

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

OR RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	OR 2626 22 RESURFACE	COOK	33	1
ILLINOIS CONTRACT NO. 62R70				

\* 29 + 2 = 31 TOTAL SHEETS  
\* 31 + 2 = 33 TOTAL SHEETS

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT IS LOCATED IN THE VILLAGES OF BUFFALO GROVE, ARLINGTON HEIGHTS

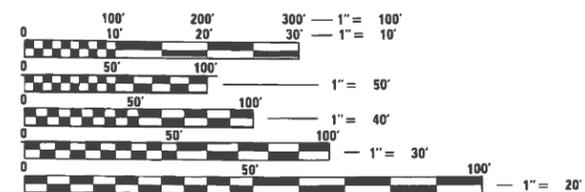
TRAFFIC DATA:

2018 ADT- 5350 VPD  
SPEED LIMIT- 40 MPH

**PROPOSED  
HIGHWAY PLANS**

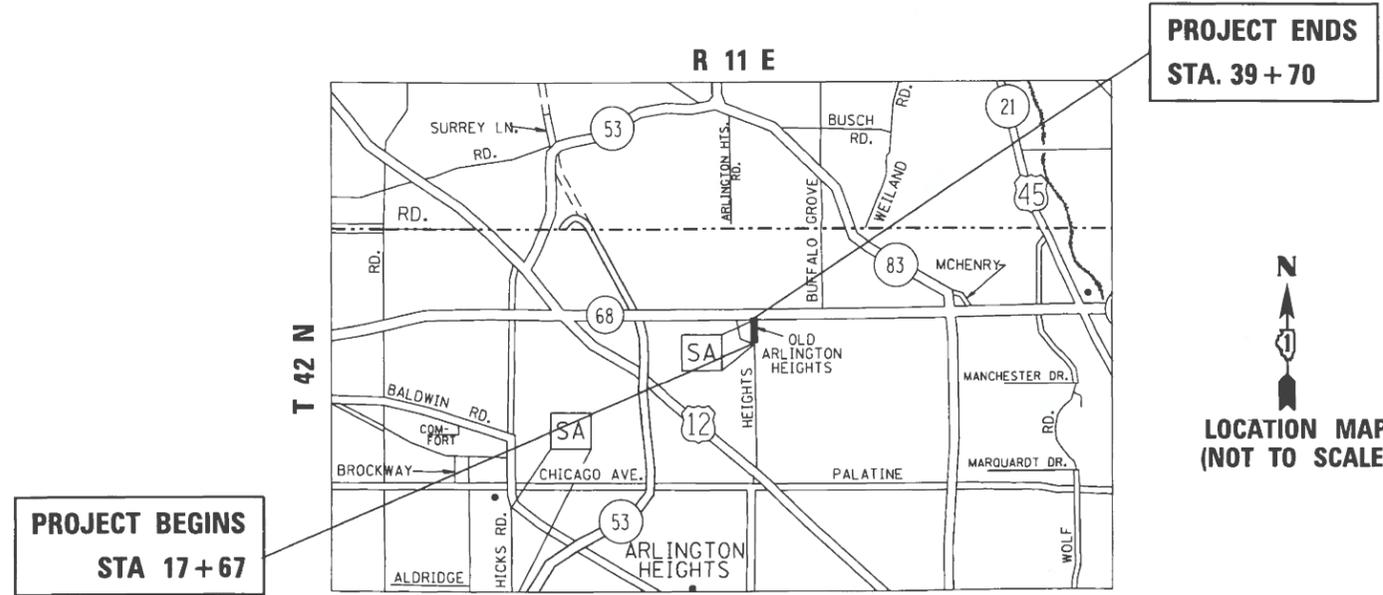
OR 2626: OLD ARLINGTON HEIGHTS ROAD  
ARLINGTON HEIGHTS ROAD TO ILL 68 (DUNDEE ROAD)  
SECTION: OR 2626 22 RESURFACE  
PROJECT No: STP-8W20(416)  
STANDARD OVERLAY, ADA IMPROVEMENTS  
COOK COUNTY

C-91-220-22



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.I.E.  
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS  
1-800-892-0123  
OR 811



PROJECT BEGINS  
STA 17 + 67

PROJECT ENDS  
STA. 39 + 70



PROJECT ENGINEER: VESELIN VELICHKOV (847) 705-4432  
PROJECT MANAGER: FAWAD AQUEEL

GROSS AND NET LENGTH = 2,203 FT. = 0.417 MILE

CONTRACT NO. 62R70

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 14 20 22  
Joe Rio TCR  
REGIONAL ENGINEER

February 3, 2023  
[Signature]  
ENGINEER OF DESIGN AND ENVIRONMENT

February 3, 2023  
[Signature]  
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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**STATE STANDARDS**

000001-08	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424031-02	MEDIAN PEDESTRIAN CROSSING
442101-09	CLASS B PATCHES
442201-03	CLASS C & D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
604001-05	FRAME AND LIDS, TYPE 1
606001-08	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-04	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24 (B-15.60)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
606306-04	CORRUGATED PC CONCRETE MEDIANS
701106-02	OFF-RD OPERATIONS, 2L, 2W, DAY ONLY, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD OPERATIONS, 2L, 2W, DAY ONLY
701101-05	OFF-RD OPERATIONS, MULTILANE, LESS THAN 15 FT TO EDGE OF PAVEMENT
701301-04	LANE CLOSURE, 2L, 2W, SHORT-TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS <= 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701502-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS
814001-03	HANDHOLES
886001-01	DETECTOR LOOP INSTALLATIONS

**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 FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, AND THE VILLAGE OF BUFFALO GROVE AND ARLINGTON HEIGHTS.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT 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.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO COST TO THE DEPARTMENT.
- 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
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN
- WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH. WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- THE RESIDENT ENGINEER SHALL CONTACT FADI SULTAN, AREA TRAFFIC FIELD ENGINEER AT FADI.SULTAN@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

 REVISED SHEET 2/22/2023

FILE NAME =	USER NAME = mohammed.beig	DESIGNED -	REVISED - 2/21/23, VV for Addend A	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>OLD ARLINGTON HEIGHTS RD (ARLINGTON HEIGHTS RD TO IL 68) INDEX OF SHEETS, STANDARDS AND GENERAL NOTES</b>	OR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\idot-pr.bentley.com\PI\IDOT\Documents\IDOT Offices\District 1\Projects\0117422\CD\DRAWING\0117422-sht-gennote.dgn		CHECKED -	REVISED -			2626	OR 2626 22 RESURFACE	COOK	29	2	
Default	PLOT SCALE = 100.0000' / 1" =	DATE -	REVISED -			CONTRACT NO. 62R70					
	PLOT DATE = 1/3/2023					SCALE:	SHEET	OF	SHEETS	STA.	TO

ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		100% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN			
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	205	205				
* 89502376	REBUILD EXISTING HANDHOLE	EACH	1	1				
X0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	10	10				
X4400501	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT LESS THAN OR EQUAL TO 10 FEET	FOOT	100	100				
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	549	549				
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	300		300			
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	3	3				
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6				
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	24		24			
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51.4	51.4				

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		100% STATE ROADWAY 0005 URBAN	100% STATE ROADWAY 0005 URBAN			
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1				
550A0410	STORM SEWERS, CLASS A , TYPE 2 24"	FOOT	8	8				
55101200	STORM SEWER REMOVAL 24"	FOOT	15	15				
50102400	CONCRETE REMOVAL	CU YD	1.0	1.0				
50300225	CONCRETE STRUCTURES	CU YD	2.0	2.0				
50901720	BICYCLE RAILING	FOOT	55	55				△
50800205	REINFORCMENT BARS, EPOXY COATED	POUND	390	390				
Z0018905	DRILL AND GROUT BARS	EACH	116	116				

△ REVISED SHEET 2/22/2023

\* = SPECIALTY ITEMS  
△ = NON-PARTICIPATING WORK (100% STATE)

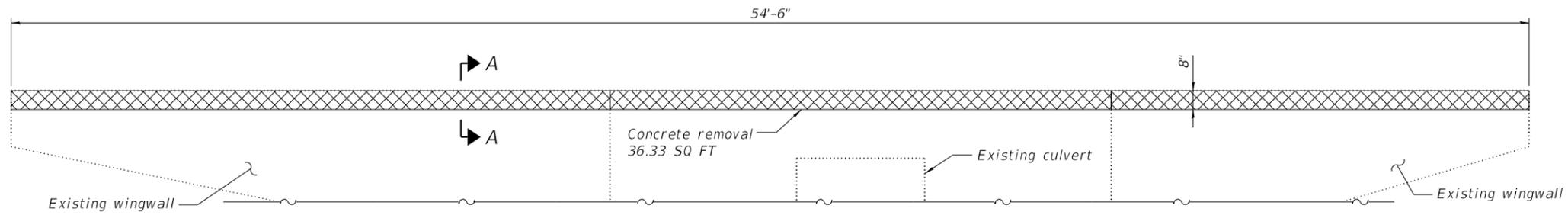
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		CHECKED -	REVISED -
		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

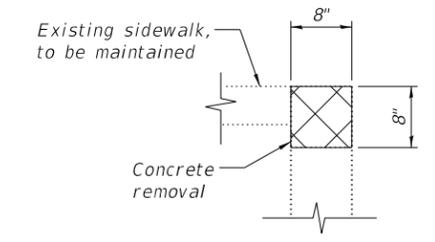
**OLD ARLINGTON HEIGHTS RD (ARLINGTON HEIGHTS RD TO IL 68)  
SUMMARY OF QUANTITIES**

OR. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	OR 2626 22 RESURFACE	COOK	29	7
CONTRACT NO. 62R70				
SCALE: SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

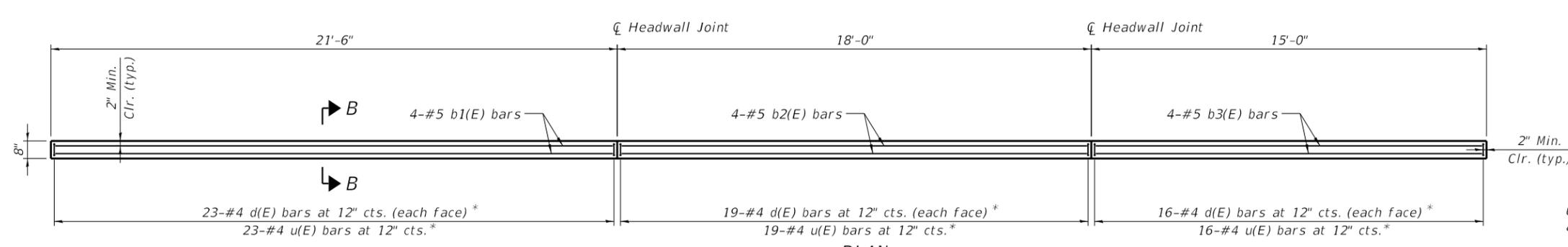




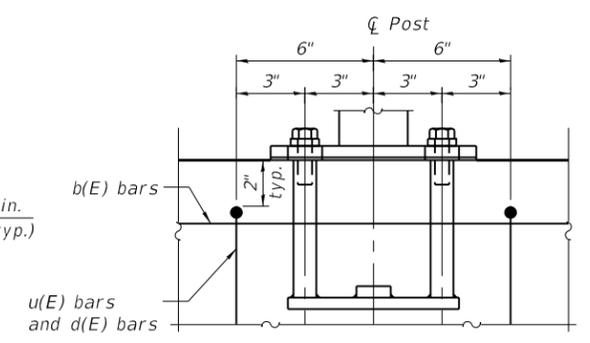
ELEVATION - CONCRETE REMOVAL



SECTION A-A

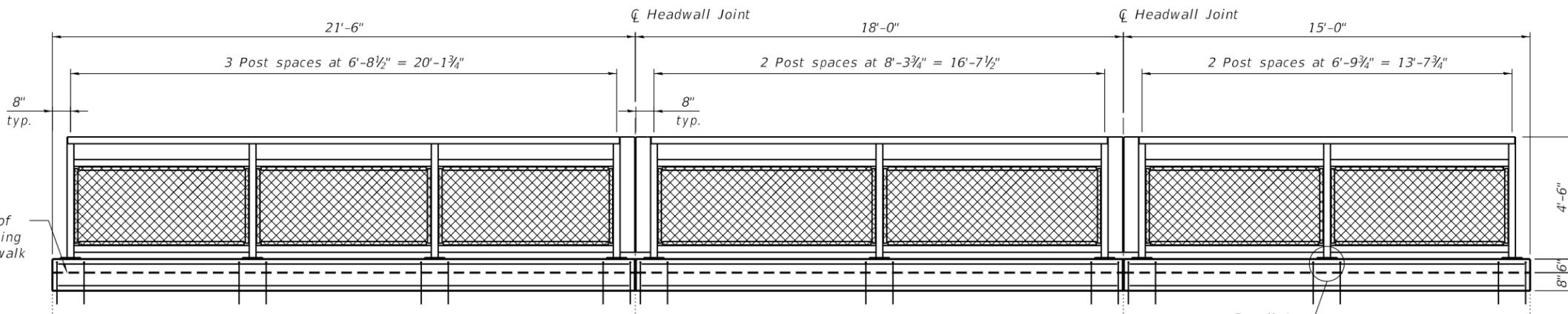


PLAN

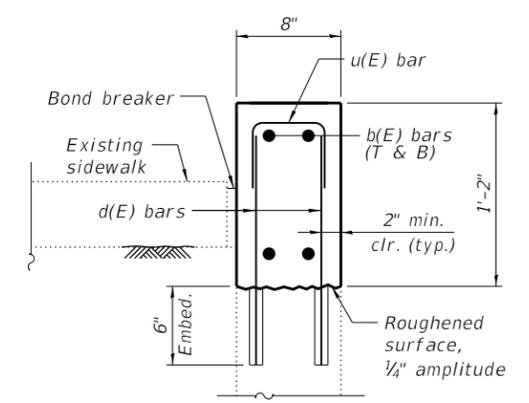


DETAIL A

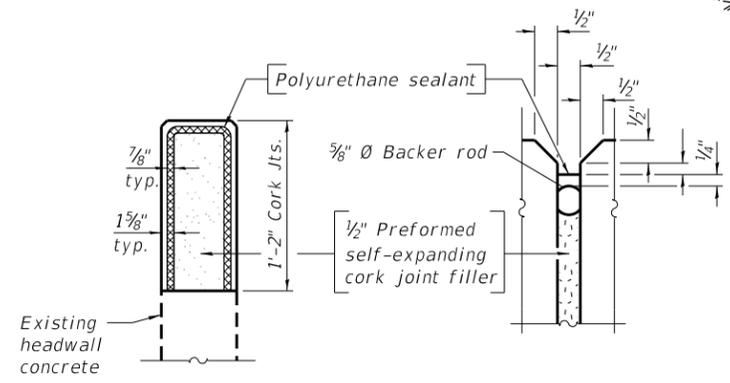
\*d(E) and u(E) bars spaced between posts.



ELEVATION

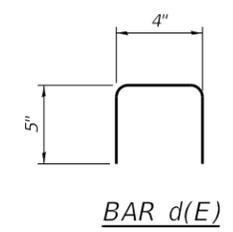


SECTION B-B



HEADWALL TO WINGWALL JOINT DETAILS

Notes:  
The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.



BAR d(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
b1(E)	4	#5	21'-2"	—
b2(E)	4	#5	17'-8"	—
b3(E)	4	#5	14'-8"	—
d(E)	116	#4	1'-6"	—
u(E)	58	#4	1'-2"	⊏
Concrete Removal			Cu. Yd.	1.0
Concrete Structures			Cu. Yd.	2.0
Bicycle Railing			Foot	55
Reinforcement Bars, Epoxy Coated			Pound	390
Drill and Grout Bars			Each	116

Added Sheet

ADDED ENTIRE SHEET 2/22/2023



USER NAME =	DESIGNED - KJP	REVISED - 2/21/2023 KJP
PLOT SCALE =	CHECKED - PRD	REVISED -
PLOT DATE =	DRAWN - KJP	REVISED -
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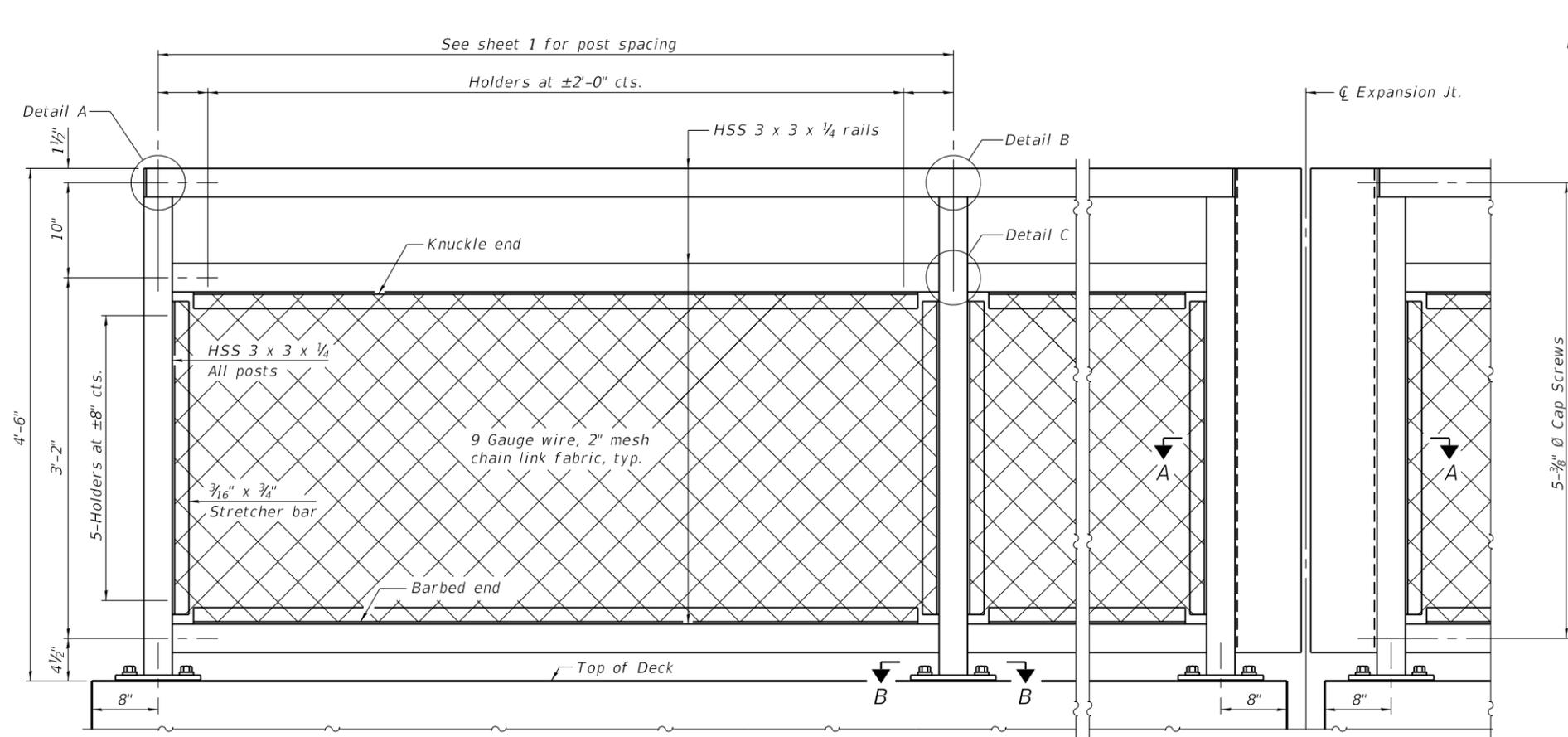
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

HEADWALL AND RAILING REPAIRS

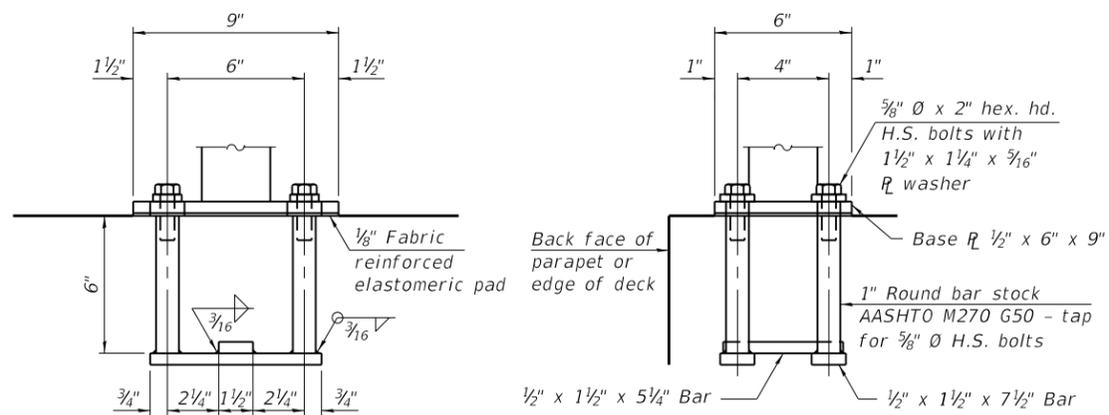
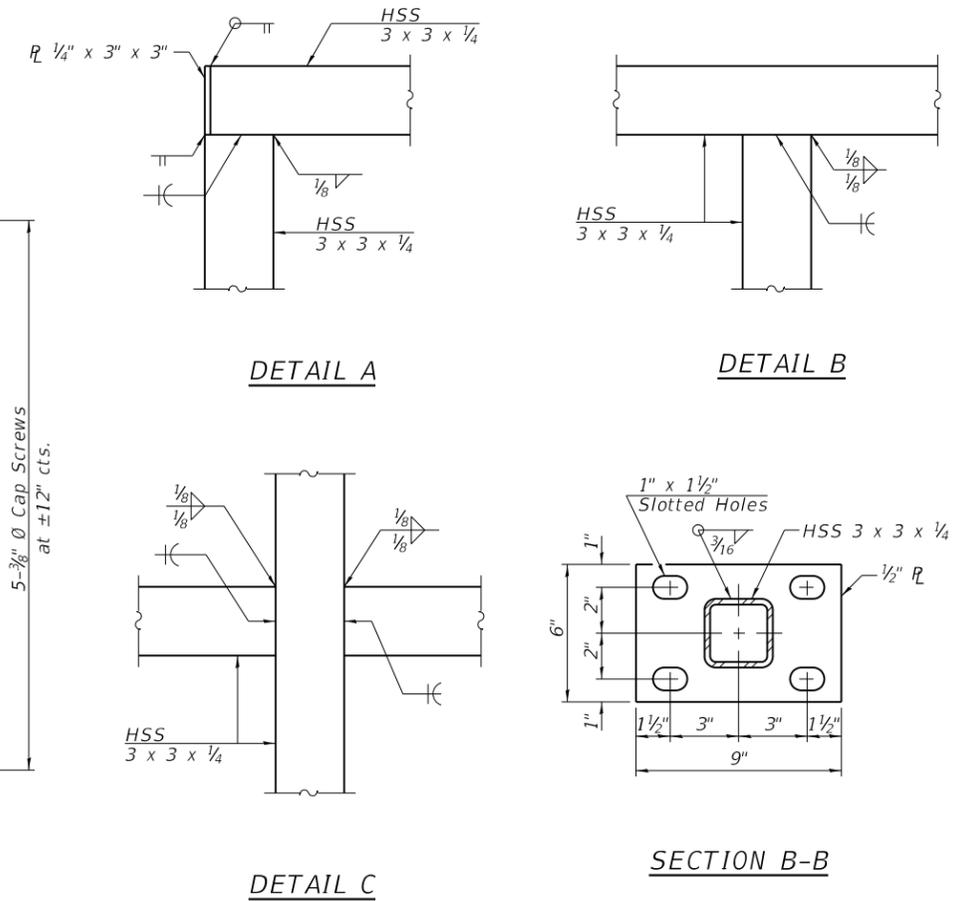
SHEET 1A OF 2A SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	OR 2626 22 RESURFACE	COOK	29	12A
CONTRACT NO. 62R70				

ILLINOIS FED. AID PROJECT

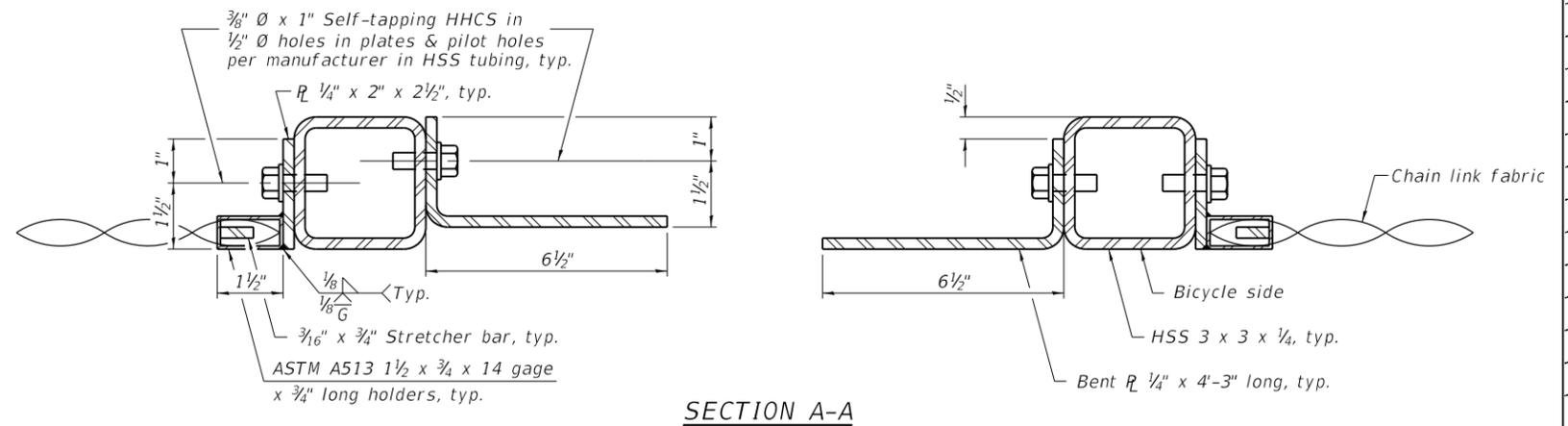


**ELEVATION BICYCLE RAILING**  
(Inside face)



**ANCHORAGE ASSEMBLY**

The Bicycle Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates.  
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" diameter fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



**SECTION A-A**

**RAILING CRITERIA**

MASH 2016 Test Level	4
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

Notes:  
Place reinforcement bars to miss anchor rod locations.  
CVN testing is not required for the HSS tubing used in the Bicycle Railing.  
All heavy hex nuts shall be according to ASTM A 563 grade DH.  
All fully threaded anchor rods shall be ASTM F1554 grade 105.  
The post base plate shall be fastened to the curb snug tight and given an additional 1/8" turn.  
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

Added Sheet

ADDED ENTIRE SHEET 2/22/2023

MODEL: Sheet  
FILE NAME: W:\195-008 IDOT Headwall Railing\CAD\_Sheets\195-008\_SHT\_02\_Bicycle Railing.dgn



USER NAME =	DESIGNED - KJP	REVISED - 2/21/2023 KJP
PLOT SCALE =	CHECKED - PRD	REVISED -
PLOT DATE =	DRAWN - KJP	REVISED -
	CHECKED - PRD	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BICYCLE RAILING

SHEET 2A OF 2A SHEETS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2626	OR 2626 22 RESURFACE	COOK	29	12B
CONTRACT NO. 62R70				

ILLINOIS FED. AID PROJECT