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FILE: \\nort-primera-pw-bentley.com\primera-pw-01\Documents\01 Projects\2020\20200425.00 - DDOT Phase II Various Design\20200425.05 W05 Touhy over N. Branch of Chicago River\Drawings\Current Drawing Files\CADD Sheets\Roadway\1090-10-Int-S00-04
REV W JACOBIN RLYS SUITE 600 CHICAGO IL 60610 P.312-465-0910 F312-465-0915

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	CONSTRUCTION CODE	CONSTRUCTION CODE	CONSTRUCTION CODE
				ROADWAY	BRIDGE	TRAFFIC SIGNAL	LIGHTING
				0013	0013	0021	0021
				100% STATE	100% LOCAL	100% LOCAL	100% LOCAL
				TOUHY AVE SN 016-0363	TOUHY AVE SN 016-0363	TOUHY AVE SN 016-0363	TOUHY AVE SN 016-0363
70307120	TEMPORARY PAVEMENT MARKING - LINE 4" - TYPE IV TAPE	FOOT	6,291	6,291			
70307130	TEMPORARY PAVEMENT MARKING - LINE 6" - TYPE IV TAPE	FOOT	1,730	1,730			
70307160	TEMPORARY PAVEMENT MARKING - LINE 12"- TYPE IV TAPE	FOOT	420	420			
70307210	TEMPORARY PAVEMENT MARKING - LINE 24"- TYPE IV TAPE	FOOT	72	72			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	482	482			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	335	335			
70600255	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2			
70600322	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 2	EACH	2	2			
* 72000100	SIGN PANEL - TYPE 1	SQ FT	67	51		16	
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1			
* 72400205	REMOVE AND RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1			
* 72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	23	23			
* 72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	26	26			
* 72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	1	1			
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	15	15			
* 72900100	METAL POST - TYPE A	FOOT	112	112			
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1	1			
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	136	136			
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3,891	3,891			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	353	353			
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	449	449			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	47	47			
* 78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	98	98			
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	1,179	1,179			
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	30	30			
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	51	51			
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	20	20			
* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	98	98			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	113	113			
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	120	120			
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	4	4			
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	85	85			
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	3,243	3,243			
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,258			1,258	
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	65			65	

* SPECIALTY ITEM

	USER NAME = rvandermus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES TOUHY AVENUE OVER NORTH BRANCH CHICAGO RIVER			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - RMV	REVISED -					341	95-B	COOK	124	6
	PLOT SCALE = 2.0000' / in.	CHECKED - MPV	REVISED +					CONTRACT NO. 62D34				
	PLOT DATE = 10/14/2025	DATE -	REVISED +					ILLINOIS FED. AID PROJECT				
				SCALE:		SHEET 6	OF 124 SHEETS	STA.	TO STA.			

1 REVISD SHEET 1/6/2026

MODEL: Default
FILE: \\nautilus-pw-bentley.com\primera-pw-01\Documents\01 - Projects\2020\20200425-00 - DDOT Phase II Various Design\20200425-05_W05_Touhy over N_Branch of Chicago River\Drawings\Current Drawing Files\CADD_Sheets\Roadway\1090-10-int-S00-05
REV W JACOBSON RVDL SUITE 600 CHICAGO IL 60601 P.312-465-6010 F.312-465-6015

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	CONSTRUCTION CODE	CONSTRUCTION CODE	CONSTRUCTION CODE
				ROADWAY	BRIDGE	TRAFFIC SIGNAL	LIGHTING
				0013 80% FED 20% STATE	0013 100% LOCAL	0021 100% LOCAL	0021 100% LOCAL
				TOUHY AVE SN 016-0363	TOUHY AVE SN 016-0363	TOUHY AVE SN 016-0363	TOUHY AVE SN 016-0363
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	259			222	37
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	247				247
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	4				4
81400100	HANDHOLE	EACH	7			7	
81400200	HEAVY-DUTY HANDHOLE	EACH	1			1	
81400300	DOUBLE HANDHOLE	EACH	1			1	
81603600	UNIT DUCT, 600V, 6-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 1 1/2" DIA. POLYETHYLENE	FOOT	783				783
81702120	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 8	FOOT	2,065				2,065
81800240	AERIAL CABLE, 2-1/C NO. 8 WITH MESSENGER WIRE	FOOT	1,025				1,025
81800450	AERIAL CABLE, 4-1/C NO. 8 WITH MESSENGER WIRE	FOOT	1,025				1,025
83057355	LIGHT POLE, WOOD, 60 FOOT, CLASS 4, WITH 15FT MAST ARM	EACH	4				4
83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	40				40
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	4				4
84100110	REMOVAL OF TEMPORARY LIGHTING UNIT	EACH	4				4
84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	4				4
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1	
86400100	TRANSCEIVER - FIBER OPTIC	EACH	1			1	
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,385			2,385	
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	327			327	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	619			619	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,584			1,584	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	437			437	
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,037			1,037	
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	68			68	
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	266			266	
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2			2	
87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	2			2	
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1			1	
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1			1	
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1			1	
87702180	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 16 FT. AND 26 FT.	EACH	1			1	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8			8	
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4	
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4			4	
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	21			21	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13			13	
87900200	DRILL EXISTING HANDHOLE	EACH	2			2	
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6			6	
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	3			3	

REVISED SHEET 1/6/2026



USER NAME = rvandermus	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN - RMV	REVISED -
PLOT DATE = 10/14/2025	CHECKED - MPV	REVISED +
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TOUHY AVENUE OVER NORTH BRANCH CHICAGO RIVER

SCALE: SHEET 7 OF 124 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	95-B	COOK	124	7
CONTRACT NO. 62D34				
ILLINOIS FED. AID PROJECT				

MODEL: Default
FILE: \\nrtm\c:\p\l\primera-pw-bentley.com\primera-pw-01\Documents\01 Projects\2020\20200425.00 - DDOT Phase II Various Design\20200425.05 W05 Touhy over N. Branch of Chicago River\Drawings\Current Drawing Files\CADD Sheets\Roadway\109010-ent-S00-06
REV W JACOBSON RLYS SUITE 600 CHICAGO IL 60610 P.312-465-6010 F.312-465-6015

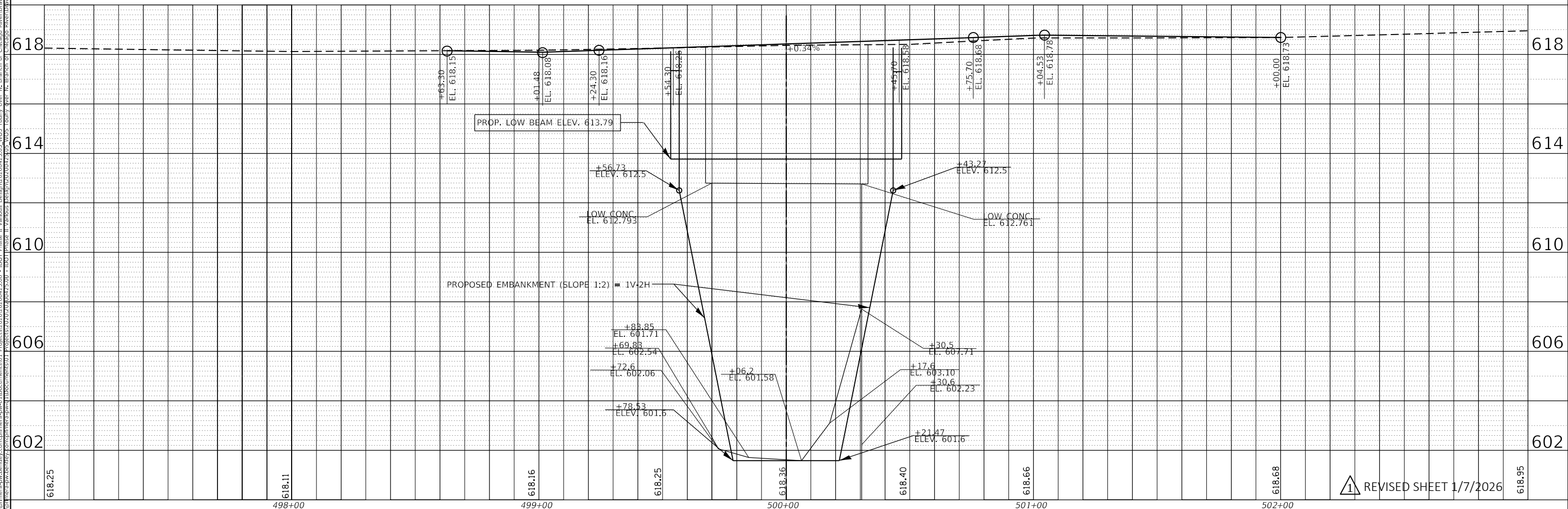
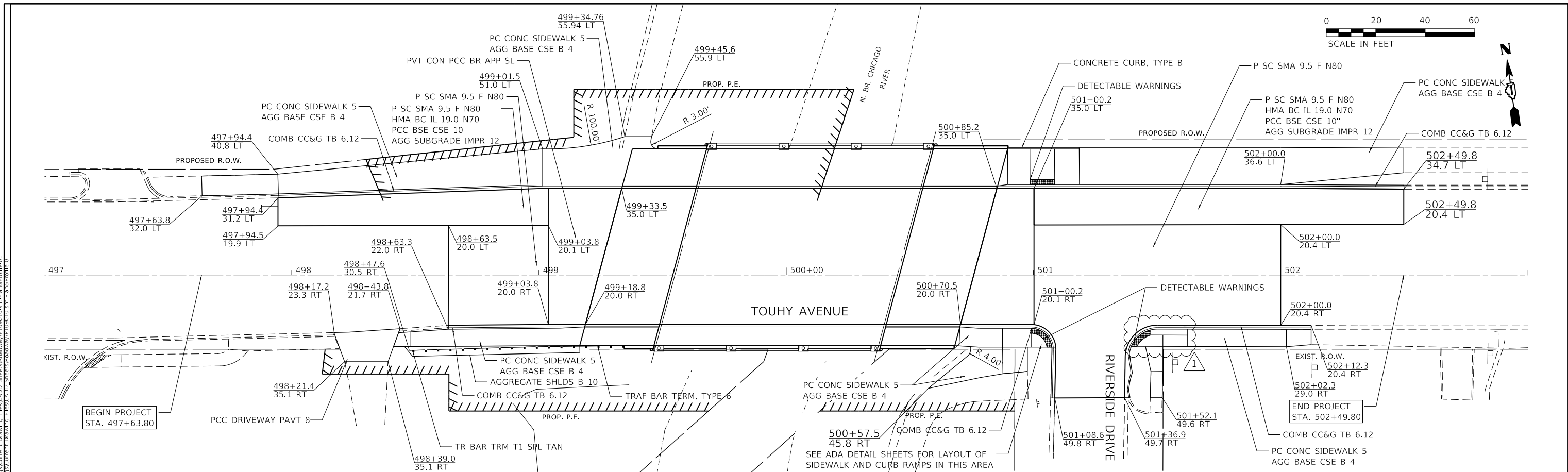
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE	CONSTRUCTION CODE	CONSTRUCTION CODE	CONSTRUCTION CODE
				ROADWAY	BRIDGE	TRAFFIC SIGNAL	LIGHTING
				0013	0013	0021	0021
				100% STATE	100% LOCAL	100% LOCAL	100% LOCAL
				TOUHY AVE SN 016-0363	TOUHY AVE SN 016-0363	TOUHY AVE SN 016-0363	TOUHY AVE SN 016-0363
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1			1	
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	1			1	
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4			4	
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9			9	1
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	6			6	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	317			317	1
* 88700200	LIGHT DETECTOR	EACH	2			2	
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1	
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,770			4,770	
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	715			715	1
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1	
* 89502380	REMOVE EXISTING HANDHOLE	EACH	6			6	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7			7	
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	275			275	1
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	564			564	
* X0326654	ORNAMENTAL LIGHT UNIT, COMPLETE	EACH	8				8
X0350810	BOLLARD REMOVAL	EACH	2	2			
X0327999	ANTI-GRAFFITI COATING	SQ FT	1,298		1,298		
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1			1	
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2			2	
X2010400	STUMP REMOVAL ONLY	UNIT	1	1			
X2010516	SELECTIVE CLEARING	UNIT	1.00	1.00			
X2511630	EROSION CONTROL BLANKET (SPECIAL)	SQ YD	446	446			
X4240114	TEMPORARY SIDEWALK	SQ FT	2,542	2,542			
X4240116	TEMPORARY SIDEWALK RAMP	EACH	2	2			
X5021512	COFFERDAM (TYPE 1) (IN-STREAM/WETLAND WORK)	EACH	1	1			
X5030282	FORM LINER TEXTURED SURFACE (SPECIAL)	SQ FT	652		652		
X5030290	STAINING CONCRETE STRUCTURES	SQ FT	652		652		
* X5091730	BRIDGE FENCE RAILING (SPECIAL)	FOOT	231	231			
X5230176	DRAINAGE SCUPPERS, DS-12	EACH	9	9			
X5427602	REMOVE EXISTING FLARED END SECTION	EACH	1	1			
X5509900	ABANDON AND FILL EXISTING STORM SEWER	FOOT	233	233			
X5610662	WATER MAIN TO BE ABANDONED, 12"	FOOT	311		311		
X5610712	WATER MAIN REMOVAL, 12"	FOOT	10		10		
X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	2		2		

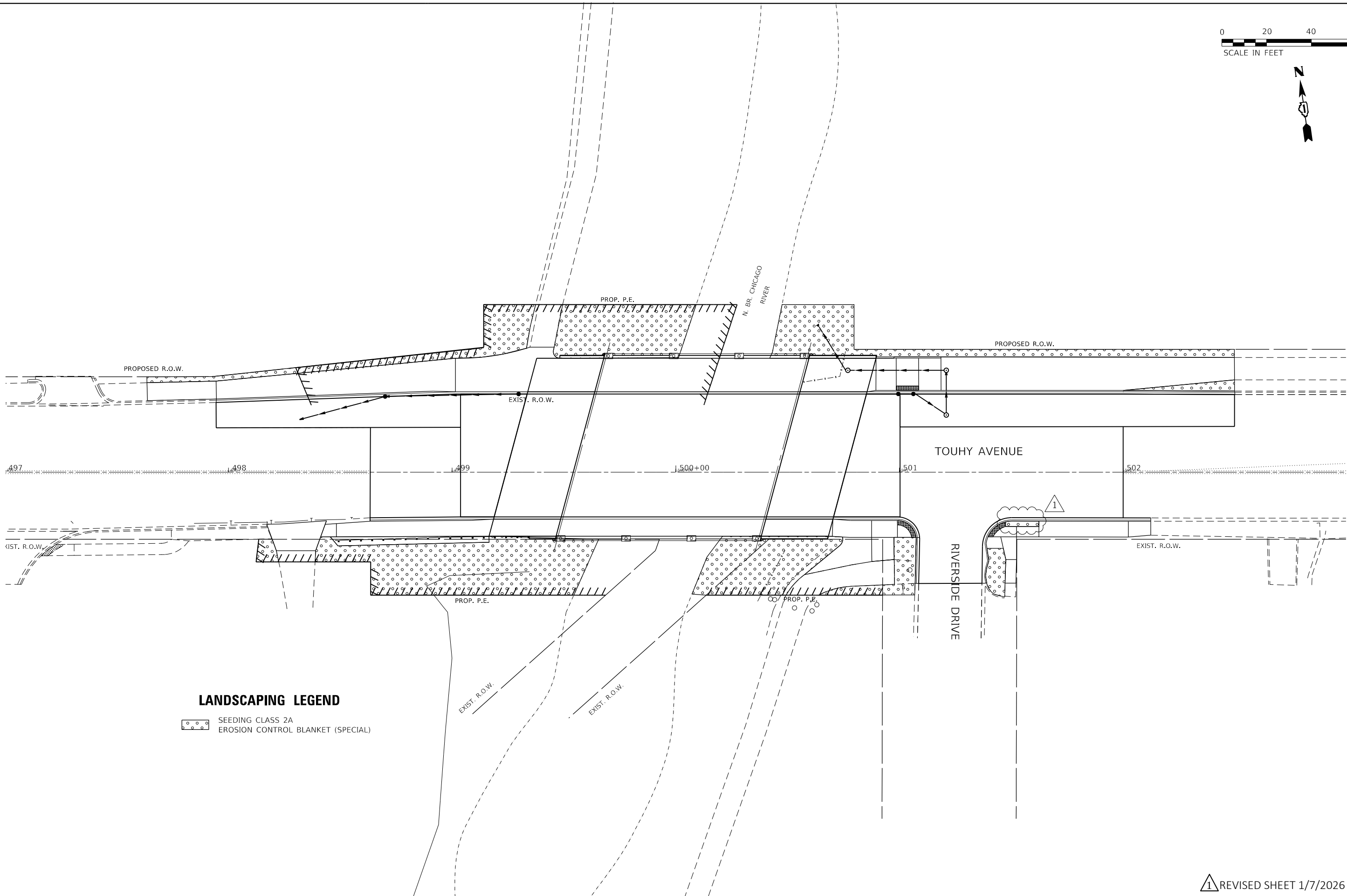
* SPECIALTY ITEM

Primera 950 W. JACKSON BLVD. SUITE 600 CHICAGO IL 60601 P.312-465-0910 F.312-465-0915	USER NAME = rvandermus	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES TOUHY AVENUE OVER NORTH BRANCH CHICAGO RIVER				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 2.0000' / in.	DRAWN - RMV	REVISED -						341	95-B	COOK	124	8
	PLOT DATE = 10/14/2025	CHECKED - MPV	REVISED +		CONTRACT NO. 62D34								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET 8	OF 124 SHEETS	STA.	TO STA.				

1 REVISED SHEET 1/6/2026

PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
	GRADES CHECKED _____		
	D.I.M. NOTED _____		
NOTE BOOK _____	STRUCTURE NOTATIONS CHKD _____		
NO. _____			





LANDSCAPING LEGEND

- SEEDING CLASS 2A
- EROSION CONTROL BLANKET (SPECIAL)

1 REVISED SHEET 1/7/2026

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1601 W. JACKSON BLVD, SUITE 400, CHICAGO, IL 60641, P.312-405-4010 F.312-405-0415



USER NAME	= rvandermus
DESIGNED	-
DRAWN	- RMV
CHECKED	- MPV
DATE	-

REVISED	1	1/6/2026	RMV
REVISED	-		
REVISED	-		
REVISED	-		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

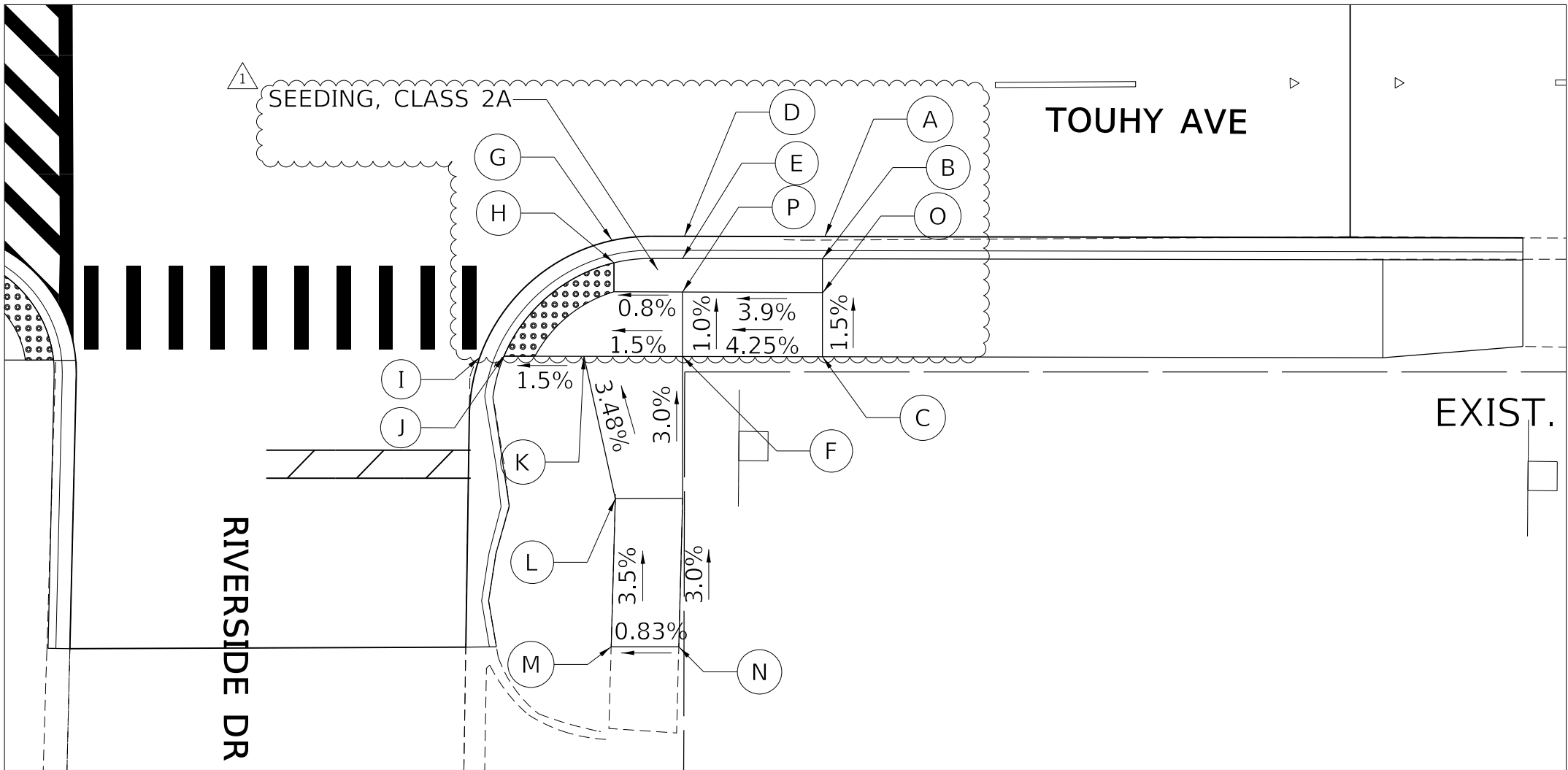
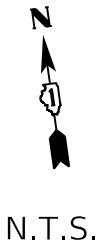
LANDSCAPING PLAN
TOUHY AVENUE OVER NORTH BRANCH CHICAGO RIVER

SCALE:	SHEET 27	OF 124 SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	95-B	COOK	124	27
CONTRACT NO. 62D34				
		ILLINOIS	FED. AID PROJECT	

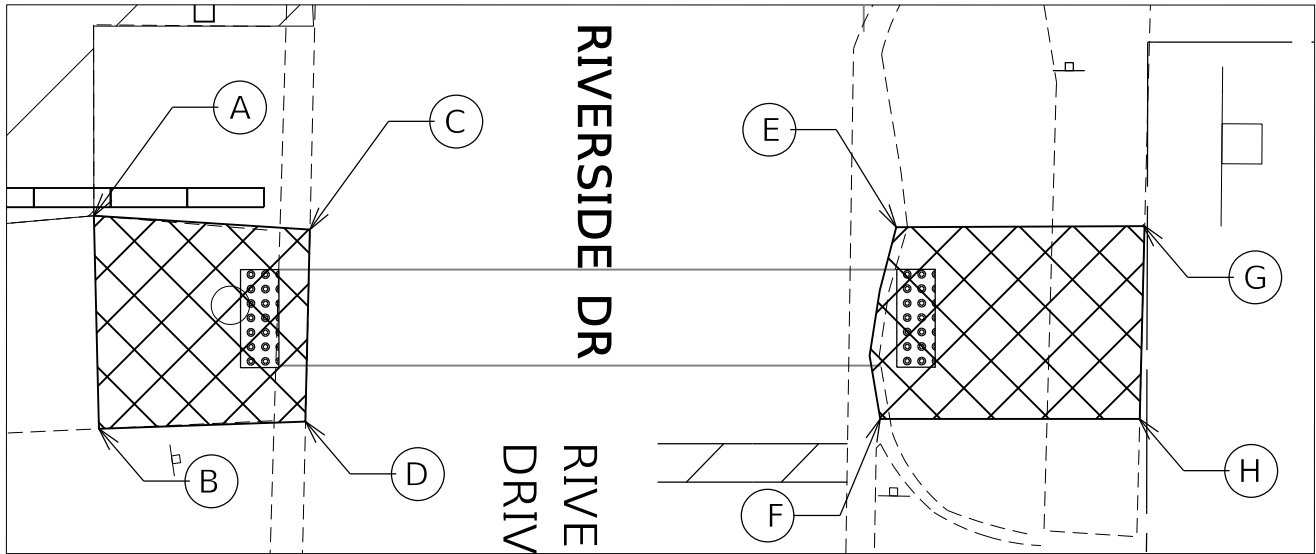
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600 W. JACKSON BLVD, SUITE 600, CHICAGO, IL 60661 | P.312-406-8010 F.312-406-8015

	STATION	OFFSET	ELEVATION
A	501+62.33	20.33' RT	618.31
B	501+62.33	21.92' RT	618.75
C	501+62.33	28.92' RT	618.85
D	501+52.33	20.32' RT	618.32
E	501+52.33	21.9' RT	618.36
F	501+52.33	28.9' RT	618.43
G	501+47.50	20.6' RT	618.32
H	501+47.50	22.2' RT	618.32
I	501+37.85	29.1' RT	618.24
J	501+39.60	29.1' RT	618.24
K	501+45.33	29.1' RT	618.32
L	501+47.54	39.1' RT	618.68
M	501+47.24	49.6' RT	(619.01)
N	501+52.07	49.6' RT	(619.05)
O	501+62.33	23.9' RT	618.78
P	501+52.33	23.9' RT	618.38



TEMPORARY ADA RAMPS MOT STAGE 2:

	STATION	OFFSET	ELEVATION
A	500+97.56	39.0' R	(618.88)
B	500+97.84	50.2' R	(619.07)
C	501+08.83	39.8' R	(618.31)
D	501+08.60	49.8' R	(618.33)



	STATION	OFFSET	ELEVATION
E	501+39.38	39.6' R	(618.51)
F	501+38.55	49.6' R	(618.48)
G	501+52.33	39.6' R	(618.90)
H	501+52.07	49.6' R	(619.05)

1 REVISED SHEET 1/7/2026



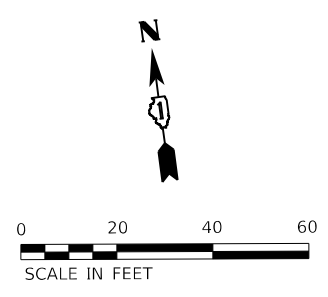
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	DRAWN - RMV	REVISED -
PLOT SCALE = 10.0031' / in.	CHECKED - MPV	REVISED -
PLOT DATE = 12/31/2025	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA RAMPS
TOUHY AVENUE OVER NORTH BRANCH CHICAGO RIVER

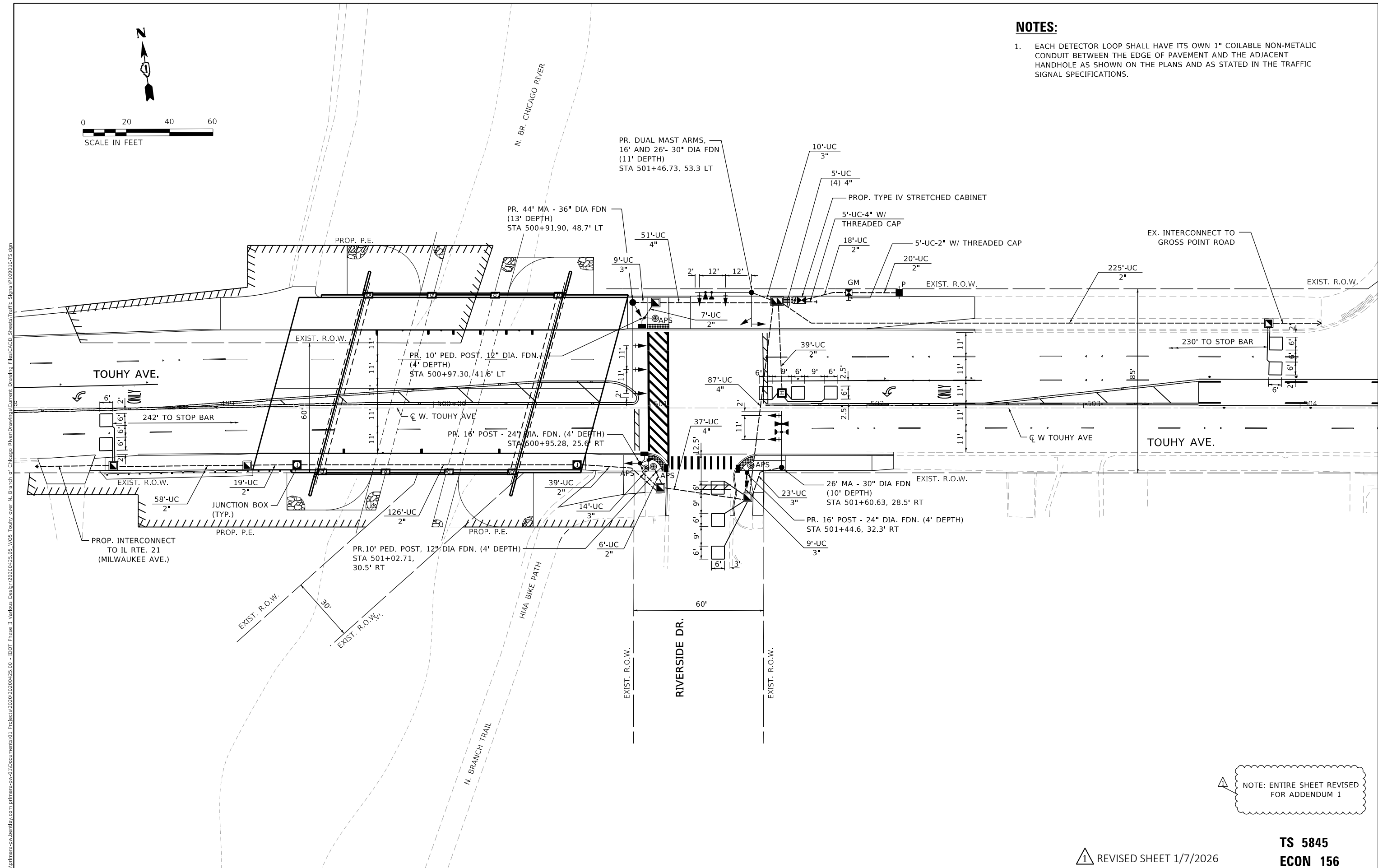
SCALE: SHEET 39 OF 124 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	95-B	COOK	124	39
CONTRACT NO. 62D34				
ILLINOIS FED. AID PROJECT				



NOTES:

- 1. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.



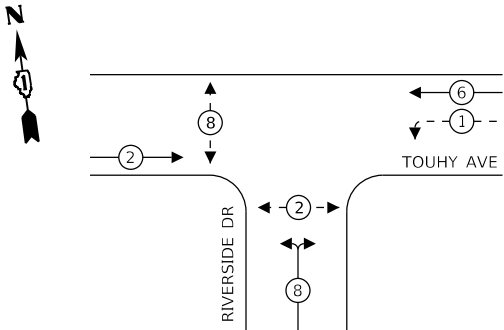
NOTE: ENTIRE SHEET REVISED FOR ADDENDUM 1

1 REVISED SHEET 1/7/2026

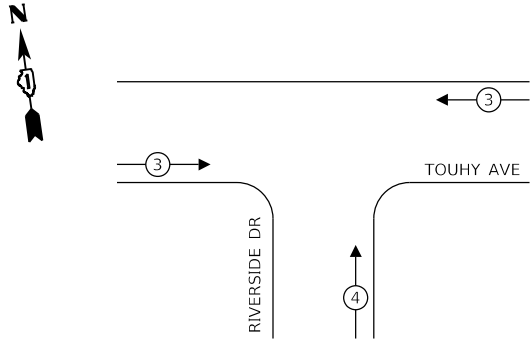
TS 5845
ECON 156

ATLAS ENGINEERING GROUP, LTD. STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	USER NAME = cpujari			DESIGNED -	REvised - 1/6/2026 BA	TRAFFIC SIGNAL MODERNIZATION PLAN TOUHY AVE AT RIVERSIDE DR			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -			REvised -	REvised -				341	95-B	COOK	124	55
	PLOT SCALE = 40,0000 ' / in.			CHECKED -	REvised -	SCALE: 1" = 20'			SHEET 6 OF 11 SHEETS			CONTRACT NO. 62D34	
	PLOT DATE = 1/6/2026			DATE -	REvised -	TO STA.			ILLINOIS FED. AID PROJECT				

PROPOSED CONTROLLER
PHASE DIAGRAM



PROPOSED EMERGENCY VEHICLE
PREEMPTION PHASE DIAGRAM



TRAFFIC SIGNAL
ELECTRICAL SERVICE REQUIREMENTS

TYPE	QUANTITY	LED WATTAGE	TOTAL WATTAGE
SIGNAL HEAD	3-SECTION	11	121.0
	4-SECTION	-	-
	5-SECTION	2	26.0
PROGRAMMABLE SIGNALS	-	-	-
	3-SECTION	-	-
	4-SECTION	-	-
PED. SIGNAL	4	15	60.0
	1	150	150.0
	MASTER CONTROLLER	-	-
UPS	1	25	25.0
DETECTION VIDEO	-	20	-
	BLANK-OUT SIGN	-	-
	NETWORK SWITCH II OR III	-	-
CELLULAR MODEM	-	15	-
PTZ CAMERA	-	75	-

TOTAL UPS SIZING

UPS CHARGING	1	225	225.0
BATTERY HEATER MAT	1	180	180.0
CABINET HEATER	1	200	200.0
FLASHER	-	15	-
LED STREET NAME SIGN	-	120	-
LUMINAIRE	-	240	-

TOTAL SERVICE WIRE SIZING= 987.0

ENERGY COSTS TO:
VILLAGE OF NILES
DEPARTMENT OF PUBLIC WORKS
6849 WEST TOUHY AVENUE
NILES, IL 60714

ENERGY SUPPLY: CONTACT: AXL DAVIS
PHONE: (773) 231-2969
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: 88808-13333

DESIGNED -	SCA	REVISED -	1/6/2026 BA
DRAWN -	SDR	REVISED -	
CHECKED -	SCH	REVISED -	
DATE -		REVISED -	

ATLAS ENGINEERING
GROUP, LTD.

USER NAME	=cpujari
PLOT SCALE	= 40,0000 ' / in.
PLOT DATE	= 1/6/2026

LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OVERLAP

PROP. TRACER CABLE

PROP. INTERCONNECT TO
IL RTE. 21 (MILWAUKEE AVE)

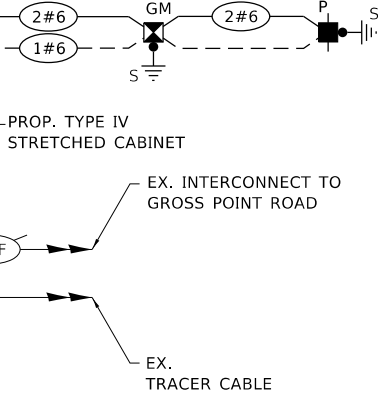
CABLE PLAN
NOT TO SCALE

NOTE:
ALL RED INDICATIONS SHALL HAVE A LENS COVER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, CONTROLLER PHASE DIAGRAM AND
EMERGENCY VEHICLE PREEMPTION PHASE DIAGRAM
TOUHY AVE AT RIVERSIDE DR

SCALE: 1" = 20' SHEET 7 OF 11 SHEETS STA. TO STA.



NOTE: ENTIRE SHEET REVISED
FOR ADDENDUM 1

REVISED SHEET 1/7/2026

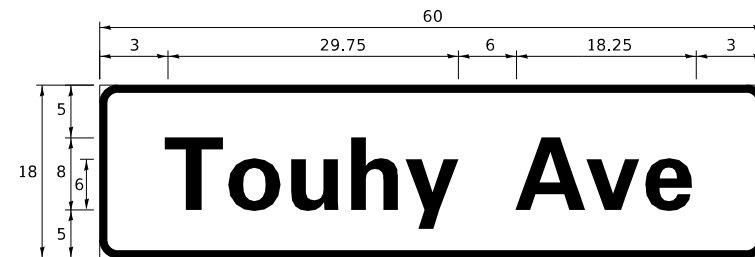
TS 5845
ECON 156

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	95-B	COOK	124	56
CONTRACT NO. 62D34				
ILLINOIS FED. AID PROJECT				

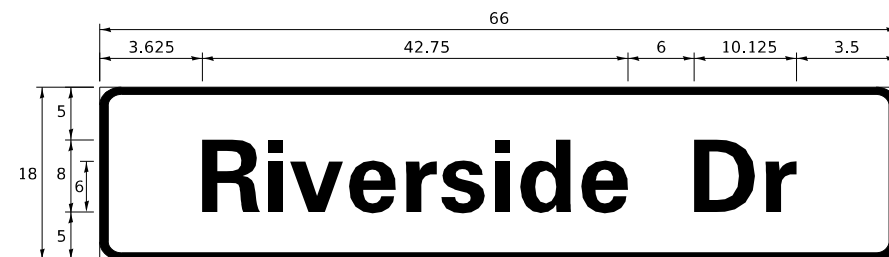
SCHEDULE OF QUANTITIES

SIGN PANEL – TYPE 1

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	7.5	1	ZZ	1



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
D	8.25	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION
SEE DISTRICT ONE STANDARD TS-02 MAST ARM MOUNTED
STREET NAME SIGNS.

ITEM DESCRIPTION	UNIT	TOTAL
SIGN PANEL - TYPE 1	SQ FT	15.75
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	563
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA	FOOT	65
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA	FOOT	195
HANDHOLE	EACH	6
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	1
TRANCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	327
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	619
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1584
ELECTRIC CABLE IN CONDUIT, SIGNAL NO.14 7C	FOOT	437
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO.14 1 PAIR	FOOT	1037
ELECTRIC CABLE IN CONDUIT, SERVICE, NO.6 2C	FOOT	68
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	266
TRAFFIC SIGNAL POST,16 FT	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, WITH DUAL MAST ARMS, 16 FT. AND 26 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	21
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	13
SIGNAL HEAD, LED, 1 FACE, 3-SECTION MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1 FACE, 3-SECTION BRACKET MOUNTED	EACH	3
SIGNAL HEAD, LED, 1 FACE, 5-SECTION MAST ARM MOUNTED	EACH	1
SIGNAL HEAD, LED, 1 FACE, 5-SECTION BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	9
INDUCTIVE LOOP DETECTOR	EACH	6
DETECTOR LOOP, TYPE I	FOOT	317
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	6
REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	275
UNINTERRUPTABLE POWER SUPPLY AND CABINET (SPECIAL)	EACH	1
SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
PEDESTRIAN SIGNAL POST, 10 FT	EACH	2
FULL ACTUATED CONTROLLER AND TYPE IV STRETCHED (SPECIAL)	EACH	1
ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4
CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	8
LED SIGNAL FACE, LENS COVER	EACH	13
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

* 100% COST TO THE VILLAGE OF NILES

NOTE: ENTIRE SHEET REVISED
FOR ADDENDUM 1

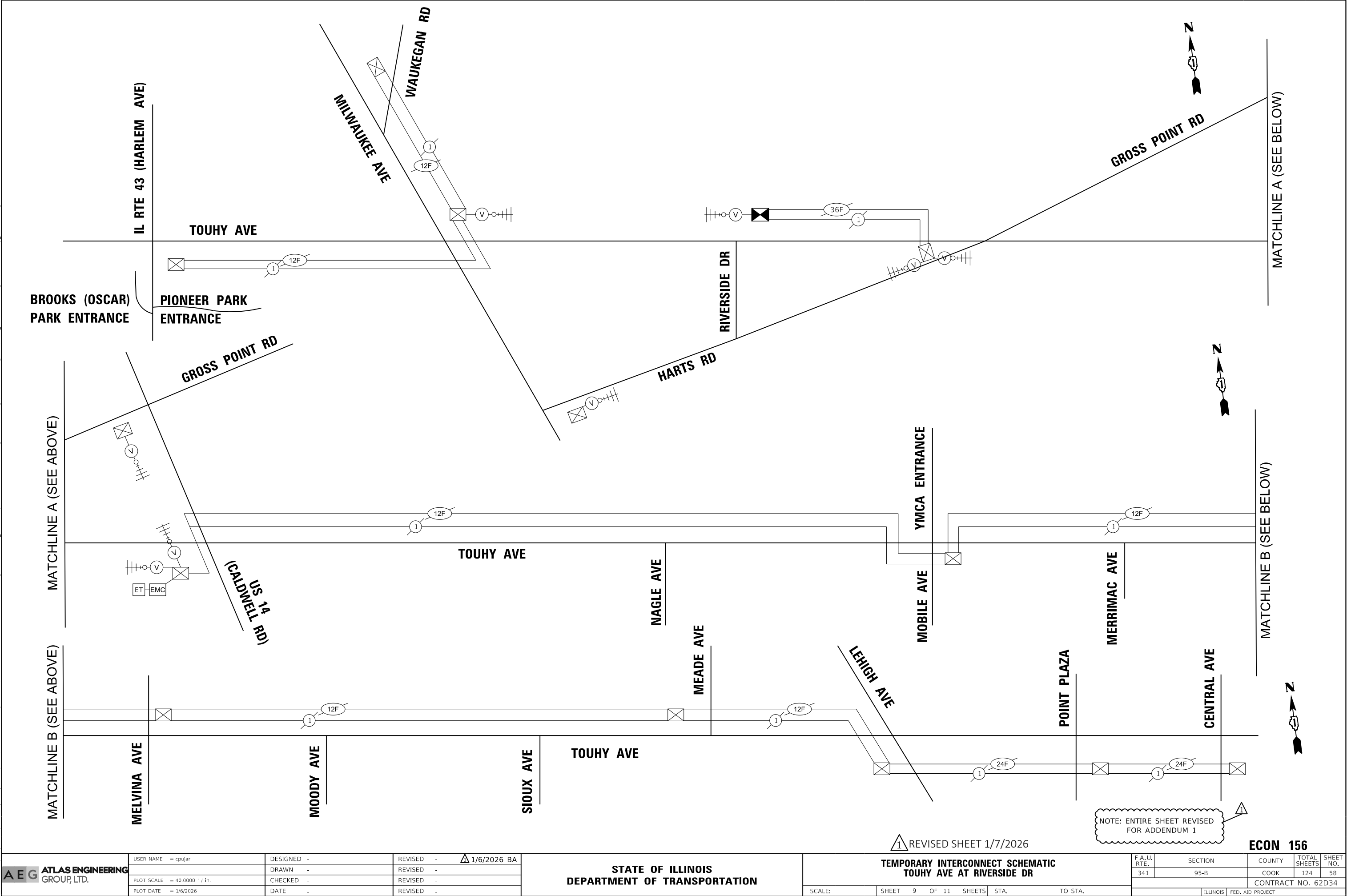
1 REVISED SHEET 1/7/2026

TS 5845

ECON 156

FILE NAME: D:\DWG\AEG\AEG-001.dwg AEG ATLAS ENGINEERING GROUP, LTD.	USER NAME = cjujari	DESIGNED -	REVISED -  1/6/2026 BA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES TOUHY AVE AT RIVERSIDE DR					F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,00000 ' / in.	DRAWN -	REVISED -							341	95-B	COOK	124	57
	PLOT DATE = 1/6/2026	CHECKED -	REVISED -		CONTRACT NO. 62D34									
		DATE -	REVISED -		SCALE: 1" = 20'	SHEET 8	OF 11 SHEETS	STA. TO STA.	ILLINOIS	FED. AID PROJECT				

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AEG ATLAS ENGINEERING GROUP, LTD.	USER NAME = cpujari	DESIGNED -	REVISED - 1/6/2026 BA
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	PLOT DATE = 1/6/2026	CHECKED -	REVISED -
		DATE -	REVISED -

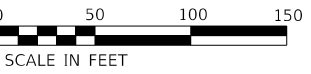
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC TOUHY AVE AT RIVERSIDE DR			
SCALE:	SHEET 9 OF 11 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
341	95-B	COOK	124	58
CONTRACT NO. 62D34				
ILLINOIS FED. AID PROJECT				

ECON 156

CONTRACTOR SHALL PULL BACK THE EXISTING FIBER AND TRACER FROM THE TEMPORARY SIGNAL AND REINSTALL TO PROPOSED TRAFFIC SIGNAL CABINET.



NOTE: ENTIRE SHEET REVISED
FOR ADDENDUM 1

TS 5845

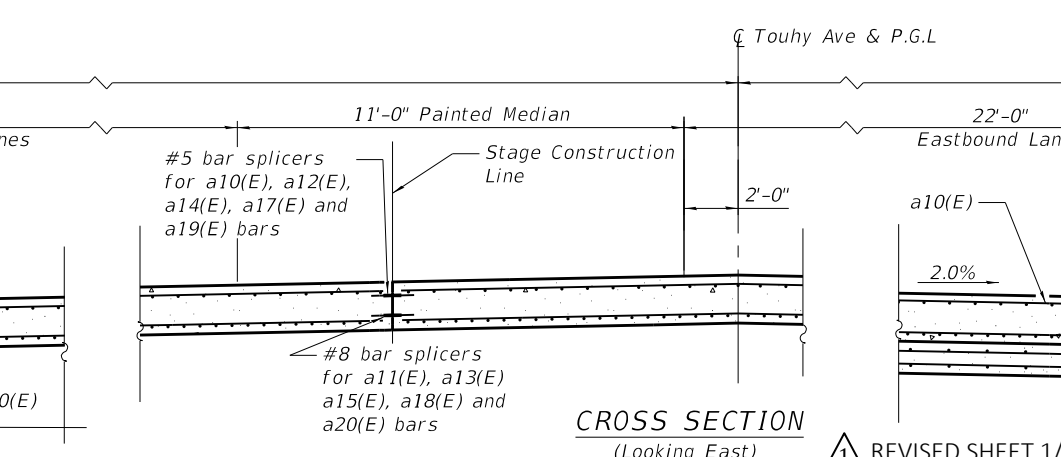
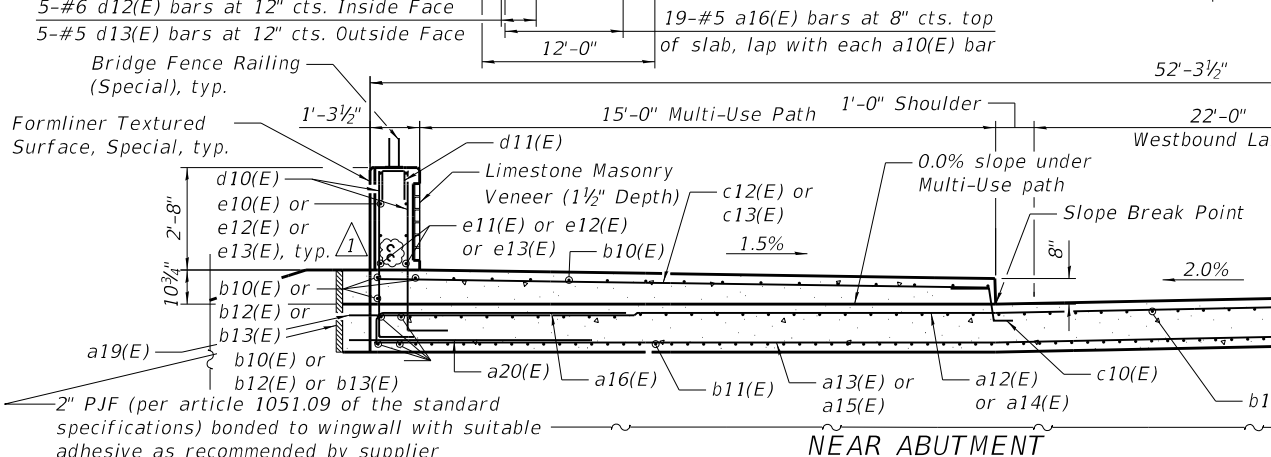
1 REVISED SHEET 1/7/2026

ITEM DESCRIPTION	UNITS	TOTAL QTY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	695
HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	2,385
DRILL EXISTING HANDHOLE	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4,770
ROD AND CLEAN EXISTING CONDUIT	FOOT	564
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	2,385
REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	715

1. THE SCAT CONSULTANT WILL DETERMINE THE LOCATION OF THE SYSTEM DETECTORS.
2. CONTRACTOR SHALL MAINTAIN THE EXISTING TRAFFIC SIGNAL AT THE CORNER OF TOUHY AVE. AND MILWAUKEE AVE.

ECON 156

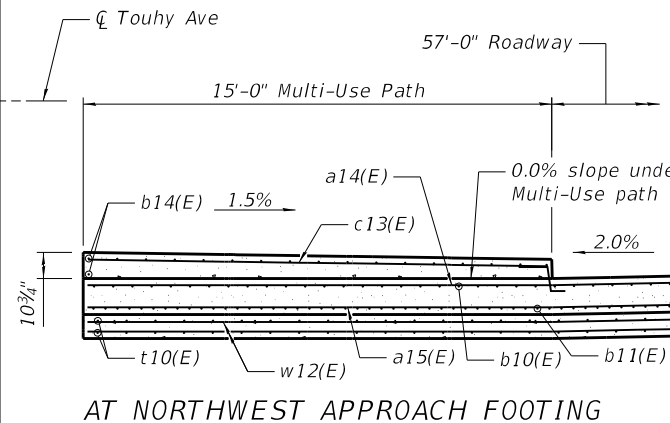
AEG ATLAS ENGINEERING GROUP, LTD.	USER NAME = cpu\jari	DESIGNED -	REVISED - 1 1/6/26 BA	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES TOUHY AVE AT RIVERSIDE DR	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40,0000 ' / in.	DRAWN -	REVISED -			341	95-B	COOK	124	60
	PLOT DATE = 1/6/2026	CHECKED -	REVISED -			CONTRACT NO. 62D34				
		DATE -	REVISED -			SCALE:	SHEET 11 OF 11 SHEETS	STA.	TO STA.	



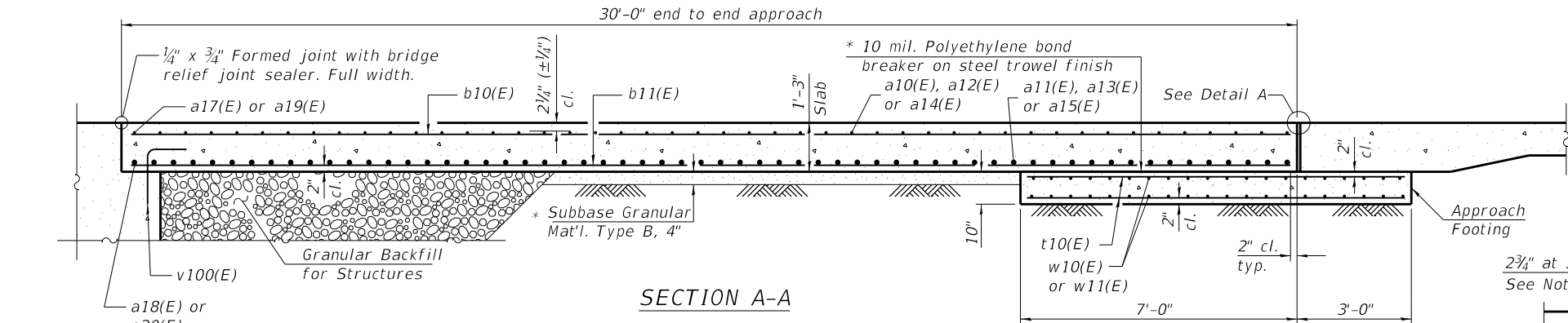
Plan view of the Northwest Approach Footing. The diagram shows a cross-section of the road and its approach. Key features include:

- Q Touhy Ave**: Indicated at the top left.
- 57'-0" Roadway**: The width of the main road section.
- 15'-0" Multi-Use Path**: The width of the path adjacent to the road.
- 0.0% slope under Multi-Use path**: The slope of the ground under the path.
- 2.0%**: The slope of the ground to the right of the path.
- 1.5%**: The slope of the ground between the path and the road.
- 10 3/4"**: The width of the curb on the left side.
- Labels for various points and features**: *b14(E)*, *c13(E)*, *a14(E)*, *t10(E)*, *w12(E)*, *a15(E)*, *b10(E)*, and *b11(E)*.

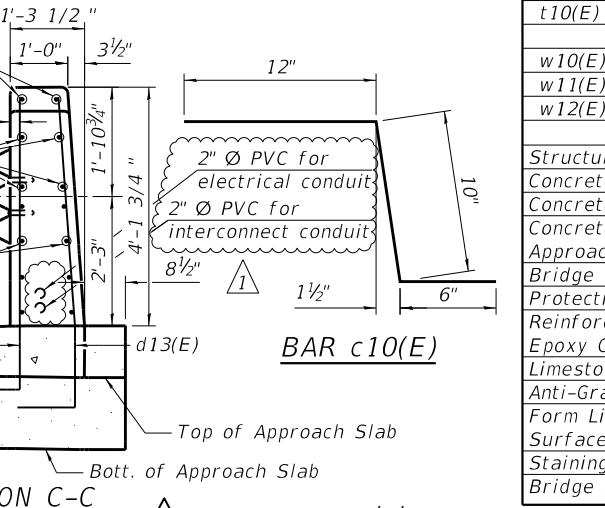
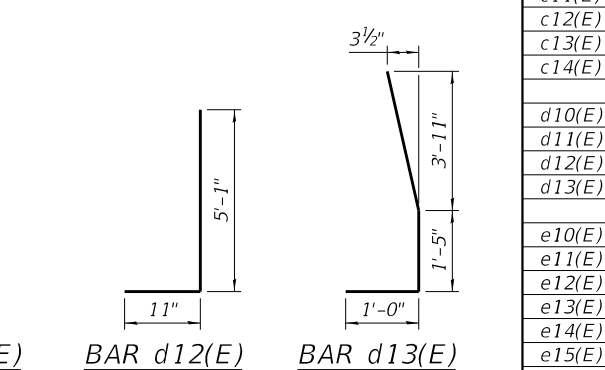
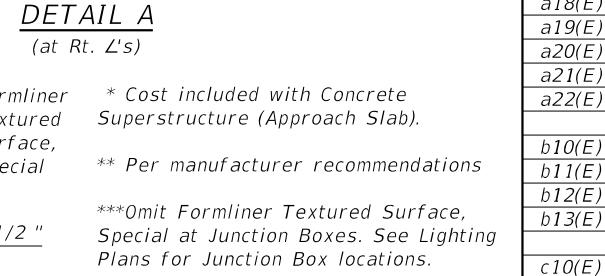
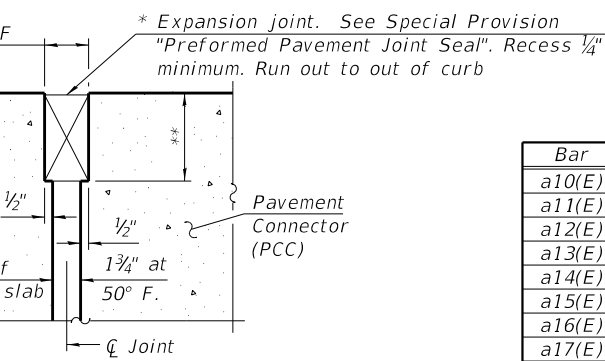
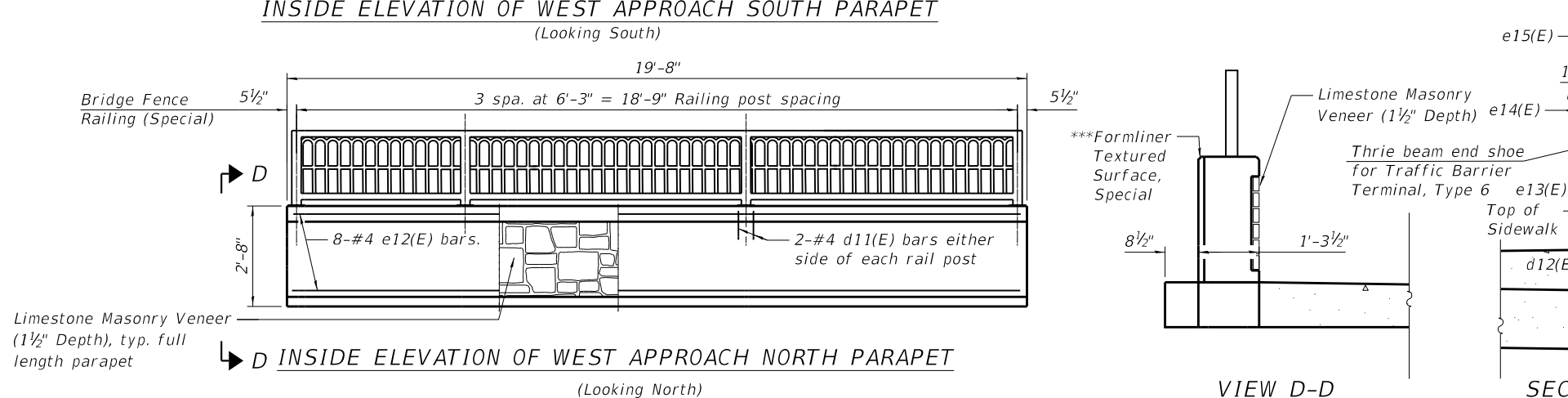
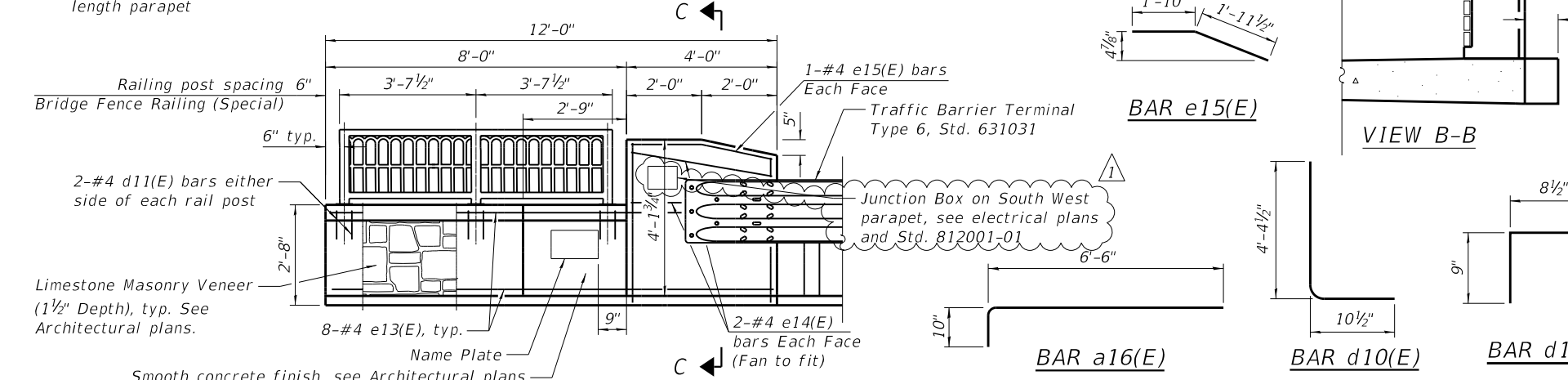
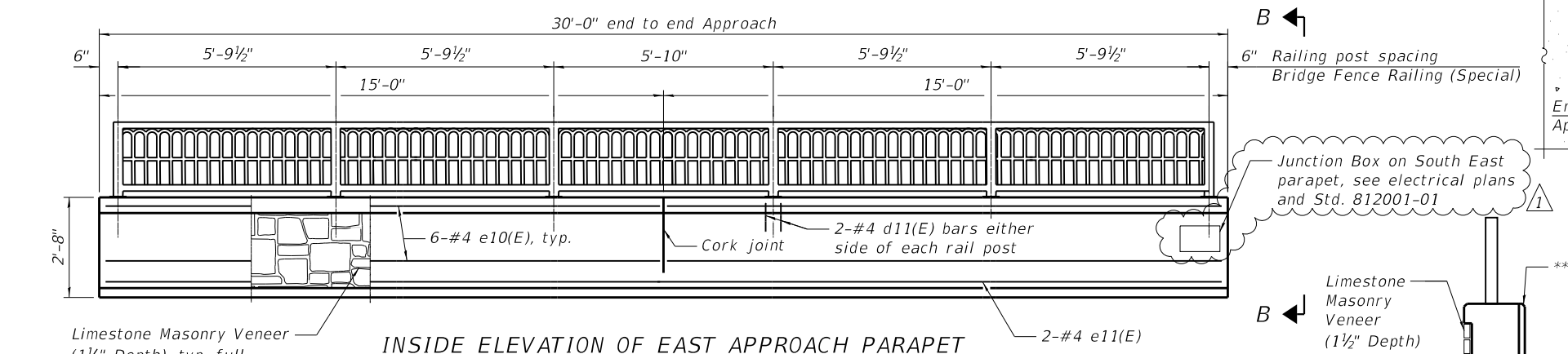
AT NORTHWEST APPROACH FOOTING



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100 S. WACKER DRIVE SUITE 700, CHICAGO, IL 60606 - P.312-405-2010 F.312-406-2415



Notes:
The joint opening shall be adjusted for temperature per Article 520.04 of the Standard Specifications. However, since this detail is for jointless structures, the length of bridge used to calculate the adjustment shall be equal to half the total bridge length plus the length of the bridge approach slab.
Parapet concrete shall be paid for as Concrete Superstructure.
Approach slab shall be paid for as Concrete Superstructure (Approach Slab).
Approach footing concrete shall be paid for as Concrete Structures.
The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
Cost of excavation for approach footing included with Concrete Structures.
For Granular Backfill for Structures and drainage treatment details, see sheet 2.
For Parapet Joint, see Sheet 13.



TWO APPROACHES BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a10(E)	63	#5	39'-11"	
a11(E)	82	#8	39'-11"	
a12(E)	74	#5	44'-6"	
a13(E)	98	#8	44'-6"	
a14(E)	16	#5	43'-2"	
a15(E)	20	#8	43'-2"	
a16(E)	141	#5	7'-4"	
a17(E)	2	#5	40'-8"	
a18(E)	2	#8	40'-8"	
a19(E)	2	#5	45'-3"	
a20(E)	2	#8	45'-3"	
a21(E)	28	#5	38'-1"	
a22(E)	36	#8	38'-1"	
b10(E)	312	#5	29'-8"	
b11(E)	394	#9	29'-8"	
b12(E)	7	#5	19'-4"	
b13(E)	7	#5	11'-8"	
c10(E)	124	#5	2'-4"	
c11(E)	44	#5	8'-7"	
c12(E)	52	#5	16'-0"	
c13(E)	11	#5	14'-8"	
c14(E)	19	#5	19'-0"	
d10(E)	182	#5	5'-3"	
d11(E)	38	#4	2'-3"	
d12(E)	5	#6	6'-0"	
d13(E)	5	#5	6'-4"	
e10(E)	24	#4	14'-8"	
e11(E)	4	#4	29'-8"	
e12(E)	8	#4	19'-4"	
e13(E)	8	#4	11'-8"	
e14(E)	4	#4	3'-9"	
e15(E)	2	#4	3'-10"	
t10(E)	324	#4	10'-1"	
w10(E)	80	#5	39'-11"	
w11(E)	40	#5	43'-2"	
w12(E)	40	#5	45'-2"	
Structure Excavation		Cu. Yd.	236	
Concrete Structure		Cu. Yd.	52.0	
Concrete Superstructure		Cu. Yd.	53.5	
Concrete Superstructure, Approach Slab		Cu. Yd.	222.7	
Bridge Deck Grooving		Sq. Yd.	367	
Protective Coat		Sq. Yd.	589	
Reinforcement Bars, Epoxy Coated		Pound	98,520	
Limestone Masonry Veneer		Sq. Ft.	184	
Anti-Graffiti Coating		Sq. Ft.	355	
Form Liner Textured Surface, Special		Sq. Ft.	245	
Staining Concrete Structures		Sq. Ft.	245	
Bridge Fence Railing (Special)		Foot	84	