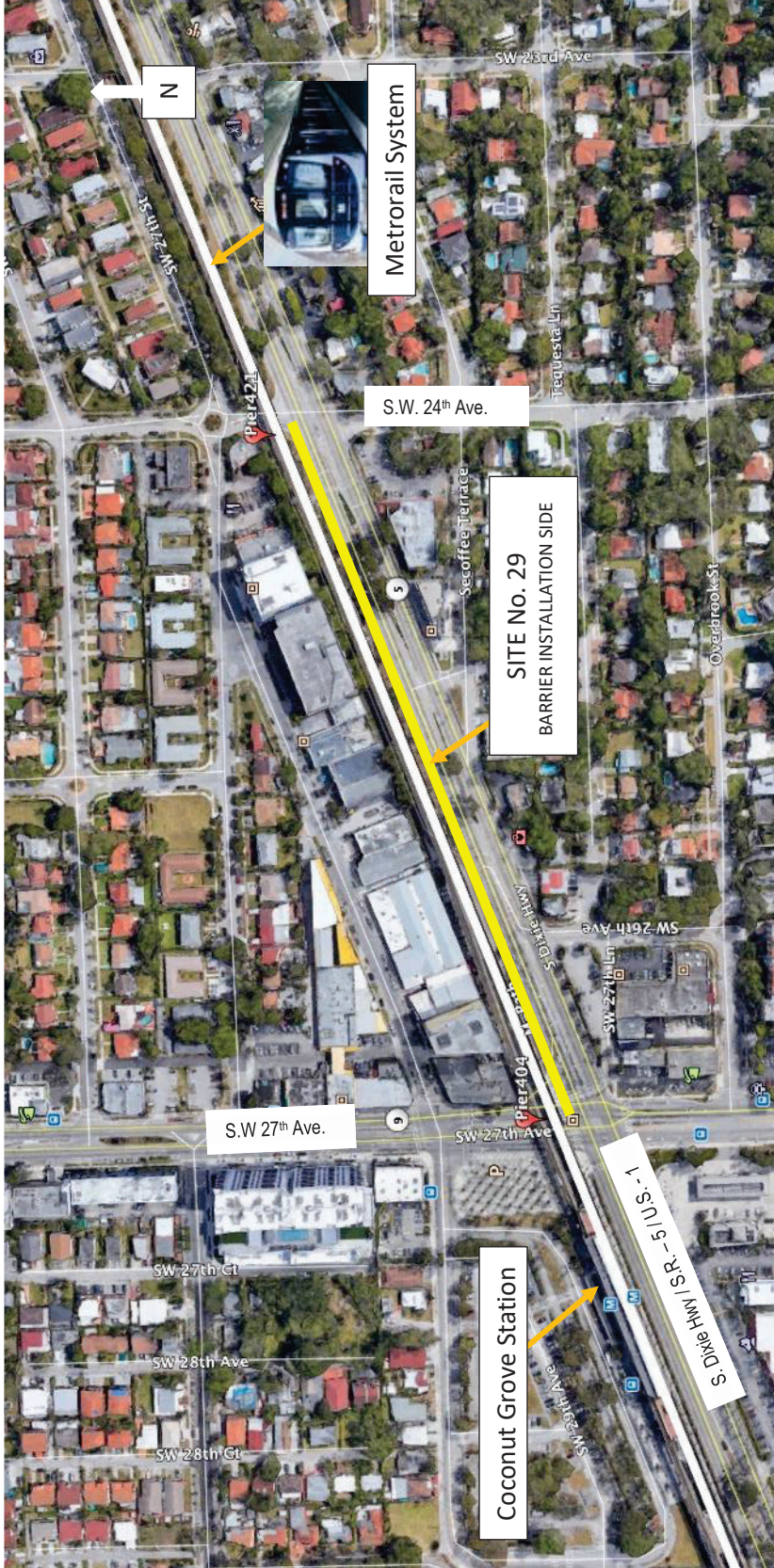
To: Pier 413-S (Secoffee Terrace)

Scope of Work: 400 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 29

From: Pier 404-N (S.W. 27th Ave.)

To: Pier 421-N (S.W. 24th Ave.)

Scope of Work: 1,379 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 30

From: Pier 421-N (S.W. 24th Ave.)

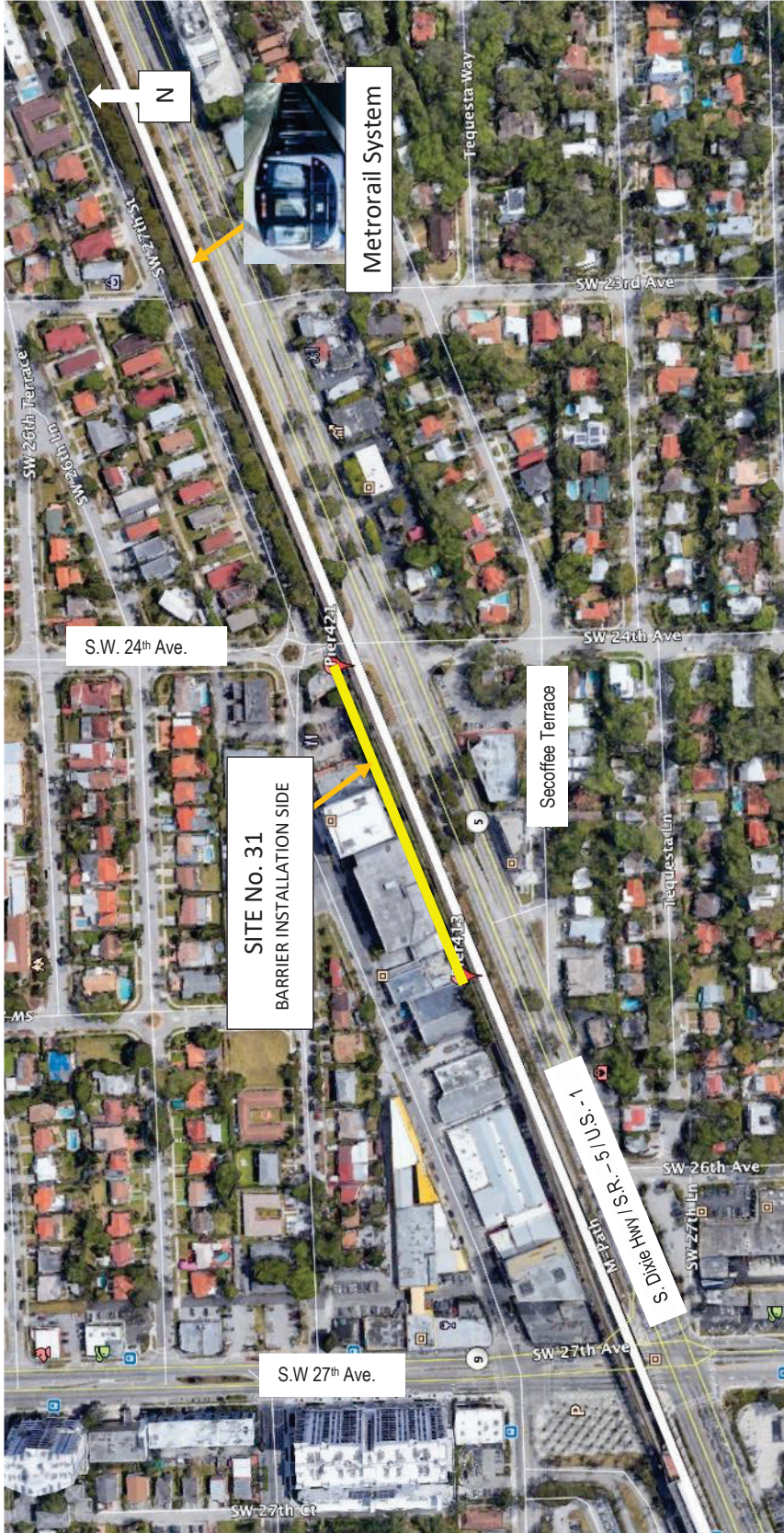
To: Pier 433-N (S.W. 23rd Ave.)

Scope of Work: 967 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 31

From: Pier 413-S (Secoffee Terrace.)

To: Pier 421-S (S.W. 24th Ave.)

Scope of Work: 635 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 32

From: Pier 474-S (S.W.17th Ave.)

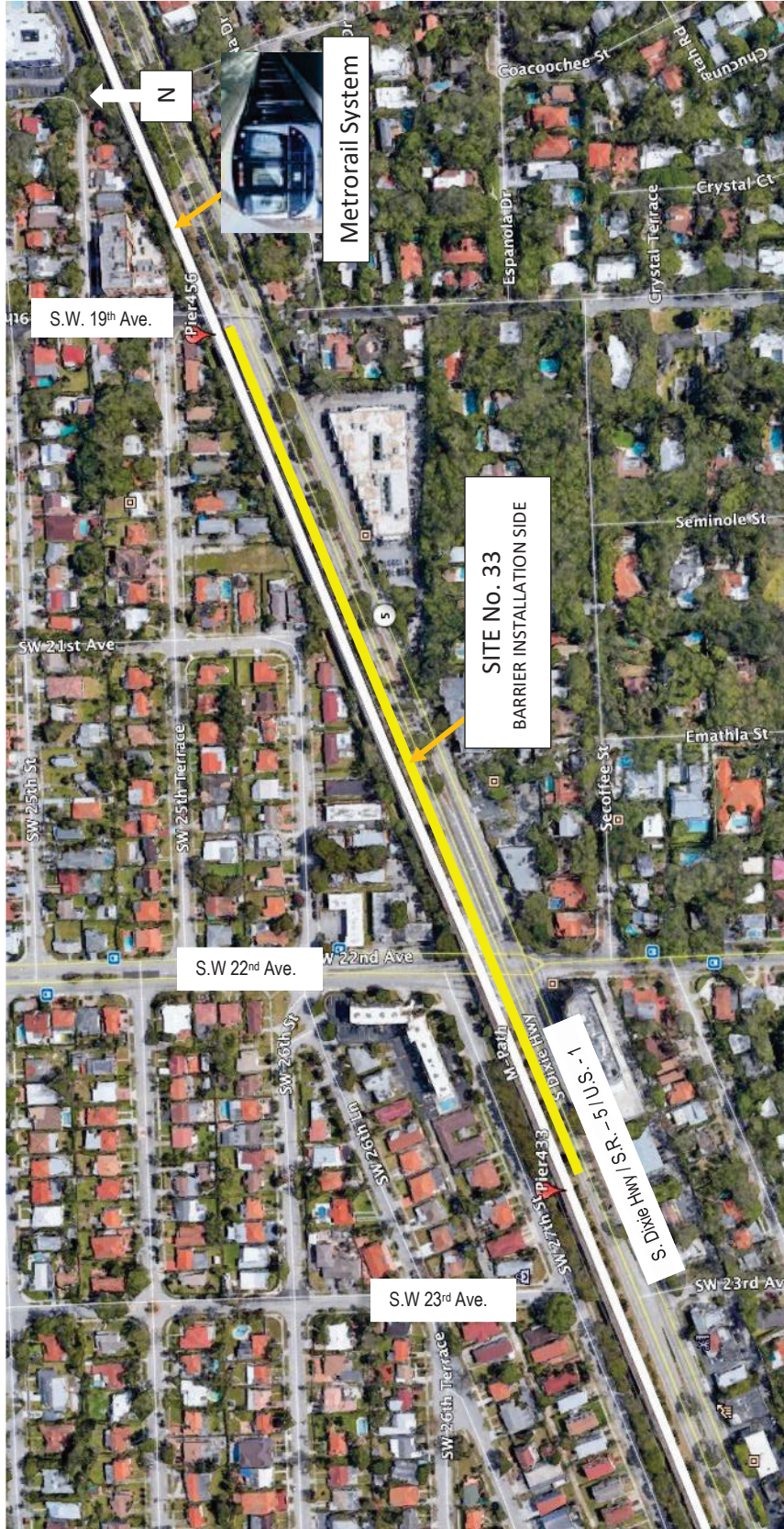
To: Pier 483-S (S.W. 16th Ave.)

Scope of Work: 813 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 33

From: Pier 433-N (S.W. 22nd Ave.)

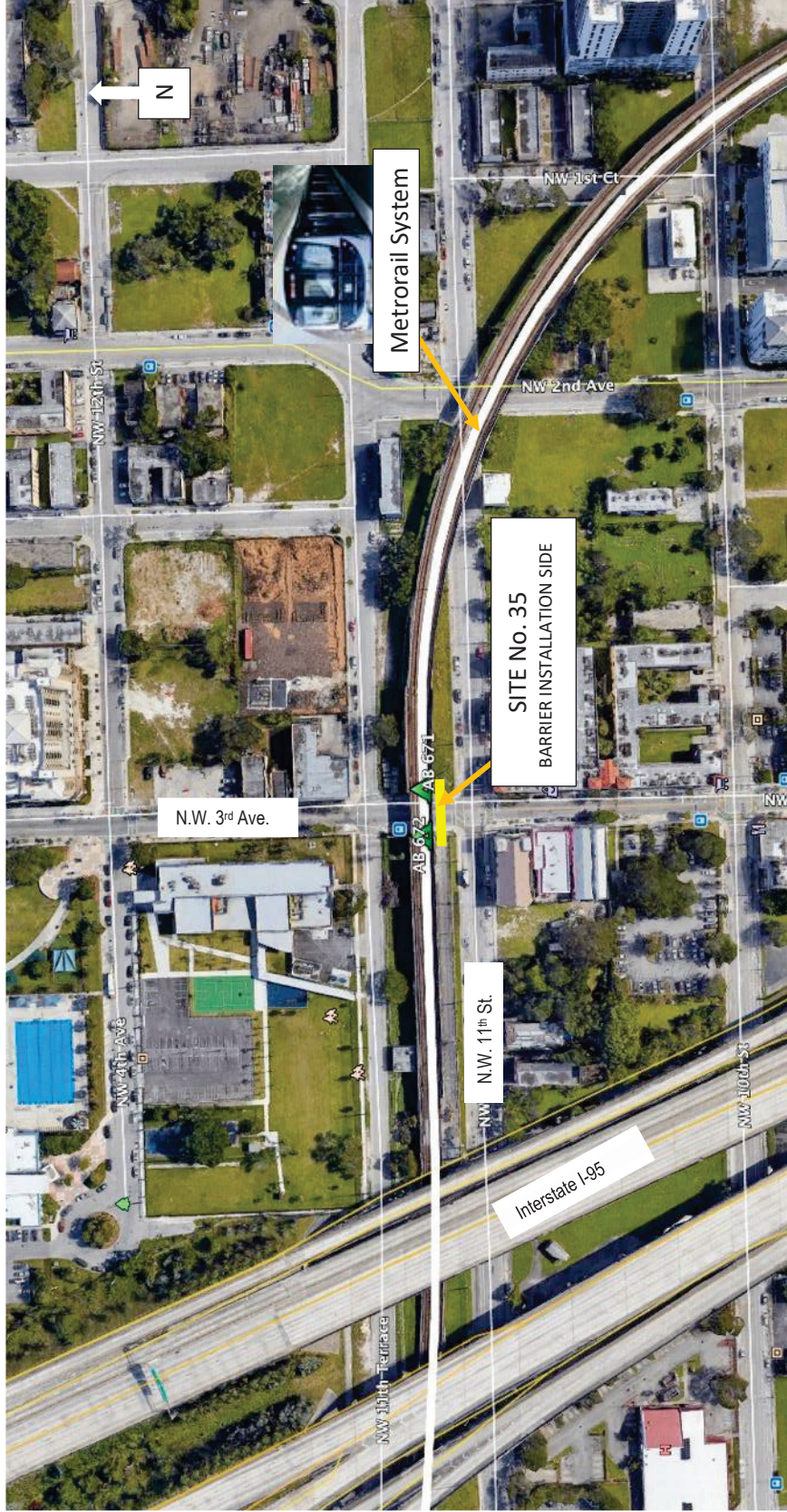
To: Pier 456-N (S.W. 19th Ave.)

Scope of Work: 1,888 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 35

From: Pier AB671-NS (N.W. 3rd Ave.)

To: Pier AB672-NS (N.W. 3rd Ave.)

Scope of Work: 62 linear feet – Southbound train side only (Yellow line)

Installation Schedule:	Projected Installation Month															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 36

From: Pier AB671-NS (N.W. 3rd Ave.)

To: Pier AB672-NS (N.W. 3rd Ave.)

Scope of Work: 62 linear feet – Northbound train side only (Yellow line)

Installation Schedule:	Projected Installation Month															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metro rail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 37

From: Pier 776-NS (N.W. 24th St.)

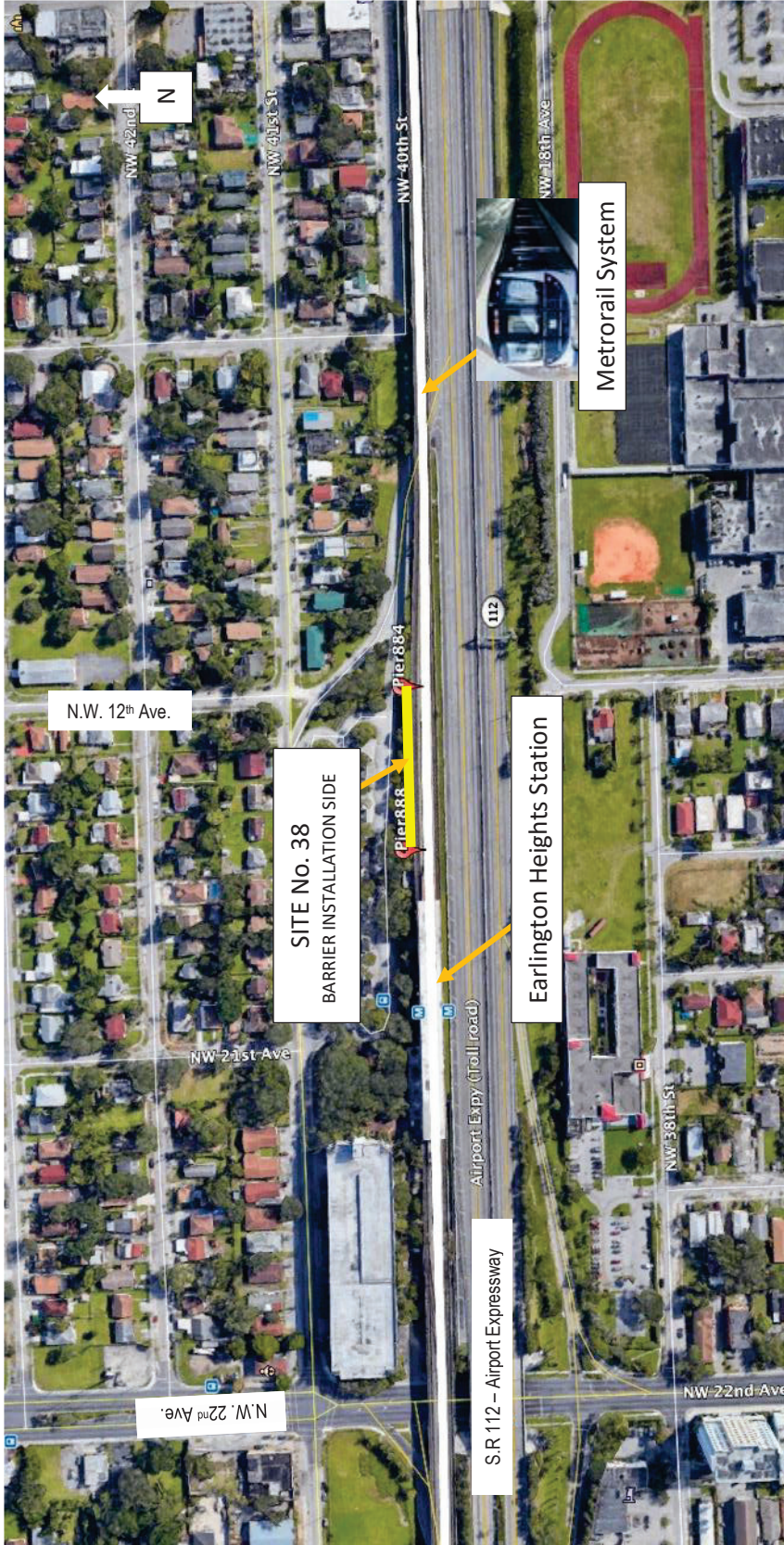
To: Pier 778-N (N.W. 25th St.)

Scope of Work: 196 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 38

From: Pier 884-N (N.W. 12th Ave.)

To: Pier 888-N (Inside Earlington Heights Station)

Scope of Work: 317 linear feet – Northbound train side only (Yellow line)

Installation Schedule:	Projected Installation Month															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 39

From: Pier 863-NS (N.W. 16th Ave.)

To: Pier 872-S (N.W. 18th Ave.)

Scope of Work: 732 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 40

From: Pier 946-NS (N.W. 46th St.)

To: Pier 953-NS (N.W. 48th St.)

Scope of Work: 562 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 41

From: Pier 946-NS (N.W. 46th St.)

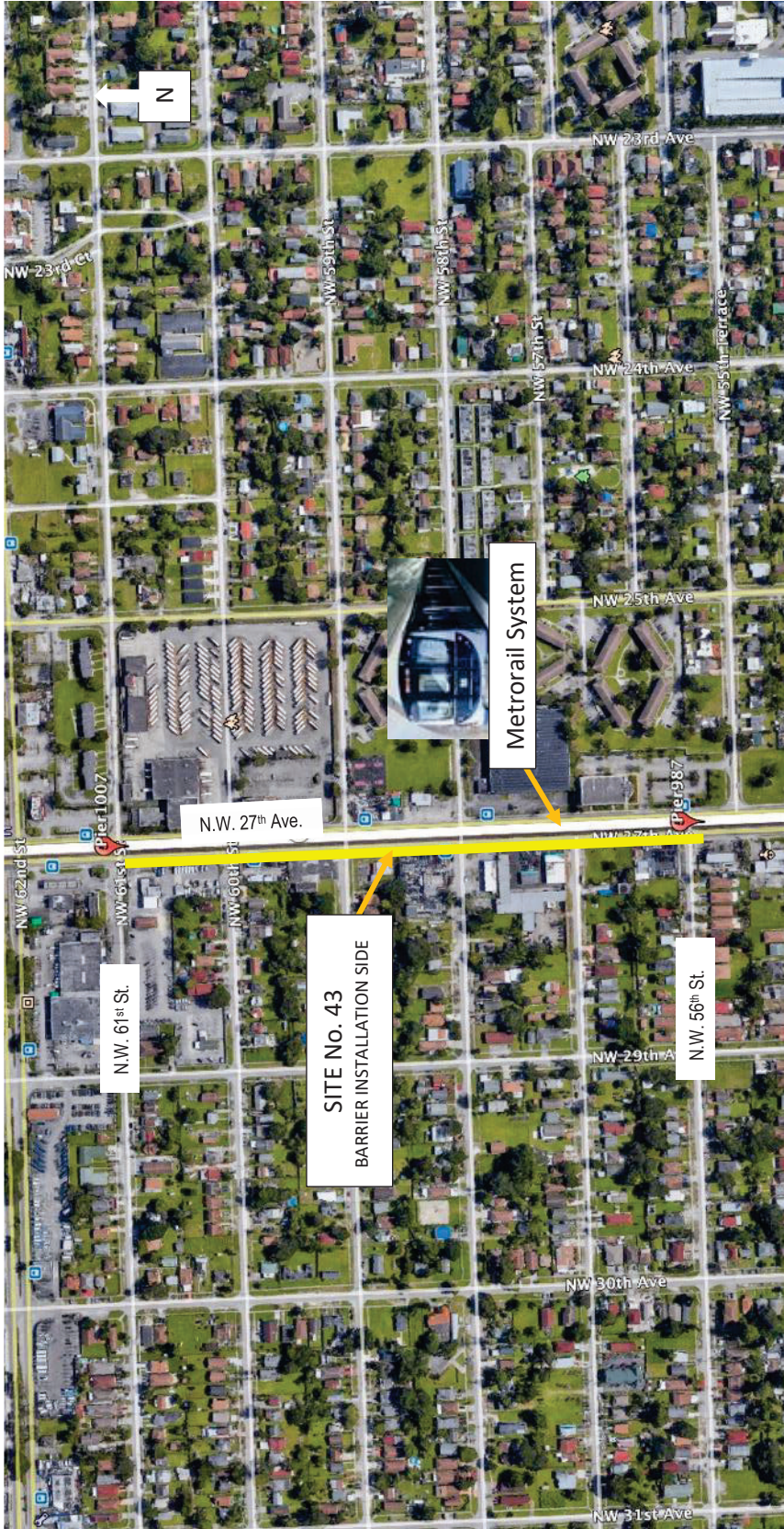
To: Pier 953-NS (N.W. 48th St.)

Scope of Work: 562 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 43

From: Pier 987-NS (N.W. 56th St.)

To: Pier 1007-NS (N.W. 61st St.)

Scope of Work: 1,666 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 44

From: Pier 980-NS (N.W. 54th St.)

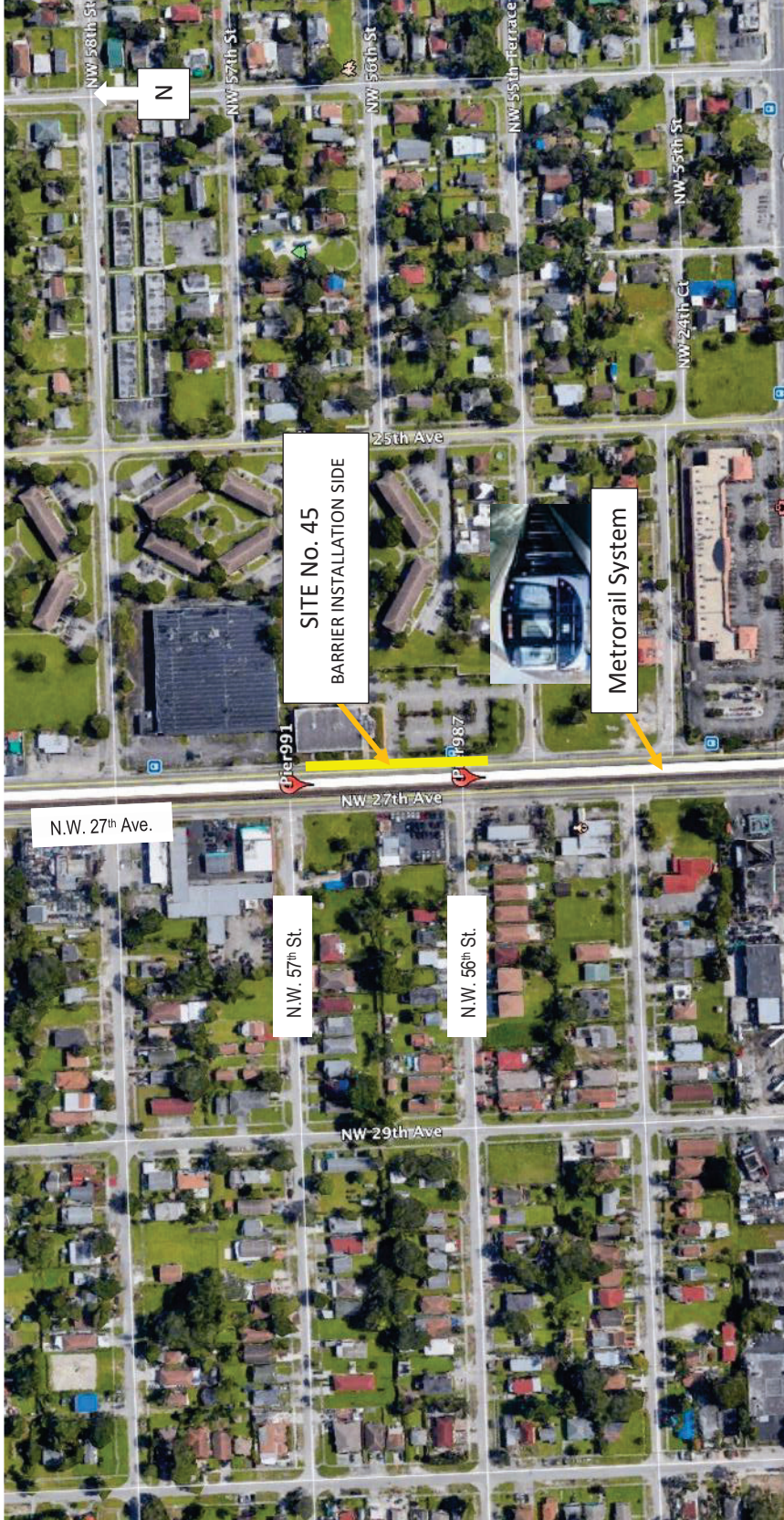
To: Pier 987-NS (N.W. 56th St.)

Scope of Work: 552 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 45

From: Pier 987-NS (N.W. 56th St.)

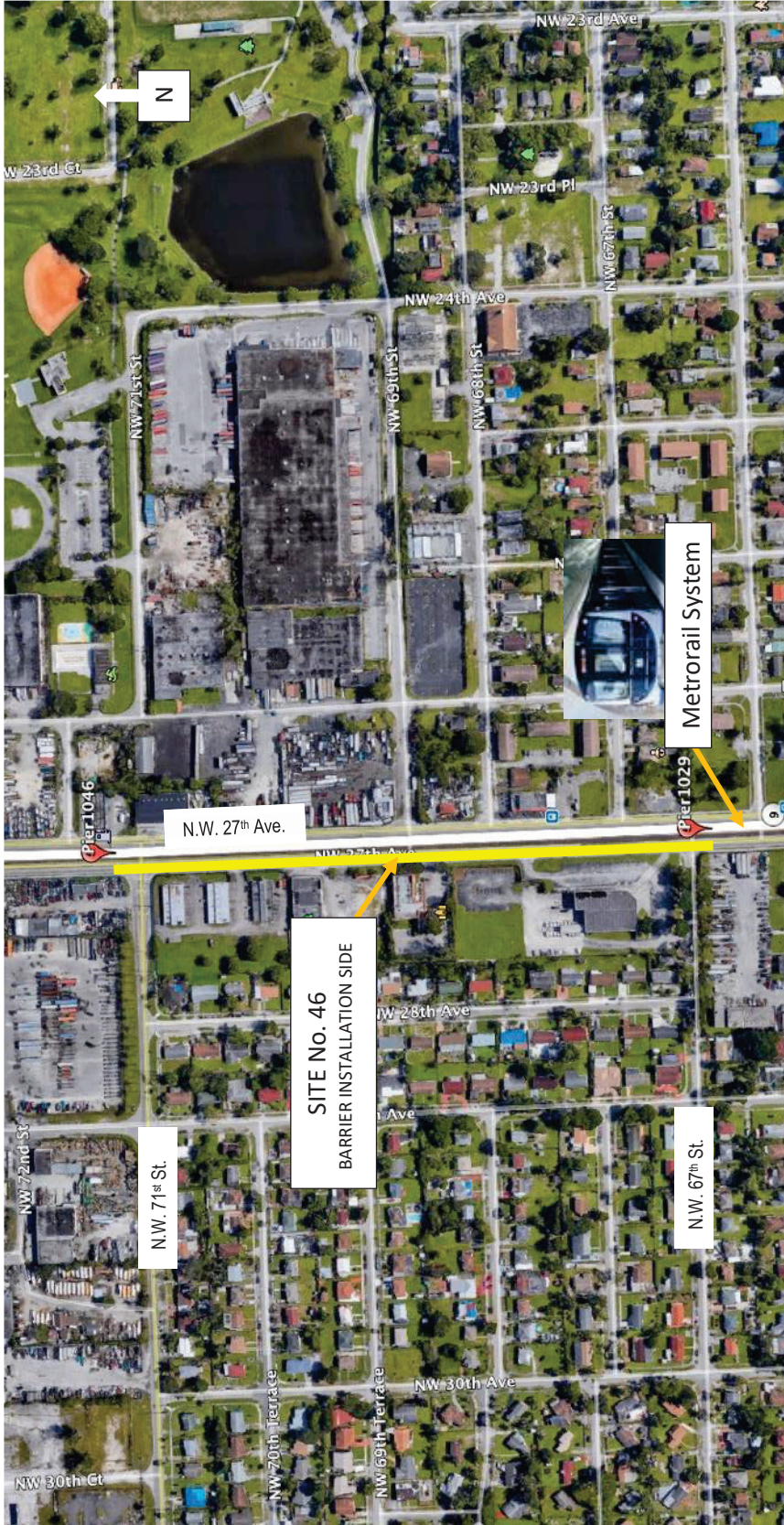
To: Pier 991-NS (N.W. 57th St.)

Scope of Work: 326 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 46

From: Pier 1029-NS (N.W. 67th St.)

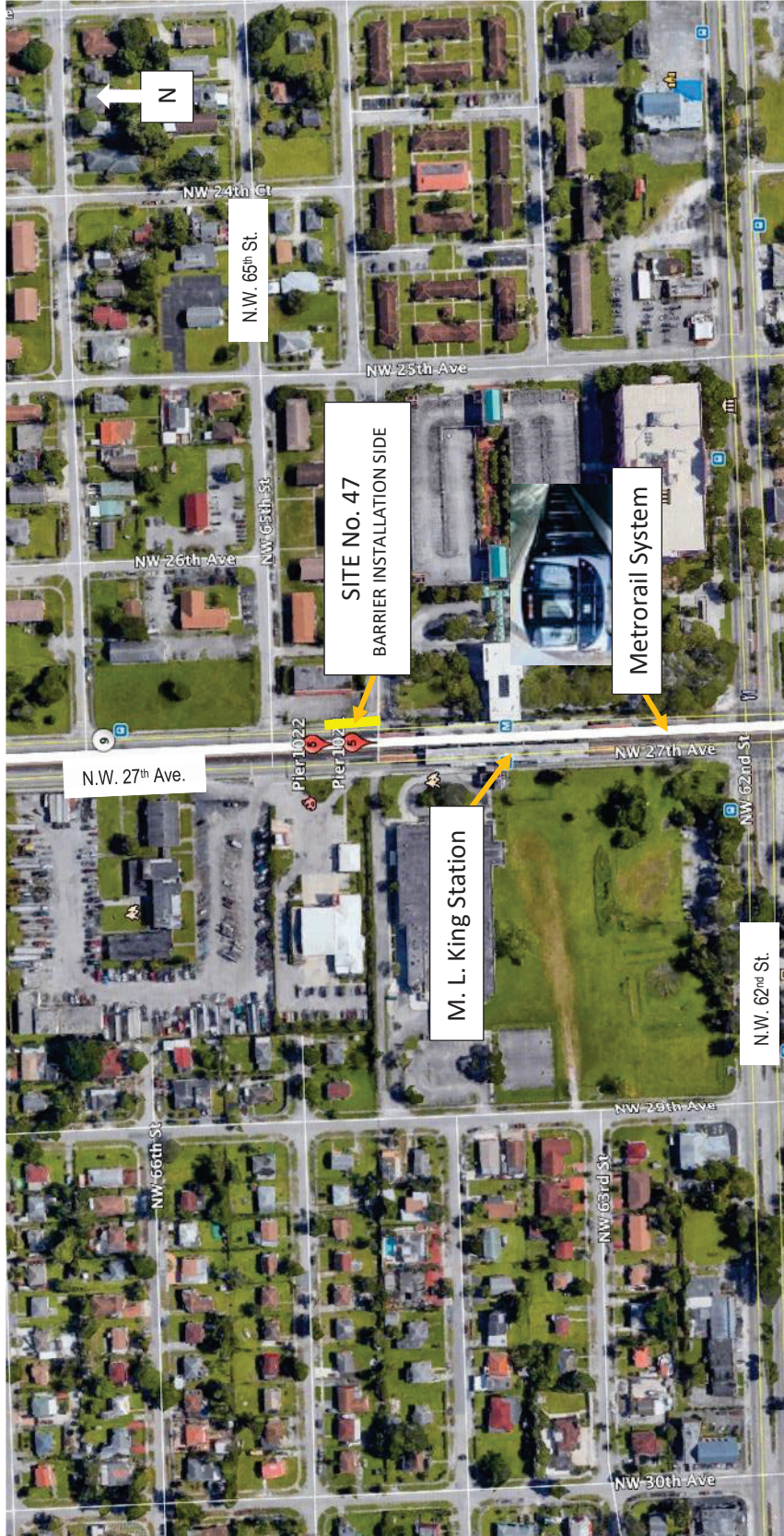
To: Pier 1046-NS (N.W. 71st St.)

Scope of Work: 1,463 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 47

From: Pier 1021-NS (Inside of M. L. King Station)

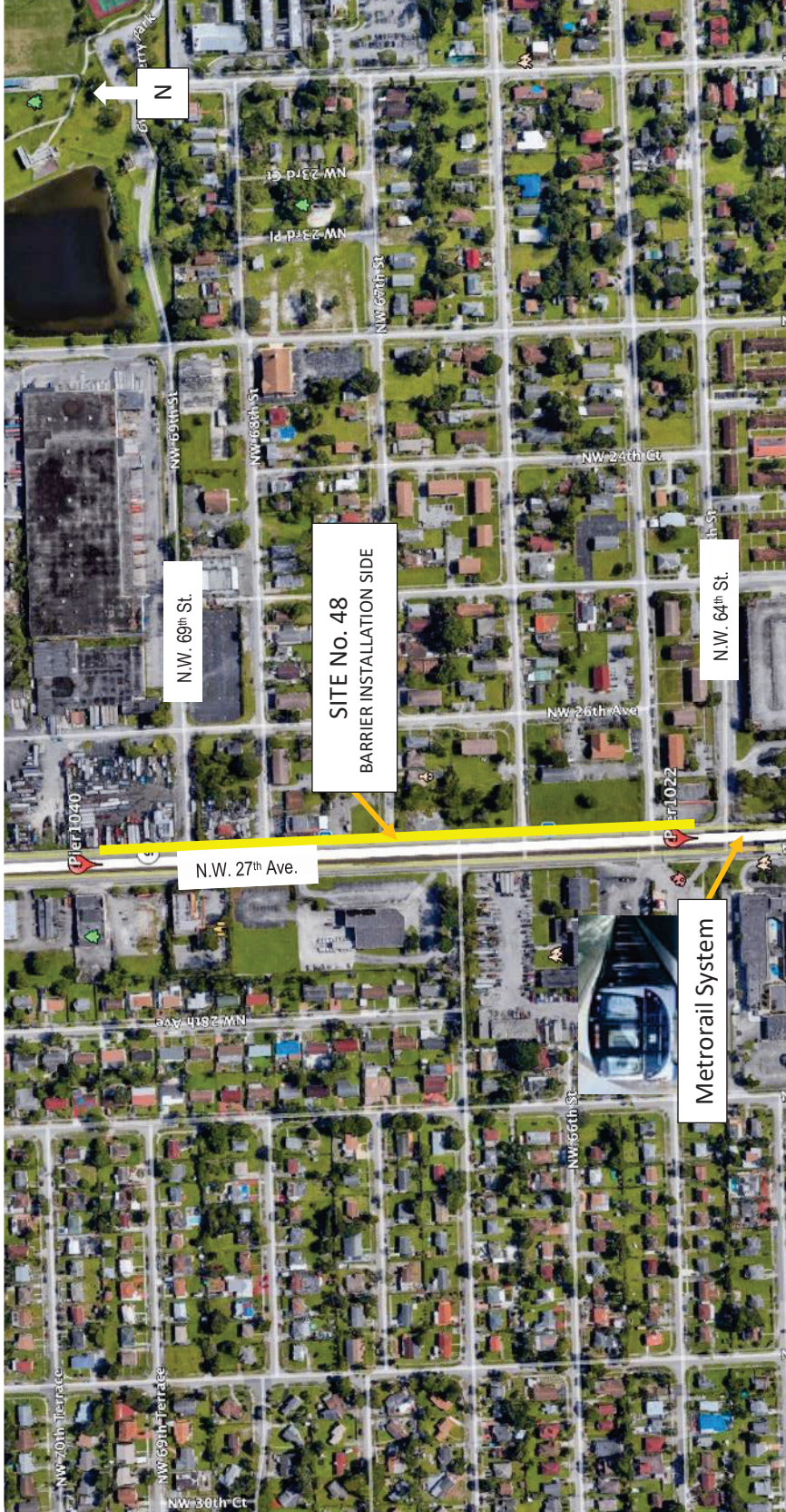
To: Pier 1022-NS (N.W. 65th St.)

Scope of Work: 80 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 48

From: Pier 1022-NS (N.W. 64th St.)

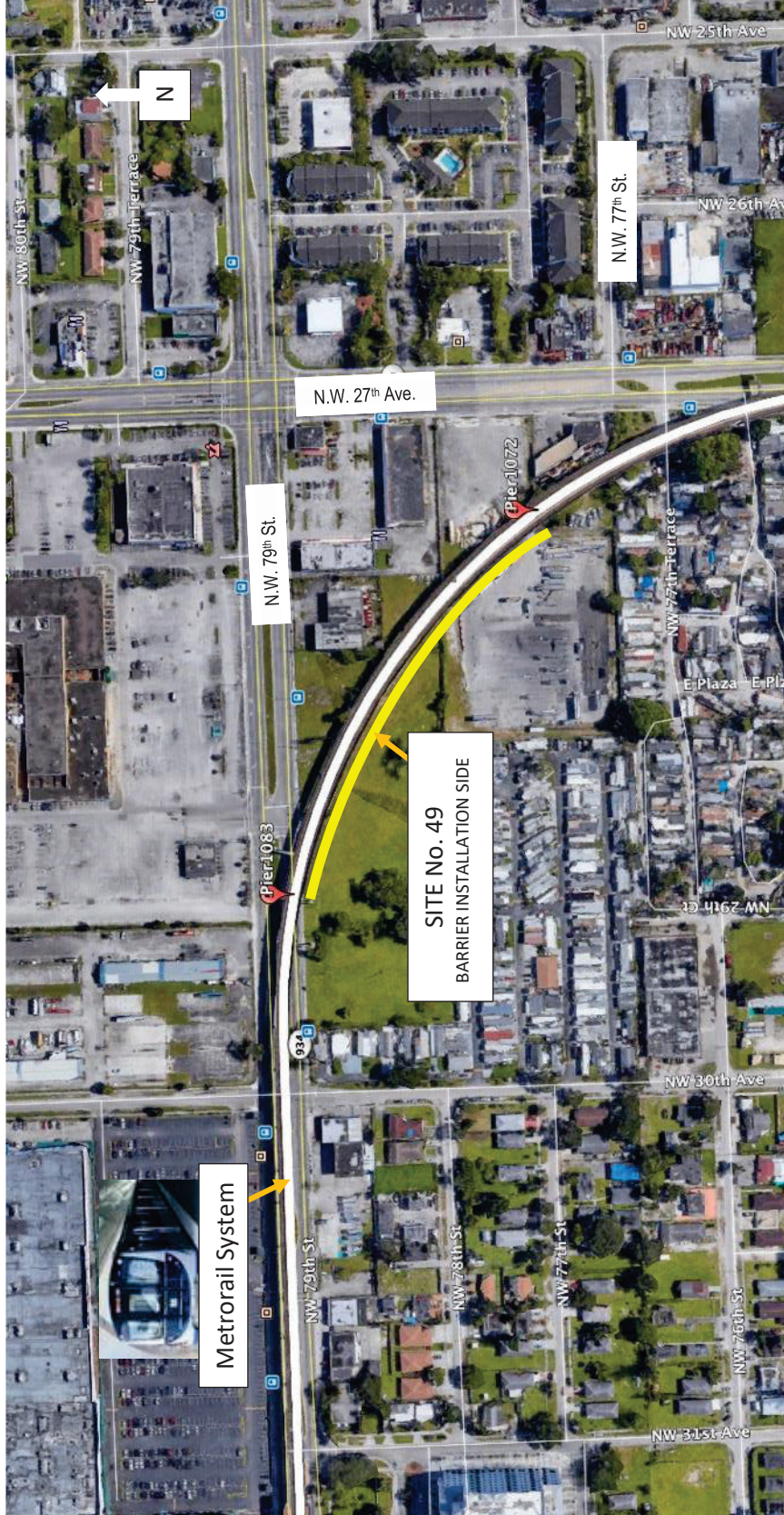
To: Pier 1040-NS (N.W. 69th St.)

Scope of Work: 1,529 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 49

From: Pier 1072-NS (N.W. 77th St.)

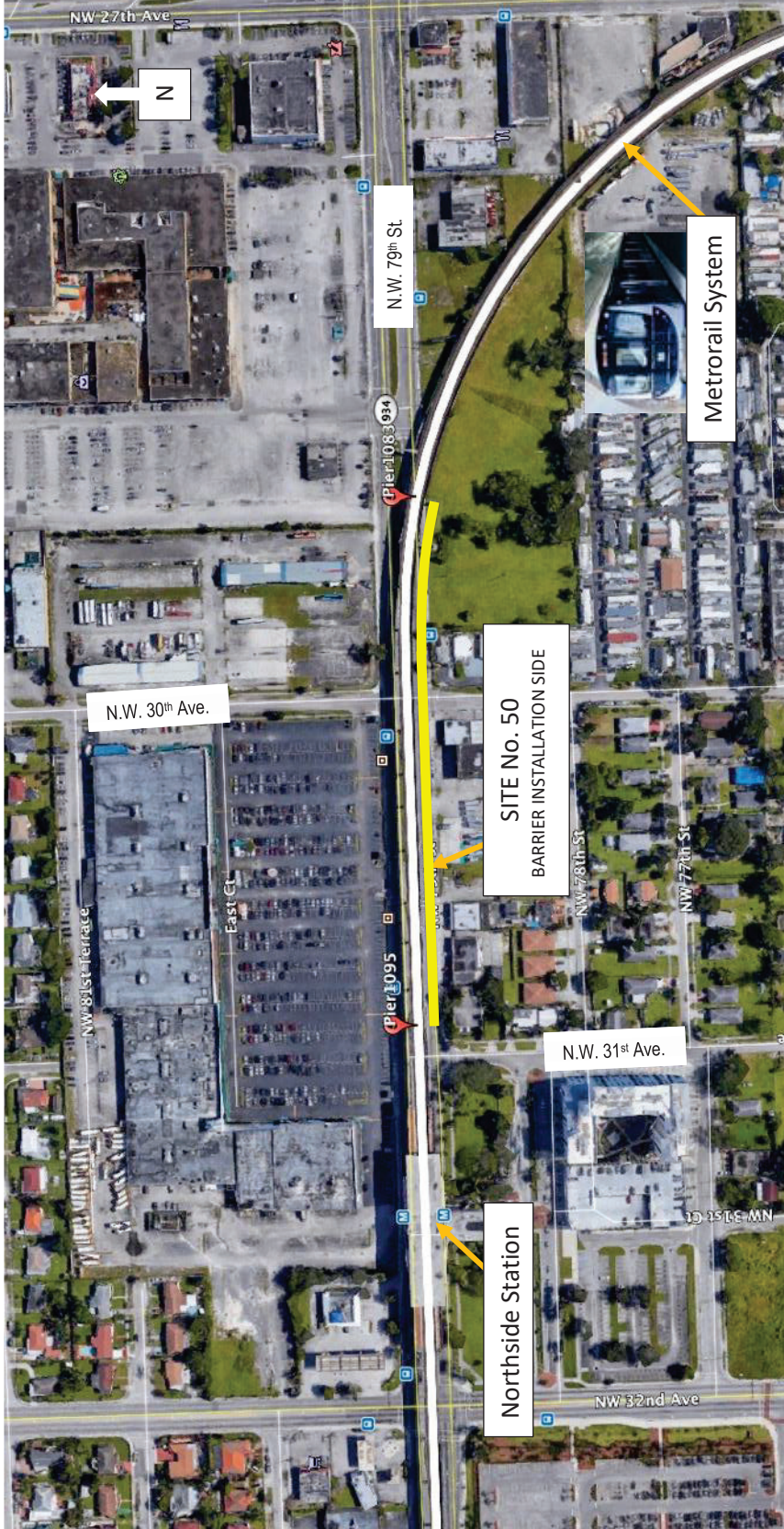
To: Pier 1083-NS (N.W. 79th St.)

Scope of Work: 912 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 50

From: Pier 1083-NS (N.W. 30th Ave.)

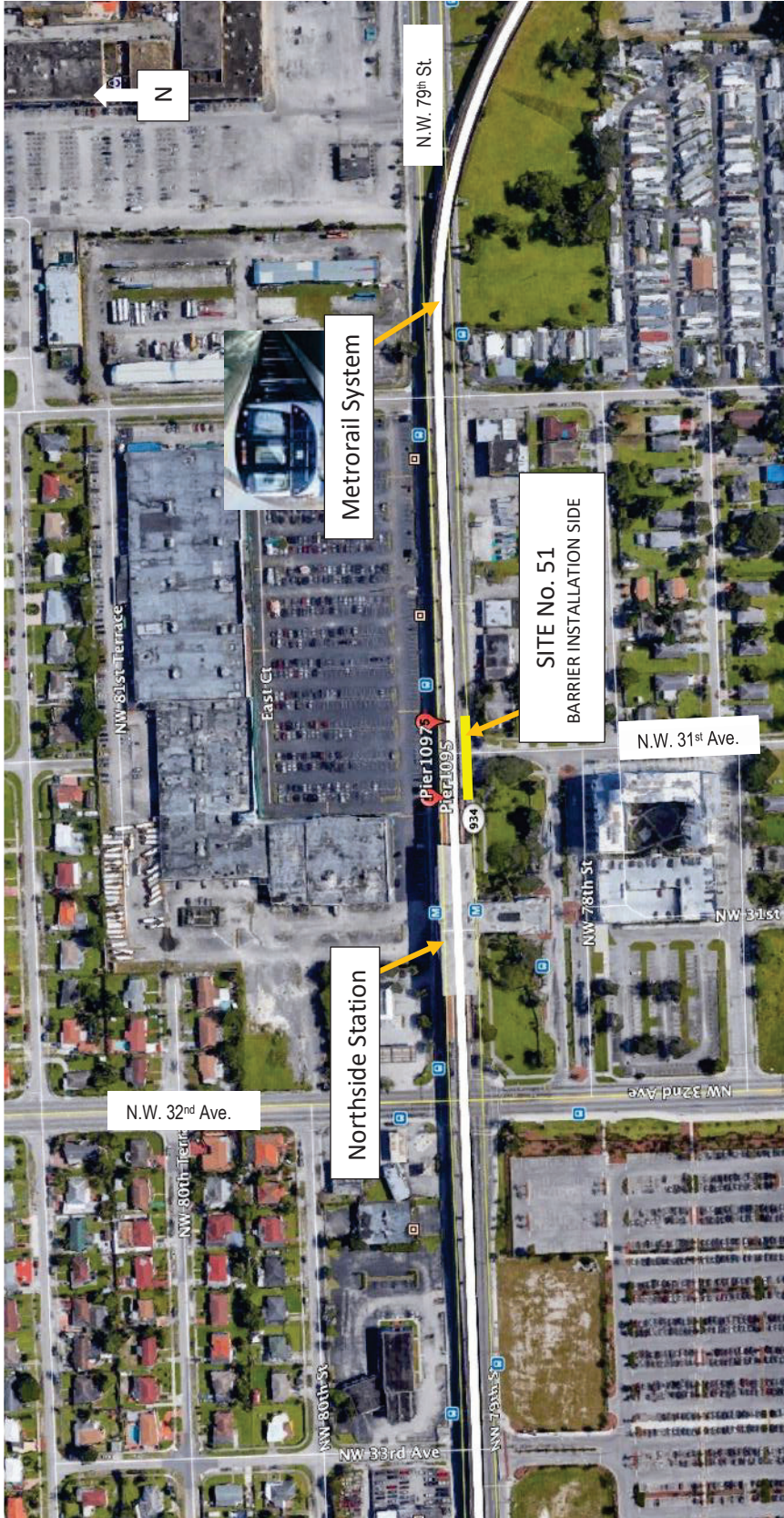
To: Pier 1095-NS (N.W. 31st Ave.)

Scope of Work: 1,010 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 51

From: Pier 1095-NS (N.W. 31st Ave.)

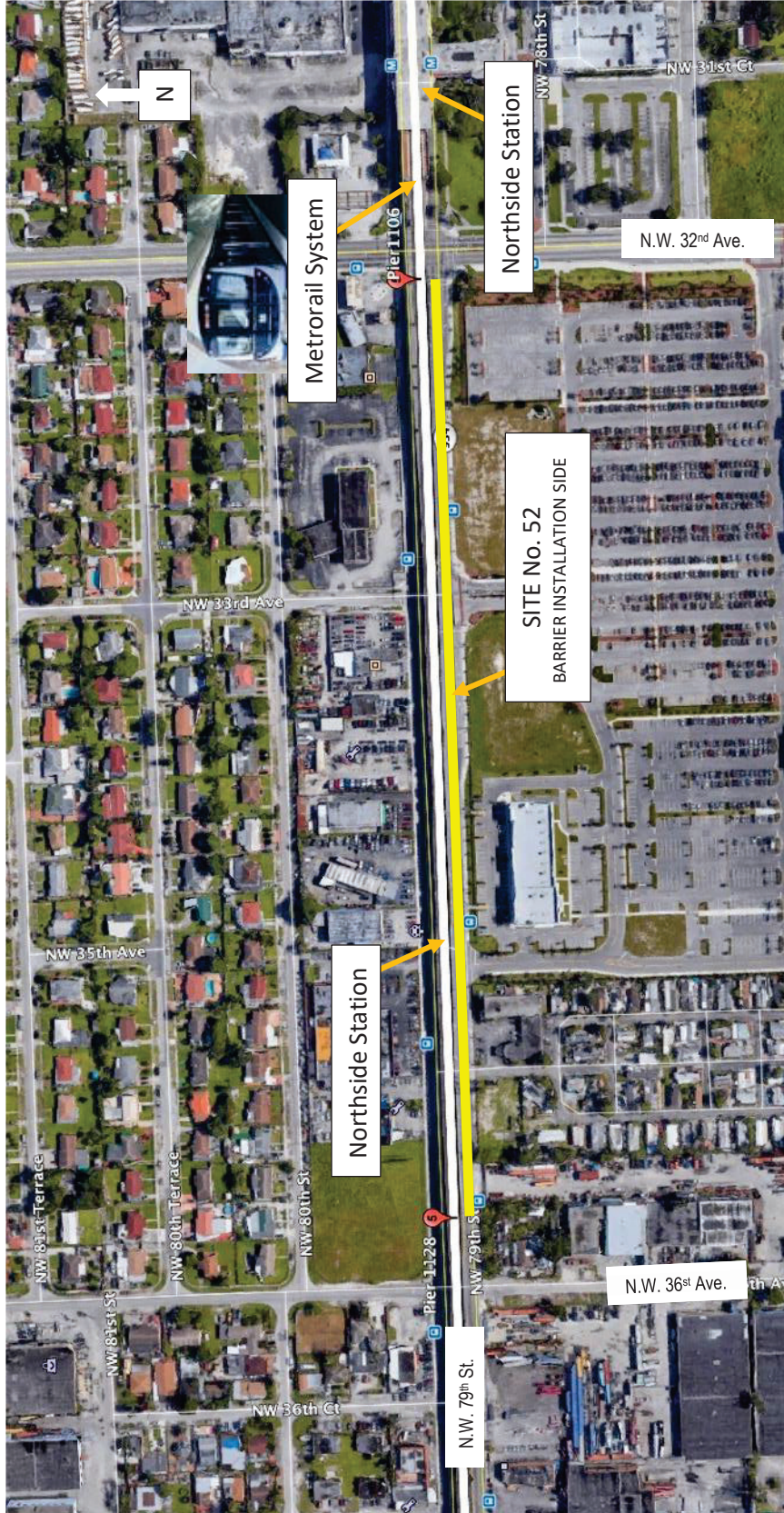
To: Pier 1097-NS (Inside Northside Station)

Scope of Work: 146 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 52

From: Pier 1106-NS (N.W. 32nd Ave.)

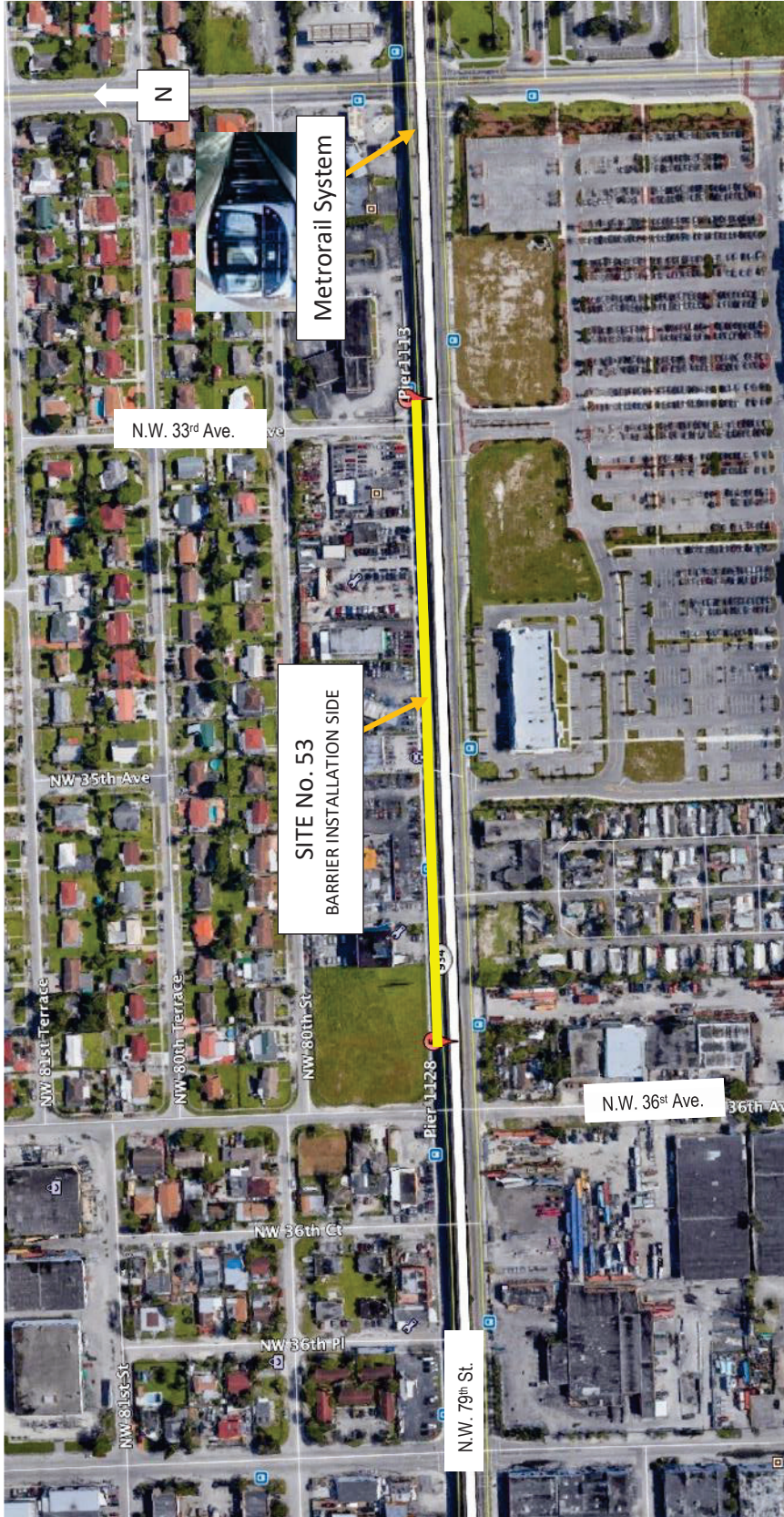
To: Pier 1128-NS (N.W. 36th Ave.)

Scope of Work: 1,824 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metro rail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 53

From: Pier 1113-NS (N.W. 33rd Ave.)

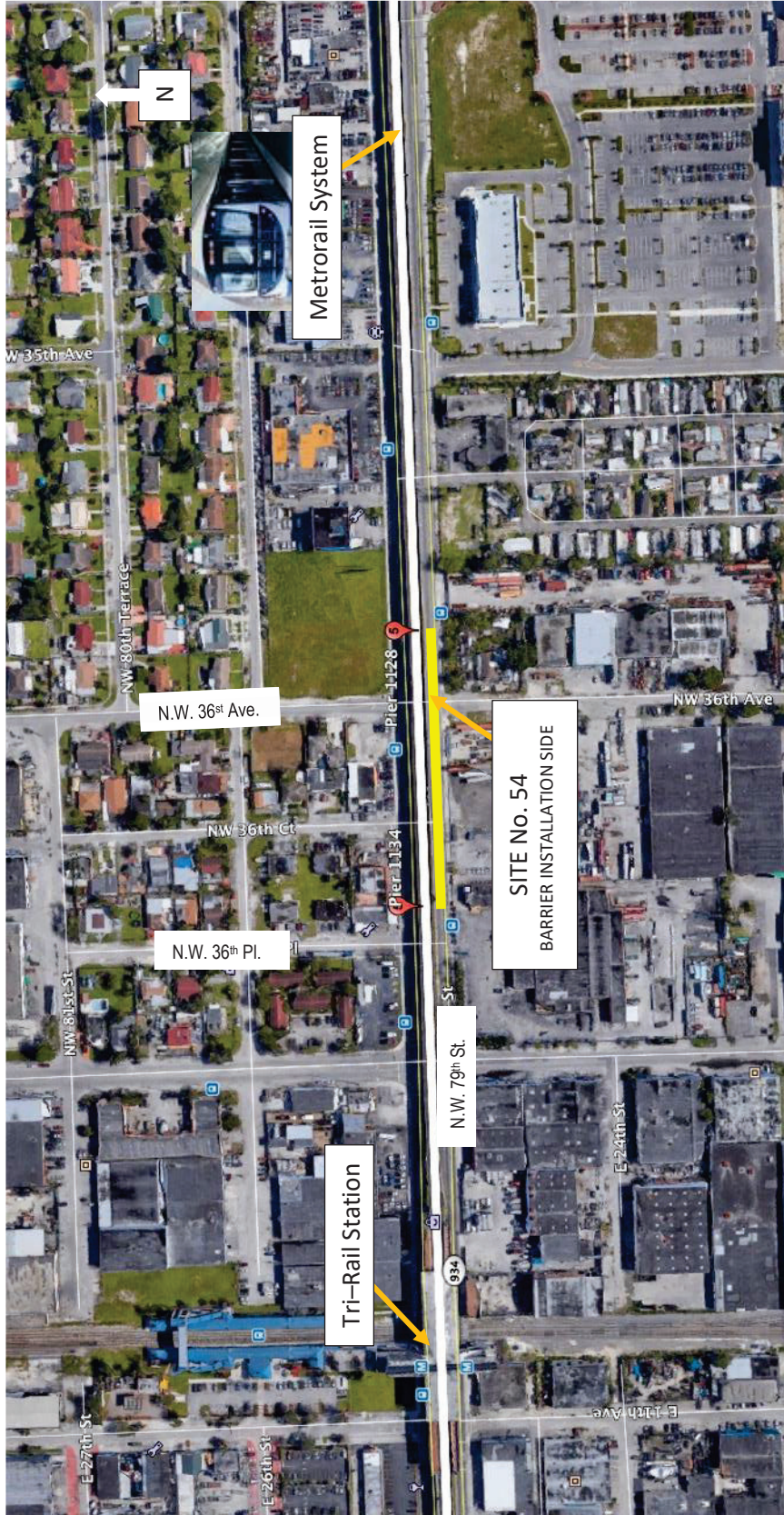
To: Pier 1128-NS (N.W. 36th Ave.)

Scope of Work: 1,262 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 54

From: Pier 1128-NS (N.W. 36th Ave.)

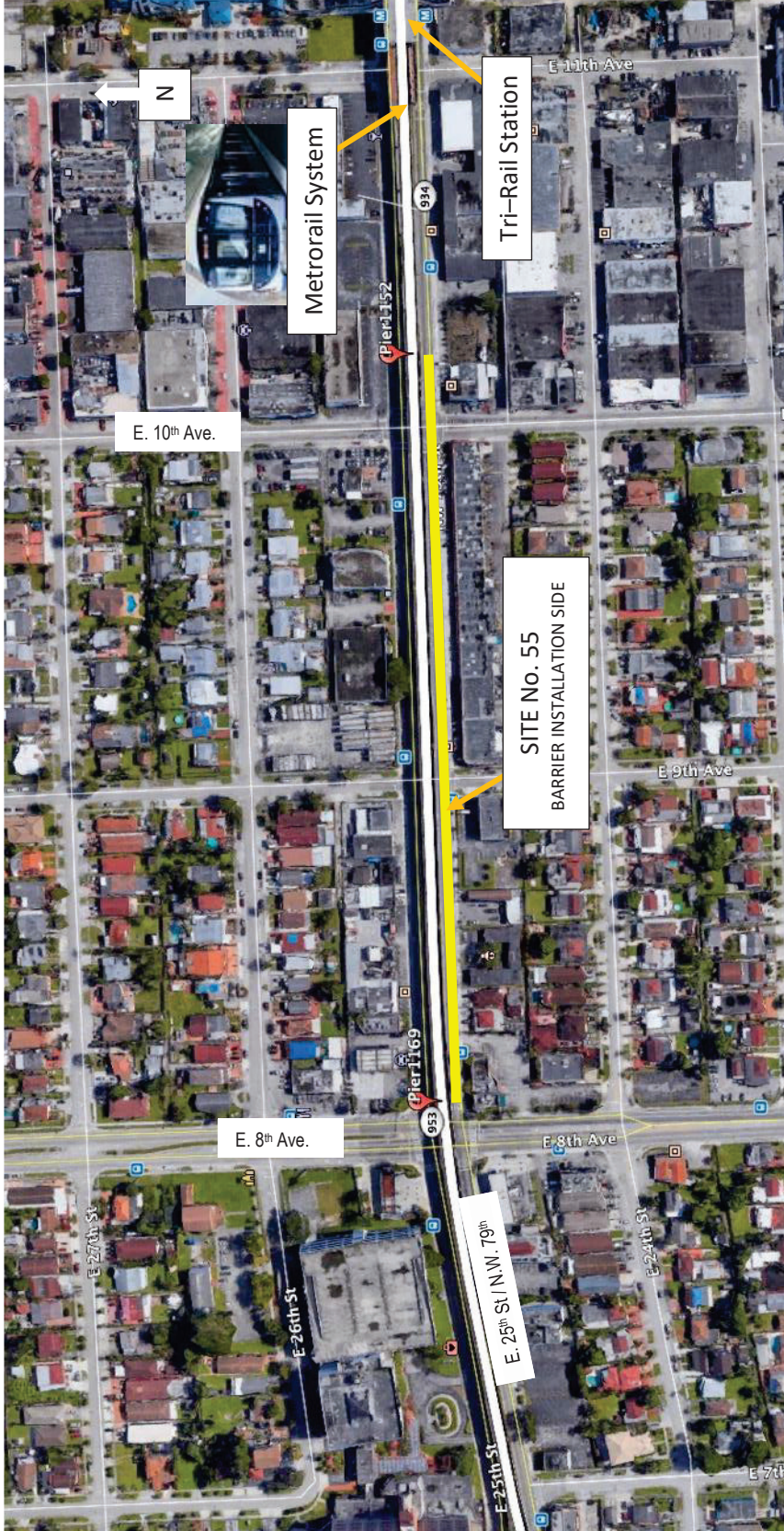
To: Pier 1134-NS (N.W. 36th Pl.)

Scope of Work: 508 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 55

From: Pier 1152-NS (E. 10th Ave.)

To: Pier 1169-NS (E. 8th Ave.)

Scope of Work: 1,408 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 56

From: Pier 1169-NS (E. 8th Ave.)

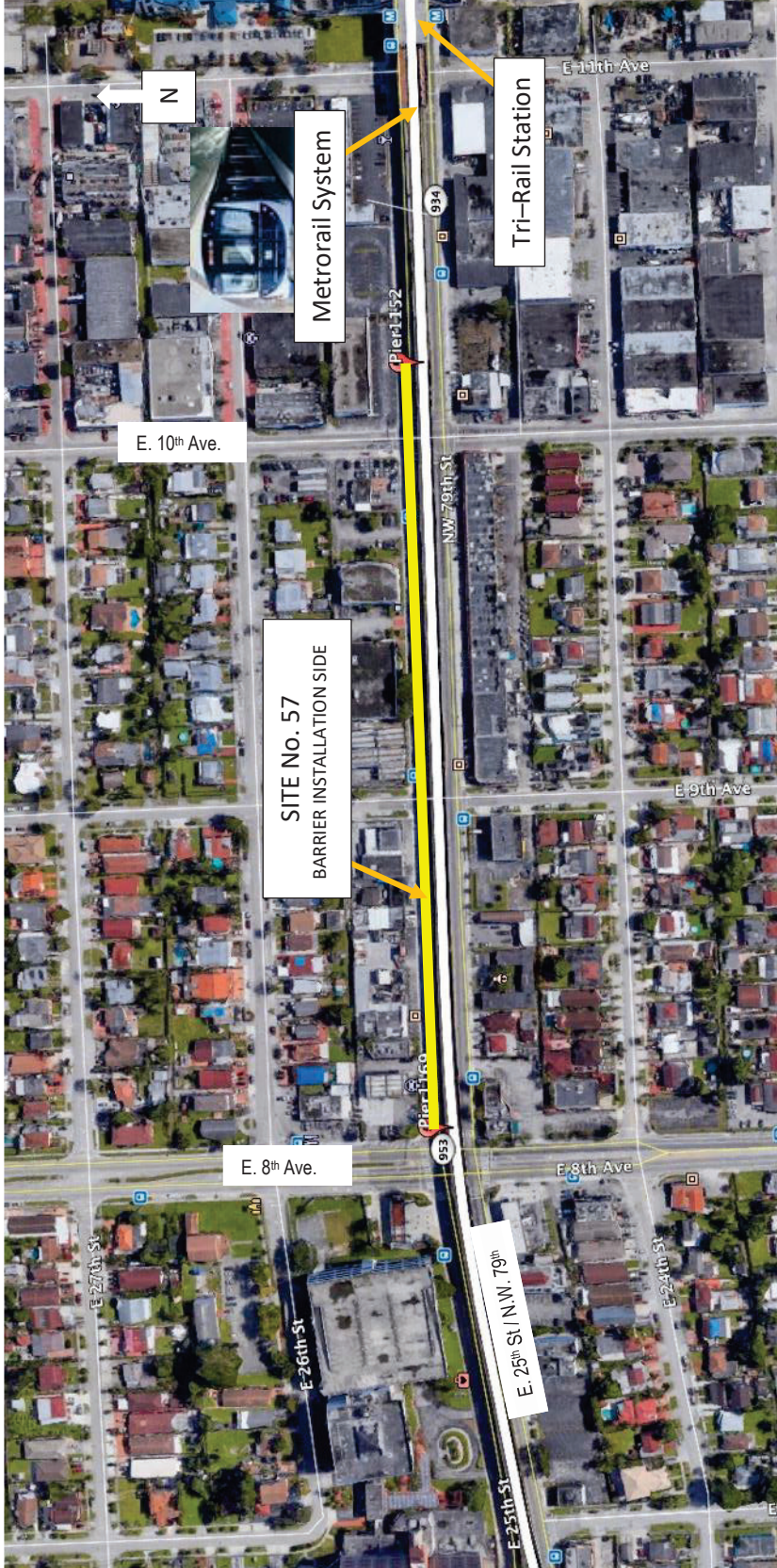
To: Pier 1178-NS (E. 7th Ave.)

Scope of Work: 787 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 57

From: Pier 1152-NS (E. 10th Ave.)

To: Pier 1169-NS (E. 8th Ave.)

Scope of Work: 1,408 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 58

From: Pier 1201-NS (E. 5th Ave.)

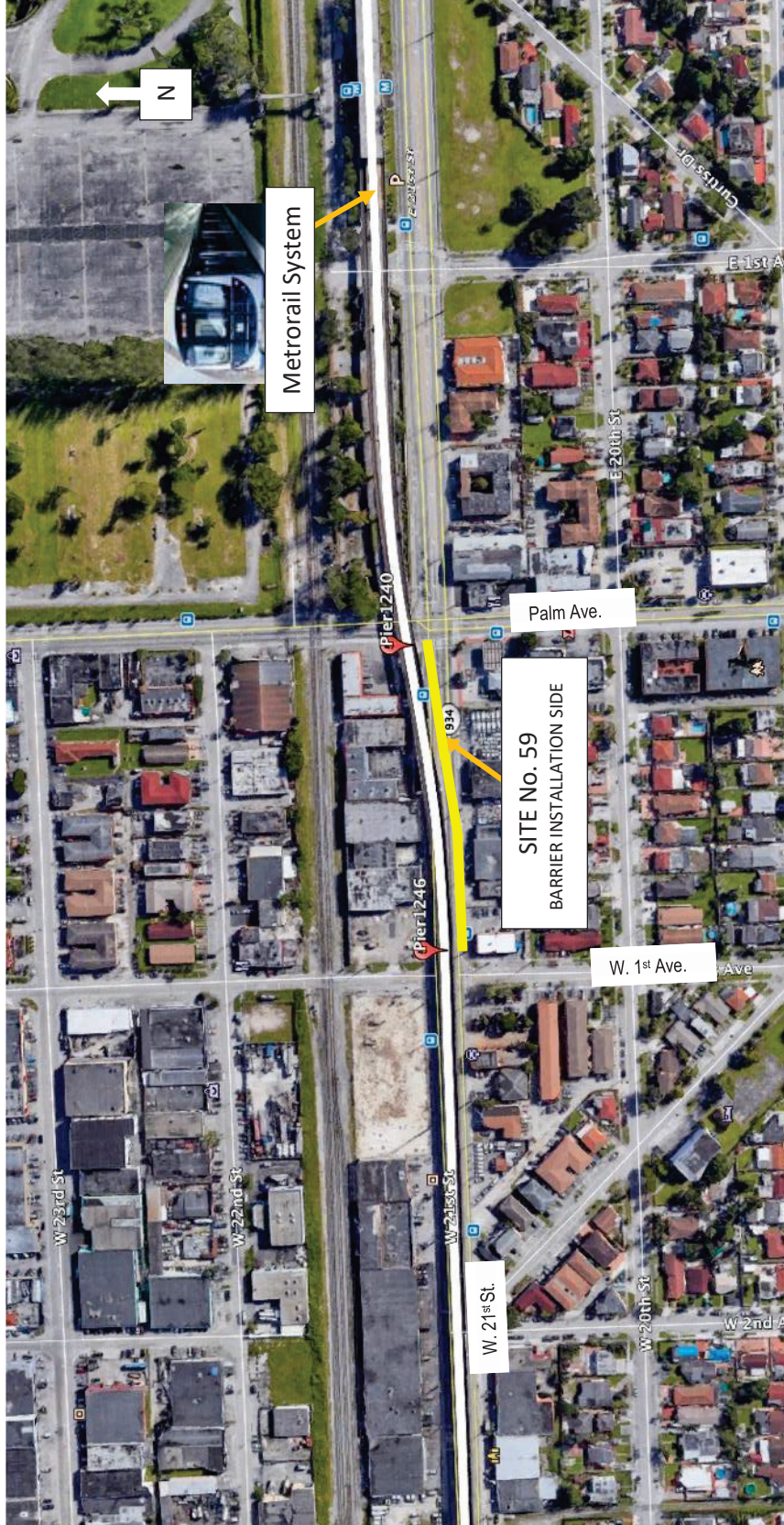
To: Pier 1206-NS (E. 4th Ave. / Flamingo Way)

Scope of Work: 388 linear feet – Northbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrarail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE No. 59

From: Pier 1240-S (Palm Ave.)

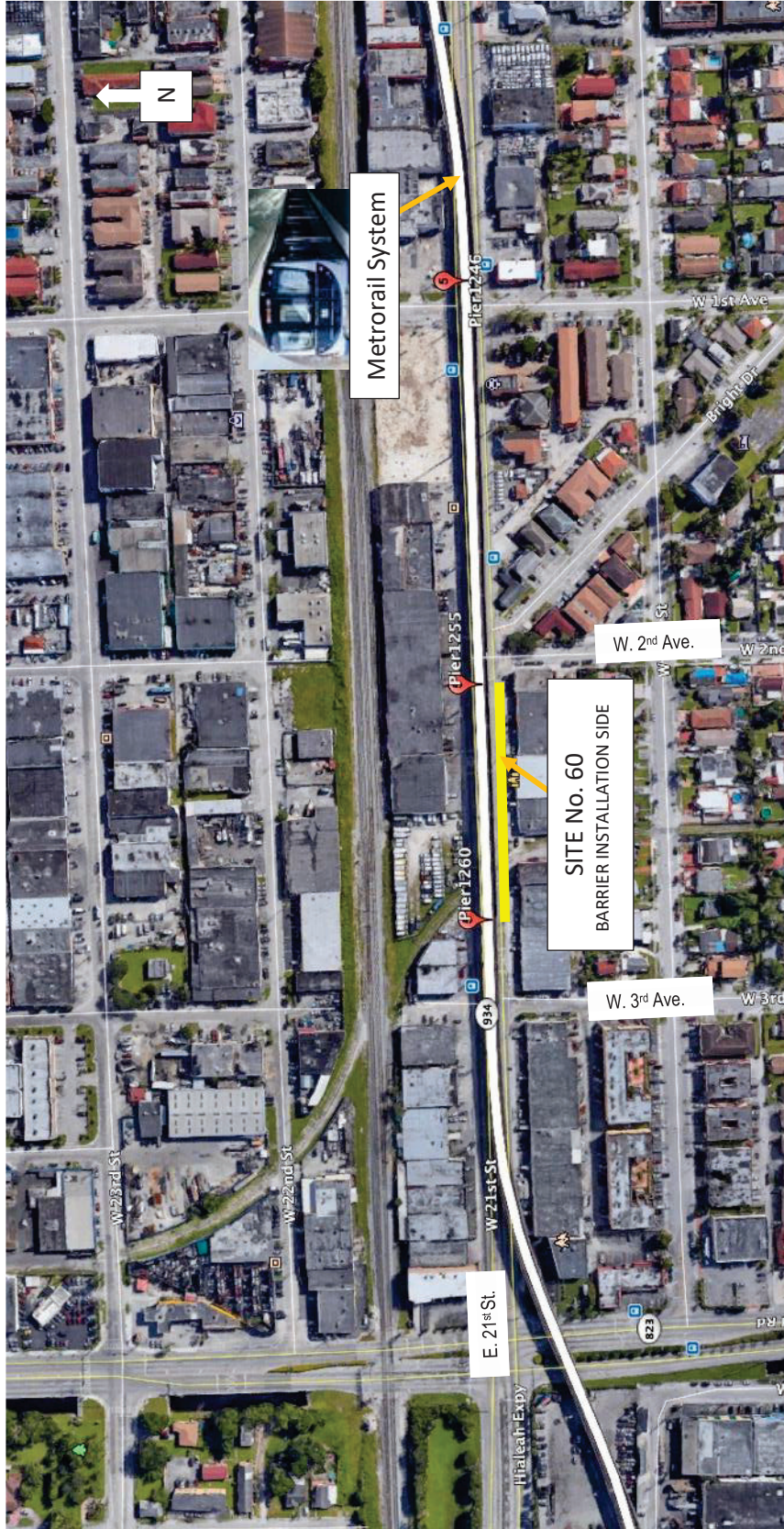
To: Pier 1246-S (W. 1st Ave.)

Scope of Work: 575 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

Metrorail Acoustical Barrier Replacement – Phase 3 (Part 2 of 2)



SITE NO. 60

From: Pier 1255-NS (W. 2nd Ave.)

To: Pier 1260-NS (W. 3rd Ave.)

Scope of Work: 437 linear feet – Southbound train side only (Yellow line)

Installation Schedule:

Projected Installation Month															
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16

PROJECT NAME: METRO RAIL ACOUSTICAL BARRIER REPLACEMENT PHASE 3 (PART 2 OF 2)

IF THIS PROPOSAL IS ACCEPTED, THE UNDERSIGNED BIDDER AGREES TO COMPLETE ALL WORK IN ACCORDANCE WITH THIS CONTRACT WITHIN THE CONTRACT DURATION SPECIFIED IN THE CONTRACT DOCUMENTS. PRICING SHALL BE INCLUSIVE OF ALL REQUIREMENTS TO COMPLETE THE SCOPE OF WORK AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

ITEM No.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL PRICE
1	General Conditions	LS	1		\$ 758,000.00
2	Mobilization	LS	1		\$1,379,000.00
3	Maintenance of Traffic	LS	1		\$60,000.00
4	Traffic Control Officer	LS	1		\$60,000.00
5	Acoustical Panels with Posts	Linear Feet of Alignment	49393*	\$ 600.00	\$ 29,635,800.00
TOTAL BASE BID					\$ 31,892,800.00

***Quantities are based on maximum estimates for this project.**

(Instructions: The spaces provided in the Unit Price and Total Price Column(s) for the Bid Line Item(s) must be filled in and no spaces left blank. The sum of the Bid Line Items must represent your Base Bid Total. Failure to submit a complete and accurate Bid Form may result in your bid found non-responsive.)

A TEN PERCENT (10%) CONTINGENCY ALLOWANCE AND OTHER DEDICATED ALLOWANCES AS REQUIRED WILL BE ADDED TO THE BASE BID TOTAL AS STIPULATED IN THE CONTRACT DOCUMENTS.

“Pursuant to the general terms and conditions of the solicitation document, local preference is applicable to this solicitation. However, please be advised that the reciprocity agreement with Broward County expired September 30, 2017. Accordingly, local preference will only be afforded to a firm that meets the requirements for Miami-Dade County in any solicitation with a due date after September 30, 2017.”



LOCAL PREFERENCE CERTIFICATION: For the purpose of this certification, a "local business" is a business located within the limits of Miami-Dade County (or Broward County in accordance with the Interlocal Agreement between the two counties) that conforms with the provisions of Section 1.10 of the General Terms and Conditions of this solicitation and contributes to the economic development of the community in a verifiable and measurable way. This may include, but not be limited to, the retention and expansion of employment opportunities and the support and increase to the County's tax base.

Place a check mark here only if affirming bidder meets requirements for Local Preference. Failure to complete this certification at this time (by checking the box above) may render the vendor ineligible for Local Preference.

LOCALLY-HEADQUARTERED BUSINESS CERTIFICATION: For the purpose of this certification, a "locally-headquartered business" is a Local business whose "principal place of business" is in Miami-Dade County as defined in Section 1.10 of the General Terms and Conditions of this solicitation.


Place a check mark here only if affirming bidder meets requirements for the Locally-Headquartered Preference (LHP). Failure to complete this certification at this time (by checking the box above) may render the vendor ineligible for the LHP. The address of the locally-headquartered office is 13901 NW 118th Ave. Miami, FL 33178

LOCAL CERTIFIED WARTIME VETERAN BUSINESS ENTERPRISE CERTIFICATION: A Local Certified Service-Warime Veteran Business Enterprise is a firm that is (a) a local business pursuant to Section 2-8.5 of the Code of Miami-Dade County and (b) prior to bid submission is certified by the State of Florida Department of Management Services as a service-warime veteran business enterprise pursuant to Section 295.187 of the Florida Statutes.

Place a check mark here only if affirming bidder is a Local Certified Service-Warime Veteran Business Enterprise. A copy of the certification must be submitted with this proposal.

LICENSE NO. CGC1519544 BIDDER'S NAME Halley Engineering Contractors, Inc.

BIDDER'S TELEPHONE NUMBER (305) 883-0055 BIDDER'S ADDRESS dhalley@halleyeng.com

BIDDER'S FEIN NUMBER 20-4804098 BIDDER'S SIGNATURE  , Daniel I. Halley, President

THE BIDDER UNDERSTANDS AND AGREES THAT THE BASE BID TOTAL AND ALL APPLICABLE ALLOWANCES ARE INCLUSIVE OF ALL WORK NECESSARY TO COMPLETE THE SCOPE OF WORK AS DESCRIBED IN THE CONTRACT DOCUMENTS, AND IF THIS PROPOSAL IS ACCEPTED, THE BIDDER AGREES TO ENTER INTO AND EXECUTE THE CONTRACT WITH THE NECESSARY BOND AND ACCEPT THE ABOVE BASE BID, INCLUSIVE OF ALL ALLOWANCES, AS FULL COMPENSATION FOR THE WORK PERFORMED UNDER THIS CONTRACT.



Member of the SNC-Lavalin Group

Atkins
3250 West Commercial Boulevard
Suite 120
Ft. Lauderdale, FL 33309
Tel: +1 954 733 7233
Fax: +1 954 733 1101
Direct: +1 954 903 3611

atkinglobal.com
snclavalin.com

Contract Number: : CIP168-DTPW20-CT2

German A. Arenes, PE
Chief of Construction, Structural Inspection and Analysis
Miami-Dade Department of Transportation and Public Works
Engineering, Planning and Development
Overtown Transit Village
701 NW 1st Court
Miami, FL 33136

10 September 2020

Letter of Buildability
Metrorail Acoustical Barrier Replacement, Phase 3 (Part 2 of 2)

Dear German

Atkins North America, Inc. (Atkins) has reviewed the bid tabulation provided by Miami-Dade Department of Transportation and Public Works for the above-mentioned contract. Variances between our revised Construction Estimate and the bid tabulation for all bidders can be attributed to Contractor means and methods. It is our assessment that the lowest conforming bidder, Halley Engineering Contractors, Inc., has provided a reasonable and competitive bid based on current market conditions. Atkins agrees with the recommendation to award.

Regards

Glenn F. Myers

The Contractor agrees that the requirements of this contract are reasonable and achievable.

The Contractor further agrees that the Rates of Wages for all laborers, mechanics and apprentices employed by the Contractor or any Subcontractor shall be not less than the prevailing rate of wages for similar skills or classifications, all in accordance with Section 215.19, Florida Statutes, which said Section is hereby incorporated into this Contract by reference, or in accordance with the decision of the Secretary of Labor of the United States Department of Labor, as applicable and all provisions thereof shall be strictly complied with by the Contractor and his Subcontractors.

In consideration of the premises, Miami-Dade County hereby agrees to pay to the Contractor for said work, when fully completed, the total sum of \$35,212,080.00 (inclusive of base for \$31,892,800.00, 10.00% Contingency Allowance Account for \$3,189,280.00 and a Dedicated Allowance Account for Structural Damage Repairs for \$130,000.00, being the amount obtained from either the aggregate lump sum prices, the application of unit prices to the quantities shown in the Bid Form or the combination of both.

The total sum is subject to such additions and deductions as may be provided for in the Contract Documents.

Payments on account will be made as provided for in the Contract Documents.

CONTRACT No.: CIP168-DTPW20-CT2

In Witness whereof, the parties hereto have caused this Contract to be executed by their appropriate officials, as of the date first above written.

(OFFICIAL SEAL)

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF COUNTY COMMISSIONERS

ATTEST:

HARVEY RUVIN, CLERK

By: _____
Deputy Clerk

By: _____
Mayor

Approved For Sufficiency of Execution Only:

By: _____
Assistant County Attorney

CONTRACT No.: CIP168-DTPW20-CT2

When Contractor is a corporation:

(CORPORATE SEAL)

Halley Engineering Contractors, Inc.

(printed name of corporation)

Florida

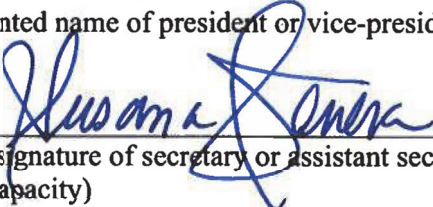
(printed state of incorporation)

By: 

(signature of president or vice-president & capacity)

By: Daniel Halley, P.E. President

(printed name of president or vice-president & capacity)

By: 

(signature of secretary or assistant secretary & capacity)

Susana Herrera Secretary

(printed name of secretary or assistant secretary & capacity)

13901 NW 118th Avenue

Miami, FL 33178

(business address of corporation)

ACKNOWLEDGMENT:

STATE OF Florida) ss.:

COUNTY OF Miami Dade)

CONTRACT No.: CIP168-DTPW20-CT2

Before me personally appeared Daniel Halley, P.E., as President, to me well known or has presented _____ as

(Type of Identification)

identification and Susana Herrera, as Secretary, to me well known or has presented _____ a

(Type of Identification)

identification and known to me to be the individuals described in and who executed the foregoing instrument as X President and X Secretary of the above named Halley Engineering Contractors, Inc. a Corporation, and severally acknowledged that they executed such instrument as President and _____ Secretary, respectively, of said corporation, and that the seal affixed to the foregoing instrument is the corporate seal of said corporation and that it was affixed to said instrument by due and regular corporate authority, and said instrument is the free act and deed of said corporation.

SUBSCRIBED AND SWORN TO (or affirmed) before me on 09/14/2020

(Date)

Daniel Halley, and They are
by Susana Herrera, respectively. He/She is personally known to me

(Affiant)

or has presented _____ as identification.

(Type of Identification)

[Handwritten Signature]

(Signature of Notary)

GG 060172

(Serial Number)

Krystal Londono

(Print or Stamp Name of Notary)

01/05/21

(Expiration Date)

Notary Public Florida

(State)

Notary Seal:



Vendor Profile: Contracts

Help & Tools 

General	Public Profile	Users	Commodity Codes	Contacts & Owners	Comments	Certifications	Contracts	Concessions	Site Visits
Workforce Comp/EEO	EDP Registrations	Reports							

HALLEY ENGINEERING CONTRACTORS INC (PART TIME)

System Vendor Number: 20134686

Listed below are the contracts to which this vendor is assigned.

Contracts as Prime Contractor

No contracts assigned as a prime contractor.

Contracts as Subcontractor

Actions	Contract Number & Title	Sub Contact	Status	Prime	Current Subcontract	Paid Amount
View	20180104: Joint Participation Agreement (JPA) between Miami Dade County and City of Hialeah Design and Construction of a Roadway Improvement Project along NW 102 Avenue from NW 138 Street to NW 145 Place	Ileana Aztiazarain (change)		City of Hialeah	\$0 0.00%	\$0
View	20160075: JOINT PARTICIPATION AGREEMENT (JPA) BETWEEN MIAMI-DADE COUNTY AND THE CITY OF HIALEAH FOR ROADWAY IMPROVEMENT PROJECT ALONG NW 97 AVENUE FROM NW 154 STREET TO NW 170 STREET	DANIEL HALLEY (change)		City of Hialeah	\$0 0.00%	\$0
Number of contracts as subcontractor: 2					\$0	\$0

[Customer Support](#)[Home](#) | [Print This Page](#) | [Print To PDF](#) | [Translate](#)

Copyright © 2020 B2Gnow. All rights reserved.



MEMORANDUM
(Revised)

TO: Honorable Chairman Jose "Pepe" Diaz
and Members, Board of County Commissioners

DATE: March 2, 2021

FROM: 
Geri Bonzon-Keenan
County Attorney

SUBJECT: Agenda Item No. 8(N)(1)

Please note any items checked.

- "3-Day Rule" for committees applicable if raised
- 6 weeks required between first reading and public hearing
- 4 weeks notification to municipal officials required prior to public hearing
- Decreases revenues or increases expenditures without balancing budget
- Budget required
- Statement of fiscal impact required
- Statement of social equity required
- Ordinance creating a new board requires detailed County Mayor's report for public hearing
- No committee review
- Applicable legislation requires more than a majority vote (i.e., 2/3's present ____, 2/3 membership ____, 3/5's ____, unanimous ____, CDMP 7 vote requirement per 2-116.1(3)(h) or (4)(c) ____, CDMP 2/3 vote requirement per 2-116.1(3)(h) or (4)(c) ____, or CDMP 9 vote requirement per 2-116.1(4)(c)(2) ____) to approve
- Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved _____ Mayor
Veto _____
Override _____

Agenda Item No. 8(N)(1)
3-2-21

RESOLUTION NO. _____

RESOLUTION APPROVING AWARD OF CONSTRUCTION CONTRACT FOR THE METRORAIL ACOUSTICAL BARRIER REPLACEMENT PHASE 3 (PART 2 OF 2) PROJECT, TO HALLEY ENGINEERING CONTRACTORS, INC. IN THE AMOUNT OF \$35,212,080.00 (INCLUSIVE OF A CONTINGENCY ALLOWANCE ACCOUNT OF \$3,189,280.00), FOR A TERM OF 610 DAYS; AUTHORIZING THE USE OF PEOPLE'S TRANSPORTATION PLAN BOND PROGRAM FUNDS FOR THIS PROJECT WHICH WAS ADDED TO THE FIVE-YEAR IMPLEMENTATION PLAN ON MARCH 6, 2018; AND AUTHORIZING THE COUNTY MAYOR OR COUNTY MAYOR'S DESIGNEE TO EXECUTE SAME AND TO EXERCISE THE RIGHTS CONTAINED THEREIN

WHEREAS, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA, that this Board:

Section 1. Approves the Award of a Construction Contract for the Metrorail Acoustical Barrier Replacement Phase 3 (Part 2 of 2) project to Halley Engineering Contractors, Inc. in the amount of \$35,212,080.00 (inclusive of a contingency allowance account of \$3,189,280.00), for a term of 610 days and authorizes the use of People's Transportation Plan Bond Program Funds for this Project, which was added to the Five-Year Implementation Plan on March 6, 2018.

Section 2. Authorizes the County Mayor or County Mayor's designee to execute same for and on behalf of Miami-Dade County and to exercise all rights contained therein, including

any termination and renewal provisions. A complete set of the construction contract documents are on file with and available upon request from the Manager of Capital Improvements Section of the Department of Transportation and Public Works.

The foregoing resolution was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and upon being put to a vote, the vote was as follows:

- | | |
|---------------------------------------|------------------------|
| Jose "Pepe" Diaz, Chairman | |
| Oliver G. Gilbert, III, Vice-Chairman | |
| Sen. René García | Keon Hardemon |
| Sally A. Heyman | Danielle Cohen Higgins |
| Eileen Higgins | Joe A. Martinez |
| Kionne L. McGhee | Jean Monestime |
| Raquel A. Regalado | Rebeca Sosa |
| Sen. Javier D. Souto | |

The Chairperson thereupon declared this resolution duly passed and adopted this 2nd day of March, 2021. This resolution shall become effective upon the earlier of (1) 10 days after the date of its adoption unless vetoed by the County Mayor, and if vetoed, shall become effective only upon an override by this Board, or (2) approval by the County Mayor of this resolution and the filing of this approval with the Clerk of the Board.

MIAMI-DADE COUNTY, FLORIDA
BY ITS BOARD OF
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: _____
Deputy Clerk

Approved by County Attorney as
to form and legal sufficiency.



Bruce Libhaber