STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

2020-048-RS&SW СООК ILLINOIS CONTRACT NO 62120

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE CITY OF CHICAGO

TRAFFIC DATA:

0

0

0

0

SPEED LIMIT = 30 MPH

3,350 ADT (2018)

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

CHICAGO UTILITY ALERT NETWORK: (312)-744-7000

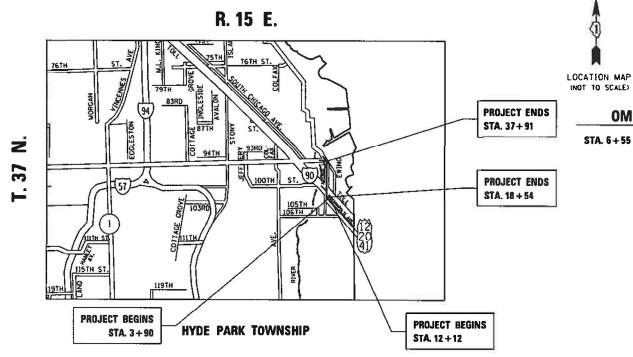
PROJECT ENGINEER: DANIEL WILGREEN (847) 705-4240 PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62L20

PROPOSED HIGHWAY PLANS

ROUTE: F.A.P. 29 (AVENUE L) US 12/20 (95TH STREET) TO INDIANAPOLIS AVE. **SECTION: 2020-048-RS&SW** STANDARD OVERLAY AND ADA IMPROVEMENTS **COOK COUNTY**

C-91-238-20



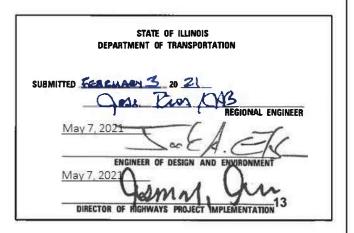
GROSS LENGTH = 4,485 FT = 0.85 MILES NET LENGTH = 3.833 FT = 0.73 MILES

LOCATION OF SECTION INDICATED THUS: -

D-91-431-20

OMISSIONS:

STA. 6+55 TO STA. 13+07



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REV-SEP

INDEX OF SHEETS

TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS

TC-14: TRAFFIC CONTROL AND PROTECTION AT TURN BAYS

TC-24: CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS

TC-16: SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

INTERSECTIONS AND DRIVEWAYS

(TO REMAIN OPEN TO TRAFFIC)

TC-22: ARTERIAL ROAD INFORMATION SIGN

19

20

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701101-05

701301-04

701311-03

701427-05

701501-06

22-24

STATE STANDARDS (CONT.)

URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE

URBAN LANE CLOSURE, MULTILANE INTERSECTION

SIDEWALK, CORNER OR CROSSWALK CLOSURE

TRAFFIC CONTROL DEVICES

URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE

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1	COVER SHEET	701502-09
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	701602-10
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10-11	ADA RAMP DETAILS	
12	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	
13	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	
14	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
15	BD-32: BUTT JOINT AND HMA TAPER DETAILS	
16	BD-47: CITY OF CHICAGO CATCH BASIN, INLET AND MANHOLE DETAILS	
17	BD-58: CITY OF CHICAGO DETECTABLE WARNINGS	

STANDARD NO.	DESCRIPTION
000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-11	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-05	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-04	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-05	MID-BLOCK CURB RAMPS FOR SIDEWALKS
424021-06	DEPRESSED CORNER FOR SIDEWALKS
424026 - 03	ENTRANCE / ALLEY PEDESTRIAN CROSSINGS
424031-02	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, SHORT TIME OPERATIONS

LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS <= 40 MPH

OFF-RD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE

LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

LANE CLOSURE, 2L. 2W. MOVING OPERATIONS - DAY ONLY

GENERAL	NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E."AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. 48 HOUR NOTIFICATION IS REQUIRED.
- 2. TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTER AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- 3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. AND THE CITY OF CHICAGO.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5. SIDEWALK RAMPS MODIFICATIONS WITHIN THE LIMITS OF THE PROJECT SHALL CONFORM TO THE APPLICABLE HIGHWAY STANDARDS INCLUDED IN THE PLANS.
- 6. ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- 7. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
- 8. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- 9. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 10. LOCATION OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT [OR COMBINATION CURB AND GUTTER (THE TYPE SPECIFIED ON THE PLANS)], WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 11. DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 12. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 13. FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- 14. SIDEWALK REMOVAL AND P.C.C. SIDEWALK 5"LOCATIONS SHALL BE DETERMINED BY THE ENGINEER.
- 15. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT KALPANA.KANNAN-HOSADURGA@ILLINOIS.GOV A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 16. THE RESIDENT ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN AT PATRICE.HARRIS@ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

GENERAL NOTES (CONT.)

- 17. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- 18. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF PLATED STRUCTURES BY STATION AND OFFSET LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT.
- 19. THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.
- 20. EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.
- 21. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- 22. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- 23. WHEN THE MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 mm) WHERE THE SPEED LIMIT IS 40 MPH (80 km/h) OR LESS AND 1 INCH (25 mm) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 km/h). WITH WRITTEN APPROVAL OF THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 mm) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.
- 24. OVERNIGHT LANE CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURES AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS.

CITY OF CHICAGO NOTES

- 1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "C.U.A.N." (CHICAGO UTILITY ALERT NETWORK) AT (312)744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- 2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF CHICAGO.
- 3. ALL CATCH BASINS IN THE CITY OF CHICAGO MUST MEET THE DEPARTMENT OF SEWERS' STANDARDS.
- 4. PERFORATED LIDS SHALL BE PLACED ON ALL MANHOLES AND CATCH
- 5. BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE IMPROVEMENT CAN BE OBTAINED IN SUITE 410 333 SOUTH STATE STREET, CHICAGO, IL 60604. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPLACEMENT OF ANY BENCH MONUMENT IF DAMAGED OR DESTROYED DURING CONSTRUCTION.
- 6. ALL BROKEN, CRACKED, WORN OR OTHERWISE DAMAGED OR BICYCLE UNSAFE FRAMES AND LIDS ON SEWER STRUCTURES, SHALL BE REPLACED WITH NEW DEPARTMENT OF SEWERS' STANDARD FRAMES AND LIDS.
- 7. OPEN LID DRAINAGE STRUCTURES SHALL NOT BE CLOSED, COVERED OR OTHERWISE OBSTRUCTED DURING CONSTRUCTION OF THIS ROADWAY WITHOUT THE WRITTEN PERMISSION FROM THE CITY OF CHICAGO.
- 8. CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY OF CHICAGO AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.
- 9. PERMITS FROM THE DEPARTMENT OF SEWERS ARE REQUIRED FOR ALL UNDERGROUND STORM, SANITARY OR COMBINED SEWER SYSTEM CONSTRUCTION, AND FOR RESURFACING WORK INVOLVING ADJUSTMENT OF SEWER STRUCTURES. THE DEPARTMENT OF SEWERS' PERMIT MUST BE OBTAINED BY A LICENSED SEWER DRAIN LAYER PRIOR TO START OF CONSTRUCTION
- 10. THE CONTRACTOR SHALL TAKE EXTRA CARE AND PRECAUTION WHEN REPAIRING THE CONCRETE CURB AND GUTTER AT LOCATIONS WHERE EXISTING TREES ARE PRESENT.
- 11. CURB RAMPS AND LANDING (KEYSTONE) TO BE CONSTRUCTED WITH 8" THICK CONCRETE AT ALL TRAFFIC SIGNALIZED INTERSECTIONS AND INDUSTRIAL STREET INTERSECTIONS. AT ALL OTHER LOCAITONS, 5" THICK CONCRETE TO BE USED.

USER NAME = Bilgramisa	DESIGNED -	REVISED -
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PLOT DATE = 3/5/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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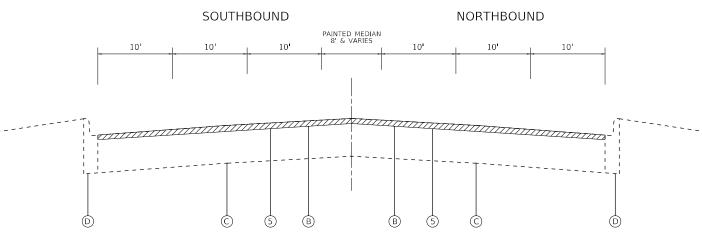
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ı	29	2020-048	RS&SW	COOK	24	2		
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	SUMMARY OF QUANTITIES				CO	NSTRUCTIO	ON TYPE C	ODE			SUMMA	RY OF QUANTITIES				C	NSTRUCTION IN TRUCTION	ON TYPE (ODE	
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20200100	EARTH EXCAVATION	CU YD	5	5																
										44000155	HOT-MIX ASPH	HALT SURFACE REMOVAL, 1	SO YD	2583	2583					
21101600	TOPSOIL FURNISH AND PLACE, VARIABLE	SO YD	10	10							1/2"									
	DEPTH					1														
						•				44000157	HOT-MIX ASPH	HALT SURFACE REMOVAL, 2"	SO YD	7403	7403					
25200110	SODDING, SALT TOLERANT	SO YD	10	10																
						ı	1			44000158	HOT-MIX ASPH	HALT SURFACE REMOVAL, 2	SO YD	13091	13091					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	13331	13331							1/4"									<u> </u>
40500400	MIXTURE FOR CRACKS, JOINTS, AND	TON	35	35						44000600	SIDEWALK REM	MOVAL	SO FT	942	942					<u> </u>
40600400	FLANGEWAYS	TON	35							44000600	SIDEWALK REN	NOVAL	30 F1	342	342					+
	FLANGENATS									44002209	HOT-MIX ASPH	HALT REMOVAL OVER PATCHES, 2	SO YD	760	760					1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT	SO YD	361	361							1/4"									1
	JOINT																			
										44201741	CLASS D PATO	CHES. TYPE II. 8 INCH	SO YD	510	510					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER	TON	96	96																
	PATCHES									44201745	CLASS D PATO	CHES, TYPE III, 8 INCH	SO YD	150	150					
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE,	TON	541	541						44201747	CLASS D PATO	CHES, TYPE IV, 8 INCH	SO YD	100	100					
	IL-4.75, N50																			
										60250200	CATCH BASINS	S TO BE ADJUSTED	EACH	4	4					
40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5,	TON	2146	2146																
	MIX "D", N70									60252800	CATCH BASINS	S TO BE RECONSTRUCTED	EACH	1	1					
					1	<u> </u>		Ī												<u> </u>
42001300	PROTECTIVE COAT	SO YD	1334	1334						60265700	VALVE VAULTS	S TO BE ADJUSTED	EACH	9	9					
											_									1
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5	SO FT	641	641						60266600	VALVE BOXES	TO BE ADJUSTED	EACH	8	8					1
	INCH									60300105	FRAMES AND O	GRATES TO BE ADJUSTED	EACH	5	5					1
42400410	PORTLAND CEMENT CONCRETE SIDEWALK 8	SO FT	301	301						20300103	THE CONTRACT OF	25 .0 52 05000125								DEV CE
	INCH									60300305	FRAMES AND L	.IDS TO BE ADJUSTED	EACH	4	4			* =	SPECIALTY	REV-SEI
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ł	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	3	3					70102640	TRAFFIC CONTROL AND PROTECT	ION,	L SUM	1	1				
-	30.0000		2.75								STANDARD 701801								
-	60406100	FRAMES AND LIDS. TYPE 1. CLOSED LID	FACU												_				
-	60406100	FRAMES AND LIDS, TIPE I, CLUSED LID	EACH	6	6					70300100	SHORT TERM DAVEMENT MARK INC		FOOT	6107	6107				
-										70300100	SHORT TERM PAVEMENT MARKING		1001	6103	6103				
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	5	5														
										70300150	SHORT TERM PAVEMENT MARKING	REMOVAL	SO FT	2035	2035				
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2														
										70300210	TEMPORARY PAVEMENT MARKING	LETTERS AND	SO FT	372	372				
*	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION	LSUM	1	1						SYMBOLS								
Ī		PLAN																	
										70300220	TEMPORARY PAVEMENT MARKING	- LINE 4"	F00T	15135	15135				
*	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION	LSUM	1	1														
ŀ		REPORT								70300240	TEMPORARY PAVEMENT MARKING	- LINE 6"	FOOT	457	457				
 	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2	2					70300250	TEMPORARY PAVEMENT MARKING	- LINE 8"	FOOT	37	37				
														<u> </u>					
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					70300260	TEMPORARY PAVEMENT MARKING	- LINE 12"	FOOT	170	170				
	0.000.00	ENOTICE STILLS OF ICE	CAE MIO											1					
ļ	67100100	NORTH TATTON			•					70300280	TEMPORARY PAVEMENT MARKING	- I INF 24"	FOOT	2853	2853				
	67100100	MOBILIZATION	L SUM	1	1					10300280	TEMPORARI PAVEMENT MARKING	- LINE 27	1001	2033	2033				
	70102620	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1					70300520	PAVEMENT MARKING TAPE, TYPE	111 4"	FOOT	1526	1526				
		STANDARD 701501																	
										* 78000100	THERMOPLASTIC PAVEMENT MARK	ING -	SO FT	372	372				
	70102622	TRAFFIC CONTROL AND PROTECTION.	L SUM	1	1						LETTERS AND SYMBOLS								
		STANDARD 701502																	
										* 78000200	THERMOPLASTIC PAVEMENT MARK	ING - LINE	FOOT	15135	15135				
ĵ	70102632	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						4"								
j		STANDARD 701602																	
į										* 78000400	THERMOPLASTIC PAVEMENT MARK	ING - LINE	FOOT	457	457				
İ	70102635	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1						6"								REV-SEI
ļ		STANDARD 701701																* = S	PECIALTY ITEMS
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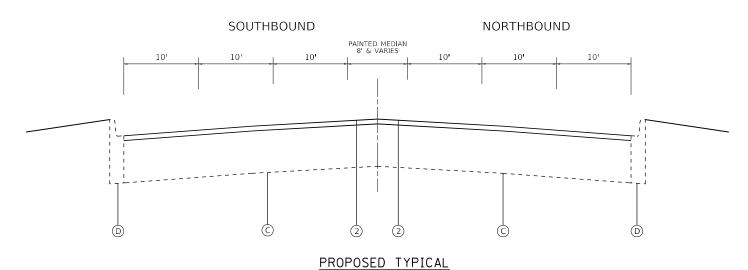
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* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	37	37						Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	4421	4421					
	8"																		
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	170	170															
	12"																		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE	FOOT	2853	2853															
	24"																		
x0320050	CONSTRUCTION LAYOUT (SPECIAL)	L SUM	1	1															
				<u> </u>									1						
X4240800	DETECTABLE WARNINGS (SPECIAL)	SO FT	276	276															
x4400501	COMBINATION CURB AND GUTTER REMOVAL AND	FOOT	1277	1277															
	REPLACEMENT LESS THAN OR EQUAL TO 10 FEET																		
x5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	240		240														
wc070710	EDUJES AND LIVES TO DE LA WISTER	5400																	
x6030310	FRAMES AND LIDS TO BE ADJUSTED	EACH	53	53															
	(SPECIAL)																		
x7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	11546	11546									<u> </u>						
Z0004562	COMBINATION CONCRETE CURB AND GUTTER	FOOT	1277	1277															
	REMOVAL AND REPLACEMENT																		
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	48		48								1						
Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	3	3									1						
																		RE	V-SE
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	51	51													= SPE	CIALTY	
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INDIANAPOLIS AVE. (L



EXISTING TYPICAL
STA. 12+12 TO STA. 18+54

INDIANAPOLIS AVE.



STA. 12+12 TO 18+54

<u>LEGEND - EXISTING:</u>

- A HOT-MIX ASPHALT PAVEMENT, 7.25" +/-
- B HOT-MIX ASPHALT PAVEMENT, 2.25" +/-
- © PORTLAND-CEMENT CONCRETE PAVEMENT, 11.5" +/-
- D COMBINATION CONCRETE CURB & GUTTER, B-6.12

<u>LEGEND - PROPOSED</u>

- 1 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1.5"
- 2 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2.0"
- 3 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL -4.75, N50; 0.75"
- 4 HOT-MIX ASPHALT SURFACE REMOVAL, 2.25"
- 5 HOT-MIX ASPHALT SURFACE REMOVAL, 2.0"
- 6 HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"

NOTES:

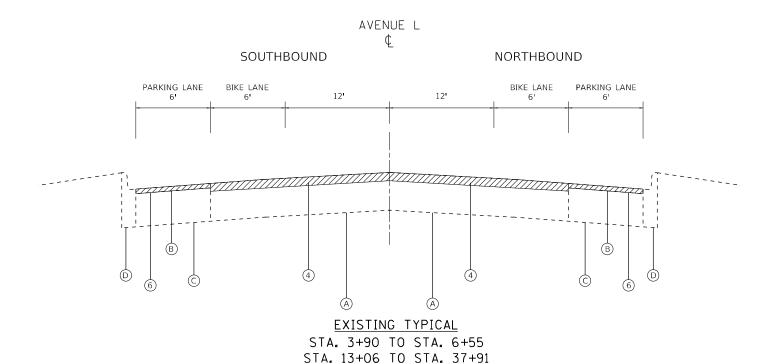
- 1.) THE CONTRACTOR SHALL DO PATCHES BEFORE MILLING.
- 2.) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER
- POLY HMA BINDER COURSE, IL-4.75, N50 ON AVENUE L AND OVER THE MILLED SURFACE ON INDIANAPOLIS AVENUE.

HOT-MIX ASPHALT MIXTURE REQUIR	REMENTS	QUALITY MANAGEMENT
MIXTURE TYPE	AIR VOIDS @ Ndes	PROGRAM (QMP)
STANDARD OVERLAY – AVENUE L		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1 $\frac{1}{2}$ "	4.0% AT 70 GYR	QCP
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50; $\frac{3}{4}$ "	3.5% AT 50 GYR	QC/QA
PARKING LANES – AVENUE L		
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1 $\frac{1}{2}$ "	4.0% AT 70 GYR	QCP
HMA PAVEMENT AND SHOULDER SMART OVERLAY - INDIANA	APOLIS AVE.	
HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2.0"	4.0% AT 70 GYR	QCP
PATCHING	·	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4.0% AT 70 GYR	QC/QA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4.0% AT 70 GYR	QC/QA
OMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA): QUALITY CONTROL	FOR PERFORMANCE (OCP): PAY FOR PE	ERFORMANCE (PFP)

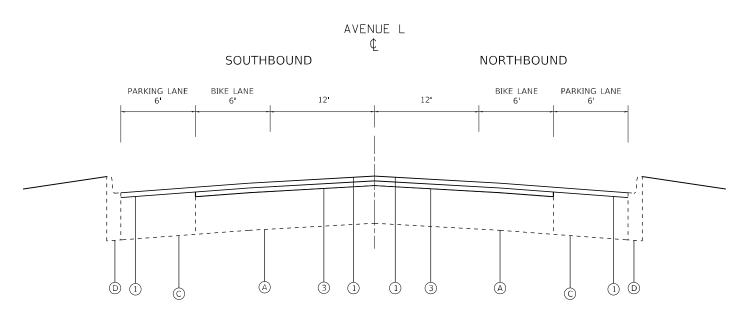
- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY SPECIAL PROVISIONS.

 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- NOTE 3: QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

USER NAME = Bilgramisa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/5/2021	DATE -	REVISED -



NOTE: NO PARKING LANE FROM STA. 5+54 TO STA. 6+55



PROPOSED TYPICAL
STA. 3+90 TO STA. 6+55
STA. 13+06 TO STA. 37+91

NOTE: NO PARKING LANE FROM STA. 5+54 TO STA. 6+55

USER NAME = Bilgramisa	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/5/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

			TYP	ICAL SECT	TIONS	
	AVENUE	L – US	12 /20	(95TH ST	.) TO	INDIANAPOLIS AVE.
SCALE:		SHEET	OF	SHEETS	STA.	TO STA.

| F.A.P. | SECTION | COUNTY | TOTAL SHEETS | NO. |
| 29 | 2020-048-RS&SW | COOK | 24 | 7 |
| CONTRACT NO. 62L20 |
| ILLINOIS | FED. AID PROJECT |

LEGEND - EXISTING:

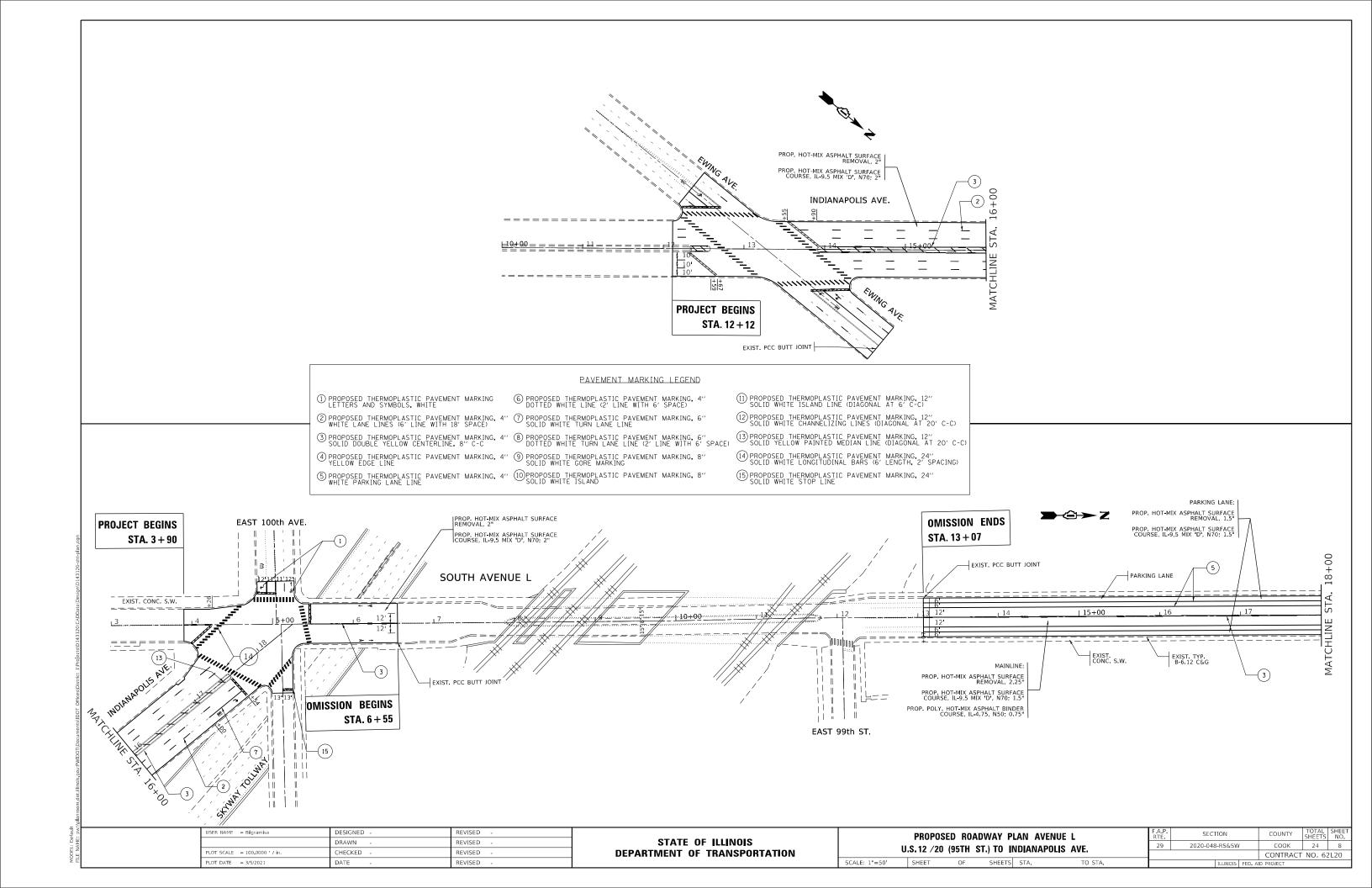
- A HOT-MIX ASPHALT PAVEMENT, 7.25" +/-
- B HOT-MIX ASPHALT PAVEMENT, 2.25" +/-
- © PORTLAND-CEMENT CONCRETE PAVEMENT, 11.5" +/-
- D COMBINATION CONCRETE CURB & GUTTER, B-6.12

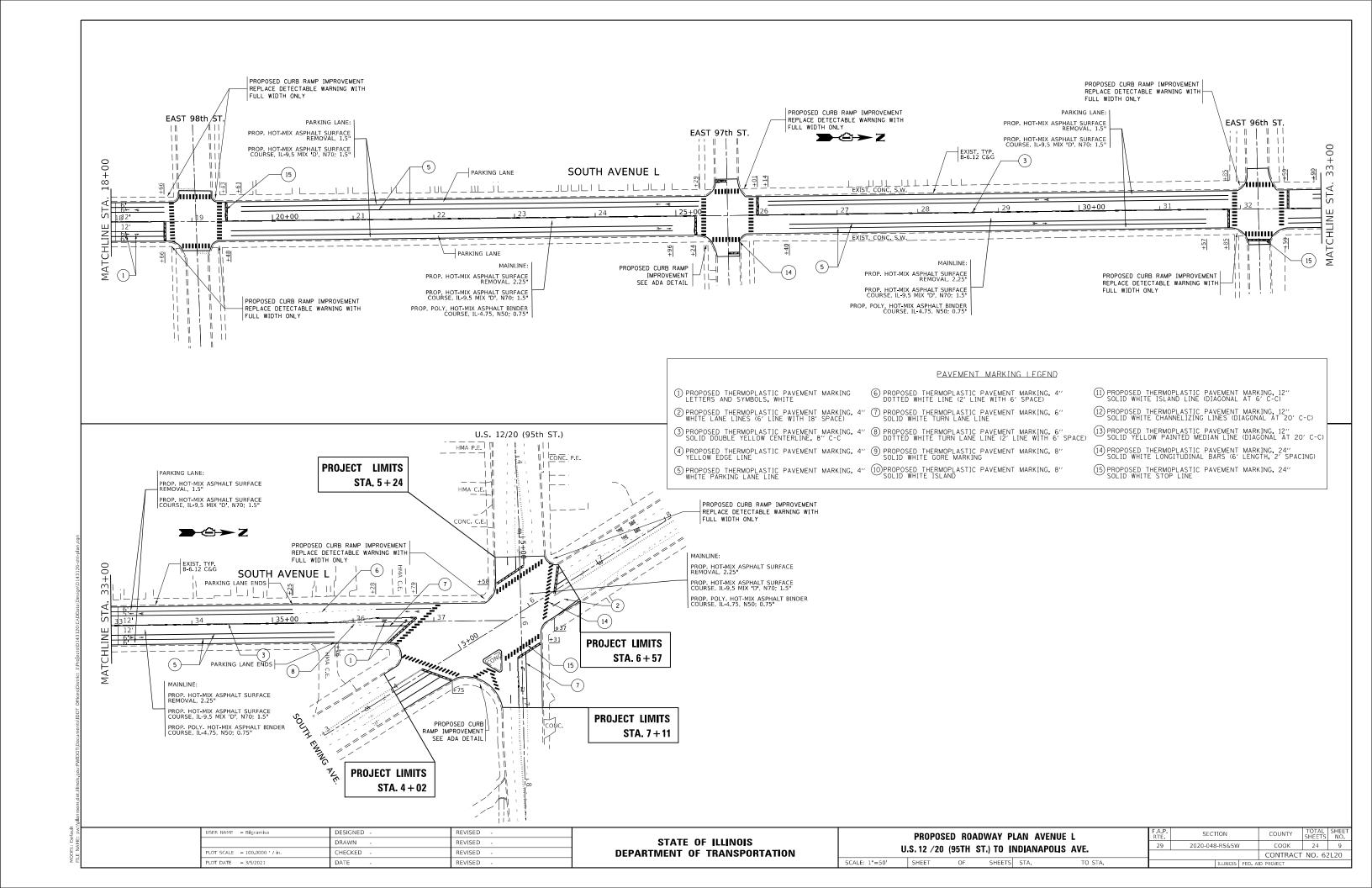
<u>LEGEND - PROPOSED</u>

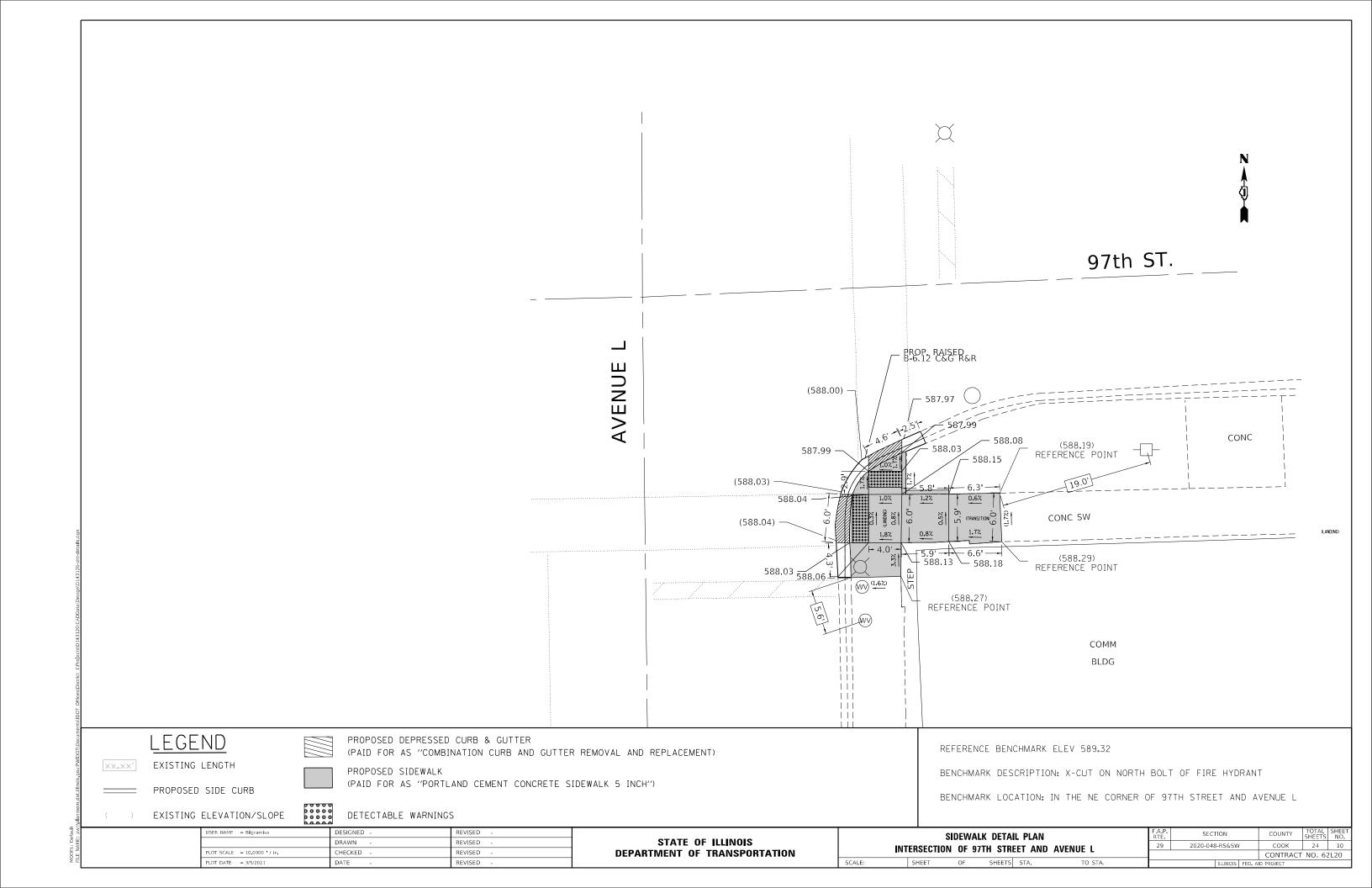
- 1 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 1.5"
- (2) HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70; 2.0"
- 3 POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL -4.75, N50; 0.75"
- 4 HOT-MIX ASPHALT SURFACE REMOVAL, 2.25"
- 5 HOT-MIX ASPHALT SURFACE REMOVAL, 2.0"
- 6 HOT-MIX ASPHALT SURFACE REMOVAL, 1.5"

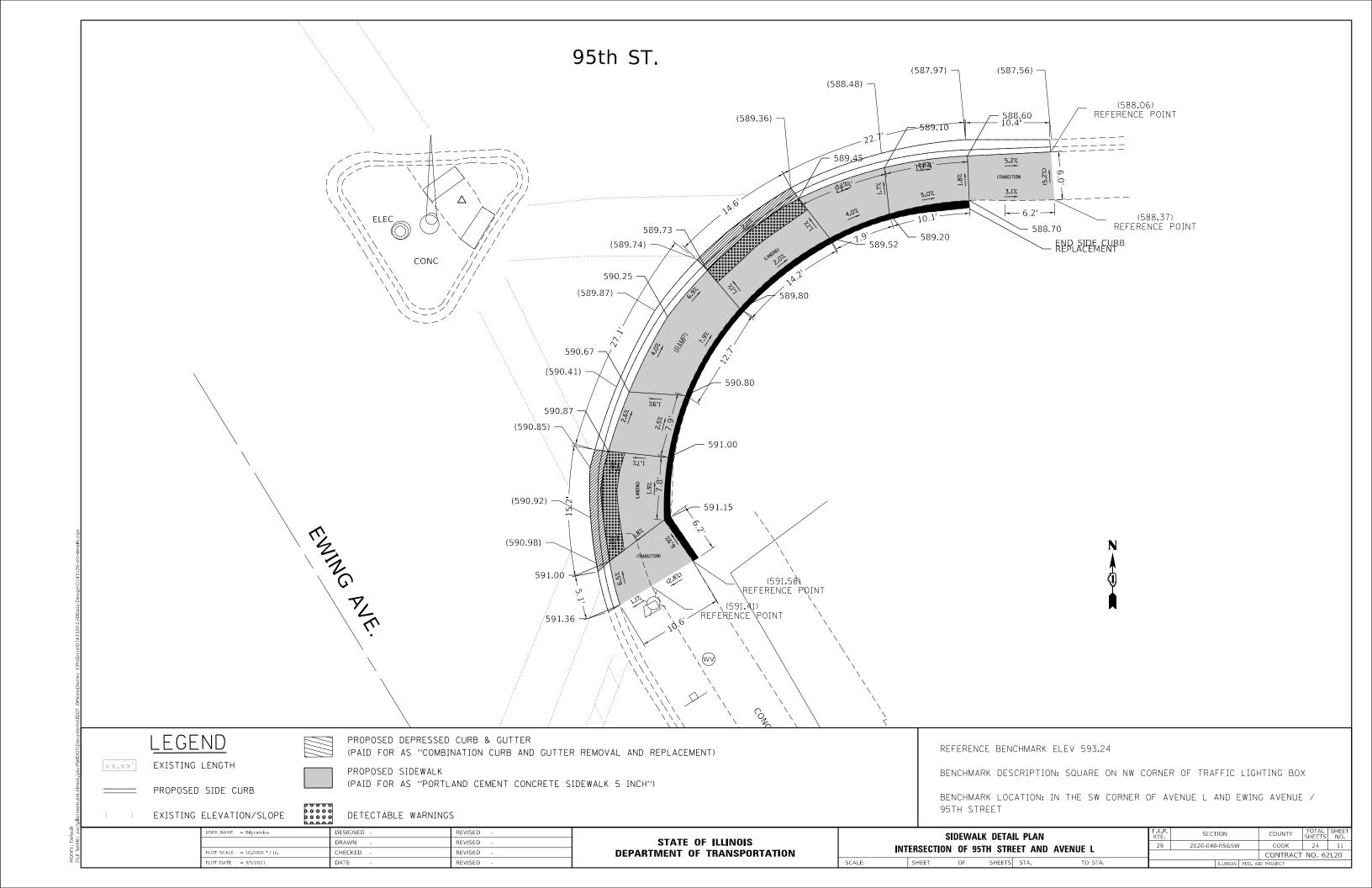
NOTES:

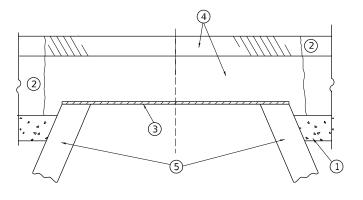
- 1.) THE CONTRACTOR SHALL DO PATCHES BEFORE MILLING.
- 2.) THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED OVER HMA BINDER COURSE, IL-9.5, N70 ON AVENUE L AND OVER THE MILLED SURFACE ON INDIANAPOLIS AVENUE.

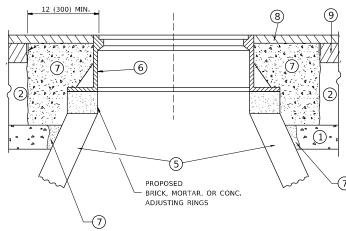












NOTES

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40)
 THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1 *
 CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING
 BASE COURSE OR THE BINDER COURSE.
- $oldsymbol{*}$ UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES

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

BASIS OF PAYMENT

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

 USER NAME
 = Bilgramisa
 DESIGNED
 R. SHAH
 REVISED
 R. WEDEMAN 05-14-04

 DRAWN
 REVISED
 R. BORO 01-01-07

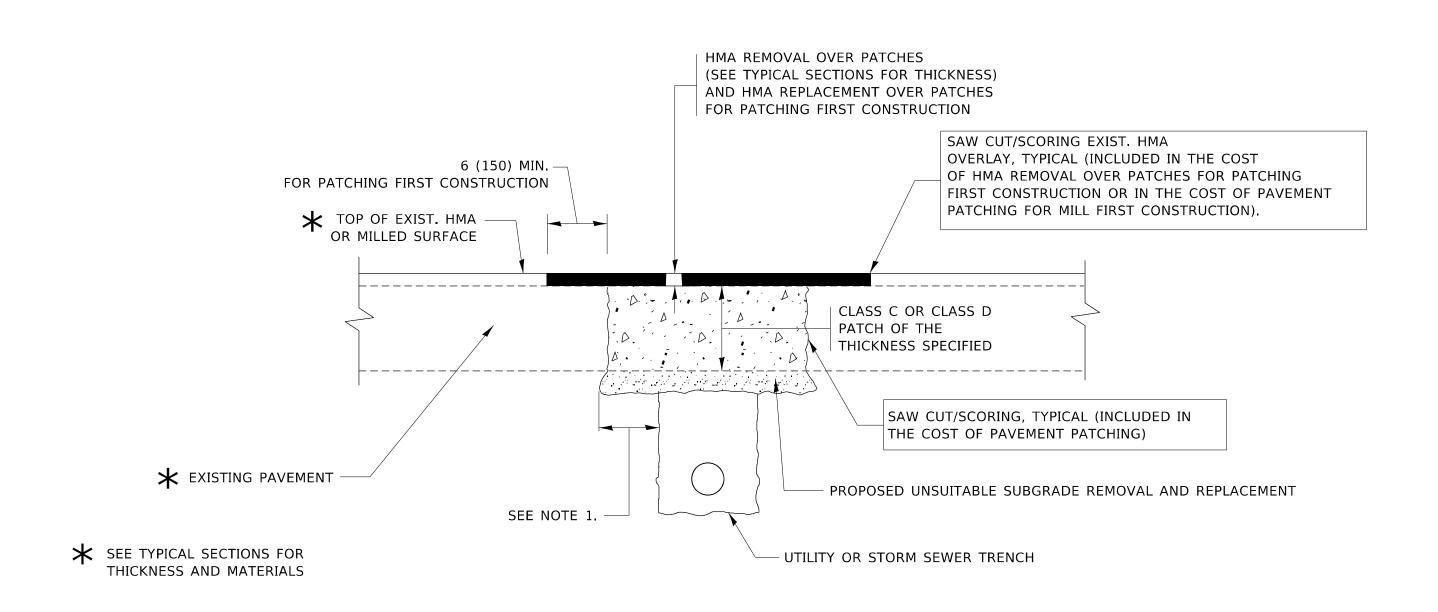
 PLOT SCALE
 = 100.0000 ' / in.
 CHECKED
 REVISED
 R. BORO 03-09-11

 PLOT DATE
 = 3/5/2021
 DATE
 10-25-94
 REVISED
 R. BORO 12-06-11

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FRAMES AND LIDS ADJUSTMENT WITH MILLING

SHEET 1 OF 1 SHEETS STA. TO STA.



NOTES:

- 1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
- 2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

- 1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
- 2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
- 3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

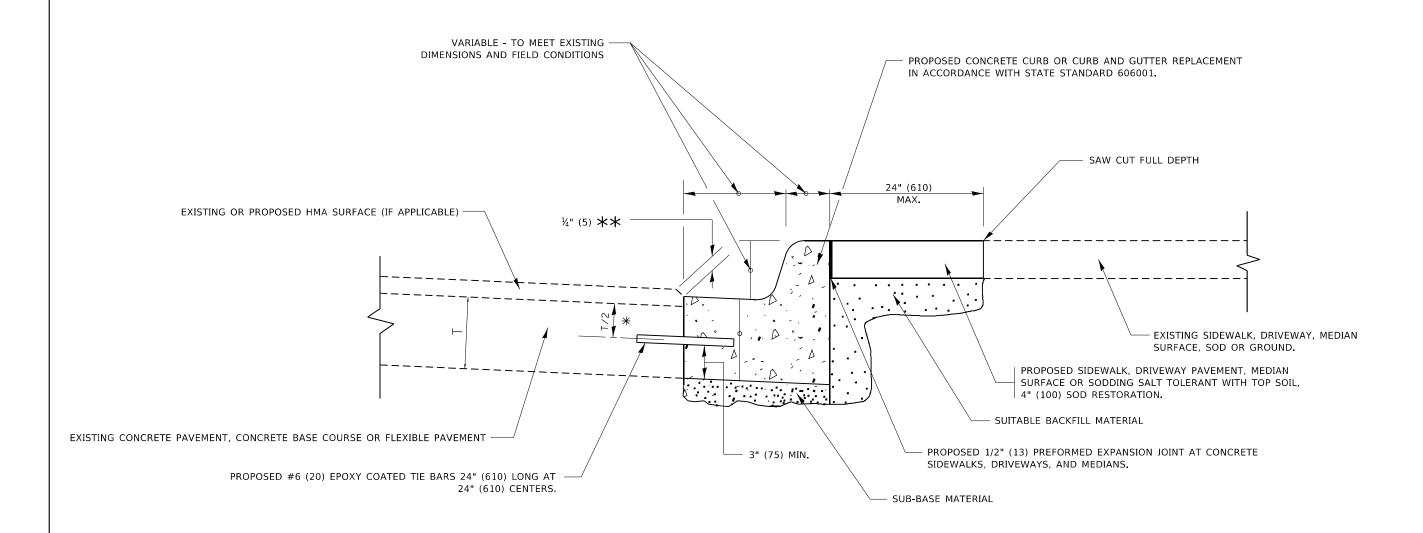
- 1. MILL HMA FIRST IF THERE IS AT LEAST $4\frac{1}{2}$ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
- 2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

USER NAME = DIIGIAITISA	DESIGNED - R. SHAR	REVISED - A. ADDAS 04-27-90	
	DRAWN -	REVISED - R. BORO 01-01-07	STATE OF ILLINOIS
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED - R. BORO 09-04-07	DEPARTMENT OF TRANSPORTATION
PLOT DATE = 3/5/2021	DATE - 10-25-94	REVISED - K. ENG 10-27-08	

OTHERWISE SHOWIN					
PAVEMENT PATCHING FOR	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SH N
HMA SURFACED PAVEMENT	29	2020-048-RS&SW	COOK	24	
IIMA SOIII ACED I AVEIMENT		RD400_04 (RD_22)	CONTRACT	F NO 6	21.2

SHEET 1 OF 1 SHEETS STA.



- imes 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- $\star\star$ IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

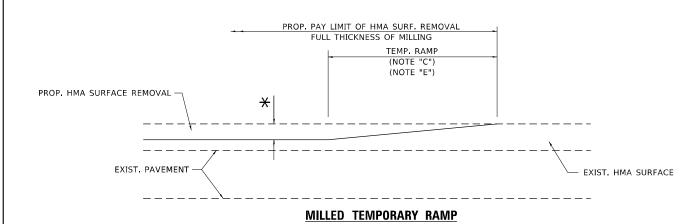
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = Bilgramisa	DESIGNED	-	A. HOUSEH	REVISED	-	A. ABBAS 03-21-97
	DRAWN	-		REVISED	-	M. GOMEZ 01-22-01
PLOT SCALE = 100.0000 / in.	CHECKED	-		REVISED	-	R. BORO 12-15-09
PLOT DATE = 3/5/2021	DATE	-	03-11-94	REVISED	-	K. SMITH 07-11-19

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

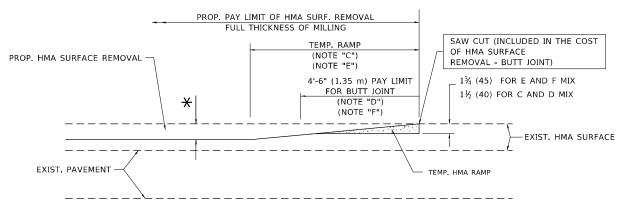
SCALE: NONE

CURI	B OF	} (URB AN	D GUTTI	ER	F.A.P. RTE	SECT	ΠΟN		COUNTY	TOTAL SHEETS	SHEET NO.
REMOVAL AND REPLACEMENT				29	29 2020-048-RS&SW			COOK	24	14		
IILIVI	KEWUVAL AND KEPLAGEWENT						BD600-06 (B	D-24)		CONTRACT	NO. 62	2L20
1	OF	1	SHEETS	STA.	TO STA.		,	ILLINOIS	FED. AI	D PROJECT		



(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

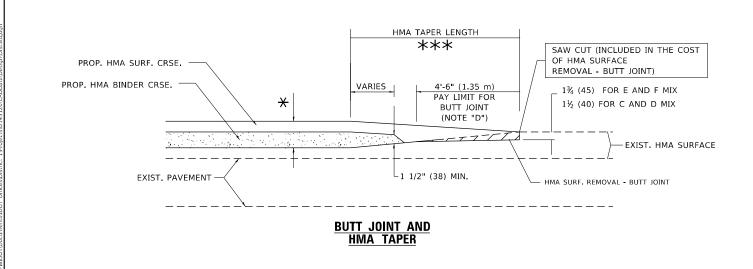


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



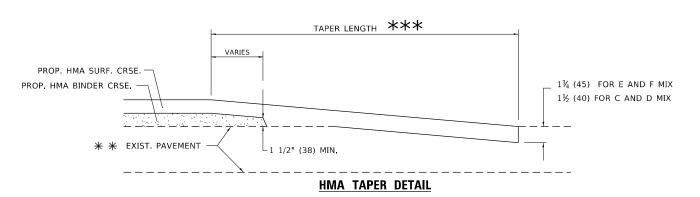
TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

JSER NAME = Bilgramisa M. DE YONG DESIGNED DRAWN REVISED -A. ABBAS 03-21-97 HECKED M. GOMEZ 04-06-01 LOT DATE = 3/5/2021 R.BORO 01-01-07 DATE REVISED -

DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND 2020-048-RS&SW HMA TAPER DETAILS OF 1 SHEETS STA.

PROP. HMA OR PCC SURFACE REMOVAL - BUTT JOINT SAW CUT (INCLUDED IN THE COST 30'-0" (9.0 m) (NOTE "A") EXIST, HMA OR PCC SURFACE -OF HMA OR P.C.C. SURFACE REMOVAL 15'-0" (4.5 m) (NOTE "B") - BUTT JOINT) (NOTE "D") 1¾ (45) FOR E AND F MIX 1½ (40) FOR C AND D MIX * * EXIST. PAVEMENT **BUTT JOINT DETAIL**



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A. MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B. MINOR SIDE ROADS.
- C. THE TEMP, RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE,
- D. THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E. TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

SHEET 1

- F. INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP, RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT. * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- G. SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A") 10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT

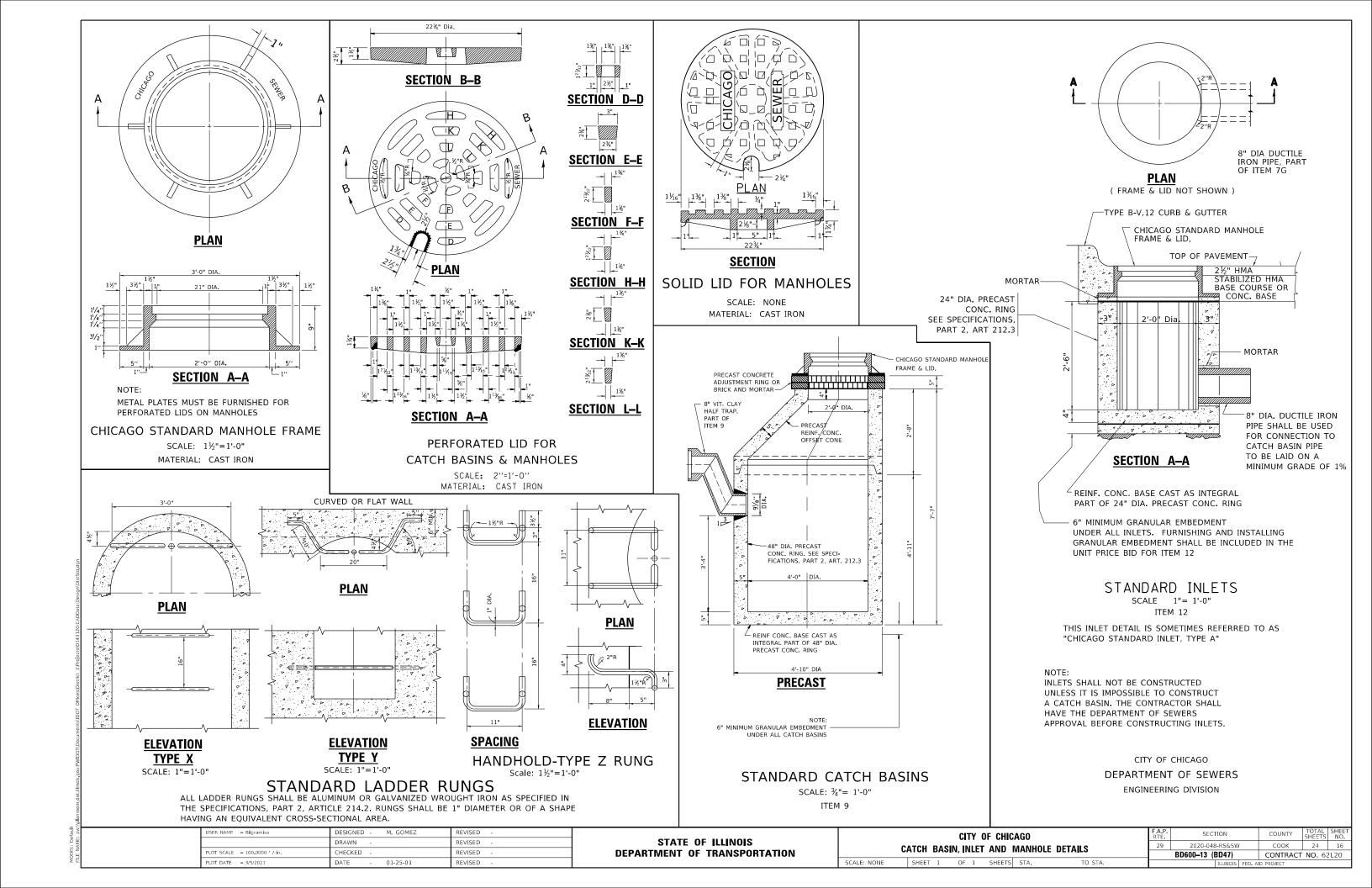
THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT" JOINT".

SCALE: NONE

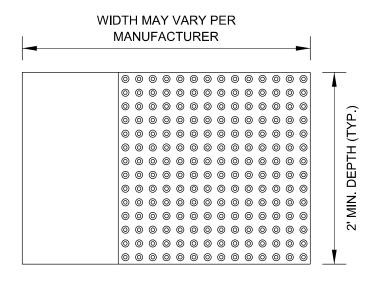
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

STATE OF ILLINOIS

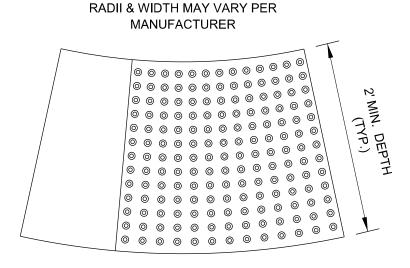
COOK 24 15 BD400-05 BD32 CONTRACT NO. 62L20 TO STA.



STRAIGHT DETECTABLE WARNING UNITS



RADIAL DETECTABLE WARNING UNITS

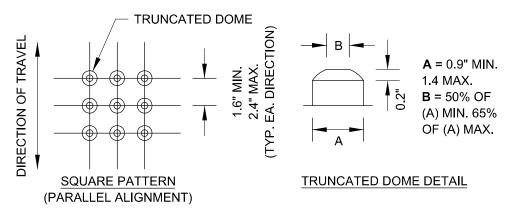


DETECTABLE WARNING UNIT SIZES

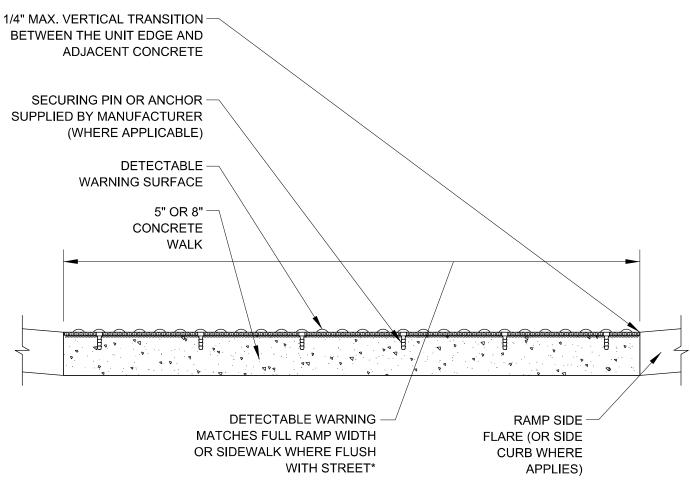
- VERIFY ALL DIMENSIONS WITH THE PRODUCT MANUFACTURER.
- IF USING RADIAL UNITS, VERIFY THAT THE CURB RADIUS MATCHES AVAILABLE UNIT RADII WITH THE PRODUCT MANUFACTURER.

GENERAL NOTE:

THE ROWS OF DOMES IN THE DETECTABLE WARNING MATERIAL MUST BE ALIGNED WITH THE PATH OF WHEELCHAIR TRAVEL WHICH IS REQUIRED TO BE PERPENDICULAR TO THE GRADE BREAK AT THE BOTTOM OF THE RAMP TO PERMIT TRACKING BETWEEN DOME ROWS. ON BLENDED TRANSITIONS OR FLUSH TRANSITIONS, WHERE RADIAL UNITS ARE SITUATED ABOUT THE CURB RADIUS, DOME ORIENTATION IS NOT SIGNIFICANT.



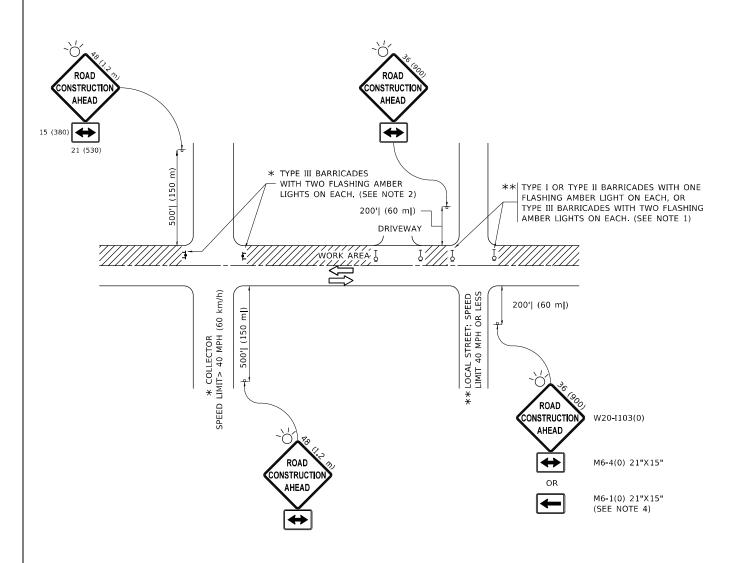
UNIT PATTERN & DOME DETAIL



*A BORDER OF 2 INCHES OR LESS AROUND THE DETECTABLE WARNING SURFACE IS
ACCEPTABLE IF REQUIRED FOR PROPER INSTALLATION OF THE DETECTABLE WARNING SURFACE PRODUCT

DETECTABLE WARNING UNIT SECTION

USER NAME = Bilgramisa	DESIGNED -	REVISED -		CITY OF CHICAGO	F.A.P.	SECTION	COUNTY	TOTAL SHEET	1
	DRAWN -	REVISED -	STATE OF ILLINOIS		29	2020-048-RS&SW	COOK	24 17	1
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	DEPARTMENT OF TRANSPORTATION	DETECTABLE WARNINGS		BD 58	CONTRACT	NO. 62L20	1
PLOT DATE = 3/5/2021	DATE - 06-20-2017	REVISED -		SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED.	AID PROJECT		1



NOTES:

- 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
- b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
- a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE,
- THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY
 b) BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION
 OF THE CLOSED PORTION.
- 3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT
- WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE
 4. SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL
 BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

- 5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
- 6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER
- THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

All dimensions are in inches (millimeters) unless otherwise shown.

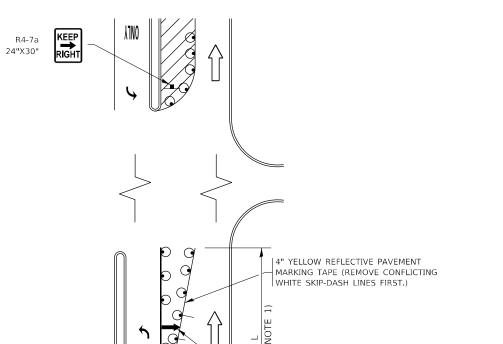
USER NAME = Bilgramisa	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
	DRAWN -	REVISED - T. RAMMACHER 01-06-00
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
PLOT DATE = 3/5/2021	DATE - 06-89	REVISED _ A. SCHUETZE 09-15-16

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

| SHEET | 1 | OF | 1 | SHEETS | STA. TO STA.

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER



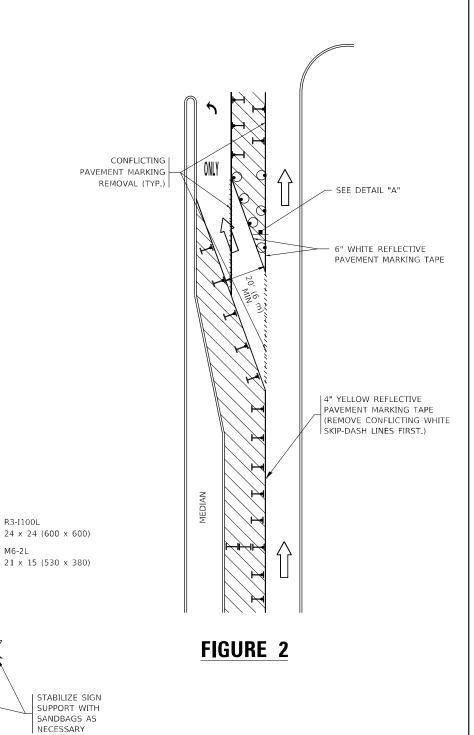
- ARROW BOARD

LEGEND WORK AREA LANE OPEN TO TRAFFIC ARROW BOARD TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT DRUM WITH STEADY BURN LIGHT SIGN ASSEMBLY TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

- 1. A) WHEN "L" IS ≤ THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
 - B) WHEN "L" IS > THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
- 2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
- 3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
- 4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
- 5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-I100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
- 6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
- 7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREOUIREMENTS.
- 8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

TURN BAY ENTRANCE WITHIN A LANE CLOSURE



DETAIL A

SCALE: NONE

M6-2L

TURN LANE

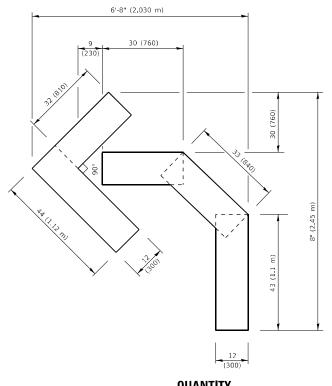
All dimensions are in inches (millimeters) unless otherwise shown.

USER NAME = Bilgramisa	DESIGNED	- T.	RAMMACHER	09-08-94	REVISED	-	R. BORO 09-14-09
	DRAWN	-	A. HOUSEH	11-07-95	REVISED	- A.	SCHUETZE 07-01-13
PLOT SCALE = 100.0000 / in.	CHECKED	-	A. HOUSEH	10-12-96	REVISED	- A.	SCHUETZE 09-15-16
PLOT DATE = 3/5/2021	DATE	- T.	RAMMACHER	01-06-00	REVISED	-	

FIGURE 1

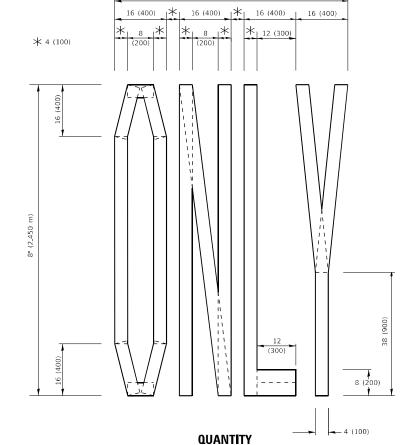
TRAFF	IC CON	ITR	OL A	ND	PROTEC	TION A	T TURN	BAYS	F.A.P. RTE	SEC ⁻	TION		COUNTY	TOTAL SHEETS	SHEET NO.
	(TO REMAIN OPEN TO TRAFFIC)								29 2020-048-RS&SW C			COOK	24	19	
	, ,,,	U 1	ILLIVIA	IIV	OI LIV	U IIIAI	110/			TC-14	ļ		CONTRACT	NO. 62	2L20
NE	SHEET 1 OF 1 SHEETS STA. TO STA.									ILLINOIS	FED. AI	D PROJECT			

SEE DETAIL "A"

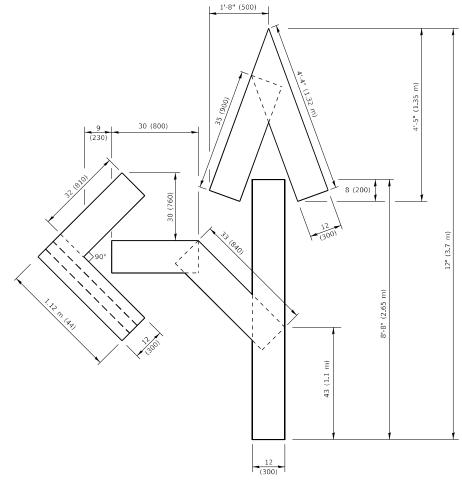


QUANTITY

4 (100) LINE = 45.5 ft. (13.9 m) 15.2 sq. ft. (1.41 sq. m)



4 (100) LINE = 64.1 ft. (19.5 m) 21.4 sq. ft. (1.99 sq. m)

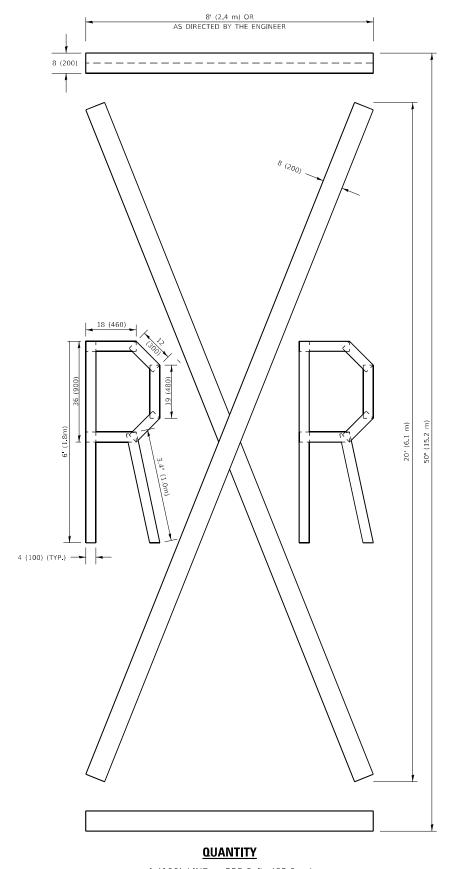


QUANTITY

4 (100) LINE = 82.5 ft. (25.1 m) 27.5 sq. ft. (2.53 sq. m)

NOTE:

ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



4 (100) LINE = 225.9 ft. (68.9 m) 75.3 sq. ft. (6.99 sq. m)

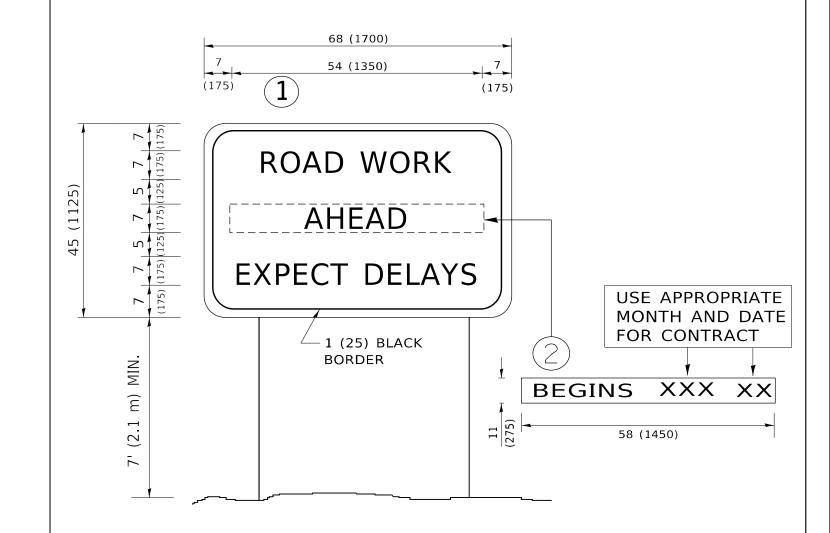
> All dimensions are in inches (millimeters) un**l**ess otherwise shown.

USER NAME = Bilgramisa	DESIGNED -	REVISED	- T. RAMMACHER 03-02-98
	DRAWN -	REVISED	- E. GOMEZ 08-28-00
PLOT SCALE = 100.0010 / in.	CHECKED -	REVISED	- E. GOMEZ 08-28-00
PLOT DATE = 3/5/2021	DATE - 09-18-94	REVISED	- A. SCHUETZE 09-15-16

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

SHORT	TERM	PAV	EMENT	MARKING	LETTERS	AND SYMBOLS	
SCALE: NONE	SHEE	T 1	OF 1	SHEETS	STA.	TO STA.	

					TOTAL.	CLIEF
F.A.P. RTE.	SEC ⁻	TION		COUNTY	TOTAL SHEETS	SHEE NO.
29	2020-048	COOK	24	20		
	TC-16	CONTRACT	NO. 62	2L20		
		ILLINOIS	ID PROJECT			



NOTES:

- 1. USE BLACK LETTERING ON ORANGE BACKGROUND.
- 2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3. ERECT SIGN 1 WITH INSTALLED PANEL 2 ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
- 4. REMOVE PANEL(2)SOON AFTER THE START OF CONSTRUCTION.
- 5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
- 6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)

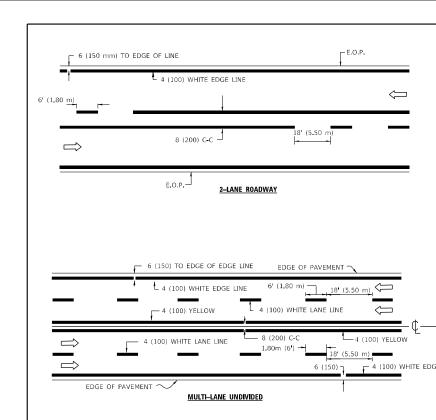
SCALE: NONE

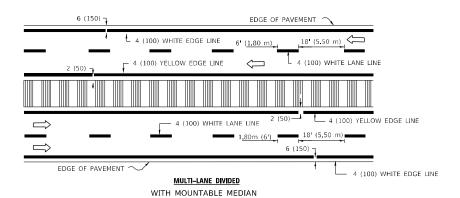
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

USER NAME = Bilgramisa	DESIGNED -	REVISED	-	R. MIRS 09-15-97
	DRAWN -	REVISED	-	R. MIRS 12-11-97
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED	- T.	RAMMACHER 02-02-9
PLOT DATE = 3/5/2021	DATE -	REVISED	-	C. JUCIUS 01-31-07

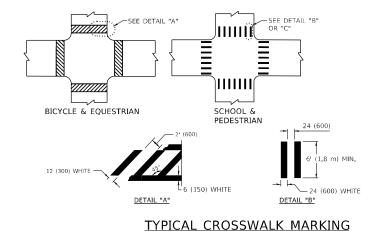
	ARTERIAL ROAD INFORMATION SIGN				F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
					29	29 2020-048-RS&SW		24	21		
INI ONIVIATION SIGN						TC-22	CONTRACT	NO. 62	2L20		
	SHEET 1		OF 1	SHEETS	STA.	TO STA.		ILLINOIS FED.	AID PROJECT		

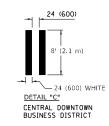


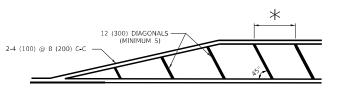


TYPICAL LANE AND EDGE LINE MARKING

NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

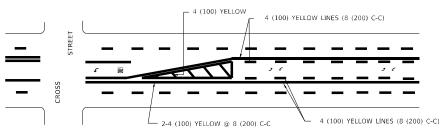




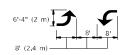


- * FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
- * DIAGONAL LINE SPACING: 20' (6.1 m) C-C

PAINTED MEDIANS

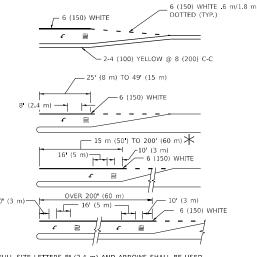


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

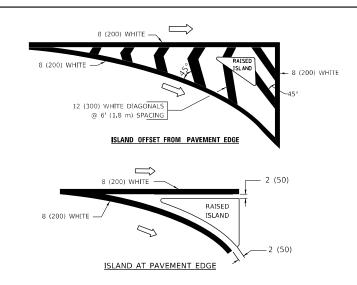


FULL SIZE LETTERS 8 (2.4 m) AND ARROWS SHALL BE USED. \P AREA = 15.8 SQ. FT. (1.47 m²) \P AREA = 22.9 SQ. FT. (2.13 m²)

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

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	8 (200) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	8 (200) C-C
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	6' (1.80 m) LINE WITH 18' (5.50 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION	SKIP-DASH AND SOLID	YELLOW	6' (1.8 m) LINE WITH 18' (5.50 m) SPACE FOR SKIP-DASH; 8 (200) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	8' (2.4 m) LEFT ARROW	IN PAIRS	WHITE	SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL & PEDESTRIAN)	12 (300) @ 45° 24 (600) @ 90°	SOLID SOLID	WHITE WHITE	2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1,2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45°	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	8 (200) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 20' (6.1 m) (LESS THAN 30 MPH (50 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SO. FT. (0.33m ²) EACH "X"=54.0 SO. FT. (5.0 m ²)

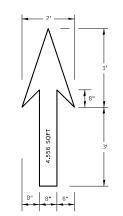
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STREET MARKING STANDARDS, PRINTED BY CITY OF CHICAGO, DEPARTMENT OF TRANSPORTATION, BUREAU OF TRAFFIC.

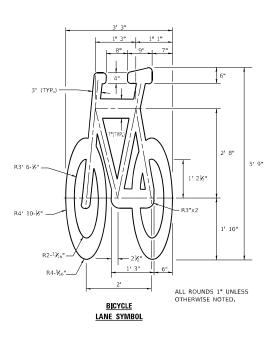
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

USER NAME = Bilgramisa	DESIGNED -	REVISED	-T. RAMMACHER 12-07-0
	DRAWN -	REVISED	- K. ENG 02-28-12
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED	-
PLOT DATE = 3/5/2021	DATE -	REVISED	-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO								SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	TYPICAL PAVEMENT MARKINGS								СООК	24	22
									CONTRACT	NO. 62	2L20
SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA. TC-24 CONTRACT N ILLINOIS FED. AID PROJECT											

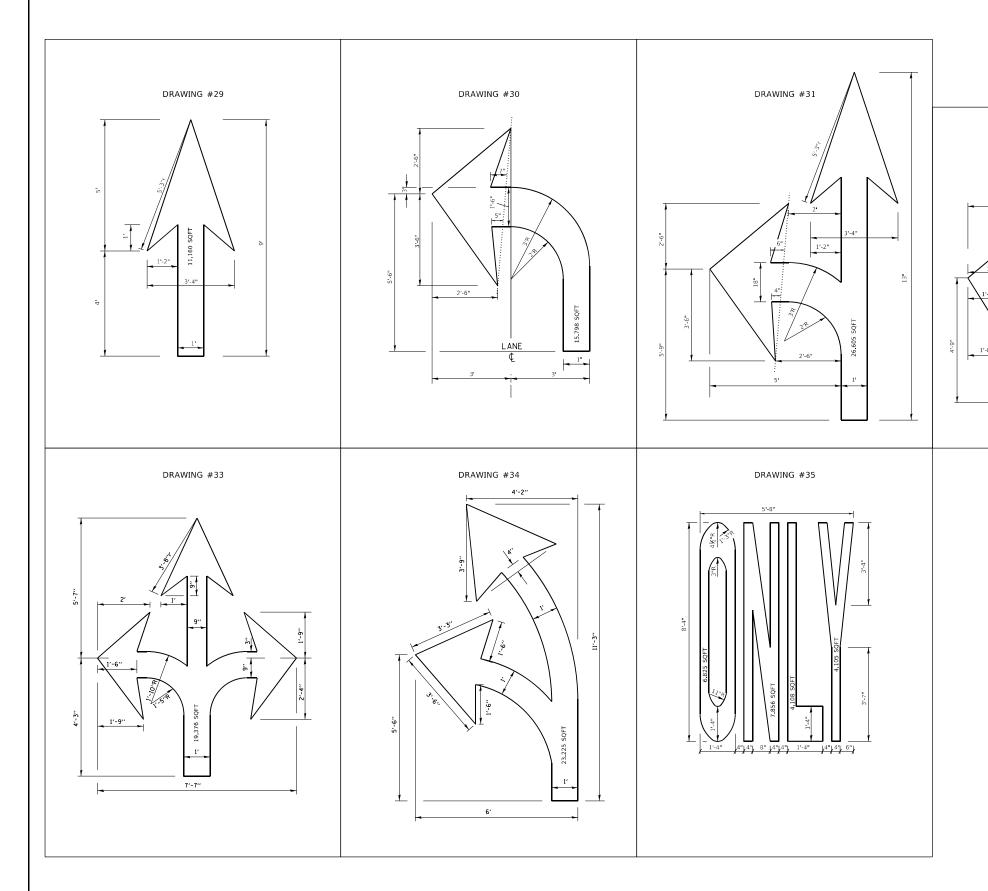




NOTE:

- 1. FOR BIKE LANE SYMBOLS ONLY,
 USE PRE-FORMED THERMOPLASTIC
 WITH A MINIMUM THICKNESS OF 90 MILS,
 MINIMUM SKID RESISTANCE VALUE OF 60 BPN,
 & A MINIMUM INDEX OF REFRACTION OF 1.50.
- 2. THE RESIDENT ENGINEER SHALL CONTACT MR, BEN GOMBERG AT 312-744-8093 AT LEAST ONE CALENDAR WEEK PRIOR TO INSTALLING BIKE LANE SYMBOLS.

TYPICAL BIKE LANE SYMBOLS
DRAWING #28



NOTE:

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

DRAWING #32

USER NAME = Bilgramisa	DESIGNED -	REVISED - 1. RAMMACHER 12-07-00
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -
PLOT DATE = 3/5/2021	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CITY OF CHICAGO					SECTION	COUNTY	TOTAL SHEETS	
	TYPICAL PAVEMENT	29	2020-048-RS&SW	COOK	24	23		
	TIT JOAL TAVEIVILIA		TC-24	CONTRAC	T NO. 62	2L20		
SCALE: NONE	SHEET 2 OF 3 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT				

MODEL: Default

