

03-10-2023 LETTING ITEM 089

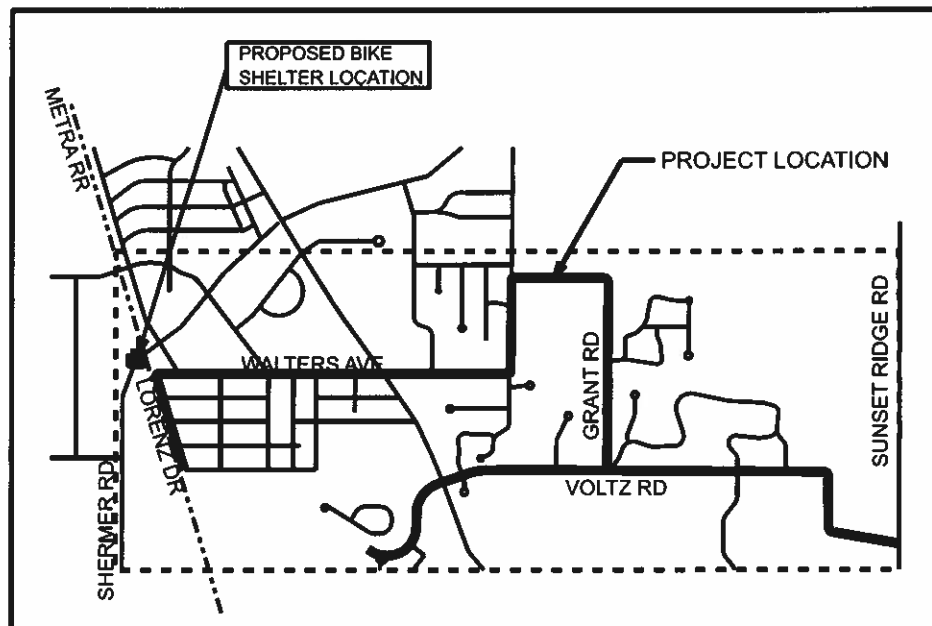
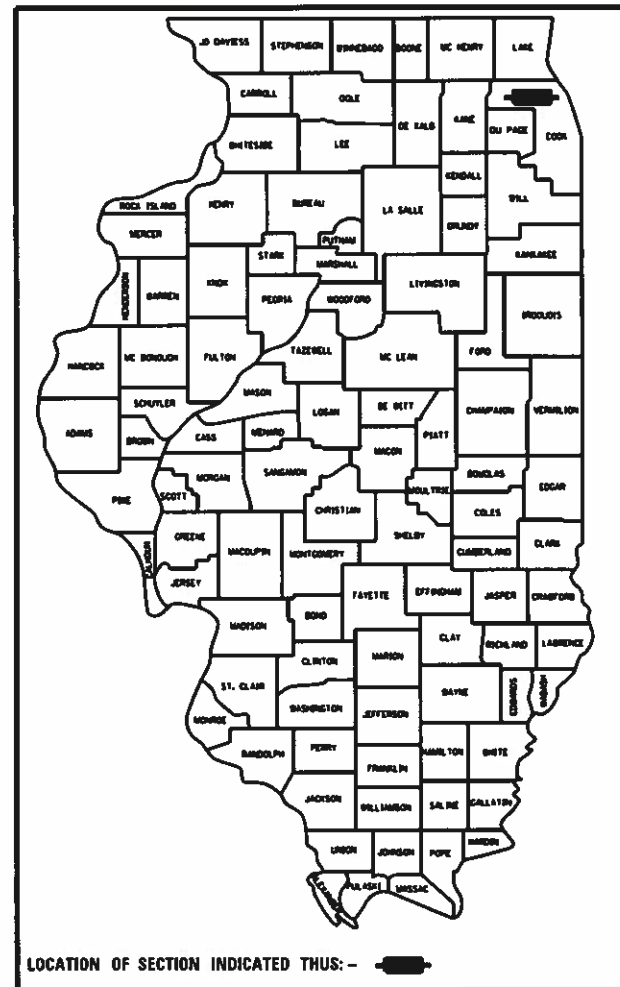
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED HIGHWAY PLANS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0356	21-00179-00-BT	WILL	23	01
ILLINOIS CONTRACT NO. 61J36				

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

**RTA SIGNAGE IMPLEMENTATION
AND BIKE SHELTER
SECTION NUMBER 21-00179-00-BT
PROJECT NUMBER 46YI(988)
VILLAGE OF NORTHBROOK
COOK COUNTY
JOB NO. C-91-212-22**

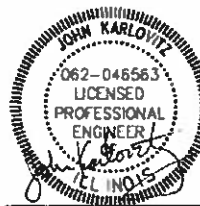


PROJECT LOCATION MAP
N.T.S.



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



JOHN KARLOVITZ, PE
IL LICENSED PROFESSIONAL
ENGINEER NO. 062-046563
EXPIRES: 11/30/2023



AGENCY RESPONSIBLE FOR LETTING	
APPROVED	11/21 2022
<i>Jack Bielak</i>	
VILLAGE ENGINEER - VILLAGE OF NORTHBROOK, ILLINOIS	
PASSED	12-29 2022
<i>Chris...</i>	
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS	
RELEASING FOR BID BASED ON LIMITED REVIEW	January 3 2023
<i>Jose...</i>	
REGIONAL ENGINEER	

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OF THE STATE OF ILLINOIS**

CONTRACT NO. 61J36

FEDERAL AID PROGRAM ENGINEER: CARMEN RAMOS, P.E., SCHAUMBURG, IL

INDEX OF SHEETS

DRAWING NO.	SHEET TITLE
01	COVER SHEET
02	INDEX OF DRAWINGS, GENERAL NOTES, HIGHWAY STANDARDS
03	SUMMARY OF QUANTITIES
04	SUMMARY OF QUANTITIES
05	TYPICAL SECTIONS
06	TYPICAL SECTIONS
07-17	PACE BUS STOP AND METRA SIGNAGE
18-19	SHARED LANE SIGNAGE
20	PROPOSED BIKE PARKING SHELTER
21	BIKE SHELTER DETAILS
22	CONCRETE PAD DETAILS
23	PROPOSED SIDEWALK REMOVAL AND REPLACEMENT AT PACE BUS STOP LOCATION

HIGHWAY STANDARDS

606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION-ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF NORTHBROOK.
- LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- SIDEWALK REMOVAL AND P.C.C SIDEWALK LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COORDINATE WITH THE NORTHEAST ILLINOIS REGIONAL COMMUTER CORP. RAILROAD (METRA) RAILROAD WHENEVER CONSTRUCTION ACTIVITY IS WITHIN 25 FEET OF THE RAILROAD ROW. THE CONTRACTOR SHALL RETAIN FLAGMEN EMPLOYED AND DESIGNATED BY THE METRA RAILROAD TO MONITOR ON-COMING TRAIN TRAFFIC, AND ADVISE CONTRACTOR PERSONNEL WHEN ACTIVITY ON OR NEAR THE RAILROAD RIGHT-OF-WAY MAY PROCEED. THIS ITEM WILL BE PAID FOR ACCORDING TO ARTICLE 107.12 AND WILL BE REIMBURSED ACCORDING TO ARTICLE 109.05.

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	PLOT DATE = 12/29/2022	DATE - 12/21/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF DRAWINGS, GENERAL NOTES, HIGHWAY STANDARDS

SCALE: *N/A* SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	02
CONTRACT NO. 61J36				
		ILLINOIS	FED. AID PROJECT	


SUMMARY OF QUANTITIES

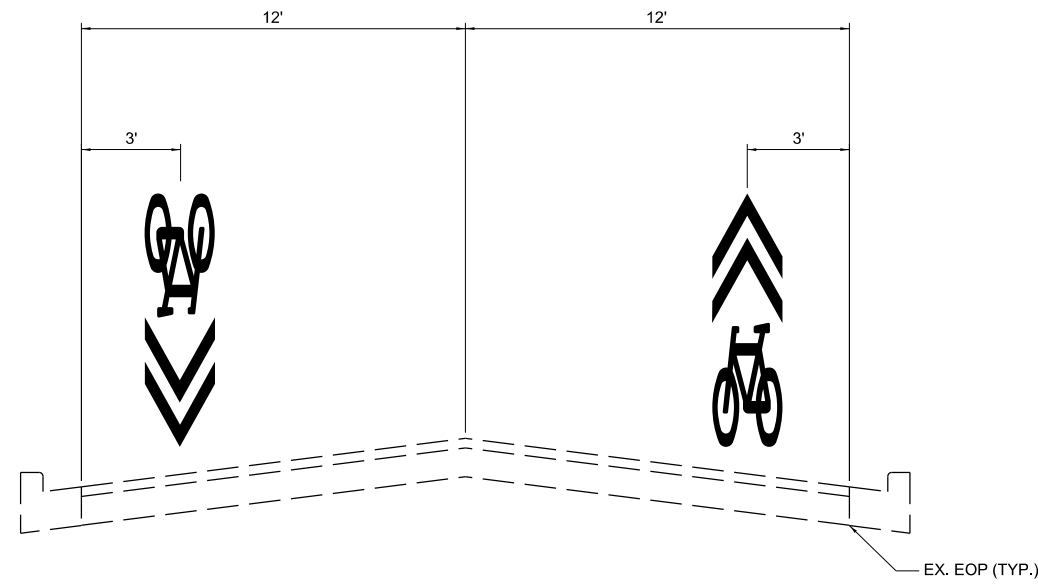
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	20101100	TREE TRUNK PROTECTION	EACH	1	1
△	20101200	TREE ROOT PRUNING	EACH	1	1
△	25200200	SUPPLEMENTAL WATERING	UNIT	1	1
	35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	66	66
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	664	664
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	44	44
	44000600	SIDEWALK REMOVAL	SQ FT	720	720
	60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	43	43
	67100100	MOBILIZATION	LS	1	1
△	72000100	SIGN PANEL - TYPE 1	SQ FT	64	64
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2
△	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1
△	72900100	METAL POST - TYPE A	FOOT	234	234
△	81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	25	25
△	87900200	DRILL EXISTING HANDHOLE	EACH	1	1
△	A2006519	TREE, ULMUS TRIUMPH MORTON GLOSSY (HYBRID ELM), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	1	1
* △	K0036120	MULCH PLACEMENT 4"	SQ YD	50	50

△ SPECIALTY ITEMS

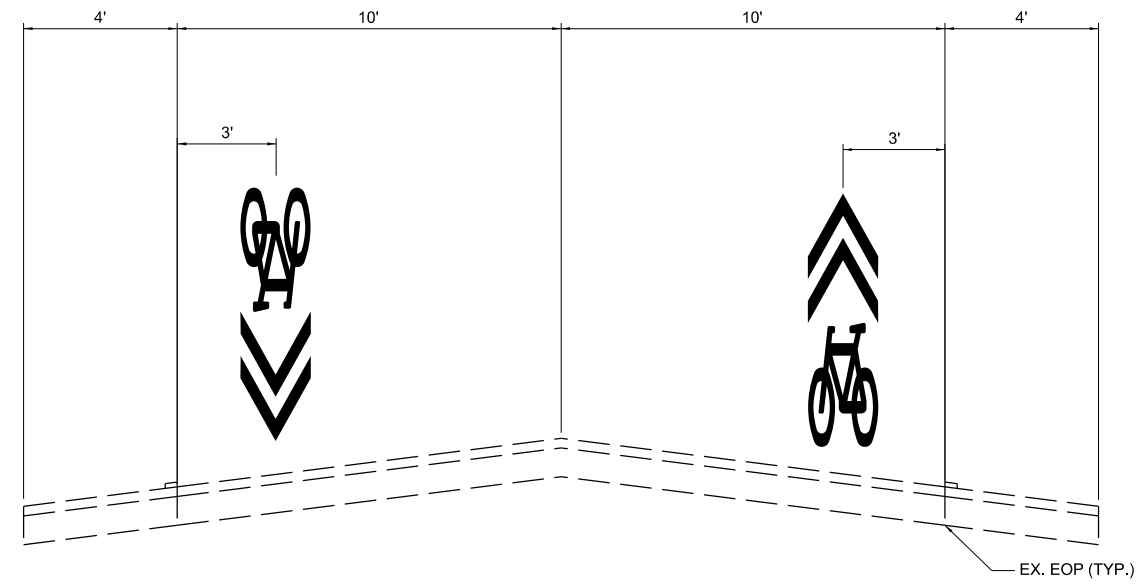
* SPECIAL PROVISION

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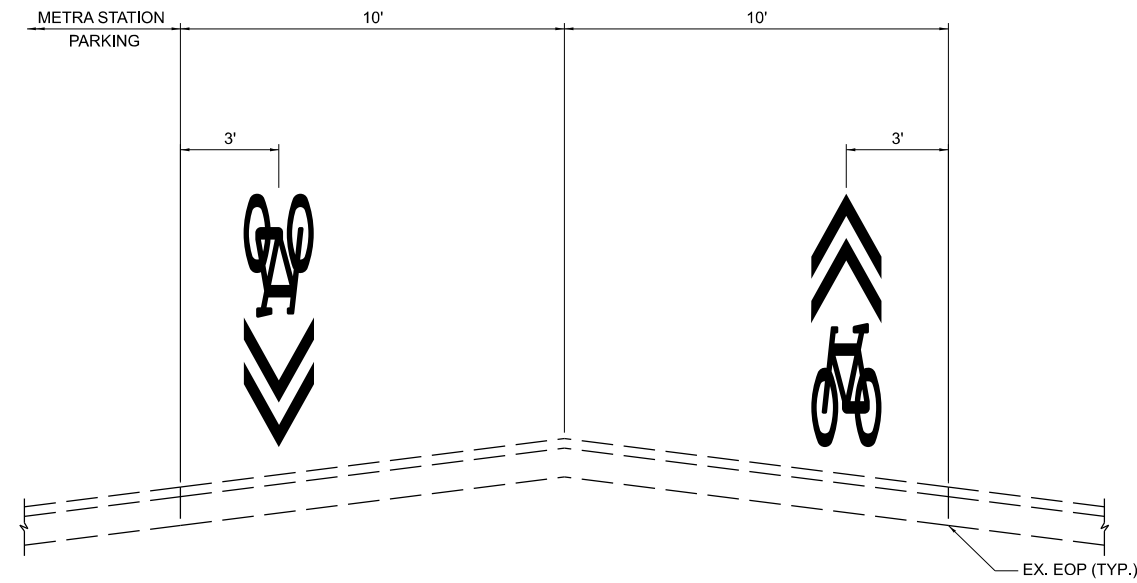
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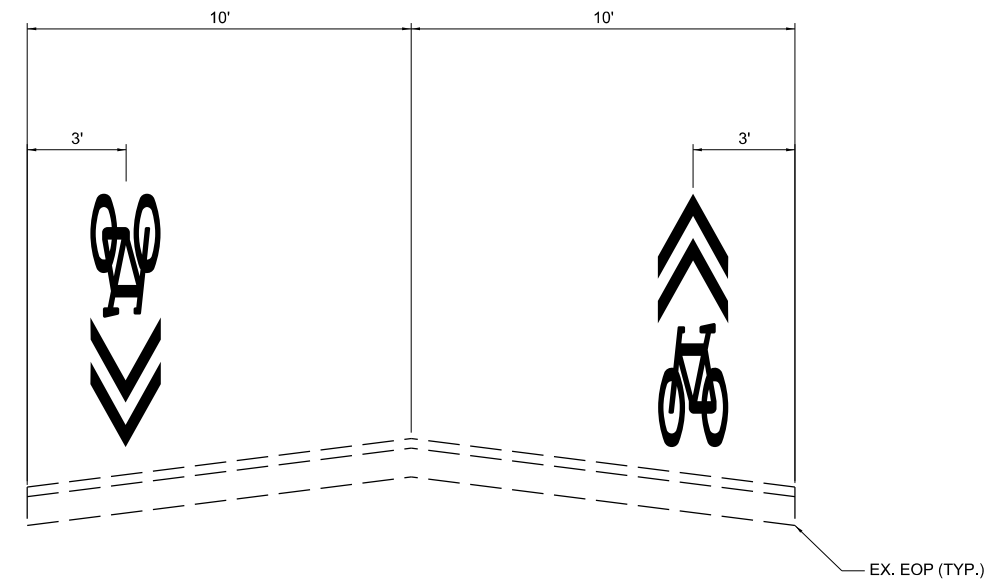
LEE RD - WILLOW LN TO WALTERS AVE



VOLTZ RD - WAUKEGAN RD TO SUNSET RIDGE RD
LEE RD - GRANT RD TO WILLOW LN
GRANT RD - LEE RD TO VOLTZ RD



LORENZ DR - ELM AVE TO WALTERS AVE



LORENZ DR - ELM AVE TO ILLINOIS RD

NOTES:

- SHARROWS SHALL BE PLACED 20' BEYOND RIGHT-OF-WAY AT EACH SIDE OF INTERSECTION AND SPACED APPROXIMATELY 220'-300' BETWEEN INTERSECTIONS.
- CONTRACTOR SHALL USE A STENCIL FOR PLACEMENT OF THE PROPOSED SHARROW PAVEMENT MARKINGS. THE STENCIL SHALL BE NEW AT THE BEGINNING OF THIS PROJECT AND SHALL BE DELIVERED TO THE VILLAGE UPON COMPLETION OF THE PROJECT.

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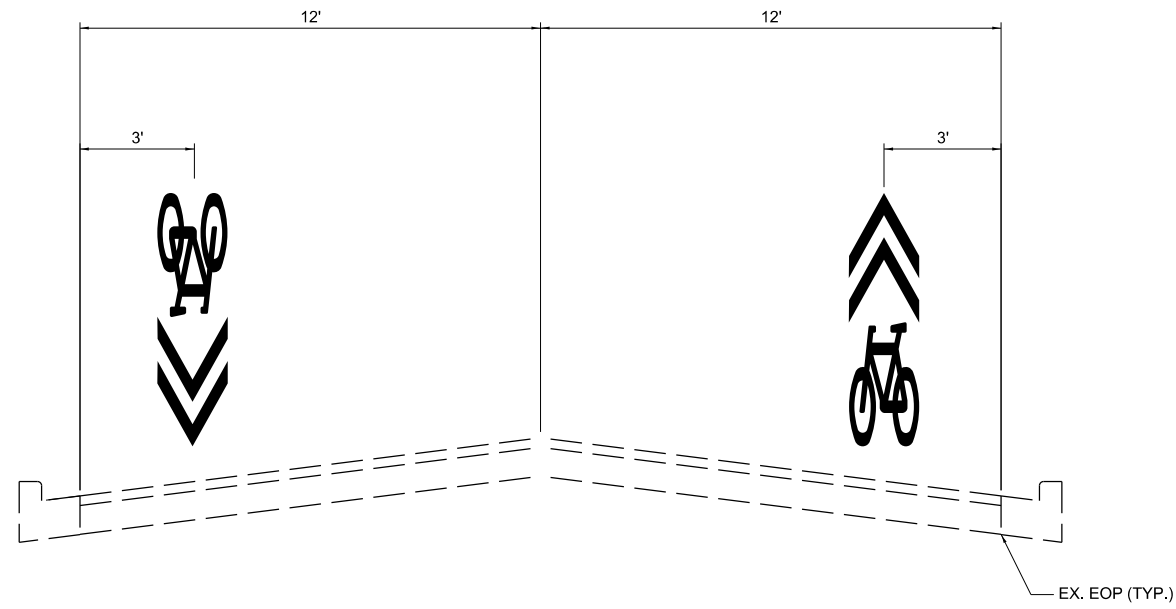
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

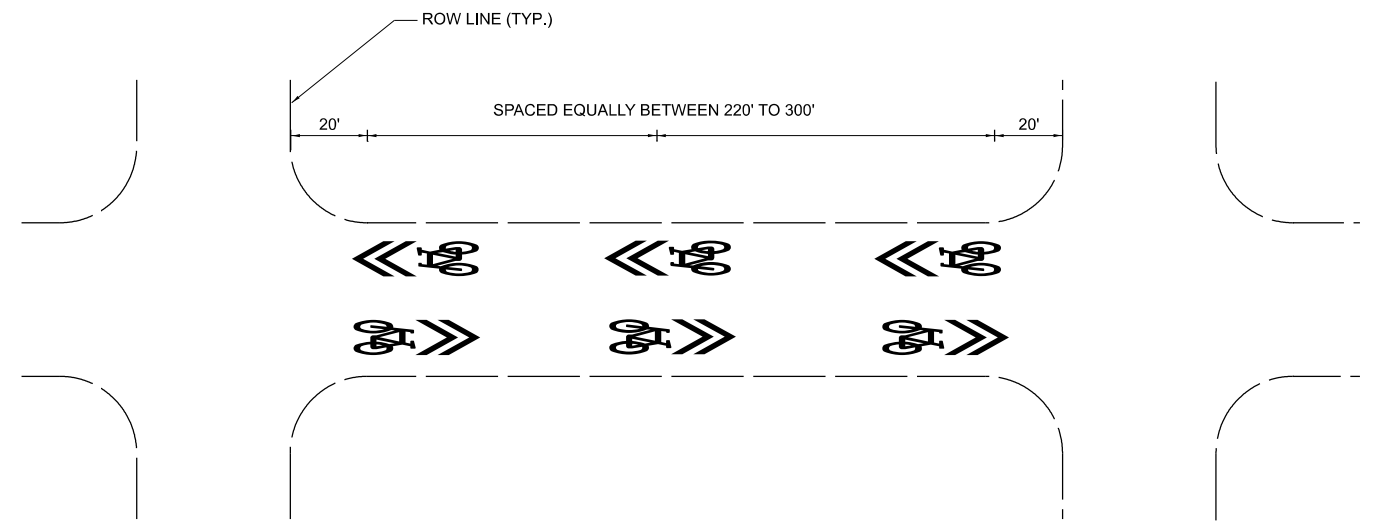
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SHEET 1 OF 2

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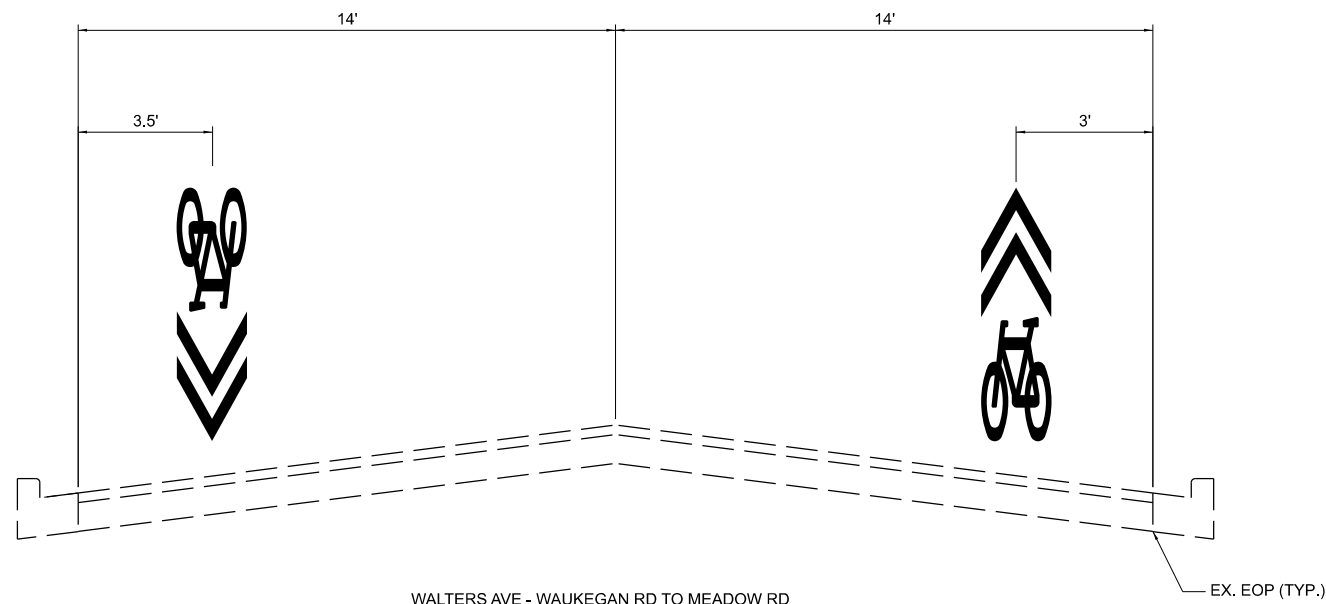
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	21-00179-00-BT	COOK	23	05
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



VOLTZ RD - SUZANN TERRACE TO DUNHILL CT
WALTERS AVE - LEE RD TO WAUKEGAN RD



TYPICAL SHARROW LOCATION AND SPACING



WALTERS AVE - WAUKEGAN RD TO MEADOW RD

NOTE:
SHARROWS SHALL BE PLACED 20' BEYOND ROW
AT EACH SIDE OF INTERSECTION AND SPACED
APPROXIMATELY 220'-300' BETWEEN INTERSECTIONS.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

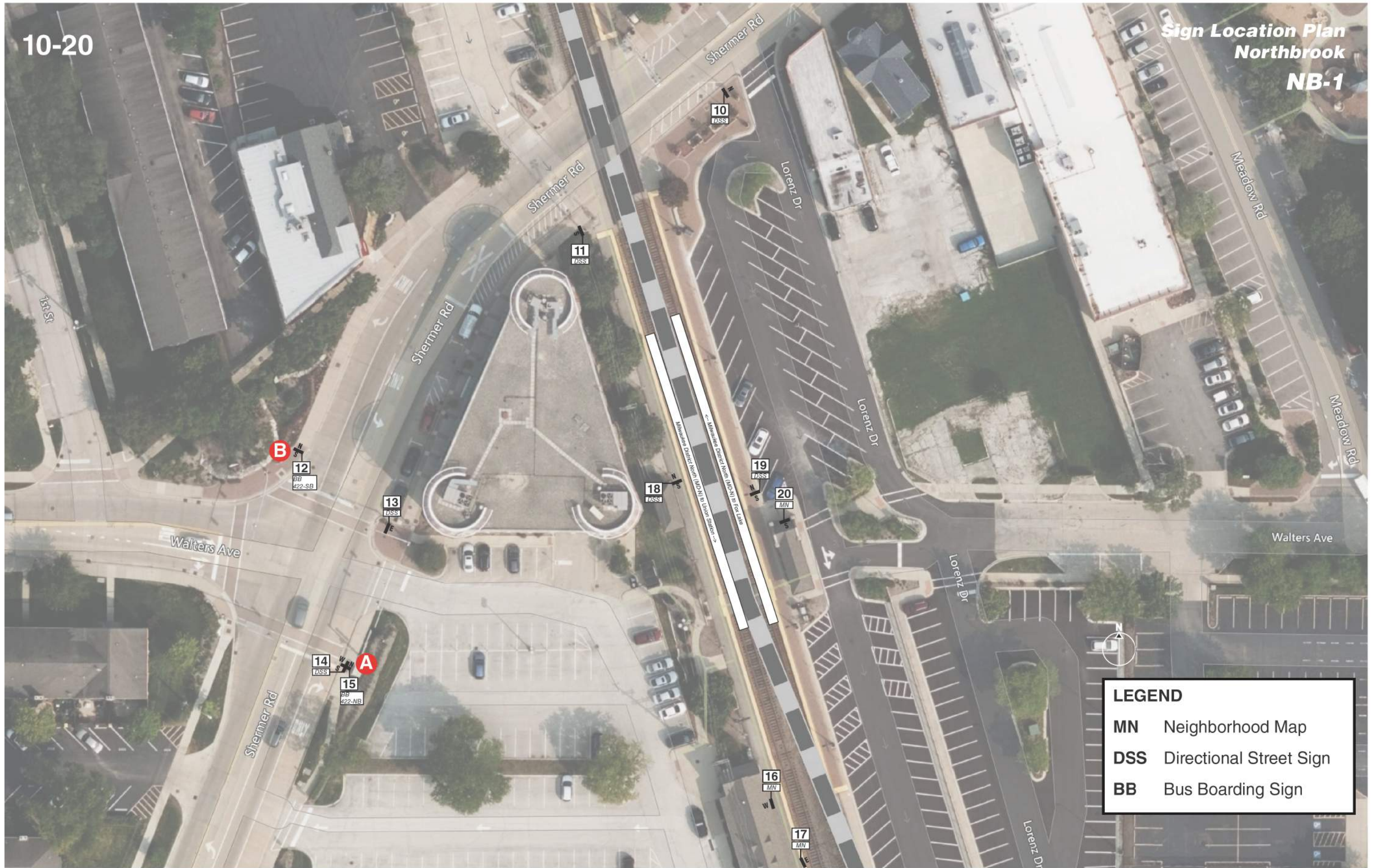
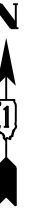
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	21-00179-00-BT	COOK	23	06
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				

10-20

Sign Location Plan
Northbrook
NB-1



LEGEND

- MN Neighborhood Map
- DSS Directional Street Sign
- BB Bus Boarding Sign

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DATE - 12/21/2022	REVISED -	

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DRAWN - JAW	REVISED -
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DATE - 12/21/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PACE BUS STOP AND METRA
LOCATION SIGN INSTALLATION**

SCALE: NTS SHEET _ OF _ SHEETS STA. _ TO STA. _

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	07
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



New sign panel mounted on existing light pole below height restriction sign.

Size: 12" x 18"

NB1-010-N



Graphics and sign sizes shown for reference only.



New sign panel mounted on existing light pole below height restriction sign.

Size: 12" x 18"

NB-011-S



Graphics and sign sizes shown for reference only.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PACE BUS STOP AND METRA
SIGN INSTALLATION DETAILS

SCALE: _____ SHEET _ OF _ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	08
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



New sign panels mount to new bus stop pole.

Size: 13" x 13.5" (BB-2)
Size: 18" x 24" (BS-1)

NB1-012-N



Routes: 422-SB

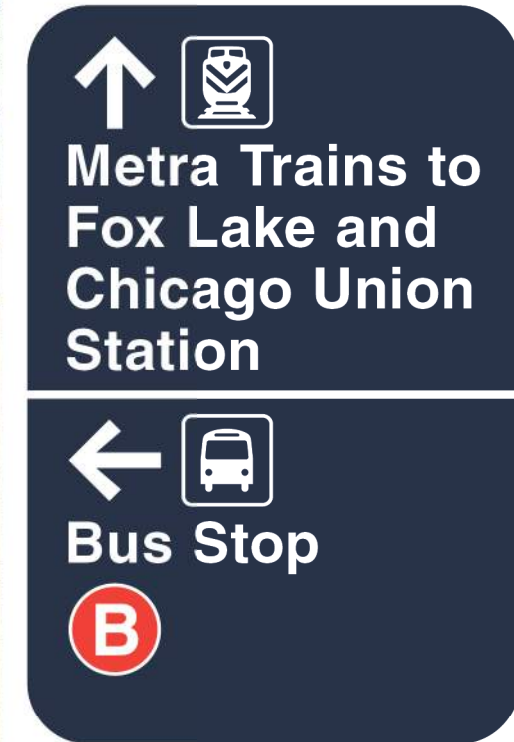
Graphics and sign sizes shown for reference only.



New sign panel mounts to top of existing light pole.

Size: 12" x 18"

NB1-013-E



Graphics and sign sizes shown for reference only.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PACE BUS STOP AND METRA
SIGN INSTALLATION DETAILS**

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	09
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



New sign panel mounts to existing bus stop pole.

Size: 12" x 18"

NB1-014-W



Graphics and sign sizes shown for reference only.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PACE BUS STOP AND METRA
SIGN INSTALLATION DETAILS**

SCALE: _____ SHEET _ OF _ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	10
CONTRACT NO. 61J36				
ILLINOIS			FED. AID PROJECT	



New sign panel mounts to top of existing sign post. Lower existing Pace bus stop sign as needed to accommodate new sign.

Size: 13" x 13.5" (BB-1 Rotated)
Size: 18" x 24" (BS-1)

NB1-015-N



Routes: 422-NB

Graphics and sign sizes shown for reference only.



New sign panel mounts to top of existing sign post. Lower existing Pace bus stop sign as needed to accommodate new sign.

Size: 13" x 13.5" (BB-2)
Size: 18" x 24" (BS-1)

NB1-015-S



Routes: 422-NB

Graphics and sign sizes shown for reference only.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PACE BUS STOP AND METRA
SIGN INSTALLATION DETAILS**

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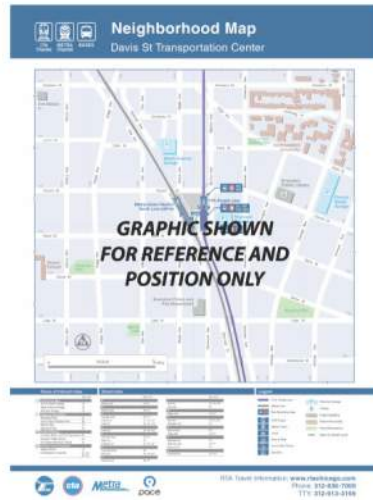
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	21-00179-00-BT	COOK	23	11
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



New support structure, graphics, and CWS-1 snap frame. Mounts to station wall.

Size: 32" x 44"

NB1-016-E



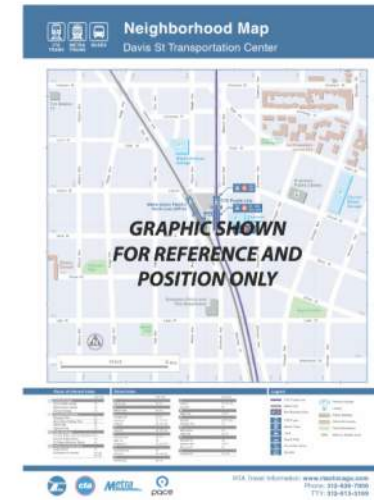
Graphics and sign sizes shown for reference only.



New support structure, graphics, and CWS-1 snap frame. Mounts to shelter wall.

Size: 32" x 44"

NB1-017-S



Graphics and sign sizes shown for reference only.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED PACE BUS STOP AND METRA
SIGN INSTALLATION DETAILS**

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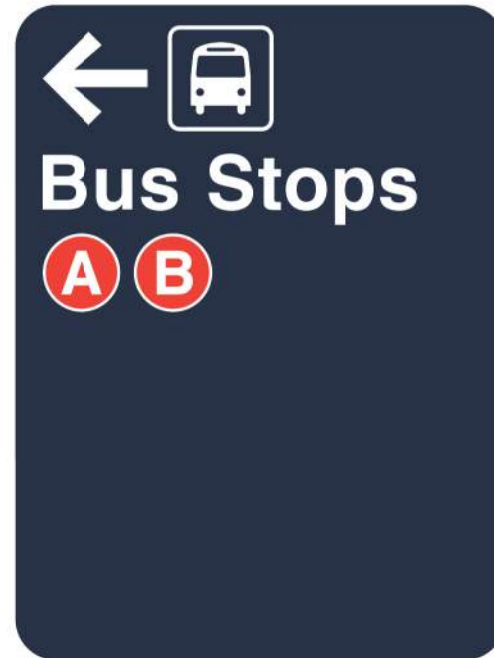
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	21-00179-00-BT	COOK	23	12
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



New flag mount mounted on existing light pole.

Size: 18" x 24"

NB1-018-S



Graphics and sign sizes shown for reference only.



New flag mount mounted on existing light pole.

Size: 18" x 24"

NB1-018-N



Graphics and sign sizes shown for reference only.

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PLOT DATE = 12/29/2022	DATE - 12/21/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

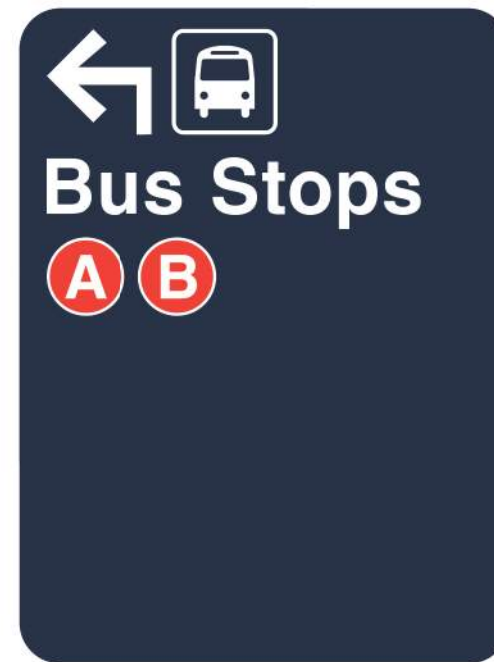
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	21-00179-00-BT	COOK	23	13
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



New flag mount mounted on existing light pole.

Size: 18" x 24"

NB1-019-N



Graphics and sign sizes shown for reference only.



New flag mount mounted on existing light pole.

Size: 18" x 24"

NB1-019-S



Graphics and sign sizes shown for reference only.

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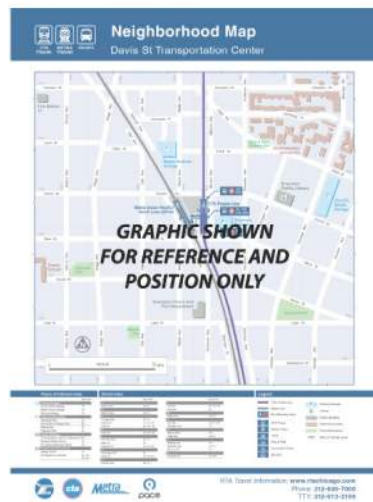
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PLOT DATE = 12/29/2022	DATE - 12/21/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PACE BUS STOP AND METRA
SIGN INSTALLATION DETAILS

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	14
CONTRACT NO. 61J36				
ILLINOIS			FED. AID PROJECT	



New support structure, graphics, and CWS-1 snap frame. Mounts to shelter wall. Remove and relocate existing sign.

Size: 32" x 44"

NB1-020-E

Graphics and sign sizes shown for reference only.

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	DATE - 12/21/2022	REVISED -

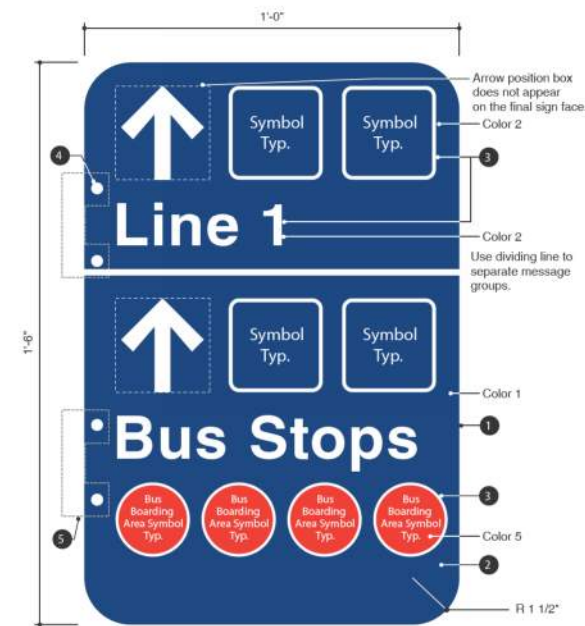
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: _____ SHEET _____ OF _____ SHEETS STA. _____ TO STA. _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	15
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				

DSS-1

RTA Interagency Signage Standards Manual
Section D3.5



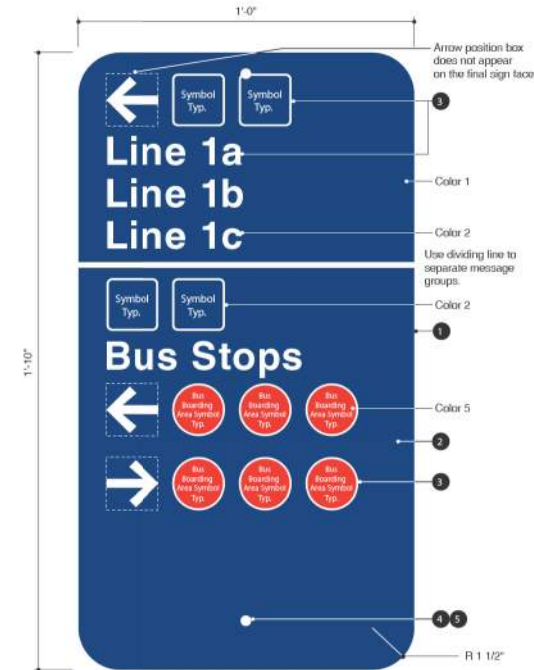
Quantity: 4

The sign substrate is a .080" thick solid aluminum panel.

Sign Post and Sign Mounting Information: For locations where DSS signs are mounted to new sign posts, see Part C, Section C4 for information on the sign posts and sign mounting brackets. For locations where DSS signs are mounted to existing posts, see Part C, Section C4 for information on sign mounting brackets for use with existing posts.

DSS-2

RTA Interagency Signage Standards Manual
Section D3.8



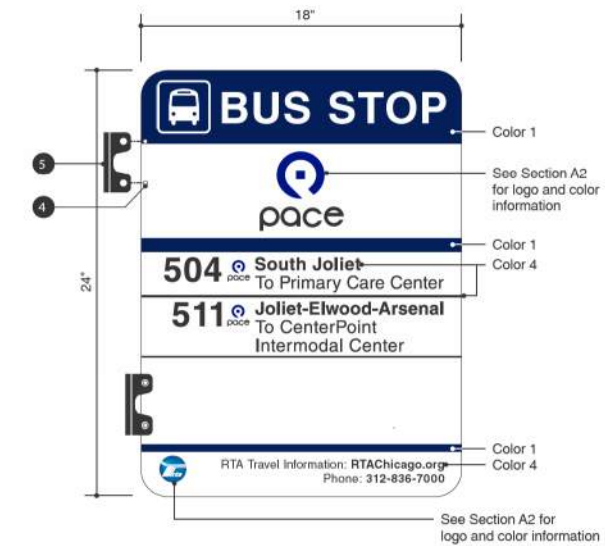
Quantity: 2

The sign substrate is a .080" thick solid aluminum panel.

Sign Post and Sign Mounting Information: For locations where DSS signs are mounted to new sign posts, see Part C, Section C4 for information on the sign posts and sign mounting brackets. For locations where DSS signs are mounted to existing posts, see Part C, Section C4 for information on sign mounting brackets for use with existing posts.

BS-1

RTA Interagency Signage Standards Manual
Section C2.6



Quantity: 3

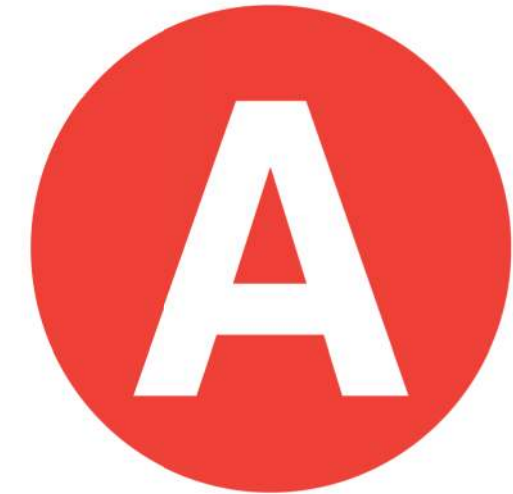
The sign substrate is a .080" thick solid aluminum panel with 1.5" radius corners.

Sign Post and Sign Mounting Information: For locations where BS series signs are mounted to new sign posts, see Section C4 for information on the posts and the sign mounting brackets and hardware.

For locations where BS series signs are mounted to existing sign posts or other existing structures, see Section C4 for information on the sign mounting brackets and hardware.

BB-1 Rotated

RTA Interagency Signage Standards Manual
Section C2.4



Quantity: 3

The sign substrate is a .080" thick solid aluminum panel with 1.5" radius corners.

Sign Post and Sign Mounting Information: Sign type BB-1 is typically used at locations using new sign posts. A version of sign type BB-1 that is rotated 90° is used when the sign is mounted to existing posts or structures. See Section C4 for information on the posts and the sign mounting brackets and hardware.

	USER NAME = jkarovitz	DESIGNED - JAW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 60,0000' / 1" =	CHECKED - JRK	REVISED -					21-00179-00-BT	COOK	23	16	
PLOT DATE = 12/29/2022	DATE - 12/21/2022	REVISED -			CONTRACT NO. 61J36				ILLINOIS	FED. AID PROJECT		

MN-6

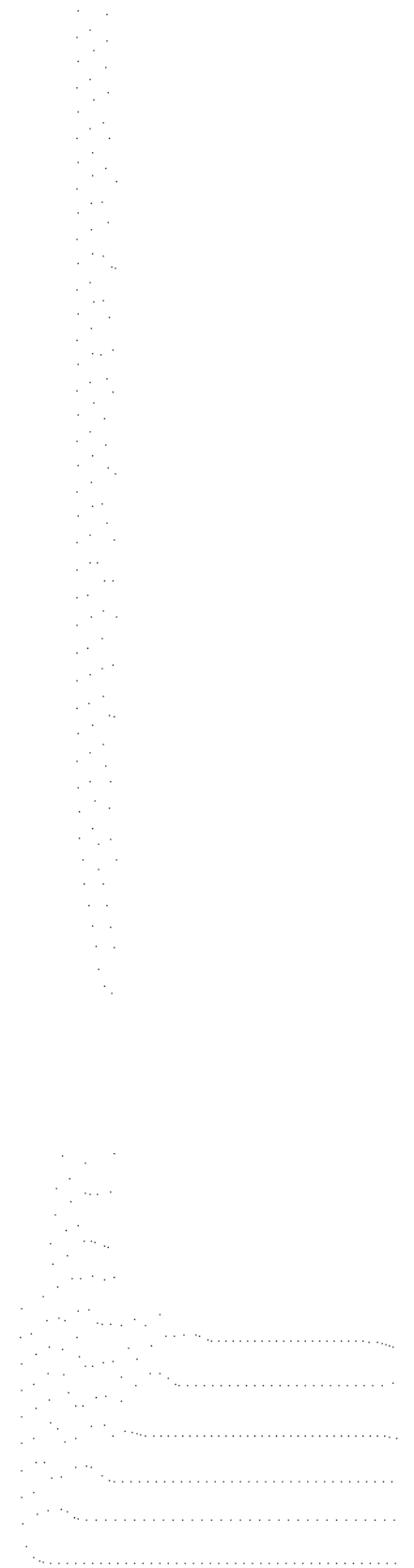
RTA Interagency Signage Standards Manual
Section D3.5



Quantity: 3

The sign substrate is a .080" thick solid aluminum panel.

Sign Post and Sign Mounting Information: For locations where DSS signs are mounted to new sign posts, see Part C, Section C4 for information on the sign posts and sign mounting brackets. For locations where DSS signs are mounted to existing posts, see Part C, Section C4 for information on sign mounting brackets for use with existing posts.



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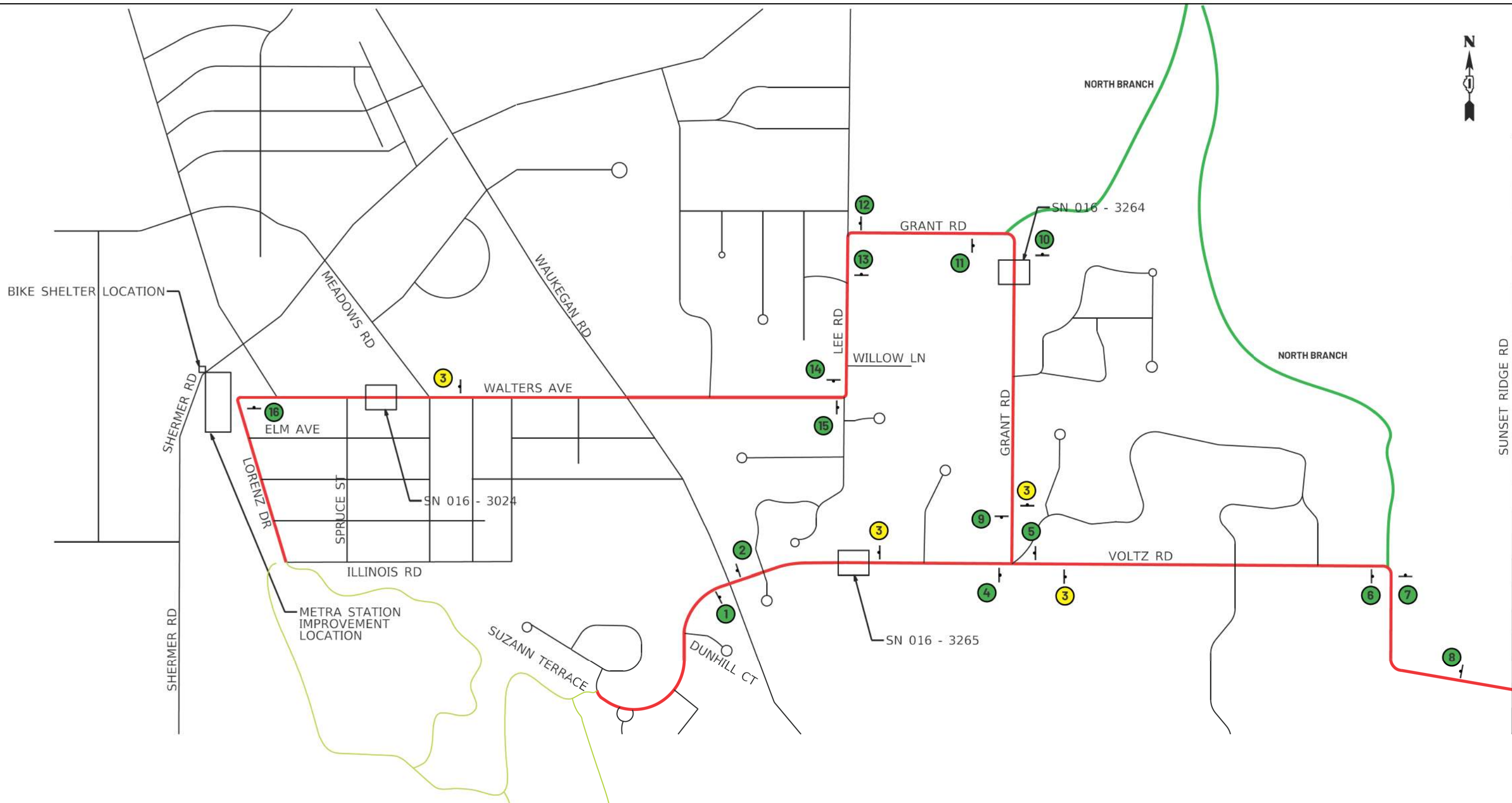


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PLOT DATE = 12/29/2022	DATE - 12/21/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: _____	SHEET _____ OF _____ SHEETS	STA. _____ TO STA. _____
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	17
CONTRACT NO. 61J36				
		ILLINOIS	FED. AID PROJECT	



LEGEND

- PROPOSED MARKED SHARED LANE
- EXISTING OFF STREET TRAIL

*PROPOSED PLACEMENT OF MARKED SHARED LANES INVOLVES NO CHANGES TO ROADWAY, STRUCTURE, OR STRUCTURE DECK WIDTH.

- NOTE:
1. SHARROWS SHALL BE PLACED 20' BEYOND RIGHT-OF-WAY AT EACH SIDE OF INTERSECTION AND SPACED APPROXIMATELY 220'-300' BETWEEN INTERSECTIONS.
 2. ALL PAVEMENT MARKINGS SHALL BE MODIFIED URETHANE UNLESS NOTED OTHERWISE.

12/29/2022 11:48:26 AM P:\projects\22000022180\IC_DESIGN\01_Design\18-RTA Bike Path Overall Plan.dgn



USER NAME = jkaroltz	DESIGNED - JAW	REVISED -
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PLOT SCALE = 1000,0000' / in.	CHECKED - JRK	REVISED -
PLOT DATE = 12/29/2022	DATE - 12/21/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

OVERALL SHEET PLAN SIGNING AND PAVEMENT MARKING	
SCALE: NTS	SHEET _ OF _ SHEETS STA. ____ TO STA. ____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	18
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				

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- 1

North Branch 2
 Metra 3

D1-2C Special 1
 BICYCLE WAYFINDING
 36" x 12"
 Quantity: 1
- 2

Techny Park 1

D1-1C Special 1
 BICYCLE WAYFINDING
 36" x 6"
 Quantity: 1
- 3

W11-1
 WARNING SIGN
 BICYCLE SYMBOL
 24" x 24"
 Quantity: 4

 W16-1P Special
 WARNING SIGN
 SHARE THE ROAD
 18" x 12"
 Quantity: 4
- 4

North Branch 1
 Metra 2

D1-2C Special 1
 BICYCLE WAYFINDING
 36" x 12"
 Quantity: 1
- 5

Techny Park 1
 Metra 2 →

D1-2C Special 1
 BICYCLE WAYFINDING
 36" x 12"
 Quantity: 1
- 6

North Branch

D1-1C Special 1
 BICYCLE WAYFINDING
 36" x 6"
 Quantity: 1
- 7

North Branch
 Techny Park 2
 Metra 3

D1-3B Special 1
 BICYCLE WAYFINDING
 36" x 18"
 Quantity: 1

- 8

North Branch
 Techny Park 2
 Metra 3

D1-3B Special 1
 BICYCLE WAYFINDING
 36" x 18"
 Quantity: 1
- 9

← North Branch 1
 Techny Park 1 →

D1-2C Special 1
 BICYCLE WAYFINDING
 36" x 12"
 Quantity: 1
- 10

North Branch ↗
 ← Metra 2

D1-2C Special 1
 BICYCLE WAYFINDING
 36" x 12"
 Quantity: 1
- 11

↗ North Branch
 Techny Park 2 →

D1-2C Special 1
 BICYCLE WAYFINDING
 36" x 12"
 Quantity: 1
- 12

← Metra 1

D1-1C Special 1
 BICYCLE WAYFINDING
 36" x 6"
 Quantity: 1
- 13

North Branch →
 Techny Park 2 →

D1-2C Special 1
 BICYCLE WAYFINDING
 36" x 12"
 Quantity: 1
- 14

Metra 1 →

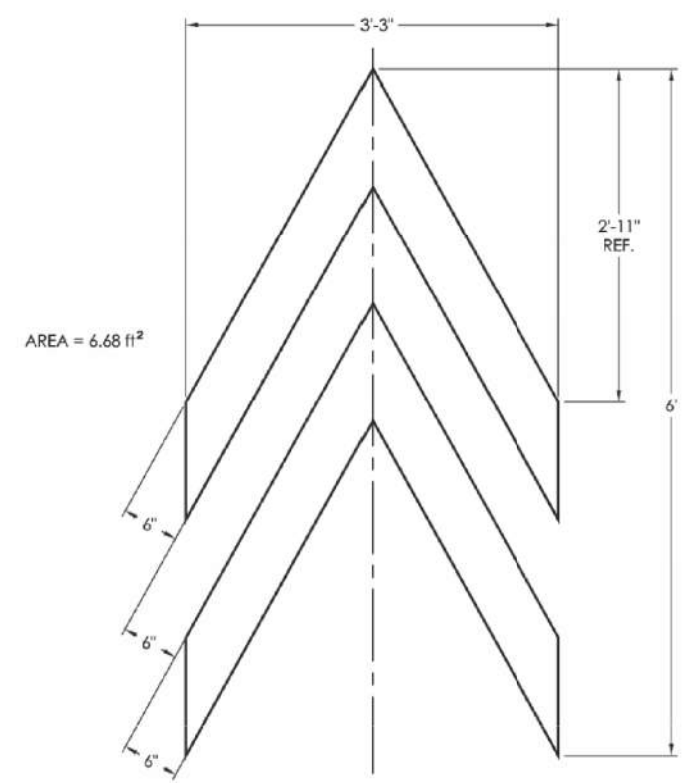
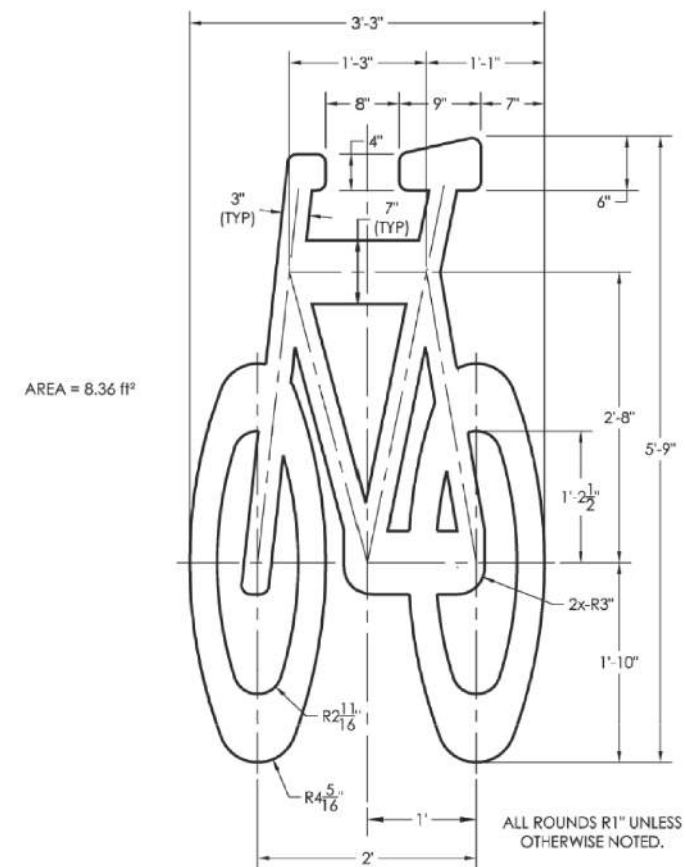
D1-1C Special 1
 BICYCLE WAYFINDING
 36" x 6"
 Quantity: 1
- 15

← North Branch 1
 ← Techny Park 2

D1-2C Special 1
 BICYCLE WAYFINDING
 36" x 12"
 Quantity: 1
- 16

North Branch 3 →
 Techny Park 3 →

D1-2C Special 1
 BICYCLE WAYFINDING
 36" x 12"
 Quantity: 1



USER NAME = jkarvltz	DESIGNED - JAW	REVISED -	
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PLOT SCALE = 1000.0000' / in.	CHECKED - JRK	REVISED -	
PLOT DATE = 12/29/2022	DATE - 12/21/2022	REVISED -	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SIGNING DETAILS

SCALE: NTS SHEET _ OF _ SHEETS STA. ____ TO STA. ____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	19
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				

--- COMBINATION CURB AND GUTTER REMOVAL

BRICK PAVER REMOVAL

SIDEWALK REMOVAL

PAVEMENT REMOVAL

--- TEMPORARY CONSTRUCTION FENCE

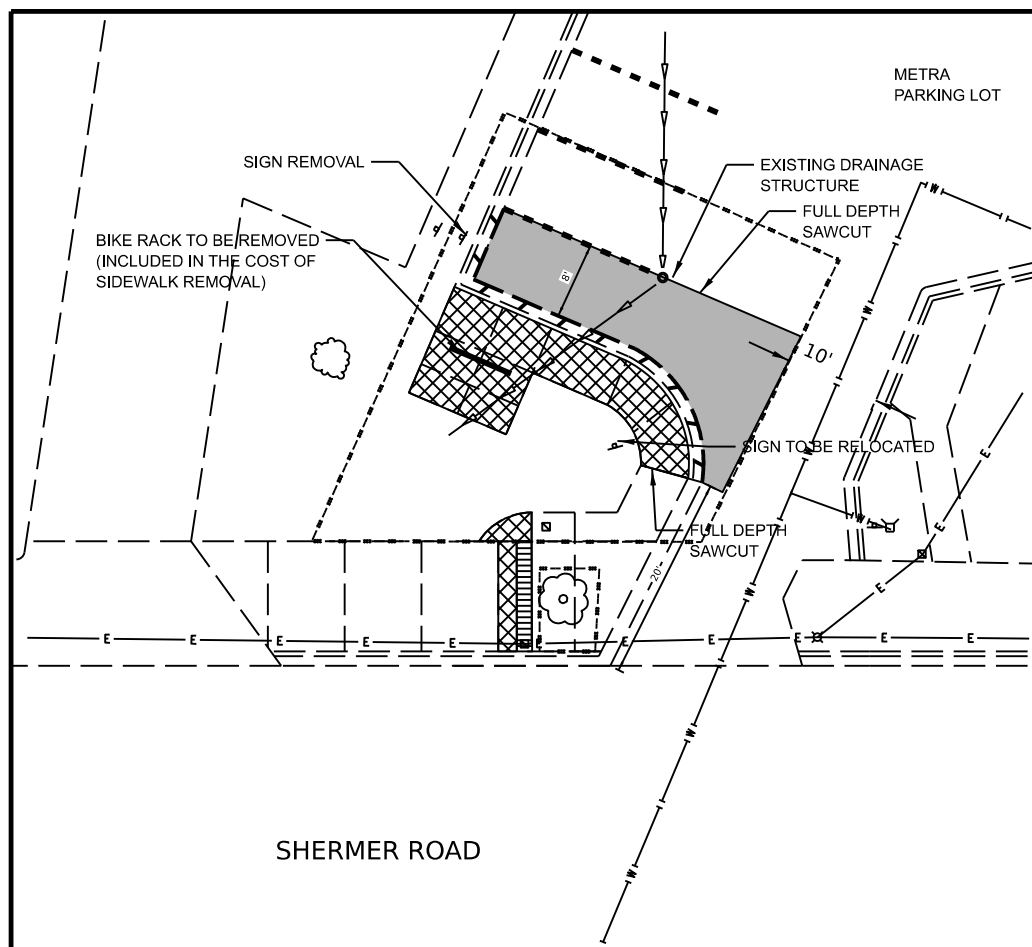
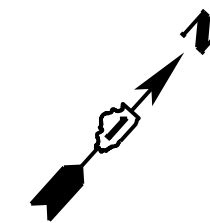
PROPOSED DEPRESSED CURB

PROPOSED 6" CONCRETE PAD
AGGREGATE BASE COURSE, TYPE B, 4"

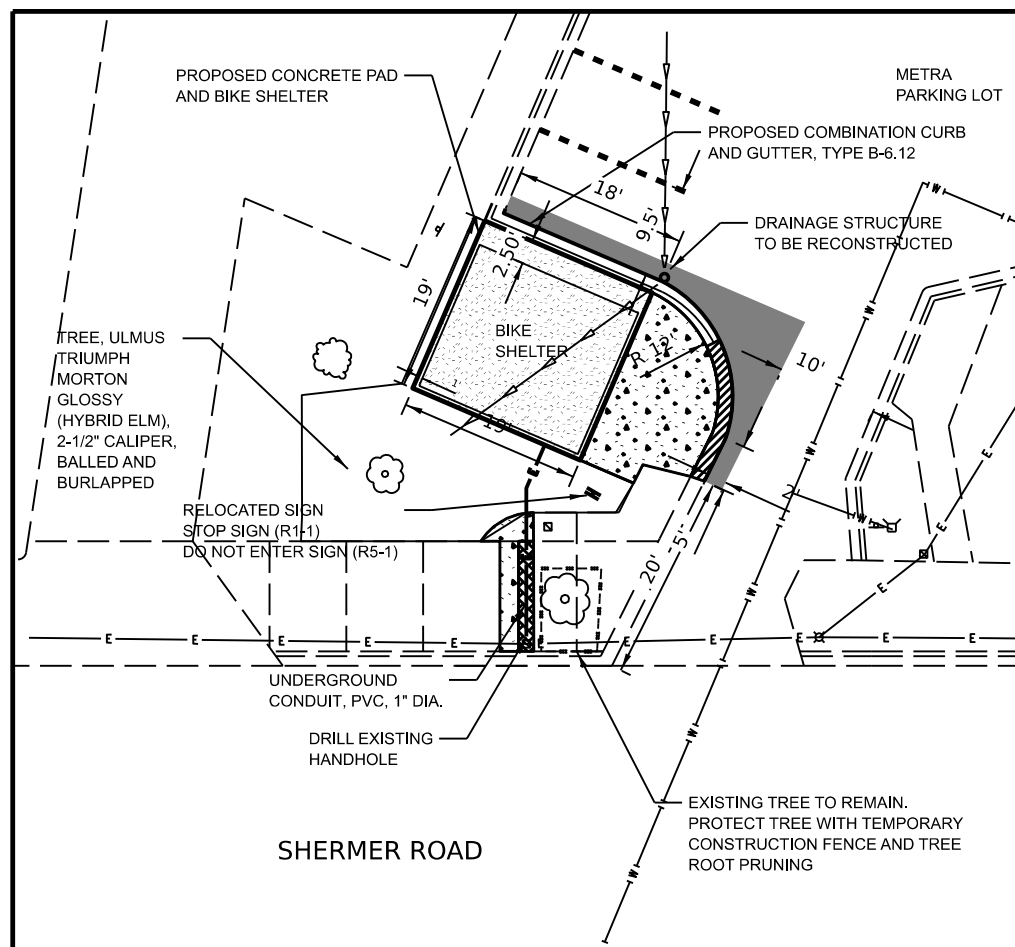
PROPOSED PCC SIDEWALK 5 INCH
AGGREGATE BASE COURSE, TYPE B, 4"

① PAVEMENT PATCHING (SPECIAL)
HMA SURFACE COURSE, MIX "D", IL-9.5L, MIX D, N50, 1.5"
HMA BINDER COURSE, IL-9.5L, N50, 2.0"
AGGREGATE BASE COURSE, TYPE B, 10"

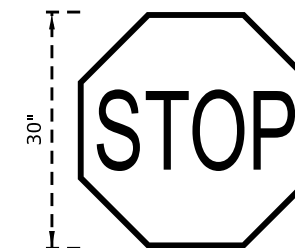
PROPOSED BRICK PAVER INSTALLATION



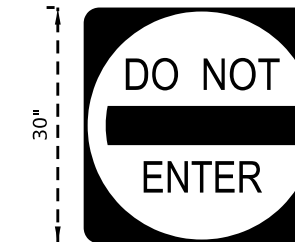
REMOVAL PLANS



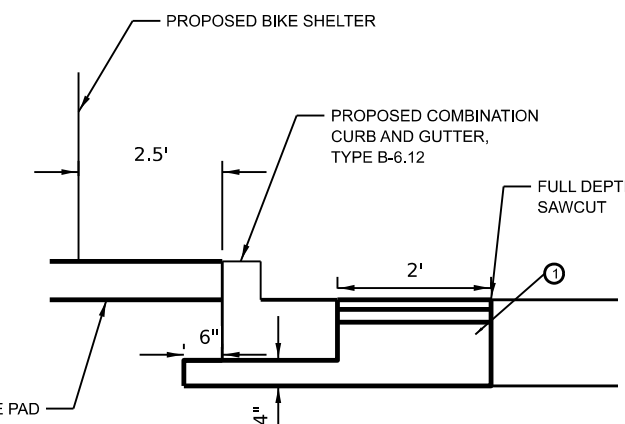
PROPOSED PLANS



STOP SIGN (R1-1)



DO NOT ENTER SIGN (R5-1)



PROPOSED CURB/PAVEMENT

NOTES:

- CONTRACTOR TO INSTALL A 4"X4"X2-1/8" JUNCTION BOX MEETING THE REQUIREMENTS OF NEMA 3R WITHIN THE LIMITS OF THE BIKE SHELTER. FINAL LOCATION OF JUNCTION BOX SHALL BE IN A LOCATION DETERMINED BY THE VILLAGE.
- CONTRACTOR SHALL SALVAGE SIDEWALK PAVERS IN THE RIGHT-OF-WAY OF SHERMER ROAD AND REPLACE AT THE DIRECTION OF THE VILLAGE. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF SIDEWALK REMOVAL.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QMP
MIXTURE TYPE	AIR VOIDS @ Ndesign	
PAVEMENT PATCHING (SPECIAL)		
HOT-MIX ASPHALT SURFACE COURSE, IL 9.5, MIX "D", N50; 1.5"	4% @ 50 GYR.	LR 1030-2
HOT-MIX ASPHALT BINDER COURSE, IL 9.5, N50; 2.0"	4% @ 50 GYR.	LR 1030-2

QMP DESIGNATION IS QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS.

1/10/2023 8:16:05 AM P:\Projects\22000022180C_DESIGN\01_Design\01_RTA Signage Plan\CADD\Sheets\01_RTA Bike Shelter Proposed and Removal.dgn



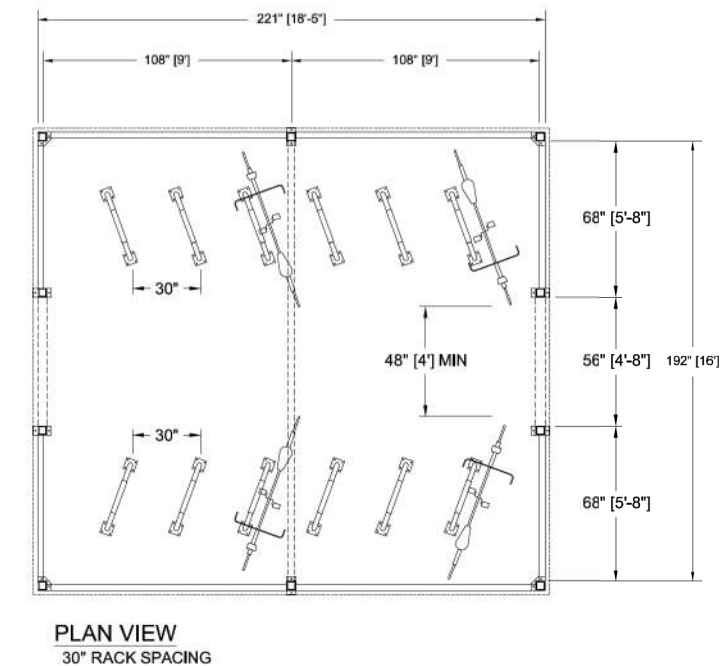
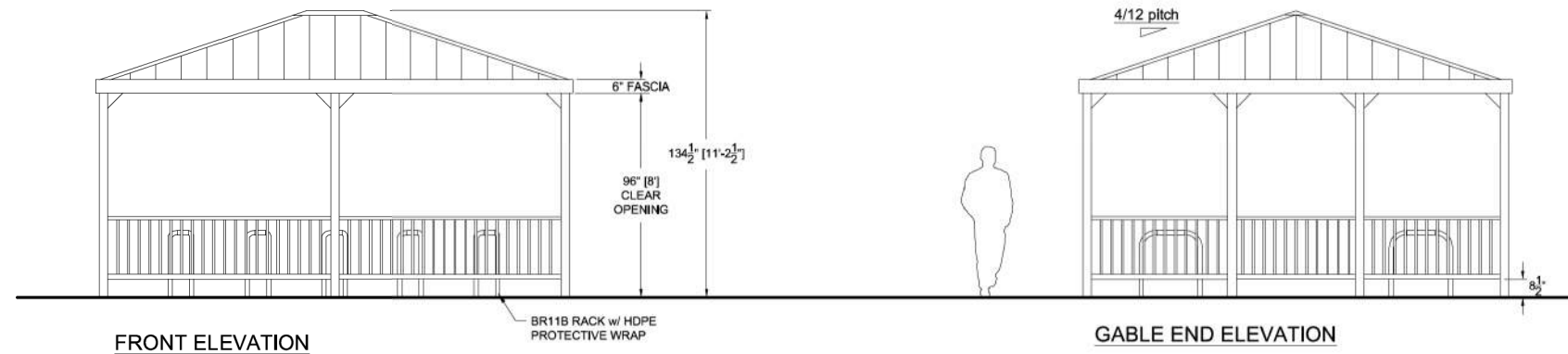
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PLOT DATE = 1/10/2023	CHECKED - JRK	REVISED -
	DATE - 12/21/2022	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED BIKE PARKING SHELTER LOCATION

SCALE: 1" = 10' SHEET ___ OF ___ SHEETS STA. ___ TO STA. ___

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	20
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



NOTES:

- FINISH IS TO BE DETERMINED (POWDERCOAT OR ANODIZED TYP).
- ROOF IS STANDING SEAM HIP W/ 6" FASCIA
- GAINSVILLE RAILING
- ANCHOR BOLT KIT
- INVERTED "U" STYLE RACK SHOWN WITH 30" SPACING
- SEE QUOTE FOR OPTIONS

-DESIGN IS PRELIMINARY, AND INTENDED TO COMPLY WITH SPECIFICATIONS IN ALL ASPECTS, AND PENDING CUSTOMER APPROVAL. ANY DEVIATION FROM SPECIFICATIONS IS UNINTENTIONAL AND MAY BE DISREGARDED; PLEASE CONSULT THE FACTORY.
-ALL DIMENSIONS TO BE FIELD VERIFIED

BIKE CAPACITY		
RACK SPACING	# OF RACKS	# OF BIKES
30"	10	20
30"	12	24



THIS DRAWING IS PROPRIETARY AND FOR THE SOLE USE OF OUR CUSTOMER AND MAY NOT BE COPIED OR REPRODUCED WITHOUT PRIOR WRITTEN CONSENT FROM DUO-GARD INDUSTRIES, INC.
LEAD TIME BEGINS UPON RECEIPT OF SIGNED SHOP DRAWINGS

APPROVAL SIGNATURE _____ DATE _____
X _____

PROJECT NAME

CUSTOMER SAMPLE

DESCRIPTION

16' X 18' "SENTINEL" BICYCLE SHELTER, PLAN AND ELEVATION DETAILS

PRJT ENG	PRJT MGR	DRFTR	DWG DATE	REV1	REV2	SCALE	PAGE	OF	DRWNG #
BDI	SM	GS	9.1.2016			1/8" = 1'-0"	1	1	1618STNL

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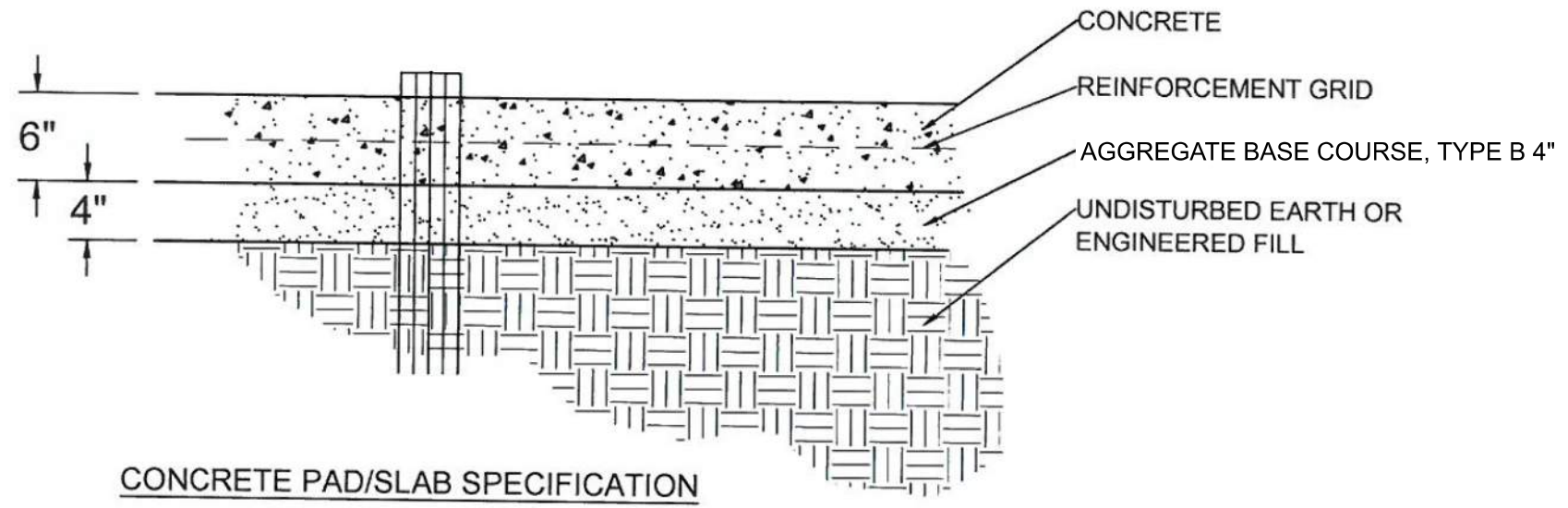
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PLOT DATE = 12/29/2022	CHECKED - JRK	REVISED -
	DATE - 12/21/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BIKE SHELTER

SCALE: NTS SHEET _ OF _ SHEETS STA. _ TO STA. _

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	21
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



CONCRETE PAD/SLAB SPECIFICATION

NOTES:

1. MAKE SURE THE SHELTER DRAWING YOU ARE USING TO DETERMINE CONCRETE DESIGN IS THE ENGINEERED PLAN FOR YOUR EXACT PROJECT/PRODUCT. TYPICAL PAD SIZE IS MIN. 12" LARGER THAN THE BUILDING FOOTPRINT.
2. TYPICAL SLOPE IS 2% FRONT-TO-BACK, OR CROWNED.
3. USE 1/2" EXPANSION MATERIAL BETWEEN ANY ADJACENT CONCRETE OR MASONRY SURFACES OR STRUCTURES.
4. SEAL THE CONCRETE PRIOR TO SHELTER INSTALLATION.
5. IF EMBEDDING ANY ALUMINUM STRUCTURAL COMPONENTS, CONCRETE MIX SHALL NOT HAVE ANY CALCIUM CHLORIDES.

12/29/2022 11:46:34 AM P:\Projects\22000\22186\CONCRETE DESIGN\01_Design\01_Design\01 - RTA Storage Plan\CADD\Sheets\22_22186_Concrete Pad_02.dgn



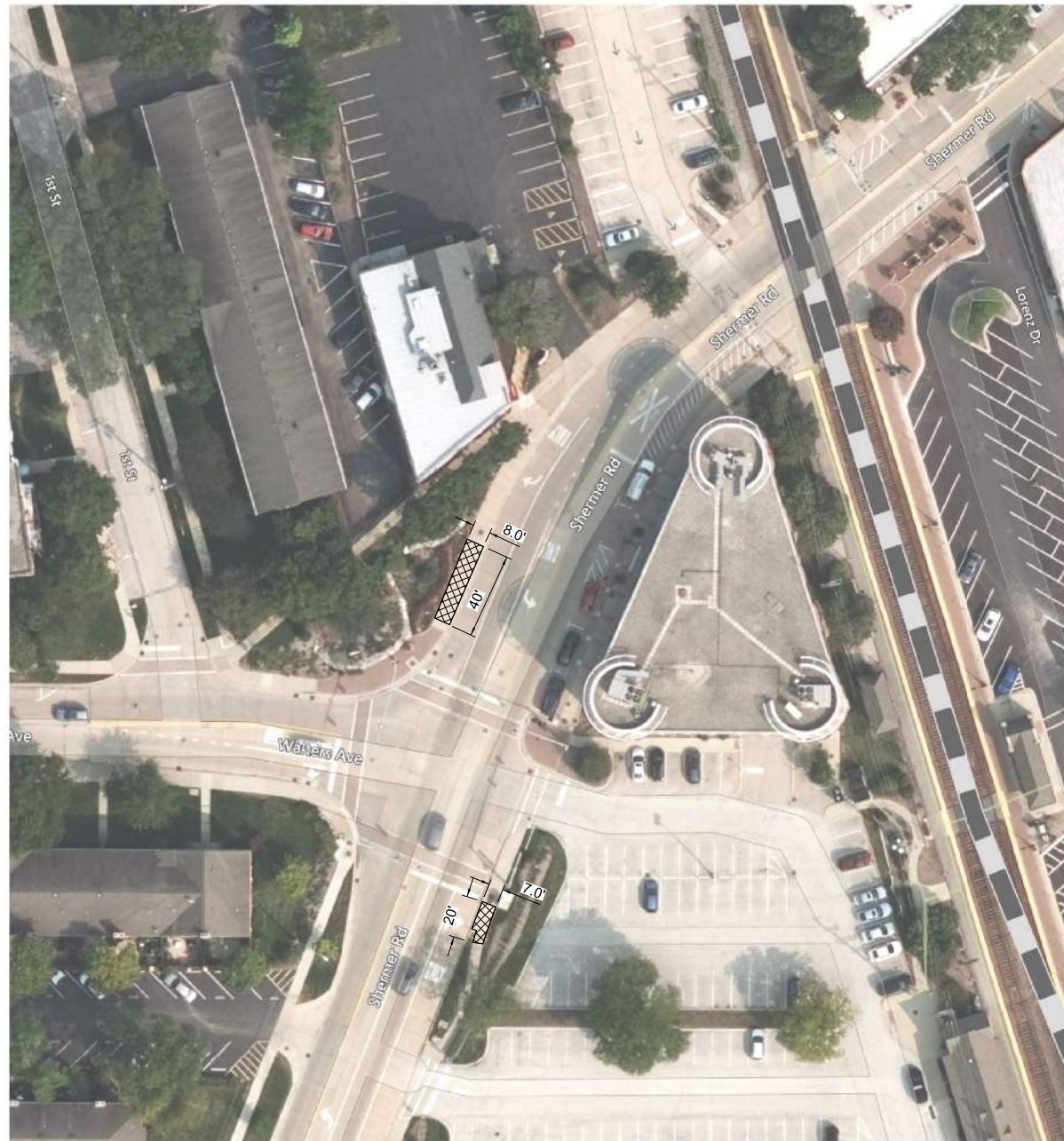
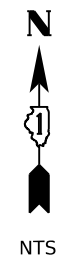
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PLOT SCALE = 2,0000' / 1 in.	CHECKED - JRK	REVISED -
PLOT DATE = 12/29/2022	DATE - 12/21/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BIKE SHELTER
CONCRETE PAD DETAIL**

SCALE: NTS SHEET _ OF _ SHEETS STA. ____ TO STA. ____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	22
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				



REMOVAL PLANS



PROPOSED PLANS

LEGEND

 PROPOSED PCC SIDEWALK 5 INCH AGGREGATE BASE COURSE, TYPE B, 4"

 SIDEWALK REMOVAL

NOTES:

1. CONTRACTOR SHALL REMOVE AND REPLACE SIDEWALK AS DIRECTED BY THE ENGINEER.
2. THE NEW SIDEWALK SHALL BE CONSTRUCTED TO MEET THE REQUIREMENTS OF THE ILLINOIS ACCESSIBILITY CODE FOR BUS BOARDING AND ALIGHTING AREAS.
3. SIDEWALK AT BUS BOARDING AND ALIGHTING AREA SHALL HAVE A MAXIMUM CROSS SLOPE OF 2.0% WHEN COMPLETE.
4. FULL DEPTH, PERPENDICULAR, STRAIGHT JOINT SHALL BE SAWN AT THE ENDS AND ALL EDGES OF PORTIONS TO BE REMOVED.

12/29/2022 11:46:36 AM P:\projects\220000\22180\DC_DESIGN\01_DWG\p1ne_Clar101 - RTA Signage Plan\CADD\Sheets\23_RTA METRA_PACE_Sidewalk R and R.dgn



USER NAME = jkarovitz	DESIGNED - JAW	REVISED -
DRAWN - JAW	REVISED -	
PLOT SCALE = 60,000' / 1"	CHECKED - JRK	REVISED -
PLOT DATE = 12/29/2022	DATE - 12/21/2022	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED SIDEWALK REMOVAL AND REPLACEMENT AT
PACE BUS STOP LOCATION**

SCALE: NTS SHEET _ OF _ SHEETS STA. ___ TO STA. ___

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	21-00179-00-BT	COOK	23	23
CONTRACT NO. 61J36				
ILLINOIS FED. AID PROJECT				