

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1360	(21B-NRM-4) BR 25	COOK	36	1
ILLINOIS		CONTRACT NO. 62Y12		

FOR INDEX OF SHEETS AND HIGHWAY
STANDARDS, SEE SHEET NO. 2

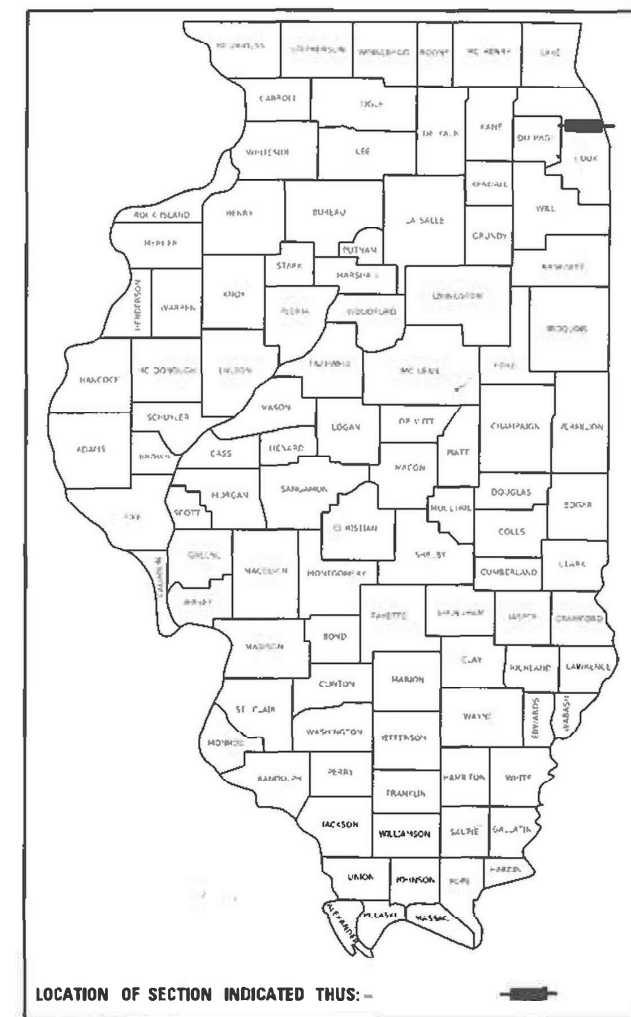
THIS PROJECT IS LOCATED IN THE CITY OF
CHICAGO

PROPOSED HIGHWAY PLANS

FAU ROUTE 1360: FOSTER AVENUE
OVER NORTH SHORE CHANNEL
SECTION: (21B-NRM-4) BR 25
PROJECT: BR-8P9N(708)

BRIDGE DECK OVERLAY, BRIDGE JOINT REPLACE AND REPAIR
COOK COUNTY

D-91-117-25



LOCATION OF SECTION INDICATED THUS: —

TRAFFIC DATA

2023 ADT = 19,100 VPD

POSTED SPEED LIMIT = 30 MPH

MINOR ARTERIAL

PROJECT LOCATION
FOSTER AVE OVER
N SHORE CHANNEL
STRUCTURE NO. 016-0251

40N



JEFFERSON TOWNSHIP

GROSS LENGTH = 269 FT. = 0.05 MILE

NET LENGTH = 269 FT. = 0.05 MILE



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

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

CONTRACT NO. 62Y12



Alex Lane
ALEXANDER CARL LANE, P.E.
IL LIC. NO. 062-063261
EXP: 11/30/2025
DATE: 06/13/2025

THIS SEAL AND SIGNATURE
PERTAINS TO SHEETS 1 TO 1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED

June 26th 2025
IR

REGIONAL ENGINEER

August 15, 2025

ENGINEER OF DESIGN AND ENVIRONMENT

August 15, 2025

DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



INFRASTRUCTURE
ENGINEERING INCORPORATED
1 South Wacker | Suite 2650 | Chicago, IL 60606
P 312.425.9546 | F 312.425.9549 | www.iae-inc.com

CONTACT: ALEXANDER LANE (312) 477-0620

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OF THE STATE OF ILLINOIS

REV-SEP

INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, MIXTURE REQUIREMENTS, AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4	TYPICAL SECTIONS
5-8	TRAFFIC CONTROL PLANS
9	ROADWAY AND PAVEMENT MARKING PLAN
10-26	STRUCTURAL DRAWINGS - S.N. 016-0251
27	BD-02: DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)
28	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
29	BD-24: CURB AND GUTTER REMOVAL AND REPLACEMENT
30	BD-32: BUTT JOINT AND HMA TAPER DETAILS
31	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
32	TC-22: ARTERIAL ROAD INFORMATION SIGN
33-35	TC-24: CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS
36	TC-26: DRIVEWAY ENTRANCE SIGNING

STATE STANDARDS

STANDARD NO.	DRAWING NAME
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS- DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701611-01	URBAN HALF ROAD CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-10	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
780001-05	TYPICAL PAVEMENT MARKINGS
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

HMA TABLE

<u>HOT-MIX ASPHALT MIXTURE REQUIREMENTS</u>		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
BUTT JOINT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70, 1-3/4"	4% @ 70 Gyr	QC/QA
QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (QC/QA): QUALITY CONTROL FOR PERFORMANCE (QCP): PAY FOR PERFORMANCE (PFP)		
MIXTURE REQUIREMENT NOTES: 1.THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/LN. 2.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.		

GENERAL NOTES

1. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES.
2. MEADE ELECTRIC COMPANY, THE IDOT DISTRICT ONE ELECTRICAL MAINTENANCE CONTRACTOR, LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES. CALL 773-287-7672 FOR THE INITIAL LOCATE. REQUEST FOR LOCATES OF PREVIOUSLY MARKED FACILITIES MAY BE AT THE CONTRACTOR'S EXPENSE.
3. IN ADDITION TO FIELD REVIEW AND AERIAL DATA, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE BID PRICE FOR THE WORK.
4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO BEGINNING CONSTRUCTION AND ORDERING MATERIALS.
6. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE PROTECTION OF EXISTING PLANT MATERIAL FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF EXISTING PLANT MATERIAL AND THE REPAIR OR REPLACEMENT OF EXISTING PLANT MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 201 OF THE STANDARD SPECIFICATIONS.
7. THE DEPARTMENT HAS NOT OBTAINED ANY PERMITS FOR OFFSITE BORROW, WASTE, USE (BWU) AREAS. PRIOR TO WORKING IN BWU AREAS, IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING PERMITS IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER PERMITS. IN ADDITION TO THE BORROW REVIEW (BDE 2289) AND USE/WASTE REVIEW (BDE 2290) SUBMITTALS, THE CONTRACTOR SHALL SUBMIT AN EROSION AND SEDIMENT CONTROL (ESC) PLAN FOR EVERY BWU SITE TO THE DEPARTMENT FOR ACCEPTANCE. GUIDELINES FOR ACCEPTABLE BWU PRACTICES CAN BE FOUND IN SECTION 11.G.1. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT ESC PLANS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE CONTRACTOR SHALL CONTACT KALPANA KANNAN-HOSADURGA, THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
9. 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.
10. THE DEPARTMENT HAS DETERMINED THAT IN STREAM WORK IS NOT REQUIRED FOR THE WORK SPECIFIED IN THIS CONTRACT. THE DEPARTMENT HAS NOT OBTAINED A USACE PERMIT. IF THE CONTRACTOR CHOOSES TO USE ACTIVITIES REQUIRING AN USACE PERMIT, IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROPER USACE PERMITS. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO SECURE AND COMPLY WITH A USACE PERMIT FOR CONTRACTOR'S ACTIVITIES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
12. SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
13. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT. ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT SHALL BE EPOXY COATED UNLESS NOTED ON THE PLANS.
14. 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 PLANS.
15. THE CENTERLINE IS FOR INFORMATION ONLY.
16. THE "ROAD CONSTRUCTION AHEAD" SIGNS SHALL REMAIN INSTALLED UNTIL THE COMPLETION OF THE PROJECT OR WHEN NO ROADWAY HAZARDS REMAIN WITHIN THE WORK ZONE.
17. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL ROAD CLOSURE, TRAFFIC STAGE CHANGES, AND NEW TRAFFIC SIGNAL TURN-ON EVENTS ON EACH APPROACH OF THE AFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE (DETERMINED BY THE ENGINEER) PLACED AS DIRECTED BY THE ENGINEER.
18. THE PAY ITEM "BARRIER WALL REFLECTORS, TYPE C" IS INTENDED SOLELY TO BE USED FOR REFLECTOR APPLICATIONS ON PERMANENT AND EXISTING CONCRETE BARRIER AND IS NOT TO BE USED FOR TEMPORARY CONCRETE BARRIER WHERE THE TYPE C REFLECTOR IS CONSIDERED INCLUDED IN THE COST OF THE TEMPORARY CONCRETE BARRIER PER HIGHWAY STANDARD 704001
19. FRAME ADJUSTMENTS IN CHICAGO REQUIRE FULL DEPTH SAW CUTS WHICH ARE INCIDENTAL TO THE WORK
20. CONTRACTOR MUST CONTACT CTA WITHIN A MINIMUM OF THREE WEEKS PRIOR TO ANY LANE OR STREET CLOSURES TO DISCUSS ANY IMPACTS TO BUS OPERATIONS, I.E. DETOURS, TEMPORARY BUS STOP RELOCATIONS OR ELIMINATIONS. TWO OR MORE CONSECUTIVE BUS STOP MAY NOT BE CLOSED AT THE SAME TIME. PLEASE CONTACT TRAFFIC.PLANNING@TRANSITCHICAGO.COM TO COORDINATE ANY BUS SERVICE ISSUES.
21. THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED UNDER THE SURFACE COURSE MIX.

MODEL: Default
FILE NAME: P:\P-22022-4675-00 IDOT Various Phase 2 (PTB 208-002)\WO 31 62Y12DGN\CADD_Sheets\62Y12-SHT-GENNOTES.dgn

<div><div>INFRASTRUCTURE ENGINEERING INCORPORATED</div><div>1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9560 F 312.425.9564 www.infrastructure-eng.com</div></div>	USER NAME = ALane	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES FOSTER AVENUE OVER NORTH SHORE CHANNEL	F.A.U. RTE.	SECTION	COUN TY	TOTAL SHE ETS	SHEET NO.
		DRAWN - HA	REVISED -			1360	(21B-NRM-4) BR 25	COOK	36	2
		CHECKED - ACL	REVISED -			CONTRACT NO. 62Y12				
	PLOT DATE = 7/14/2025	DATE - 06/24/2025	REVISED -			ILLINOIS FED. AID PROJECT				
	SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.									

MODEL: Default
FILE NAME: P:\P-22\22-4675-00\DOT Various Phase 2 (PTB 208-002)\WO 31 62Y12\GNCADD_Sheets\62Y12-SHT-SOQ.dgn

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				URBAN		
				0013		
				80% FEDERAL 20% STATE	100% STATE	
20200100	EARTH EXCAVATION	CU YD	19	19		
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	262	262		
40600370	LONGITUDINAL JOINT SEALANT	FOOT	363	363		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	581	581		
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	57	57		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	23	23		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1,670	1,670		
44000600	SIDEWALK REMOVAL	SQ FT	1,876	1,876		
50102400	CONCRETE REMOVAL	CU YD	53.4	53.4		
50157300	PROTECTIVE SHIELD	SQ YD	598	598		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	57.5	57.5		
50300300	PROTECTIVE COAT	SQ YD	726	726		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,830	2,830		
50800515	BAR SPLICERS	EACH	28	28		
52000110	PREFORMED JOINT STRIP SEAL	FOOT	135	135		
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	7	7		
63301990	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 1	EACH	4	4		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	20	20		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1		
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1		
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2	2		
67100100	MOBILIZATION	L SUM	1	1		
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	60	60		
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	4,889	4,889		

* = SPECIALTY ITEM

PAY ITEM NUMBER	DESIGNATION	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE		
				URBAN		
				0013		
				80% FEDERAL 20% STATE	100% STATE	
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	552	552		
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	552	552		
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	290	290		
X0300062	GRAFFITI REMOVAL	SQ YD	169	169		
X0327611	REMOVE AND REINSTALL BRICK PAVER	SQ FT	144	144		
X4400503	COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT GREATER THAN 10 FEET	FOOT	256	256		
X5030250	BRIDGE DECK GROOVING (LONGITUDINAL)	SQ YD	657	657		
X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	120		120	
X6700407	ENGINEER'S FIELD OFFICE, TYPE A (D1)	CAL MO	6	6		
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1		
Z0001700	APPROACH SLAB REPAIR (FULL DEPTH)	SQ YD	5	5		
Z0001800	APPROACH SLAB REPAIR (PARTIAL DEPTH)	SQ YD	30	30		
Z0006016	BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4 INCHES	SQ YD	654	654		
Z0012130	BRIDGE DECK SCARIFICATION 3/4"	SQ YD	656	656		
Z0012754	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 5 INCHES)	SQ FT	187	187		
Z0012755	STRUCTURAL REPAIR OF CONCRETE (DEPTH GREATER THAN 5 INCHES)	SQ FT	6	6		
Z0015550	DEBRIS REMOVAL (SEE PLAN)	CU YD	20	20		
Z0016002	DECK SLAB REPAIR (FULL DEPTH, TYPE II)	SQ YD	1.5	1.5		
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	4		4	
Z0029090	DIAMOND GRINDING (BRIDGE SECTION)	SQ YD	657	657		
X7200061	TEMPORARY INFORMATION SIGNING	SQ FT	57	57		
Z0041895	POLYMER CONCRETE	CU FT	3.9	3.9		
Z0073200	TEMPORARY SHORING AND CRIBBING	EACH	1	1		



INFRASTRUCTURE

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USER NAME = ALane

DESIGNED - HA

REVISOR -

CHECKED - ACL

DATE - 06/13/2025

REVISED -

REVISED -

REVISED -

REVISED -

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

FOSTER AVENUE OVER NORTH SHORE CHANNEL

SCALE: NTS

SHEET 1 OF 1 SHEETS

STA. TO STA.

F.A.U. RTE.

SECTION

COUNTY

TOTAL SHEETS

SHEET NO.

1360

(21B-NRM-4) BR 25

COOK

36

3

ILLINOIS

FED. AID PROJECT

CONTRACT NO. 62Y12

REV-SEP

MAINTENANCE OF TRAFFIC GENERAL NOTES

- ALL MAINTENANCE OF TRAFFIC (MOT) LANE CLOSURES CAN BE COMPLETED WITH IDOT HIGHWAY STANDARDS. THE MOT PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY IMPROVE OR MODIFY THE MOT PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE MOT PLANS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.
- THE CONTRACTOR SHALL CONTACT THE IDOT DISTRICT 1 ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL ROAD CLOSURE, TRAFFIC STAGE CHANGES TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGNS SHALL BE REMOVED TWO WEEKS THEREAFTER UNLESS THE SIGNS ARE NEEDED AGAIN FOR A SUBSEQUENT FUTURE EVENT THAT WILL OCCUR WITHIN 2 WEEKS ON THE SAME APPROACH OF THE EFFECTED ROADWAY. THE SIGN LOCATIONS SHALL BE (DETERMINED BY THE ENGINEER) PLACED AS DIRECTED BY THE ENGINEER.
- ALL EXISTING PAVEMENT MARKINGS IN CONFLICT WITH THE PAVEMENT MARKING TAPE USED FOR STAGING SHALL BE REMOVED. THIS WORK SHALL BE PAID FOR AS "PAVEMENT MARKING REMOVAL-WATER BLASTING".
- CONTRACTOR MUST CONTACT CTA WITHIN A MINIMUM OF THREE WEEKS PRIOR TO ANY LANE OR STREET CLOSURES TO DISCUSS ANY IMPACTS TO BUS OPERATIONS, I.E. DETOURS, TEMPORARY BUS STOP RELOCATIONS OR ELIMINATIONS. TWO OR MORE CONSECUTIVE BUS STOP MAY NOT BE CLOSED AT THE SAME TIME. PLEASE CONTACT TRAFFIC.PLANNING@TRANSITCHICAGO.COM TO COORDINATE ANY BUS SERVICE ISSUES.

CONSTRUCTION STAGING

STAGE 1

CONSTRUCTION:

- COMPLETE BRIDGE DECK REPAIRS AND OVERLAY ON THE THRU LANE AND SHOULDER OF FOSTER AVENUE EASTBOUND.

MAINTENANCE OF TRAFFIC:

- CLOSE THE THRU LANE AND SHOULDER OF FOSTER AVENUE EASTBOUND. 2 LANES OF TRAFFIC AND DRIVEWAY ACCESS SHALL BE MAINTAINED.

STAGE 2

CONSTRUCTION:

- COMPLETE BRIDGE DECK REPAIRS AND OVERLAY ON THE THRU LANE AND SHOULDER OF FOSTER AVENUE WESTBOUND.


MAINTENANCE OF TRAFFIC:


- CLOSE THE THRU LANE AND SHOULDER OF FOSTER AVENUE WESTBOUND. 2 LANES OF TRAFFIC AND DRIVEWAY ACCESS SHALL BE MAINTAINED.


WORK ZONE SPEED LIMIT:

	WORK ZONE SPEED	POSTED SPEED
STAGE 1 & 2	30 MPH	30 MPH

MOT TYPICAL LEGEND

- 

TEMPORARY CONCRETE BARRIER WITH TYPE C MONO-DIRECTIONAL CRYSTAL REFLECTORS PER STD 704001 AND 782006.
- 

WORK AREA
- 


DIRECTION OF TRAVEL
- ① TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW) @ 11" C-C


② TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 6" (WHITE) - TO BE PLACED AT THE BOTTOM OF THE TEMPORARY CONCRETE BARRIER

③ MONODIRECTIONAL CRYSTAL, TYPE C REFLECTORS

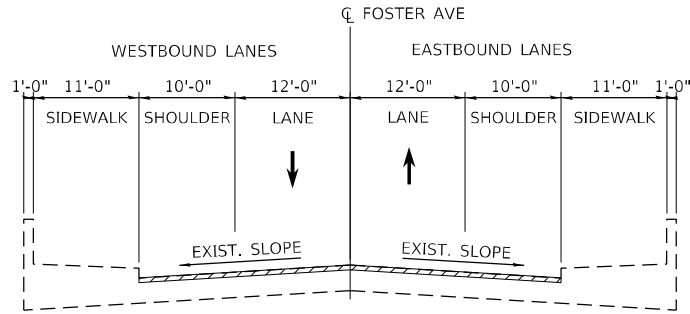
LEGEND

- Ⓐ



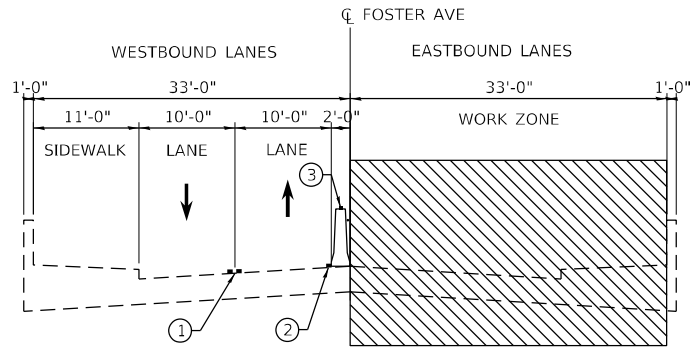
BRIDGE DECK LATEX CONCRETE OVERLAY, 2 3/4" WITH 1/4" GRINDING
- 

BRIDGE DECK SCARIFICATION, 3/4"



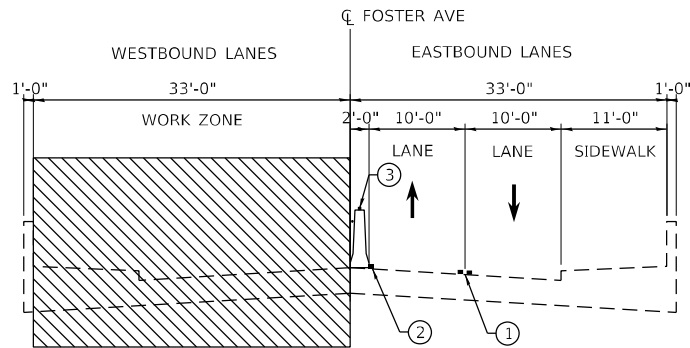
EXISTING TYPICAL CROSS SECTION

ON SN 016-0251



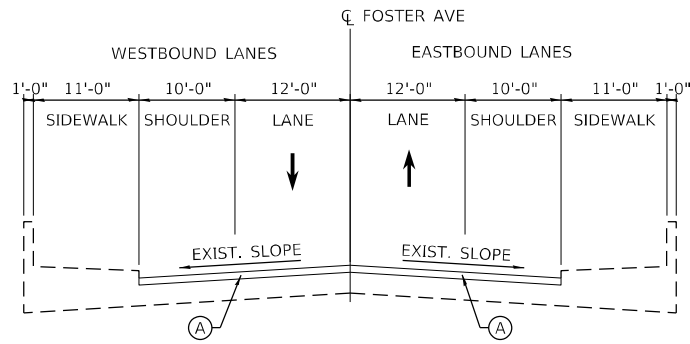
STAGE 1 CONSTRUCTION

ON SN 016-0251



STAGE 2 CONSTRUCTION

ON SN 016-0251



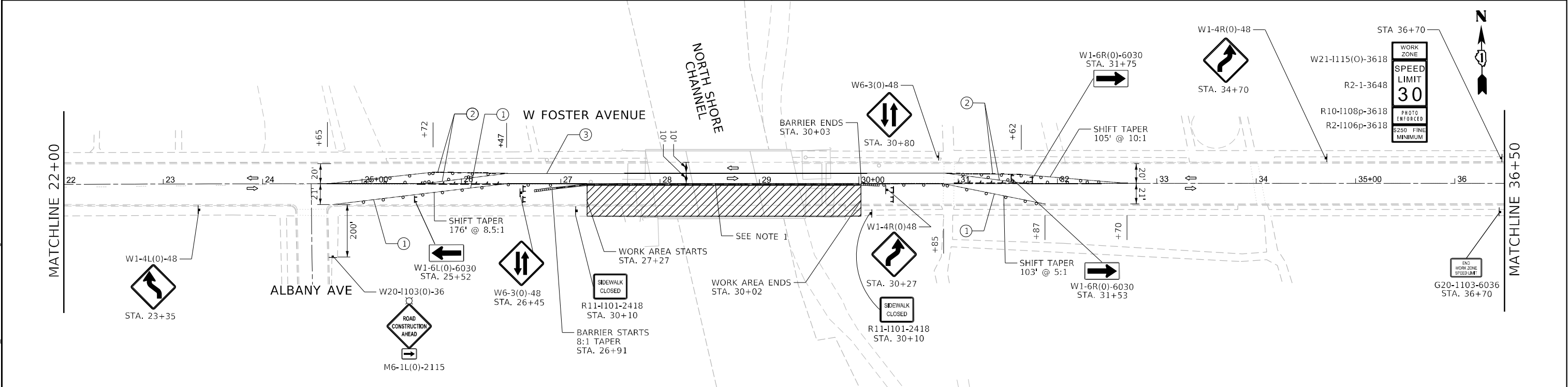
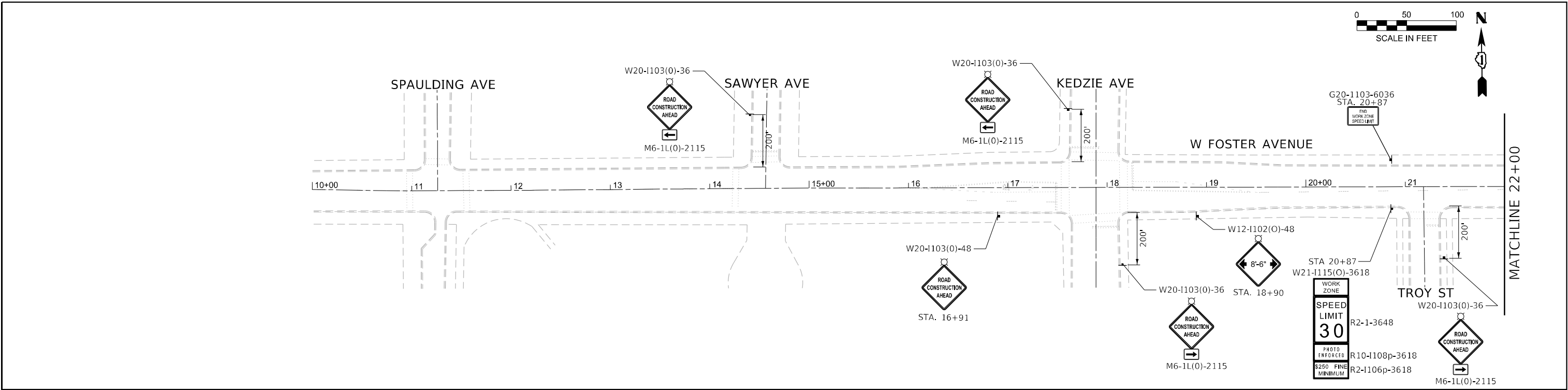
PROPOSED TYPICAL CROSS SECTION

ON SN 016-0251

MODEL: Default
FILE NAME: P:\P-22\22-4675-00 IDOT Various Phase 2 (PTB 208-02)\WO 31 62Y12\DGN\CADD_Sheets\62Y12-SHT-T-TYPICAL.dgn

 INFRASTRUCTURE ENGINEERING <small>INCORPORATED</small> 1 South Wacker Suite 2650 Chicago, IL 60606 <small>P 312.425.9500 F 312.425.9598 www.infrastructure-eng.com</small>	USER NAME = ALane	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS FOSTER AVENUE OVER NORTH SHORE CHANNEL		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - HA	REVISED -				1360	(21B-NRM-4) BR 25	COOK	36	4
		CHECKED - ACL	REVISED -		CONTRACT NO. 62Y12						
	PLOT DATE = 6/20/2025	DATE - 06/13/2025	REVISED -		SCALE: NTS	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

MODEL: Default
FILE NAME: P:\P-22-22-4675-00 DOT Various Phase 2 (PTB 2018-02)\WO 31 62Y12DGN\CADD_Sheets\62Y12-SHT-MOT-F-01.dgn



MOT SYMBOL LEGEND

- DRUM OR BARRICADE
- ⚡ DIRECTION INDICATOR BARRICADE, @ 25' C-C
- ▨ WORK AREA
- ⚡ TYPE III BARRICADE WITH FLASHING LIGHTS
- ⚡ BARRICADE
- ➡ DIRECTION OF TRAFFIC
- ⚡ SIGN ON PORTABLE OR PERMANENT SUPPORT
- TEMPORARY CONCRETE BARRIER
- ▨ IMPACT ATTENUATOR FULLY REDIRECTIVE, NARROW, TEST LEVEL 2
- AMBER, MONO-DIRECTIONAL TYPE C REFLECTOR
- ⚡ PAVEMENT MARKING REMOVAL
- ▨ TEMPORARY PAVEMENT
- ➡ FLASHING ARROW BOARD

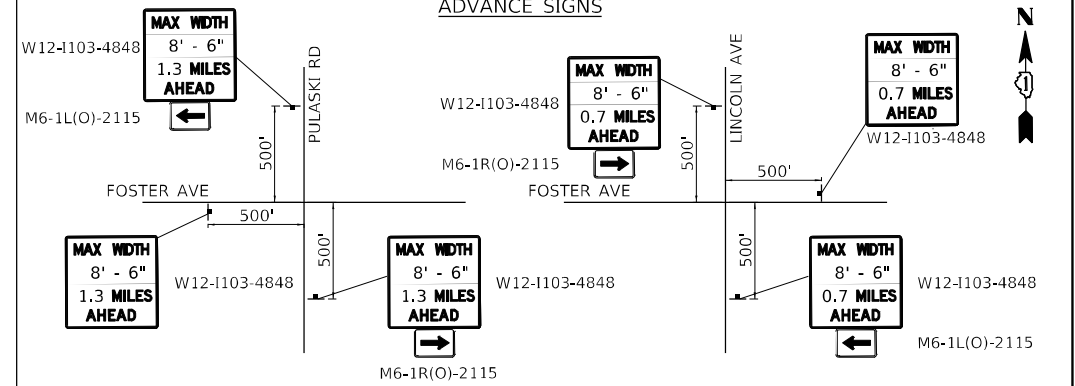
MOT PROPOSED LEGEND

- ① TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW)
- ③ TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW 2 11" C-C)

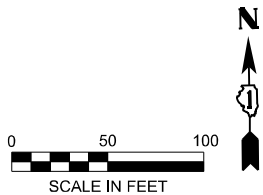
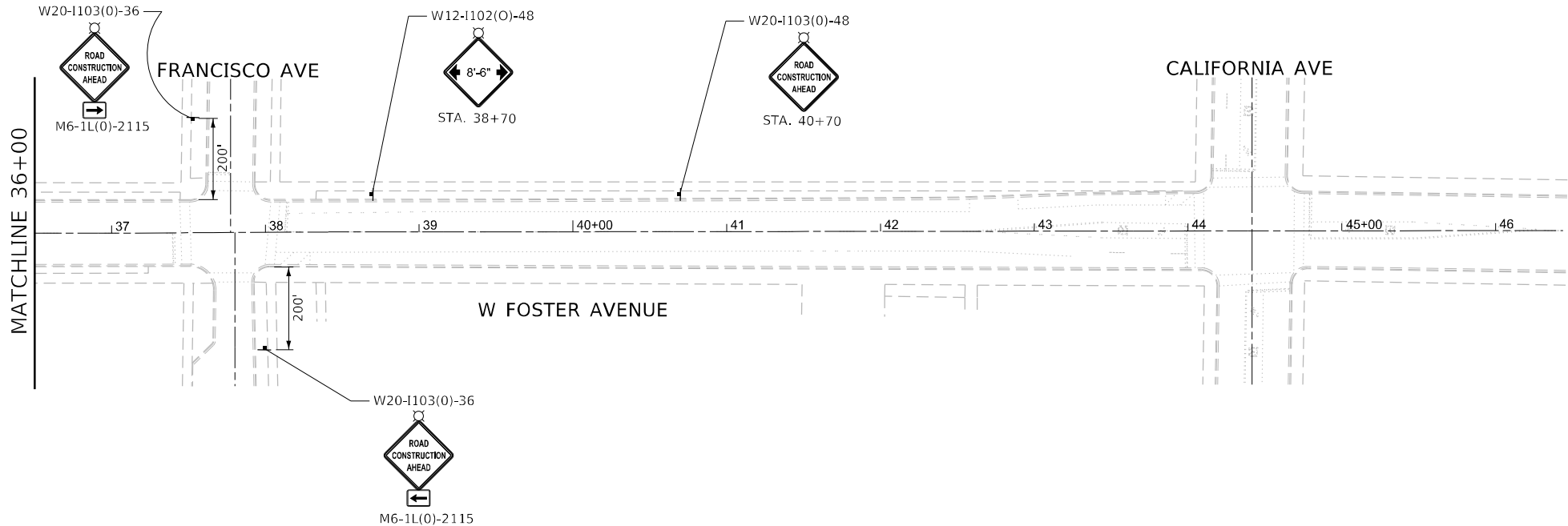
NOTES:

- PLACE THE PAVEMENT MARKING AT BOTTOM OF TEMPORARY CONCRETE BARRIER WITH 6" WHITE TAPE
- REMOVE CONFLICTING PAVEMENT MARKING USING PAVEMENT MARKING REMOVAL - WATERBLASTING

ADVANCE SIGNS



<div></div> <div>INFRASTRUCTURE ENGINEERING INCORPORATED</div> <div>1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9568 F 312.425.9594 www.infrastructure-eng.com</div>	USER NAME = ALane	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL PLANS: STAGE 1 FOSTER AVENUE FROM SPAULDING AVE TO CALIFORNIA AVE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - HA	REVISED -		1360	(21B-NRM-4) BR 25	COOK	36	5				
		CHECKED - ACL	REVISED -		CONTRACT NO. 62Y12								
	PLOT DATE = 6/20/2025	DATE - 06/13/2025	REVISED -		ILLINOIS FED. AID PROJECT								
	SCALE: 1"=50'		SHEET 1 OF 2 SHEETS		STA. TO STA.								



MOT SYMBOL LEGEND

- DRUM OR BARRICADE
- ⚡ DIRECTION INDICATOR BARRICADE, @ 25' C-C
- ▨ WORK AREA
- ⚡ TYPE III BARRICADE WITH FLASHING LIGHTS
- ⚡ BARRICADE
- ➡ DIRECTION OF TRAFFIC
- ⚡ SIGN ON PORTABLE OR PERMANENT SUPPORT
- TEMPORARY CONCRETE BARRIER
- ▨ IMPACT ATTENUATOR FULLY REDIRECTIVE, NARROW, TEST LEVEL 2
- ◊ AMBER, MONO-DIRECTIONAL TYPE C REFLECTOR
- ⚡ PAVEMENT MARKING REMOVAL
- ▨ TEMPORARY PAVEMENT
- ➡ FLASHING ARROW BOARD

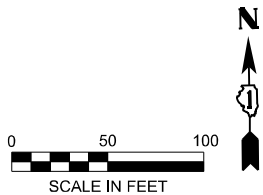
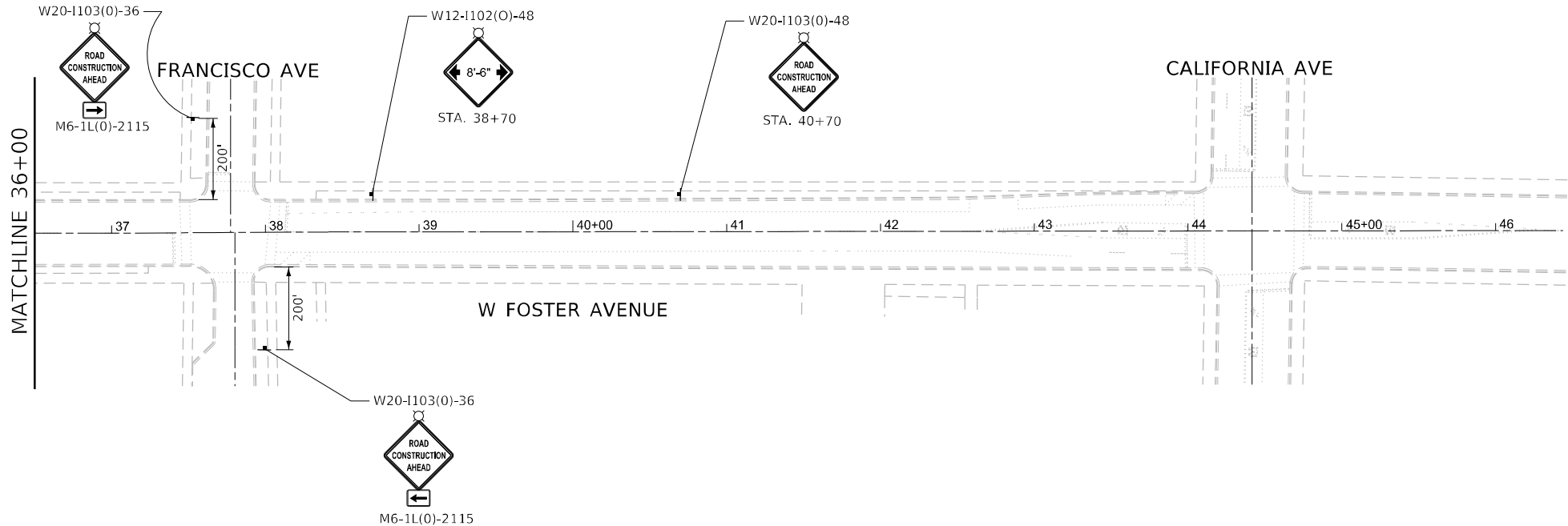
MOT PROPOSED LEGEND

- ① TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW)
- ③ TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW 2 11" C-C)

NOTES:
1. PLACE THE PAVEMENT MARKING AT BOTTOM OF TEMPORARY CONCRETE BARRIER WITH 6" WHITE TAPE
2. REMOVE CONFLICTING PAVEMENT MARKING USING PAVEMENT MARKING REMOVAL - WATERBLASTING

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<div><div>INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9598 www.infrastructure-eng.com</div></div>	USER NAME = ALane	DESIGNED - HA	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>TRAFFIC CONTROL PLANS: STAGE 1 FOSTER AVENUE FROM SPAULDING AVE TO CALIFORNIA AVE</div>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - HA	REVISED -			1360	(21B-NRM-4) BR 25	COOK	36	6
		CHECKED - ACL	REVISED -			CONTRACT NO. 62Y12				
	PLOT DATE = 6/20/2025	DATE - 06/13/2025	REVISED -			ILLINOIS FED. AID PROJECT				
						SCALE: 1"=50'	SHEET 2 OF 2 SHEETS	STA.	TO STA.	



MOT SYMBOL LEGEND

- DRUM OR BARRICADE
- ⚡ DIRECTION INDICATOR BARRICADE, @ 25' C-C
- ▨ WORK AREA
- ⚡ TYPE III BARRICADE WITH FLASHING LIGHTS
- ⚡ BARRICADE
- ➡ DIRECTION OF TRAFFIC
- ⚡ SIGN ON PORTABLE OR PERMANENT SUPPORT
- ▬ TEMPORARY CONCRETE BARRIER
- ▬ IMPACT ATTENUATOR FULLY REDIRECTIVE, NARROW, TEST LEVEL 2
- ◊ AMBER, MONO-DIRECTIONAL TYPE C REFLECTOR
- ⚡ PAVEMENT MARKING REMOVAL
- ▨ TEMPORARY PAVEMENT
- ➡ FLASHING ARROW BOARD

MOT PROPOSED LEGEND

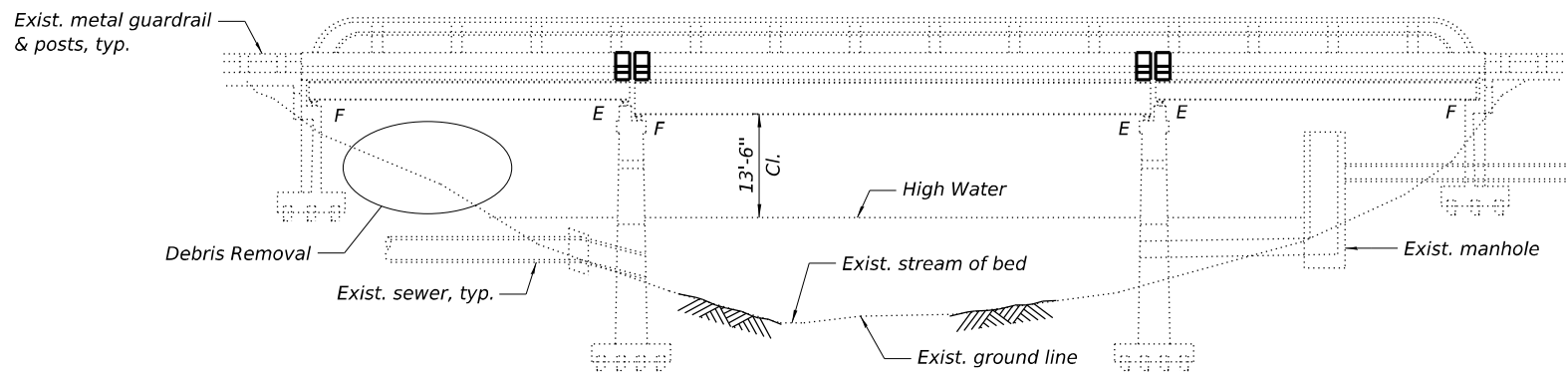
- ① TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (WHITE)
- ② TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (YELLOW)
- ③ TEMPORARY PAVEMENT MARKING TAPE, TYPE IV 4" (DOUBLE YELLOW 2 11" C-C)

NOTES:
1. PLACE THE PAVEMENT MARKING AT BOTTOM OF TEMPORARY CONCRETE BARRIER WITH 6" WHITE TAPE
2. REMOVE CONFLICTING PAVEMENT MARKING USING PAVEMENT MARKING REMOVAL - WATERBLASTING

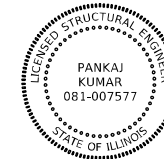
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 INFRASTRUCTURE ENGINEERING INCORPORATED 1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9568 F 312.425.9594 www.infrastructure-eng.com	USER NAME = ALane	DESIGNED - HA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL PLANS: STAGE 2 FOSTER AVENUE FROM SPAULDING AVE TO CALIFORNIA AVE				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - HA	REVISED -						1360	(21B-NRM-4) BR 25	COOK	36	8
		CHECKED - ACL	REVISED -		SCALE: 1"=50'				CONTRACT NO. 62Y12				
	PLOT DATE = 6/20/2025	DATE - 06/13/2025	REVISED -		SHEET 2 OF 2 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT				

No Salvage.



ELEVATION
(Looking North)



Pankaj Kumar.

PANKAJ KUMAR, S.E.
NO. 081-007577
EXP. DATE: 11/30/2026

INDEX OF SHEETS

1. *General Plan and Elevation*
2. *General Notes, Scope of Work, & Bill of Materials*
3. *Stage Construction Details*
4. *Temporary Concrete Barrier For Stage Construction*
5. *Deck Repair Plan*
6. *Protective Shield Plan*
7. *Deck Concrete Removal*
8. *Deck Concrete Removal Sections*
9. *Deck Alterations*
10. *Deck Alteration Sections*
11. *Deck Alteration Details*
12. *Approach Pavement Repair Plan*
13. *Preformed Joint Strip Seal - Sidewalk (Sheet 1 of 2)*
14. *Preformed Joint Strip Seal - Sidewalk (Sheet 2 of 2)*
15. *Abutment Repairs*
16. *Pier Repairs*
17. *Bar Splicer Assembly and Mechanical Splicer Details*

DESIGN STRESSES

New Construction

$f'_c = 3,500 \text{ psi}$ (Substructure Concrete)
 $f'_c = 4,000 \text{ psi}$ (Superstructure Concrete)
 $f_y = 60,000 \text{ psi}$ (Reinforcement)

Existing Construction

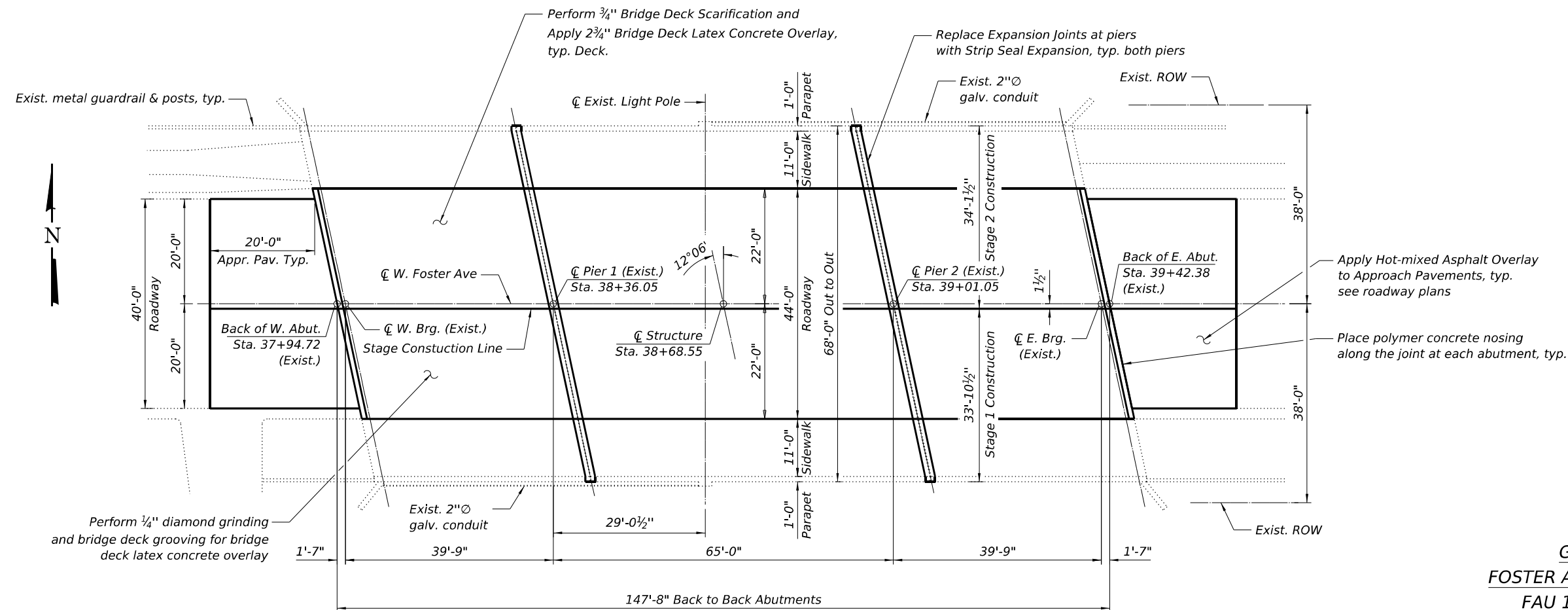
$f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi (Reinforcement)}$
 $f_y = 33,000 \text{ psi (Superstructure)}$

DESIGN SPECIFICATIONS

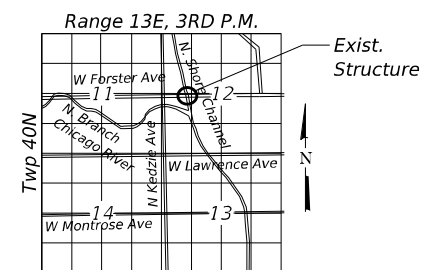
2002 AASHTO Standard Specifications for
Highway Bridges (17th Edition)

LOADING HS20-44

No future wearing surface allowed



PLAN



LOCATION SKETCH

GENERAL PLAN AND ELEVATION
FOSTER AVENUE OVER NORTH SHORE CHANNEL
FAU 1360 SECTION (21B NRM 4) BR 25
COOK COUNTY
STATION 38+68.55
STRUCTURE NO. 016-0251

SCOPE OF WORK

1. *Place protective shield over Span 2 and bike path at Span 3.*
2. *Perform $\frac{3}{4}$ " bridge deck scarification on the bridge deck.*
3. *Perform deck slab, approach pavement, and sidewalk repair as required.*
4. *Apply $2\frac{3}{4}$ " bridge deck latex concrete overlay on the bridge deck.*
5. *Replace transverse deck expansion joints with new preformed strip seal joints at both piers.*
6. *Place polymer concrete nosing along joints at both abutments.*
7. *Perform bridge deck grooving (longitudinal) on the bridge deck.*
8. *Perform $\frac{1}{4}$ " diamond grinding on the bridge deck.*
9. *Apply protective coat to the reconstructed top and interior surfaces of the parapets, sidewalks, and concrete overlay areas.*
10. *Perform structural repair of concrete on West Abutment and Pier 1.*
11. *Remove debris from the areas beneath the bridge.*
12. *Perform graffiti removal on substructures.*

GENERAL NOTES

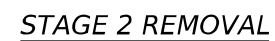
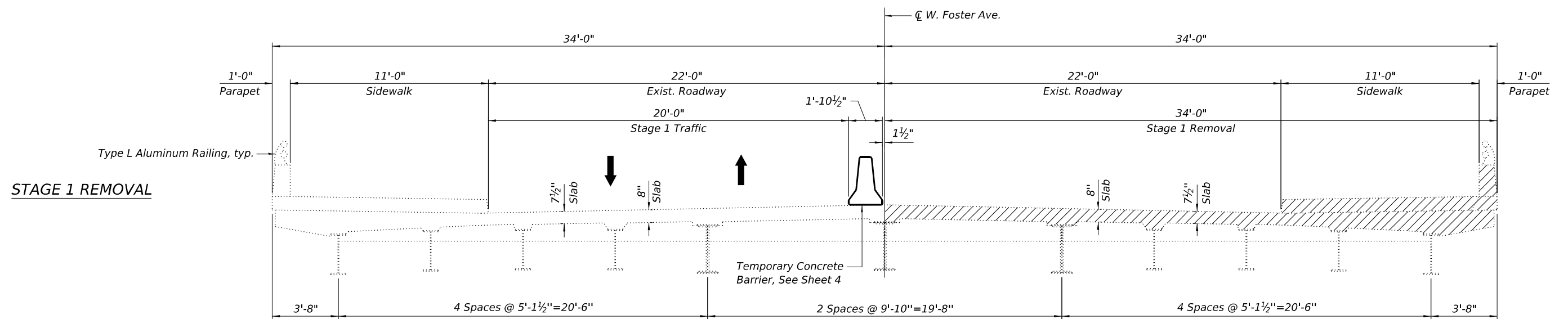
1. *All structural steel shall conform to AASHTO Classification M270 Grade 36, unless otherwise noted.*
2. *Reinforcement bars designated (E) shall be epoxy coated.*
3. *Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work; however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.*
4. *In addition to the requirements of Article 107.16, the contractor shall protect the surface of all bridge decks and bridge approach pavements in a manner satisfactory to the engineer before any equipment is allowed to cross the structure. Protection shall be provided for all equipment as defined in Article 107.16 regardless if track mounted or wheeled.*
5. *Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50 F.*
6. *The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to address the presence of lead on this project.*
7. *Existing reinforcement bars extending into the removal area shall be cleaned, straightened, and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal shall be replaced with an approved bar splicer or anchorage system at the contractor's expense.*
8. *Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale and other loose detrimental foreign material shall be removed from the surfaces in contact with concrete (SSPC-SP3 Standards). Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be paid for according to Article 109.04 of the Standard Specifications.*

As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particles (MT) or dye penetration testing (PT) by qualified personnel approved by the Engineer. Any cracks that cannot be removed by grinding 1/4" deep shall be identified and reported to Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid according to Article 109.04 of the Standard Specifications.
9. *No field welding is permitted except as specified in the contract documents.*

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	53.4		53.4
Protective Shield	Sq Yd	598		598
Concrete Superstructure	Cu Yd	57.5		57.5
Protective Coat	Sq Yd	762		762
Reinforcement Bars, Epoxy Coated	Pound	2,830		2,830
Bar Splicers	Each	28		28
Preformed Joint Strip Seal	Foot	135		135
Graffiti Removal	Sq Yd		169	169
Bridge Deck Grooving (Longitudinal)	Sq Yd	657		657
Approach Slab Repair (Full Depth)	Sq Yd	5		5
Approach Slab Repair (Partial Depth)	Sq Yd	30		30
Bridge Deck Latex Concrete Overlay, 2¾ Inches	Sq Yd	654		654
Bridge Deck Scarification, ¾"	Sq Yd	656		656
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	72	115	187
Structural Repair of Concrete (Depth Greater Than 5 Inches)	Sq Ft		6	6
Deck Slab Repair (Full Depth, Type II)	Sq Yd	1.5		1.5
Diamond Grinding (Bridge Section)	Sq Yd	657		657
Polymer Concrete	Cu Ft	3.9		3.9
Temporary Shoring and Cribbing	Each		1	1
Debris Removal (Special)	Cu Yd		20	20

* Quantity is for the top of deck and top and interior faces of new concrete for the parapets and sidewalks



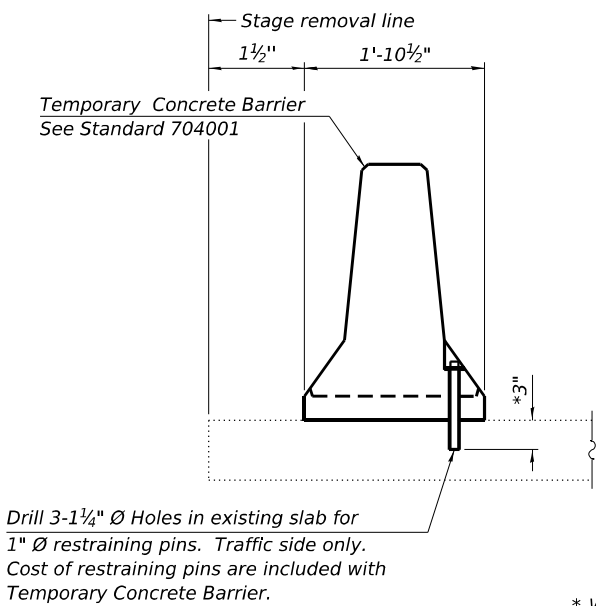
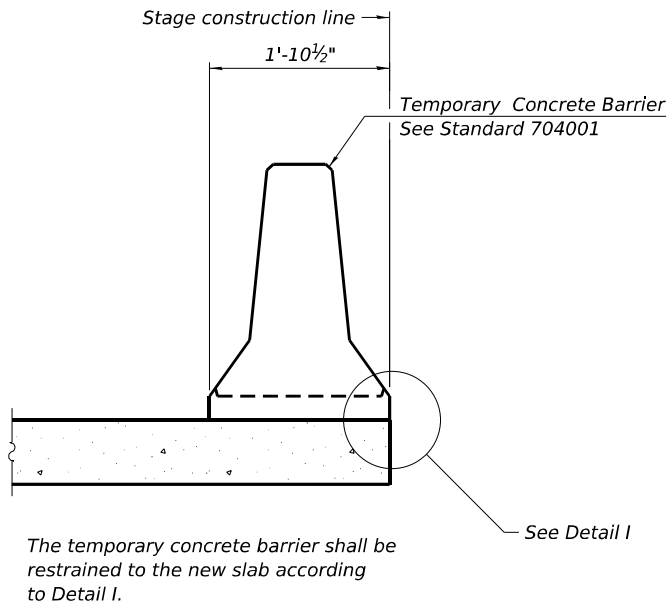
NOTES

1. Looking east for all sections and cross sections are shown within concrete removal at the expansion joints at the piers
2. For quantity of Temporary Concrete Barriers, see roadway plans.

* Prior to grinding

LEGENDS



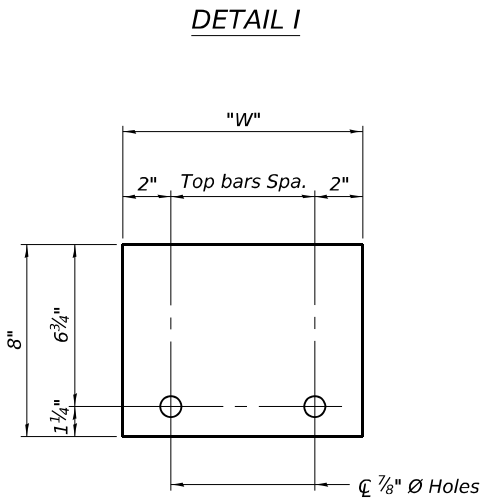
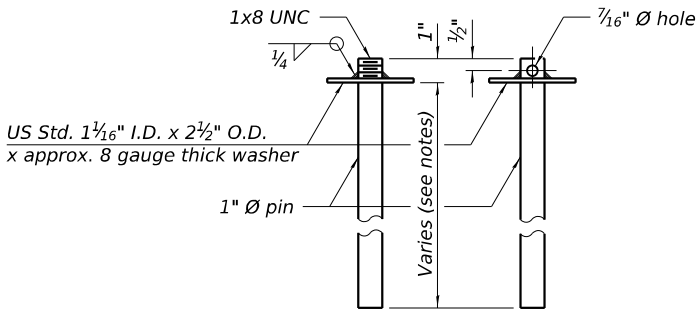
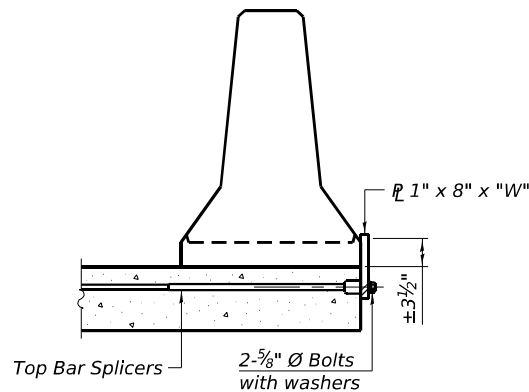


* When hot-mix asphalt wearing surface is present, embedment shall be 3" plus the wearing surface depth.

NEW SLAB OR NEW DECK BEAM

EXISTING SLAB

SECTIONS THRU SLAB OR DECK BEAM

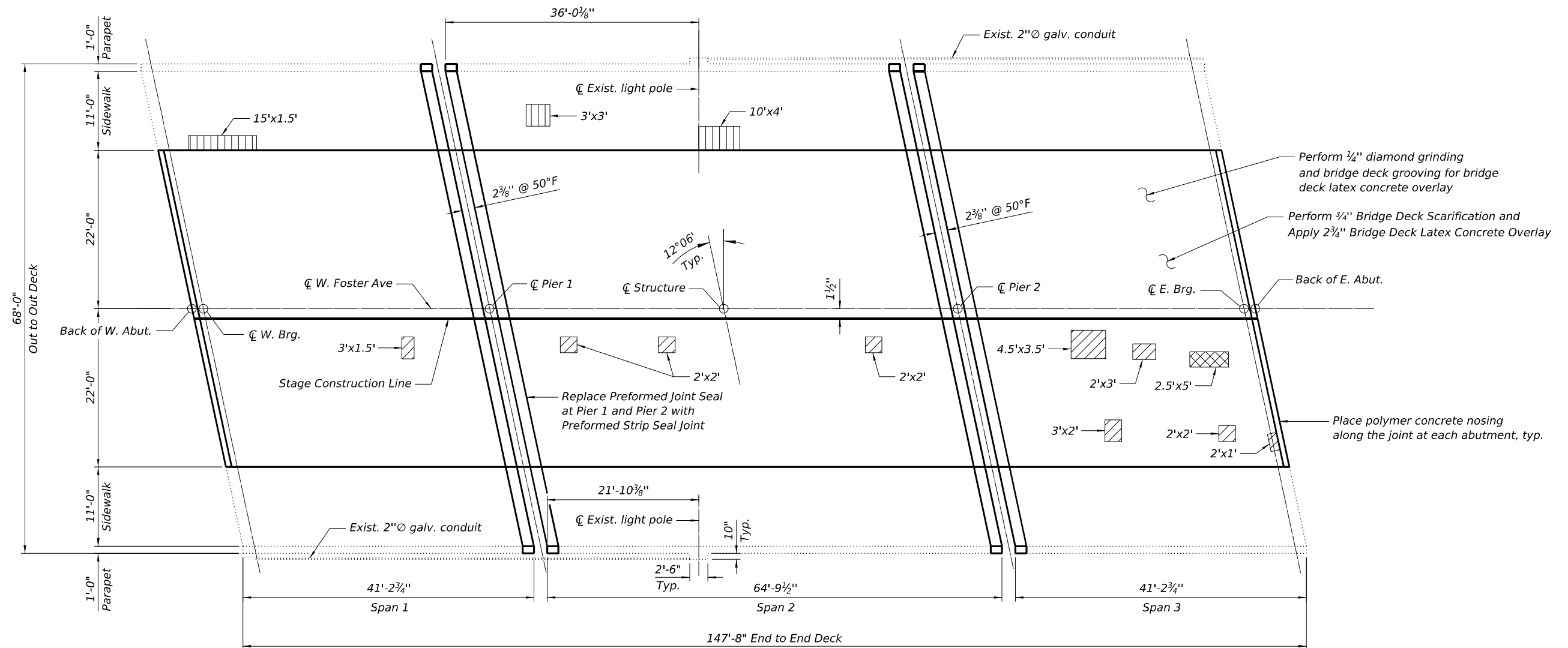


Notes:
Cost of retainer assembly is included with Temporary Concrete Barrier.
A retainer assembly shall be located at the approximate C of each temporary concrete barrier.
The retainer plate shall not be removed until the concrete on the adjacent stage is ready to be poured. For Detail III applications the retainer plate shall not be removed until just prior to placing the adjacent beam.

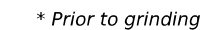
RAILING CRITERIA	
NCHRP 350 Test Level	3
Railing Weight (plf)	440

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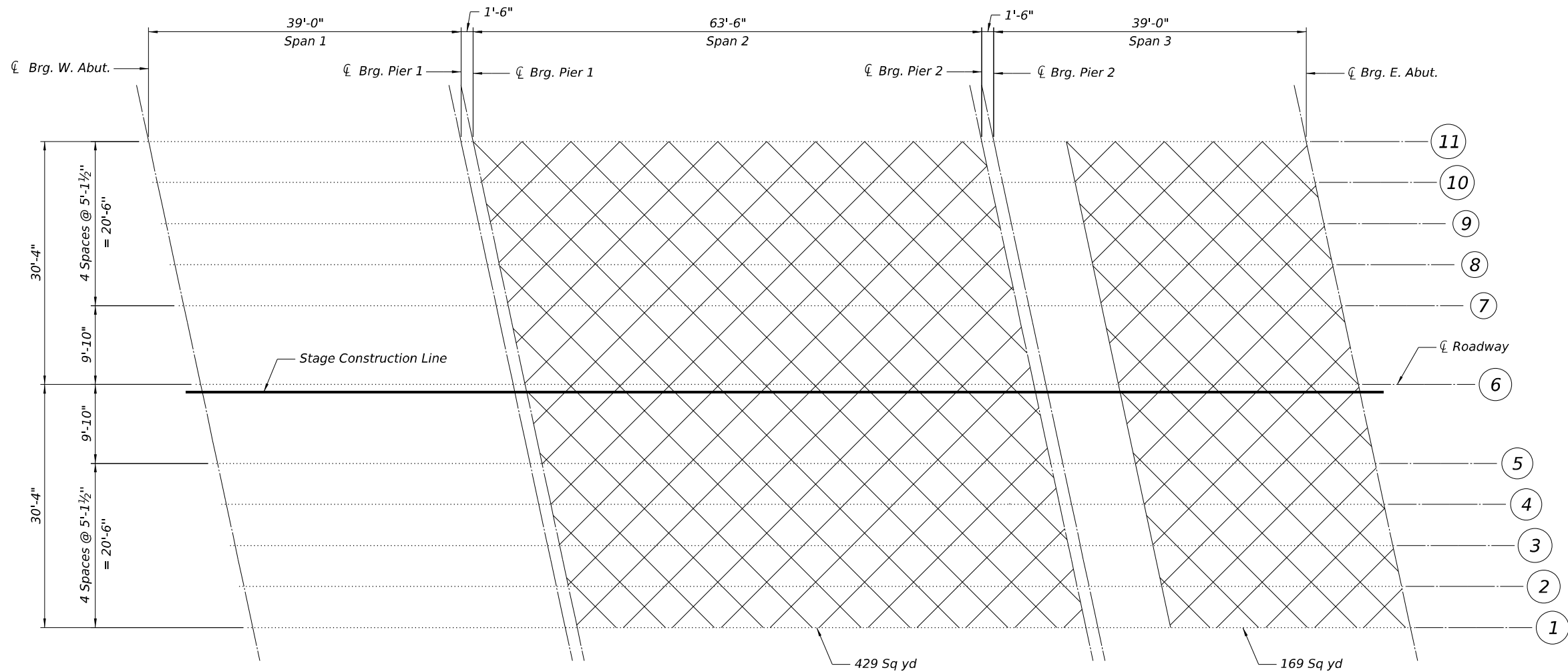
<div><div>INFRASTRUCTURE ENGINEERING INCORPORATED</div><div>1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9598 www.infrastructure-eng.com</div></div>	USER NAME = ALane	DESIGNED - TY	REVISED -	<div>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</div>	<div>TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION STRUCTURE NO. 016-0251</div>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 6/20/2025	DRAWN - TY	REVISED -			CONTRACT NO. 62Y12				
		CHECKED - PK	REVISED -			ILLINOIS FED. AID PROJECT				
	SHEET 4 OF 17 SHEETS									



68'-0" Out to Out Deck



ITEM	UNIT	TOTAL
Protective Coat	Sq Yd	762
Bridge Deck Grooving (Longitudinal)	Sq Yd	657
Bridge Deck Latex Concrete Overlay, 2¾"	Sq Yd	654
Bridge Deck Scarification, ¾"	Sq Yd	656
Structural Repair of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	72
Deck Slab Repair (Full Depth, Type II)	Sq Yd	1.5
Diamond Grinding (Bridge Section)	Sq Yd	657



LEGEND



Beam number

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Protective Shield	Sq Yd	598

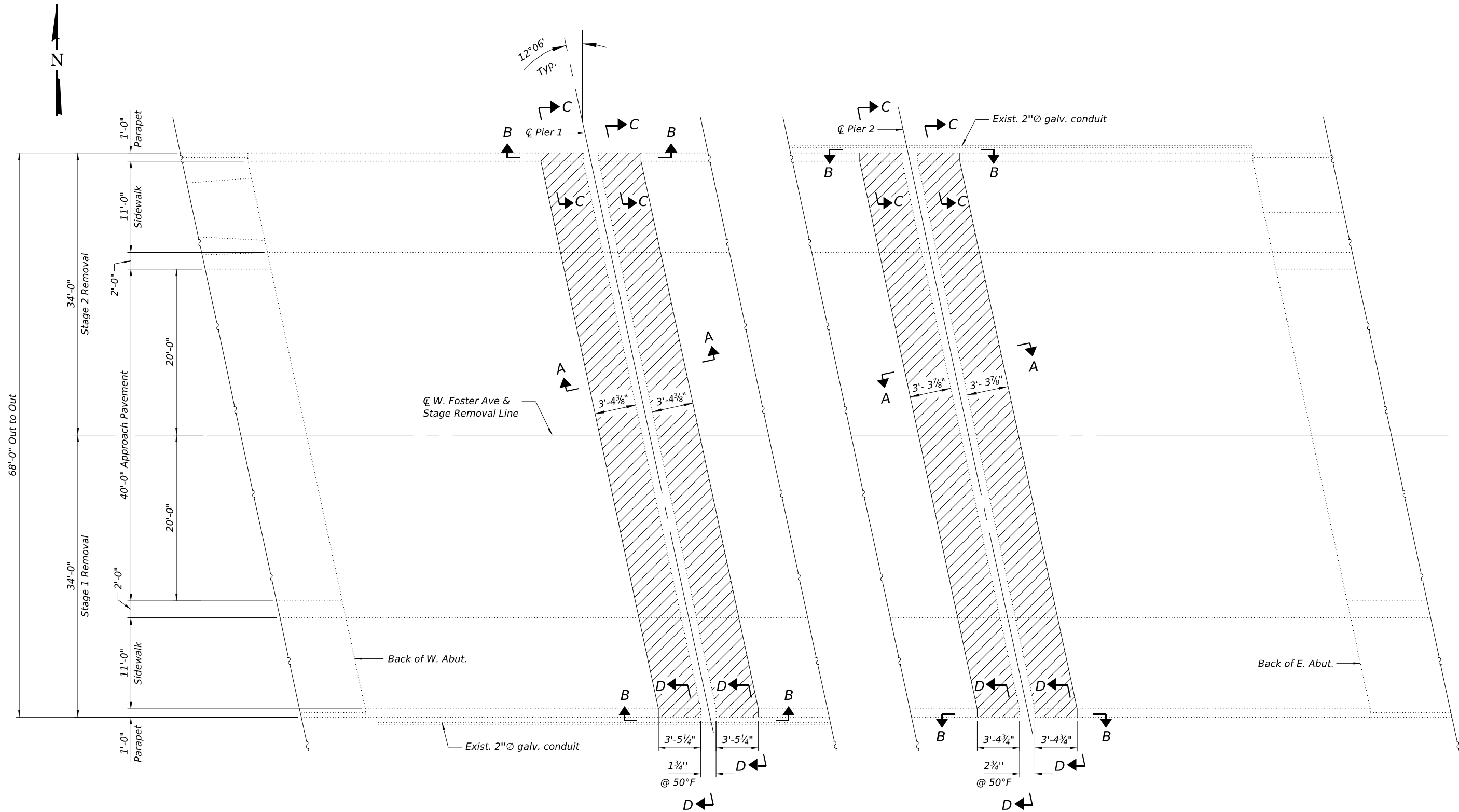
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	CHECKED - PK	REVISED -
PLOT SCALE =	DRAWN - TY	REVISED -
PLOT DATE = 7/25/2025	CHECKED - PK	REVISED -

PROTECTIVE SHIELD DETAILS
STRUCTURE NO. 016-0251

SHEET 6 OF 17 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	(21B-NRM-4) BR 25	COOK	36	15
		CONTRACT NO. 62Y12		
		ILLINOIS	FED. AID PROJECT	

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PLAN

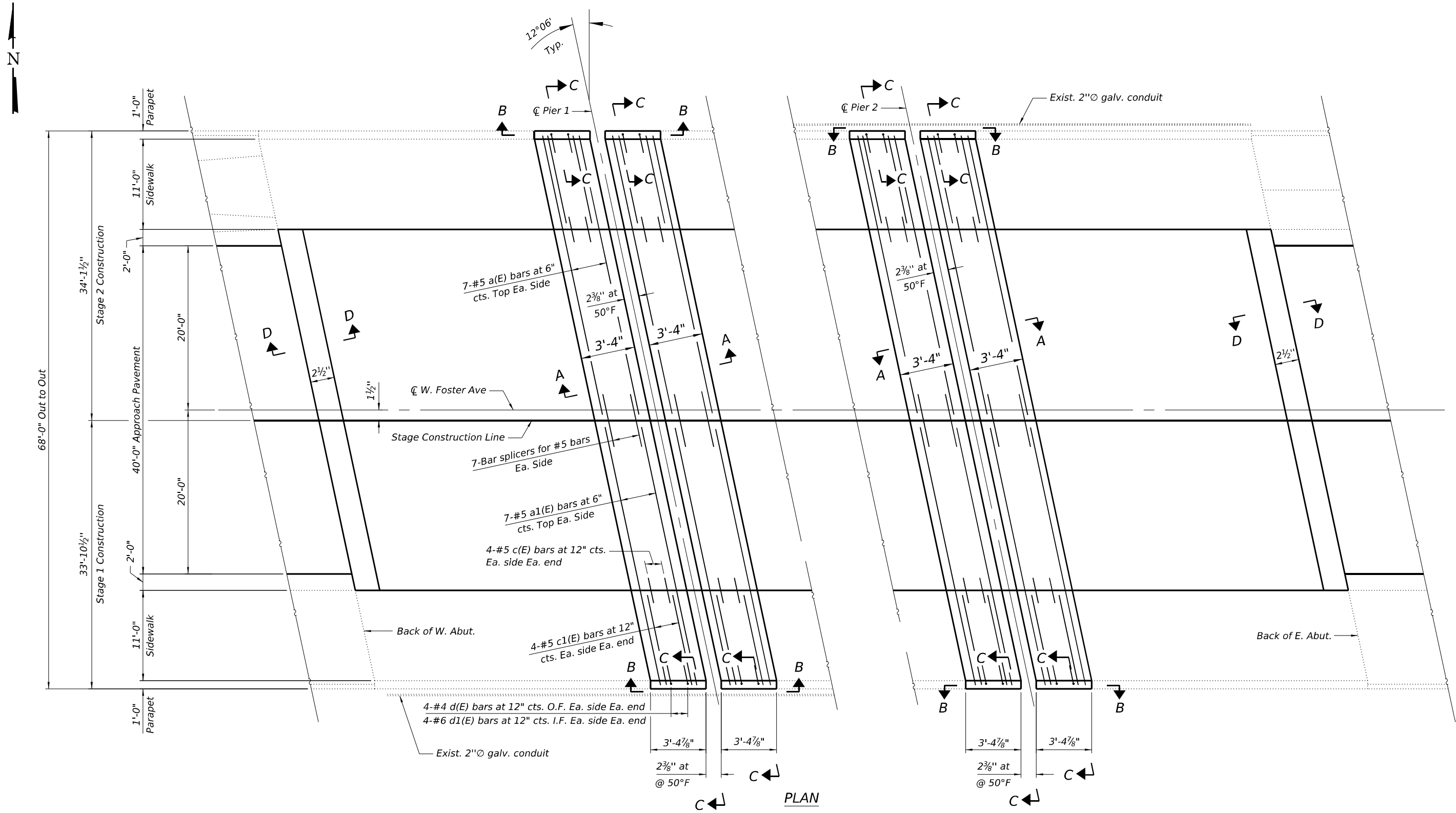
NOTE

1. For Sections A-A thru D-D, see Sheet 8 of 17.

LEGEND

 Concrete Removal

<div></div> <div>INFRASTRUCTURE ENGINEERING INCORPORATED</div> <div>1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9599 www.infrastructure-eng.com</div>	USER NAME = TYU	DESIGNED - TY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK CONCRETE REMOVAL STRUCTURE NO. 016-0251	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 7/23/2025	CHECKED - PK	REVISED -			ILLINOIS FED. AID PROJECT				
	SHEET 7 OF 17 SHEETS									



NOTES

- For Sections A-A thru C-C, see Sheet 10 of 17.
- For Sections D-D, bar bending details and bill of material, see Sheet 11 of 17.

Ea. = Each
O.F. = Outside Face
I.F. = Inside Face
T&B = Top and Bottom

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PLOT DATE: 7/25/2025

<div></div> <div>INFRASTRUCTURE ENGINEERING INCORPORATED</div> <div>1 South Wacker Suite 2650 Chicago, IL 60606 P 312.425.9598 F 312.425.9599 www.infrastructure-eng.com</div>	USER NAME = TYU	DESIGNED - TY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DECK CONCRETE ALTERATIONS STRUCTURE NO. 016-0251	SHEET 9 OF 17 SHEETS	F.A.U. RTE. 1360	SECTION (21B-NRM-4) BR 25	COUNTY COOK	TOTAL SHEETS 36	SHEET NO. 18
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	PLOT DATE = 7/25/2025	CHECKED - PK	REVISED -				ILLINOIS FED. AID PROJECT				

SECTION A-A

(Dimensions are at right to \mathbb{C} of piers)

* Prior to grinding

SECTION C-C

(Dimensions are at right angle to C roadway)

* Prior to grinding

SECTION B-B

** Dimensions measured along the back face of parapets



(FOR SKEWS $\leq 30^\circ$)

(FOR SKEWS > 30°)

PLAN AT RAISED SIDEWALK

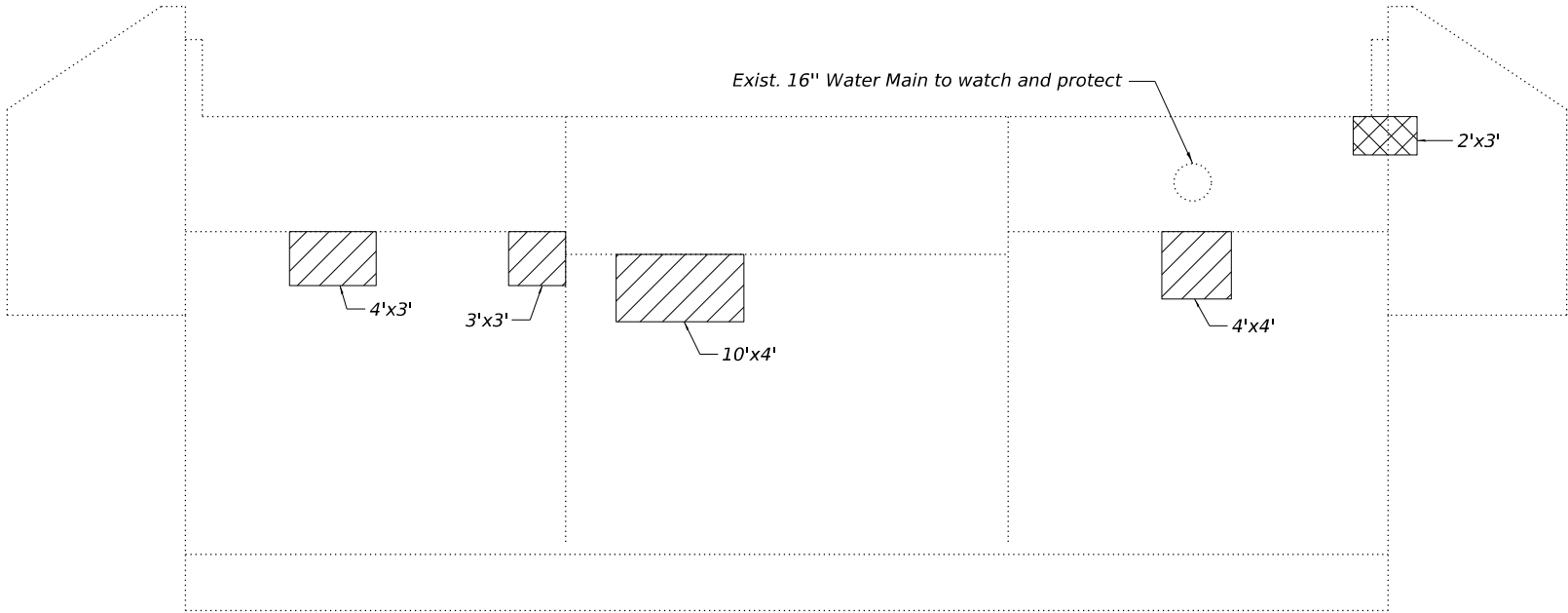


EJ-SS-S

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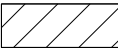
<div><div></div><div>INFRASTRUCTURE ENGINEERING INCORPORATED</div><div>1 South Wacker Suite 2550 Chicago, IL 60606 P 312.425.9550 F 312.425.9584 www.infrastructure-eng.com</div></div>	USER NAME = ALane	DESIGNED - TY	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PREFORMED JOINT STRIP SEAL – SIDEWALK (SHEET 2 OF 2) STRUCTURE NO. 016-0251	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEET	SHEET NO.
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	SHEET 14 OF 17 SHEETS									

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ABUTMENT REPAIR.dgn



WEST ABUTMENT EAST ELEVATION
(Looking West)

LEGEND



Structural Repair Of Concrete
(Depth Equal To Or Less Than 5 Inches)

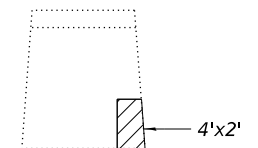


Structural Repair Of Concrete
(Depth Greater Than 5 Inches)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
* Graffiti Removal	Sq Yd	55
Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	77
Structural Repair Of Concrete (Depth Greater Than 5 Inches)	Sq Ft	6

* 46 sq yd at front face of West Abutment & 9 sq yd at front face of East Abutment



PIER 1 WEST FACE
(Looking East)

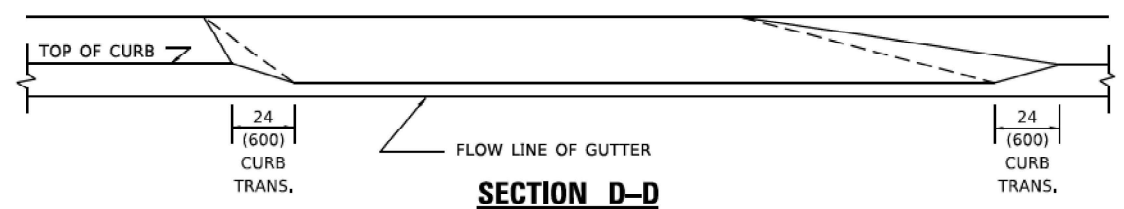
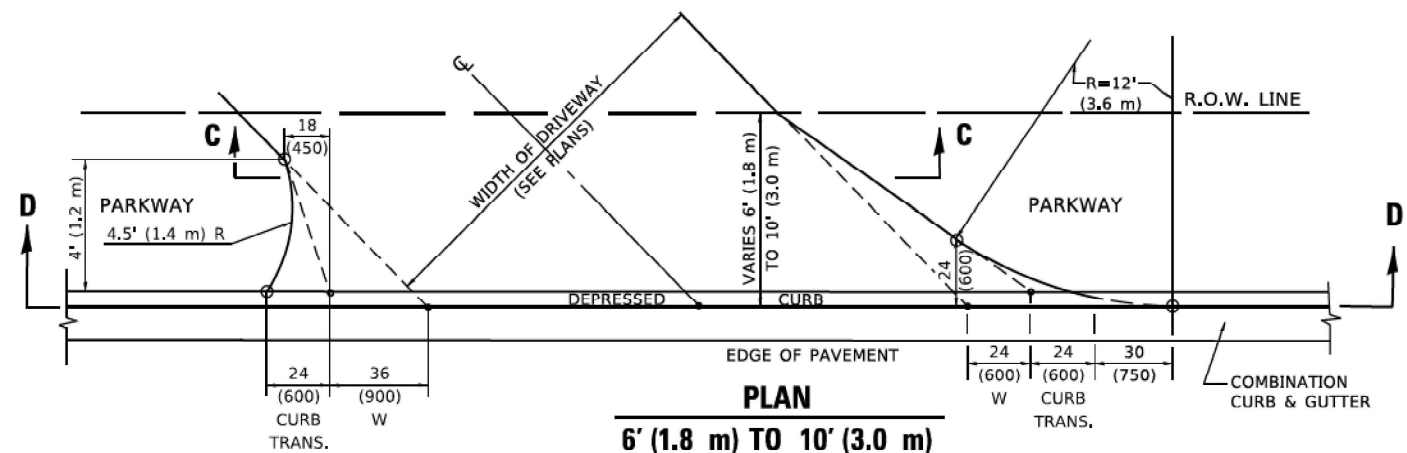
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*

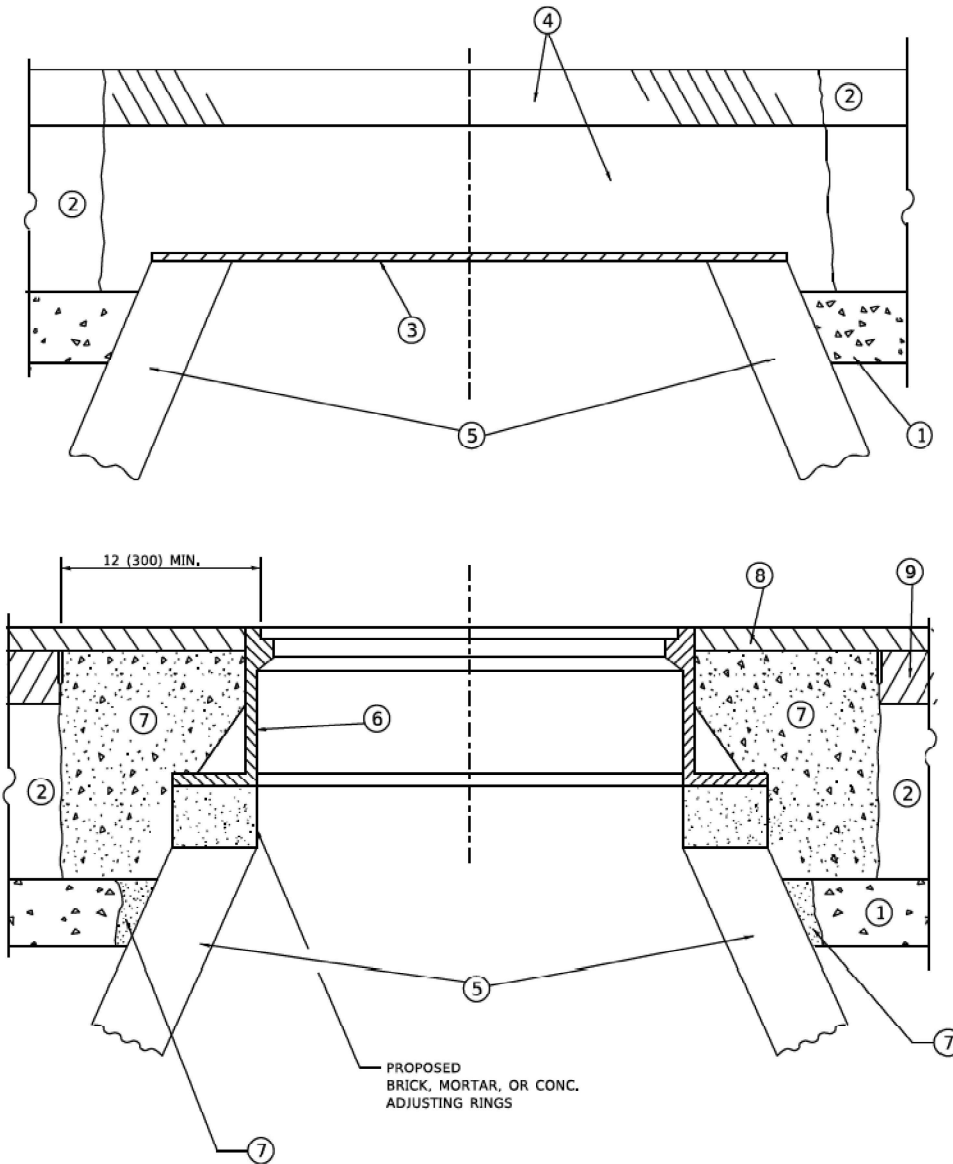
	<i>Span 1 Pier 1</i>
$R_{DL}(k)$	33.5
$R_{LL}(k)$	49.0
$Imp(k)$	14.7
$R_{Total}(k)$	97.2

	ITEM	UNIT	TOTAL
**	Graffiti Removal	Sq Yd	114
	Structural Repair Of Concrete (Depth Equal To Or Less Than 5 Inches)	Sq Ft	38
	Temporary Shoring and Cribbing	Each	1

MODEL: Default
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FILE NAME: P:\2025\250101\250101.DWG	USER NAME = Lawrence.DeManche	DESIGNED = R. SWAN	REVISED = R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN =	REVISED = R. BORO 09-06-11		DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5m)				1360	(21B-NRM-4) BR 25	COOK	36	27
	PLOT SCALE = 100,0000' / In.	CHECKED =	REVISED = K. SMITH 08-27-19						BD400-02 (BD-02)		CONTRACT NO. 62Y12		
	PLOT DATE = 11/18/2022	DATE = 11-06-95	REVISED = K. SMITH 11-18-22		SCALE: NONE	SHEET 1	OF 1	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT	



**DETAILS FOR FRAMES AND LIDS ADJUSTMENT
WITH MILLING**

NOTES

- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.
- CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE ALL TRAFFIC CONTROL DEVICES BY THE END OF EACH WORK SHIFT.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- BACKFILL WITH CRUSHED STONE AND HMA SURFACE MIX APPROVED BY THE ENGINEER. (MIN. 3 (80) HMA TO REMAIN AFTER MILLING).

STAGE 2 (AFTER PAVEMENT MILLING)

- REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-2* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- | | |
|--|-------------------------------|
| ① SUB-BASE GRANULAR MATERIAL | ⑥ FRAME AND LID (SEE NOTES) |
| ② EXISTING PAVEMENT | ⑦ CLASS PP-2* CONCRETE |
| ③ 36 (900) DIAMETER METAL PLATE | ⑧ PROPOSED HMA SURFACE COURSE |
| ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX | ⑨ PROPOSED HMA BINDER COURSE |
| ⑤ EXISTING STRUCTURE | |

LOCATION OF STRUCTURES

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT

- REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."
- THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.
- NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.
- WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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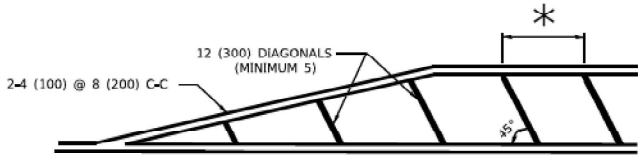
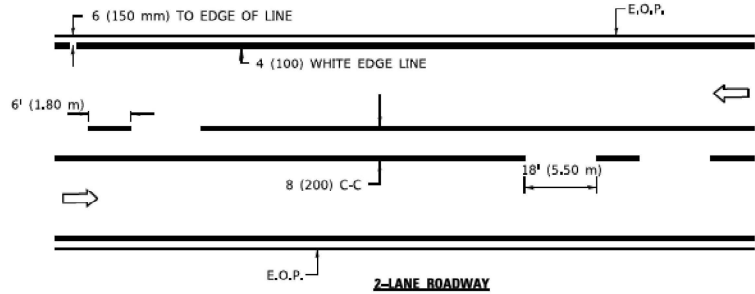
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	DRAWN -	REVISED - R. BORO 12-06-11
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PLOT DATE = 9/15/2023	DATE - 10-25-94	REVISED - K. SMITH 09-15-23

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

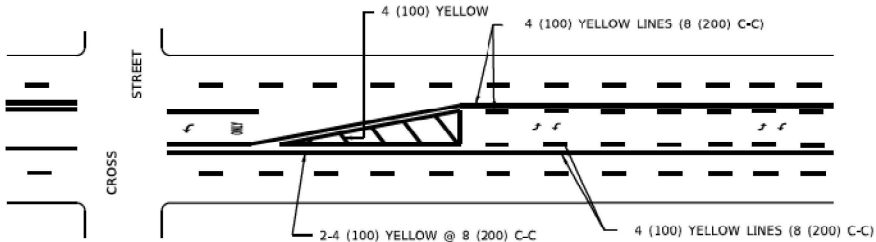
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BD600-03 (BD-08)		CONTRACT NO. 62Y12		
ILLINOIS		FED. AID PROJECT		



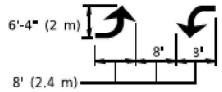
* FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

* DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

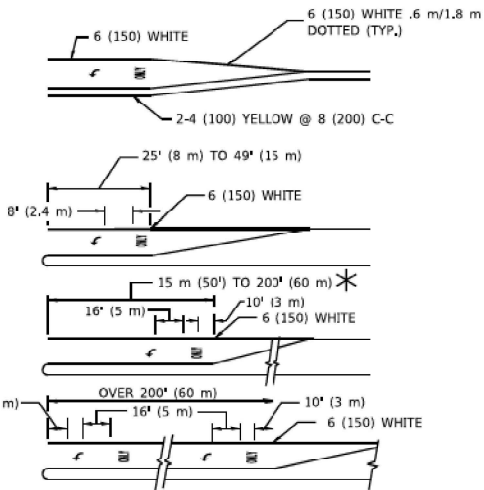


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

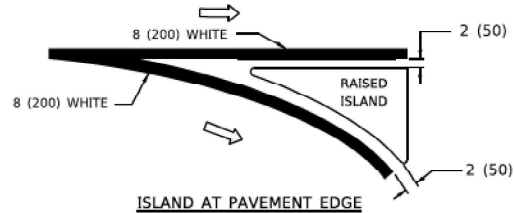
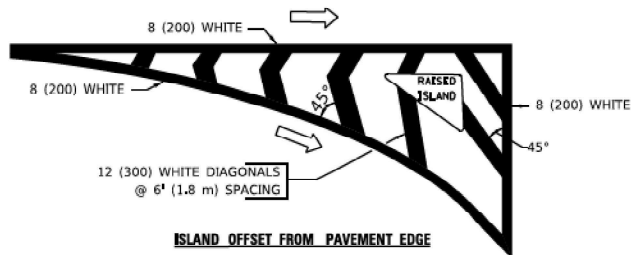


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.8 SQ. FT. (1.47 m²) ONLY AREA = 22.9 SQ. FT. (2.13 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - *ONLY* INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - *ONLY*.

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



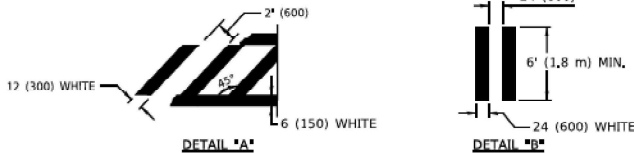
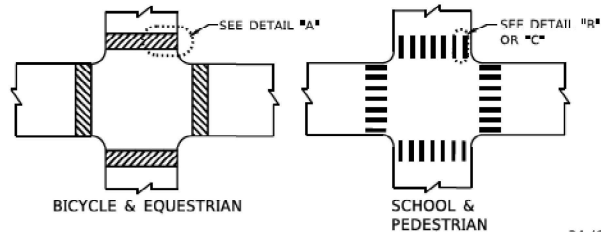
TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

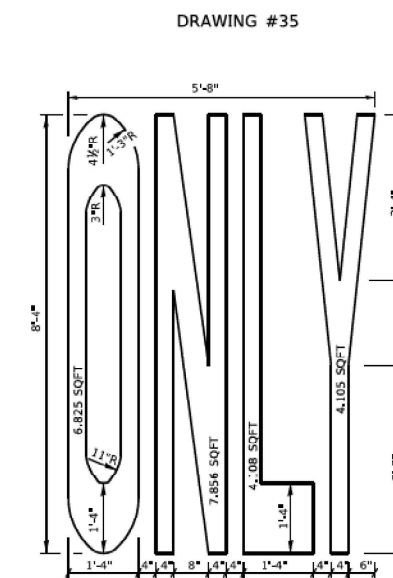
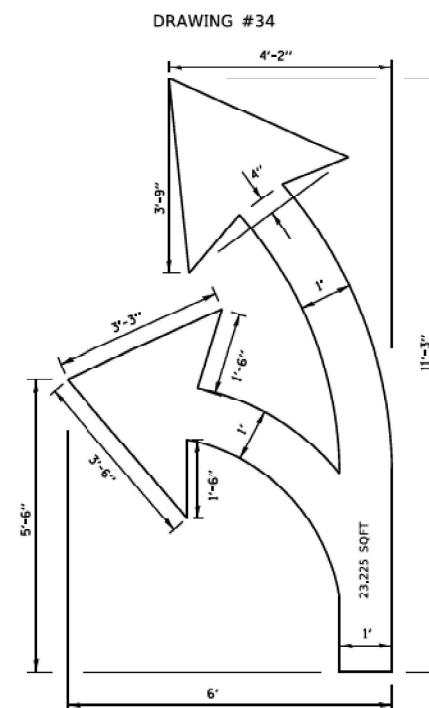
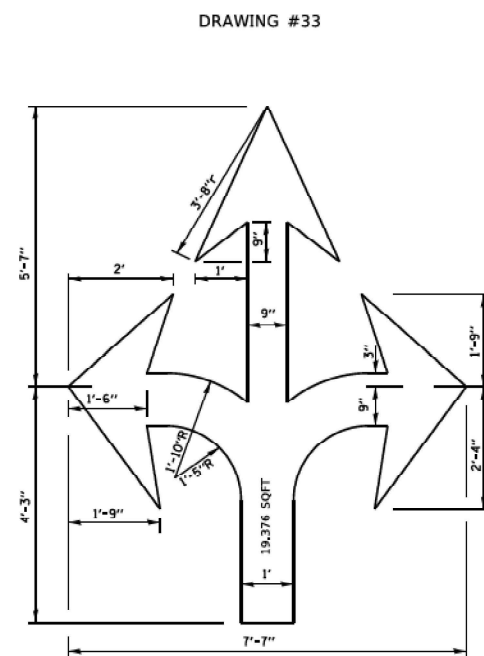
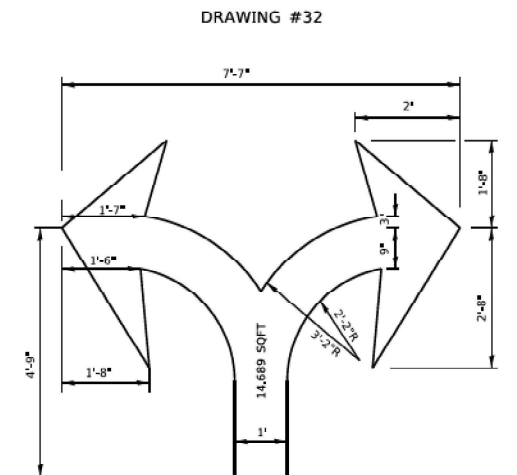
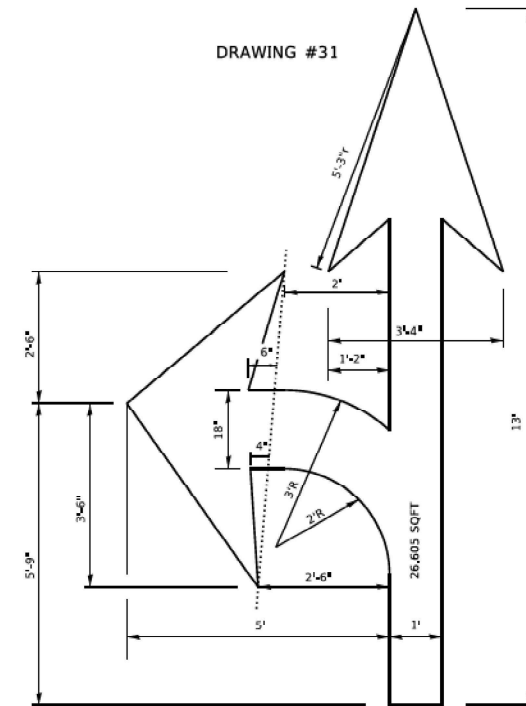
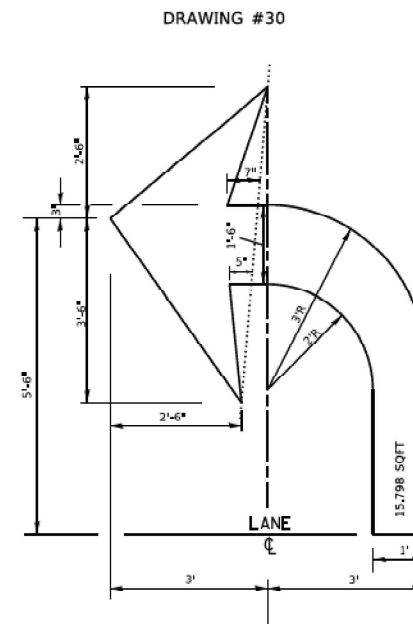
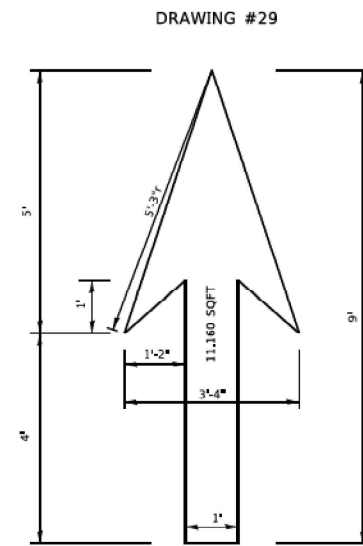
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PLOT DATE	= 3/4/2019	DATE	-	REVISED	-

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA.

F. A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	(21B-NRM-4) BR 25	COOK	36	33
TC-24		CONTRACT NO. 62Y12		
ILLINOIS		FED. AID PROJECT		



NOTE:

ALL MARKINGS SHALL BE
SOLID WHITE UNLESS
OTHERWISE NOTED IN THE
PLANS

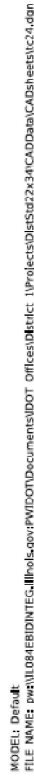
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

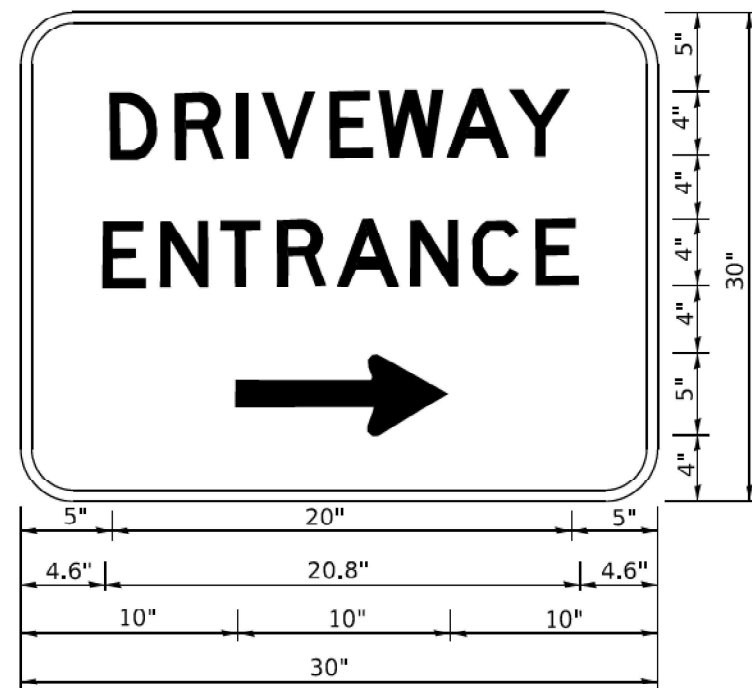
CITY OF CHICAGO
TYPICAL PAVEMENT MARKINGS

SCALE: NONE	SHEET 2 OF 3 SHEETS	STA. TO STA.
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F. A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	(21B-NRM-4) BR 25	COOK	36	34
TC-24		CONTRACT NO. 62Y12		
	ILLINOIS	FED. AID PROJECT		



hr24.doc 3/4/2019 10:56:02 AM | Unpublished



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
"DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
PLACED BACK-TO-BACK: ONE WITH A RIGHT HAND ARROW (SHOWN)
SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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Sheet: 1100
Title: 1100.dgn
User: jrc
Date: 02-15-07
Scale: 1/8" = 1'-0"
Plot Date: 8/6/2021

USER NAME	leisa	DESIGNED	-	REVISED	-	C. JUCIUS 02-15-07
PLOT SCALE	1/8" = 1'-0"	DRAWN	-	REVISED	-	
PLOT DATE	8/6/2021	CHECKED	-	REVISED	-	
		DATE	-	REVISED	-	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY ENTRANCE SIGNING

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F. A. U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1360	(21B-NRM-4) BR 25	COOK	36	36
TC-26		CONTRACT NO. 62Y12		
		ILLINOIS	FED. AID PROJECT	