

FILE NAME = D:\82118-ht-500281.dgn

CONSTRUCTION CODE						
80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES
RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN
0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES
* 20101100	TREE TRUNK PROTECTION	EACH	29	29						
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	120	120						
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	200	200						
20101700	SUPPLEMENTAL WATERING	UNIT	2	2						
20200100	EARTH EXCAVATION	CU YD	2108	2108						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4796	4796						
20400800	FURNISHED EXCAVATION	CU YD	2375	2375						
20800150	TRENCH BACKFILL	CU YD	3039	1716						1323
* 21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	4622	4622						
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	957	957						
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	7340	7340						
* 25000200	SEEDING, CLASS 2	ACRE	2.75	2.75						
* 25000210	SEEDING, CLASS 2A	ACRE	1	1						
* 25000310	SEEDING, CLASS 4	ACRE	1.5	1.5						
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	338	338						
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	338	338						
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	338	338						
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	5	5						
* 25100115	MULCH, METHOD 2	ACRE	2.75	2.75						
* 25100630	EROSION CONTROL BLANKET	SQ YD	5050	5050						
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100	100						
* 28000305	TEMPORARY DITCH CHECKS	FOOT	30	30						
* 28000315	AGGREGATE DITCH CHECKS	TON	38.5	38.5						
* 28000400	PERIMETER EROSION BARRIER	FOOT	4061	4061						
* 28000500	INLET AND PIPE PROTECTION	EACH	8	8						

\* SPECIALTY ITEM

REVISD SHEET 6/3/2024



USER NAME = EtzwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 1 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 5
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
28000510	INLET FILTERS	EACH	64	64								
28100105	STONE RIPRAP, CLASS A3	SQ YD	16	16								
28100107	STONE RIPRAP, CLASS A4	SQ YD	1300		1300							
28200200	FILTER FABRIC	SQ YD	1300		1300							
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	1498	1498								
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	12459	12459								
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1568	1568								
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	154	154								
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	374	374								
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	1456	1456								
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	292	292								
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	35	35								
40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	75	75								
42000080	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB	SQ YD	205	205								
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	10873	10873								
42001300	PROTECTIVE COAT	SQ YD	14609	14609								
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	17	17								
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	21101	21101								
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	670	670								
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8 INCH	SQ FT	450	450								
42400800	DETECTABLE WARNINGS	SQ FT	277				277					
44000100	PAVEMENT REMOVAL	SQ YD	12033	12033								
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	519	519								

\* SPECIALTY ITEM

FILE NAME = D:\8810-rt-500202.dgn



USER NAME = EtzwieE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 2 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 6
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

2 REVISSED SHEET 6/3/2024

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3718	3718								
44000600	SIDEWALK REMOVAL	SQ FT	14145	14145								
44003100	MEDIAN REMOVAL	SQ FT	584	584								
48101600	AGGREGATE SHOULDER, TYPE B 8"	SQ YD	33	33								
48203009	HOT-MIX ASPHALT SHOULDERS, 3"	SQ YD	153	153								
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1							
50200100	STRUCTURE EXCAVATION	CU YD	495		495							
50200300	COFFERDAM EXCAVATION	CU YD	171		171							
50201121	COFFERDAM (TYPE 2) (LOCATION-1)	EACH	1		1							
50201122	COFFERDAM (TYPE 2) (LOCATION-2)	EACH	1		1							
50300100	FLOOR DRAINS	EACH	20		20							
50300225	CONCRETE STRUCTURES	CU YD	681.2		681.2							
50300255	CONCRETE SUPERSTRUCTURE	CU YD	784.7		784.7							
50300260	BRIDGE DECK GROOVING	SQ YD	1933		1933							
50300265	SEAL COAT CONCRETE	CU YD	125.2		125.2							
50300300	PROTECTIVE COAT	SQ YD	2693		2693							
50301350	CONCRETE SUPERSTRUCTURE (APPROACH SLAB)	CU YD	236.3		236.3							
50401315	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE BEAMS, 1L36N	FOOT	2090		2090							
50500505	STUD SHEAR CONNECTORS	EACH	1810		1810							
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	333470		333470							
50800515	BAR SPLICERS	EACH	1199		1199							
50900105	ALUMINUM RAILING, TYPE L	FOOT	800		800							
50901720	BICYCLE RAILING	FOOT	716		716							

\* SPECIALTY ITEM

FILE NAME = D:\88108-rt-500203.dgn



USER NAME = EtzwileE	DESIGNED - MCK	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 3 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 7
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

REVIS 2 REVISED SHEET 6/3/2024

FILE NAME = D:\88108-rt-500205.dgn



USER NAME = EtwileE	DESIGNED - MCK	REVISED -
	DRAWN - MCK	REVISED -
PLOT SCALE = 20.0000 / in.	CHECKED - MXF	REVISED -
PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NA SHEET 5 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 9
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

△ REVISIED SHEET 6/3/2024

△

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
55101900	STORM SEWER REMOVAL 48"	FOOT	93	93								
* 56102900	DUCTILE IRON WATER MAIN 4"	FOOT	38									38
* 56103000	DUCTILE IRON WATER MAIN 6"	FOOT	446									446
* 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	63									63
* 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	9									9
* 56103300	DUCTILE IRON WATER MAIN 12"	FOOT	118									118
* 56103350	DUCTILE IRON WATER MAIN 14"	FOOT	1704									1704
* 56104800	WATER VALVES 4"	EACH	1									1
* 56104900	WATER VALVES 6"	EACH	4									4
* 56105000	WATER VALVES 8"	EACH	2									2
* 56105100	WATERVALVES 10"	EACH	1									1
* 56105200	WATERVALVES 12"	EACH	2									2
* 56105250	WATER VALVES 14"	EACH	7									7
* 56200500	WATER SERVICE LINE 1 1/2"	FOOT	336									336
* 56201600	CORPORATION STOPS 1 1/2"	EACH	7									7
* 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2									2
* 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	6									6
* 56500700	DOMESTIC WATER SERVICE BOXES TO BE REMOVED	EACH	7									7
* 56500800	DOMESTIC WATER SERVICE BOXES	EACH	7									7
58600101	GRANULAR BACKFILL FOR STRUCTURES	CU YD	471		471							
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	410		410							
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	1842	1842								
60108206	PIPE UNDERDRAINS, TYPE 2, 6"	FOOT	362	362								

\* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
60146304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	1285		1285							
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	2	2								
60200905	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 9 FRAME AND GRATE	EACH	4	4								
60201110	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 11V FRAME AND GRATE	EACH	4	4								
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	21	21								
60207705	CATCH BASINS, TYPE C, TYPE 9 FRAME AND GRATE	EACH	2	2								
60207915	CATCH BASINS, TYPE C, TYPE 11V FRAME AND GRATE	EACH	4	4								
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	8	8								
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1								
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	25	25								
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1								
60224039	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1	1								
60224446	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	5	5								
60224448	MANHOLES, TYPE A, 7'-DIAMETER, TYPE 8 GRATE	EACH	1	1								
60236600	INLETS, TYPE A, TYPE 9 FRAME AND GRATE	EACH	2	2								
60236825	INLETS, TYPE A, TYPE 11V FRAME AND GRATE	EACH	1	1								
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	15	15								
* 60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	7								7	
* 60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	10								10	
60251200	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	1	1								
60255500	MANHOLES TO BE ADJUSTED	EACH	6	6								
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	1	1							
60500040	REMOVING MANHOLES	EACH	17	17								

\* SPECIALTY ITEM



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NA SHEET 6 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 10
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

2 REVISED SHEET 6/3/2024

FILE NAME = D:\88108-rt-500207.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
60500050	REMOVING CATCH BASINS	EACH	14	14								
60500060	REMOVING INLETS	EACH	6	6								
60600605	CONCRETE CURB, TYPE B	FOOT	180	180								
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	628	628								
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	3139	3139								
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	312	312								
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	362.5			362.5						
* 63000035	BACK SIDE PROTECTION OF GUARDRAIL	FOOT	450			450						
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	3			3						
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3			3						
* 63200310	GUARDRAIL REMOVAL	FOOT	746			746						
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	7600	7600								
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	15	15								
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1								
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1								
* 66901005	ENGINEERED BARRIER	SQ YD	175	175								
* 66901006	REGULATED SUBSTANCES MONITORING	DAYS	31	31								
67100100	MOBILIZATION	L SUM	1	1								
* 70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	180			180						
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	360			360						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	5494			5494						
70303120	TEMPORARY PAVEMENT MARKING - LINE 4" - MODIFIED URETHANE	FOOT	6752			6752						
70303130	TEMPORARY PAVEMENT MARKING - LINE 6" - MODIFIED URETHANE	FOOT	44			44						

\* SPECIALTY ITEM



2 REVISIED SHEET 6/3/2024



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 7 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 11
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\88108\ht-500209.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY 0003	RAND RD BRIDGE 0010	RAND RD SAFETY 0021	RAND RD EVP 0021	ELK BLVD TRAFFIC SIGNAL 0021	BALLARD RD TRAFFIC SIGNAL 0021	RAND RD WATERMAIN 0044		
				URBAN	URBAN	URBAN	URBAN	URBAN	URBAN	URBAN		
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	364			364						
* 73000100	WOOD SIGN SUPPORT	FOOT	69			69						
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	22			22						
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	172			172						
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5789			5789						
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1634			1634						△
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	49			49						
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	768			768						△
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	134			134						
* 78004635	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - STANDARD - LINE 7"	FOOT	836			836						
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	245			245						
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	6621			6621						△
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	938			938						
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	498			498						
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	97			97						
* 78011040	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	836			836						
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	204			204						△
* 78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	242			242						
* <del>78112000</del>	<del>RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)</del>	<del>EACH</del>	<del>26</del>			<del>26</del>						<del>△</del>
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	13			13						
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	8			8						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	173			173						△
78300201	PAVEMENT MARKING REMOVAL - GRINDING	SQ FT	3459			3459						

\* SPECIALTY ITEM

FILE NAME = D:\88108-rt-50021\dgn

CONSTRUCTION CODE

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE						
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2590					2030	560	
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3615					1860	1755	
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2220					1500	720	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	3945					2090	1855	
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	130					65	65	
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	3030					1485	1545	
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	7					6	1	
* 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	3					1	2	
* 87700110	STEEL MAST ARM ASSEMBLY AND POLE, 14 FT.	EACH	1					1	2	
* 87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	1					1		
<del>87700220</del>	<del>STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.</del>	<del>EACH</del>	<del>1</del>					<del>1</del>		
* 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1					1		
<del>87702810</del>	<del>STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 16 FT.</del>	<del>EACH</del>	<del>1</del>					<del>1</del>		
<del>87702920</del>	<del>STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.</del>	<del>EACH</del>	<del>1</del>					<del>1</del>		
* 87702840	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1					1		
* 87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT	EACH	1					0	1	
* 87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT	EACH	1						1	
* 87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT	EACH	2					1	1	
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	40					28	12	
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	8					4	4	
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	24					24		
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	75					37	38	
* 87900200	DRILL EXISTING HANDHOLE	EACH	3					2	1	
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12					5	7	
* 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7					5	2	
* 88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2					2		
* 88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2					2		
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	5					3	2	

\* SPECIALTY ITEM



USER NAME = EtzwiseE	DESIGNED - MCK	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 11 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 15
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

△ REVISED SHEET 6/3/2024



FILE NAME = D:\6010-rt-500212.dgn

CONSTRUCTION CODE						
80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES
RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN
0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN

CODE NO.	ITEM	UNIT	TOTAL QUANTITY						
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4					2	2
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	12					10	2
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	18					9	9
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	15					8	7
* 88600100	DETECTOR LOOP, TYPE I	FOOT	565					499	66
* X8860107	PREFORMED DETECTOR LOOP	FOOT	466					66	400
* 88700200	LIGHT DETECTOR	EACH	8				8		
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	2				2		
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2					1	1
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	957			860			97
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2					1	1
* 89502380	REMOVE EXISTING HANDHOLE	EACH	13					8	5
* 89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	3					2	1
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	18					9	9
* A2002314	TREE, BETULA NIGRA (RIVER BIRCH), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30	30					
* A2002924	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 3" CALIPER, BALLED AND BURLAPPED	EACH	5	5					
* A2004624	TREE, GLEDITSIA TRIACANTHOS INERMIS (THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	4	4					
* A2005040	TREE, GYMNOCLADUS DIOICUS ESPRESSO-JFS (ESPRESSO KENTUCKYCOFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	3	3					
* A2006414	TREE, QUERCUS ALBA (WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30	30					
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30	30					
* A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3					
* A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	30	30					
* A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3					

\* SPECIALTY ITEM

2 REVISSED SHEET 6/4/2024



USER NAME = EtzwieE	DESIGNED - MCK	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 12 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 16
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\88108-rt-500213.dwg

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
* A2007624	TREE, TAXODIUM DISTICHUM (COMMON BALD CYPRESS), 3" CALIPER, BALLED AND BURLAPPED	EACH	2	2								
* C2C03424	SHRUB, HYDRANGEA ARBORESCENS ANNABELLE (ANNABELLE SMOOTH HYDRANGEA), 2' HEIGHT CONTAINER	EACH	3	3								
* C2C06024	SHRUB, RHUS TYPHINA (STAGHORN SUMAC), 2' HEIGHT, CONTAINER	EACH	4	4								
* C2011024	SHRUB, SYRINGA PATULA MISS KIM (MISS KIM MANCHURIAN LILAC), 2'HEIGHT, BALLED AND BURLAPPED	EACH	3	3								
* D2C03736	EVERGREEN, THUJA OCCIDENTALIS (AMERICAN ARBORVITAE), 3' HEIGHT,CONTAINER	EACH	2	2								
* D2002260	EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 5' HEIGHT, BALLED AND BURLAPPED	EACH	7	7								
* K0013110	PERENNIAL PLANTS, WOODLAND TYPE, GALLONPOT	UNIT	0.3	0.3								
* K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE	POUND	50	50								
* K1004595	PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE	L SUM	1	1								
* X5510011	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	6	6								
X0323577	SANITARY SEWER TELEVISION INSPECTION, VIDEOTAPING AND RECORDING	FOOT	1400	1400								
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2415				2415					
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	603			506				97		
X6020096	MANHOLES, TYPE A, 6'-DIAMETER, WITH 2 TYPE 1 FRAME, OPEN LIDS, RESTRICTOR PLATE	EACH	1	1								
X0326694	PLUG EXISTING STORM SEWERS	CU YD	1	1								
X5420124	ELASTOMERIC CHECK VALVE 24" DIAMETER	EACH	1	1								
* X0327727	PLANTER REMOVAL	L SUM	1	1								
* X1200136	WATER MAIN INSULATION	FOOT	206									206
* X1400108	FULL-ACTUATED CONTROLLER AND TYPE SUPER R CABINET (SPECIAL)	EACH	2					1		1		
* X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	2					1		1		
* X1400201	RADAR VEHICLE DETECTION SYSTEM, SINGLE APPROACH, STOP BAR	EACH	1					1				
* X1400338	UNDERGROUND CONDUIT, STAINLESS STEEL, 2" DIA.	FOOT	36			28					8	
* X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	4					4				
* X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	1								1	

\* SPECIALTY ITEM



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE: NA	SHEET 13 OF 16 SHEETS	STA. TO STA.	

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 17
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

△ REVISED SHEET 6/4/2024

FILE NAME = D:\88108-rt-500214.dgn

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
A2012022	TREE, AESCULUS CARNEA FORT MCNAIR (FORT MCNAIR BUCKEYE), 2"CAPLIPER, BALLED AND BURLAPED	EACH	1	1								
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	7	7								
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	7	7								
X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	2								
X5010523	REMOVE CONCRETE END SECTION	EACH	4	4								
X5537700	STORM SEWERS TO BE CLEANED 10"	FOOT	36	36								
X5537900	STORM SEWERS TO BE CLEANED 15"	FOOT	123	123								
X5538400	STORM SEWERS TO BE CLEANED 30"	FOOT	66	66								
X5610004	DUCTILE IRON WATER MAIN FITTINGS	POUND	10026									10026
X5610700	WATER MAIN REMOVAL	FOOT	3151									3151
X5620035	WATER SERVICE CONNECTION 1 1/2"	EACH	7									7
X5630010	CUT AND CAP EXISTING 10" WATER MAIN	EACH	1									1
X5630012	CUT AND CAP EXISTING 12" WATER MAIN	EACH	1									1
X5630704	CONNECTION TO EXISTING WATER MAIN 4"	EACH	1									1
X5630706	CONNECTION TO EXISTING WATER MAIN 6"	EACH	6									6
X5630708	CONNECTION TO EXISTING WATER MAIN 8"	EACH	1									1
X5630712	CONNECTION TO EXISTING WATER MAIN 12"	EACH	1									1
X6026622	VALVE VAULTS TO BE REMOVED	EACH	7									7
X6026632	VALVE BOXES TO BE REMOVED	EACH	2									2
X6700410	ENGINEERS FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	18	18								
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1								
X7270025	REMOVE EXISTING SIGN SUPPORT	EACH	26			26						
X7830050	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REMOVAL	EACH	102			102						
X7830052	RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT	EACH	102			102						
X8250091	COMBINATION LIGHTING CONTROLLER	EACH	2			2						

\* SPECIALTY ITEM



REVISD SHEET 6/4/2024



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NA SHEET 14 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 18
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

FILE NAME = D:\88108\ht-500215.dgn



USER NAME = EtzwiseE	DESIGNED - MCK	REVISED -
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PLOT DATE = 3/18/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: NA SHEET 15 OF 16 SHEETS STA. TO STA.

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 19
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

△ REVISED SHEET 6/4/2024

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FED 20% STATE	80% FED 20% STATE	80% FED 20% STATE	100% CITY OF DES PLAINES	80% FED 15% STATE 5% CITY OF DES PLAINES	80% FED 20% STATE	100% CITY OF DES PLAINES		
				RAND RD ROADWAY	RAND RD BRIDGE	RAND RD SAFETY	RAND RD EVP	ELK BLVD TRAFFIC SIGNAL	BALLARD RD TRAFFIC SIGNAL	RAND RD WATERMAIN		
				0003 URBAN	0010 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0021 URBAN	0044 URBAN		
* X8360215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	10			10						
* X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	2					1	1			
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3118.5			3118.5						
* X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	12					10	2			
* X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	20					16	4			
* X8809005	LED SIGNAL FACE, LENS COVER	EACH	32					19	13			
* X8891009	VIDEO VEHICLE DETECTION SYSTEM, SINGLE APPROACH	EACH	1					1				△ 2
* X8950510	REMOVE FIBER OPTIC CABLE FROM CONDUIT	FOOT	860			860						
Z0007430	TEMPORARY SIDEWALK	SQ FT	4584	4584								△ 2
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1								
Z0015200	CURB STOPS 1 1/2"	EACH	7									7
Z0015550	DEBRIS REMOVAL	L SUM	1		1							
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	139			139						
* Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	41			41						
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	18			18						
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	3			3						
Z0044900	PRESSURE CONNECTION 10" X 10"	EACH	1									1
Z0045100	PRESSURE CONNECTION 12" X 12"	EACH	1									1
Z0055905	TEMPORARY CONSTRUCTION FENCE	FOOT	1229	1229								
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	367	367								
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	14	14								
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	549	549								
Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	67	67								
Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	87	87								
Z0062456	TEMPORARY PAVEMENT	SQ YD	852	717								135
* Z0064800	SELECTIVE CLEARING	UNIT	1	1								

\* SPECIALTY ITEM



**STAGE CONSTRUCTION TRAFFIC CONTROL NOTES**

1. THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, IDOT STANDARD SPECIFICATIONS, OR AS DIRECTED BY THE ENGINEER.
2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF CHANGES IN CONSTRUCTION STAGING.
3. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR KALPANA KANNAN HOSADURGA, AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
4. ALL CONFLICTING SIGNS, PAVEMENT MARKINGS, AND TRAFFIC CONTROL DEVICES SHALL BE REMOVED OR COVERED AND TEMPORARY TRAFFIC CONTROL MEASURES BE PLACED TO THE SATISFACTION OF THE ENGINEER. EXISTING SIGNS THAT DO NOT CONFLICT WITH STAGING SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION.
5. DRUMS OR TYPE II BARRICADES SHALL BE PLACED AT 50' INTERVALS ALONG THE PROPOSED CONSTRUCTION WORK ZONE, AT 20' INTERVALS IN TAPER SECTIONS, AND AT 10' INTERVALS WITHIN RADII AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.
6. ALL TRAFFIC CONTROL DEVICES AND SIGNING UTILIZED DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (MUTCD), ILLINOIS SUPPLEMENT TO THE MUTCD, IDOT SPECIAL PROVISIONS, IDOT HIGHWAY STANDARDS, IDOT STANDARD SPECIFICATIONS, CONTRACT SPECIFICATIONS, OR AS DIRECTED BY THE ENGINEER. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
7. THE CONTRACTOR SHALL ENSURE THAT ANY EXISTING UTILITIES ARE NOT ENDANGERED OR DISTURBED DURING CONSTRUCTION AND THAT ACTIVE UTILITIES ARE PROPERLY MAINTAINED WITHIN THE CONSTRUCTION LIMITS.
8. THE CONTRACTOR SHALL INSTALL ADVANCE CONSTRUCTION SIGNING ONE WEEK PRIOR TO THE START OF CONSTRUCTION AND SHALL BE REMOVED OR COVERED WHEN NOT REQUIRED.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE FOR THE DURATION OF CONSTRUCTION.
10. THE CONTRACTOR SHALL RESTORE ALL PERMANENT PAVEMENT MARKINGS, SIGNS, AND TRAFFIC CONTROL DEVICES THAT WERE AFFECTED BY CONSTRUCTION.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING MAIL DELIVERY ACCESSIBILITY DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL ENSURE THAT THE EXISTING ROADWAY FLOOD GATES ON RAND ROAD EAST OF BALLARD ROAD ARE ABLE TO BE CLOSED AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL NOT AT ANY TIME OBSTRUCT THE CLOSING PATH OF THE GATES.
13. ALL PROPERTY ACCESS SHALL BE STAGE CONSTRUCTED TO MAINTAIN ACCESS AT ALL TIMES.
14. THE CONTRACTOR SHALL MAINTAIN SIDEWALK ACCESS ON AT LEAST ONE SIDE OF RAND ROAD AT ALL TIMES.
15. CHANGEABLE MESSAGE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO ALL TRAFFIC STAGE CHANGES ON EACH APPROACH OF THE AFFECTED ROADWAY TO WARN MOTORISTS OF THE UPCOMING EVENT. THE SIGN MESSAGE SHALL BE REVISED TWO WEEKS THEREAFTER WITH MESSAGES WARNING TRAFFIC OF POTENTIAL DELAYS, QUEUING, AND/OR WITH MESSAGES NOTIFYING TRAFFIC TO USE ALTERNATIVE ROUTES. THE SIGN LOCATIONS AND MESSAGES SHALL BE DETERMINED BY THE ENGINEER.
16. DROP-OFFS ADJACENT TO THE TRAVEL LANE THAT ARE NOT PROTECTED WITH A TEMPORARY CONCRETE BARRIER SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE BUREAU OF SAFETY PROGRAMS AND ENGINEERING AND SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 24" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FEET OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENT TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

**SEQUENCE OF CONSTRUCTION**

PRE-STAGE CONSTRUCTION

1. CONSTRUCT TEMPORARY SIDEWALK 3" ON THE NORTH SIDE OF RAND ROAD BETWEEN ELK BOULEVARD AND HAWTHORNE LANE. LOCATION OF SIDEWALK IS SHOWN IN STAGE 1A STAGING PLANS.
2. TEMPORARY SIGNALS AT INTERSECTIONS SHALL BE INSTALLED DURING THIS PRE-STAGE.

STAGE 1 CONSTRUCTION

1. CONSTRUCT PROPOSED WATER MAIN WITH TEMPORARY WATER MAIN CONNECTION ATTACHED TO THE SOUTH SIDE OF THE BRIDGE PRIOR TO DEMOLISHING THE NORTH SIDE OF THE BRIDGE.
2. CONSTRUCT NORTH HALF OF THE STORM SYSTEM.
3. CONSTRUCT THE WESTBOUND RAND ROAD PAVEMENT, BRIDGE, SIDEWALKS, RETAINING WALLS, AND COMPENSATORY STORAGE AREA TO THE LIMITS SHOWN ON THE PLANS.
4. CONSTRUCT TEMPORARY PAVEMENT AND TEMPORARY SIDEWALK 3" (TO BE REMOVED IN PHASE 3) IN LIEU OF PERMANENT CURB AND GUTTER AND SIDEWALK BETWEEN PROPOSED RETAINING WALL AND PROPOSED PAVEMENT CONSTRUCTED IN THIS PHASE. ENSURE PERMANENT DRAINAGE STRUCTURES AND PIPES ARE COMPLETED, EXCLUDING THE DRAINAGE TOPS, SPECIFICALLY WITHIN THE LIMITS OF THE TEMPORARY PAVEMENT. COVER INLETS WITH STEEL PLATES AND OVERLAY WITH TEMPORARY PAVEMENT AS NECESSARY.
5. CONSTRUCT A TEMPORARY SOIL RETENTION SYSTEM NEAR RAND ROAD CENTERLINE IN ORDER TO BUILD WESTBOUND PAVEMENT TO PROPOSED PROFILE GRADE.
6. PARTIALLY CONSTRUCT CONNECTION TO HAWTHORNE LANE.
7. CONSTRUCT THE SOUTHBOUND PORTION OF BALLARD ROAD TO THE LIMITS SHOWN ON THE PLANS.

STAGE 1 TRAFFIC

1. SHIFT WESTBOUND TRAFFIC TO SOUTH SIDE OF RAND ROAD WITH ONE 11' LANE IN EACH DIRECTION. SEPARATE TRAFFIC FROM WORK ZONE WITH DRUMS AND TEMPORARY CONCRETE BARRIER AS SHOWN ON THE PLANS.
2. MAINTAIN TRAFFIC ACCESS TO ALL RAND ROAD DRIVEWAYS.
3. SHIFT TRAFFIC TO HAWTHORNE LANE, PROVIDING ONE 10' LANE IN EACH DIRECTION EXCEPT DURING SHORT-TERM SINGLE LANE CLOSURES.
4. SHIFT TRAFFIC TO EAST SIDE OF BALLARD ROAD, PROVIDING ONE 10' LANE IN EACH DIRECTION.

STAGE 1B CONSTRUCTION

1. CONTINUE WORK ON WESTBOUND RAND ROAD.
2. CONSTRUCT REMAINING PORTION OF HAWTHORNE LANE.
3. CONSTRUCT THE NORTHBOUND PORTION OF BALLARD ROAD TO THE LIMITS SHOWN ON THE PLANS.

STAGE 1B TRAFFIC

1. RAND ROAD TRAFFIC REMAINS IN STAGE 1A CONFIGURATION.
2. MAINTAIN TRAFFIC ACCESS TO ALL RAND ROAD DRIVEWAYS.
3. SHIFT TRAFFIC TO WEST SIDE OF HAWTHORNE LANE, PROVIDING ONE 10' LANE IN EACH DIRECTION EXCEPT DURING SHORT-TERM SINGLE LANE CLOSURES.
4. SHIFT TRAFFIC TO WEST SIDE OF BALLARD ROAD, PROVIDING ONE 10' LANE IN EACH DIRECTION.

STAGE 2 CONSTRUCTION

1. CONSTRUCT THE EASTBOUND RAND ROAD PAVEMENT, SIDEWALKS, RETAINING WALLS, AND COMPENSATORY STORAGE AREA TO THE LIMITS SHOWN ON THE PLANS.
2. CONSTRUCT PROPOSED CBH DRIVEWAY (WILSON LANE).
3. CONSTRUCT PROPOSED MULTI-USE PATH BETWEEN ELK BLVD AND SCHOOL ENTRANCE WHILE EXISTING SIDEWALK IS OPERATIONAL TO PROVIDE PEDESTRIAN ACCESS FOR SCHOOL AND CBH.
4. CONSTRUCT SOUTH HALF OF THE STORM SYSTEM.

**SEQUENCE OF CONSTRUCTION (CONTINUED)**

STAGE 2 TRAFFIC

1. SHIFT TRAFFIC TO NORTH SIDE OF RAND ROAD WITH ONE 11' LANE IN EACH DIRECTION. SEPARATE TRAFFIC FROM WORK ZONE WITH DRUMS AND TEMPORARY CONCRETE BARRIER AS SHOWN ON THE PLANS.
2. MAINTAIN TRAFFIC ACCESS TO ALL RAND ROAD DRIVEWAYS.
3. HAWTHORNE LANE IN PROPOSED CONFIGURATION.
4. CONSTRUCT TEMPORARY CBH WEST DRIVEWAY WIDENING AND CONNECTION TO PROPOSED RAND ROAD PAVEMENT.
5. EXISTING WILSON LANE DRIVEWAY IS CLOSED TO TRAFFIC.
6. MAINTAIN DES PLAINES RIVER TRAIL NORTH-SOUTH CONNECTION AT BALLARD ROAD.
7. THE EXISTING SIDEWALK SOUTH OF RAND ROAD AND WEST OF THE SCHOOL ENTRANCE REMAINS OPEN TO PROVIDE PEDESTRIAN ACCESS FOR SCHOOL AND CBH.
8. SHIFT PEDESTRIAN TRAFFIC TO NORTH SIDEWALK.

STAGE 2B CONSTRUCTION

1. CONSTRUCT PART OF THE SCHOOL ENTRANCE PAVEMENT.

STAGE 2B TRAFFIC

1. MOVE CBH ENTRANCE TRAFFIC TO PROPOSED DRIVEWAY.

STAGE 2C CONSTRUCTION

1. CONSTRUCT REMAINING EB PAVEMENT AND MULTI-USE PATH.

STAGE 2C TRAFFIC

1. MOVE SCHOOL ENTRANCE TRAFFIC TO THE WEST, PROVIDING TWO 10' LANES.

STAGE 3 CONSTRUCTION (NOT SHOWN)

1. REMOVE TEMPORARY PAVEMENT AND STEEL PLATES OVER PERMANENT DRAINAGE FEATURES CONSTRUCTED IN STAGE 1.
2. CONSTRUCT REMAINING PROPOSED SIDEWALK, CURB AND GUTTER, AND DRAINAGE INLET TOPS TO COMPLETE RAODSIDE FEATURES.
3. INSTALL FINAL PAVMENT MARKINGS AND COMPLETE ANY REMAINING TRAFFIC SIGNAL WORK OR PUNCH LIST ITEMS.

STAGE 3 TRAFFIC (NOT SHOWN)

1. ALL TRAFFIC IN PROPOSED CONFIGURATION.
2. DROP-OFFS ADJACENT TO THE TRAVEL LANE THAT ARE NOT PROTECTED WITH A TEMPORARY CONCRETE BARRIER SHALL BE KEPT TO A MINIMUM. PROTECTION OF THE DROP-OFF SHALL BE ACCORDING TO THE BUREAU OF SAFETY PROGRAMS AND ENGINEERING AND SAFETY ENGINEERING POLICY MEMORANDUM 4-21. DROP-OFFS GREATER THAN OR EQUAL TO 24" WILL NOT BE ALLOWED AT LOCATIONS WHERE THE DROP-OFF IS LOCATED WITHIN 8 FEET OF THE EDGE OF THE TRAVEL LANE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT THE DROP-OFF AREAS MEET THE OFFSET, HEIGHT, AND DURATION REQUIREMENT TO USE BARRICADES AT THE END OF EACH WORKDAY. THIS MAY REQUIRE THE CONTRACTOR TO REPLACE OR PLACE SUFFICIENT MATERIAL IN THE EXCAVATION TO REDUCE THE DROP-OFF TO BE COMPLIANT WITH THE REQUIREMENTS FOR USE OF BARRICADES. NO ADDITIONAL COMPENSATION SHALL BE ALLOWED TO COMPLY WITH THIS REQUIREMENT.

FILE NAME = D:\60110-ph-t-2-2024\201.dgn



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PLOT DATE = 6/1/2024	CHECKED - MXF	REVISED -
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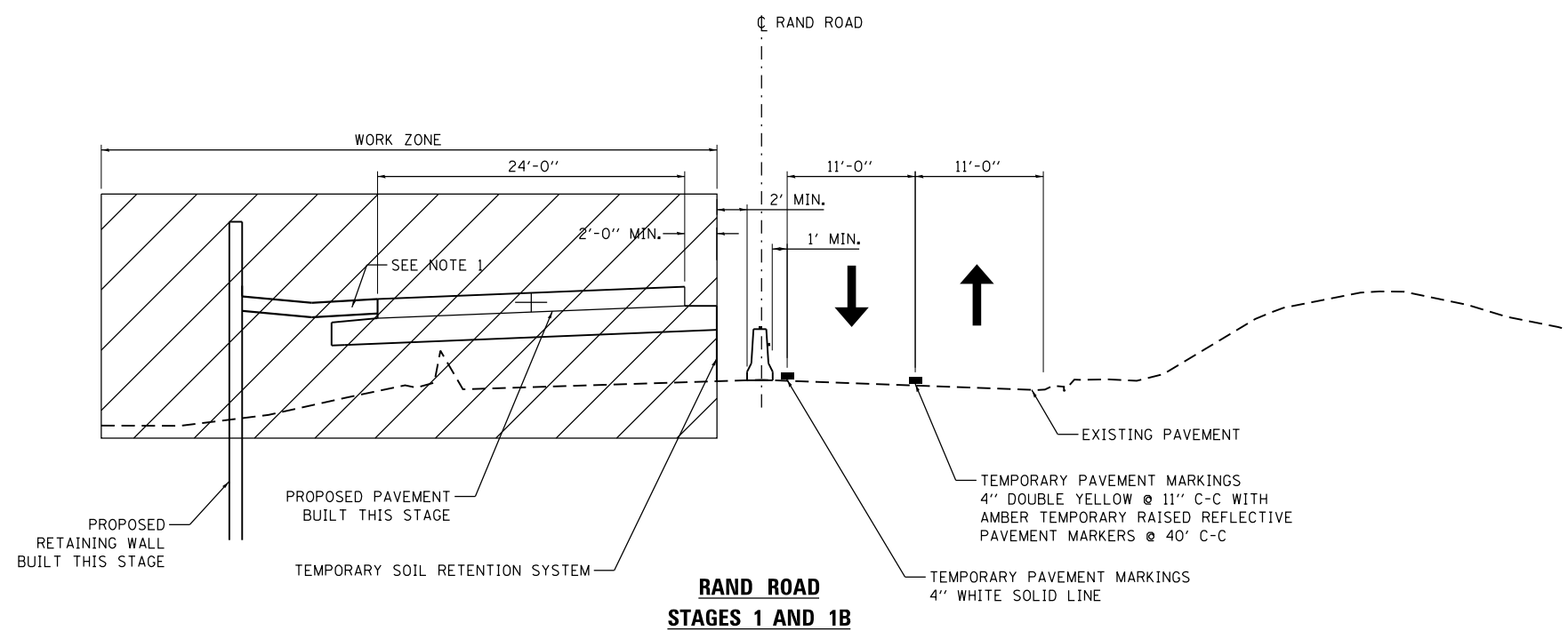
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
NOTES & SEQUENCE OF CONSTRUCTION

SCALE: NA SHEET 1 OF 1 SHEETS STA. TO STA.

2 REVISED ENTIRE SHEET 6/4/2024

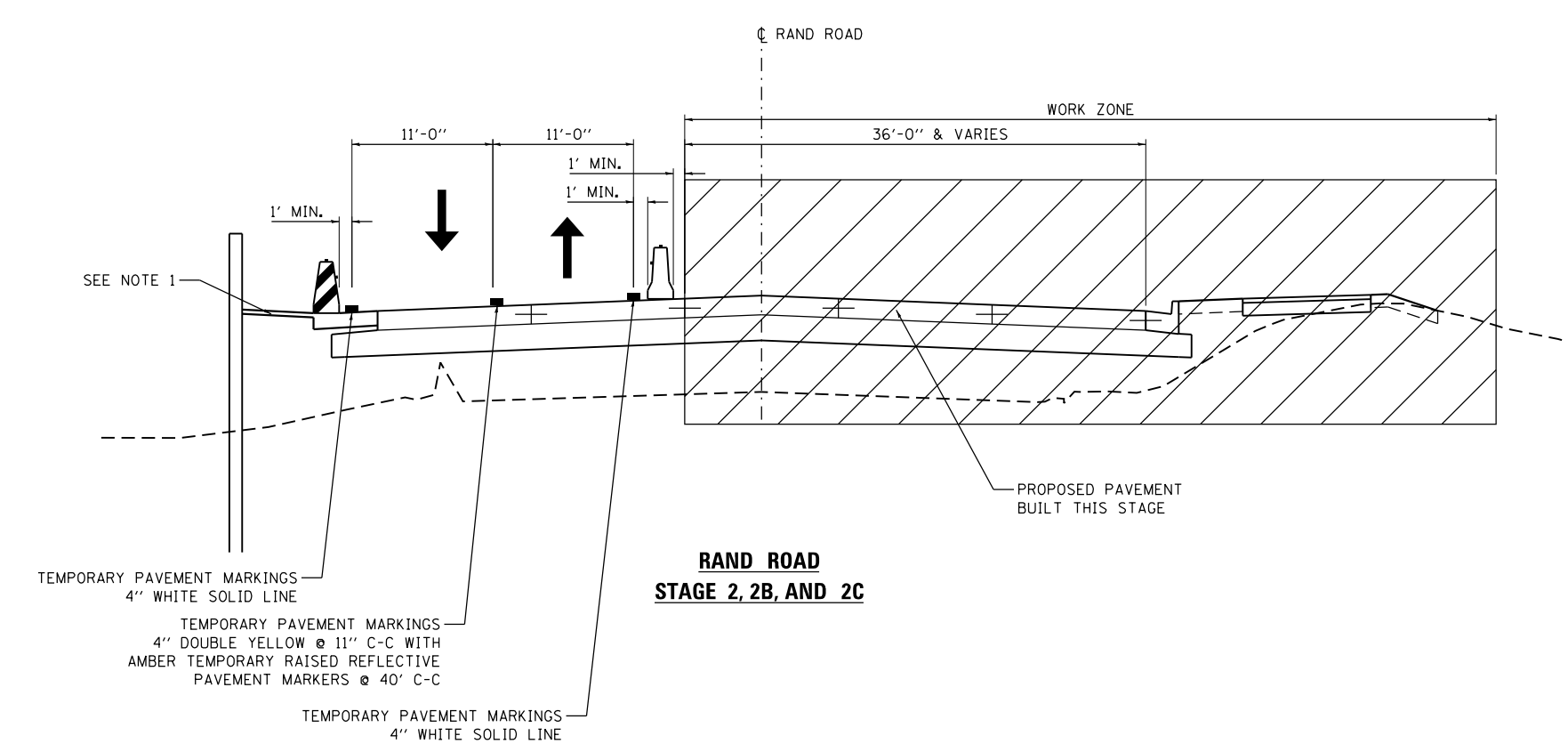
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	33
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



**LEGEND**

- DIRECTION OF TRAFFIC
- TEMPORARY CONCRETE BARRIER WITH DOUBLE SIDED CRYSTAL TYPE C REFLECTORS (STANDARD 704001) (RESTRAINED ON BRIDGE PER DETAIL R-27)
- TEMPORARY WATER FILLED BARRIER WITH DOUBLE SIDED CRYSTAL TYPE C REFLECTORS
- WORK ZONE

- NOTES**
- CONSTRUCT TEMPORARY PAVEMENT AND TEMPORARY SIDEWALK TO ACCOMMODATE PEDESTRIAN TRAFFIC AND PART OF THE OUTSIDE LANE. PLACE TEMPORARY WATER FILLED BARRIER WITH TEMPORARY TEST LEVEL 2 IMPACT ATTENUATOR DURING STAGE 2 WHEN ADJACENT TO OPEN TRAFFIC. PERMANENT SIDEWALK AND CURB AND GUTTER CONSTRUCTED IN STAGE 3 (NOT SHOWN IN STAGING PLANS).
  - TRAFFIC SIDE BARRIER PINNING BEYOND THE RESTRAINED BRIDGE BARRIER SHALL BE REQUIRED WHEN A DROP-OFF IS LOCATED WITHIN 24 IN. BEHIND FREE STANDING BARRIER. A MINIMUM OF 6 IN. OF CLEAR LEVEL PAVEMENT IS REQUIRED BEHIND BARRIER THAT IS EITHER PINNED OR RESTRAINED.



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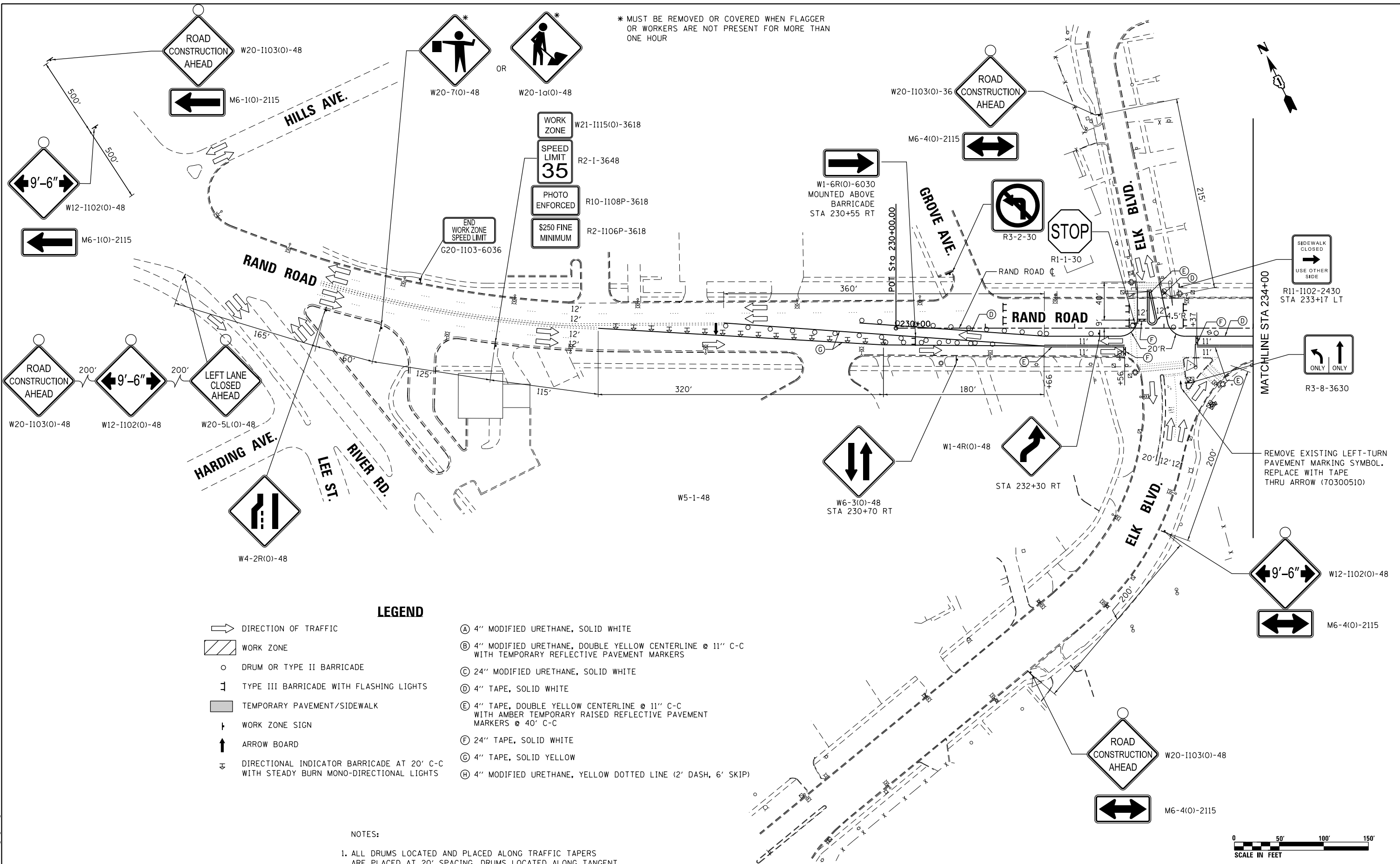
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	PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>STAGES OF CONSTRUCTION &amp; TRAFFIC CONTROL TYPICAL SECTIONS</b>			
SCALE: NA	SHEET 1 OF 1 SHEETS	STA. TO STA.	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	34
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT/SIDEWALK
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- (A) 4" MODIFIED URETHANE, SOLID WHITE
- (B) 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- (C) 24" MODIFIED URETHANE, SOLID WHITE
- (D) 4" TAPE, SOLID WHITE
- (E) 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- (F) 24" TAPE, SOLID WHITE
- (G) 4" TAPE, SOLID YELLOW
- (H) 4" MODIFIED URETHANE, YELLOW DOTTED LINE (2' DASH, 6' SKIP)

**NOTES:**

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



2 REVISED ENTIRE SHEET 6/4/2024

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PLOT DATE = 6/1/2024	CHECKED - MXF	REVISED -
	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 1**

SCALE: 1" = 50' SHEET 1 OF 4 SHEETS STA. 230+00.00 TO STA. 234+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	35
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

5' TEMPORARY SIDEWALK

DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

SIDEWALK CLOSED  
R11-1101-2418

W20-1103(O)-36



M6-4(O)-2115



W20-1a(O)-48  
STA 224+70 RT

Sta 237+59.05 (RAND ROAD)  
Sta 10+00.00 (HAWTHORNE LN.)

BEGIN TEMPORARY CONCRETE BARRIER  
STA. 240+50.00  
3.50' LT

IMPACT ATTENUATORS,  
TEMPORARY  
(NON- REDIRECTIVE,  
NARROW), TEST LEVEL 2

MAINTAIN TRAFFIC  
ACCESS TO DRIVEWAYS  
(TYP.)

TCB RESTRAINED  
TO EXISTING  
BRIDGE DECK  
PER DET. R-27

PC Sta 245+62.85  
PC Sta 245+93.06

MATCHLINE STA 234+00

MATCHLINE STA 246+50

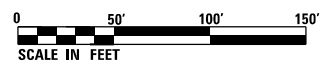
- WORK ZONE W21-1115(O)-3618
  - SPEED LIMIT 35 R2-1-3648
  - PHOTO ENFORCED R10-1108P-3618
  - \$250 FINE MINIMUM R2-1106P-3618
- STA 234+30 RT

**LEGEND**

- DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- DRUM OR TYPE II BARRICADE
- ⌄ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▭ TEMPORARY PAVEMENT/SIDEWALK
- ⌄ WORK ZONE SIGN
- ↑ ARROW BOARD
- ⌄ DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- (A) 4" MODIFIED URETHANE, SOLID WHITE
- (B) 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- (C) 24" MODIFIED URETHANE, SOLID WHITE
- (D) 4" TAPE, SOLID WHITE
- (E) 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- (F) 24" TAPE, SOLID WHITE
- (G) 4" TAPE, SOLID YELLOW
- (H) 4" MODIFIED URETHANE, YELLOW DOTTED LINE (2' DASH, 6' SKIP)

**NOTES:**

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



REVISED ENTIRE SHEET 6/4/2024

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PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 1

SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. 234+00.00 TO STA. 246+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	36
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

- WORK ZONE W21-1115(O)-3618
- SPEED LIMIT R2-1-3648  
**35**
- PHOTO ENFORCED R10-1108P-3618
- \$250 FINE MINIMUM R2-1106P-3618

10' WIDE, 6" WHITE BORDER WITH 12" WHITE DIAGONALS @45° AND 2' SPACING

STA 249+90 LT

Sta 250+77.52 (RAND ROAD)  
Sta 20+00.00 (BALLARD ROAD)

PC Sta 21+62.99

W12-1102(O)-48  
STA 24+44 LT

W20-1a(O)-48  
STA 21+60 LT

W6-3(O)-48  
STA 253+45 LT

W1-6L(O)-6030  
MOUNTED ABOVE BARRICADE  
STA 254+28 RT

W1-4L(O)-48

W11-15(O)-36

W16-7P-2412

12" YELLOW DIAGONALS, 5 EQUALLY SPACED TYPE IV TAPE

CONTRACTOR SHALL NOT OBSTRUCT THE CLOSING PATH OF EXISTING ROADWAY FLOOD GATES AT ANY TIME

IMPACT ATTENUATORS, TEMPORARY (NON- REDIRECTIVE, NARROW), TEST LEVEL 2

END TEMPORARY CONCRETE BARRIER STA. 249+50.00 6.00' RT

TCB STA 249+00.00 11.00' RT

MATCHLINE STA 246+50

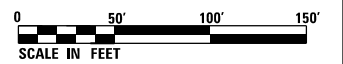
MATCHLINE STA 259+00

**LEGEND**

- DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- DRUM OR TYPE II BARRICADE
- ⌋ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▭ TEMPORARY PAVEMENT/SIDEWALK
- ⌋ WORK ZONE SIGN
- ↑ ARROW BOARD
- ⌋ DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- Ⓐ 4" MODIFIED URETHANE, SOLID WHITE
- Ⓑ 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- Ⓒ 24" MODIFIED URETHANE, SOLID WHITE
- Ⓓ 4" TAPE, SOLID WHITE
- Ⓔ 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- Ⓕ 24" TAPE, SOLID WHITE
- Ⓖ 4" TAPE, SOLID YELLOW
- Ⓗ 4" MODIFIED URETHANE, YELLOW DOTTED LINE (2' DASH, 6' SKIP)

**NOTES:**

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



REVISOR'S MARK REVISIONS  
2 REVISOR'S MARK REVISIONS  
REVISED ENTIRE SHEET 6/4/2024

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PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 1**

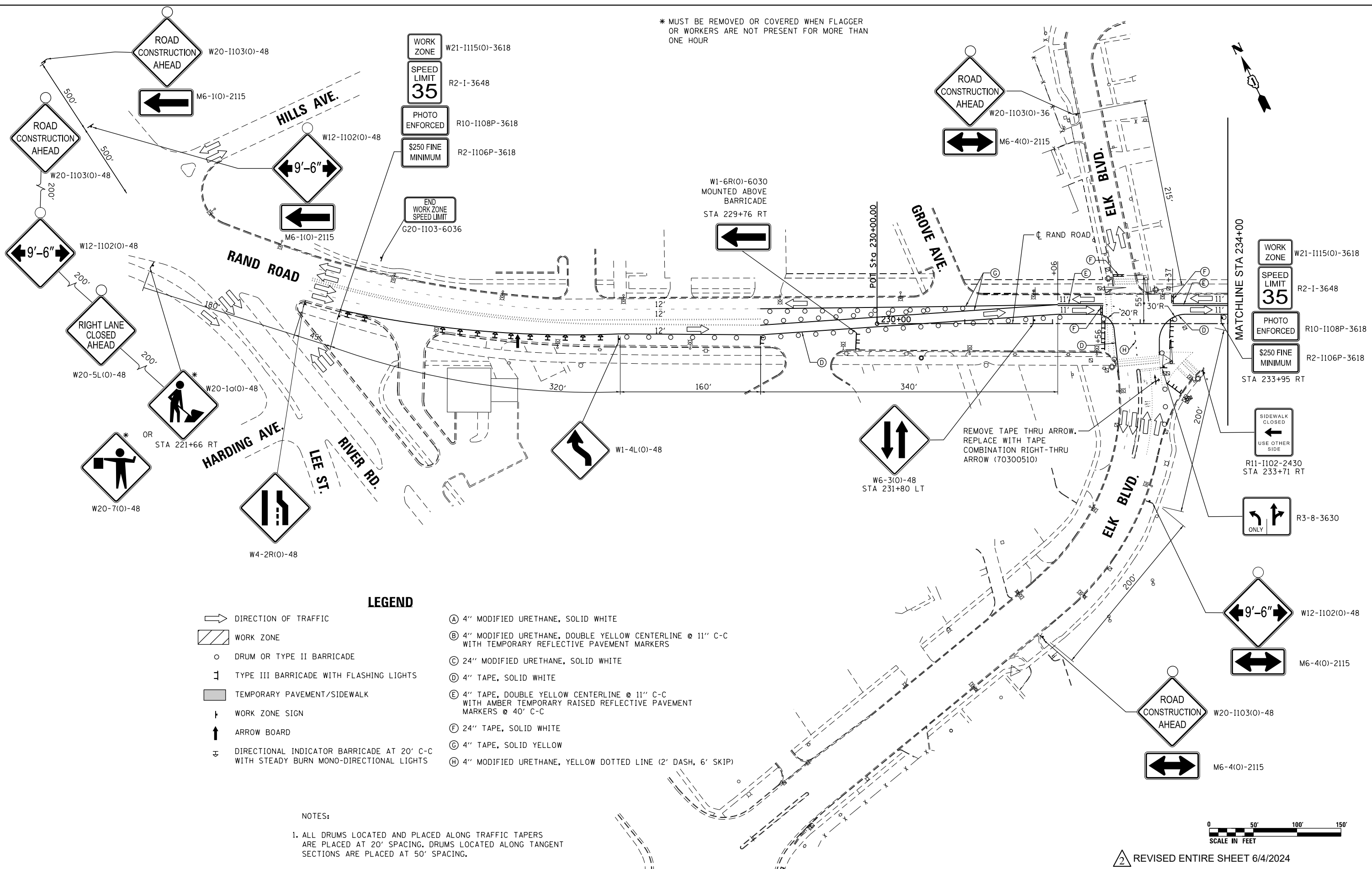
SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. 246+50.00 TO STA. 259+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	37
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**LEGEND**

- ➔ DIRECTION OF TRAFFIC
- ▨ WORK ZONE
- DRUM OR TYPE II BARRICADE
- ⌚ TYPE III BARRICADE WITH FLASHING LIGHTS
- ▭ TEMPORARY PAVEMENT/SIDEWALK
- ⌚ WORK ZONE SIGN
- ↑ ARROW BOARD
- ⌚ DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- Ⓐ 4" MODIFIED URETHANE, SOLID WHITE
- Ⓑ 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- Ⓒ 24" MODIFIED URETHANE, SOLID WHITE
- Ⓓ 4" TAPE, SOLID WHITE
- Ⓔ 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- Ⓕ 24" TAPE, SOLID WHITE
- Ⓖ 4" TAPE, SOLID YELLOW
- Ⓖ 4" TAPE, SOLID YELLOW
- Ⓗ 4" MODIFIED URETHANE, YELLOW DOTTED LINE (2' DASH, 6' SKIP)

NOTES:  
 1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



2 REVISED ENTIRE SHEET 6/4/2024

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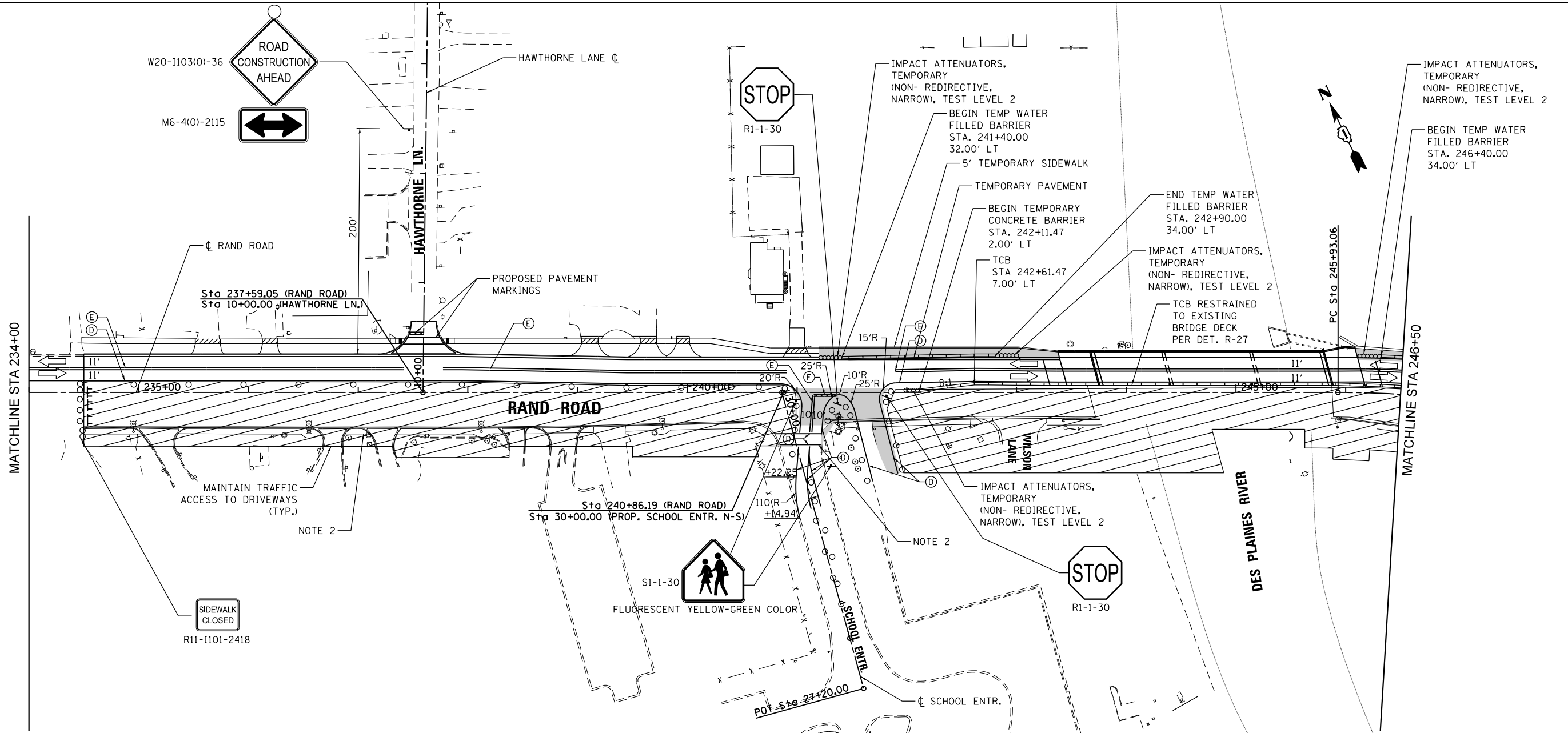
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PLOT DATE = 6/1/2024	CHECKED - MXF	REVISED -
	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
 STAGE 2**

SCALE: 1" = 50' SHEET 1 OF 4 SHEETS STA. 230+00.00 TO STA. 234+00.00

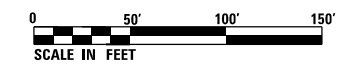
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3523	120-Y-B	COOK	267	40
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- ➔ DIRECTION OF TRAFFIC
  - ▨ WORK ZONE
  - DRUM OR TYPE II BARRICADE
  - ⊥ TYPE III BARRICADE WITH FLASHING LIGHTS
  - ▭ TEMPORARY PAVEMENT/SIDEWALK
  - ⊥ WORK ZONE SIGN
  - ↑ ARROW BOARD
  - ⊥ DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
  - Ⓐ 4" MODIFIED URETHANE, SOLID WHITE
  - Ⓑ 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
  - Ⓒ 24" MODIFIED URETHANE, SOLID WHITE
  - Ⓓ 4" TAPE, SOLID WHITE
  - Ⓔ 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
  - Ⓕ 24" TAPE, SOLID WHITE
  - Ⓖ 4" TAPE, SOLID YELLOW
  - Ⓖ 4" MODIFIED URETHANE, YELLOW DOTTED LINE (2' DASH, 6' SKIP)

**NOTES:**

- ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING, DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.
- PROPOSED MULTI-USE PATH BETWEEN ELK BOULEVARD AND WILSON LANE MUST BE OPEN TO PEDESTRIAN TRAFFIC BEFORE THE START OF THE SCHOOL YEAR.



2 REVISED ENTIRE SHEET 6/4/2024

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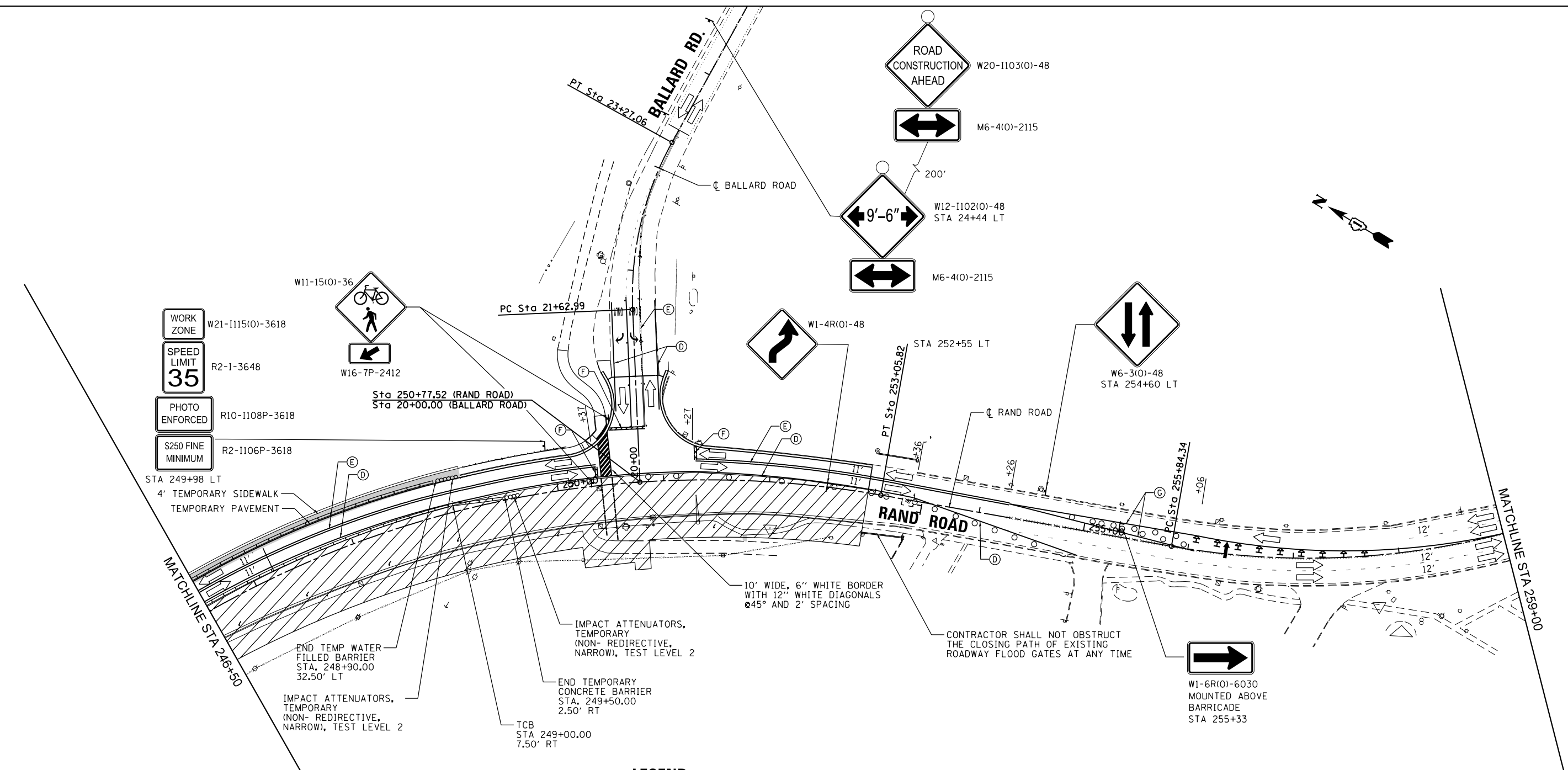
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 2**

SCALE: 1" = 50' SHEET 2 OF 4 SHEETS STA. 234+00.00 TO STA. 246+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	41
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

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- WORK ZONE W21-1115(O)-3618
- SPEED LIMIT 35 R2-I-3648
- PHOTO ENFORCED R10-1108P-3618
- \$250 FINE MINIMUM R2-1106P-3618

**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT/SIDEWALK
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- (A) 4" MODIFIED URETHANE, SOLID WHITE
- (B) 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- (C) 24" MODIFIED URETHANE, SOLID WHITE
- (D) 4" TAPE, SOLID WHITE
- (E) 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- (F) 24" TAPE, SOLID WHITE
- (G) 4" TAPE, SOLID YELLOW
- (H) 4" MODIFIED URETHANE, YELLOW DOTTED LINE (2' DASH, 6' SKIP)

**NOTES:**

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.



2 REVISD ENTIRE SHEET 6/4/2024



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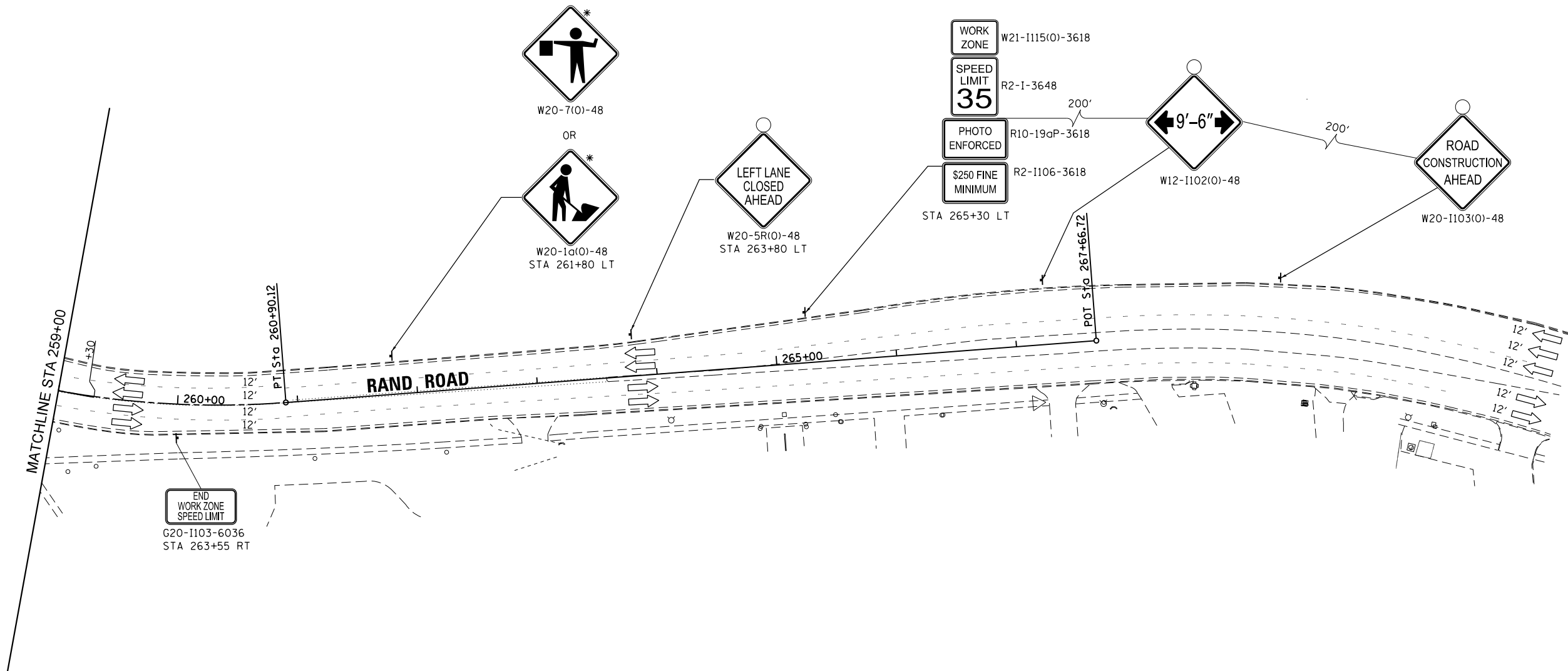
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 2

SCALE: 1" = 50' SHEET 3 OF 4 SHEETS STA. 246+50.00 TO STA. 259+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	42
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

\* MUST BE REMOVED OR COVERED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR



**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT/SIDEWALK
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- 4" MODIFIED URETHANE, SOLID WHITE
- 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- 24" MODIFIED URETHANE, SOLID WHITE
- 4" TAPE, SOLID WHITE
- 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- 24" TAPE, SOLID WHITE
- 4" TAPE, SOLID YELLOW
- 4" MODIFIED URETHANE, YELLOW DOTTED LINE (2' DASH, 6' SKIP)

NOTES:

1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.
2. SEE SHEET 38 FOR ADVANCE MAX WIDTH SIGNING AT RAND ROAD AND DEMPSTER ST. INTERSECTION



2 REVISED ENTIRE SHEET 6/4/2024

FILE NAME = D:\60110-rt-24\stage2\34.dgn



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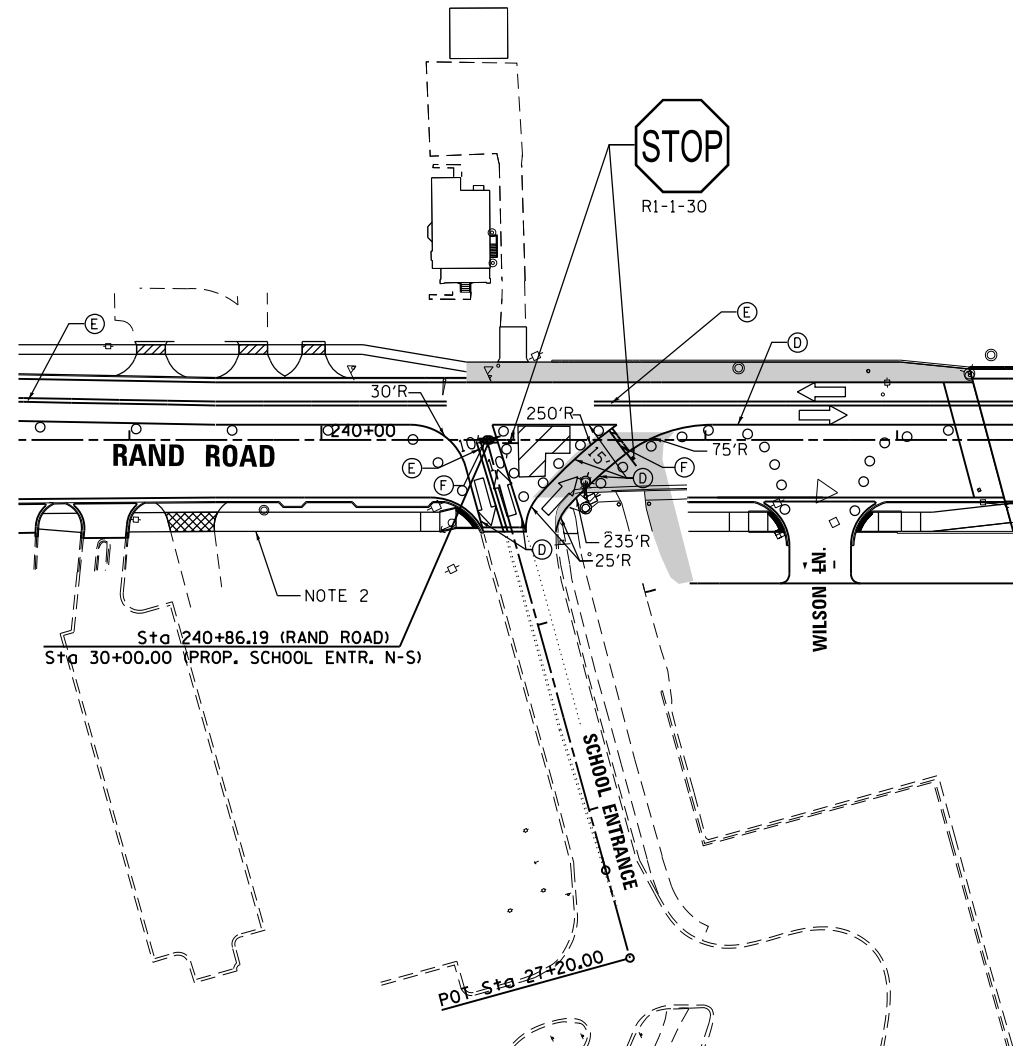
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 2

SCALE: 1" = 50' SHEET 4 OF 4 SHEETS STA. 259+00.00 TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	43
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





**LEGEND**

- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT/SIDEWALK
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- 4" MODIFIED URETHANE, SOLID WHITE
- 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- 24" MODIFIED URETHANE, SOLID WHITE
- 4" TAPE, SOLID WHITE
- 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- 24" TAPE, SOLID WHITE
- 4" TAPE, SOLID YELLOW
- 4" MODIFIED URETHANE, YELLOW DOTTED LINE (2' DASH.

- NOTES:
1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.
  2. PROPOSED MULTI-USE PATH BETWEEN ELK BOULEVARD AND WILSON LANE MUST BE OPEN TO PEDESTRIAN TRAFFIC BEFORE THE START OF THE SCHOOL YEAR.

REVISED ENTIRE SHEET 6/4/2024

FILE NAME = D:\60110-ph-t-2024\60110-24.dgn



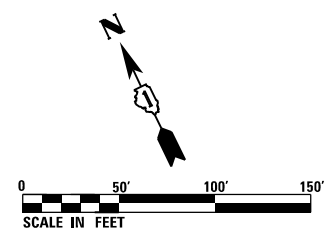
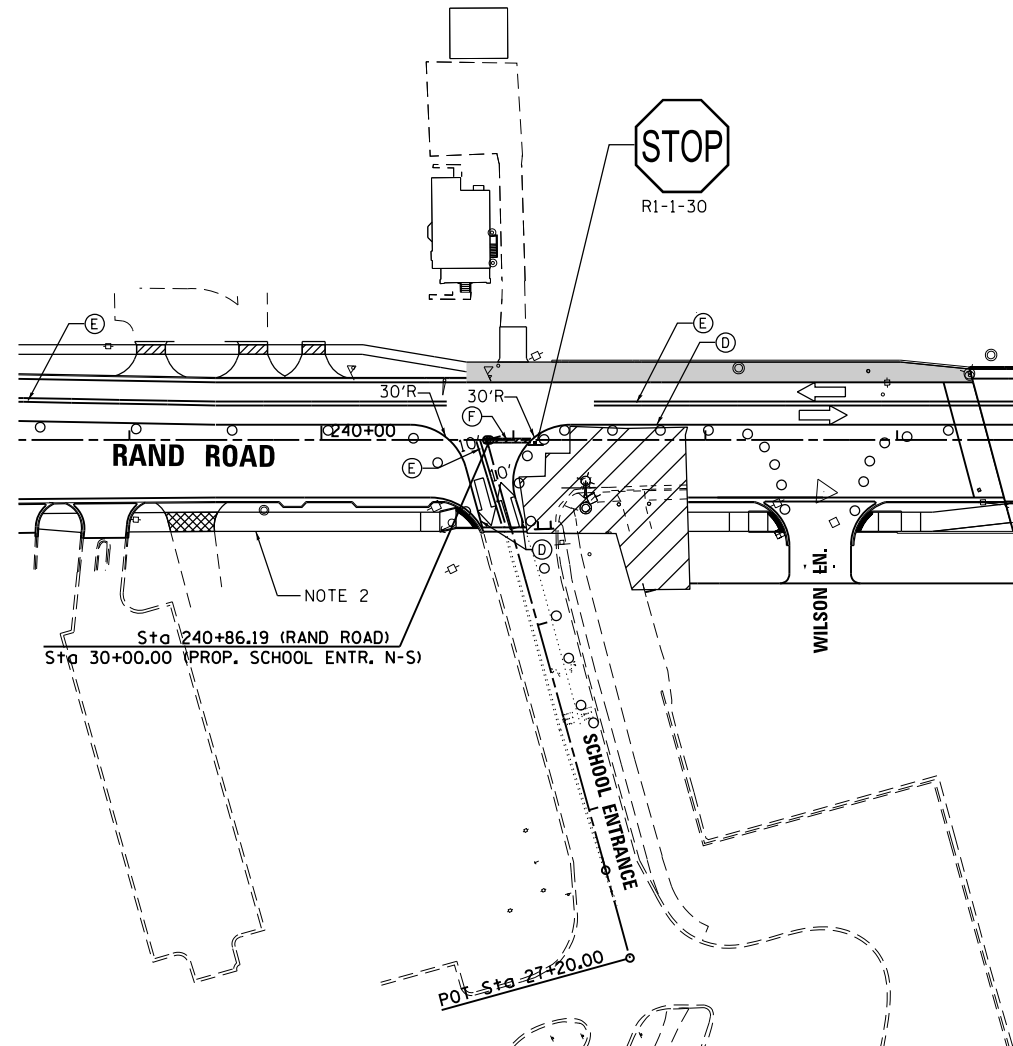
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PLOT SCALE = 100.0000' / 1" =	CHECKED - MXF	REVISED -
PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STAGES OF CONSTRUCTION & TRAFFIC CONTROL  
STAGE 2B**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	44
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



**LEGEND**

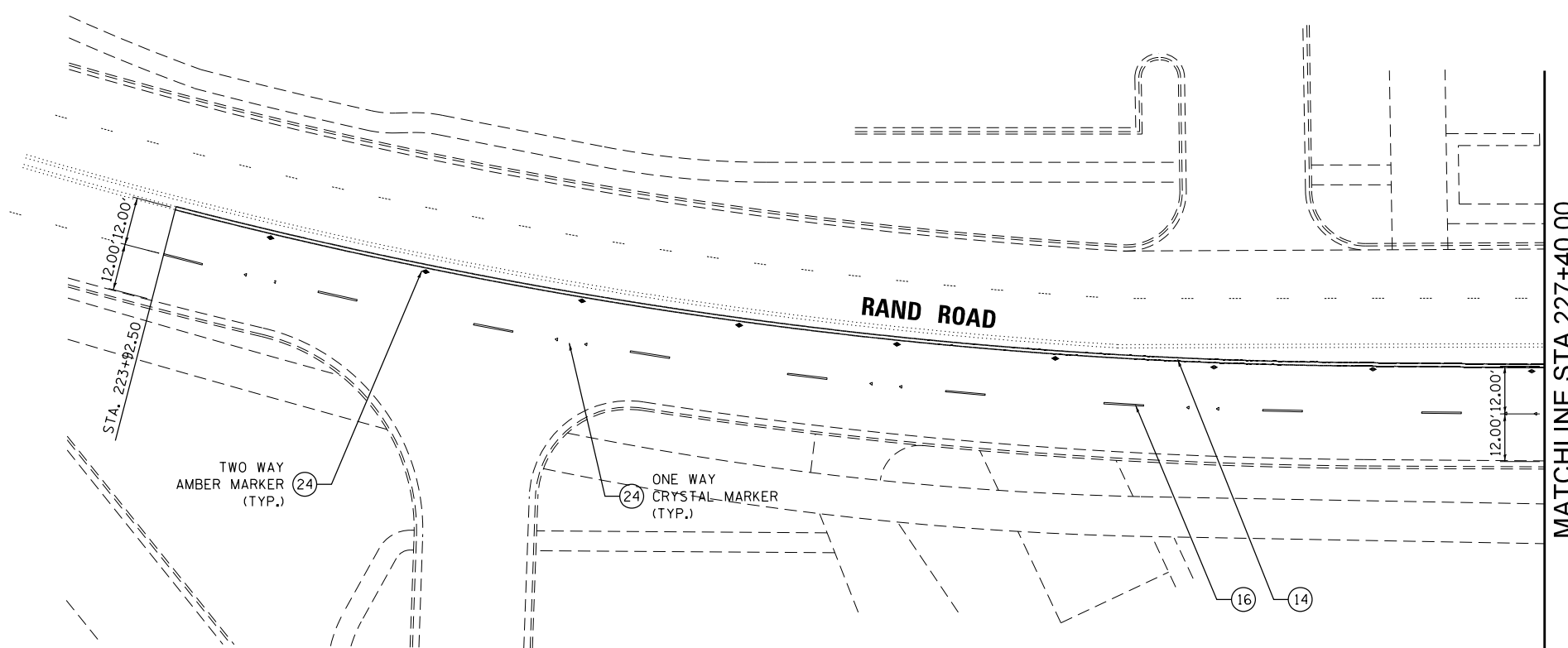
- DIRECTION OF TRAFFIC
- WORK ZONE
- DRUM OR TYPE II BARRICADE
- TYPE III BARRICADE WITH FLASHING LIGHTS
- TEMPORARY PAVEMENT/SIDEWALK
- WORK ZONE SIGN
- ARROW BOARD
- DIRECTIONAL INDICATOR BARRICADE AT 20' C-C WITH STEADY BURN MONO-DIRECTIONAL LIGHTS
- 4" MODIFIED URETHANE, SOLID WHITE
- 4" MODIFIED URETHANE, DOUBLE YELLOW CENTERLINE @ WITH TEMPORARY REFLECTIVE PAVEMENT MARKERS
- 24" MODIFIED URETHANE, SOLID WHITE
- 4" TAPE, SOLID WHITE
- 4" TAPE, DOUBLE YELLOW CENTERLINE @ 11" C-C WITH AMBER TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS @ 40' C-C
- 24" TAPE, SOLID WHITE
- 4" TAPE, SOLID YELLOW
- 4" MODIFIED URETHANE, YELLOW DOTTED LINE (2' DASH.

- NOTES:
1. ALL DRUMS LOCATED AND PLACED ALONG TRAFFIC TAPERS ARE PLACED AT 20' SPACING. DRUMS LOCATED ALONG TANGENT SECTIONS ARE PLACED AT 50' SPACING.
  2. PROPOSED MULTI-USE PATH BETWEEN ELK BOULEVARD AND WILSON LANE MUST BE OPEN TO PEDESTRIAN TRAFFIC BEFORE THE START OF THE SCHOOL YEAR.

REVISED ENTIRE SHEET 6/4/2024

FILE NAME = D:\6010-ph-t-2024\6010-243.dgn

	USER NAME = F10w1cM	DESIGNED - MCK	REVISED -  REVISED SHEET	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STAGES OF CONSTRUCTION &amp; TRAFFIC CONTROL</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - MCK	CHECKED - MXF	REVISED -		3523	120-Y-B	COOK	267	45	CONTRACT NO. 60J10		
PLOT SCALE = 100.0000' / 1" =	PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -	SCALE: 1" = 50'	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT					



- NOTES:
1. SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  2. PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.
  3. THERMOPLASTIC PAVEMENT MARKING REPLACEMENT BEGINS AT STA. 223+92.50 ON RAND ROAD AND MATCHES EXISTING PAVEMENT MARKINGS AT THIS POINT.

LEGEND	
① MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	⑫ PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE
② MODIFIED URETHANE PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C	⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
③ MODIFIED URETHANE PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C	⑭ THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
④ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK), (10' DASH, 30' SKIP) GROOVED	⑮ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
⑤ MODIFIED URETHANE PAVEMENT MARKING - 4" WHITE SOLID LINE	⑯ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑥ MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE SOLID LINE	⑰ THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑦ MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)	⑱ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑧ MODIFIED URETHANE PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C	⑲ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑨ MODIFIED URETHANE PAVEMENT MARKING - 12" WHITE CROSSWALK LINE	⑳ THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
⑩ MODIFIED URETHANE PAVEMENT MARKING - 24" WHITE STOP BAR	㉑ THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑪ PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)	㉒ THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
	㉓ THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
	㉔ RAISED REFLECTIVE PAVEMENT MARKER OR RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT (OUTSIDE OF IMPROVEMENTS LIMITS)

FILE NAME = D:\60110-rt-pmk\200.dgn



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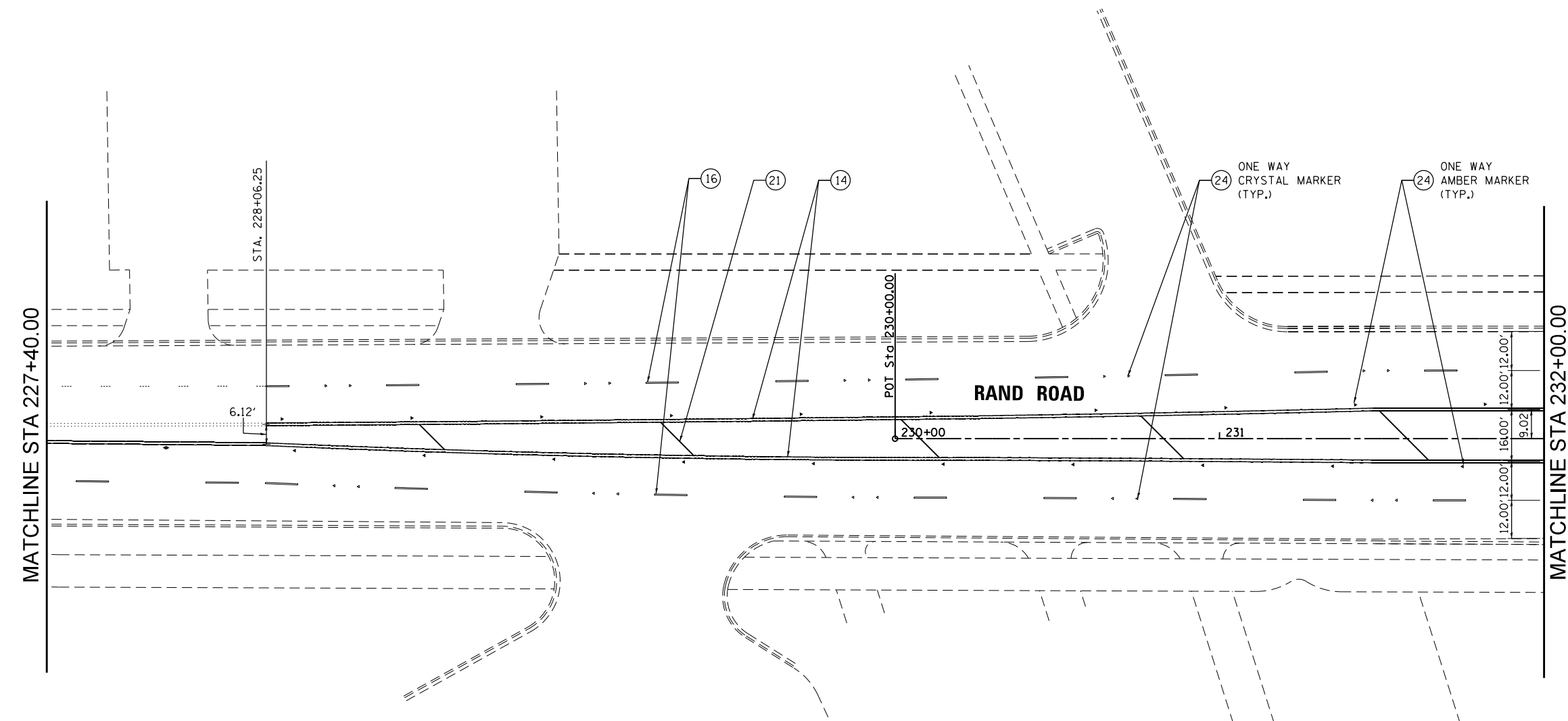
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
RAND ROAD**

SCALE: 1" = 20' SHEET 1 OF 9 SHEETS STA. 223+92.50 TO STA. 227+40.00

2 REVISED ENTIRE SHEET 6/4/2024

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	94
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  2. CONCRETE PAVEMENT BEGINS AT STA. 234+50.00 ON RAND ROAD. PAVEMENT MARKING MATERIAL CHANGES FROM THERMOPLASTIC TO MODIFIED URETHANE AT THIS JOINT.
  3. PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.
  4. THERMOPLASTIC PAVEMENT MARKING REPLACEMENT BEGINS AT STA. 228+06.00 ON RAND ROAD AND MATCHES EXISTING PAVEMENT MARKINGS AT THIS POINT.

LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
②	MODIFIED URETHANE PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③	MODIFIED URETHANE PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK), (10' DASH, 30' SKIP) GROOVED
⑤	MODIFIED URETHANE PAVEMENT MARKING - 4" WHITE SOLID LINE
⑥	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧	MODIFIED URETHANE PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑨	MODIFIED URETHANE PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑩	MODIFIED URETHANE PAVEMENT MARKING - 24" WHITE STOP BAR
⑪	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)
⑫	PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑬	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
⑭	THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
⑮	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
⑯	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑰	THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑱	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑲	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑳	THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
㉑	THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
㉒	THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
㉓	THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
㉔	RAISED REFLECTIVE PAVEMENT MARKER OR RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT (OUTSIDE OF IMPROVEMENTS LIMITS)

△ 2 REVISED ENTIRE SHEET 6/4/2024

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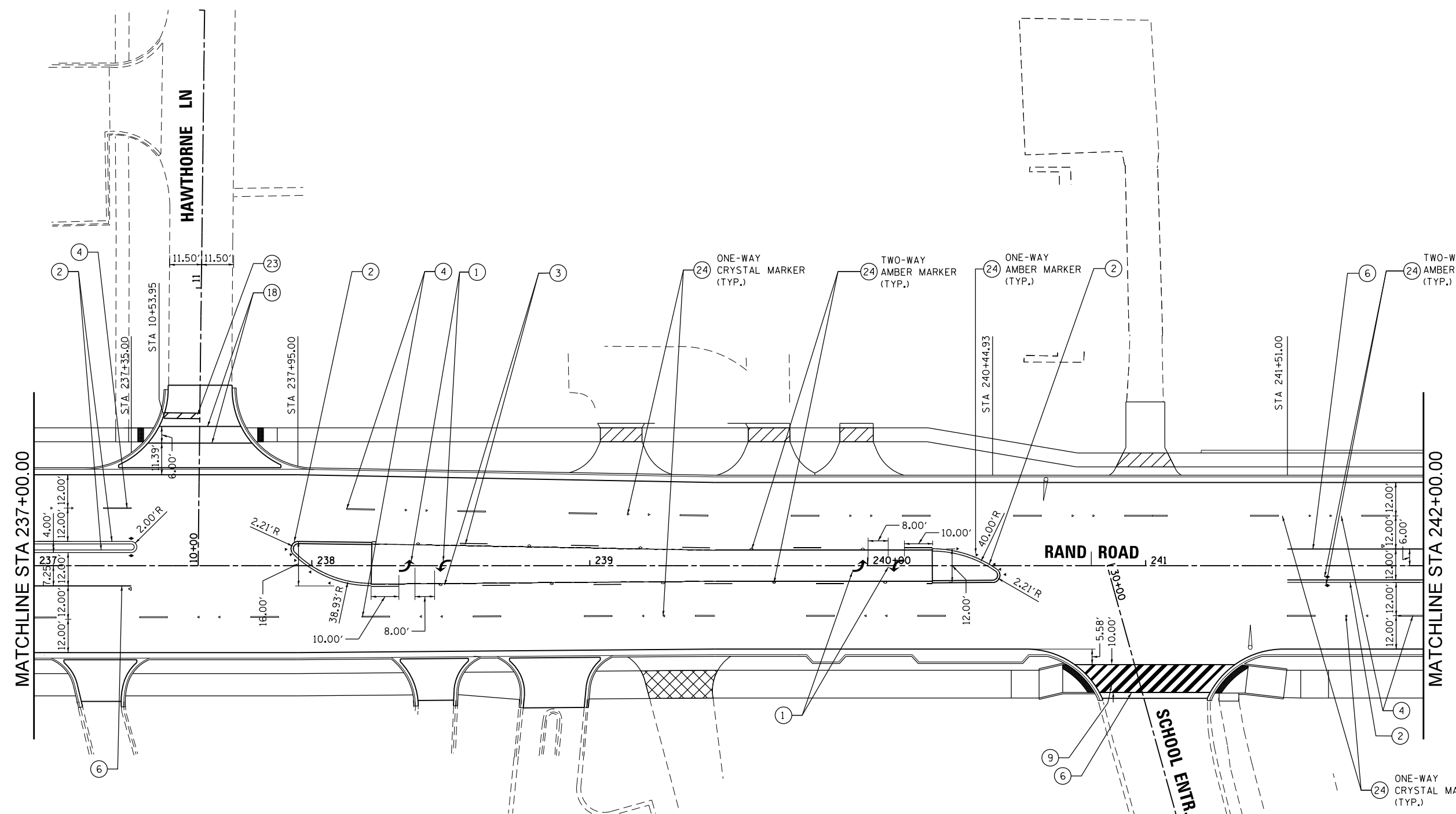
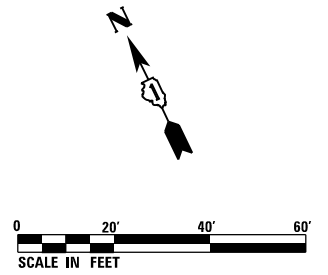
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PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN RAND ROAD			
SCALE: 1" = 20'	SHEET 2 OF 9 SHEETS	STA. 227+40.00 TO STA. 232+00.00	

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	95
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				





NOTES:  
 1. SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.

LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
②	MODIFIED URETHANE PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③	MODIFIED URETHANE PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK), (10' DASH, 30' SKIP) GROOVED
⑤	MODIFIED URETHANE PAVEMENT MARKING - 4" WHITE SOLID LINE
⑥	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧	MODIFIED URETHANE PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑨	MODIFIED URETHANE PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑩	MODIFIED URETHANE PAVEMENT MARKING - 24" WHITE STOP BAR
⑪	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)
⑫	PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑬	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
⑭	THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
⑮	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
⑯	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑰	THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑱	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑲	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑳	THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
㉑	THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
㉒	THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
㉓	THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
㉔	RAISED REFLECTIVE PAVEMENT MARKER OR RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT (OUTSIDE OF IMPROVEMENTS LIMITS)

FILE NAME = D:\6010-ph-t-pmk-203.dgn



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PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN  
 RAND ROAD**

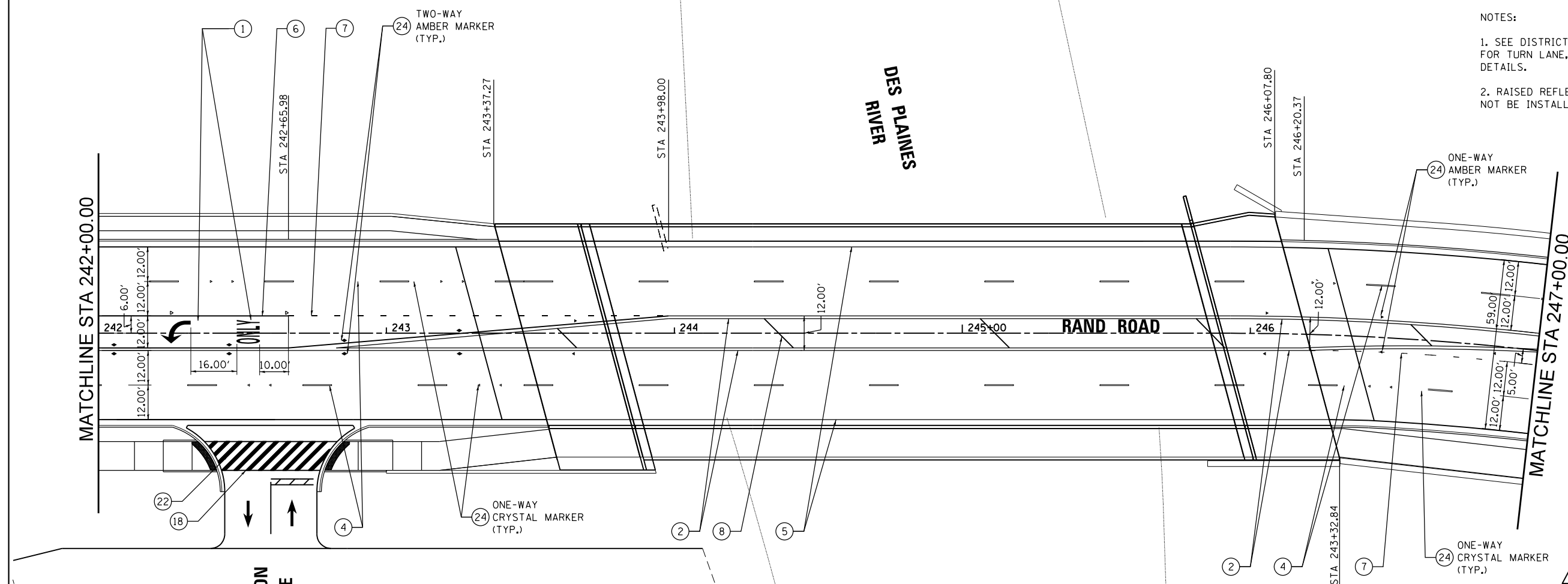
SCALE: 1" = 20' SHEET 4 OF 9 SHEETS STA. 237+00.00 TO STA. 242+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	97
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

2 REVISED ENTIRE SHEET 6/4/2024



- NOTES:
- SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  - RAISED REFLECTIVE PAVEMENT MARKERS SHALL NOT BE INSTALLED WITHIN BRIDGE LIMITS.



2 REVISD ENTIRE SHEET 6/4/2024

LEGEND	
1	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
2	MODIFIED URETHANE PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
3	MODIFIED URETHANE PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C
4	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK), (10' DASH, 30' SKIP) GROOVED
5	MODIFIED URETHANE PAVEMENT MARKING - 4" WHITE SOLID LINE
6	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE SOLID LINE
7	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
8	MODIFIED URETHANE PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C
9	MODIFIED URETHANE PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
10	MODIFIED URETHANE PAVEMENT MARKING - 24" WHITE STOP BAR
11	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)
12	PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE
13	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
14	THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
15	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
16	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
17	THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
18	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
19	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
20	THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
21	THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75' C-C
22	THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
23	THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
24	RAISED REFLECTIVE PAVEMENT MARKER OR RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT (OUTSIDE OF IMPROVEMENTS LIMITS)

FILE NAME = D:\60J10-rt-pmk\204.dgn

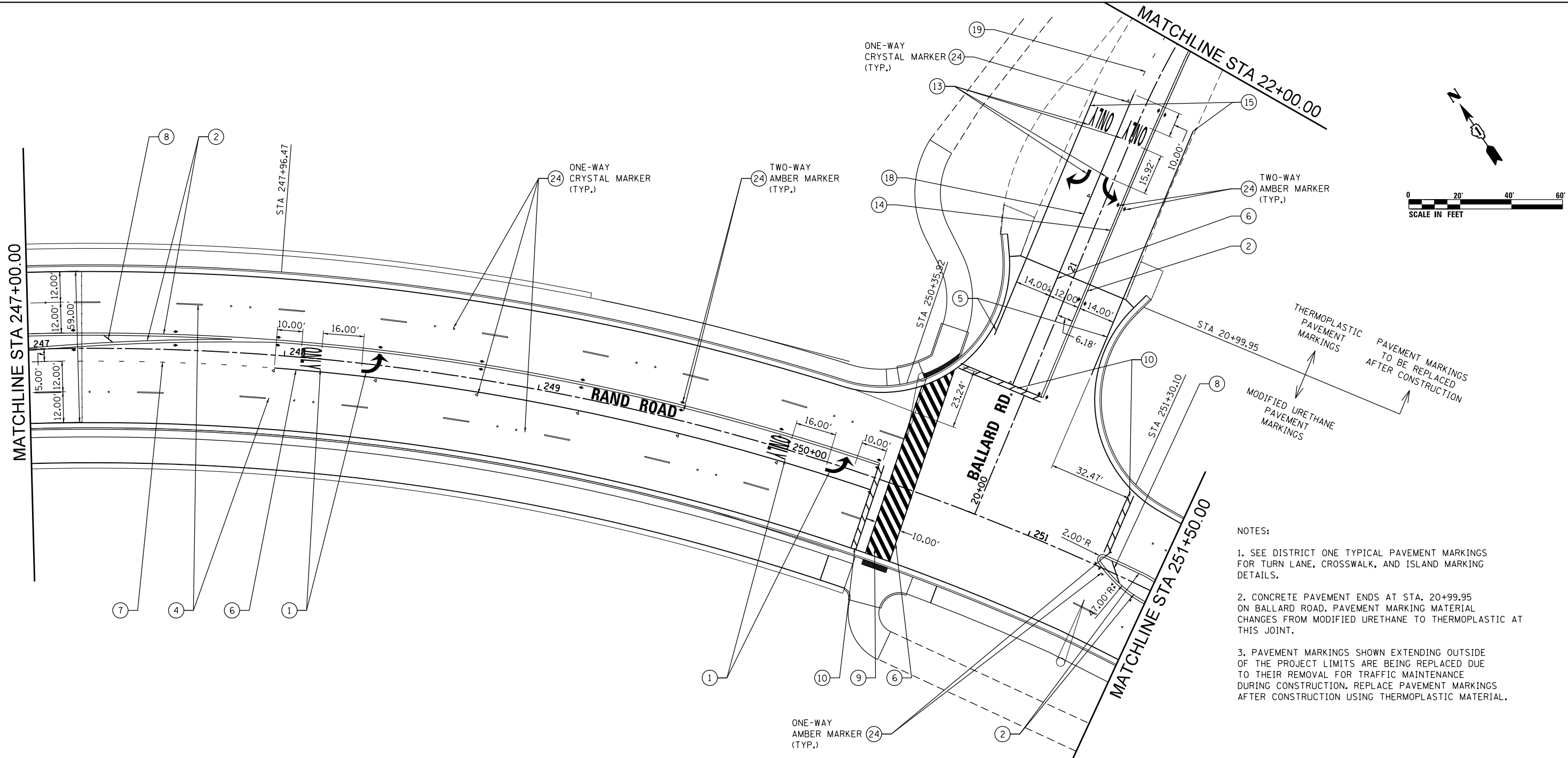


USER NAME = F101010M	DESIGNED - MCK	REVISED - 2 REVISD SHEET
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PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING PLAN	
RAND ROAD	
SCALE: 1" = 20'	SHEET 5 OF 9 SHEETS STA. 242+00.00 TO STA. 247+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	98
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



- NOTES:
- SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  - CONCRETE PAVEMENT ENDS AT STA. 20+99.95 ON BALLARD ROAD. PAVEMENT MARKING MATERIAL CHANGES FROM MODIFIED URETHANE TO THERMOPLASTIC AT THIS JOINT.
  - PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.

LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
②	MODIFIED URETHANE PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③	MODIFIED URETHANE PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK), (10' DASH, 30' SKIP) GROOVED
⑤	MODIFIED URETHANE PAVEMENT MARKING - 4" WHITE SOLID LINE
⑥	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧	MODIFIED URETHANE PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑨	MODIFIED URETHANE PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑩	MODIFIED URETHANE PAVEMENT MARKING - 24" WHITE STOP BAR
⑪	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)
⑫	PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑬	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
⑭	THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
⑮	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
⑯	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑰	THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑱	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑲	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑳	THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
㉑	THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
㉒	THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
㉓	THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
㉔	RAISED REFLECTIVE PAVEMENT MARKER OR RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT (OUTSIDE OF IMPROVEMENTS LIMITS)

FILE NAME = D:\60110-rt-pmk\205.dgn



USER NAME = F101010M	DESIGNED - MCK	REVISED - 2 REVISED SHEET
	DRAWN - MCK	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING PLAN RAND ROAD</b>			
SCALE: 1" = 20'	SHEET 6 OF 9 SHEETS	STA. 247+00.00 TO STA. 251+50.00	

F.A.U. RTE. 3523	SECTION 120-Y-B	COUNTY COOK	TOTAL SHEETS 267	SHEET NO. 99
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				

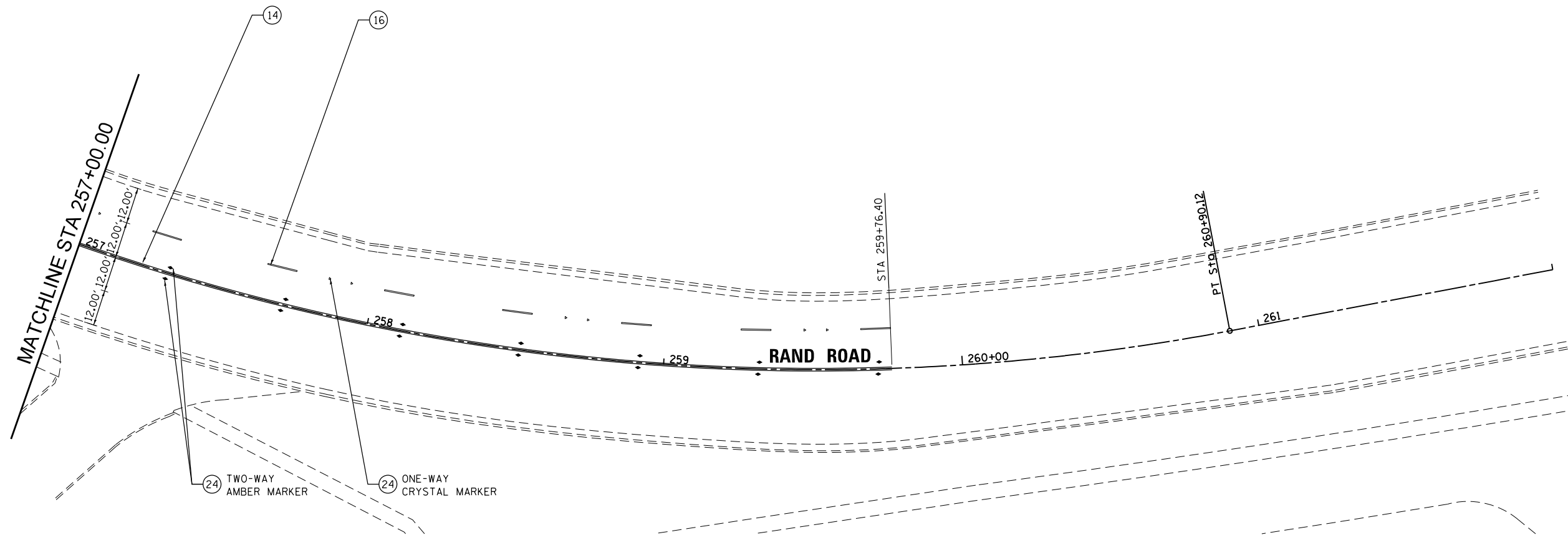
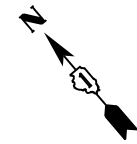
2 REVISED ENTIRE SHEET 6/4/2024





NOTES:

1. SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
2. PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.
3. THERMOPLASTIC PAVEMENT MARKING REPLACEMENT ENDS AT STA. 259+76.40 ON RAND ROAD AND MATCHES EXISTING PAVEMENT MARKINGS AT THIS POINT.



LEGEND

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>① MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</li> <li>② MODIFIED URETHANE PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C</li> <li>③ MODIFIED URETHANE PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C</li> <li>④ PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK), (10' DASH, 30' SKIP) GROOVED</li> <li>⑤ MODIFIED URETHANE PAVEMENT MARKING - 4" WHITE SOLID LINE</li> <li>⑥ MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE SOLID LINE</li> <li>⑦ MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)</li> <li>⑧ MODIFIED URETHANE PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C</li> <li>⑨ MODIFIED URETHANE PAVEMENT MARKING - 12" WHITE CROSSWALK LINE</li> <li>⑩ MODIFIED URETHANE PAVEMENT MARKING - 24" WHITE STOP BAR</li> <li>⑪ PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)</li> </ul> | <ul style="list-style-type: none"> <li>⑫ PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE</li> <li>⑬ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)</li> <li>⑭ THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C</li> <li>⑮ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE</li> <li>⑯ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)</li> <li>⑰ THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE</li> <li>⑱ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE</li> <li>⑲ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)</li> <li>⑳ THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE</li> <li>㉑ THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C</li> <li>㉒ THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE</li> <li>㉓ THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR</li> <li>㉔ RAISED REFLECTIVE PAVEMENT MARKER OR RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT (OUTSIDE OF IMPROVEMENTS LIMITS)</li> </ul> |
|---|--|

② REVISED ENTIRE SHEET 6/4/2024

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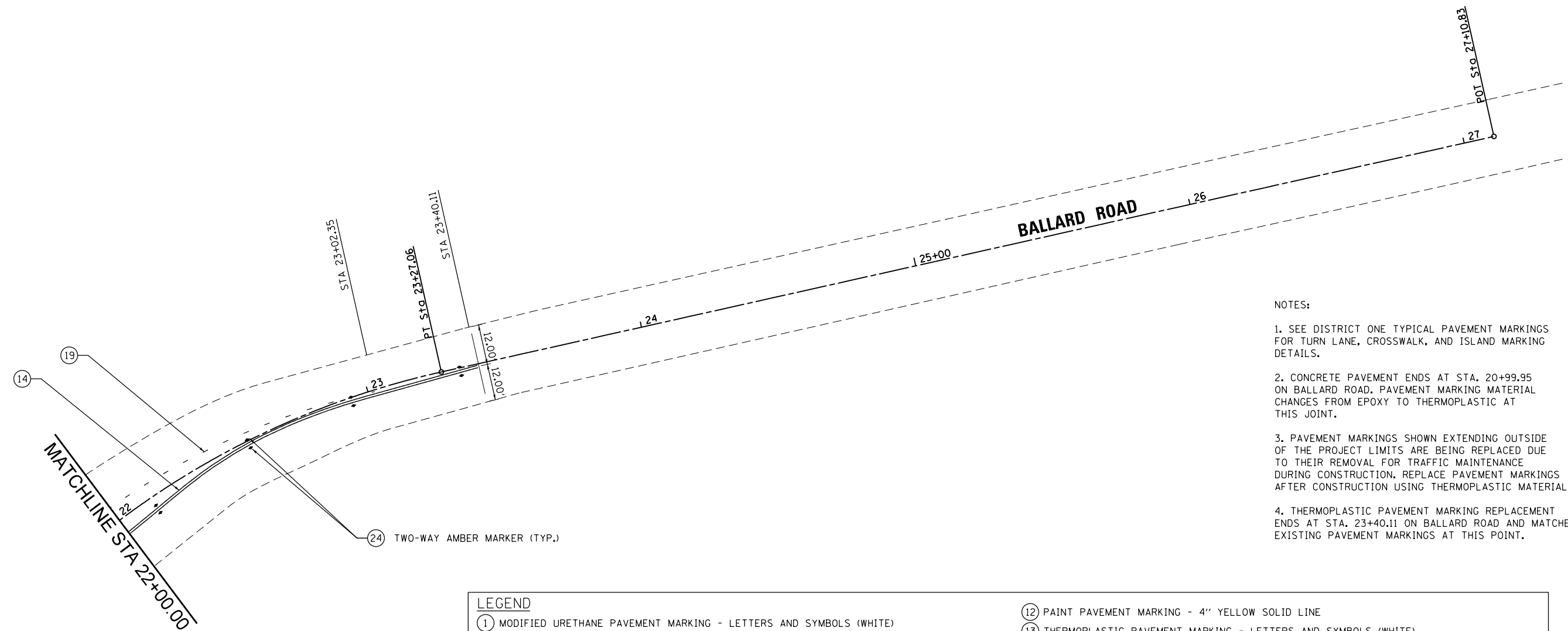
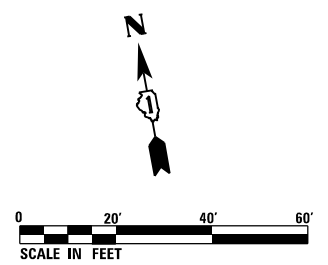
USER NAME = F1n0w1cM	DESIGNED - MCK	REVISED - ② REVISED SHEET
	DRAWN - MCK	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN  
RAND ROAD

SCALE: 1" = 20' SHEET 8 OF 9 SHEETS STA. 257+00.00 TO STA. 262+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3523	120-Y-B	COOK	267	101
CONTRACT NO. 60J10				
ILLINOIS FED. AID PROJECT				



- NOTES:
1. SEE DISTRICT ONE TYPICAL PAVEMENT MARKINGS FOR TURN LANE, CROSSWALK, AND ISLAND MARKING DETAILS.
  2. CONCRETE PAVEMENT ENDS AT STA. 20+99.95 ON BALLARD ROAD. PAVEMENT MARKING MATERIAL CHANGES FROM EPOXY TO THERMOPLASTIC AT THIS JOINT.
  3. PAVEMENT MARKINGS SHOWN EXTENDING OUTSIDE OF THE PROJECT LIMITS ARE BEING REPLACED DUE TO THEIR REMOVAL FOR TRAFFIC MAINTENANCE DURING CONSTRUCTION. REPLACE PAVEMENT MARKINGS AFTER CONSTRUCTION USING THERMOPLASTIC MATERIAL.
  4. THERMOPLASTIC PAVEMENT MARKING REPLACEMENT ENDS AT STA. 23+40.11 ON BALLARD ROAD AND MATCHES EXISTING PAVEMENT MARKINGS AT THIS POINT.

LEGEND	
①	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
②	MODIFIED URETHANE PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
③	MODIFIED URETHANE PAVEMENT MARKING - 4" YELLOW TWO WAY LT TURN (10' DASH, 30' SKIP) @ 5.5" C-C
④	PREFORMED PLASTIC PAVEMENT MARKING, TYPE D - LINE 7" (1.5" BLACK, 4" WHITE, 1.5" BLACK), (10' DASH, 30' SKIP) GROOVED
⑤	MODIFIED URETHANE PAVEMENT MARKING - 4" WHITE SOLID LINE
⑥	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE SOLID LINE
⑦	MODIFIED URETHANE PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑧	MODIFIED URETHANE PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
⑨	MODIFIED URETHANE PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
⑩	MODIFIED URETHANE PAVEMENT MARKING - 24" WHITE STOP BAR
⑪	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS (YELLOW)
⑫	PAINT PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑬	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
⑭	THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
⑮	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SOLID LINE
⑯	THERMOPLASTIC PAVEMENT MARKING - 4" WHITE SKIP DASH LINE (10' DASH, 30' SKIP)
⑰	THERMOPLASTIC PAVEMENT MARKING - 4" YELLOW SOLID LINE
⑱	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE SOLID LINE
⑲	THERMOPLASTIC PAVEMENT MARKING - 6" WHITE DOTTED LINE EXTENSION (2' DASH, 6' SKIP)
⑳	THERMOPLASTIC PAVEMENT MARKING - 8" WHITE SOLID LINE
㉑	THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 45° AND 75° C-C
㉒	THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSSWALK LINE
㉓	THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP BAR
㉔	RAISED REFLECTIVE PAVEMENT MARKER OR RAISED REFLECTIVE PAVEMENT MARKER, REFLECTOR REPLACEMENT (OUTSIDE OF IMPROVEMENTS LIMITS)

2 REVISD ENTIRE SHEET 6/4/2024

FILE NAME = D:\60110-rt-pmk\209.dgn

	USER NAME = F1n0w1cM	DESIGNED - MCK	REVISED - 2 REVISD SHEET	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING PLAN</b> <b>BALLARD ROAD</b>			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 20'	SHEET 9 OF 9 SHEETS	STA. 22+00.00 TO STA. 27+00.00	3523	120-Y-B	COOK	267	102
	PLOT DATE = 6/1/2024	DATE - 01/10/2024	REVISED -					<b>CONTRACT NO. 60J10</b> ILLINOIS FED. AID PROJECT				