FOR INDEX OF SHEETS, SEE SHEET NO. 2.

TRAFFIC DATA

ADT = 204.600 VEHICLESPOSTED SPEED LIMIT = 55 MPH

PROJECT LOCATED IN THE CITY OF CHICAGO

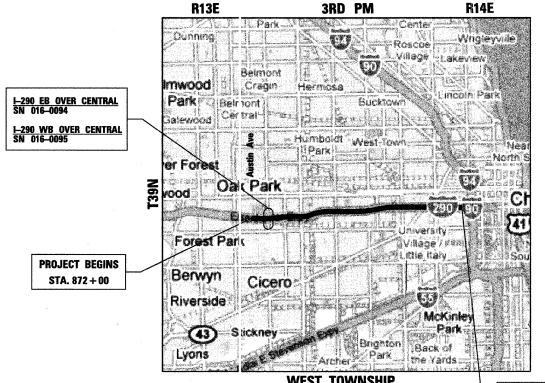
STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAI-290 (EISENHOWER EXPRESSWAY) SECTION (2828 B, D) ETC., 3031.1)RS-6 PROJECT: ACIM-290-4(//3)09/ AUSTIN AVE. TO I-90/94 RESURFACING AND ROADWAY AND STRUCTURE REPAIRS **COOK COUNTY** C-91-494-09



NOTE: WHEREVER IN THESE PLANS

MEAN 300

WEST TOWNSHIP

LAYOUT MAP SCALE: 1 IN = 1.5 MI

PROJECT ENDS STA. 1215 + 15 (WB) STA. 1214 + 90 (EB)

GROSS LENGTH ()F PROJECT = 34,315 LIN FT = 6.50 MILES NET LENGTH OF PROJECT = 34.315 LIN FT = 6.50 MILES

CONTRACT NO. 60G53

CHICAGO UTILITY AREA NETWORK

C.U.A.N.

OR 811

1-312-744-7000

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

PROJECT ENGINEER: CRAIG BAUER (847) 705-4265

PROJECT MANAGER: LONG TRAN (847) 705-4232

0.

0

COUNTY TOTAL SHEETS NO.

COOK 300 1

ILLINOIS CONTRACT NO. 60G53 FED. ROAD DIST. NO. • (2828 B. D. ETC., 3031.1)RS-6 X 327 + 1 = 328 A X+6=327 D-91-341-09 REFERENCE IS MADE TO "TOTAL SHEETS 185" IT SHALL

> STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION**

LOCATION OF SECTION INDICATED THUS:

- M. O'Keefe

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

benesch

A Rev. 1-8-10 ARev. 1-4-10

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SIGNING DETAILS

FROM PAVEMENT FDGE

TRAFFIC CONTROL DEVICES
TEMPORARY CONCRETE BARRIER

PAVEMENT MARKERS

SIGN PANEL MOUNTING DETAILS

SIGN PANEL ERECTION DETAILS

LANE CLOSURE, FREEWAY/EXPRESSWAY

TWO LANE CLOSURE FREEWAY/EXPRESSWAY

SIGN PANEL EXTRUDED ALUMINUM TYPE
TYPICAL PAVEMENT MARKINGS

TYPICAL APPLICATIONS RAISED REFLECTIVE

METAL POST FOR SIGNS MARKERS & DELINEATORS

OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5m) AWAY APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY

LANE CLOSURE, FREEWAY/EXPESSWAY, DAY OPERATIONS ONLY

LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS \geq 45 MPH LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY FOR SPEEDS \geq 45 MPH

LANE CLOSURE, MULTILANE, FOR SPEEDS \(\geq 45\) MPH TO 55 MPH
LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS \(\geq 45\) MPH

DISTRICT 1 SIGNING DETAILS

* ADDED 154, 158 * ADDED 124A - 1240 A * ADDED 73A.)

214-292

GENERAL NOTES:

- 1. BEFORE STARTING WORK THE CONTRACTOR SHALL CALL DIGGER AT (312) 774-7000 FOR WORK WITHIN THE CHICAGO CITY LIMITS OR JULIE AT 811 OR (800) 892-0123 FOR WORK OUTSIDE CHICAGO CITY LIMITS FOR FIELD LOCATIONS OF BURIED UTILITIES. 72 HOUR ADVANCE NOTIFICATION IS REQUIRED.
- 2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AS REQUIRED.
- 3. THE CONTRACTOR SHALL COORDINATE WORK ACTIVITIES WITH ADJACENT CONTRACTS. IDOT CONTRACT NUMBERS ARE 60G52 AND 60D61.
- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UF A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5. VERTICAL CLEARANCES OF BRIDGES OVER I-290 SHALL BE MAINTAINED. HMA SURFACE REMOVAL AND PROPOSED HMA SURFACE THICKNESS WILL BE VARIED AS DIRECTED BY THE ENGINEER IF THE EXISTING BITUMINOUS DEPTH IS LESS THAN 2". THE CONTRACTOR SHALL VERIFY ALL BRIDGE CLEARANCES BEFORE AND AFTER CONSTRUCTION AND FURNISH RESULTS TO THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE LUMP SUM PRICE FOR CONSTRUCTION LAYOUT.
- 6. WHERE ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- 7. PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, AND CONCRETE BARRIER REMOVAL AND REPLACEMENT LIMITS ARE NOT SHOWN ON THE PLANS. LIMITS OF THIS WORK WILL BE DETERMINED BY THE ENGINEER.
- 8. BUTT JOINTS WILL BE INSTALLED AT THE END OF ALL RESURFACING SECTIONS TO MATCH EXISTING PAVEMENT. SEE DISTRICT DETAIL BD400-05 BUTT JOINT AND HMA TAPER DETAILS FOR ALL PCC AND HMA BUTT JOINTS.
- 9. CONTACT EXPRESSWAY OPERATIONS AT (847) 705-4161 TWO WEEKS BEFORE INSTALLING FINAL PAVEMENT MARKINGS.

- 10. THE CONTRACTOR SHALL SWEEP AND CLEAN THE PAVEMENT SURFACE, PER ARTICLE 107.15 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.
- 11. TEMPORARY EDGE LINES SHOWN IN THE SUGGESTED MAINTENANCE OF TRAFFIC SHALL BE INSTALLED WITHIN 24 HOURS OF MILLING OR BINDER PLACEMENT.
- 12. THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS WAS DEVELOPED FROM PREVIOUS PLANIMETRICS AND AERIAL PHOTOGRAPHY FURNISHED BY THE DEPARTMENT AND IS NOT THE RESULT OF A GROUND SURVEY. THEREFORE, THE ALIGNMENTS AND SUPPORTING DATA SHOWN IN THE PLANS IS FOR REFERENCE PURPOSES ONLY. THE RELATIVE ACCURACY OF THE INFORMATION IS UNKNOWN AND CANNOT BE GUARANTEED. THE CONTRACTOR MAY BE REQUIRED TO ADJUST LAYOUT TO MATCH ACTUAL FIELD CONDITIONS AND THE INTENT OF THE PLANS. ALL ALIGNMENTS ARE BASELINES.
- 13. BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD (FOR FUTURE REFERENCES), ALL EXISTING PAVEMENT MARKING LINES IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL STRIPING SHALL BE AS DIRECTED BY THE ENGINEER.
- 14. DRAINAGE ADJUSTMENT, CLEANING OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 15. 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.
- 16. VERTICAL BARRICADES WILL REMAIN IN PLACE ALONG THE EDGES OF PAVEMENT AS SHOWN IN THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS UNTIL THE SURFACE COURSE AND PROPOSED PAVEMENT MARKING EDGE LINES HAVE BEEN COMPLETED.
- 17. DISPOSAL OF THE SHOULDER CUTTING AND CLEAN SWEEPING OF THE SHOULDERS SHALL BE COMPLETED PRIOR TO THE OPENING OF THE SHOULDERS AND TRAFFIC. DISPOSAL AND SWEEPING SHALL BE INCLUDED IN THE COST OF "SHOULDER RUMBLE STRIPS".
- 18. EXISTING PAVEMENT MARKINGS THAT CONFLICT WITH REVISED TRAFFIC PATTERNS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR PAVEMENT MARKING REMOVAL.

IDOT STANDARDS

701106-02 701400-04 701401-05

701406-05

701411-06

701421-02

701422-02

701426-03 701446-01

701901-01

704001-06

720001-01 720006-02

720011-01

720021-02 780001-02

781001-03

DESCRIPTION STANDARD NO. DETAIL DESCRIPTION BD600-03 (BD-8) 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING BD400-04 (BD-22) PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT BUTT JOINT AND HMA TAPER DETAILS 420001-07 PAVEMENT JOINTS BRIDGE APPROACH PAVEMENT CONNECTOR BD400-05 (BD-32) 420401-08 421001-02 BAR REINFORCEMENT FOR CRC PAVEMENT BD400-06 (BD-33) HMA TAPER AT EDGE OF P.C.C. PAVEMENT 442001-04 CLASS A PATCHES ELECTRIC CONNECTION TO SIGN STRUCTURE SPAN TYPE BE-600 CLASS C AND D PATCHES 442201-03 ELECTRIC CONNECTION TO SIGN STRUCTURE CANTILEVER TYPE NAME PLATE FOR BRIDGES BM-21 TC-8 REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL 515001-03 COMBINATION CURB TYPE B AND COMBINATION CONCRETE CURB & GUTTER FREEWAY ENTRANCE AND EXIT RAMP CLOSURE DETAILS 606001-04 TC-9 TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE STEEL PLATE BEAM GUARDRAIL 630001-08 WEAVE MULTI-LANE FREEWAY FAVEMENT MARKING DETAILS TRAFFIC BARRIER TERMINAL, TYPE 1B TC-12 631006-07 631026-05 TRAFFIC BARRIER TERMINAL, TYPE 5 TC-17 TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT PARTIAL RAMP CLOSURES TC-18 SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS CONCRETE BARRIER, DOUBLE FACE, 815mm (32 IN) HEIGHT TC-25 TRAFFIC CONTROL DETAILS FOR FREEWAY CENTER LANE CLOSURE 637001-04 CONCRETE BARRIER, DOUBLE FACE, 1065mm (42 IN) HEIGHT 637006-02 TC-27 MILE POST MARKERS-GORE SIGNS-MAJOR GUIDE SIGN LAYOUT-ARROWS SHOULDER RUMBLE STRIPS 642001-01 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24" (600mm) 701101-02

DISTRICT 1 DETAILS

HOT-MIX ASPHALT REQUIREMENTS

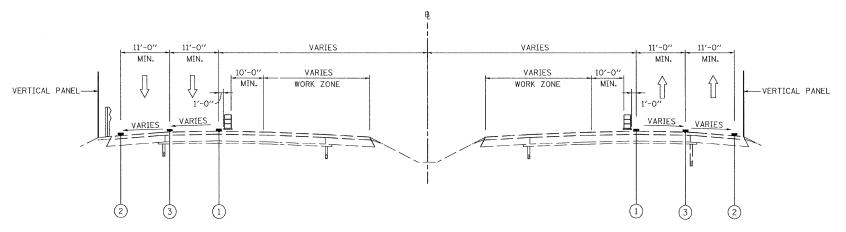
1101 1111/1 1111 112011 11111			
MIXTURE TYPE	THICKNESS	VOIDS	
MAINLINE RESURFACING POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	2"	3.5% e 80 Gyr	
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	2"	3.5% @ 80 Gyr	
MAINLINE OUTSIDE SHOULDERS AND INSIDE SHOULDERS > 8' HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	1-1/2"	4% © 70 Gyr	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N70	2-1/4"	4% @ 70 Gyr	
RAMPS AND SHOULDERS HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 HOT-MIX ASPHALT BINDER COURSE, IL-19.0 N70	1 1/2"	4% c 70 Gyr	
PATCHING CLASS D PATCHES OF TYPE AND THICKNESS SPECIFIED (HMA BINDER IL-25mm)	10"	4% e 105 Gyr	
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-25mm)	3 1/4", 5 1/2" OR 5 3/4"	4% € 105 Gyr	
STABILIZED SUBBASE HOT MIX ASPHALT, ATT	-4"-	-2% € 30 Gyr	

UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SMA SURFACE COURSE IS 135 LBS/SQ YD/IN. UNITS WEIGHT USED TO CALCULATE ALL OTHER HOT-MIX ASPHALT MIXTURES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

A Rev. 1-08-10

					A Rev. 1-4-10		
FILE NAME =	DESIGNED - AJP	REVISED -	_		INDEX OF SHEETS, STANDARDS	F.A.I. SECTION	COUNTY TOTAL SHEET
\$FILEL\$	DRAWN - TMB	REVISED -	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & HMA REQUIEMENTS	290 (2828B.D. ETC., 3031.1)RS-6	соок 185 2
USER NAME = \$USER\$	CHECKED - JMM	REVISED -			GENERAL MUIES & NIMA NECUDEMENTS		CONTRACT NO. 60G53
PLOT DATE = \$DATE\$	DATE - 10/16/09	REVISED -			SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. A	



I-290 MAINTENANCE OF TRAFFIC

TYPICAL SECTION

SHOULDER STAGING OPTION
(OUTSIDE SHOULDER STAGING SHOWN)
(INSIDE SHOULDER STAGING SIMILAR - OPPOSITE HAND)

LEGEND

- WET REFLECTIVE TEMPORARY TAPE, -TYPE III, 4 INCH (YELLOW)
- WET REFLECTIVE TEMPORARY TAPE, -TYPE III, 4 INCH (WHITE) (2)
- WET REFLECTIVE TEMPORARY TAPE, -TYPE III, 5 INCH (WHITE)
- TYPE II BARRIER, DRUM, OR VERTICAL BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT

CONTRACTOR OPTION FOR STAGING ON SHOULDERS

AS AN ALTERNATIVE TO THE MAINTENANCE OF TRAFFIC SHOWN IN THE PLANS, THE CONTRACTOR HAS THE OPTION TO SHIFT TRAFFIC ONTO THE EXISTING SHOULDERS AT LOCATIONS WHERE THE SHOULDERS ARE A MINIMUM OF 10 FEET WIDE. ON THE CLOSED LANE ADJACENT TO LIVE TRAFFIC, THE CONTRACTOR SHALL MAINTAIN A 10 FOOT MINIMUM ROADWAY WIDTH WITHIN THE CLOSED LANE. THE CONTRACTOR SHALL NOT PLACE EQUIPMENT OR STORE MATERIALS WITHIN THE CLOSED LANE. ALL TRAFFIC LANES SHALL BE AT LEAST 11 FEET WIDE AND BE DELINEATED FROM THE WORK ZONE BY TYPE II BARRICADES OR DRUMS WITH STEADY BURNING MONODIRECTIONAL LIGHTS PLACED AT 100 FEET CENTER-CENTER.

ALL PATCHING, DRAINAGE STRUCTURE FRAME AND GRATE REPAIRS AND/OR ADJUSTMENTS, OR TEMPORARY PAVEMENT, REQUIRED ALONG THE SHOULDERS AND GORES IN PREPARATION TO SHIFT TRAFFIC WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS. ALL ADDITIONAL TRAFFIC CONTROL DEVICES, TEMPORARY PAVEMENT MARKINGS, SIGNING (TEMPORARY AND EXISTING OVERHEAD) AND INCIDENTAL COSTS ASSOCIATED WITH IMPLEMENTING THE SHOULDER STAGING OPTION SHALL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR WILL BE REQUIRED TO SUBMIT PLANS OF THE SHOULDER STAGING OPTION TO THE ENGINEER FOR APPROVAL AT LEAST 2 WEEKS PRIOR TO SHIFTING TRAFFIC INTO THE STAGED CONFIGURATION. THE PLANS SHALL INCLUDE LANE CONFIGURATIONS, WORK ZONES, TRAFFIC CONTROL DEVICES, SIGNING (TEMPORARY AND EXISTING OVERHEAD) AND TEMPORARY PAVEMENT MARKINGS.

POSSIBLE 10' MINIMUM SHOULDER LOCATIONS (TO BE FIELD VERIFIED)

LOCATIONS:	EASTE	BOUND	WESTBOUND		
EOCATIONS.	INSIDE SHOULDER	OUTSIDE SHOULDER	INSIDE SHOULDER	OUTSIDE SHOULDER	
872+00 to 903+00	х	x	х	x	
903+00 to 916+00		X		X	
916+00 to 1047+00	x	X	x	X	
1047+00 to 1051+00	х		х	X	
1051+00 to 1091+00	x	×	x	x	
1091+00 to 1093+00	x	x		x	
1093+00 to 1150+00	x	x	x	х	
1150+00 to 1154+00	Х	X		x	
1154+00 to 1196+00	x	X	x	X	
1196+00 to 1211+00		X		х	
1211+00 to 1220+00		x		Х .	

ADDED SHEET 1/7/2010, ABC

FILE NAME =		DESIGNED - AJP	REVISED - 2 1/7/10	benesch	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MAINTENANCE OF TRAFFIC	F.A.I. SECTION	COUNTY TOTAL SHEET SHEETS NO.
\$FILEL\$		DRAWN - TMB	REVISED -			TYPICAL SECTION - SHOULDER STAGING OPTION	290 (2828B,D, ETC., 3031.1)RS-6	соок 185 73A
USER NAME =	= \$USER\$	CHECKED - JJT	REVISED -	Ochesch				CONTRACT NO. 60G53
PLOT DATE =	= \$DATE\$	DATE - 10/16/09	REVISED -			SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. A	ID PROJECT

