FOR INDEX OF SHEETS AND HIGHWAY STANDARDS, SEE SHEET NO. G-3

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	1
		ILLINOIS CONTRACT NO. 62K62		

1

* 250 + 2 = 252 TOTAL SHEETS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

01-16-2026 LETTING ITEM 021

CENTRAL PARK AVENUE
FUNCTIONAL CLASSIFICATION
MAJOR COLLECTOR
2022 ADT = 8,450
TRUCKS = 5.0%
DESIGN SPEED = 30 MPH
POSTED SPEED = 30 MPH

INTERSTATE 290 (EISENHOWER)
FUNCTIONAL CLASSIFICATION
INTERSTATE
2022 ADT = 199,700
TRUCKS = 4.0%
DESIGN SPEED = 55 MPH
POSTED SPEED = 55 MPH

PROPOSED HIGHWAY PLANS

FAI 290 (INTERSTATE 290)
AT CENTRAL PARK AVENUE
SECTION: 2019-189-BR
PROJECT NHPP-G73E(408)
BRIDGE REPLACEMENT
COOK COUNTY

D-91-359-20

LOCATION OF SECTION INDICATED THUS: -

DBS DB STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

Jacobs

PARSONS

SINGH
SINGH + ASSOCIATES, INC.
CONSULTING ENGINEERS

END IMPROVEMENTS
STA. 606+27.00

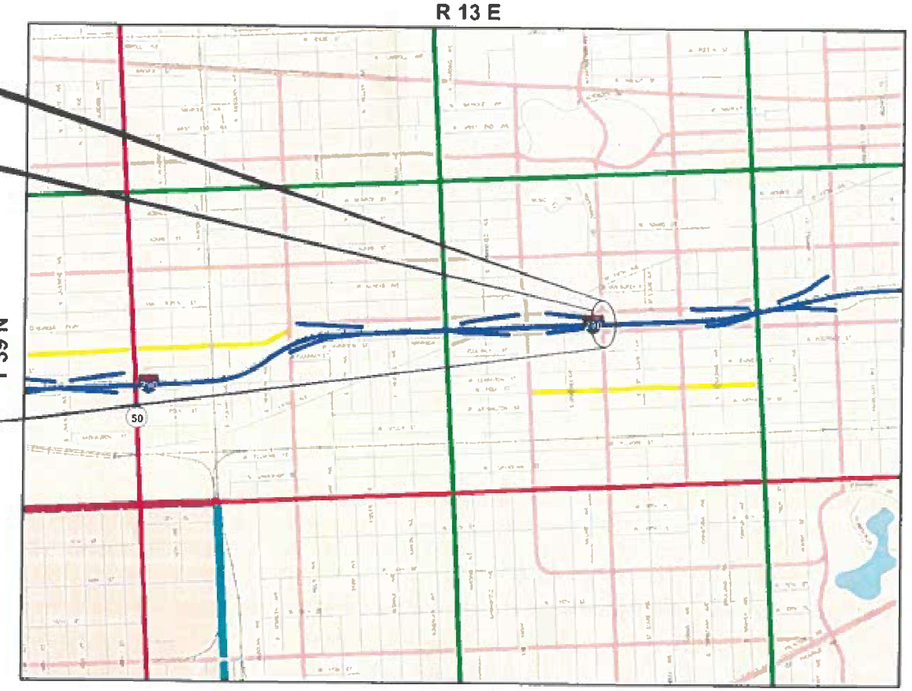
BRIDGE REPLACEMENT
CENTRAL PARK AVE OVER I-290
STA. 602+68.93 TO STA. 605+14.18
PROP. S.N. 016-2091
EXIST. S.N. 016-2072

BEGIN IMPROVEMENTS
STA. 601+47.38

R 13 E

T 39 N

N



LOCATION MAP
(NOT TO SCALE)

GROSS LENGTH = 479.62 FT. = 0.0908 MILE
NET LENGTH = 479.62 FT. = 0.0908 MILE

PROJECT LOCATED IN THE CITY OF CHICAGO

0 100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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

MEADE ELECTRIC CO. DISTRICT ONE MAINTENANCE CONTRACTOR LOCATES IDOT ELECTRICAL EQUIPMENT AND UNDERGROUND CABLES (773) 287-7672

Before you dig in Chicago call 811 Chicago

D.I.G.G.E.R.
312-744-7000

PROJECT MANAGER: PRAVEEN KAINI, PE (847) 705-4237

CONTRACT NO. 62K62

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED September 22 20 25
REGIONAL ENGINEER

December 5 20 25
ENGINEER OF DESIGN AND ENVIRONMENT

December 5 20 25
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

1 REVISED SHEET 1/2/2026

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FINAL SUBMITTAL REV-SEP

FINAL

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1 REVISED SHEET 1/2/2026

FILE NAME: \\cskM-dbstepw21\CS_pdf_work_dir\10395420_6D62K62-G003-Index.dgn

DBS STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

USER NAME = icsM-dbstepw21$	DESIGNED - HJM	REVISED - 1 12/19/2025 DJB	
PLOT SCALE = 0.16666667 ' / in.	DRAWN - OM	REVISED -	
PLOT DATE = 12/15/2025	CHECKED - HJM	REVISED -	
PLOT TIME = 11:09:58 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF DRAWINGS

SCALE: | SHEET NO. G-3 OF G-24 SHEETS | STA. 00+000 TO STA. 00+000

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	3
		CONTRACT NO. 62K62		
		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 90% FED 10% STATE ROADWAY 0010 URBAN	90% FED 10% STATE BRIDGE 0010 016-2091	90% FED 10% STATE UTILITY 0010 URBAN	90% FED 10% STATE IDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT TRAFFIC SIGNALS 0021 URBAN
50157300	PROTECTIVE SHIELD	SQ YD	1,602		1,602				
50200100	STRUCTURE EXCAVATION	CU YD	4,835.4		4,835.4				
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	1,208.9		1,208.9				
50300225	CONCRETE STRUCTURES	CU YD	1,482.9		1,482.9				
50300255	CONCRETE SUPERSTRUCTURE	CU YD	654.9		654.9				
50300260	BRIDGE DECK GROOVING	SQ YD	1,340.0		1,340.0				
50300285	FORM LINER TEXTURED SURFACE	SQ FT	2,832		2,832				
50300300	PROTECTIVE COAT	SQ YD	442		442				
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	286		286				
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1				
50500505	STUD SHEAR CONNECTORS	EACH	11,360		11,360				
50800105	REINFORCEMENT BARS	POUND	58,480		58,480				
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	399,400		399,400	1			
50901730	BRIDGE FENCE RAILING	FOOT	188		188				

* SPECIALTY ITEMS

1 REVISED SHEET 1/2/2026

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 90% FED 10% STATE ROADWAY 0010 URBAN	90% FED 10% STATE BRIDGE 0010 016-2091	90% FED 10% STATE UTILITY 0010 URBAN	90% FED 10% STATE IDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT TRAFFIC SIGNALS 0021 URBAN
	50901739	BRIDGE FENCE RAILING, CURVED	FOOT	489		489				
	51100100	SLOPE WALL 4 INCH	SQ YD	333		333				
*	51201600	FURNISHING STEEL PILES HP12X53	FOOT	9,950		9,950				
*	51202305	DRIVING PILES	FOOT	9,950		9,950				
*	51203600	TEST PILE STEEL HP12X53	EACH	2		2				
*	51204650	PILE SHOES	EACH	199		199				
*	51500100	NAME PLATES	EACH	1		1				
*	51602000	PERMANENT CASING	FOOT	936		936				
*	51603000	DRILLED SHAFT IN SOIL	CU YD	170		170				
*	51604000	DRILLED SHAFT IN ROCK	CU YD	8		8				
*	52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	30		30				
*	52100520	ANCHOR BOLTS, 1"	EACH	80		80				
	52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	14,233		14,233				
	55100500	STORM SEWER REMOVAL 12"	FOOT	235			235			

* SPECIALTY ITEMS

1 REVISED SHEET 1/2/2026

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 90% FED 10% STATE ROADWAY 0010 URBAN	90% FED 10% STATE BRIDGE 0010 016-2091	90% FED 10% STATE UTILITY 0010 URBAN	90% FED 10% STATE IDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT TRAFFIC SIGNALS 0021 URBAN
	55100700	STORM SEWER REMOVAL 15"	FOOT	43			43			
	56103300	DUCTILE IRON WATER MAIN 12"	FOOT	100			100	1		
	58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	3,880		3,880				
	56109404	DUCTILE IRON WATER MAIN FITTINGS 12" 11. 25 DEGREE BEND	EACH	2			2	1		
	58700300	CONCRETE SEALER	SQ FT	9,656		9,656				
	56109412	DUCTILE IRON WATER MAIN FITTINGS 12" 22. 50 DEGREE BEND	EACH	1			1	1		
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	615		615				
	56109424	DUCTILE IRON WATER MAIN FITTINGS 12" 45.00 DEGREE BEND	EACH	3			3	1		
	60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	587			587			
	56109438	DUCTILE IRON WATER MAIN FITTINGS 12" 90.00 DEGREE BEND	EACH	4			4	1		
	60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	305		305				
	60200305	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2			2			
	60206602	CATCH BASINS, TYPE B, TYPE 8 GRATE	EACH	2			2			
	60250200	CATCH BASINS TO BE ADJUSTED	EACH	8			8			
**	60255410	CATCH BASINS TO BE CLEANED	EACH	8			8			
	60255500	MANHOLES TO BE ADJUSTED	EACH	13			13			
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	7			7			
	60500040	REMOVING MANHOLES	EACH	1			1			
	60500050	REMOVING CATCH BASINS	EACH	8			8			

* SPECIALTY ITEMS
** NOT ELIGIBLE FOR FEDERAL FUNDING, 100% STATE FUNDED

1 REVISED SHEET 1/2/2026

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 90% FED 10% STATE ROADWAY 0010 URBAN	90% FED 10% STATE BRIDGE 0010 016-2091	90% FED 10% STATE UTILITY 0010 URBAN	90% FED 10% STATE IDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT TRAFFIC SIGNALS 0021 URBAN
	70400125	PINNING TEMPORARY CONCRETE BARRIER	EACH	255	255	1				
	70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1,375	1,375					
	70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2					
	70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2					
	70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	4	4					
	70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4					
*	72000100	SIGN PANEL - TYPE 1	SQ FT	113	113					
*	72000300	SIGN PANEL - TYPE 3	SQ FT	201	201					
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	17	17					
*	72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	11	11					
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	48	48					
*	72900200	METAL POST - TYPE B	FOOT	68	68					
*	73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	4	4					
*	73304000	OVERHEAD SIGN STRUCTURE - BRIDGE MOUNTED	FOOT	19	19					

* SPECIALTY ITEMS

1 REVISED SHEET 1/2/2026

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 90% FED 10% STATE ROADWAY 0010 URBAN	90% FED 10% STATE BRIDGE 0010 016-2091	90% FED 10% STATE UTILITY 0010 URBAN	90% FED 10% STATE IDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT TRAFFIC SIGNALS 0021 URBAN
*	X1700001	DRILL EXISTING MANHOLE, HEAVY DUTY HANDHOLE, OR MEDIAN WALL JUNCTION BOX	EACH	20					9	11
	X2080251	TRENCH AND BACKFILL WITH SCREENINGS	FOOT	2,410						2,410
	X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	50			50			
	X4240116	TEMPORARY SIDEWALK RAMP	EACH	22	22					
*	X4240800	DETECTABLE WARNINGS (SPECIAL)	SQ FT	193	193					
	X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	527	527					
*	X5080530	BAR TERMINATORS	EACH	444		444				
*	X5120013	PILE REMOVAL	EACH	45		45				
	X5504000	STORM SEWER, DUCTILE IRON PIPE, TYPE 2, 8 INCH	FOOT	43			43			
	X5610712	WATER MAIN REMOVAL 12"	FOOT	100			100	1		
	X6022505	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	EACH	3			3			
	X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	4			4	1		
	X6060045	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12 (CDOT)	FOOT	1,019	1,019					
	X6640104	FENCE REMOVAL	FOOT	824	824					
	X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	18	18					
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1					

* SPECIALTY ITEMS

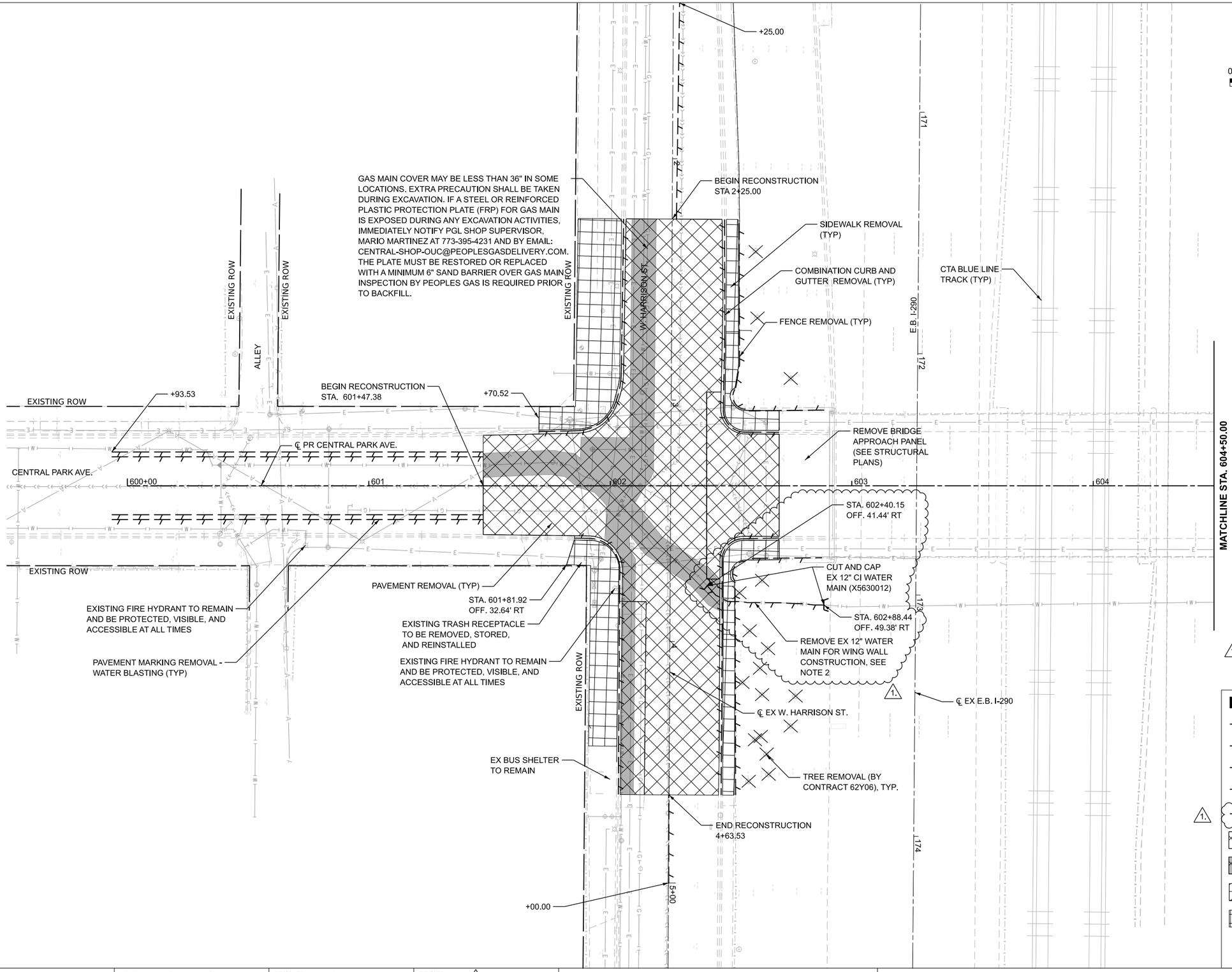
1 REVISED SHEET 1/2/2026

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE 90% FED 10% STATE ROADWAY 0010 URBAN	90% FED 10% STATE BRIDGE 0010 016-2091	90% FED 10% STATE UTILITY 0010 URBAN	90% FED 10% STATE IDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT LIGHTING 0021 URBAN	90% FED 10% STATE CDOT TRAFFIC SIGNALS 0021 URBAN
*	Z0010614	CLEANING EXISTING MANHOLE OR HANDHOLE	EACH	1						1
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1					
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
	Z0067900	STEEL CASING 24"	FOOT	20			20	1		
*	X0933904	PVC CONDUIT IN TRENCH 3 1/2" (SCHEDULE #80)	FOOT	790					790	
Ø	Z0076600	TRAINEES	HOUR	1500	1500					
Ø	Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	1500	1500					

* SPECIALTY ITEMS

1 REVISED SHEET 1/2/2026

Ø 0042



NOTES:
1. PAVEMENT REMOVAL ABOVE EXISTING CAST IRON WATER MAIN TO BE PAID FOR AS PAVEMENT REMOVAL (SPECIAL).
2. WATER MAIN SHOWN FOR REMOVAL TO BE REPLACED AFTER WING WALL CONSTRUCTION. SEE PROPOSED WATER MAIN PLANS FOR DETAILS.

1 REVISED SHEET 1/2/2026

LEGEND

- COMBINATION CURB AND GUTTER REMOVAL (44000500)
- CONCRETE BARRIER REMOVAL (44001980)
- FENCE REMOVAL (Z0022800)
- PAVEMENT MARKING REMOVAL - WATER BLASTING (78300202)
- 1. WATER MAIN REMOVAL, 12" (X5610712)
- PAVEMENT REMOVAL (44000100)
- PAVEMENT REMOVAL (SPECIAL) (X4404400)
- PAVED SHOULDER REMOVAL (44004250)
- SIDEWALK REMOVAL (44000600)
- R ITEM REMOVAL

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Jacobs

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PLOT DATE = 12/19/2025	CHECKED - KRW	REVISED -	
PLOT TIME = 4:13:52 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

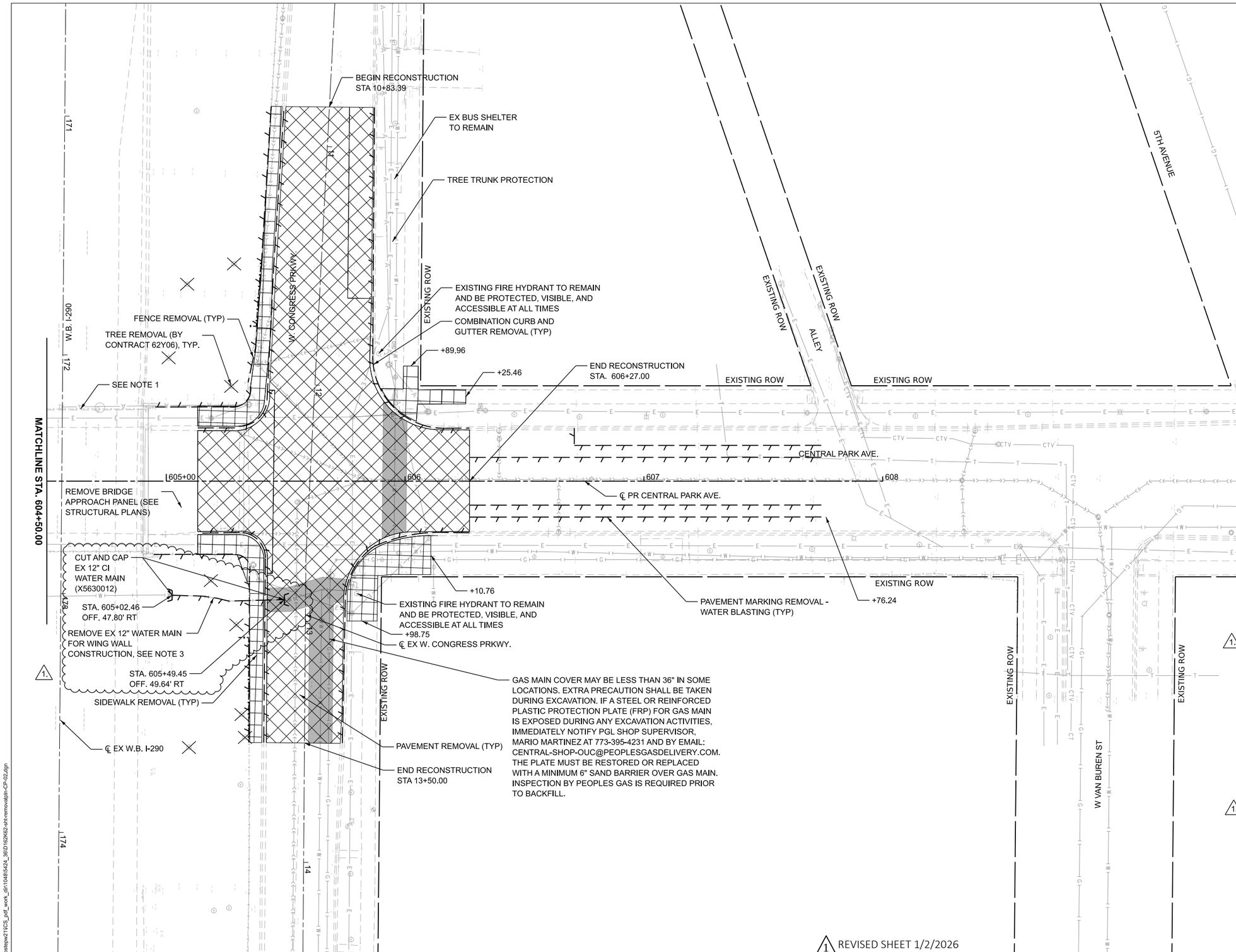
REMOVAL PLAN - CENTRAL PARK AVENUE @ W HARRISON STREET

SCALE: 1" = 20' | SHEET NO. C-8 OF C-102 SHEETS | BEGIN TO STA. 604+50.00

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	32

CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT



NOTES:

1. EXISTING ILLINOIS STATE POLICE (ISP) LICENSE PLATE READER (LPR), POWER FEED, RISER, AND ASSOCIATED HARDWARE AND APPURTENANCES TO BE REMOVED BY THE ISP CONTRACTOR. THE REMOVAL OF THE EXISTING ISP EQUIPMENT SHALL BE COORDINATED WITH THE STAGED BRIDGE REPLACEMENT. THE CONTRACTOR SHALL COORDINATE THE REMOVAL OF EXISTING CDOT LIGHTING/TRAFFIC SIGNAL EQUIPMENT AND STRUCTURE/ACCESS GATE WITH THE ISP CONTRACTOR.
2. PAVEMENT REMOVAL ABOVE EXISTING WATER MAIN TO BE PAID FOR AS PAVEMENT REMOVAL (SPECIAL).
3. WATER MAIN SHOWN FOR REMOVAL TO BE REPLACED AFTER WING WALL CONSTRUCTION. SEE PROPOSED WATER MAIN PLANS FOR DETAILS. (1.)

LEGEND

- COMBINATION CURB AND GUTTER REMOVAL (44000500)
- CONCRETE BARRIER REMOVAL (44001980)
- FENCE REMOVAL (Z0022800)
- PAVEMENT MARKING REMOVAL - WATER BLASTING (78300202)
- (1.) WATER MAIN REMOVAL, 12" (X5610712)
- PAVEMENT REMOVAL (44000100)
- PAVEMENT REMOVAL (SPECIAL) (X4404400)
- PAVED SHOULDER REMOVAL (44004250)
- SIDEWALK REMOVAL (44000600)
- R ITEM REMOVAL

(1) REVISED SHEET 1/2/2026

FILE NAME: \\icsM-dbstepw21\ICS_pdf_work_dir\1048\9424_36\D162K62-sht-removalplh-CP-02.dgn

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PLOT TIME = 5:14:00 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REMOVAL PLAN - CENTRAL PARK AVENUE @ W CONGRESS PARKWAY

SCALE: 1" = 20' | SHEET NO. C-9 OF C-102 SHEETS | STA. 604+50.00 TO END

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	33

CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT

SUGGESTED STAGING AND MAINTENANCE OF TRAFFIC

DETOUR

THIS IS A COMPLETE BRIDGE CLOSURE. CENTRAL PARK AVE TRAFFIC WILL BE DETOURED AS FOLLOWS:

NORTHBOUND S CENTRAL PARK AVE TO EASTBOUND W ROOSEVELT RD TO NORTHBOUND S HOMAN AVE TO WESTBOUND W MADISON ST TO NORTHBOUND S CENTRAL PARK AVE.

SOUTHBOUND S CENTRAL PARK AVE TO EASTBOUND W MADISON ST TO SOUTHBOUND S HOMAN AVE TO WESTBOUND W ROOSEVELT RD TO SOUTHBOUND S CENTRAL PARK AVE.

PRE STAGE

WORK PERFORMED: SUPERSTRUCTURE REMOVAL

MAINTENANCE OF TRAFFIC ALONG I-290
THIS WORK WILL BE ACCOMPLISHED WITH NO IMPACTS TO DAYTIME TRAFFIC; TRAFFIC WILL REMAIN IN ITS NORMAL CONFIGURATION. INTERMITTENT NIGHTTIME PARTIAL AND FULL CLOSURES WILL BE NECESSARY FOR PROTECTIVE SHIELD PLACEMENT, DECK DEMOLITION, AND DECK AND BEAM REMOVAL.

STAGE 1

WORK PERFORMED: ABUTMENT DEMOLITION AND RECONSTRUCTION; EXISTING WATER MAIN CUT, CAP, AND REMOVAL FOR WING WALL CONSTRUCTION; WING WALL CONSTRUCTION; OUTSIDE SHOULDER/AUXILIARY LANE REPLACEMENT AND ADJACENT CURB & GUTTER REPLACEMENT 1.

MAINTENANCE OF TRAFFIC ALONG I-290
RIGHT SHOULDERS WILL BE CLOSED. TRAFFIC LANES ON BOTH EASTBOUND AND WESTBOUND I-290 WILL BE SHIFTED TO THE LEFT AND REDUCED FROM 12' TO 11' WIDTH. THE LEFT SHOULDERS WILL REMAIN IN THEIR NORMAL CONFIGURATION. IT IS RECOMMENDED THAT THE TEMPORARY CONCRETE BARRIER BE RELOCATED FROM THE EDGE OF THE SHOULDER TO THE EDGE OF THE WORK ZONE DURING ACTIVE DEMOLITION WORK TO PREVENT DEBRIS FROM ENTERING THE TRAFFIC LANES.

STAGE 2

WORK PERFORMED: PIER REMOVAL AND REPLACEMENT; INSIDE SHOULDER AND HALF LANE REPLACEMENT; SUPERSTRUCTURE REPLACEMENT

MAINTENANCE OF TRAFFIC ALONG I-290
PIER AND INSIDE SHOULDER AND LANE CONSTRUCTION:
THE LEFT SHOULDERS AND HALF THE INSIDE LANE (LANE 1) WILL BE REPLACED WITH NEW FULL DEPTH PAVEMENT. LANES WILL BE SHIFTED TO THE RIGHT AND NARROWED TO FOUR 11' LANES FOR BOTH EASTBOUND WESTBOUND I-290 TO CREATE A WORK ZONE ON THE LEFT SIDE OF THE ROADWAY. PIER CONSTRUCTION WILL BE UNDERTAKEN.

SUPERSTRUCTURE REPLACEMENT:
THIS WORK WILL BE ACCOMPLISHED WITH NO IMPACTS TO DAYTIME TRAFFIC; TRAFFIC WILL REMAIN IN THE SHIFTED AND NARROWED CONFIGURATION ESTABLISHED FOR PIER CONSTRUCTION. INTERMITTENT NIGHTTIME PARTIAL AND FULL CLOSURES WILL BE NECESSARY FOR PROTECTIVE SHIELD PLACEMENT, BEAM PLACEMENT, AND DECK CONSTRUCTION.

STAGE 3

WORK PERFORMED: SLOPEWALL CONSTRUCTION ADJACENT TO ABUTMENT AND I-290 EMBANKMENT FINAL GRADING

MAINTENANCE OF TRAFFIC ALONG I-290
RIGHT SHOULDERS WILL BE CLOSED. LANES WILL SHIFTED TO THE LEFT AND NARROWED TO FOUR 11' LANES FOR BOTH EASTBOUND AND WESTBOUND I-290 TO CREATE A WORK ZONE ON THE RIGHT SIDE OF THE ROADWAY.

STAGE 4

WORK PERFORMED: APPROACH SLAB CONSTRUCTION; ADA RAMPS, TRAFFIC SIGNALS, AND PAVEMENT AND CURB AND GUTTER REPLACEMENT AT CORNERS ADJACENT TO BRIDGE

MAINTENANCE OF TRAFFIC ON FRONTAGE ROADS
THE LEFT LANES ON W CONGRESS PARKWAY AND W HARRISON STREET WILL BE CLOSED AND TRAFFIC WILL BE SHIFTED TO THE RIGHT FOR THE CONSTRUCTION OF THE BRIDGE APPROACH SLABS, PAVEMENT, SIDEWALK, ADA RAMPS, TRAFFIC SIGNALS, DRAINAGE, AND CURB AND GUTTER AT THE SOUTH HALF OF THE INTERSECTION OF W CONGRESS PARKWAY AND S CENTRAL PARK AVE AND THE NORTH HALF OF THE INTERSECTION OF W HARRISON ST AND S CENTRAL PARK AVE. TO MINIMIZE THE DURATION OF THE CLOSURES, WORK PERFORMED SHALL BE PER STANDARD 701601 TO ACCOMMODATE TRAFFIC WHEN POSSIBLE.

STAGE 5

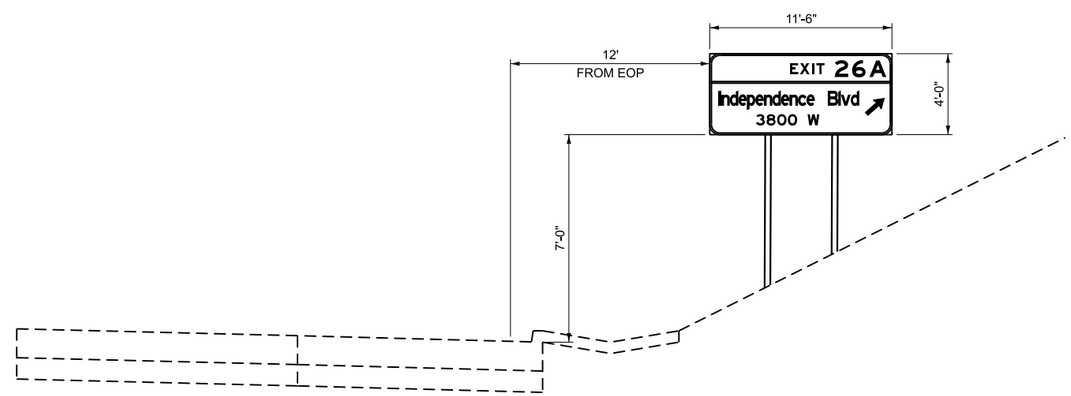
WORK PERFORMED: ADA RAMPS, TRAFFIC SIGNALS, AND PAVEMENT AND DRAINAGE CONSTRUCTION

MAINTENANCE OF TRAFFIC ON FRONTAGE ROADS
THE RIGHT LANES ON W CONGRESS PARKWAY AND W HARRISON STREET WILL BE CLOSED AND TRAFFIC WILL BE SHIFTED TO THE LEFT FOR THE CONSTRUCTION OF THE PAVEMENT, SIDEWALK, ADA RAMPS, TRAFFIC SIGNALS, DRAINAGE, AND CURB AND GUTTER AT THE NORTHEAST QUADRANT OF THE INTERSECTION OF W CONGRESS PARKWAY AND S CENTRAL PARK AVE AND THE SOUTHWEST QUADRANT OF THE INTERSECTION OF W HARRISON ST AND S CENTRAL PARK AVE. TO MINIMIZE THE DURATION OF THE CLOSURES, WORK PERFORMED SHALL BE PER STANDARD 701601 TO ACCOMMODATE TRAFFIC WHEN POSSIBLE.

STAGE 6

WORK PERFORMED: ADA RAMPS, TRAFFIC SIGNALS, AND PAVEMENT AND DRAINAGE CONSTRUCTION

MAINTENANCE OF TRAFFIC ON FRONTAGE ROADS
THE RIGHT LANES ON W CONGRESS PARKWAY AND W HARRISON STREET WILL BE CLOSED AND TRAFFIC WILL BE SHIFTED TO THE LEFT FOR THE CONSTRUCTION OF THE PAVEMENT, SIDEWALK, ADA RAMPS, TRAFFIC SIGNALS, DRAINAGE, AND CURB AND GUTTER AT THE NORTHWEST QUADRANT OF THE INTERSECTION OF W CONGRESS PARKWAY AND S CENTRAL PARK AVE AND THE SOUTHEAST QUADRANT OF THE INTERSECTION OF W HARRISON ST AND S CENTRAL PARK AVE. TO MINIMIZE THE DURATION OF THE CLOSURES, WORK PERFORMED SHALL BE PER STANDARD 701601 TO ACCOMMODATE TRAFFIC WHEN POSSIBLE.

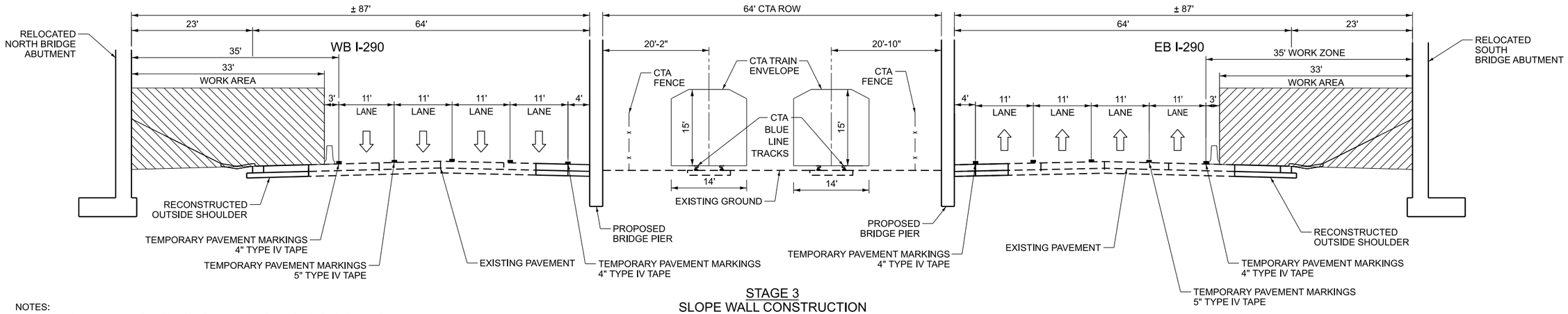


TEMPORARY SIGN
WB I-290 (LOOKING WEST)
STA 174+50

TEMPORARY SIGN NOTES

1. TEMPORARY SIGNAGE AND SIGN SUPPORTS TO BE PAID FOR UNDER PAY ITEM "TEMPORARY INFORMATION SIGNING"
2. WOOD SIGN SUPPORTS SHALL BE CRASH WORTHY

1 REVISED SHEET 1/2/2026



STAGE 3
SLOPE WALL CONSTRUCTION
(LOOKING EAST)

NOTES:
1. USE MULTI-LANE WEAVE ON DISTRICT ONE DETAIL TC-09 FOR SHIFTING LANES.
2. TEMPORARY PAVEMENT MARKINGS SHALL CONFORM TO DISTRICT ONE DETAIL TC-12.
3. SHOULDER CLOSURES SHALL CONFORM WITH THE PERMANENT SHOULDER CLOSURES DETAIL AS SHOWN ON DISTRICT 1 DETAIL STANDARD PLAN TC-17.

LOCATIONS FOR PINNING TEMPORARY CONCRETE BARRIER

STAGE NO.	DESCRIPTION / LOCATION	FROM STA.	TO STA.	LENGTH (FT)	NO. OF BARRIER SECTIONS	NO. OF PINS (EACH)
STAGE 1	EB I-290	170+48	173+85	337.0	27.0	81
STAGE 1	WB I-290	172+07	174+24	217.0	18.0	54
STAGE 2	EB I-290	172+12	172+96	84.0	7.0	21
STAGE 2	WB I-290	172+13	173+02	89.0	8.0	24
STAGE 1-3	HARRISON ST AT BRIDGE	2+96	4+62	165.5	14.0	42
STAGE 1-3	CONGRESS PKWY AT BRIDGE	12+19	13+50	131.0	11.0	33
					TOTAL	255

1.

NOTE: 3 PINS PER EACH BARRIER SECTION

LEGEND

- WORK AREA
- TEMPORARY CONCRETE BARRIER
- EXISTING PAVEMENT MARKING
- TEMPORARY PAVEMENT MARKING TYPE IV TAPE*

* NOTE: TEMPORARY PAVEMENT MARKING DURING WINTER STAGES SHALL BE MODIFIED URETHANE.

1 REVISED SHEET 1/2/2026

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DBS STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

USER NAME = icsM-dbstepw21$	DESIGNED - DDC	REVISED - 1 12/19/2025 HJM	
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAINTENANCE OF TRAFFIC
TYPICAL SECTIONS
I-290 AND CENTRAL PARK AVE

SCALE: | SHEET NO. C-23 OF C-102 SHEETS | STA. 00+000 TO STA. 00+000

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	47
		CONTRACT NO. 62K62		
	ILLINOIS	FED. AID PROJECT		

STAGING NOTES

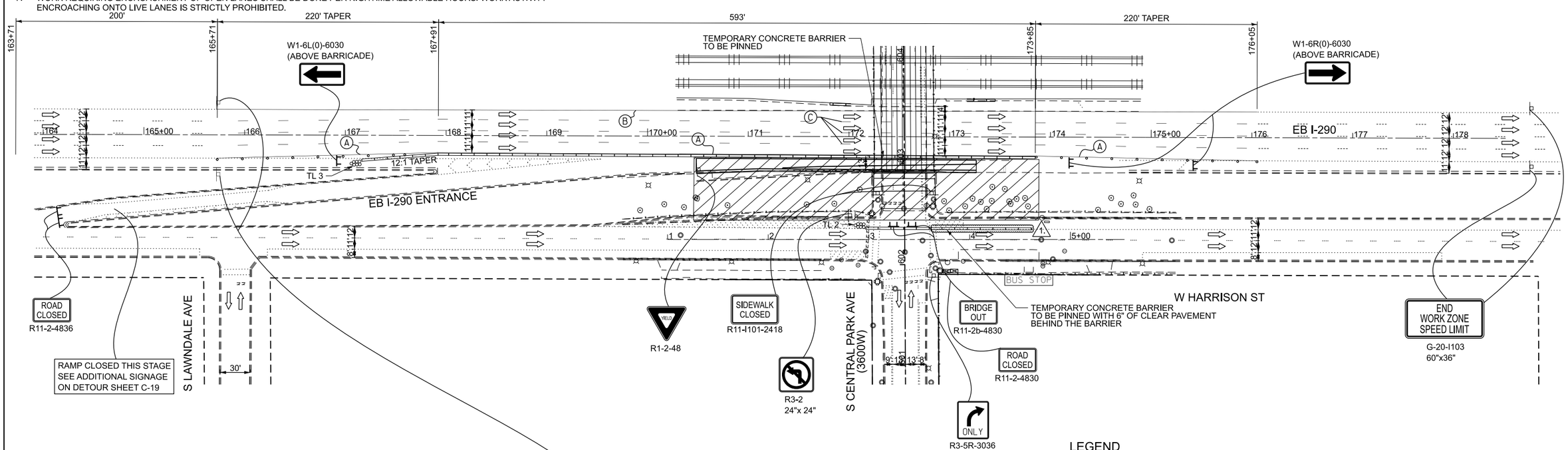
1. CENTRAL PARK AVE. WILL BE FULLY CLOSED AND VEHICULAR, BIKE, AND PEDESTRIAN TRAFFIC WILL BE DETOURED. SEE DETOUR PLAN SHEETS FOR DETAILED SIGNAGE FOR ALL ADJACENT ROADWAYS.
2. THESE PLANS ARE SUGGESTED MAINTENANCE OF TRAFFIC PLANS. THE CONTRACTOR IS REQUIRED TO SUBMIT MOT PLANS, AND CONSTRUCTION SEQUENCING DETAILS TO IDOT FOR REVIEW AND APPROVAL. ALL MAINTENANCE OF TRAFFIC CLOSURES SHALL BE IN ACCORDANCE WITH IDOT DISTRICT ONE SPECIAL PROVISION "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC."
3. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30M) IN LENGTH AT NIGHT.
4. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE WORK SITES WHEN:
   A. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN ONE HOUR PERIOD.
   B. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
5. THE FLAGGER SHALL BE STATIONED 500 FT IN ADVANCE OF OPENING WHERE CONTRACTOR'S VEHICLES ENTER AND EXIT THE WORK AREA.
6. RAISED REFLECTIVE PAVEMENT MARKERS WITHIN LIMITS OF PAVEMENT MARKING REMOVAL FOR MOT WILL BE REMOVED AND REPLACED AFTER THE FINAL STAGE ON I-290 IS COMPLETE.
7. WORK REQUIRING ENCROACHMENT OF OPEN LANES SHALL BE DONE PER NIGHTTIME ALLOWABLE HOURS. WORK ACTIVITY ENCROACHING ONTO LIVE LANES IS STRICTLY PROHIBITED.

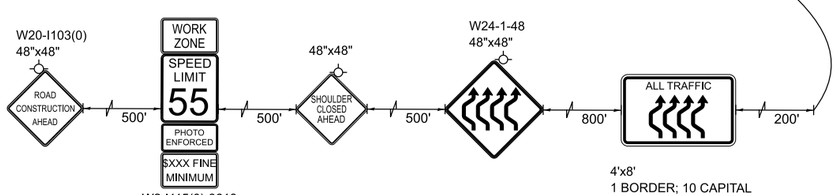
TAPER LENGTH CALCULATIONS

EASTBOUND I-290 LANE SHIFT
I-290 SPEED LIMIT = 55 MPH
SHIFTING TAPER = 55:1
SHIFT DISTANCE = 4'
TAPER LENGTH (L) = 4*55 = 220'

N

0 50 100 150
SCALE IN FEET





4'x8'
1 BORDER; 10 CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS

LEGEND

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- EXISTING PAVEMENT MARKING
- PROPOSED PAVEMENT MARKING
- DRUM OR TYPE I BARRICADE W/ FLASHING AMBER LIGHT @ 25' C-C
- DIRECTION INDICATOR BARRICADE
- TYPE III BARRICADE
- ARROW BOARD
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 2 OR 3
- TRAFFIC DIRECTION

(A) - 4" WHITE LINE (TEMPORARY PAVEMENT MARKING - LINE 4" TYPE IV TAPE)*
(B) - 4" YELLOW LINE (TEMPORARY PAVEMENT MARKING - LINE 4" TYPE IV TAPE)*
(C) - 5" WHITE LINE (TEMPORARY PAVEMENT MARKING - LINE 5" TYPE IV TAPE) (10' DASH - 30' SKIP)*
(D) - 8" WHITE LINE (TEMPORARY PAVEMENT MARKING - LINE 8" TYPE IV TAPE)*
(E) - 4" WHITE DOTTED LINE (TEMPORARY PAVEMENT MARKING - LINE 4" TYPE IV TAPE) (2' DASH - 6' SKIP)*
(F) - 12" WHITE LINE (TEMPORARY PAVEMENT MARKING - LINE 12" TYPE IV TAPE)*
(G) - 8" YELLOW LINE (TEMPORARY PAVEMENT MARKING - LINE 8" TYPE IV TAPE)*
- TEMPORARY TRAFFIC SIGN
- FLAGGER WITH TRAFFIC CONTROL SIGN

* NOTE: TEMPORARY PAVEMENT MARKING DURING WINTER STAGES SHALL BE MODIFIED URETHANE.

1 REVISED SHEET 1/2/2026

STAGING NOTES

1. CENTRAL PARK AVE. WILL BE FULLY CLOSED AND VEHICULAR, BIKE, AND PEDESTRIAN TRAFFIC WILL BE DETOURED. SEE DETOUR PLAN SHEETS FOR DETAILED SIGNAGE FOR ALL ADJACENT ROADWAYS.
2. THESE PLANS ARE SUGGESTED MAINTENANCE OF TRAFFIC PLANS. THE CONTRACTOR IS REQUIRED TO SUBMIT MOT PLANS, AND CONSTRUCTION SEQUENCING DETAILS TO IDOT FOR REVIEW AND APPROVAL. ALL MAINTENANCE OF TRAFFIC CLOSURES SHALL BE IN ACCORDANCE WITH IDOT DISTRICT ONE SPECIAL PROVISION "KEEPING THE EXPRESSWAY OPEN TO TRAFFIC."
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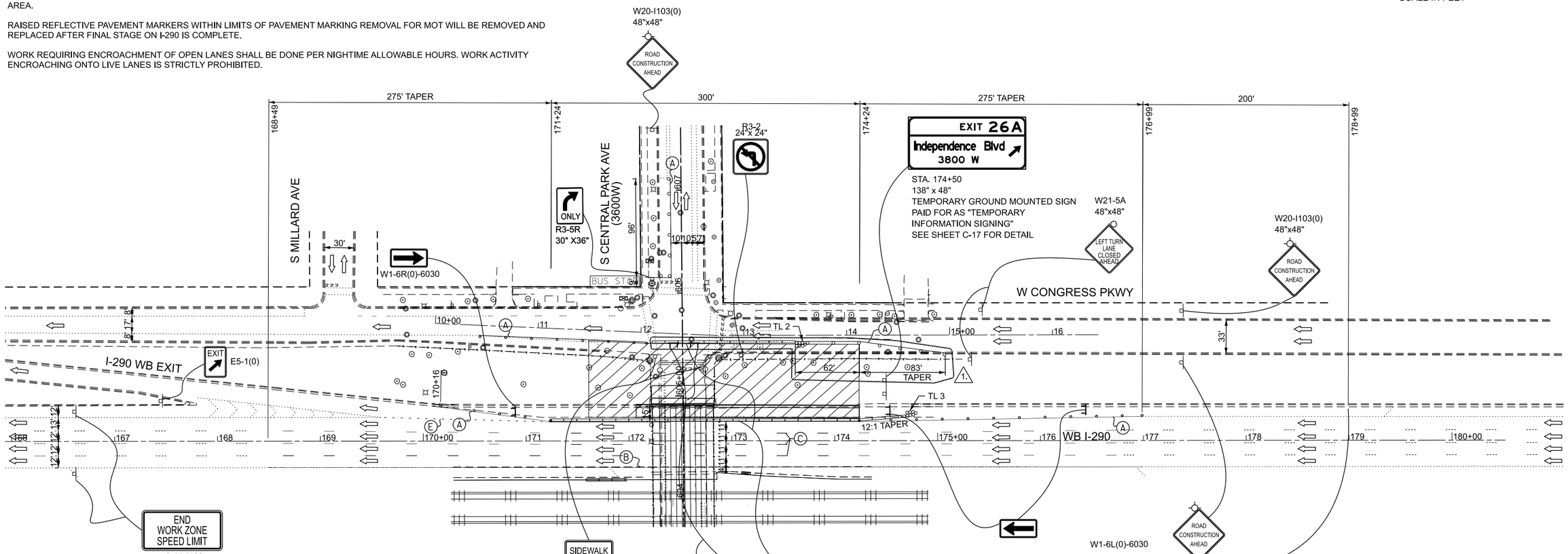
4. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE WORK SITES WHEN:
   A. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN ONE HOUR PERIOD.
   B. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
5. THE FLAGGER SHALL BE STATIONED 500 FT IN ADVANCE OF OPENING WHERE CONTRACTOR'S VEHICLES ENTER AND EXIT THE WORK AREA.
6. RAISED REFLECTIVE PAVEMENT MARKERS WITHIN LIMITS OF PAVEMENT MARKING REMOVAL FOR MOT WILL BE REMOVED AND REPLACED AFTER FINAL STAGE ON I-290 IS COMPLETE.
7. WORK REQUIRING ENCROACHMENT OF OPEN LANES SHALL BE DONE PER NIGHTTIME ALLOWABLE HOURS. WORK ACTIVITY ENCROACHING ONTO LIVE LANES IS STRICTLY PROHIBITED.

TAPER LENGTH CALCULATIONS

WESTBOUND I-290 LANE SHIFT
I-290 SPEED LIMIT = 55 MPH
SHIFTING TAPER = 55:1
SHIFT DISTANCE = 5'
TAPER LENGTH (L) = 5*55 = 275'

N

0 50 100 150
SCALE IN FEET



LEGEND

- WORK ZONE
- TEMPORARY CONCRETE BARRIER
- EXISTING PAVEMENT MARKING
- PROPOSED PAVEMENT MARKING
- DRUM OR TYPE I BARRICADE W/ FLASHING AMBER LIGHT @ 25' C-C
- DIRECTION INDICATOR BARRICADE
- TYPE III BARRICADE
- ARROW BOARD
- IMPACT ATTENUATOR, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 2 OR 3
- TRAFFIC DIRECTION

(A) - 4" WHITE LINE (TEMPORARY PAVEMENT MARKING - LINE 4" TYPE IV TAPE)*
(B) - 4" YELLOW LINE (TEMPORARY PAVEMENT MARKING - LINE 4" TYPE IV TAPE)*
(C) - 5" WHITE LINE (TEMPORARY PAVEMENT MARKING - LINE 5" TYPE IV TAPE) (10' DASH - 30' SKIP)*
(D) - 8" WHITE LINE (TEMPORARY PAVEMENT MARKING - LINE 8" TYPE IV TAPE)*
(E) - 4" WHITE DOTTED LINE (TEMPORARY PAVEMENT MARKING - LINE 4" TYPE IV TAPE) (2' DASH - 6' SKIP)*
(F) - 12" WHITE LINE (TEMPORARY PAVEMENT MARKING - LINE 12" TYPE IV TAPE)*
(G) - 8" YELLOW LINE (TEMPORARY PAVEMENT MARKING - LINE 8" TYPE IV TAPE)*

- TEMPORARY TRAFFIC SIGN
- FLAGGER WITH TRAFFIC CONTROL SIGN

* NOTE: TEMPORARY PAVEMENT MARKING DURING WINTER STAGES SHALL BE MODIFIED URETHANE.

1 REVISED SHEET 1/2/2026

FILE NAME: \\cs\M-dbstepw21\CS_pdf_work_dir\103854224_87D162K62-sht-MOT01-I-290WB.dgn

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USER NAME = icsM-dbstepw21$	DESIGNED - DDC	REVISED - 1 12/19/2025 HJM	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
PLOT SCALE = 100.0000 ' / in.	DRAWN - JH	REVISED -	
PLOT DATE = 12/15/2025	CHECKED - HJM	REVISED -	
PLOT TIME = 9:57:19 PM	DATE -	REVISED -	

MAINTENANCE OF TRAFFIC
STAGE 1 - WESTBOUND I-290 AT CENTRAL PARK AVE

SCALE: | SHEET NO. C-25 OF C-102 SHEETS | STA. 00+000 TO STA. 00+000

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	49
		CONTRACT NO. 62K62		
		ILLINOIS	FED. AID PROJECT	

PROPOSED DRAINAGE STRUCTURE SCHEDULE

STR I.D.	STATION (FEET)	OFFSET (FEET)	ALIGNMENT	RIM (ELEV)	N - INV (ELEV)	S - INV (ELEV)	E - INV (ELEV)	W - INV (ELEV)	CATCHBASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO) (EACH)	CATCHBASINS, TYPE-A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE (EACH)	CATCHBASINS, TYPE B TYPE 8 GRATE (EACH)
S-01	02+88.6	11.8 LT	W. HARRISON ST	600.06	-	589.74	-	-	1	-	-
S-02	03+91.5	20.6 LT	W. HARRISON ST	599.74	-	585.41	-	-	1	-	-
S-03	12+81.5	16.0 RT	W. CONGRESS PRKW	600.26	585.61	-	-	-	1	-	-
S-04	173+27.4	44.5 LT	I-290 WESTBOUND	583.50	-	EXIST*	-	-	-	-	1
S-05	173+32.0	33.8 LT	I-290 WESTBOUND	581.84	-	EXIST*	-	-	-	1	-
S-06	173+58.0	32.9 LT	I-290 WESTBOUND	581.82	-	-	-	EXIST*	-	1	-
S-07	172+11.1	38.5 RT	I-290 EASTBOUND	584.40	-	-	-	579.66*	-	-	1
								TOTAL:	3	2	2

* VERIFY AND MATCH EXISTING INVERT ELEV

PROPOSED DRAINAGE PIPE SCHEDULE

PIPE I.D.	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT (ELEV)	DOWNSTREAM INVERT (ELEV)	PIPE DIA (IN)	PIPE LENGTH (FOOT)	PIPE SLOPE (%)	STORM SEW, DUCTILE IRON PIPE, TYPE 2, 8 INCH (FOOT)	TRENCH BACKFILL (CUYD)
P-01	S-01	EX 15" PIPE	592.57	592.40**	8	9	2.0	9	6.0
P-02	S-02	EX 24" PIPE	587.91	587.48**	8	22	2.0	22	14.7
P-03	S-03	EX 15" PIPE	588.44	588.19**	8	12	2.0	12	8.0
							TOTAL:	43	28.7

** VERIFY DOWNSTREAM STRUCTURE TIE IN ELEV

PIPE UNDERDRAINS, TYPE 2, 6" SCHEDULE

LOCATION	FROM STATION (FEET)	FROM OFFSET (FEET)	TO STATION (FEET)	TO OFFSET (FEET)	PIPE UNDERDRAINS, TYPE 2, 6" (FOOT)
I-290 WB NORTH	172+06.99	23.99 LT	173+58.02	23.77 LT	151.0
I-290 WB NORTH	173+58.02	23.77 LT	173+58.02	31.19 LT	7.4
I-290 WB NORTH	174+23.81	23.77 LT	173+58.02	23.77 LT	65.8
I-290 WB SOUTH	173+13.57	25.76 RT	174+01.26	25.76 RT	87.7
I-290 EB NORTH	172+12.52	20.30 LT	172+96.38	20.29 LT	83.9
I-290 EB SOUTH	171+64.70	31.69 RT	173+26.44	27.55 RT	191.2

EXISTING DRAINAGE STRUCTURE SCHEDULE

STATION (FEET)	OFFSET (FEET)	ALIGNMENT	CATCH BASINS TO BE ADJUSTED (EACH)	REMOVING CATCH BASINS (EACH)	REMOVING MANHOLES (EACH)	CATCH BASINS TO BE CLEANED (EACH)
602+12.0	00.0 LT	CENTRAL PARK	1	-	-	1
602+23.8	17.5 RT	CENTRAL PARK	1	-	-	1
602+55.0	00.6 LT	CENTRAL PARK	-	-	1	-
602+58.0	22.2 LT	CENTRAL PARK	-	1	-	-
602+59.0	21.8 RT	CENTRAL PARK	-	1	-	-
605+25.1	22.3 LT	CENTRAL PARK	-	1	-	-
605+25.6	21.8 RT	CENTRAL PARK	-	1	-	-
605+39.3	45.3 LT	CENTRAL PARK	1	-	-	1
605+44.5	73.3 LT	CENTRAL PARK	1	-	-	1
605+55.0	10.3 RT	CENTRAL PARK	1	-	-	1
605+83.3	00.5 LT	CENTRAL PARK	1	-	-	1
605+85.6	59.7 LT	CENTRAL PARK	1	-	-	1
173+27.4	44.5 LT	I-290 WESTBOUND	-	1	-	-
173+32.0	33.8 LT	I-290 WESTBOUND	-	1	-	-
173+58.0	32.9 LT	I-290 WESTBOUND	-	1	-	-
171+35.3	32.8 RT	I-290 EASTBOUND	-	1	-	-
172+11.1	38.5 RT	I-290 EASTBOUND	1	-	-	1
		TOTAL:	8	8	1	8

EXISTING DRAINAGE PIPE SCHEDULE

FROM STATION (FEET)	FROM OFFSET (FEET)	TO STATION (FEET)	TO OFFSET (FEET)	ALIGNMENT	STORM SEWER REMOVAL 12" (FOOT)	STORM SEWER REMOVAL 15" (FOOT)	TRENCH BACKFILL (CUYD)
602+58.0	22.2 LT	602+49.5	00.6 LT	CENTRAL PARK	23	-	11.0
602+59.0	21.8 RT	602+49.5	00.6 LT	CENTRAL PARK	23	-	11.0
602+55.0	00.6 LT	602+12.0	00.0 RT	CENTRAL PARK	-	43	24.4
605+25.1	22.3 LT	605+83.3	00.5 LT	CENTRAL PARK	62	-	30.0
605+25.6	21.8 RT	605+55.0	22.0 RT	CENTRAL PARK	30	-	14.6
172+88.4	51.6 LT	173+29.7	34.8 LT	I-290 W.B.	45		13.5
172+86.3	55.3 RT	173+33.0	33.5 RT	I-290 E.B.	52		15.5
				TOTAL:	235	43	120.0

1. 1.

1 REVISED SHEET 1/2/2026

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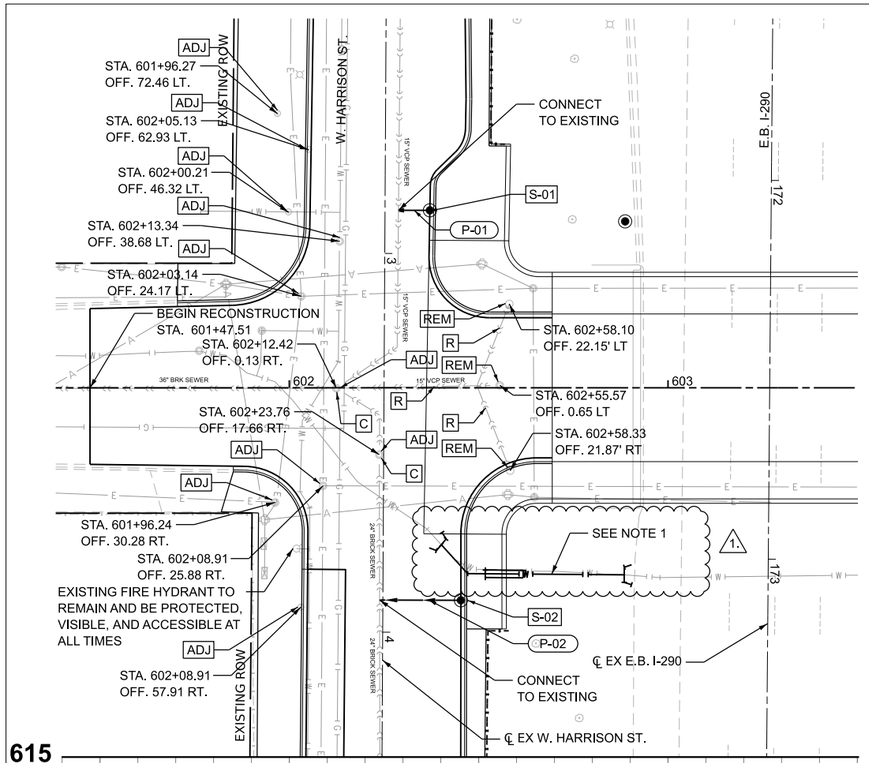
DRAINAGE SCHEDULES

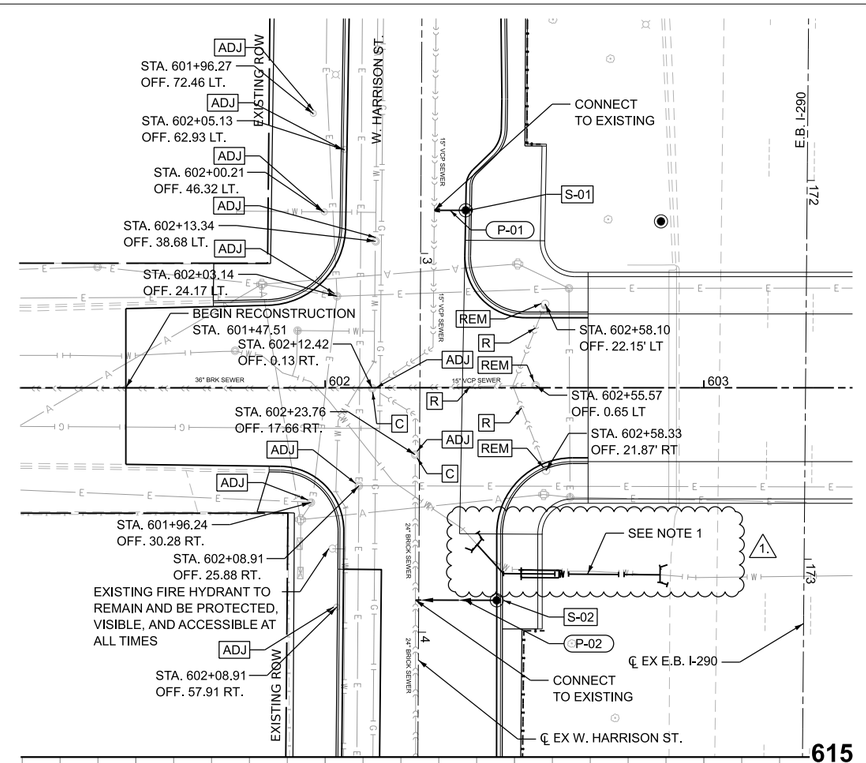
SCALE: NTS | SHEET NO. C-54 OF C-102 SHEETS | STA. 00+000 TO STA. 00+000

F.A.J. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	78

CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT



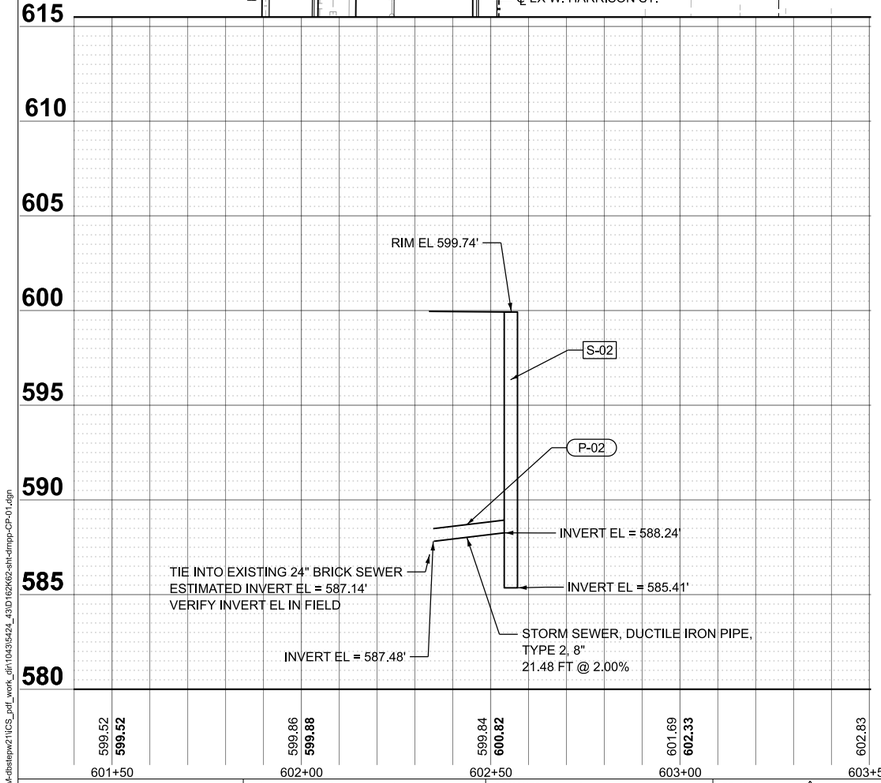


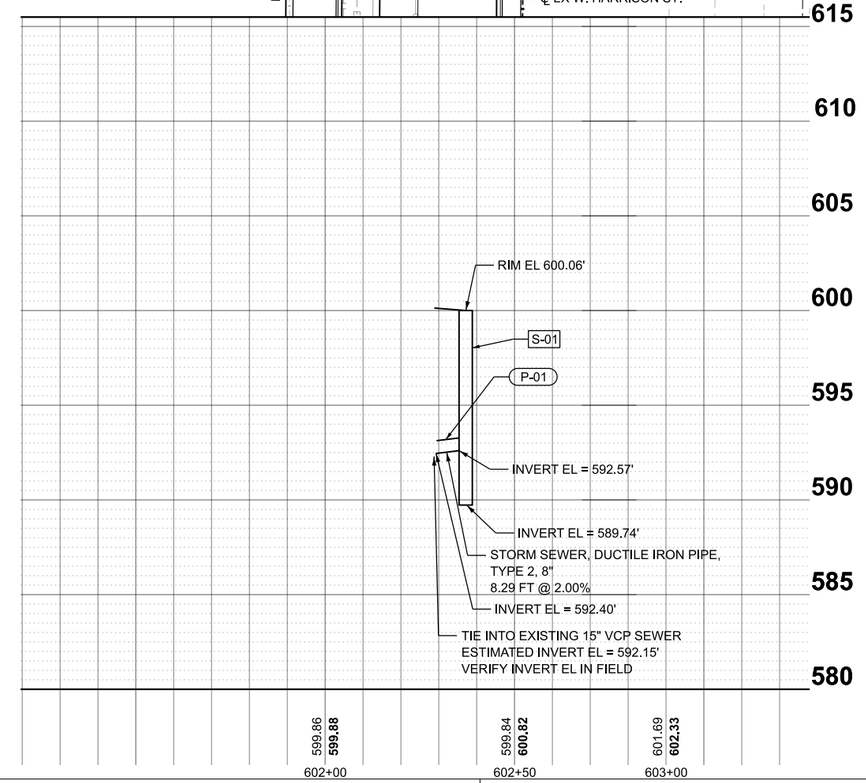
0 20 40
SCALE IN FEET

DRAINAGE LEGEND

- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED PIPE
- PROPOSED PIPE UNDERDRAIN
- S-01 — PROPOSED STRUCTURE I.D.
- P-02 — PROPOSED PIPE I.D.
- ADJ — ADJUST EXISTING STRUCTURE
- REM — REMOVE EXISTING STRUCTURE
- C — CLEAN EXISTING STRUCTURE
- R — REMOVE EXISTING PIPE

NOTES
1. CUT AND CAP EXISTING WATER MAIN FOR WING WALL CONSTRUCTION, SEE WATER MAIN PLAN AND STRUCTURAL SHEETS FOR DETAILS. SEE REMOVAL PLAN FOR LIMITS OF REMOVAL.





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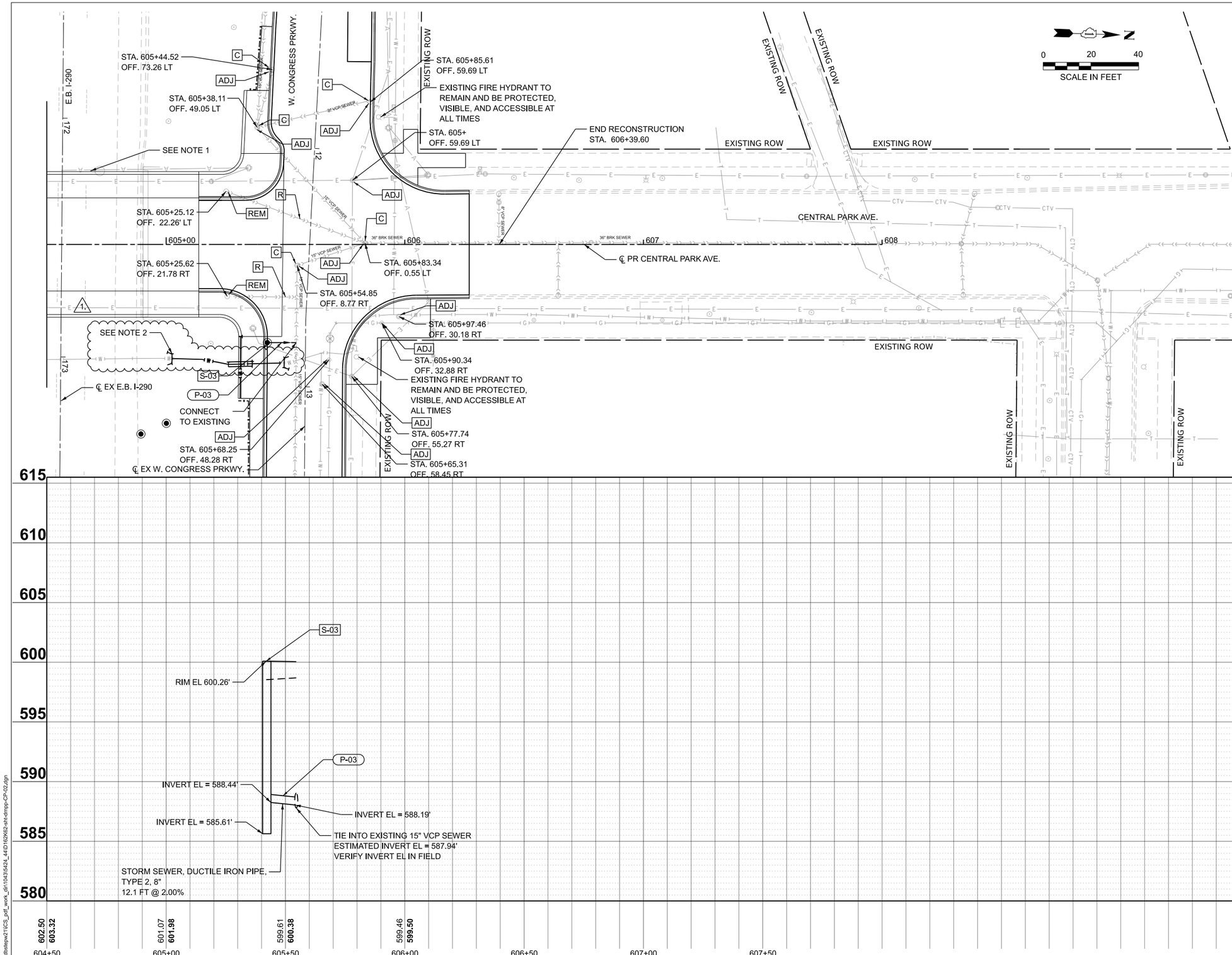
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITY PLAN AND PROFILE
CENTRAL PARK AVENUE @ W HARRISON STREET

SCALE: 1" = 20' | SHEET NO. C-55 OF C-102 SHEETS | BEGIN TO STA. 604+50.00

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	79
		CONTRACT NO. 62K62		
	ILLINOIS	FED. AID PROJECT		



DRAINAGE LEGEND

- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED PIPE
- PROPOSED PIPE UNDERDRAIN
- S-01 — PROPOSED STRUCTURE I.D.
- P-02 — PROPOSED PIPE I.D.
- ADJ — ADJUST EXISTING STRUCTURE
- REM — REMOVE EXISTING STRUCTURE
- C — CLEAN EXISTING STRUCTURE
- R — REMOVE EXISTING PIPE

NOTES

1. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE NEW LICENSE PLATE READER (LPR), CONDUIT, CABLE, AND ASSOCIATED HARDWARE AND APPURTENANCES WITH THE ILLINOIS STATE POLICE (ISP) CONTRACTOR. THE INSTALLATION OF NEW ISP EQUIPMENT SHALL BE COORDINATED WITH THE STAGED BRIDGE REPLACEMENT AND ACCESS GATE INSTALLATION.

1. 2.CUT AND CAP EXISTING WATER MAIN FOR WING WALL CONSTRUCTION, SEE WATER MAIN PLAN AND STRUCTURAL SHEETS FOR DETAILS. SEE REMOVAL PLAN FOR LIMITS OF REMOVAL.

1 REVISED SHEET 1/2/2026

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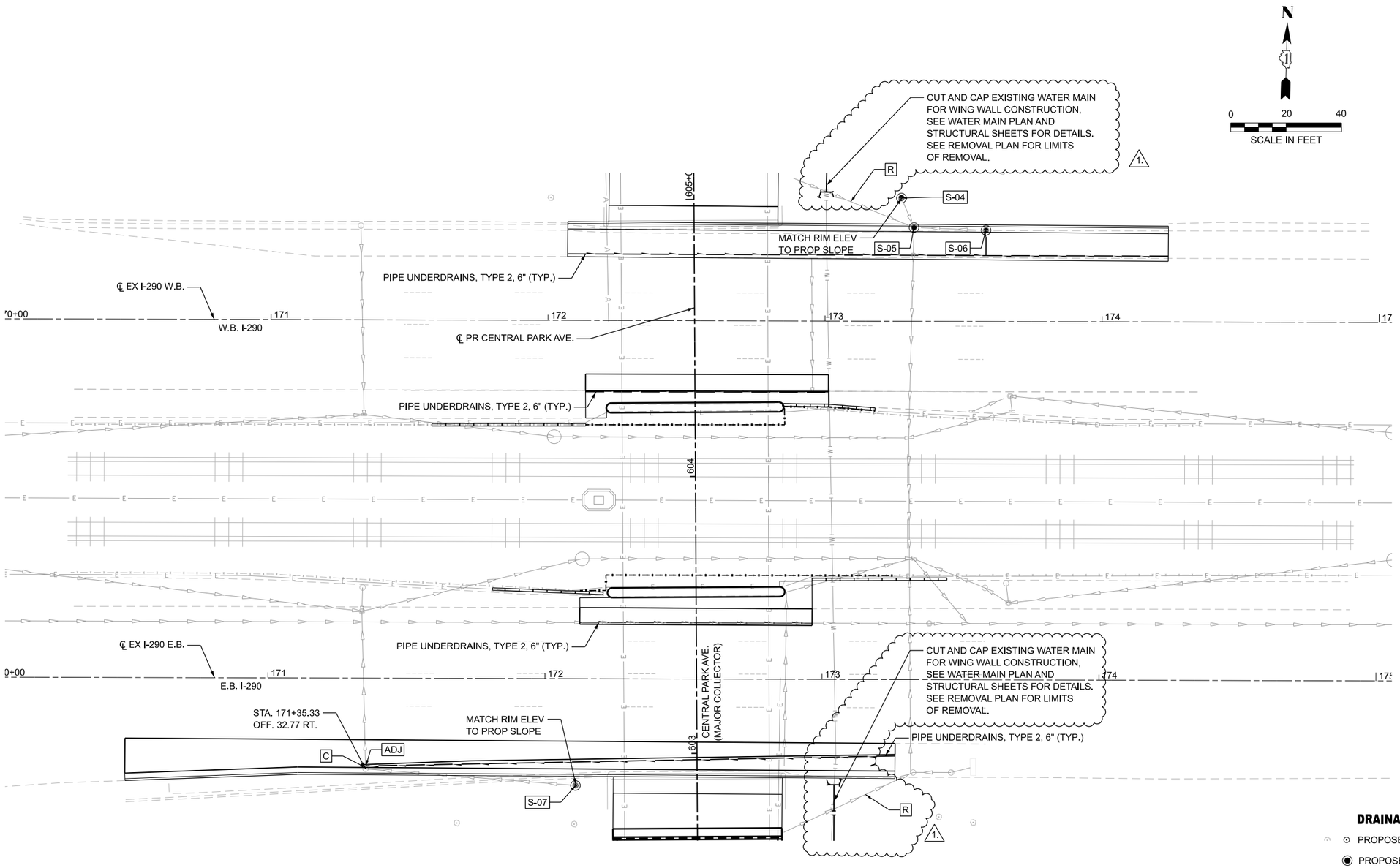
DRAINAGE AND UTILITY PLAN AND PROFILE
CENTRAL PARK AVENUE @ W CONGRESS PARKWAY

SCALE: 1" = 20' | SHEET NO. C-56 OF C-102 SHEETS | STA. 604+50.00 TO STA. END

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	80

CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT



DRAINAGE LEGEND

- PROPOSED MANHOLE
- PROPOSED CATCH BASIN
- PROPOSED PIPE
- PROPOSED PIPE UNDERDRAIN
- S-01 — PROPOSED STRUCTURE I.D.
- P-02 — PROPOSED PIPE I.D.
- ADJ — ADJUST EXISTING STRUCTURE
- REM — REMOVE EXISTING STRUCTURE
- C — CLEAN EXISTING STRUCTURE
- R — REMOVE EXISTING PIPE

1 REVISED SHEET 1/2/2026

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

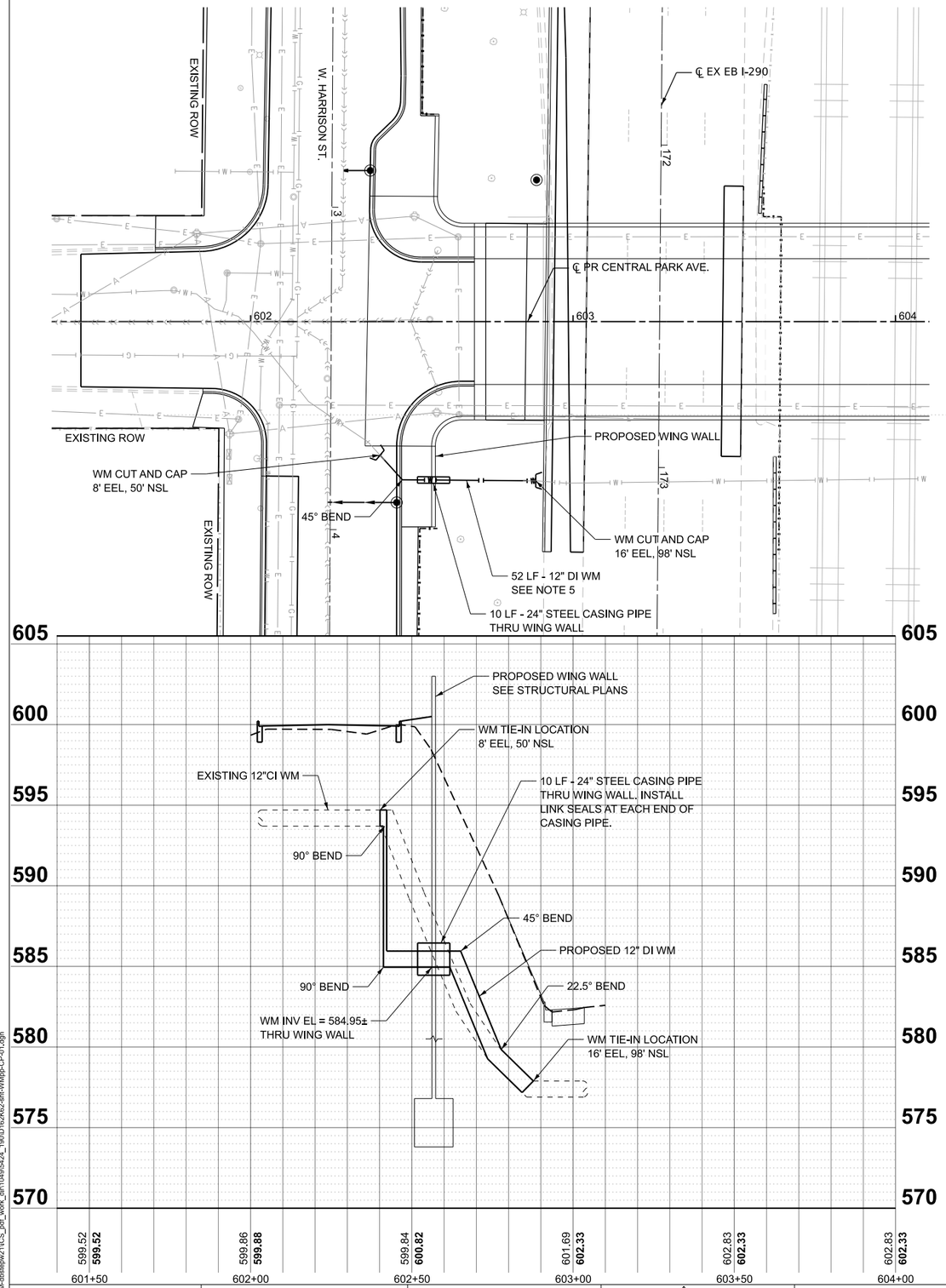
DRAINAGE AND UTILITY PLAN - I-290

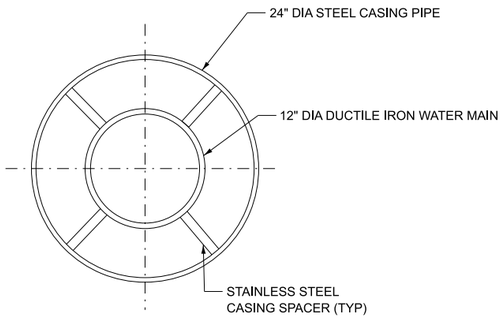
SCALE: 1" = 20' | SHEET NO. C-57 OF C-102 SHEETS | STA. 00+000 TO STA. 00+000

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	81

CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT





CASING PIPE DETAL

0 20 40
SCALE IN FEET

WATER MAIN LEGEND

WM CUT AND CAP

PROPOSED WATER MAIN

NOTES

1. NOTATION "EEL" REFERS TO "EAST OF THE EAST ROW LINE". "NSL" REFERS TO "NORTH OF THE SOUTH ROW LINE". (TYPICAL CDWM WATER NOTATION)

2. BEFORE WING WALL CONSTRUCTION, CUT, CAP, AND BRACE THE EXISTING 12" WATER MAIN TO THE SOUTH AT 8' EEL, 50' NSL AND TO THE NORTH AT 16' EEL, 98' NSL.

3. AFTER WING WALL CONSTRUCTION, REMOVE THE TEMPORARY CAPS AND PLUG AND RECONNECT THE EXISTING 12" CI WATER MAIN TO THE SOUTH AND NORTH WITH:
   - 2 - 12" MJ SLEEVES
   - 52 L.F. OF 12" DI WATER MAIN PIPE (5610330)
   - 1 - HORIZONTAL 45° BEND (56109424)
   - 2 - VERTCIAL 90° BENDS (56109438)
   - 1 - VERTICAL 45° BEND (56109424)
   - 1 - VERTICAL 22.5° BEND (56109412)
   - 10 L.F. OF 24" STEEL CASING PIPE THRU WING WALL (Z0067900)

4. THE PROPOSED WATER MAIN MUST HAVE AT LEAST 5' DEPTH OF COVER.

5. ALL BENDS IN THE DI WATER MAIN SHALL UTILIZE CDWM STANDARD THRUST BLOCKS. COST INCLUDED IN DUCTILE IRON WATER MAIN 12".

6. SEE SPECIAL PROVISIONS FOR CDWM WATER REQUIREMENTS.

1 ADDED ENTIRE SHEET 1/2/2026

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DB STERLIN CONSULTANTS, INC.
123 N. Wacker Drive, Suite 2000
Chicago, Illinois 60606
312.857.1006

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

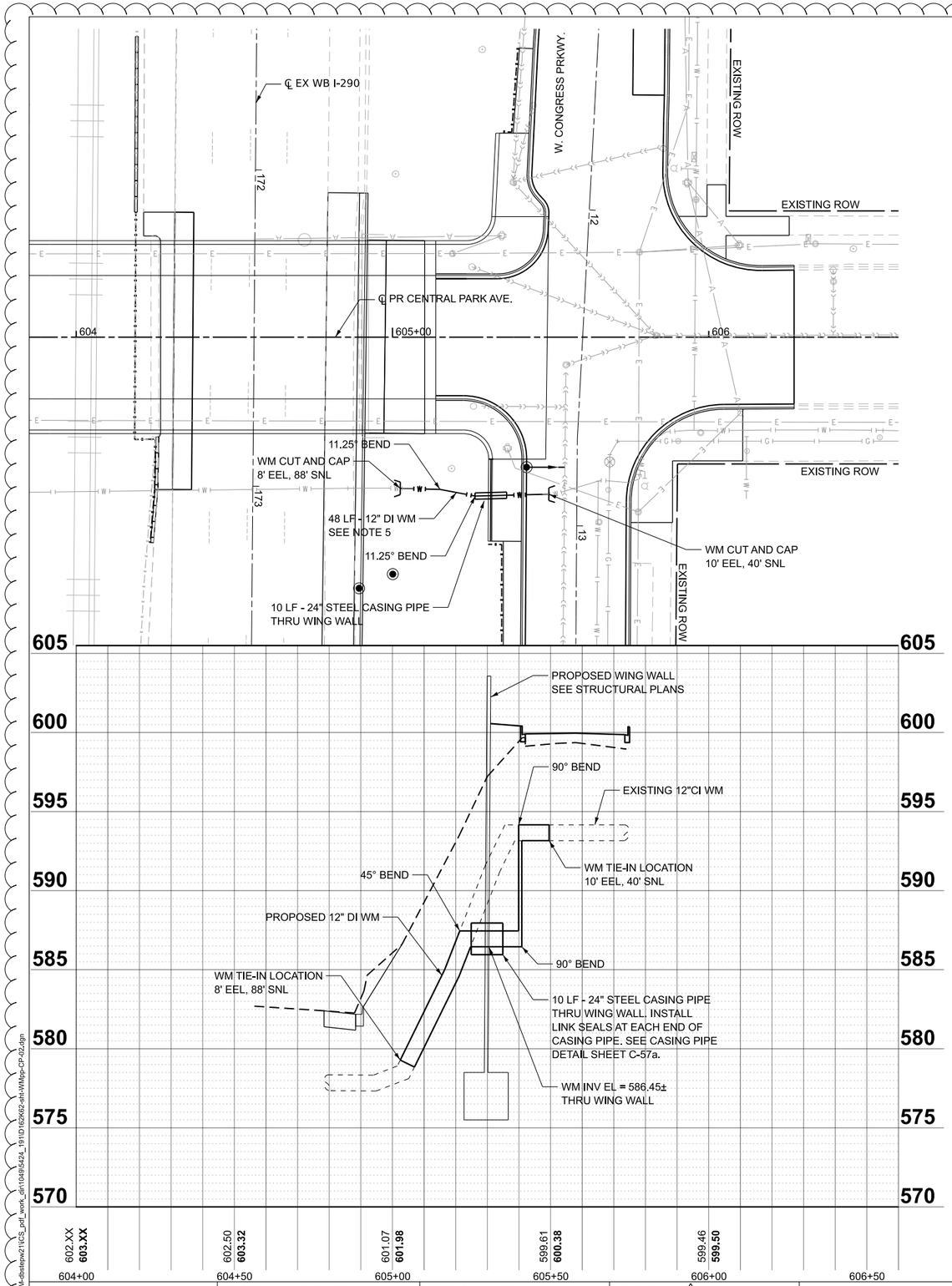
WATER MAIN PLAN AND PROFILE
CENTRAL PARK AVENUE @ W HARRISON STREET

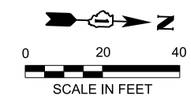
SCALE: 1" = 20' | SHEET NO. C-57a OF C-102 SHEETS | BEGIN TO STA. 604+50.00

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	81a

CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT





WATER MAIN LEGEND

WM CUT AND CAP

PROPOSED WATER MAIN

NOTES

1. NOTATION "EEL" REFERS TO "EAST OF THE EAST ROW LINE". "SNL" REFERS TO "SOUTH OF THE NORTH ROW LINE". (TYPICAL CDWM WATER NOTATION)

2. BEFORE WING WALL CONSTRUCTION, CUT, CAP, AND BRACE THE EXISTING 12" WATER MAIN TO THE SOUTH AT 10' EEL, 88' SNL AND TO THE NORTH AT 10' EEL, 40' SNL.

3. AFTER WING WALL CONSTRUCTION, REMOVE THE TEMPORARY CAPS AND PLUG AND RECONNECT THE EXISTING 12" CI WATER MAIN TO THE SOUTH AND NORTH WITH:
   - 2 - 12" MJ SLEEVES
   - 48 L.F. OF 12" DI WATER MAIN PIPE (5610330)
   - 2 - HORIZONTAL 11.25° BENDS (56109404)
   - 2 - VERTICAL 90° BENDS (56109438)
   - 1 - VERTICAL 45° BEND (56109424)
   - 10 L.F. OF 24" STEEL CASING PIPE THRU WING WALL (Z0067900)

4. THE PROPOSED WATER MAIN MUST HAVE AT LEAST 5' DEPTH OF COVER.

5. ALL BENDS IN THE DI WATER MAIN SHALL UTILIZE CDWM STANDARD THRUST BLOCKS. COST INCLUDED IN DUCTILE IRON WATER MAIN 12".

6. SEE SPECIAL PROVISIONS FOR CDWM WATER REQUIREMENTS.

1 ADDED ENTIRE SHEET 1/2/2026

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

WATER MAIN PLAN AND PROFILE
CENTRAL PARK AVENUE @ W CONGRESS PARKWAY

SCALE: 1" = 20' | SHEET NO. C-57b OF C-102 SHEETS | STA. 604+50.00 TO STA. END

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	81b
		CONTRACT NO. 62K62		
		ILLINOIS	FED. AID PROJECT	

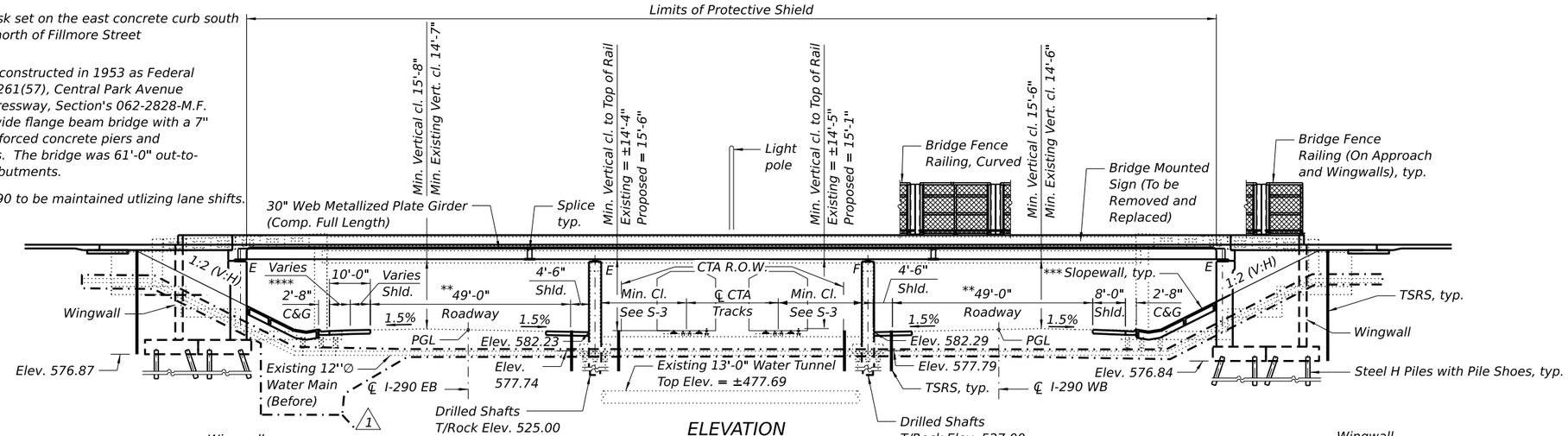
B.M.: Benchmark CWA 6 is a 2 inch aluminum disk set on the east concrete curb south of the metal railing on south Central Ave. north of Fillmore Street
Elev. 610.40

Existing Structure: S.N. 016-2072 was originally constructed in 1953 as Federal Aid Highway on F.A. Route 131, Project U.I. 261(57), Central Park Avenue Grade Separation over Congress Street Expressway, Section's 062-2828-M.F. The Structure is a 3-span continuous steel wide flange beam bridge with a 7" reinforced concrete deck, supported on reinforced concrete piers and abutments founded on creosote timber piles. The bridge was 61'-0" out-to-out of deck and 202'-9" long back-to-back abutments.

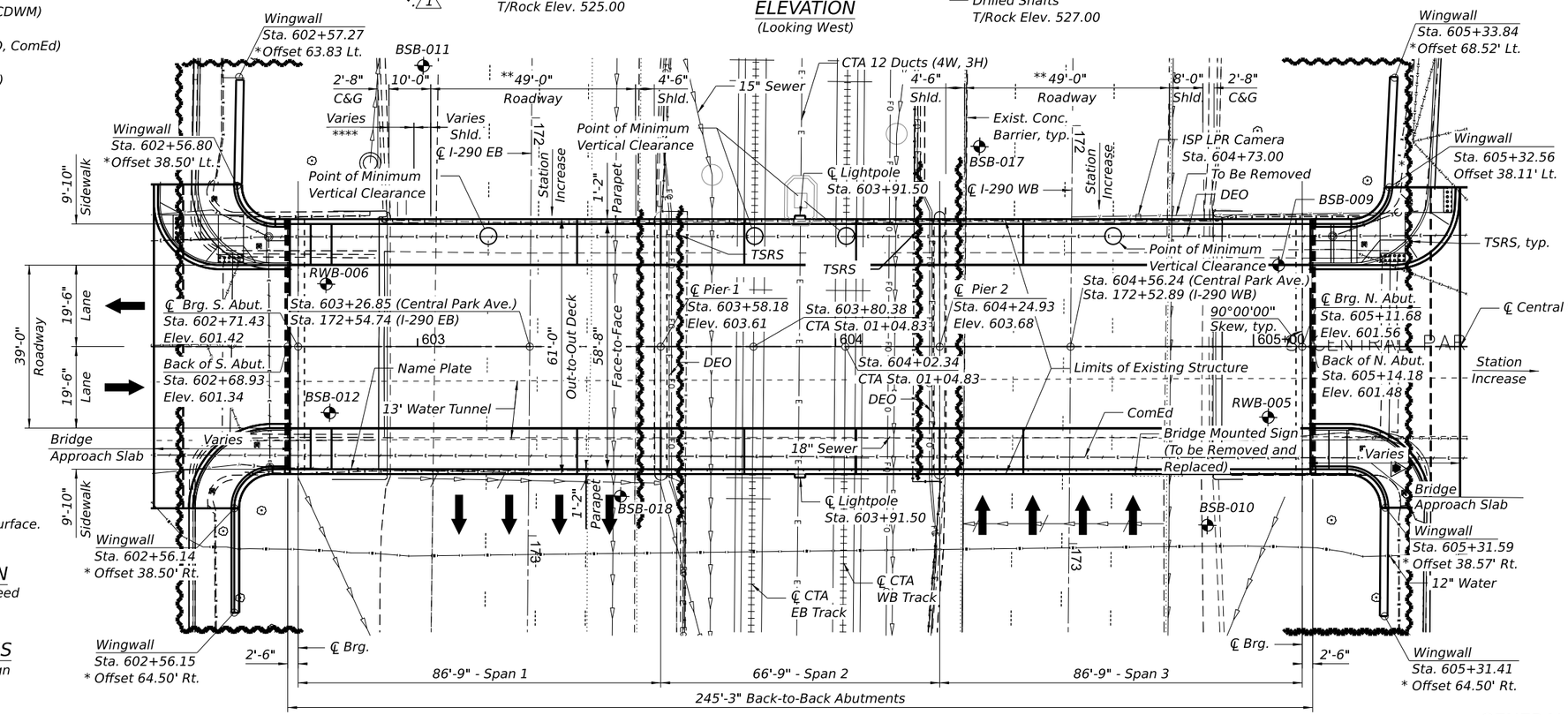
Traffic to be re-routed on a detour. Traffic on I-290 to be maintained utlizing lane shifts.

Salvage: None.

LICENSED STRUCTURAL ENGINEER
JAY M. MASI
081-008453
STATE OF ILLINOIS
Expires: Nov. 30, 2026

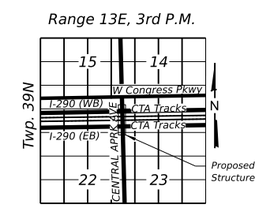


ELEVATION
(Looking West)



PLAN

N



LOCATION SKETCH

UTILITY LEGEND

- Water (CDWM)
- Combined Sewer (CDWM)
- Telephone (AT&T)
- Electric (CDOT-DEO, ComEd)
- Gas (Peoples Gas)
- Cable TV (Comcast)
- Aerial Wire
- Fiber Optic
- Storm Sewer

LOADING HL-93
Allow 50#/sq. ft. for future wearing surface.

LIVE LOAD DEFLECTION
Maximum deflection shall not exceed Span Length / 1,000

DESIGN SPECIFICATIONS
2020 AASHTO LRFD Bridge Design Specifications, 9th Edition

DESIGN STRESSES
FIELD UNITS
f'c = 3,500 psi (Substructure)
f'c = 4,000 psi (Superstructure)
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)
(All Structural Steel Shall be Metallized)

SEISMIC DATA
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (SD1) = 0.096g
Design Spectral Acceleration at 0.2 sec. (SDS) = 0.146g
Soil Site Class D

* Offsets Measured from the F.F. of Wingwalls
** Dimensions Measured at Existing I-290.
*** Final Condition Only. See MOT Sheets.
**** Tapered Ramp Lane

NOTES:
1. For Profile Grade Lines. Index Sheets and Total Bill of Materials, see Sheet S-2.
2. For General Notes, Section Thru Semi-Integral Abutment and CTA Train Clearance Diagram, see Sheet S-3.

1 REVISED SHEET 1/2/2026

GENERAL PLAN AND ELEVATION
CENTRAL PARK AVENUE OVER I-290 (EISENHOWER EXPRESSWAY) AND CTA
F.A.I. RTE. 290 - SECTION 2019-189-BR
COOK COUNTY
STA. 603+91.56
STRUCTURE NO. 016-2091

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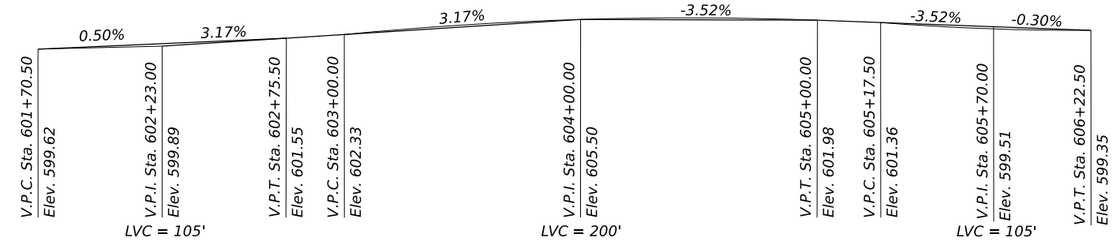
F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	188
		CONTRACT NO. 62K62		
		ILLINOIS	FED. AID PROJECT	

INDEX OF SHEETS

S-1	General Plan and Elevation
S-2	Alignments, Index of Sheets, and Total Bill of Materials
S-3	General Notes and Data
S-4	Existing Structure Removal Plan, Elevation, and Section
S-5	Existing Structure Removal Details
S-6	Substructure Layout Plan and TSRS Details
S-7	Temporary Soil Retention System Details
S-8	Top of Deck Elevation Locations
S-9	Top of Deck Elevations (1 of 2)
S-10	Top of Deck Elevations (2 of 2)
S-11	Top of North Approach Slab Elevations
S-12	Top of South Approach Slab Elevations
S-13	Deck Plan and Cross Section
S-14	Deck Details (1 of 2)
S-15	Deck Details (2 of 2)
S-16	Parapet Elevations and Details
S-17	Concrete Diaphragm Details
S-18	North Approach Slab Details (1 of 2)
S-19	North Approach Slab Details (2 of 2)
S-20	South Approach Slab Details (1 of 2)
S-21	South Approach Slab Details (2 of 2)
S-22	Typical Approach Slab Details
S-23	Bridge Fence Railing, Curved (1 of 2)
S-24	Bridge Fence Railing, Curved (2 of 2)
S-25	Bridge Fence Railing (1 of 2)
S-26	Bridge Fence Railing (2 of 2)
S-27	Framing Plan and Girder Elevation
S-28	Structural Steel Details
S-29	Girder Moment and Reaction Tables
S-30	Elastomeric Bearing Type I and Fixed Bearing Details
S-31	North Abutment Plan and Elevation
S-32	North Abutment Foundation Plan, Sections, and Details
S-33	North Wingwalls Plan and Elevation
S-34	North Wingwalls Foundation Plan
S-35	North Wingwalls Details
S-36	South Abutment Plan and Elevation

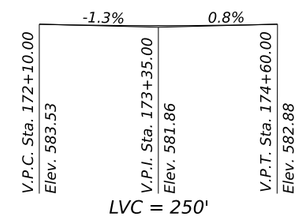
INDEX OF SHEETS (CONT.)

S-37	South Abutment Foundation Plan, Sections, and Details
S-38	South Wingwalls Plan and Elevation
S-39	South Wingwalls Foundation Plan
S-40	South Wingwalls Details
S-41	Typical Abutment and Wingwall Reveal Elevations
S-42	Pier 1 Details
S-43	Pier 2 Details
S-44	HP Pile Details
S-45	Soil Borings (1 of 6)
S-46	Soil Borings (2 of 6)
S-47	Soil Borings (3 of 6)
S-48	Soil Borings (4 of 6)
S-49	Soil Borings (5 of 6)
S-50	Soil Borings (6 of 6)



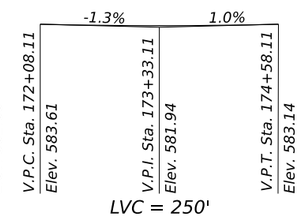
PROFILE GRADE

(Along ℄ Central Park Ave.)



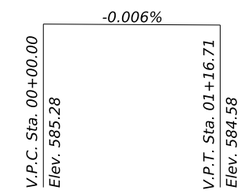
EXISTING PROFILE GRADE

(Along ℄ Existing I-290 EB)



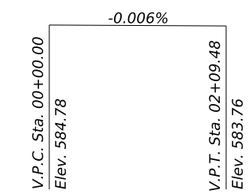
EXISTING PROFILE GRADE

(Along ℄ Existing I-290 WB)



EXISTING PROFILE GRADE

(Along ℄ Existing CTA EB Track at Top of Rail)



EXISTING PROFILE GRADE

(Along ℄ Existing CTA WB Track at Top of Rail)

STA. 603+91.56
BUILT 20____ BY
STATE OF ILLINOIS
F.A.I. RT. 290 SEC. 2019-189-BR
LOADING HL-93
STR. NO. 016-2091

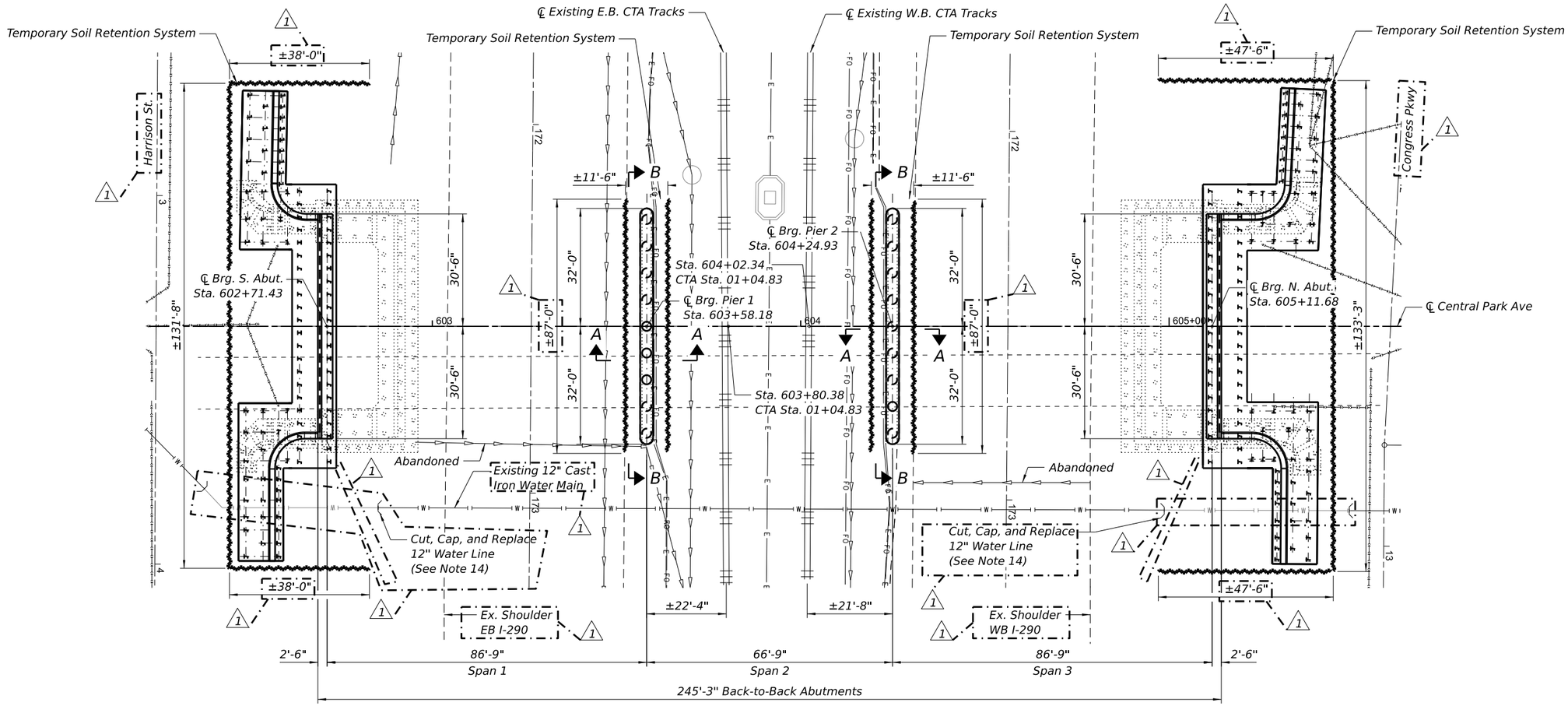
NAME PLATE

See Std. 515001

TOTAL BILL OF MATERIALS

ITEM	UNIT	SUPER	SUB	TOTAL
WELDED WIRE REINFORCEMENT	SQ YD	171		171
REMOVAL OF EXISTING STRUCTURES	EACH	1		1
PROTECTIVE SHIELD	SQ YD	1,602		1,602
STRUCTURE EXCAVATION	CU YD		4,835.4	4,835.4
REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD		1,208.9	1,208.9
CONCRETE STRUCTURES	CU YD		1,482.9	1,482.9
CONCRETE SUPERSTRUCTURE	CU YD	654.9		654.9
BRIDGE DECK GROOVING	SQ YD	1,340		1,340
FORM LINER TEXTURED SURFACE	SQ FT		2,832	2,832
PROTECTIVE COAT	SQ YD	415	27	442
CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	286.2		286.2
FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	1		1
STUD SHEAR CONNECTORS	EACH	11,360		11,360
REINFORCEMENT BARS	POUND		58,480	58,480
REINFORCEMENT BARS, EPOXY COATED	POUND	239,340	160,060	399,400
~~BRIDGE FENCE RAILING~~	~~FOOT~~	~~188~~		~~188~~
BRIDGE FENCE RAILING, CURVED	FOOT	489		489
SLOPE WALL 4 INCH	SQ YD		333	333
FURNISHING STEEL PILES HP12X53	FOOT		9,950	9,950
DRIVING PILES	FOOT		9,950	9,950
TEST PILE STEEL HP12X53	EACH		2	2
PILE SHOES	EACH		199	199
NAME PLATES	EACH	1		1
PERMANENT CASING	FOOT		936	936
DRILLED SHAFT IN SOIL	CU YD		169.5	169.5
DRILLED SHAFT IN ROCK	CU YD		8.4	8.4
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	30		30
ANCHOR BOLTS, 1"	EACH	80		80
TEMPORARY SOIL RETENTION SYSTEM	SQ FT		14,233	14,233
~~GRANULAR BACKFILL FOR STRUCTURES~~	~~CU YD~~		~~3,880.2~~	~~3,880.2~~
CONCRETE SEALER	SQ FT		9,656	9,656
GEOCOMPOSITE WALL DRAIN	SQ YD		615	615
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT		305	305
CROSSHOLE SONIC LOGGING ACCESS DUCTS	FOOT		981	981
CROSSHOLE SONIC LOGGING TESTING	EACH		18	18
PILE REMOVAL	EACH		45	45
BAR TERMINATORS	EACH	444		444

1 REVISED SHEET 1/2/2026



SUBSTRUCTURE LAYOUT AND TSRS PLAN

UTILITY LEGEND

- Existing Underground Water Line (CDWM)
- Existing Underground Combined Sewer (CDWM)
- Existing Underground Telephone (AT&T)
- Existing Electrical (DCOT-DEO, ComEd)
- Existing Underground Gas (Peoples Gas)
- Existing Fiber Optic
- Existing Storm Sewer

NOTES

1. The Contractor shall locate and ensure that all existing utilities interfering with the Temporary Soil Retention System and/or open cut excavation are protected and temporarily supported to minimize vertical and horizontal movement of the utilities. Coordination with the Utility Owner will be required. Cost is included with Temporary Soil Retention System.
2. Any damage to the existing utilities that may incur during construction operations shall be paid for at the expense of the Contractor.
3. Peak Particle Velocity (PPV) of TSRS construction near existing CTA facilities shall not exceed 1-ft/sec. or CTA approved PPV value.
4. For minimum horizontal clearances to the CTA, see Sheet S-3.
6. For structure removal plan, elevation, sections, and details, see Sheets S-4 and S-5.
7. For Temporary Soil Retention System details, see Sheet S-7.

NOTES (CONT.)

8. For North Abutment foundation details, see Sheet S-32.
9. For Northeast and Northwest Wingwall foundation details, see Sheet S-34.
10. For South Abutment foundation details, see Sheet S-37.
11. For Southeast and Southwest Wingwall foundation details, see Sheet S-39.
12. For Pier 1 foundation details, see Sheet S-42.
13. For Pier 2 foundation details, see Sheet S-43.
14. The limits and procedure of the cutting and capping of the existing 12" water line shall be determined by CDWM.

1 REVISED SHEET 1/2/2026

FILE NAME: \\cs\M-dbstepw21\ICS_pdf_work_dir\10085302_15\0162091-D162K62-S006-Sub Layout Plan and TSRS Dets.dgn

DBS STERLIN CONSULTANTS, INC. 123 N. Wacker Drive, Suite 2000 Chicago, Illinois 60606 312.857.1606

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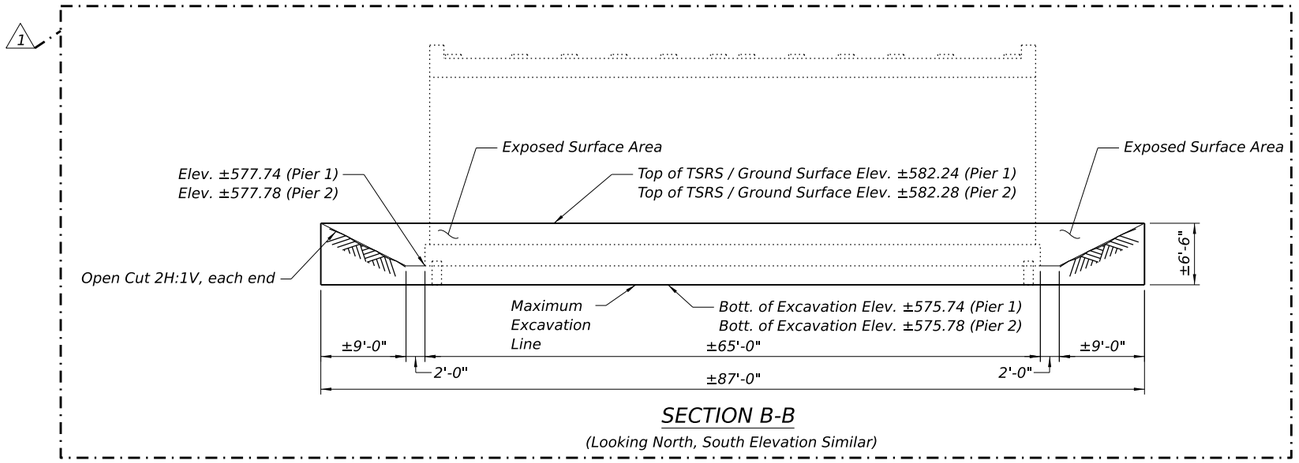
SUBSTRUCTURE LAYOUT PLAN AND TSRS DETAILS
STRUCTURE NO. 016-2091

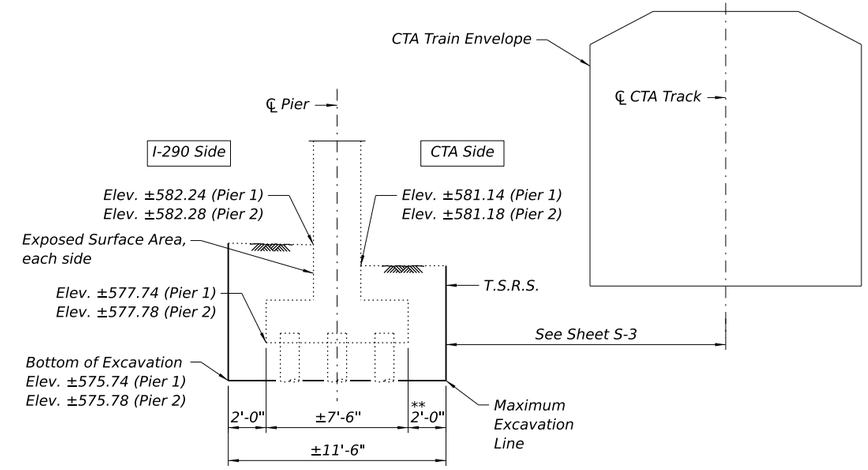
SCALE: NTS | SHEET NO. S-6 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	193
		CONTRACT NO. 62K62		
		ILLINOIS	FED. AID PROJECT	



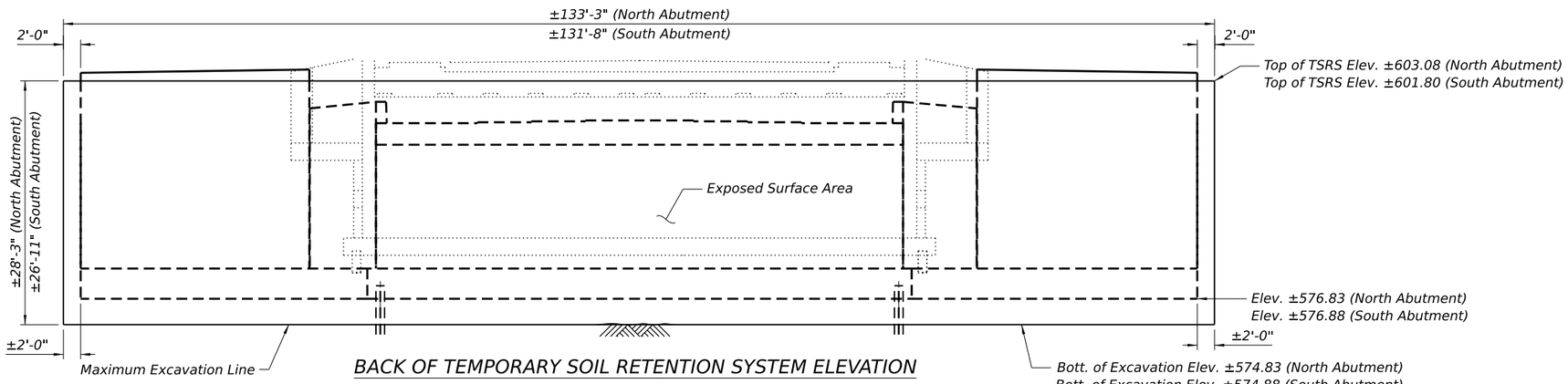
SECTION B-B

(Looking North, South Elevation Similar)



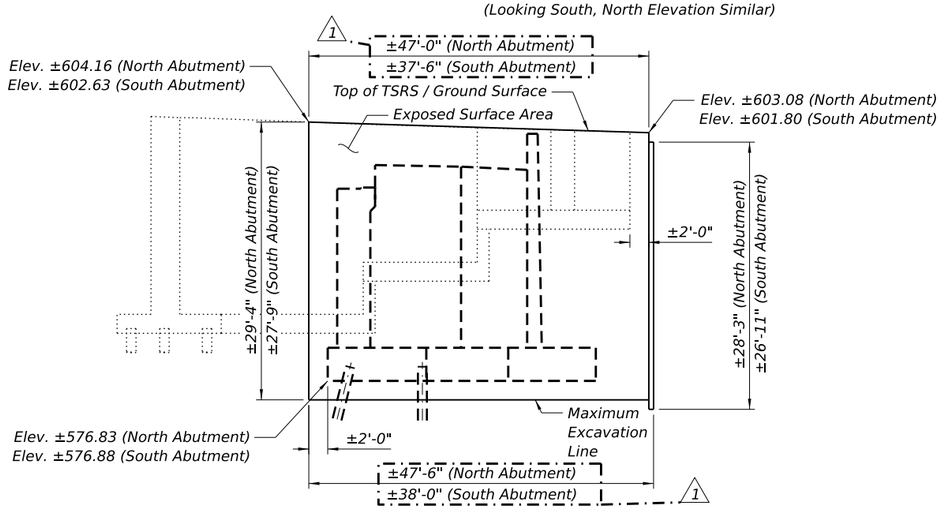
SECTION A-A

** Min. of 2'-0" or CTA R.O.W. Line



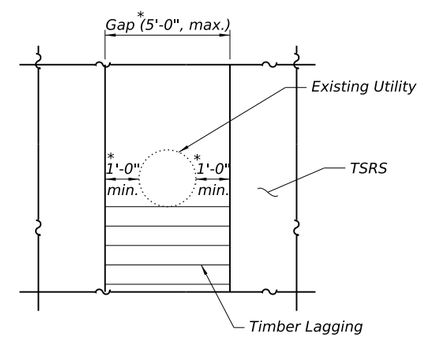
BACK OF TEMPORARY SOIL RETENTION SYSTEM ELEVATION

(Looking South, North Elevation Similar)



ABUTMENT AND WINGWALL TEMPORARY SOIL RETENTION SYSTEM ELEVATION

(Looking West, East Elevation Similar)



EXISTING UTILITY CONFLICT DETAIL

* Contractor shall confirm with Utility Owner for minimum clearances.

NOTES

1. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.

2. For locations of section, see Sheet S-6.

TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	TOTAL
Temporary Soil Retention System	Sq Ft	14,233

1 REVISED SHEET 1/2/2026

FILE NAME: \\icsM-dbstepw21\ICS_pdf_work_dir\10085302_87016209\1-D162K62-S007-TSRS Dets.dgn

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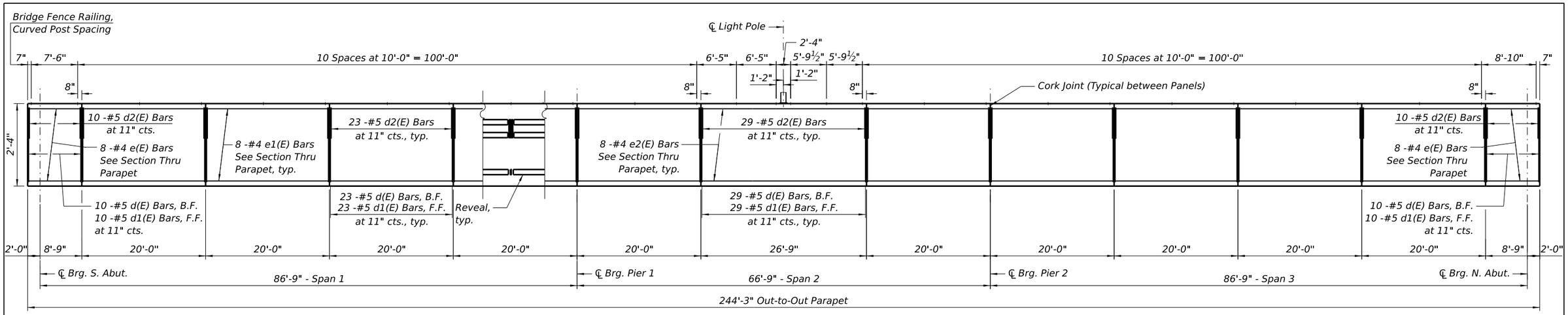
TEMPORARY SOIL RETENTION SYSTEM DETAILS
STRUCTURE NO. 016-2091

SCALE: | SHEET NO. S-7 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	194

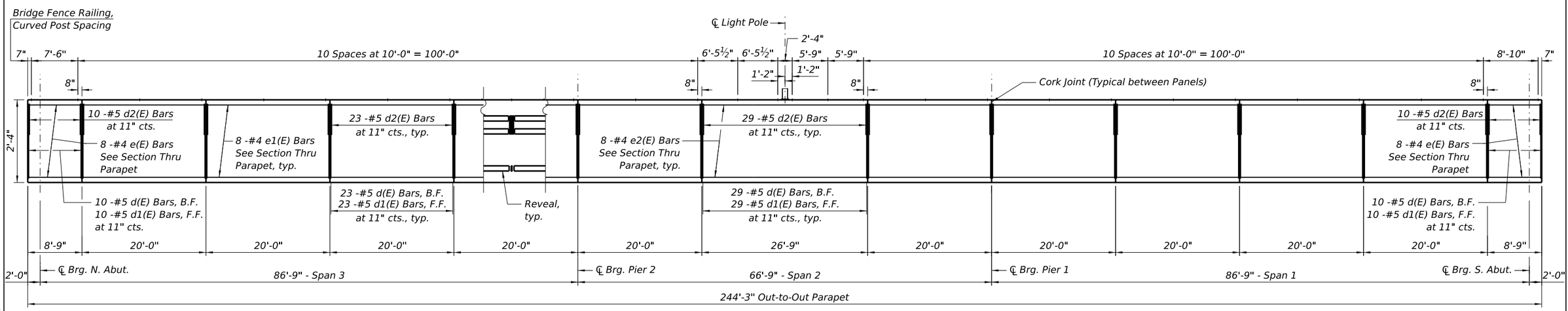
CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT



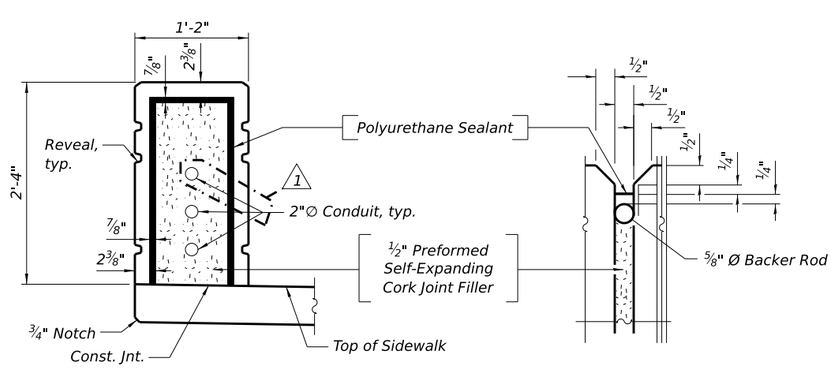
INSIDE ELEVATION OF WEST PARAPET

(Looking West)



INSIDE ELEVATION OF EAST PARAPET

(Looking East)



PARAPET JOINT DETAILS

NOTES:

1. The Polyurethane Sealant shall be according to Article 1050.04 of the Std. Spec. and the color shall be gray.
2. For lightpole bump out details, see Sheet S-14.
3. For notes, reveal pattern details, bar diagrams, and Bill of Material, see Sheet S-15.
4. All edges shall be chamfered ¾".
5. For Bridge Fence Railing, Curved, see Sheets S-23 and S-24.

1 REVISED SHEET 1/2/2026

FILE NAME: \\cs\M-dbstepw21\ICS_pdf_work_dir\10085302_42\0162091-D162K62-S016-Parapet Elev Det.dgn

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PLOT DATE = 12/12/2025	CHECKED - BJN	REVISED -	
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PARAPET ELEVATIONS AND DETAILS
STRUCTURE NO. 016-2091

SCALE: | SHEET NO. S-16 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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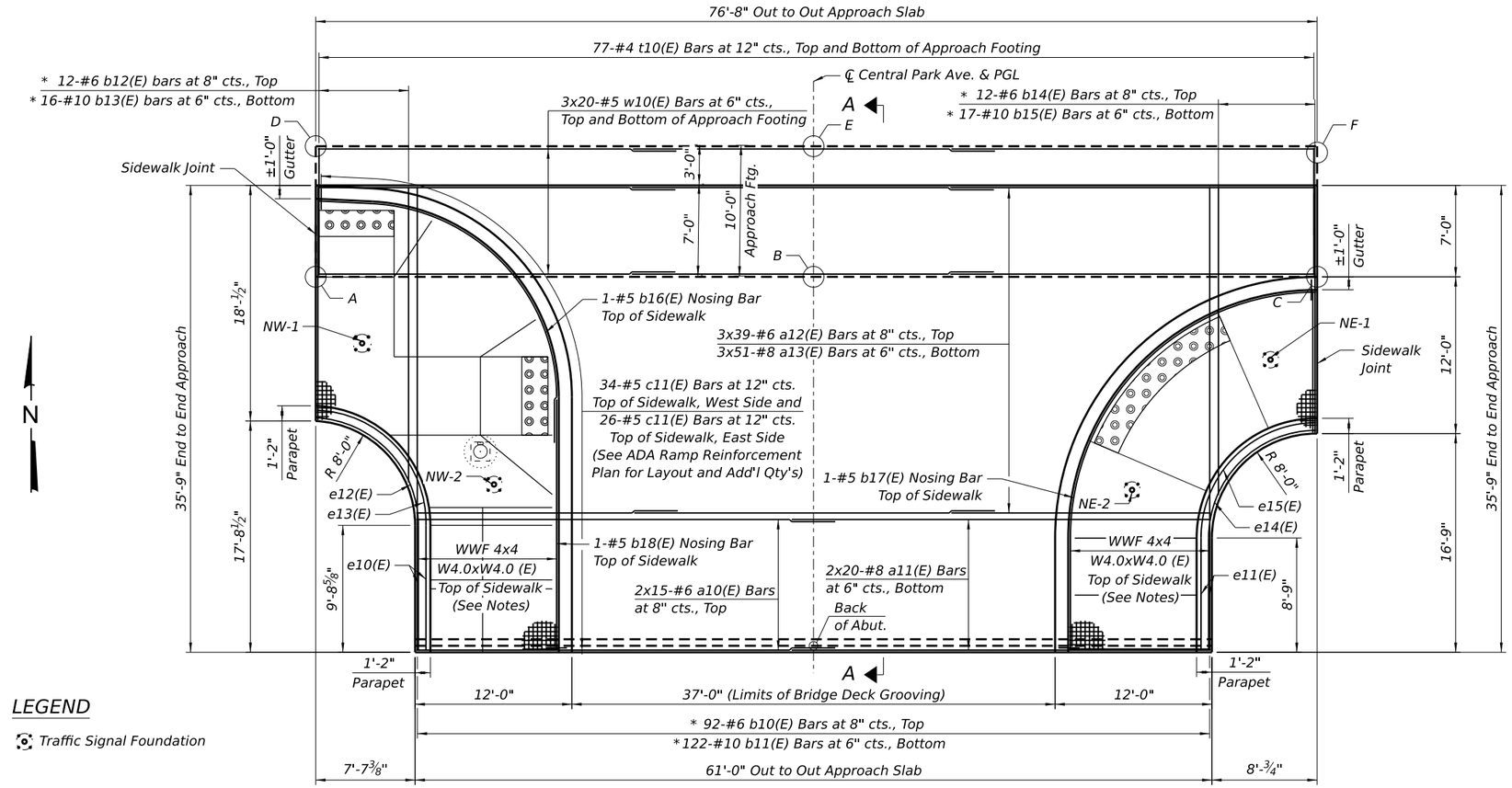
		CONTRACT NO. 62K62		
	ILLINOIS	FED. AID PROJECT		



PLAN

* Cut bars to fit. Maintain 2" min. clear cover.

LEGEND

Traffic Signal Foundation

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

North Approach		
Point/ Location	Top	Bottom
A	598.83	597.99
B	599.25	598.41
C	598.59	597.75
D	598.71	597.87
E	598.99	598.15
F	598.41	597.57

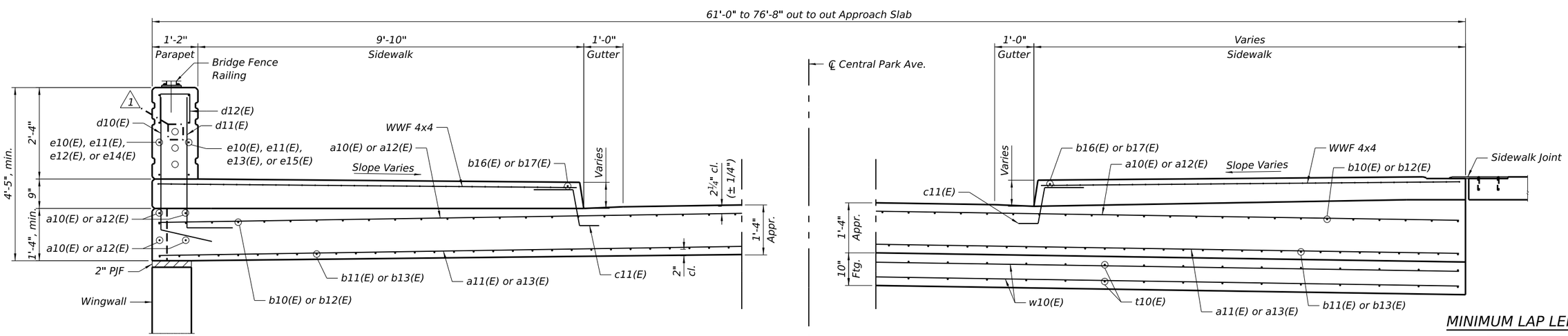
* Fabric bearing pads at the expansion end shall be recessed ¼" into the approach footing and bonded. Adjusting shims, when required, shall be bonded to the top of the fabric bearing pads.

TRAFFIC SIGNAL FOUNDATION LOCATIONS AND TYPES

Foundation Tag	Station	Offset	Foundation Type
NW-1	605+37.43	34.56', Lt.	TS-2
NW-2	605+26.53	24.46', Lt.	TS-1
NE-1	605+36.08	34.99', Rt.	TS-1
NE-2	605+26.11	24.39', Rt.	TS-1

NOTES

1. Bars noted thus 3x2 - #5 indicates 3 lines of bars with 2 bars per line.
2. ADA sidewalk ramp concrete and reinforcement shall be paid for as part of Concrete Superstructure (Approach Slab) and Welded Wire Reinforcement, respectively.
3. For ADA sidewalk ramps slopes and dimesnions, see Roadway ADA sheets.
4. For parapet details, bar bends, Bill of Materials, and details, see Sheet S-19.
5. For ADA Ramp reinforcement plan, sidewalk joint detail, and traffic signal foundation details, see Sheet S-22.
6. For embedded conduit layout plan, see Electrical sheets.



CROSS SECTION
(Looking North)

MINIMUM LAP LENGTHS

Bar	Lap
#5	2'-1"
#6	3'-1"
#8	5'-2"

1 REVISED SHEET 1/2/2026

FILE NAME: \\icsM-dbstepw21\ICS_pdf_work_dh\10085302_60016209\1-D162K62-S018-North Appr 1.dgn

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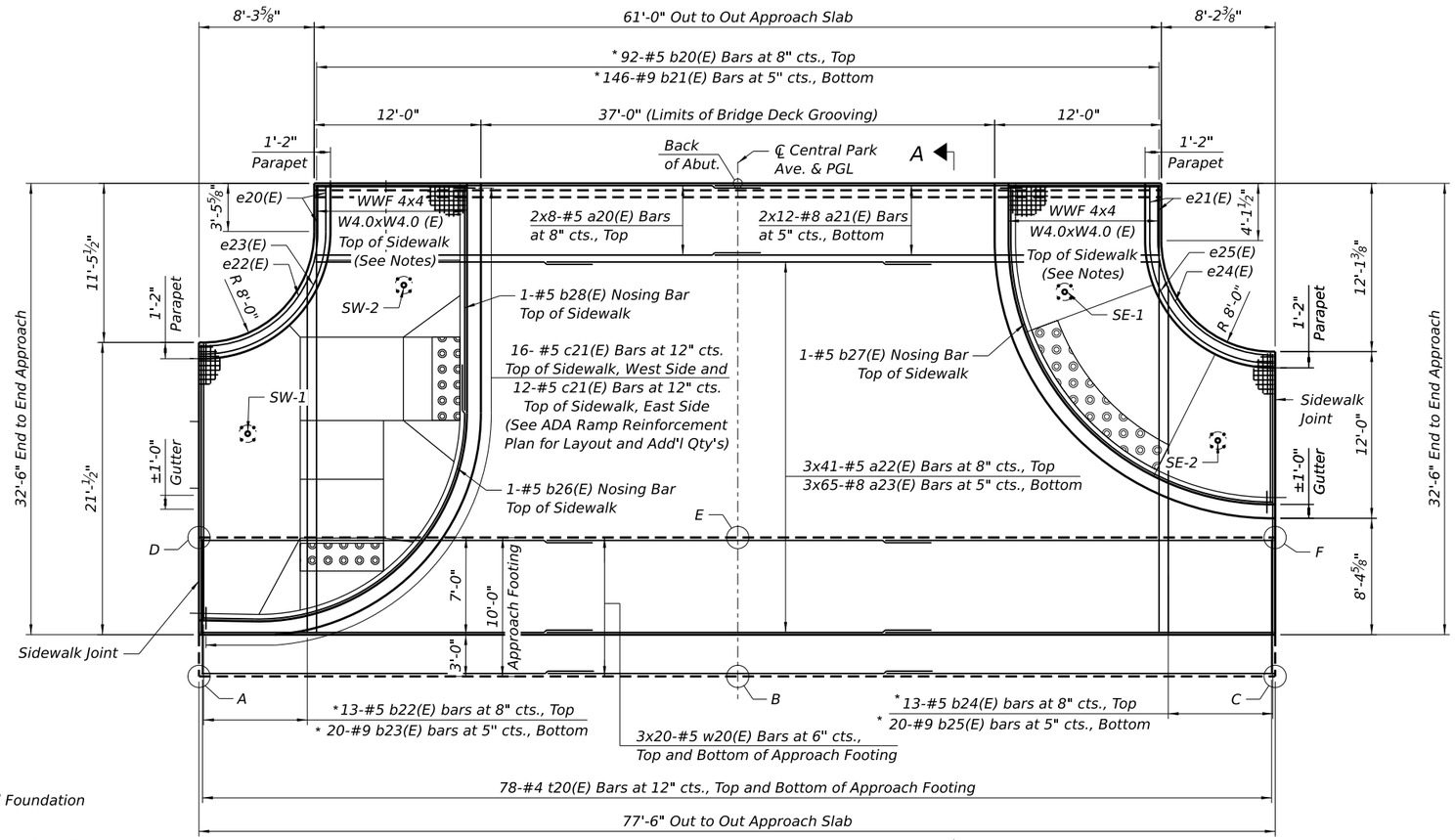
NORTH APPROACH SLAB DETAILS (1 OF 2)
STRUCTURE NO. 016-2091

SCALE: | SHEET NO. S-18 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	205

CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT



PLAN

LEGEND

Traffic Signal Foundation

* Cut bars to fit. Maintain 2" min. clear cover.

TOP AND BOTTOM ELEVATIONS FOR APPROACH FOOTING

South Approach		
Point/ Location	Top	Bottom
A	598.71	597.87
B	599.04	598.20
C	598.58	597.74
D	598.87	598.03
E	599.25	598.41
F	598.72	597.88

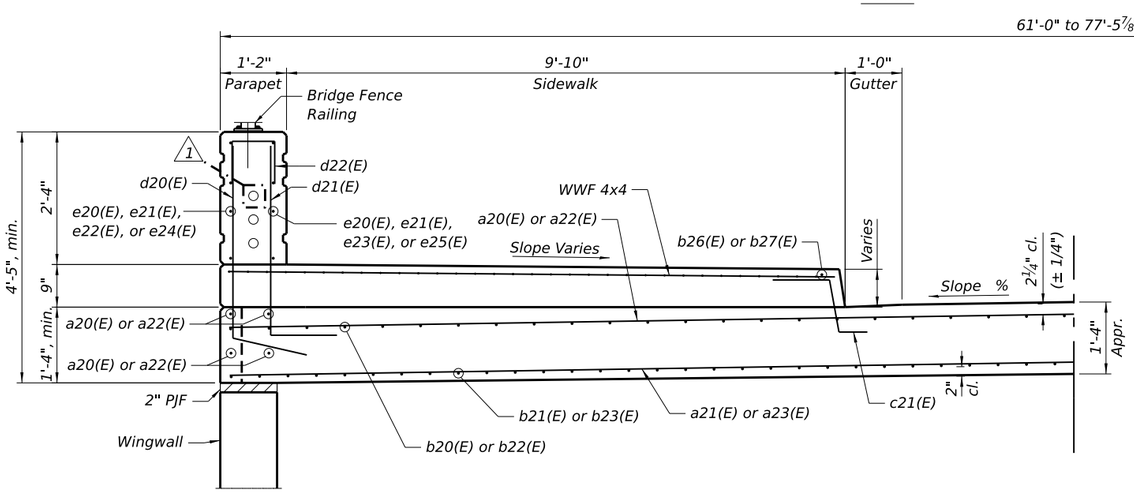
* Fabric bearing pads at the expansion end shall be recessed ¼" into the approach footing and bonded. Adjusting shims, when required, shall be bonded to the top of the fabric bearing pads.

TRAFFIC SIGNAL FOUNDATION LOCATIONS AND TYPES

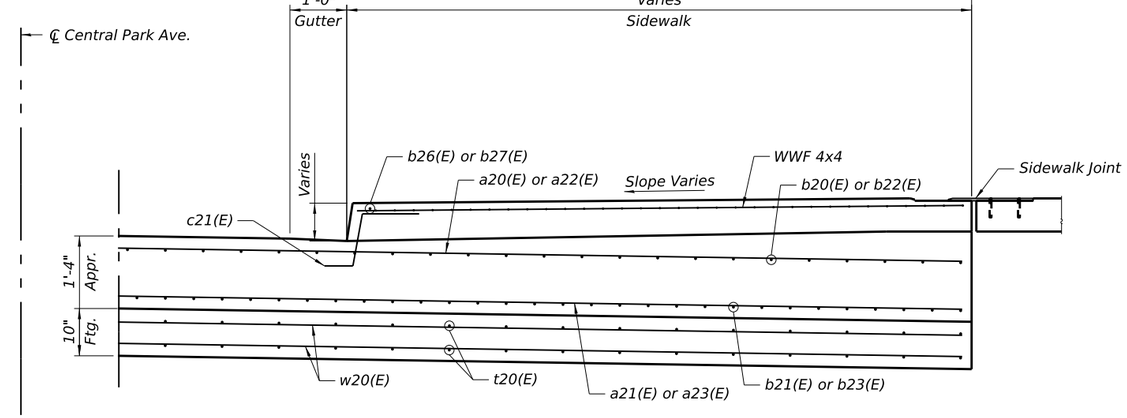
Foundation Tag	Station	Offset	Foundation Type
SW-1	602+51.40	35.29, Lt.	TS-1
SW-2	602+62.10	24.05', Lt.	TS-1
SE-1	602+61.61	23.54', Rt.	TS-1
SE-2	602+50.91	34.57', Rt.	TS-1

NOTES

1. Bars noted thus 3x2 - #5 indicates 3 lines of bars with 2 bars per line.
2. ADA sidewalk ramp concrete and reinforcement shall be paid for as part of Concrete Superstructure (Approach Slab) and Welded Wire Reinforcement, respectively.
3. For ADA sidewalk ramps slopes and dimesnions, see Roadway ADA sheets.
4. For parapet details, bar bends, Bill of Materials, and details, see Sheet S-21.
5. For ADA Ramp reinforcement plan, sidewalk joint detail, and traffic signal foundation details, see Sheet S-22.
6. For embedded conduit layout plan, see Electrical sheets.



NEAR ABUTMENT



AT APPROACH FOOTING

CROSS SECTION
(Looking North)

MINIMUM LAP LENGTHS

Bar	Lap
#5	2'-10"
#8	5'-2"

1 REVISED SHEET 1/2/2026

FILE NAME: \\icsM-dbstepw21\ICS_pdf_work_dir\100865302_18\0162091-D162K62-S020-South Appr 1.dgn

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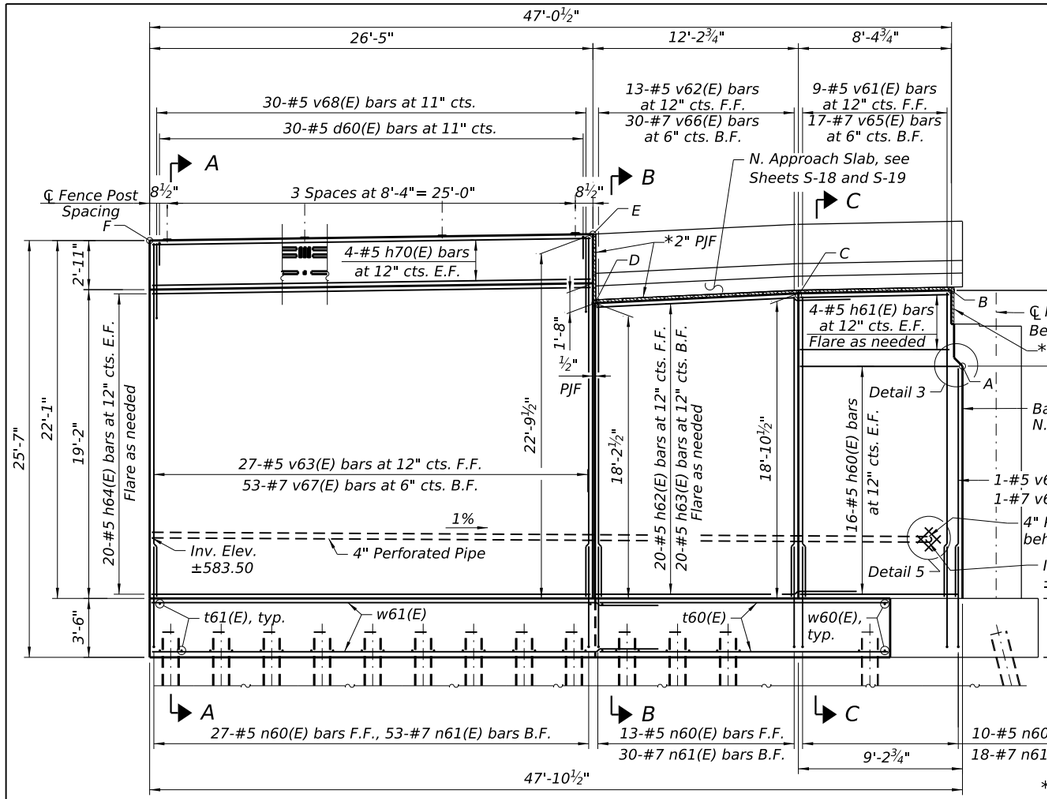
SOUTH APPROACH SLAB DETAILS (1 OF 2)
STRUCTURE NO. 016-2091

SCALE: NTS | SHEET NO. S-20 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	207

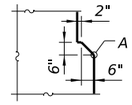
CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT



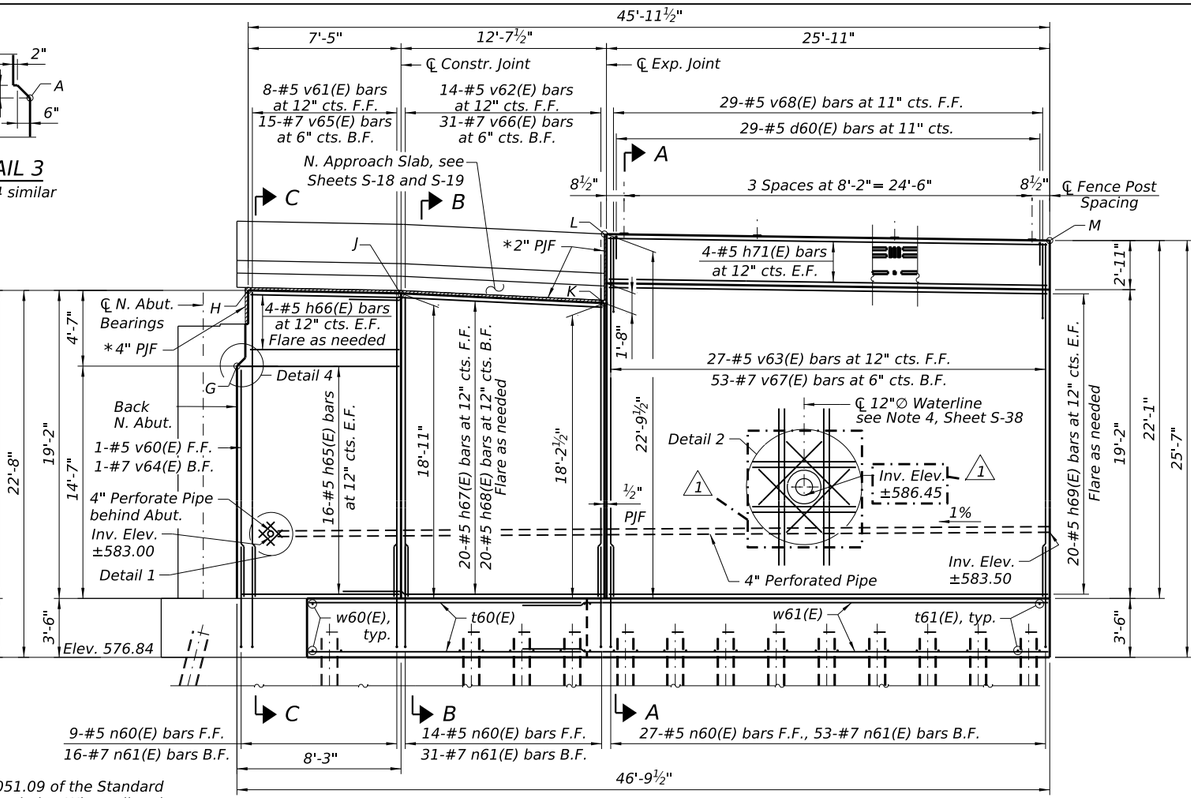
NORTHWEST UNFOLDED WINGWALL ELEVATION

(Looking North and East)
(Horizontal dimensions measured along F.F.)



DETAIL 3

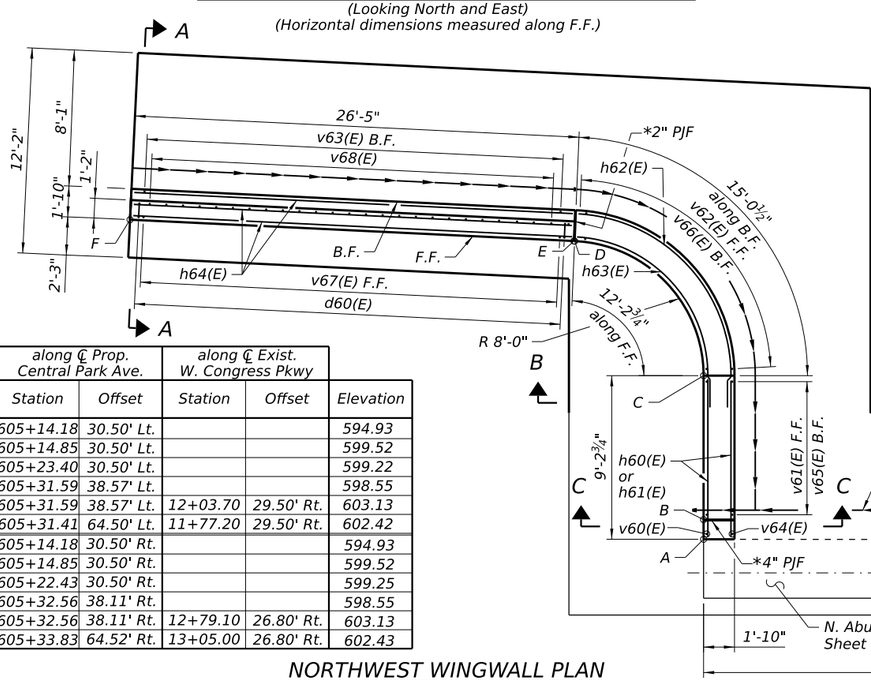
Detail 4 similar



NORTHEAST UNFOLDED WINGWALL ELEVATION

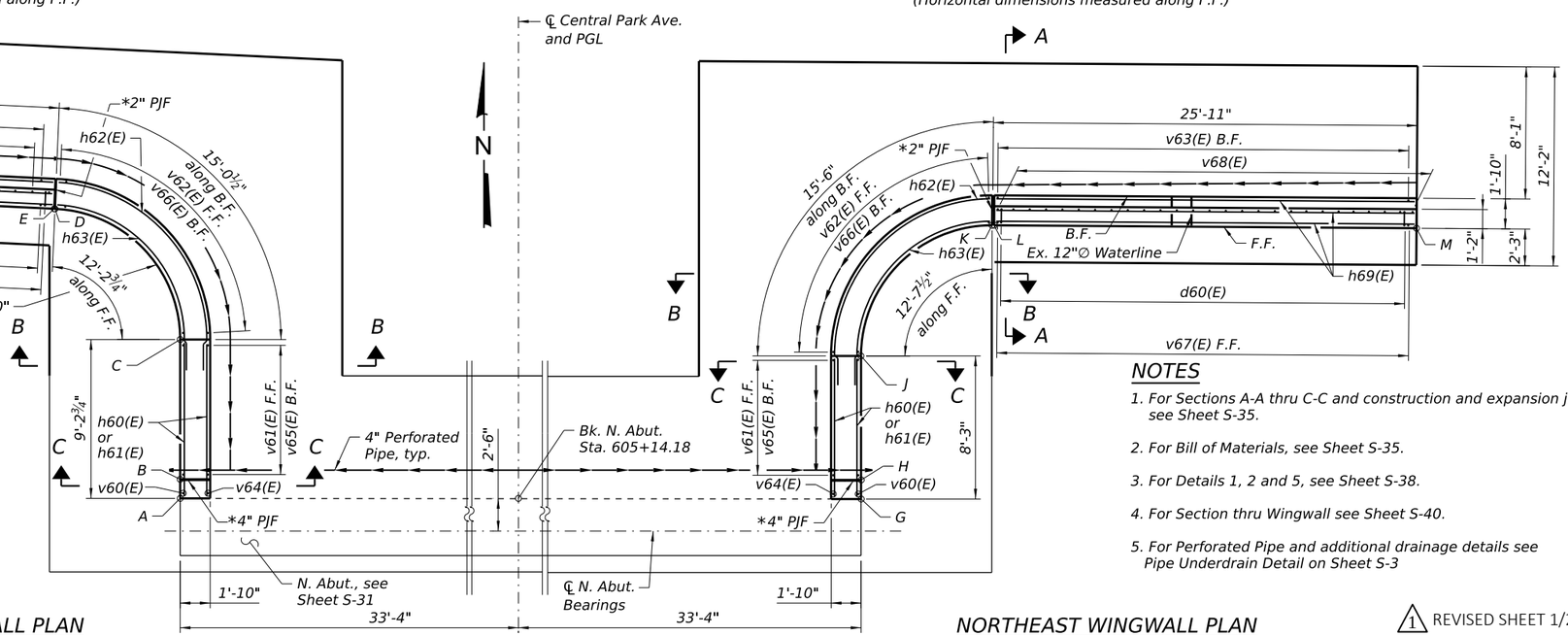
(Looking West and North)
(Horizontal dimensions measured along F.F.)

* PJF (per Article 1051.09 of the Standard Specifications) Bonded to Wingwall and diaphragm with Suitable Adhesive as Recommended by Supplier



NORTHWEST WINGWALL PLAN

	Point	along ℄ Prop. Central Park Ave. Station	Offset	along ℄ Exist. W. Congress Pkwy Station	Offset	Elevation
NW Wingwall	A	605+14.18	30.50' Lt.			594.93
	B	605+14.85	30.50' Lt.			599.52
	C	605+23.40	30.50' Lt.			599.22
	D	605+31.59	38.57' Lt.			598.55
	E	605+31.59	38.57' Lt.	12+03.70	29.50' Rt.	603.13
	F	605+31.41	64.50' Lt.	11+77.20	29.50' Rt.	602.42
NE Wingwall	G	605+14.18	30.50' Rt.			594.93
	H	605+14.85	30.50' Rt.			599.52
	J	605+22.43	30.50' Rt.			599.25
	K	605+32.56	38.11' Rt.			598.55
	L	605+32.56	38.11' Rt.	12+79.10	26.80' Rt.	603.13
	M	605+33.83	64.52' Rt.	13+05.00	26.80' Rt.	602.43



NORTHEAST WINGWALL PLAN

NOTES

1. For Sections A-A thru C-C and construction and expansion joints, see Sheet S-35.
2. For Bill of Materials, see Sheet S-35.
3. For Details 1, 2 and 5, see Sheet S-38.
4. For Section thru Wingwall see Sheet S-40.
5. For Perforated Pipe and additional drainage details see Pipe Underdrain Detail on Sheet S-3

1 REVISED SHEET 1/2/2026

FILE NAME: \\icsM-dbstepw21\ICS_pdf_work_dir\10085302_2501162091-D162K62-S033-North Wtng Plan and Elev.dgn

DBS DB STERLIN CONSULTANTS, INC. 123 N. Wacker Drive, Suite 2000 Chicago, Illinois 60606 312.857.1606

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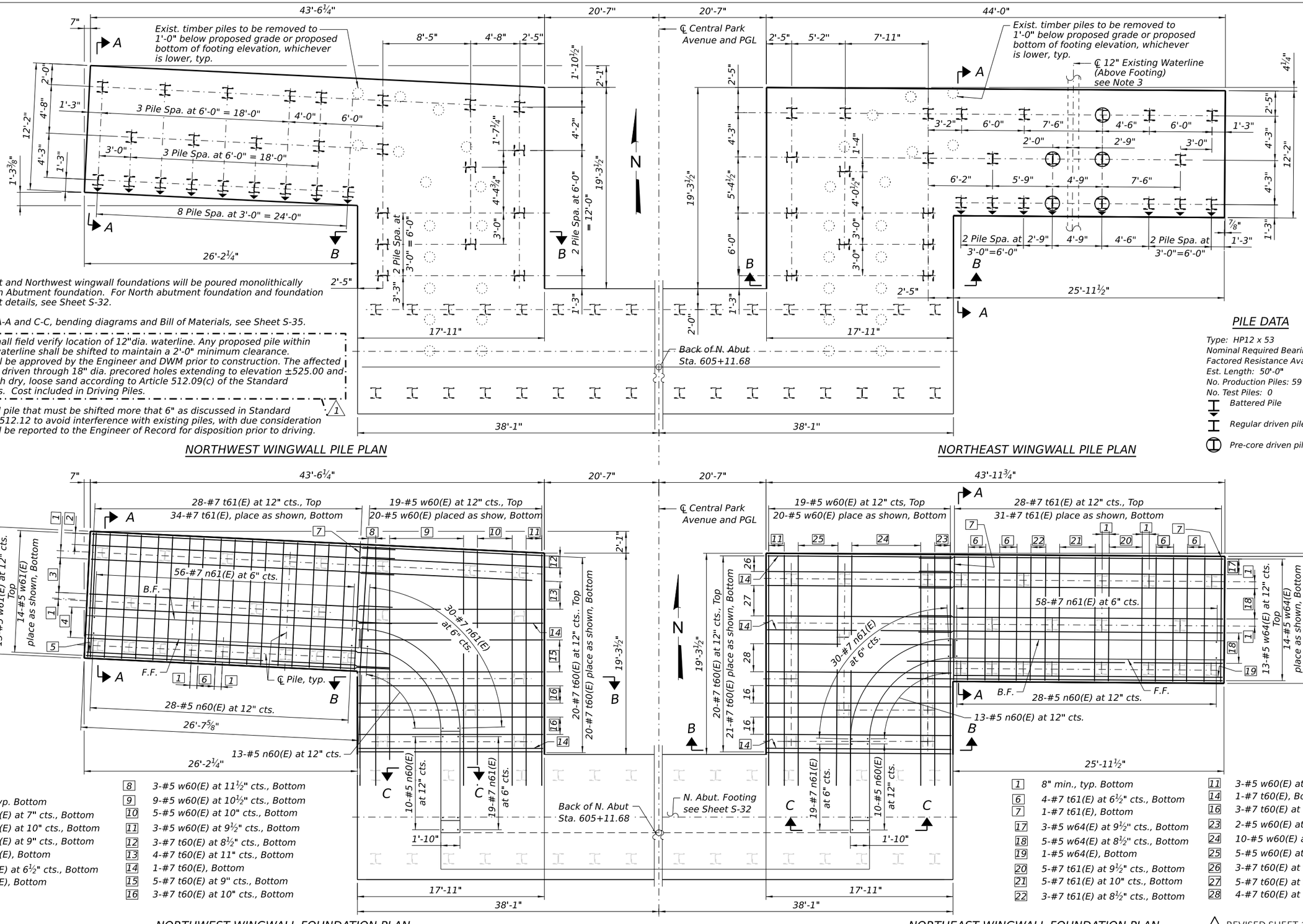
NORTH WINGWALLS PLAN AND ELEVATIONS
STRUCTURE NO. 016-2091

SCALE: NTS | SHEET NO. S-33 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	220
		CONTRACT NO. 62K62		
		ILLINOIS FED. AID PROJECT		



NOTES

1. The Northeast and Northwest wingwall foundations will be poured monolithically with the North Abutment foundation. For North abutment foundation and foundation reinforcement details, see Sheet S-32.
2. For sections A-A and C-C, bending diagrams and Bill of Materials, see Sheet S-35.
3. Contractor shall field verify location of 12"dia. waterline. Any proposed pile within 2'-0" of the waterline shall be shifted to maintain a 2'-0" minimum clearance. Location shall be approved by the Engineer and DWM prior to construction. The affected piles shall be driven through 18" dia. precored holes extending to elevation ±525.00 and backfilled with dry, loose sand according to Article 512.09(c) of the Standard Specifications. Cost included in Driving Piles.
4. Any proposed pile that must be shifted more that 6" as discussed in Standard Specification 512.12 to avoid interference with existing piles, with due consideration of batter shall be reported to the Engineer of Record for disposition prior to driving. 1

PILE DATA

Type: HP12 x 53
Nominal Required Bearing: 251 kip
Factored Resistance Available: 138 kip
Est. Length: 50'-0"
No. Production Piles: 59
No. Test Piles: 0

Battered Pile
Regular driven pile
Pre-core driven pile (See Note 3)

1	8" min., typ. Bottom
2	3-#5 w61(E) at 7" cts., Bottom
3	5-#5 w61(E) at 10" cts., Bottom
4	5-#5 w61(E) at 9" cts., Bottom
5	1-#5 w61(E), Bottom
6	4-#7 t61(E) at 6½" cts., Bottom
7	1-#7 t61(E), Bottom
8	3-#5 w60(E) at 11½" cts., Bottom
9	9-#5 w60(E) at 10½" cts., Bottom
10	5-#5 w60(E) at 10" cts., Bottom
11	3-#5 w60(E) at 9½" cts., Bottom
12	3-#7 t60(E) at 8½" cts., Bottom
13	4-#7 t60(E) at 11" cts., Bottom
14	1-#7 t60(E), Bottom
15	5-#7 t60(E) at 9" cts., Bottom
16	3-#7 t60(E) at 10" cts., Bottom
1	8" min., typ. Bottom
6	4-#7 t61(E) at 6½" cts., Bottom
7	1-#7 t61(E), Bottom
17	3-#5 w64(E) at 9½" cts., Bottom
18	5-#5 w64(E) at 8½" cts., Bottom
19	1-#5 w64(E), Bottom
20	5-#7 t61(E) at 9½" cts., Bottom
21	5-#7 t61(E) at 10" cts., Bottom
22	3-#7 t61(E) at 8½" cts., Bottom
11	3-#5 w60(E) at 9½" cts., Bottom
14	1-#7 t60(E), Bottom
16	3-#7 t60(E) at 10" cts., Bottom
23	2-#5 w60(E) at 6½" cts., Bottom
24	10-#5 w60(E) at 10½" cts., Bottom
25	5-#5 w60(E) at 11½" cts., Bottom
26	3-#7 t60(E) at 8½" cts., Bottom
27	5-#7 t60(E) at 8½" cts., Bottom
28	4-#7 t60(E) at 10" cts., Bottom

1 REVISED SHEET 1/2/2026

FILE NAME: \\icsM-dbstepw21\ICS_pdf_work_dir\10085302_9110162091-D162K62-S034-North Wlng Fdn Plan.dgn

DBS DB STERLIN CONSULTANTS, INC. 123 N. Wacker Drive, Suite 2000 Chicago, Illinois 60606 312.857.1006

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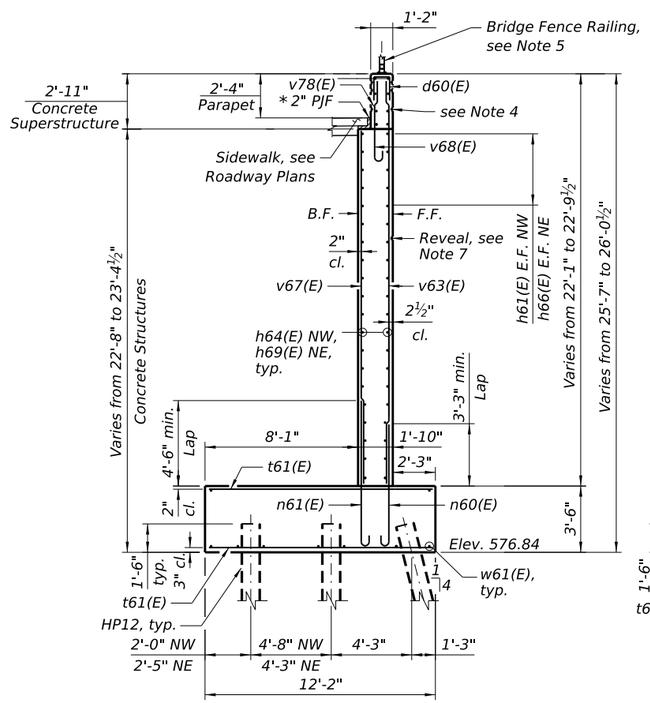
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

NORTH WINGWALLS FOUNDATION PLAN
STRUCTURE NO. 016-2091

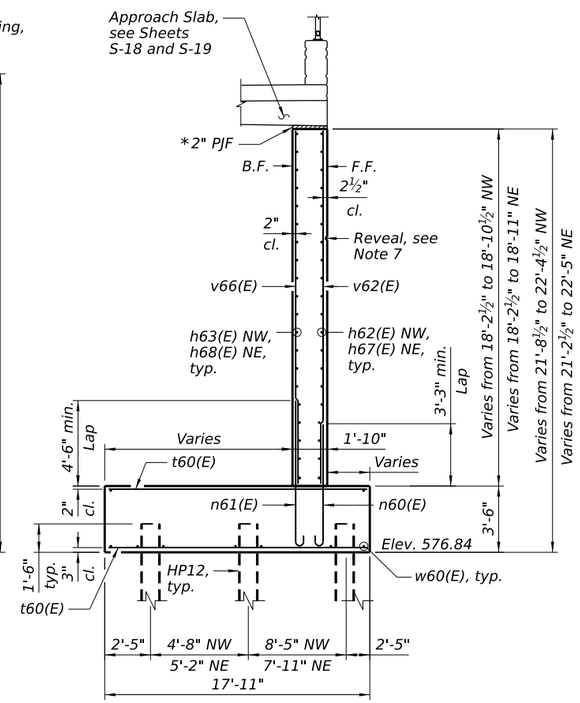
SCALE: | SHEET NO. S-34 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	221

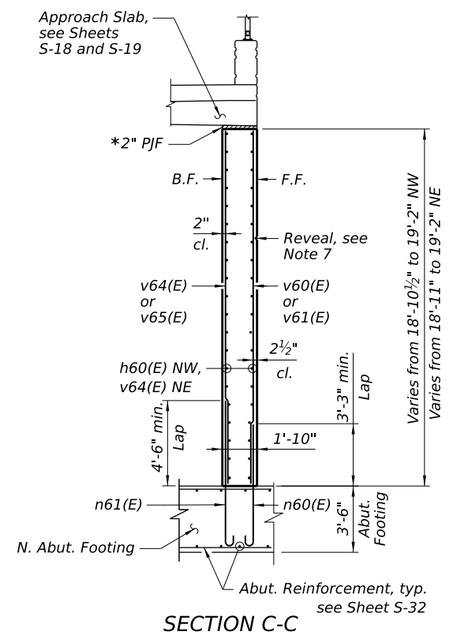
CONTRACT NO. 62K62
ILLINOIS | FED. AID PROJECT



SECTION A-A



SECTION B-B



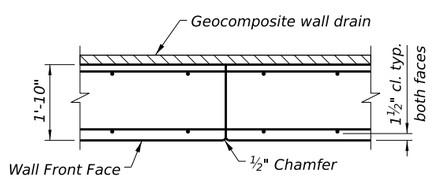
SECTION C-C

TOTAL BILL OF MATERIAL

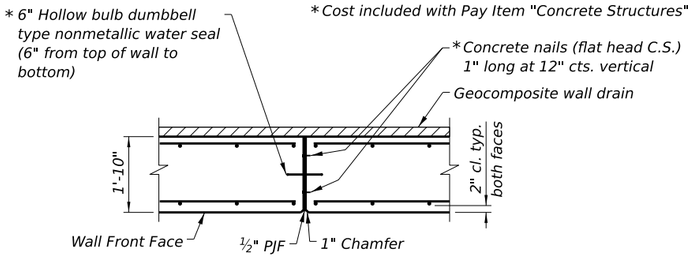
NW and NE Wingwalls

Bar	No.	Size	Length	Shape
d60(E)	59	#5	2'-5"	
h60(E)	32	#5	9'-0"	
h61(E)	8	#5	8'-4"	
h62(E)	20	#5	15'-6"	
h63(E)	20	#5	17'-10"	
h64(E)	40	#5	26'-0"	
h65(E)	32	#5	7'-5"	
h66(E)	8	#5	6'-9"	
h67(E)	20	#5	15'-11"	
h68(E)	20	#5	18'-3"	
h69(E)	40	#5	25'-6"	
h70(E)	8	#5	26'-0"	
h71(E)	8	#5	25'-6"	
h72(E)	8	#5	0'-9"	
1 h73(E)	8	#5	6'-2"	
h74(E)	8	#4	5'-4"	
n60(E)	101	#5	7'-11"	
n61(E)	204	#7	9'-4"	
t60(E)	81	#7	17'-7"	
t61(E)	121	#7	11'-10"	
v60(E)	2	#5	14'-3"	
v61(E)	17	#5	18'-8"	
v62(E)	27	#5	18'-9"	
v63(E)	55	#5	21'-11"	
v64(E)	2	#7	14'-3"	
v65(E)	32	#7	18'-8"	
v66(E)	63	#7	18'-9"	
v67(E)	107	#7	17'-9"	
v68(E)	59	#5	5'-4"	
1 v69(E)	4	#5	6'-2"	
v70(E)	4	#7	9'-4"	
w60(E)	78	#5	22'-5"	
w61(E)	54	#5	47'-1"	
Structure Excavation			Cu Yd	1,349.0
Concrete Structures			Cu Yd	304.4
Concrete Superstructure			Cu Yd	6.6
Protective Coat			Sq Yd	14
Reinforcement Bars, Epoxy Coated			Pound	30,250
Furnishing Steel Piles HP12x53			Foot	2,950
Driving Piles			Foot	2,950
Pile Shoes			Each	59
Concrete Sealer			Sq Ft	1,680
Granular Backfill for Structures			Cu Yd	932.3
Geocomposite Wall Drain			Sq Yd	200
Pipe Underdrains for Structures 4"			Foot	98

1



CONSTRUCTION JOINT

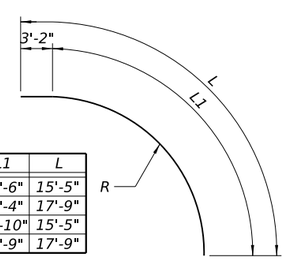


EXPANSION JOINT

NOTES

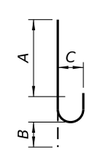
1. For location of Sections A-A thru C-C, see Sheets S-33 and S-34.
2. For Section thru Wingwall see Sheet S-40.
3. Protective Coat shall be applied to front face of parapet.
4. For parapet reveal detail, see Detail 1 Sheet S-40 and Sheet S-16 for additional details.
5. For Bridge Fence Railing details, see Sheets S-25 and S-26.
6. Concrete Sealer shall be applied to exposed front face of wingwalls per Section 587 of the Standard Specifications.
7. For drainage details behind wingwalls, see Section Thru Wingwall on Sheet S-40.
8. For reveal pattern and layout, see Sheet S-41.

BAR d60(E)



Bar	R	L1	L
h62(E)	8'-2"	12'-6"	15'-5"
h63(E)	9'-4½"	14'-4"	17'-9"
h67(E)	8'-2"	12'-10"	15'-5"
h68(E)	9'-4½"	14'-9"	17'-9"

BARS h62(E), h63(E),h67(E) AND h68(E)



Bar	A	B	C
n60(E)	7'-3"	8"	5"
n61(E)	8'-6"	10"	7"
v68(E)	4'-3"	8"	5"

BARS n60(E), n61(E) AND v68(E)

1 REVISED SHEET 1/2/2026

FILE NAME: \\csM-dbstepw21\ICS_pdf_work_dir\10085302_680\62091-D162K62-S035-North Wingwall Dets.dgn

DBS STERLIN CONSULTANTS, INC. 123 N. Wacker Drive, Suite 2000 Chicago, Illinois 60606 312.857.1606

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

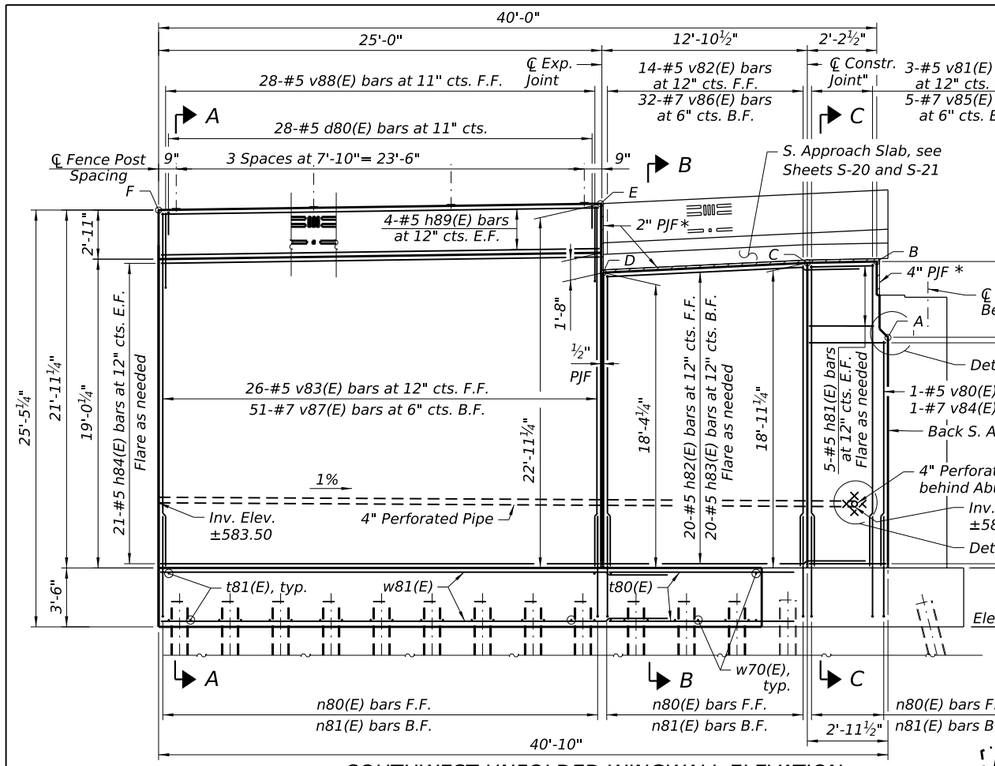
NORTH WINGWALLS DETAILS
STRUCTURE NO. 016-2091

SCALE: | SHEET NO. S-35 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	222

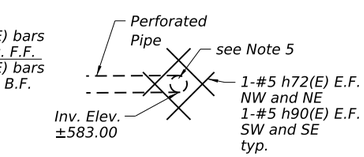
CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT



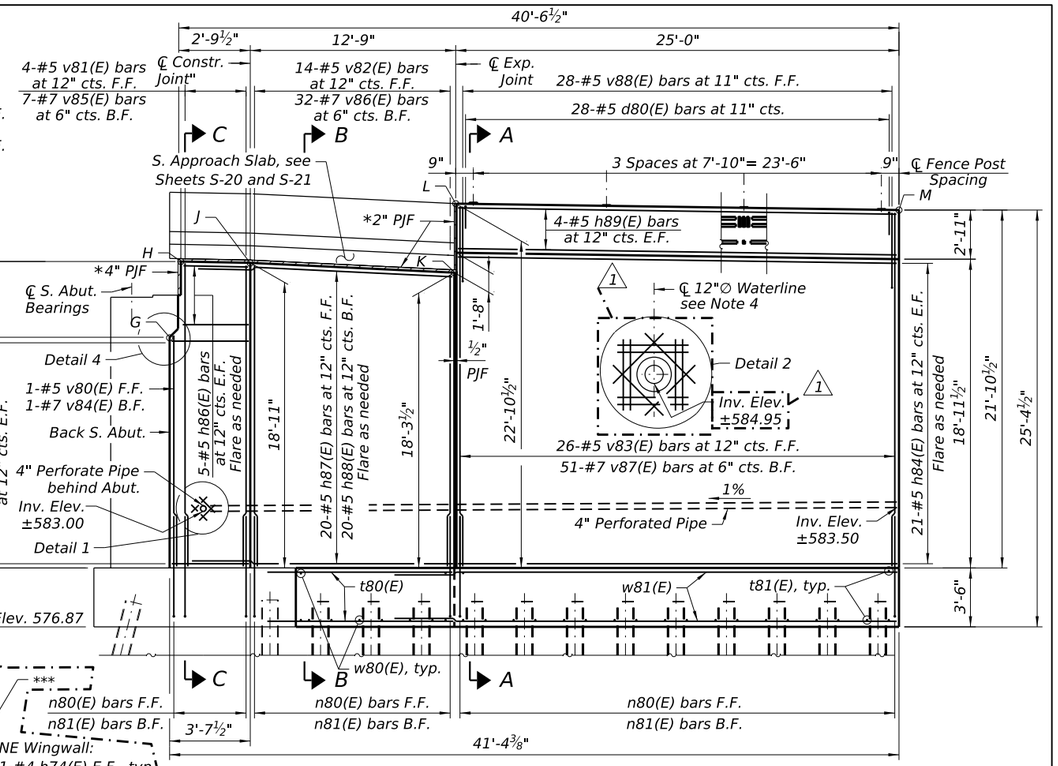
SOUTHWEST UNFOLDED WINGWALL ELEVATION

(Looking South and East)
(Horizontal dimensions measured along F.F.)



DETAIL 1

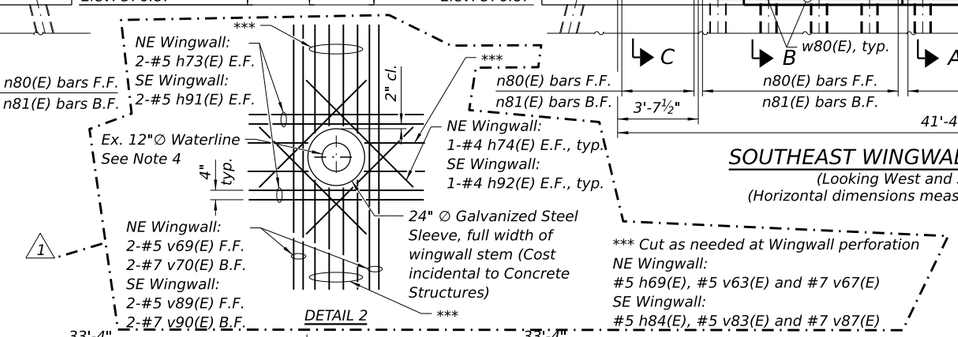
Detail 5 similar



SOUTHEAST WINGWALL ELEVATION

(Looking West and South)
(Horizontal dimensions measured along F.F.)

* PJF (per Article 1051.09 of the Standard Specifications) Bonded to Wingwall and diaphragm with Suitable Adhesive as Recommended by Supplier

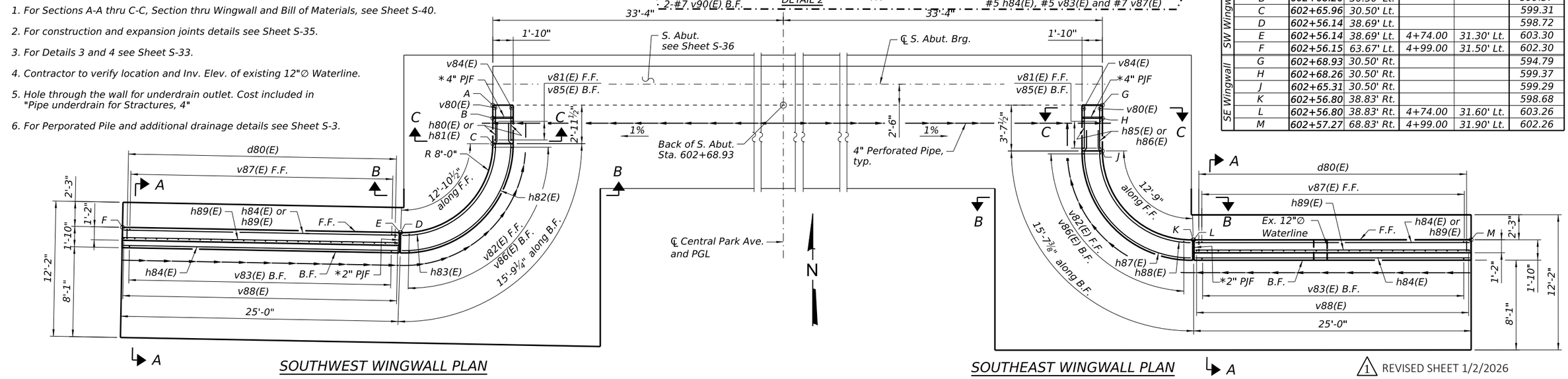


DETAIL 2

NOTES

1. For Sections A-A thru C-C, Section thru Wingwall and Bill of Materials, see Sheet S-40.
2. For construction and expansion joints details see Sheet S-35.
3. For Details 3 and 4 see Sheet S-33.
4. Contractor to verify location and Inv. Elev. of existing 12"∅ Waterline.
5. Hole through the wall for underdrain outlet. Cost included in "Pipe underdrain for Stractures, 4"
6. For Perporated Pile and additional drainage details see Sheet S-3.

	Point	along ℄ Prop. Central Park Ave. Station	Offset	along ℄ Exist. W. Harrison Street Station	Offset	Elevation
SW Wingwall	A	602+68.93	30.50' Lt.			594.79
	B	602+68.26	30.50' Lt.			599.37
	C	602+65.96	30.50' Lt.			599.31
	D	602+56.14	38.69' Lt.			598.72
	E	602+56.14	38.69' Lt.	4+74.00	31.30' Lt.	603.30
	F	602+56.15	63.67' Lt.	4+99.00	31.50' Lt.	602.30
SE Wingwall	G	602+68.93	30.50' Rt.			594.79
	H	602+68.26	30.50' Rt.			599.37
	J	602+65.31	30.50' Rt.			599.29
	K	602+56.80	38.83' Rt.			598.68
	L	602+56.80	38.83' Rt.	4+74.00	31.60' Lt.	603.26
	M	602+57.27	68.83' Rt.	4+99.00	31.90' Lt.	602.26



SOUTHWEST WINGWALL PLAN

SOUTHEAST WINGWALL PLAN

1 REVISED SHEET 1/2/2026

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DBS STERLIN CONSULTANTS, INC. 123 N. Wacker Drive, Suite 2000 Chicago, Illinois 60606 312.857.1006

USER NAME = icsM-dbstepw21$	DESIGNED - EV	REVISED - 1 12/19/2025 EV	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
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SOUTH WINGWALLS PLAN AND ELEVATION
STRUCTURE NO. 016-2091

SCALE: | SHEET NO. S-38 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	225

CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT

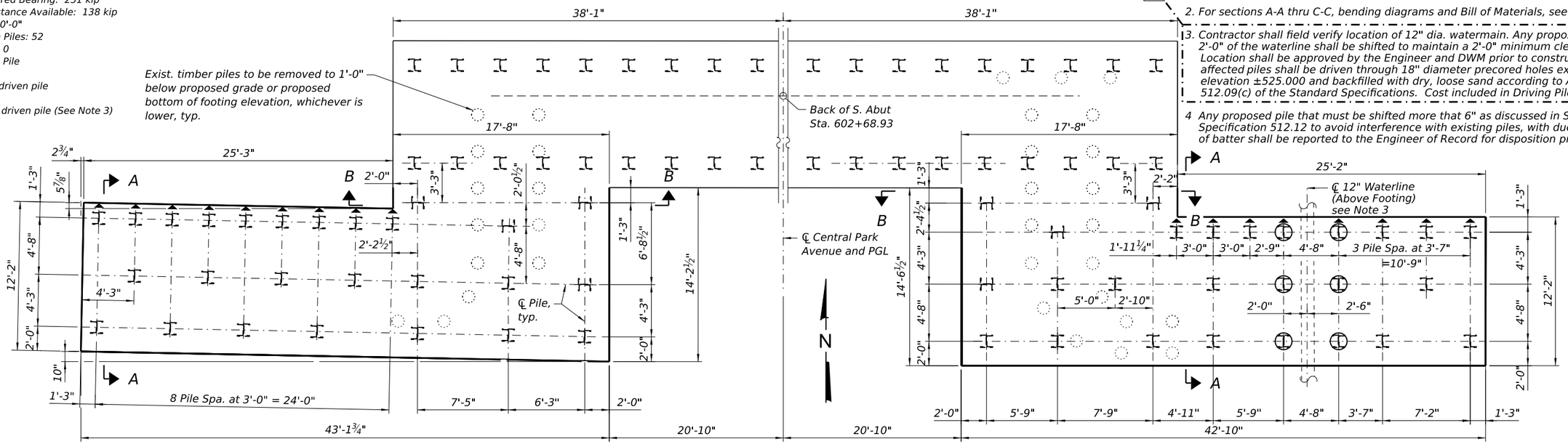
PILE DATA

Type: HP12 x 53
Nominal Required Bearing: 251 kip
Factored Resistance Available: 138 kip
Est. Length: 50'-0"
No. Production Piles: 52
No. Test Piles: 0

- Battered Pile
- Regular driven pile
- Pre-core driven pile (See Note 3)

NOTES

1. The Southeast and Southwest wingwall foundations will be poured monolithically with the South Abutment foundation. For South abutment foundation and reinforcement details, see Sheet S-37.
2. For sections A-A thru C-C, bending diagrams and Bill of Materials, see Sheet S-40.
3. Contractor shall field verify location of 12" dia. watermain. Any proposed pile within 2'-0" of the waterline shall be shifted to maintain a 2'-0" minimum clearance. Location shall be approved by the Engineer and DWM prior to construction. The affected piles shall be driven through 18" diameter precored holes extending to elevation ±525.000 and backfilled with dry, loose sand according to Article 512.09(c) of the Standard Specifications. Cost included in Driving Piles.
4. Any proposed pile that must be shifted more that 6" as discussed in Standard Specification 512.12 to avoid interference with existing piles, with due consideration of batter shall be reported to the Engineer of Record for disposition prior to driving.

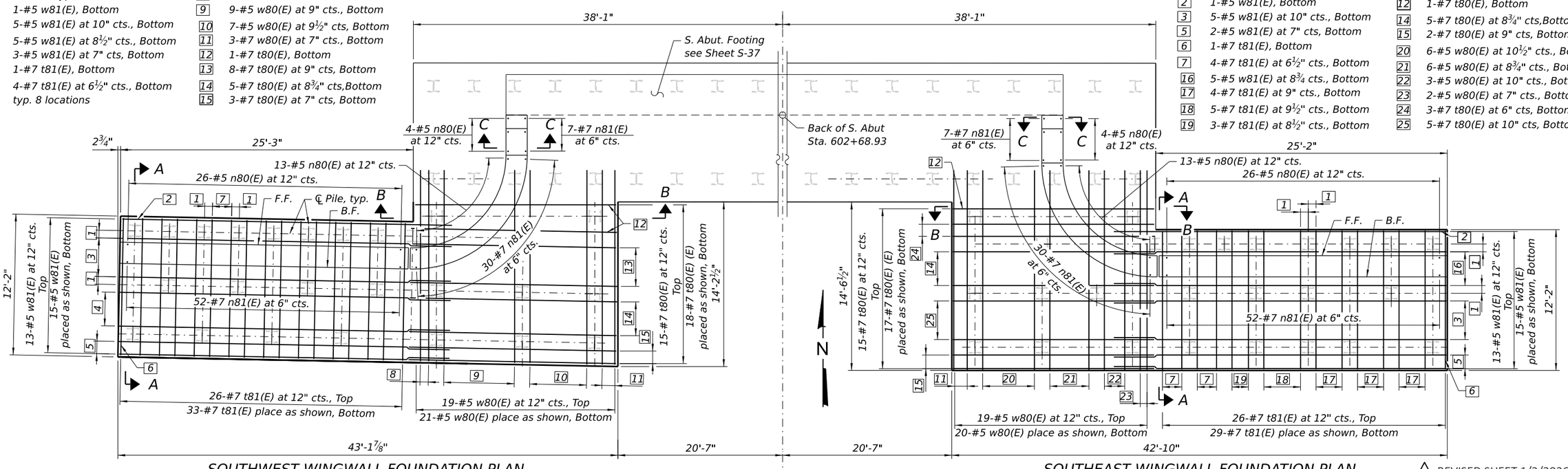


SOUTHWEST WINGWALL PILE PLAN

SOUTHEAST WINGWALL PILE PLAN

1	8" min., typ. Bottom	8	2-#5 w80(E) at 9" cts., Bottom
2	1-#5 w81(E), Bottom	9	9-#5 w80(E) at 9" cts., Bottom
3	5-#5 w81(E) at 10" cts., Bottom	10	7-#5 w80(E) at 9½" cts, Bottom
4	5-#5 w81(E) at 8½" cts., Bottom	11	3-#7 w80(E) at 7" cts., Bottom
5	3-#5 w81(E) at 7" cts, Bottom	12	1-#7 t80(E), Bottom
6	1-#7 t81(E), Bottom	13	8-#7 t80(E) at 9" cts, Bottom
7	4-#7 t81(E) at 6½" cts., Bottom typ. 8 locations	14	5-#7 t80(E) at 8¾" cts,Bottom
		15	3-#7 t80(E) at 7" cts, Bottom

1	8" min., typ. Bottom	11	2-#5 w80(E) at7" cts., Bottom
2	1-#5 w81(E), Bottom	12	1-#7 t80(E), Bottom
3	5-#5 w81(E) at 10" cts., Bottom	14	5-#7 t80(E) at 8¾" cts,Bottom
5	2-#5 w81(E) at 7" cts, Bottom	15	2-#7 t80(E) at 9" cts, Bottom
6	1-#7 t81(E), Bottom	20	6-#5 w80(E) at 10½" cts., Bottom
7	4-#7 t81(E) at 6½" cts., Bottom	21	6-#5 w80(E) at 8¾" cts., Bottom
16	5-#5 w81(E) at 8¾ cts., Bottom	22	3-#5 w80(E) at 10" cts., Bottom
17	4-#7 t81(E) at 9" cts., Bottom	23	2-#5 w80(E) at 7" cts., Bottom
18	5-#7 t81(E) at 9½" cts., Bottom	24	3-#7 t80(E) at 6" cts, Bottom
19	3-#7 t81(E) at 8½" cts., Bottom	25	5-#7 t80(E) at 10" cts, Bottom



SOUTHWEST WINGWALL FOUNDATION PLAN

SOUTHEAST WINGWALL FOUNDATION PLAN

1 REVISED SHEET 1/2/2026

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DBS DB STERLIN CONSULTANTS, INC. 123 N. Wacker Drive, Suite 2000 Chicago, Illinois 60606 312.857.1006

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PLOT DATE = 12/12/2025	CHECKED - BJN	REVISED -	
PLOT TIME = 8:44:28 PM	DATE -	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH WINGWALLS FOUNDATION PLAN
STRUCTURE NO. 016-2091

SCALE: | SHEET NO. S-39 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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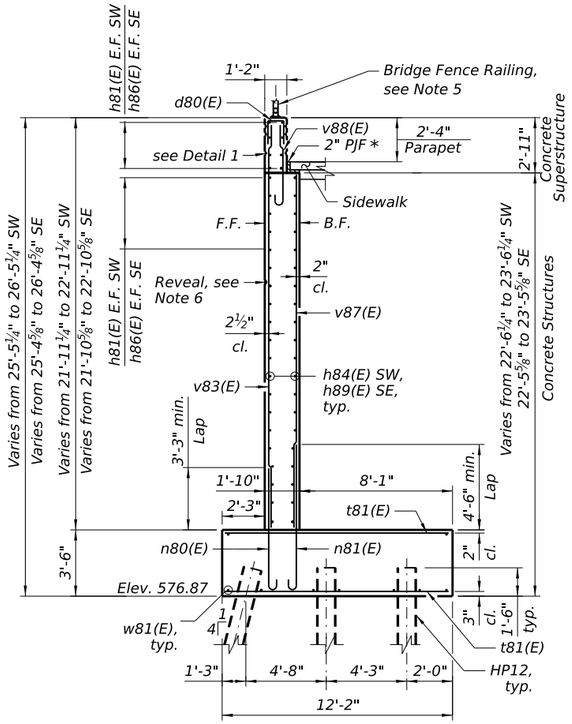
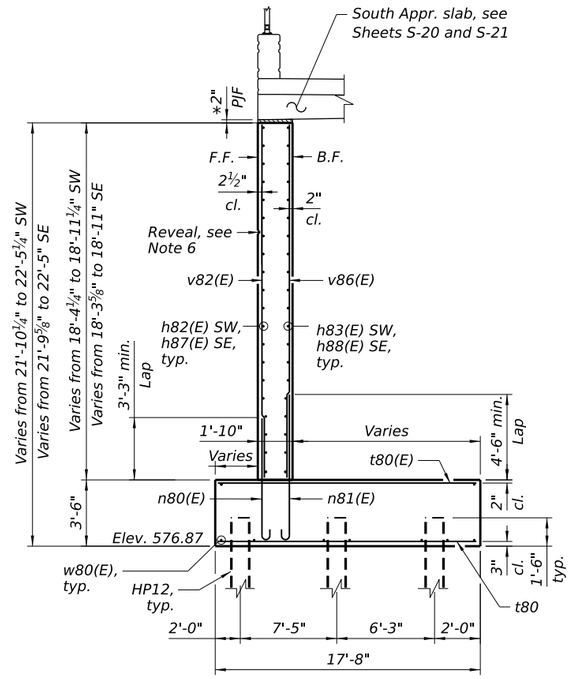
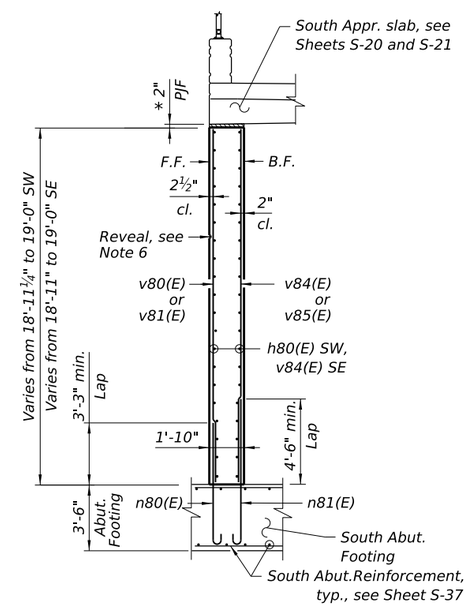
		CONTRACT NO. 62K62		
		ILLINOIS	FED. AID PROJECT	



SECTION A-A



SECTION B-B



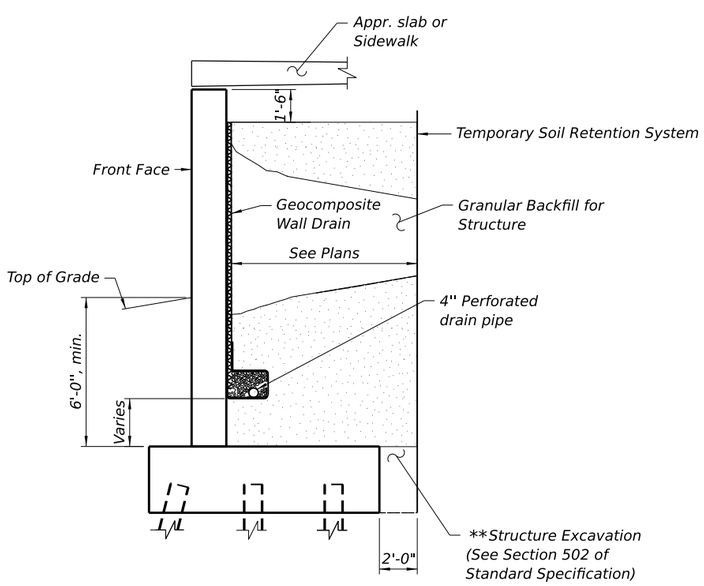
SECTION C-C

* Cost included with Concrete Structures

TOTAL BILL OF MATERIAL

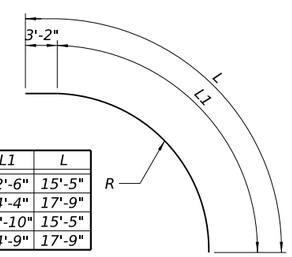
SW and SE Wingwalls

Bar	No.	Size	Length	Shape
d80(E)	56	#5	2'-5"	
h80(E)	30	#5	2'-9"	
h81(E)	10	#5	1'-11"	
h82(E)	20	#5	16'-2"	
h83(E)	20	#5	18'-6"	
h84(E)	84	#5	24'-7"	
h85(E)	30	#5	3'-5"	
h86(E)	10	#5	2'-7"	
h87(E)	20	#5	16'-0"	
h88(E)	20	#5	18'-5"	
h89(E)	16	#5	24'-7"	
h90(E)	8	#5	0'-9"	
h91(E)	8	#5	6'-2"	
h92(E)	8	#4	5'-4"	
n80(E)	89	#5	7'-9"	
n81(E)	180	#7	8'-6"	
t80(E)	65	#7	17'-6"	
t81(E)	114	#7	11'-10"	
v80(E)	2	#5	14'-1"	
v81(E)	7	#5	18'-9"	
v82(E)	28	#5	18'-4"	
v83(E)	52	#5	18'-9"	
v84(E)	2	#7	14'-1"	
v85(E)	12	#7	18'-9"	
v86(E)	64	#7	18'-4"	
v87(E)	102	#7	21'-9"	
v88(E)	59	#5	5'-4"	
v89(E)	4	#5	6'-2"	
v90(E)	4	#7	9'-4"	
w80(E)	80	#5	18'-4"	
w81(E)	56	#5	43'-2"	
Structure Excavation			Cu Yd	1,144.3
Concrete Structures			Cu Yd	265.8
Concrete Superstructure			Cu Yd	6.3
Protective Coat			Sq Yd	13
Reinforcement Bars, Epoxy Coated			Pound	27,100
Furnishing Steel Piles HP12x53			Foot	2,600
Driving Piles			Foot	2,600
Pile Shoes			Each	52
Concrete Sealer			Sq Ft	1,456
Granular Backfill for Structures			Cu Yd	854.7
Geocomposite Wall Drain			Sq Yd	183
Pipe Underdrains for Structures 4"			Foot	85



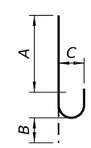
SECTION THRU WINGWALL

BAR d80(E)



Bar	R	L1	L
h82(E)	8'-2"	12'-6"	15'-5"
h83(E)	9'-4½"	14'-4"	17'-9"
h87(E)	8'-2"	12'-10"	15'-5"
h88(E)	9'-4½"	14'-9"	17'-9"

BARS h82(E), h83(E),h87(E) AND h88(E)

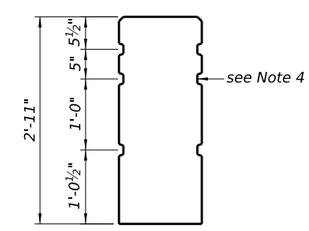


Bar	A	B	C
n80(E)	7'-3"	8"	5"
n81(E)	8'-6"	10"	7"
v88(E)	4'-3"	8"	5"

BARS n80(E), n81(E) AND v88(E)

NOTES

1. For location of Sections A-A thru C-C, see Sheets S-38 and S-39
2. Concrete Sealer shall be applied to exposed front face of wingwalls per Section 587 of the Standard Specifications.
3. Protective Coat shall be applied to front face of parapet.
4. For additional parapet reveal details, see Sheet S-16.
5. For Bridge Fence Railing details, see Sheets S-25 and S-26.
6. For reveal pattern and layout, see Sheet S-41.



DETAIL 1

1 REVISED SHEET 1/2/2026

FILE NAME: \\csM-dbstepw21\CS_pdf_work_dir\100816302_89\0162091-D162K62-S040-South Wing Dets.dgn

DBS DB STERLIN CONSULTANTS, INC. 123 N. Wacker Drive, Suite 2000 Chicago, Illinois 60606 312.857.1006

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOUTH WINGWALLS DETAILS
STRUCTURE NO. 016-2091

SCALE: | SHEET NO. S-40 OF S-50 SHEETS

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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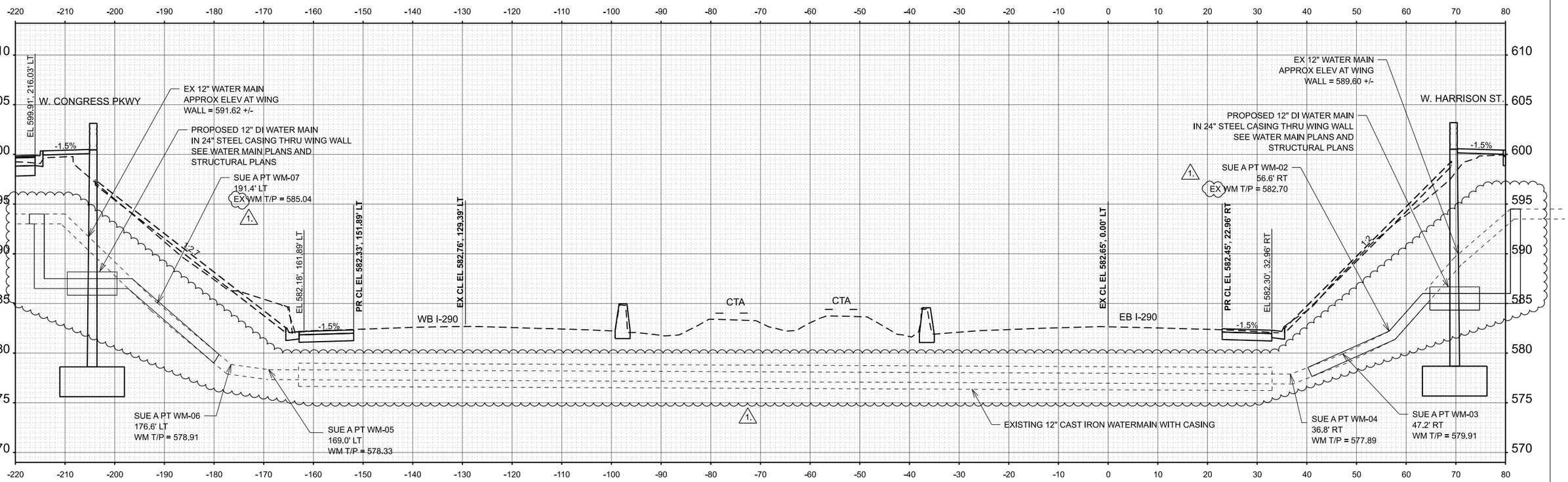
		CONTRACT NO. 62K62		
		ILLINOIS	FED. AID PROJECT	



STA 173+04.10

1 REVISED SHEET 1/2/2026

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Jacobs

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

I-290
CROSS SECTIONS

SCALE: 1" = 10' | SHEET NO. XS-12 OF XS-13 SHEETS | STA. 173+04.10

F.A.I. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
290	2019-189-BR	COOK	250	249

CONTRACT NO. 62K62

ILLINOIS | FED. AID PROJECT