

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1381	2009-064 RS	COOK	63	1
		ILLINOIS	CONTRACT NO. 60H57	

*63+5=68

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I ROUTE 57 (INTERSTATE 57)
WILL COUNTY LINE TO .1 MILE NORTH OF 175TH ST.
SECTION: 2009-064 RS
RESURFACING (3P)
PROJECT: *ESP-057-7(285)339*
COOK COUNTY
C-91-755-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THE PROJECT IS LOCATED IN THE VILLAGES OF COUNTRY CLUB HILLS, MATTESON, BREMEN AND RICHTON PARK

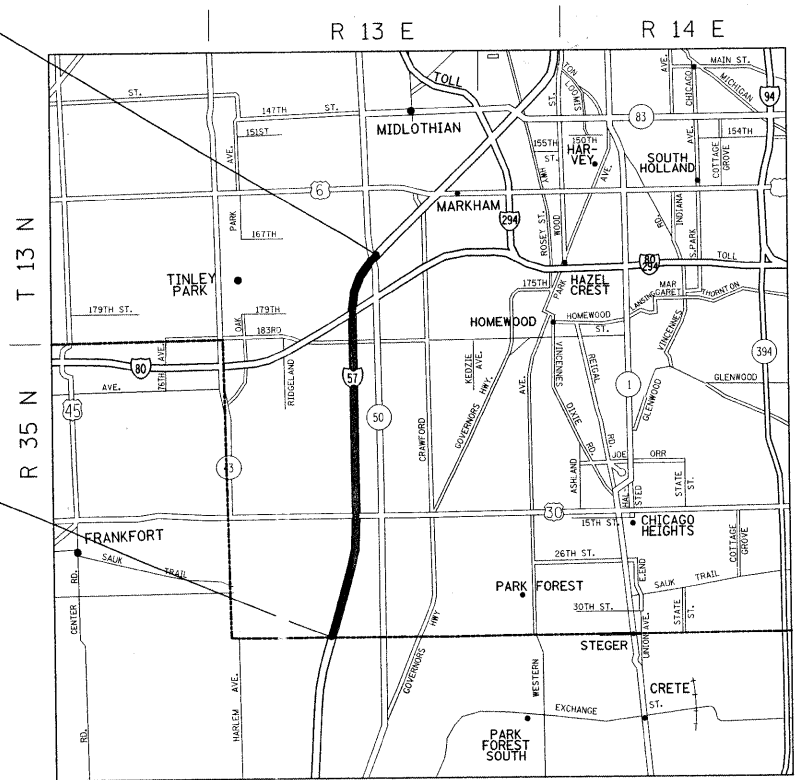
PROJECT ENDS:
STA. 1372 + 61 (SB)
STA. 1272 + 31 (NB)

RESURFACING OMISSIONS:
STA. 871 + 47.8 TO STA. 875 + 63
STA. 900 + 73.8 TO STA. 903 + 14.5
STA. 1338 + 15.8 TO STA. 1342 + 32.2 (I-57 SB)
STA. 1240 + 51.3 TO STA. 1245 + 54.4 (I-57 NB)
STA. 1248 + 91.6 TO STA. 1252 + 76.1 (I-57 NB)

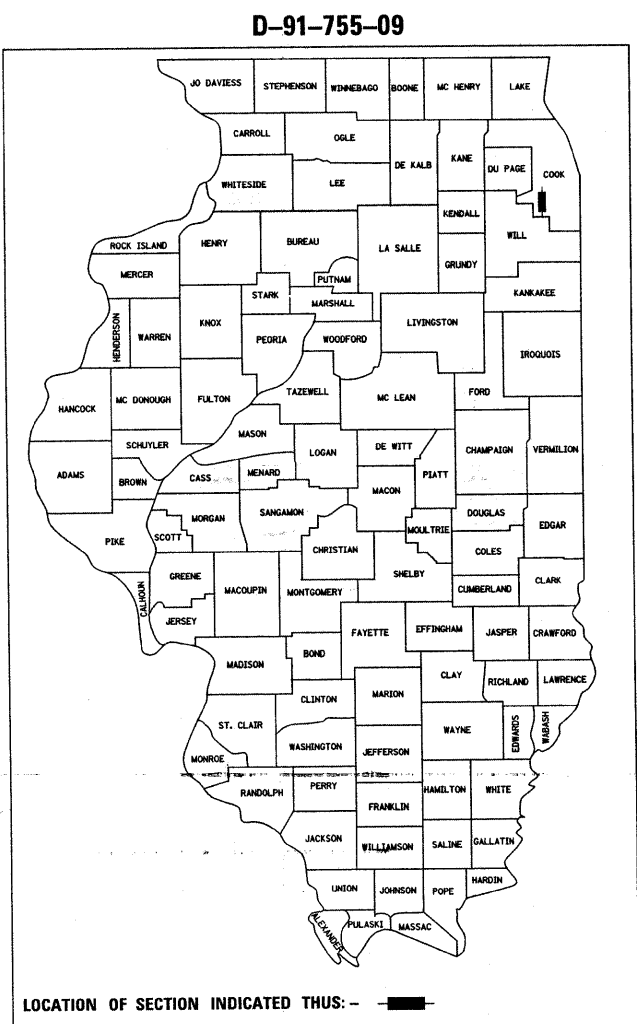
PROJECT BEGINS:
STA. 791 + 93

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811



RICH & BREMEN TOWNSHIP



LOCATION OF SECTION INDICATED THUS: —

TRAFFIC DATA:
2006 ADT= 91000
POSTED SPEED LIMIT= 55 & 65 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *June 24 2009*

Dan Clift
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

August 14, 2009
Charles J. Ingersoll
ENGINEER OF DESIGN AND ENVIRONMENT

August 14, 2009
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PROJECT ENGINEER J.P CHANG (847) 705-4432
PROJECT MANAGER KEN ENG

CONTRACT NO. 60H57

GROSS LENGTH OF PROJECT = 38068 LINEAL FEET = 7.20 MILES
NET LENGTH OF PROJECT = 36118.1 LINEAL FEET = 6.84 MILES

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INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NO. DESCRIPTION

STANDARD NO. DESCRIPTION

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420001-07	PAVEMENT JOINTS
442001-04	CLASS A PATCHES
642001-01	SHOULDER RUMBLE STRIPS
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701401-05	LANE CLOSURE, FREEWAY/EXPRESSWAY
701411-05	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
701446-01	TWO LANE CLOSURE FREEWAY/EXPRESSWAY
701901-01	TRAFFIC CONTROL DEVICES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF COUNTRY CLUB HILLS, MATTESON, BREMEN AND RITCHTON PARK.

THE CONTRACTOR WILL NOT BE ABLE TO SET UP A YARD OR FIELD OFFICE ON THE STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.

THE RESIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS , AREA TRAFFIC FIELD ENGINEER, AT (708) 597-9800 A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS, AND 1 INCH WHERE THE SPEED LIMIT IS 45 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1:3 (V:H).

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4151. A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.

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.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER

DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS- RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)" SHOWN IN THE PLANS.

SUMMARY OF QUANTITIES			URBAN 100% FED.	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			URBAN 100% FED.	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY					CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY				
				I000													
20201006	GRADING AND SHAPING SHOULDERS	UNIT	1936	1936					70300550	PAVEMENT MARKING TAPE, TYPE III 8"	FOOT	14746	14746				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	380	380					70300560	PAVEMENT MARKING TAPE, TYPE III 12"	FOOT	7306	7306				
40600300	AGGREGATE (PRIME COAT)	TON	1898	1898					70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	56	56				
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	711	711					70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	64280	64280				
40600895	CONSTRUCTING TEST STRIP	EACH	1	1					* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	72.6	72.6				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	14518	14518					* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	192841	192841				
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	195	195					* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1750	1750				
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	9155	9155					* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	14746	14746				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	13184	13184					* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	7306	7306				
42001300	PROTECTIVE COAT	SQ YD	994	994					* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	56	56				
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1042	1042					* 78004220	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 5"	FOOT	28484	28484				
44000156	HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"	SQ YD	72659	72659					* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	72.6	72.6				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	316443	316443					* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	192,841	192,841				
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	84304	84304					* 78005120	EPOXY PAVEMENT MARKING - LINE 5"	FOOT	28,484	28,484				
44002214	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/2"	SQ YD	994	994					* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	14,746	14,746				
44200541	CLASS A PATCHES, TYPE II, 9 INCH	SQ YD	967	967					* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	56	56				
44200547	CLASS A PATCHES, TYPE IV, 9 INCH	SQ YD	27	27					* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2523	2523				
44213000	PATCHING REINFORCEMENT	SQ YD	994	994					78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	2018	2018				
44213200	SAW CUTS	FOOT	4264	4264					* 81017515	CONDUIT IN TRENCH, 1 1/4" DIA., COILABLE NONMETALLIC CONDUIT	FOOT	50	50				
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	12325	12325					* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	50	50				
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	1	1					* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1297	1297				
64200105	SHOULDER RUMBLE STRIP	FOOT	146539	146539					* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	212	212				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	1620	1620				
67100100	MOBILIZATION	L SUM	1	1					X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	308.4	308.4				
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	16	16					* X0322300	ELECTRIC CABLE IN CONDUIT NO. 18 4/C, TWISTED, SHIELDED	FOOT	323	323				
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	192841	192841					X0322729	MATERIAL TRANSFER DEVICE	TON	77288	77288				
70300530	PAVEMENT MARKING TAPE, TYPE III 5"	FOOT	28484	28484					X0324685	TEST STRIP (STONE MATRIX ASPHALT)	EACH	2	2				
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	1750	1750					X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1				

*Specialty Items

SUMMARY OF QUANTITIES			URBAN 100% FED.	CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES				TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		TOTAL QUANTITIES	ROADWAY						CODE NO	ITEM		UNIT	TOTAL QUANTITIES	ROADWAY			
				1000										1000					
X4066580	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	42720	42720															
X4066685	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	TON	34568	34568															
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	3319	3319															
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1															
X7013820	TRAFFIC CONTROL SURVEILLANCE, EXPRESSWAYS	CAL DA	50	50															
* X8850102 © 20076600	INDUCTION LOOP TRAINEES	FOOT HOUR	743 1500	743 1500															
X0325775	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4 INCH	FOOT	385,682	385,682															
X0325841	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 24 INCH	FOOT	112	112															
X0325842	WET REFLECTIVE TEMPORARY TAPE, TYPE III, LETTERS AND SYMBOLS	SQ FT	145.2	145.2															
X0325876	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 8 INCH	FOOT	29,492	29,492															
X0326107	WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5 INCH	FOOT	56,968	56,968															
	<i>* Specialty Items © 1080</i>																		

FILE NAME =
c:\pwwork\pwwork\abebe\awd\0142330\0175509-str-plan.dgn

USER NAME = abebawa

DESIGNED -
DRAWN -
CHECKED -
DATE -

REVISOR -
REVISION -
REVISION -
REVISION -

PLOT SCALE = 50.0000 ' / IN.

PLOT DATE = 6/29/2009

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

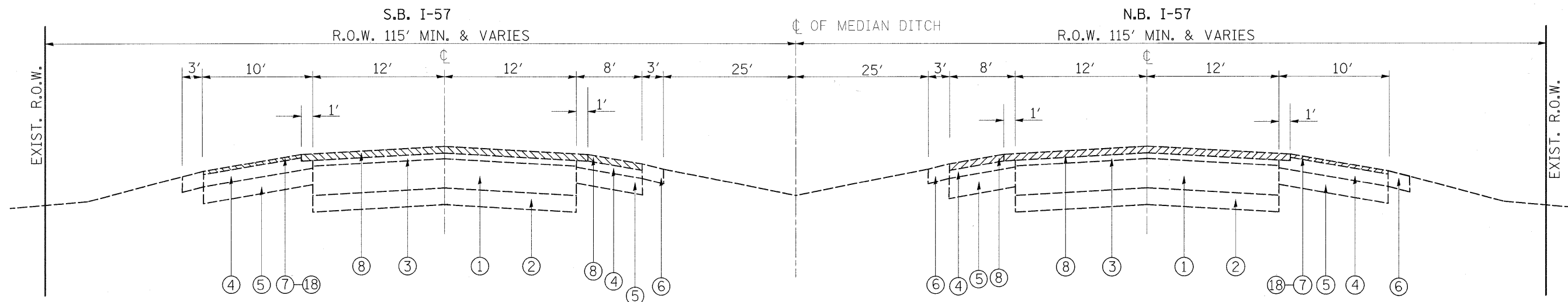
F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.

57 2009-064 RS COOK 63 3A

CONTRACT NO. 60H57

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

Rev



IL-57
 EXISTING TYPICAL CROSS SECTION
 STA. 791+93 TO STA. 1125+00
 STA. 1325+00 TO STA. 1372+61 (I-57 N.B.)
 STA. 1225+00 TO STA. 1272+31 (I-57 N.B.)

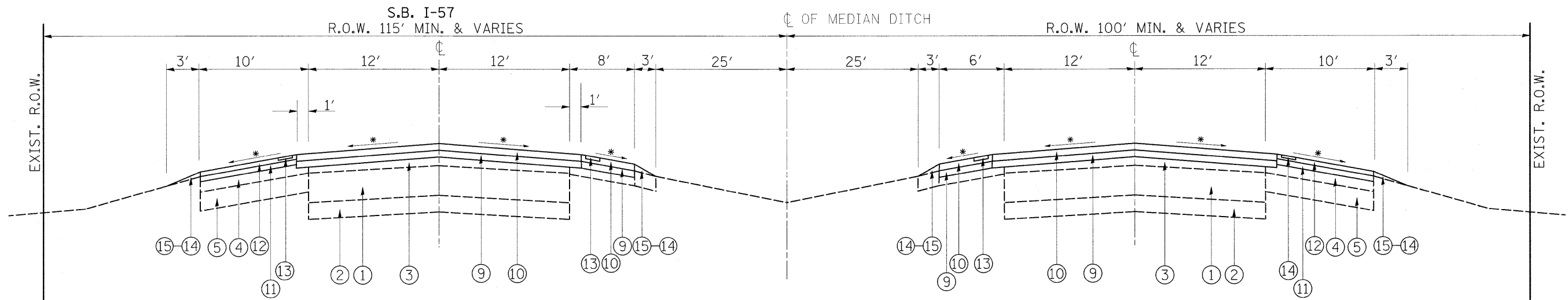
LEGEND

- ① EXISTING CRC PAVEMENT, ± 9"
- ①A EXISTING P.C.C PAVEMENT, ± 10"
- ② EXISTING STABILIZED SUB-BASE, 4"
- ③ EXISTING HOT-MIX ASPHALT SURFACE (AFTER MILLING), ± 1 1/2 "
- ③A EXISTING HOT-MIX ASPHALT SURFACE (AFTER MILLING), 1"
- ④ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑤ EXISTING STABILIZED SHOULDER
- ⑥ EXISTING AGGREGATE SHOULDER TYPE "B"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑪ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/4"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX. "D", N70, 1 1/2"
- ⑬ PROPOSED SHOULDER RUMBLE STRIP
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"
- ⑮ PROPOSED GRADING AND SHAPING SHOULDER
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑰ PROPOSED POLYMERIZED LEVELING BINDER, IL-4.75, N50, 3/4"
- ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2 " (OUTSIDE SHOULDER UNDER THE BRIDGES)

NOTE:

- CONTRACTOR SHALL PATCH BEFORE MILLING
- PP-3 CONCRETE SHALL BE USED FOR CLASS A PATCHES AND ALL PATCHES SHALL BE IN PLACE NO LATER THEN 3:00 PM SATURDAY

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 57 TYPICAL SECTION MAINLINE		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\IDOT\ABEBAWA\0142330\017	009-shr-plan.dgn	DRAWN -	REVISED -		57	2009-064 RS	COOK	63	4		
PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -	REVISED -		SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 60H57		ILLINOIS FED. AID PROJECT		
PLOT DATE = 7/15/2009	DATE -	REVISED -	REVISED -								



*MATCH EXISTING SLOPES

IL-57
 PROPOSED TYPICAL CROSS SECTION
 STA. 791+93 TO STA. 1125+00
 STA. 1325+00 TO STA. 1372+61 (I-57 N.B)
 STA. 1225+00 TO STA. 1272+31 (I-57 N.B)

LEGEND

- ① EXISTING CRC PAVEMENT, ± 9"
- ①A EXISTING P.C.C PAVEMENT, ± 10"
- ② EXISTING STABILIZED SUB-BASE, 4"
- ③ EXISTING HOT-MIX ASPHALT SURFACE (AFTER MILLING), ± 1 1/2 "
- ③A EXISTING HOT-MIX ASPHALT SURFACE (AFTER MILLING), 1"
- ④ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑤ EXISTING STABILIZED SHOULDER
- ⑥ EXISTING AGGREGATE SHOULDER TYPE "B"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑪ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/4"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX. "D", N70, 1 1/2"
- ⑬ PROPOSED SHOULDER RUMBLE STRIP
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"
- ⑮ PROPOSED GRADING AND SHAPING SHOULDER
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑰ PROPOSED POLYMERIZED LEVELING BINDER, IL-4.75, N50, 3/4"
- ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2 " (OUTSIDE SHOULDER UNDER THE BRIDGES)

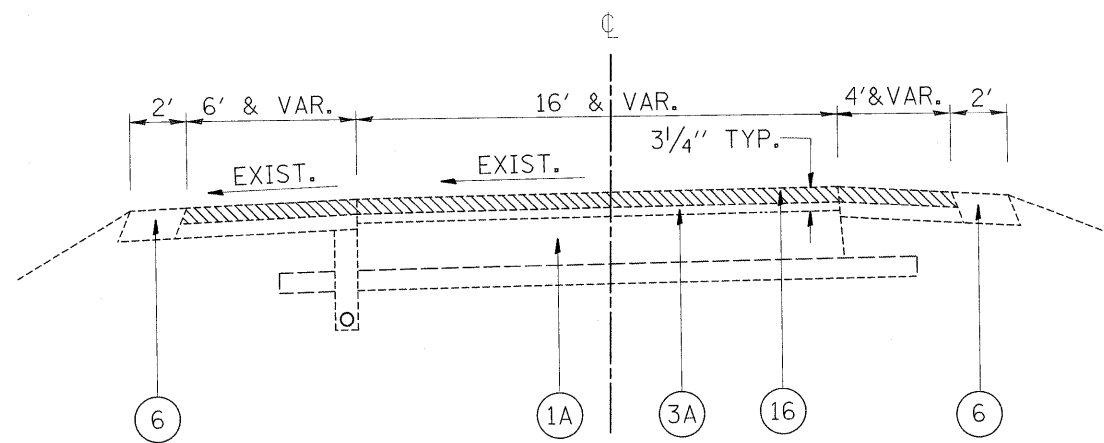
NOTE:

- CONTRACTOR SHALL PATCH BEFORE MILLING
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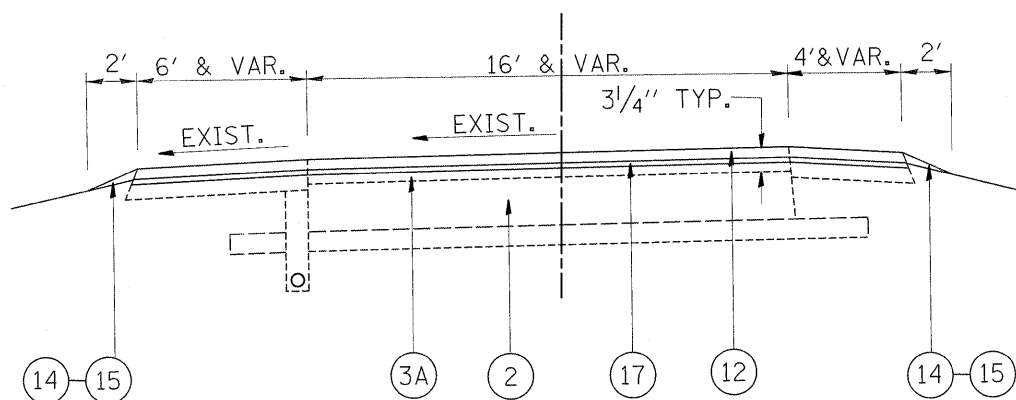
HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
MIXTURE TYPE	AC TYPE	AIR VOIDS(%)
MAINLINE & INSIDE SHOULDER RESURFACING		
POLYMERIZED HMA SURFACE COURSE, STONE MATRIX ASPHALT, N80	SBS PG 76-28/-22	3.5% @ 80 GYR.
POLYMERIZED HMA BINDER COURSE, STONE MATRIX ASPHALT, N80	SBS PG 76-28/-22	3.5% @ 80 GYR.
RAMPS RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4% @ 70 GYR.
POLY. LEVELING BINDER, (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
OUTSIDE SHOULDER RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4% @ 70 GYR.
HOT-MIX ASPHALT BINDER COURSE, N70 (IL-19.0 mm)	PG 64-22*	4% @ 70 GYR.
PATCHING		
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	PG 64-22*	4% @ 70 GYR.

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN. USED 135 LBS/SQ YD/IN FOR STONE MATRIX ASPHALT SURFACE.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.



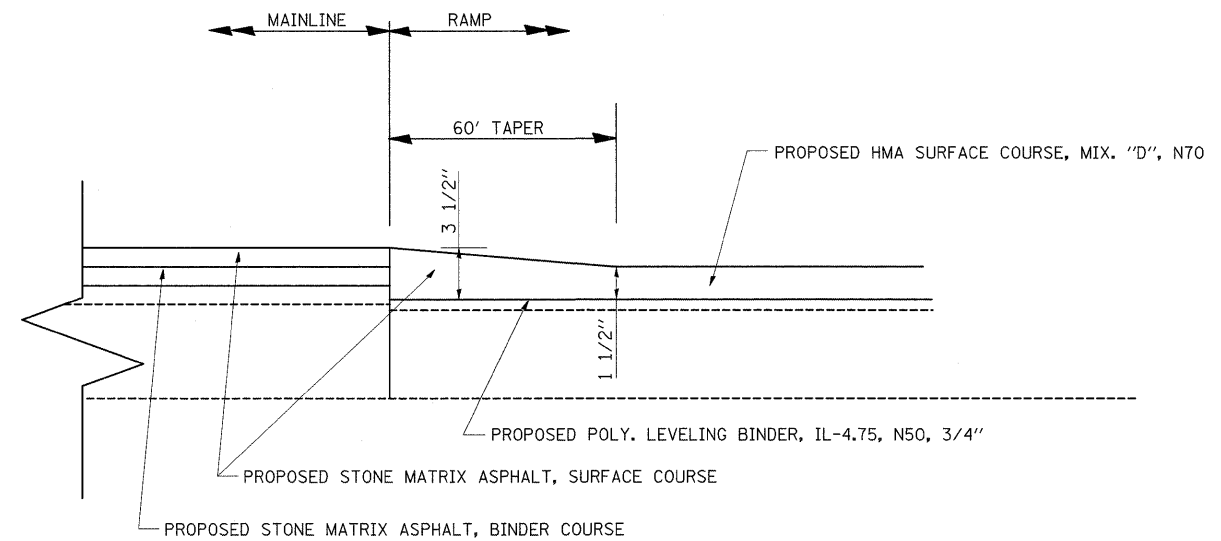
EXISTING TYPICAL SECTION FOR RAMPS



PROPOSED TYPICAL SECTION FOR RAMPS

LEGEND

- ① EXISTING CRC PAVEMENT, ± 9"
- ①A EXISTING P.C.C PAVEMENT, ± 10"
- ② EXISTING STABILIZED SUB-BASE, 4"
- ③ EXISTING HOT-MIX ASPHALT SURFACE (AFTER MILLING), ± 1 1/2 "
- ③A EXISTING HOT-MIX ASPHALT SURFACE (AFTER MILLING), 1"
- ④ EXISTING HOT-MIX ASPHALT SHOULDER
- ⑤ EXISTING STABILIZED SHOULDER
- ⑥ EXISTING AGGREGATE SHOULDER TYPE "B"
- ⑦ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
- ⑧ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ⑨ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑪ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19, N70, 2 1/4"
- ⑫ PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX. "D", N70, 1 1/2"
- ⑬ PROPOSED SHOULDER RUMBLE STRIP
- ⑭ PROPOSED AGGREGATE WEDGE SHOULDER, TYPE "B"
- ⑮ PROPOSED GRADING AND SHAPING SHOULDER
- ⑯ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- ⑰ PROPOSED POLYMERIZED LEVELING BINDER, IL-4.75, N50, 3/4"
- ⑱ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2 " (OUTSIDE SHOULDER UNDER THE BRIDGES)



DETAIL FOR MAINLINE AND RAMP TRANSITION

NOTE:

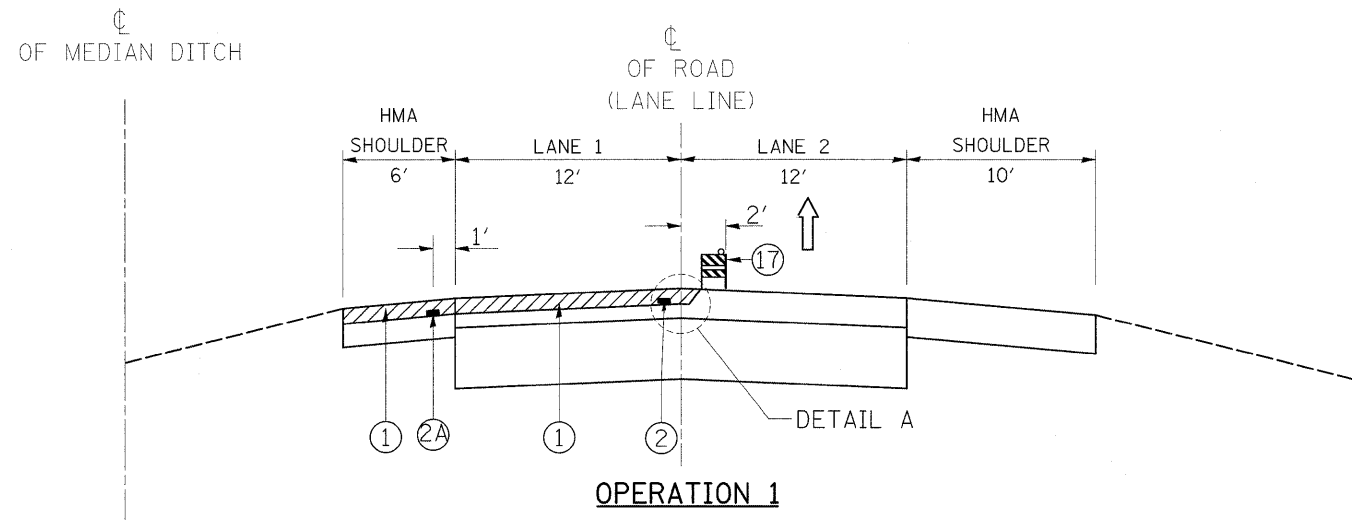
- CONTRACTOR SHALL PATCH BEFORE MILLING
- PP-3 CONCRETE SHALL BE USED FOR CLASS A PATCHES AND ALL PATCHES SHALL BE IN PLACE NO LATER THEN 3:00 PM SATURDAY

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 57 TYPICAL SECTION FOR RAMPS		F.A.I. RTE. 57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 6	
c:\pwork\pwork\DOT\ABEBAWA\0142330\017509.sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60H57			
PLOT SCALE = 50.0000 ' / IN.		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT DATE = 7/15/2009		DATE -	REVISED -									

PRE-OPERATION 1

PATCHING WORK TO BE DONE BEFORE MILLING

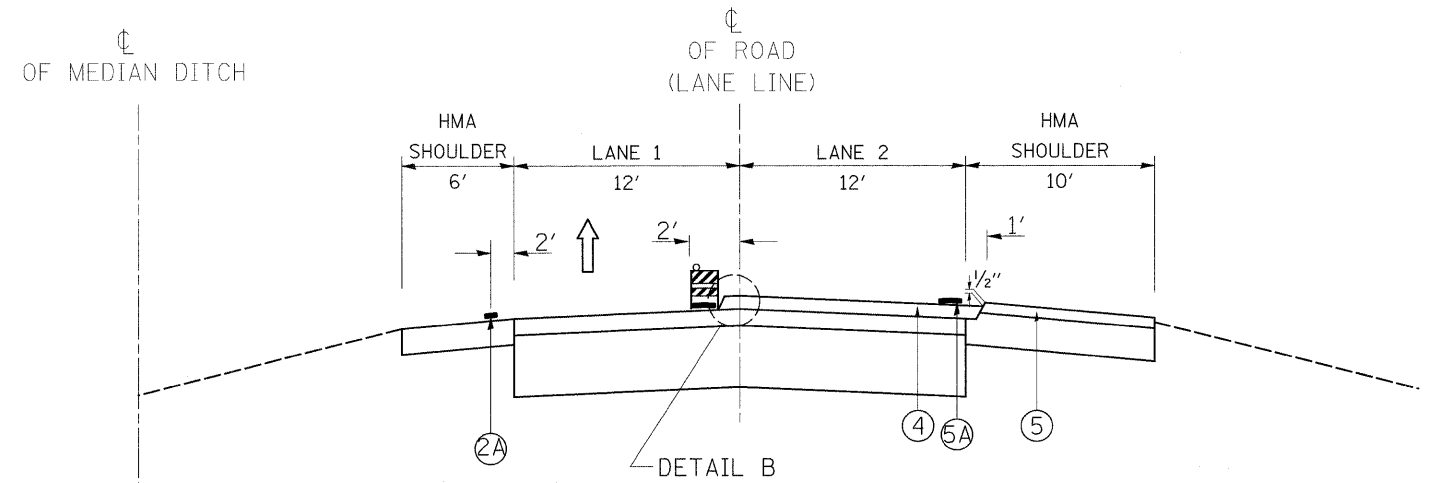
IL.-57 (SOUTH BOUND) & (NORTH BOUND)



OPERATION 1

- ① MILL 2" LANE 1 & MILL 2" INNER SHOULDER.
- ② EPOXY PAVEMENT MARKING, 5" WHITE LANE LINE (SKIP-DASH)
- 2A EPOXY PAVEMENT MARKING, 4" YELLOW (EDGE LINE)

IL.-57 (SOUTH BOUND) & (NORTH BOUND)

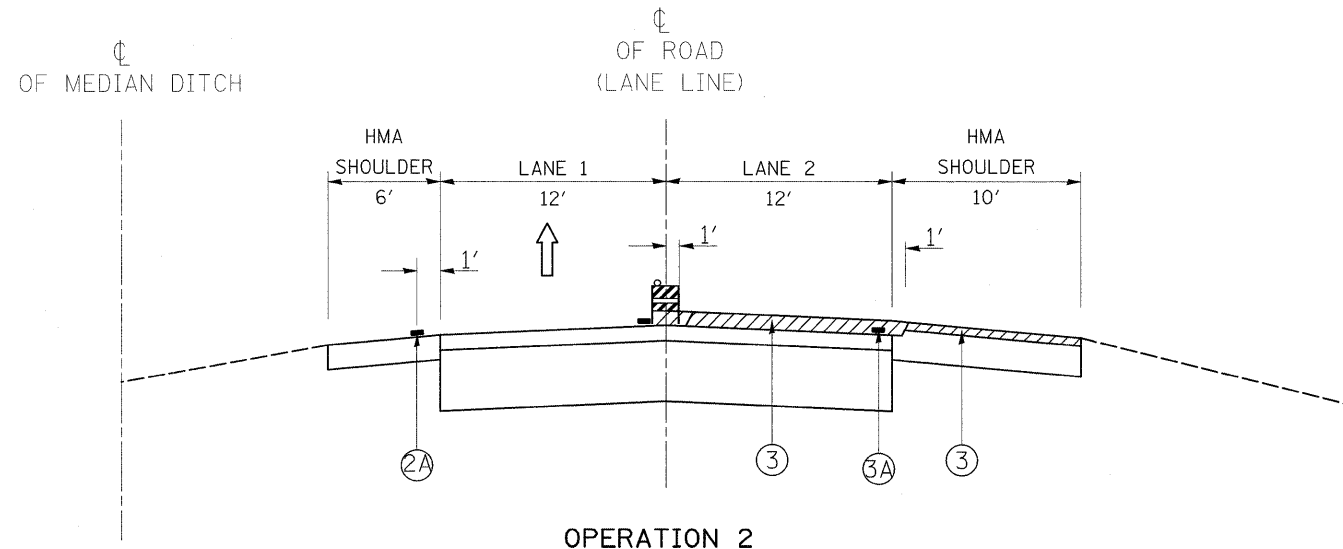


OPERATION 3

- ④ PLACE POLYMERIZED SMA BINDER COURSE 2" ON LANE 2
- * ⑤ PLACE HMA BINDER COURSE 2 1/4" ON OUTER SHOULDER
- 5A WET REFLECTIVE TEMPORARY TAPE, TYPE III, 4" (EDGE LINE)
- 5B WET REFLECTIVE TEMPORARY TAPE, TYPE III, 5" LANE LINE (SKIP-DASH)

* SEE NOTE #5 ON SHEET 10

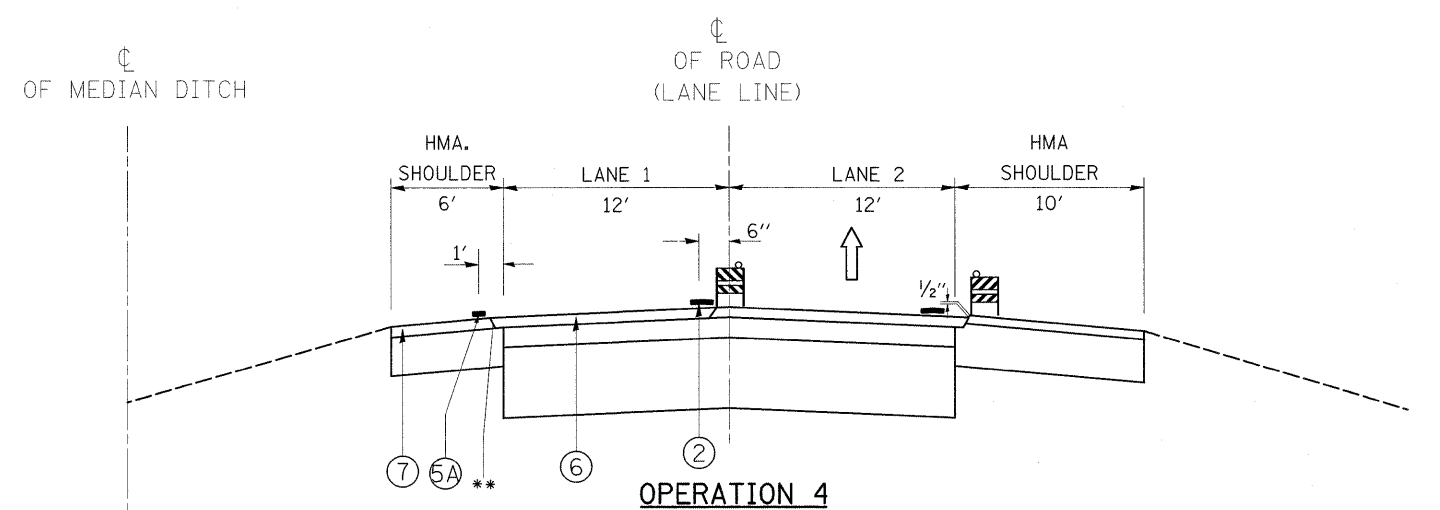
IL.-57 (SOUTH BOUND) & (NORTH BOUND)



OPERATION 2

- ③ MILL 2" LANE 2 & MILL 1 3/4" OUTER SHOULDER.
- 3A EPOXY PAVEMENT MARKING, 4" WHITE (EDGE LINE)

IL.-57 (SOUTH BOUND) & (NORTH BOUND)



OPERATION 4

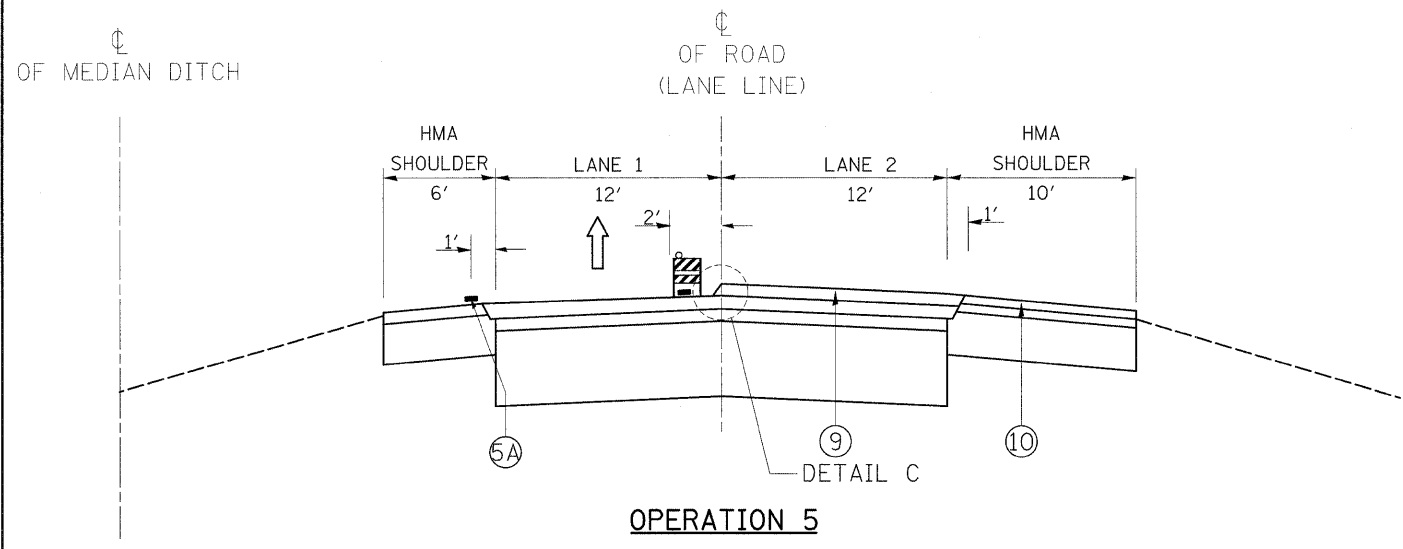
- ⑥ PLACE POLYMERIZED SMA BINDER COURSE 2" ON LANE 1
- ⑦ PLACE POLYMERIZED SMA BINDER COURSE 2" ON INNER SHOULDER

** OPTIONAL JOINT

NOTE:

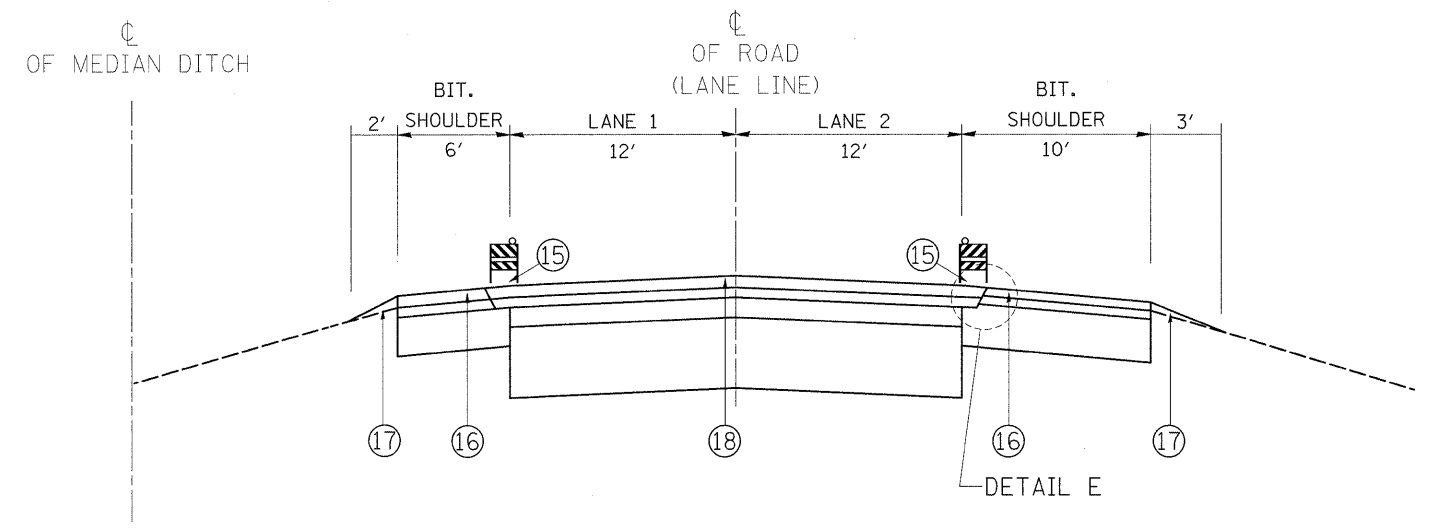
BARRICADES/DRUMS TO BE PLACED ON THE SHOULDER WITHIN 2' OF THE EDGE OF THE PAVEMENT DURING NON-WORKING HOURS

FILE NAME =	USER NAME = abebwa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 57 SUGGESTED SEQUENCE OF OPERATIONS		F.A.I. RTE. 57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 8	
ct:\pwork\pwork\ABE9AW\ad142330\017509-sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60H57			
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



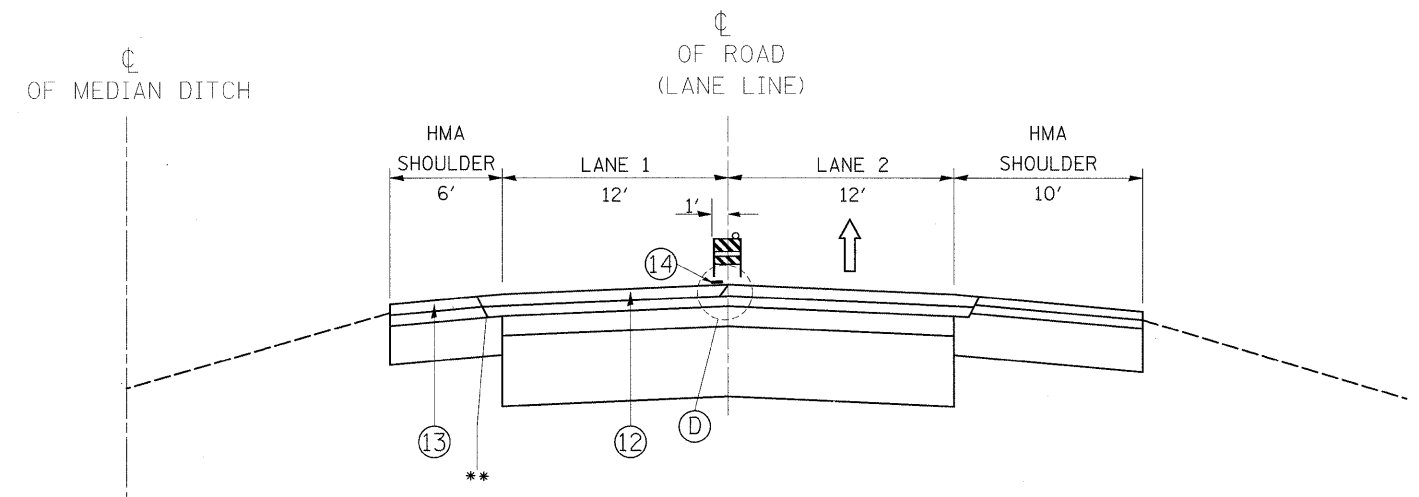
OPERATION 5

- ⑨ RESURFACING WITH SMA SURFACE COURSE 2" ON LANE 2.
- ⑩ RESURFACING WITH HOT-MIX ASPHALT SURFACE COURSE 1 1/2" ON THE OUTER SHOULDER.
- ⑪ PAVEMENT MARKING TAPE, TYPE III



OPERATION 7

- ⑮ FINAL PAVEMENT MARKING WITH THERMOPLASTIC PAVEMENT MARKING, LINE 4"
- ⑯ INSTALL RUMBLE STRIPS ON INNER AND OUTER SHOULDER AS PER DETAIL ON PLAN.
- ⑰ PLACE AGGREGATE WEDGE SHOULDER, TYPE B.
- ⑱ PLACE RAISED REFLECTIVE PAVEMENT MARKERS AT LANE LINE AND RAMPS.



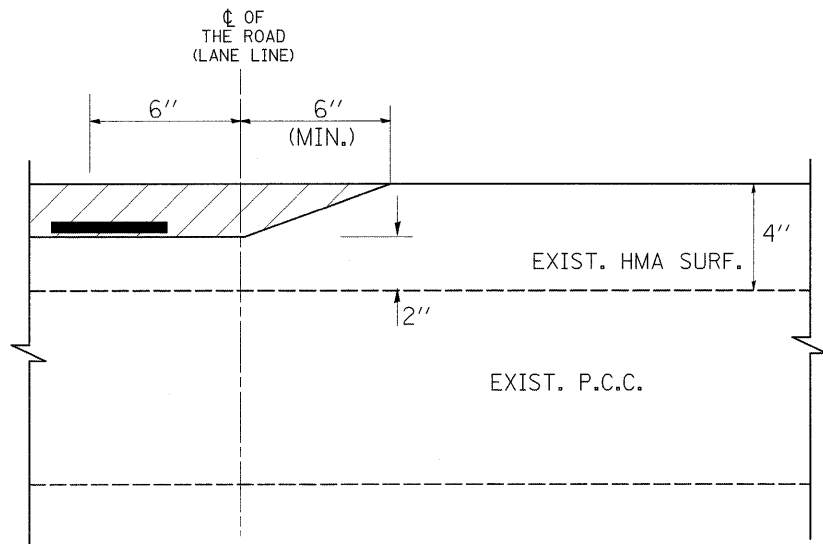
OPERATION 6

- ⑫ RESURFACING WITH SMA SURFACE COURSE 2" ON LANE 1
- ⑬ RESURFACING WITH SMA SURFACE COURSE 2" ON INNER SHOULDER
- ⑭ FINAL PAVEMENT MARKING WITH PREFORMED PLASTIC PAVEMENT MARKING TYPE B- INLAID-LINE 5"

NOTE:
BARRICADES/DRUMS TO BE PLACED ON THE SHOULDER WITHIN 2' OF THE EDGE OF THE PAVEMENT DURING NON-WORKING HOURS

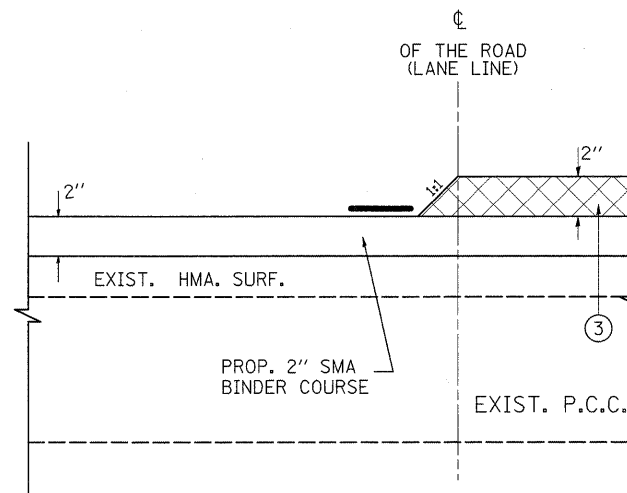
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 57 SUGGESTED SEQUENCE OF OPERATIONS		F.A.I. RTE. 57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 9	
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		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE = 7/15/2009	REVISED -									

MILLING DETAIL



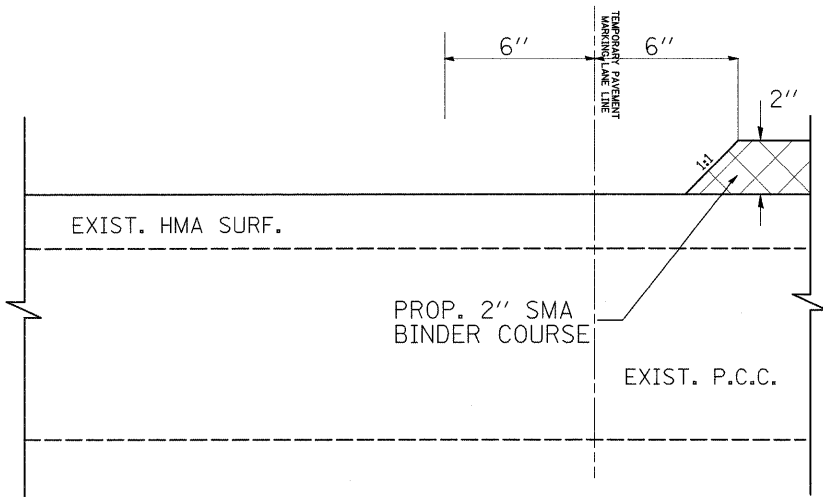
DETAIL 'A' (TYPICAL)

PAVING DETAILS

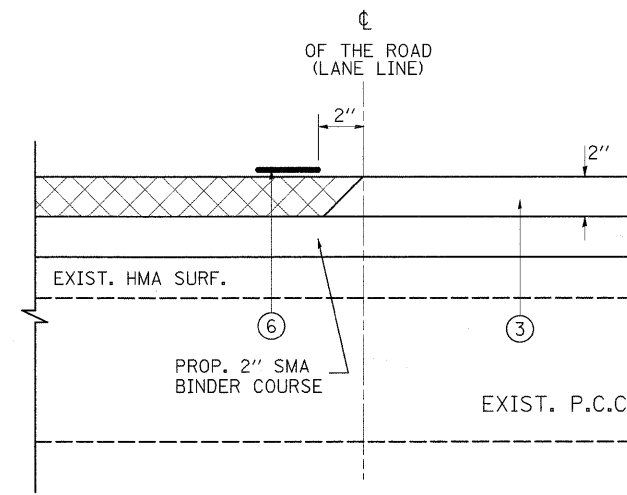


DETAIL 'C' (TYPICAL)

PAVING DETAILS



DETAIL 'B' (TYPICAL)



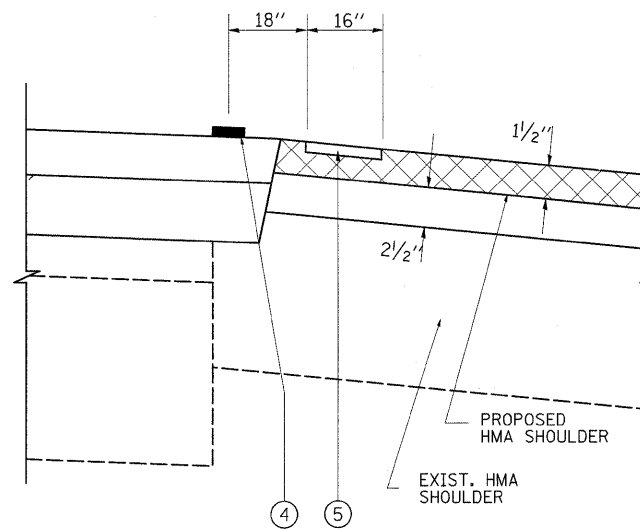
DETAIL 'D' (TYPICAL)

GENERAL NOTES - TRAFFIC CONTROL

1. THE CONTRACTOR SHALL PLACE AND MAINTAIN DRUMS WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS AT 100-FOOT c-c ON THE SHOULDER ADJACENT TO MILLED AREAS. DRUMS WILL REMAIN IN PLACE UNTIL THE PROPOSED SURFACE HAS BEEN PLACED AND EDGE LINES HAVE BEEN INSTALLED.
2. AT THE END OF EACH NIGHTLY SHIFT, THE CONTRACTOR SHALL SWEEP THE PAVEMENT SURFACE CLEAN, PLACE TEMPORARY PAVEMENT MARKING AND REMOVE TRAFFIC CONTROL FOR LANE CLOSURE.
3. THE MILLING REQUIRED TO PLACE A TAPER BETWEEN LANES (SEE DETAILS A, B, C AND D) WILL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL 2".
4. GRADE DIFFERENTIAL BETWEEN PAVED LANES SHALL NOT EXCEED 2".
5. HMA BINDER COURSE MUST BE PLACED ON THE OUTER SHOULDER BEFORE SMA BINDER IS PLACED IN LANE 1 AND HMA SURFACE COURSE MUST BE PLACED ON OUTER SHOULDER BEFORE SMA SURFACE IS PLACED IN LANE 1.

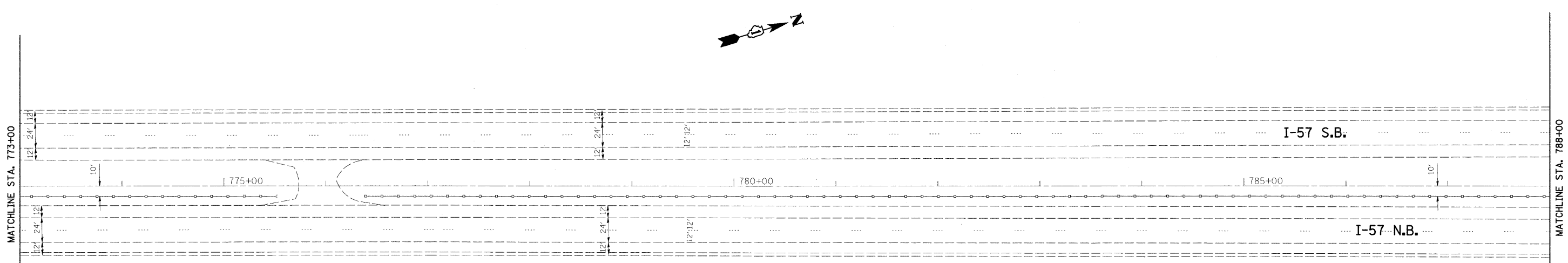
LEGEND FOR DETAILS A, B, C & D

- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- ② PROPOSED EPOXY PAVEMENT MARKING, LINE 5"
- ③ PROPOSED SMA SURFACE COURSE, 2"
- ④ PROPOSED THERMOPLASTIC PAVEMENT MARKING, LINE 4"
- ⑤ PROPOSED RUMBLE STRIP ON SHOULDER
- ⑥ PERFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5"

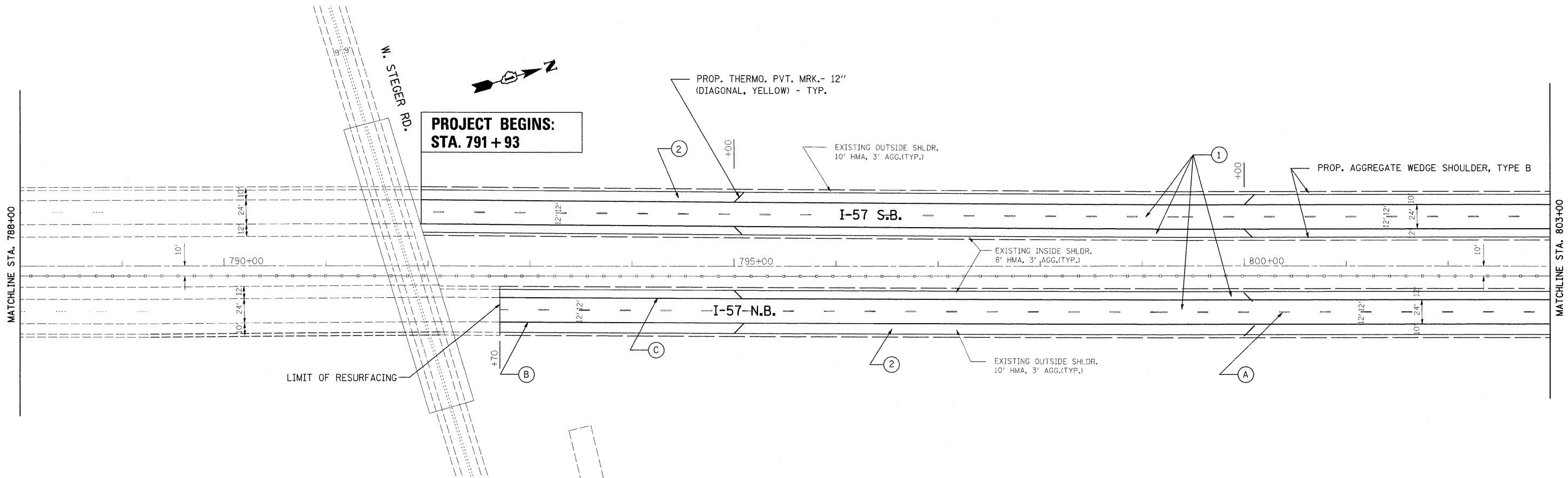


DETAIL 'E' (TYPICAL)

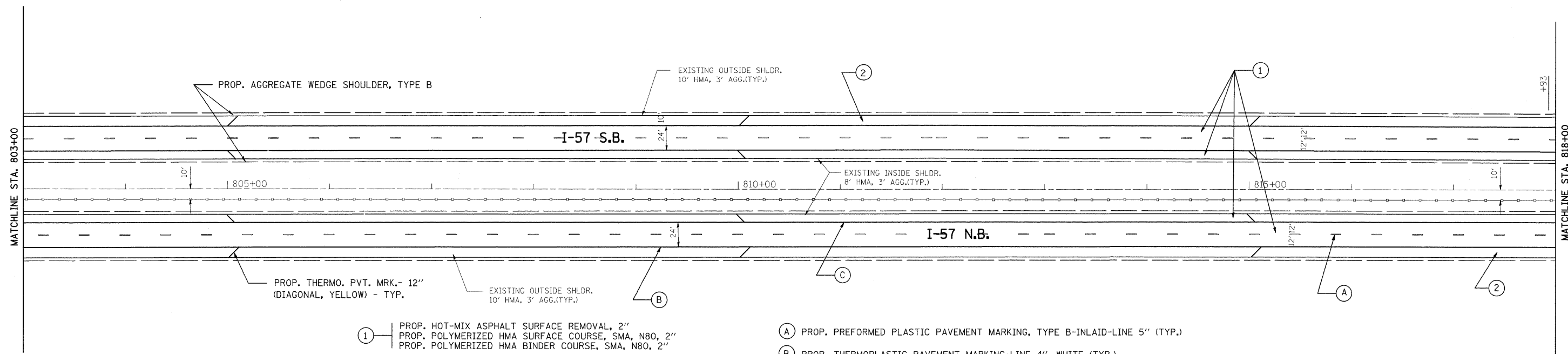
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. ROUTE 57 SUGGESTED SEQUENCE OF OPERATIONS, DETAILS & GENERAL NOTES-TRAFFIC CONTROL		F.A.I. RTE. 57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 10	
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		PLOT SCALE = 50.0000 ' / IN.	CHECKED -		REVISED -				ILLINOIS FED. AID PROJECT			
		PLOT DATE = 7/7/2009	DATE -		REVISED -							



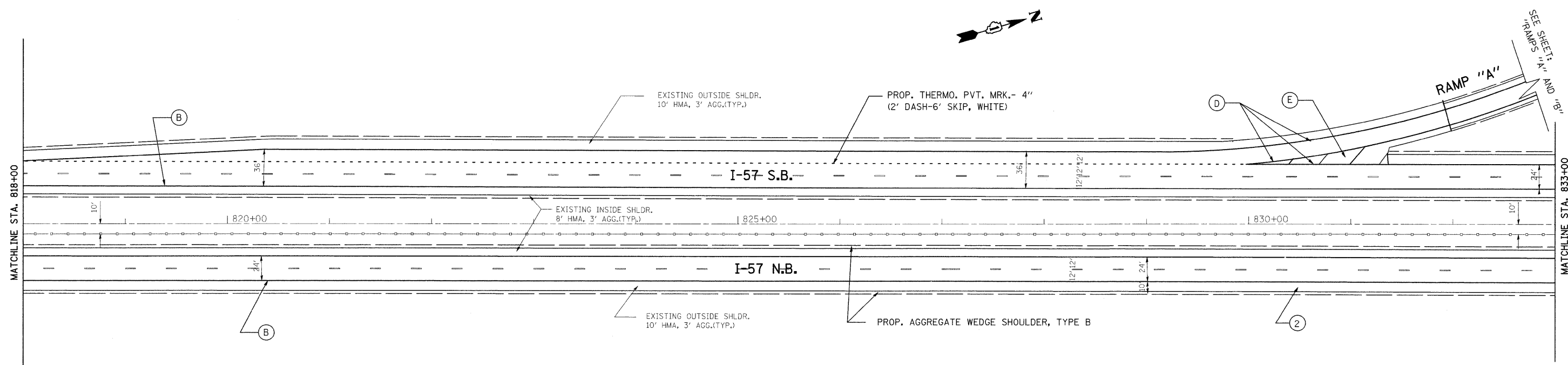
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
oz:\pwork\PIWIDOT\ABEBAWA\0142330\DI75	509-sht-plan.dgn	DRAWN -	REVISED -			I-57	2009-064 RS	COOK	63	11	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 60H57					
PLOT DATE = 7/7/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
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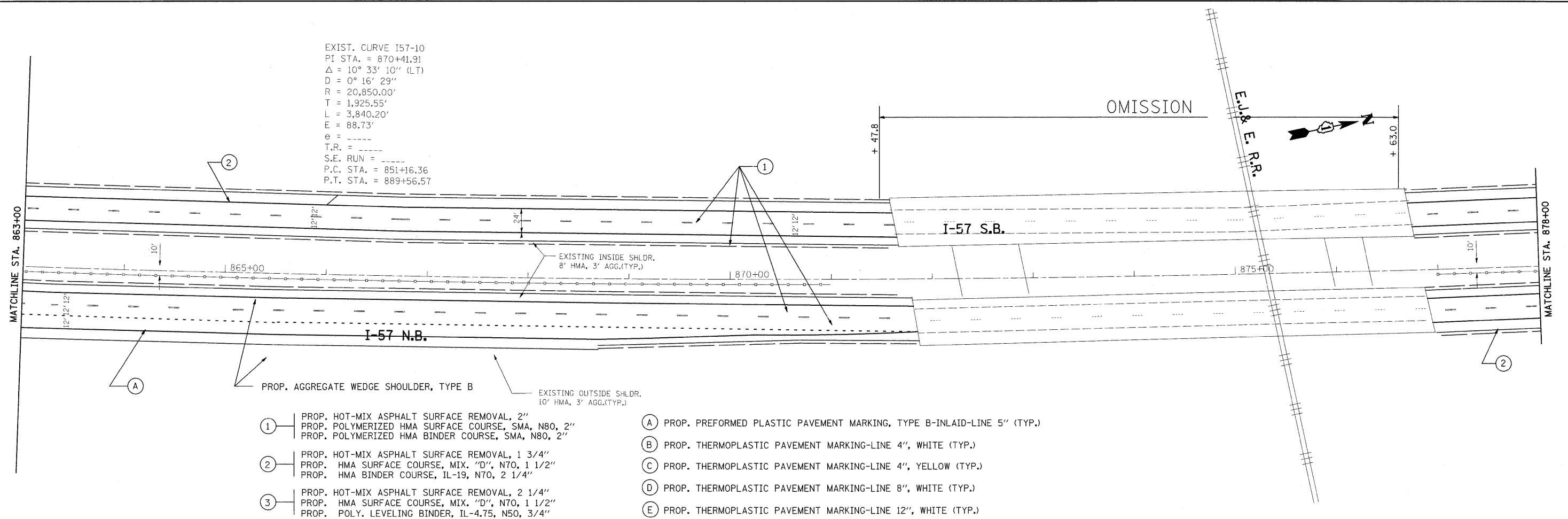


- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

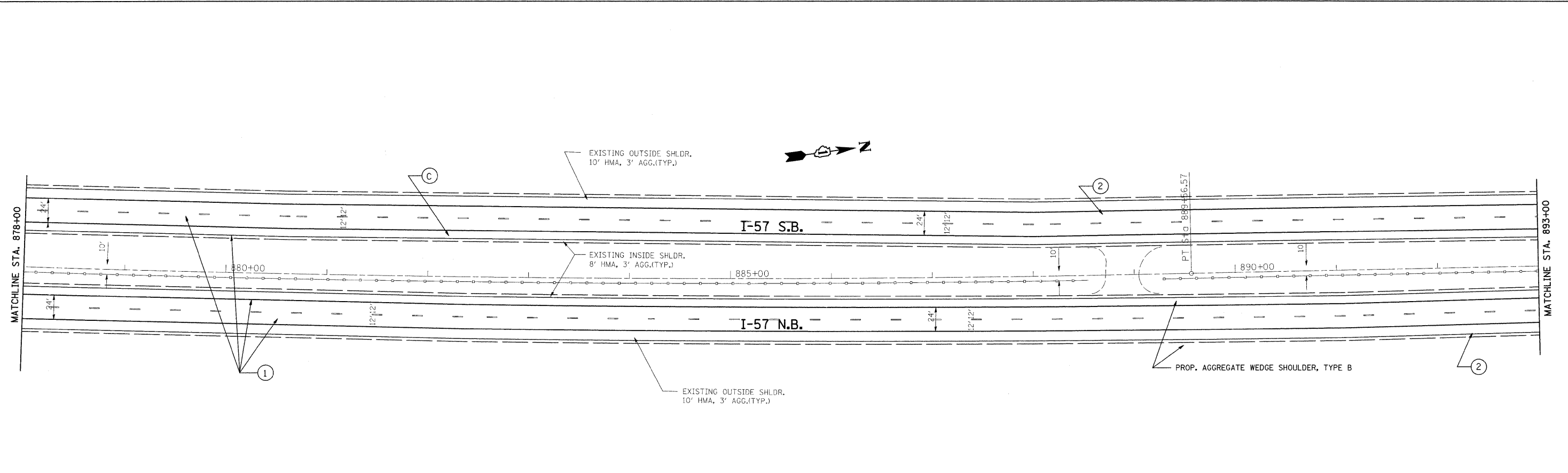


FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -		CONTRACT NO. 60H57									
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT									

EXIST. CURVE I57-10
 PI STA. = 870+41.91
 $\Delta = 10^{\circ} 33' 10''$ (LT)
 $D = 0^{\circ} 16' 29''$
 $R = 20,850.00'$
 $T = 1,925.55'$
 $L = 3,840.20'$
 $E = 88.73'$
 $\phi = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 851+16.36
 P.T. STA. = 889+56.57

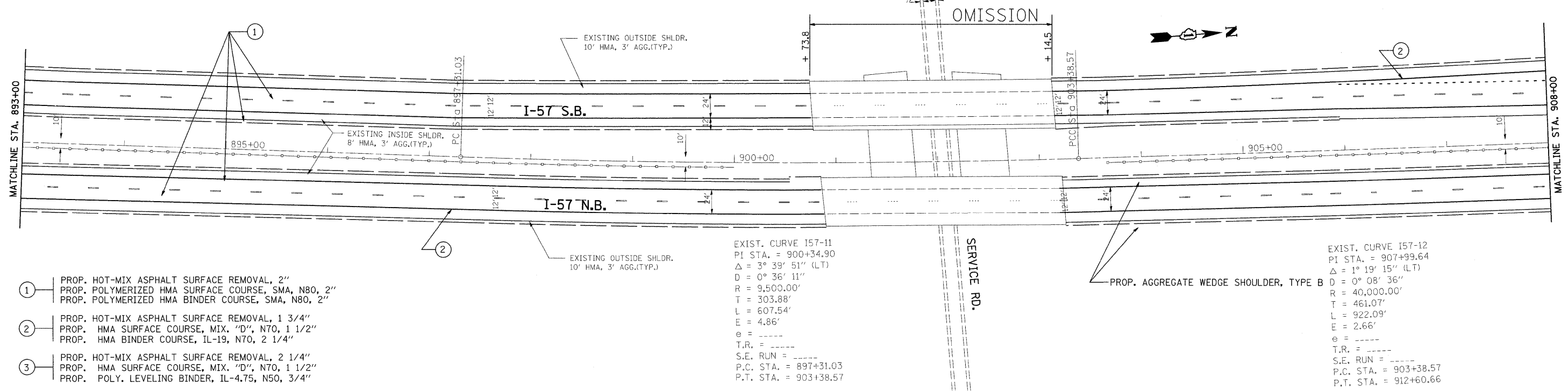


- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
 PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

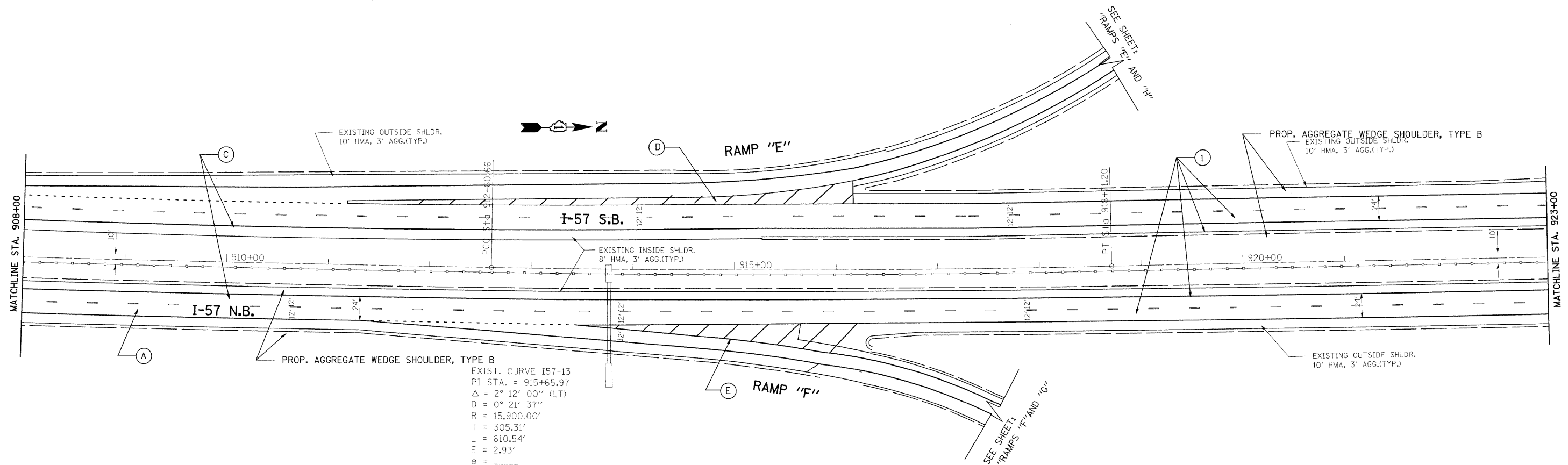


FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 6/29/2009	CHECKED -	REVISED -			CONTRACT NO. 60H57					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
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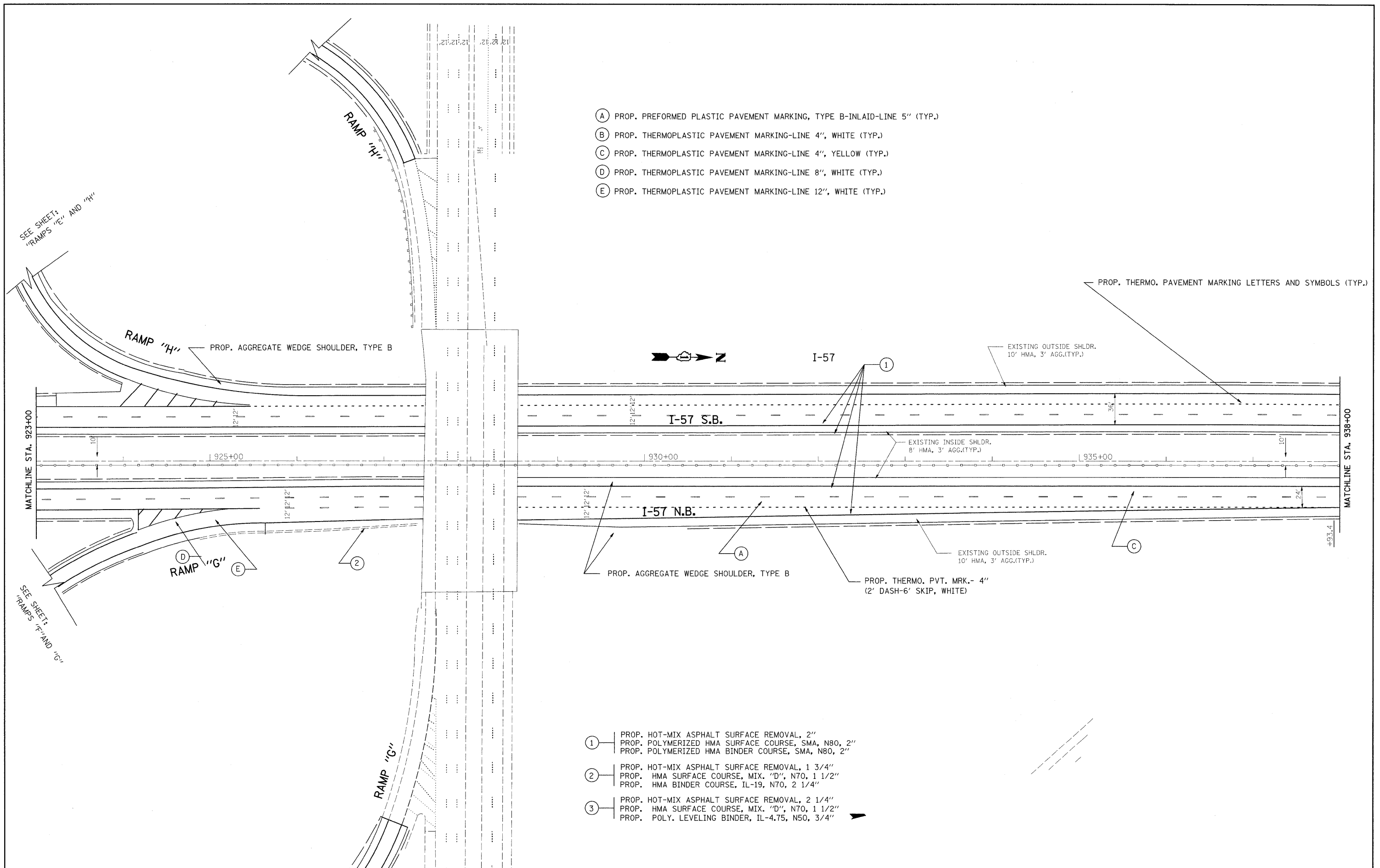
- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
 PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- (3) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"



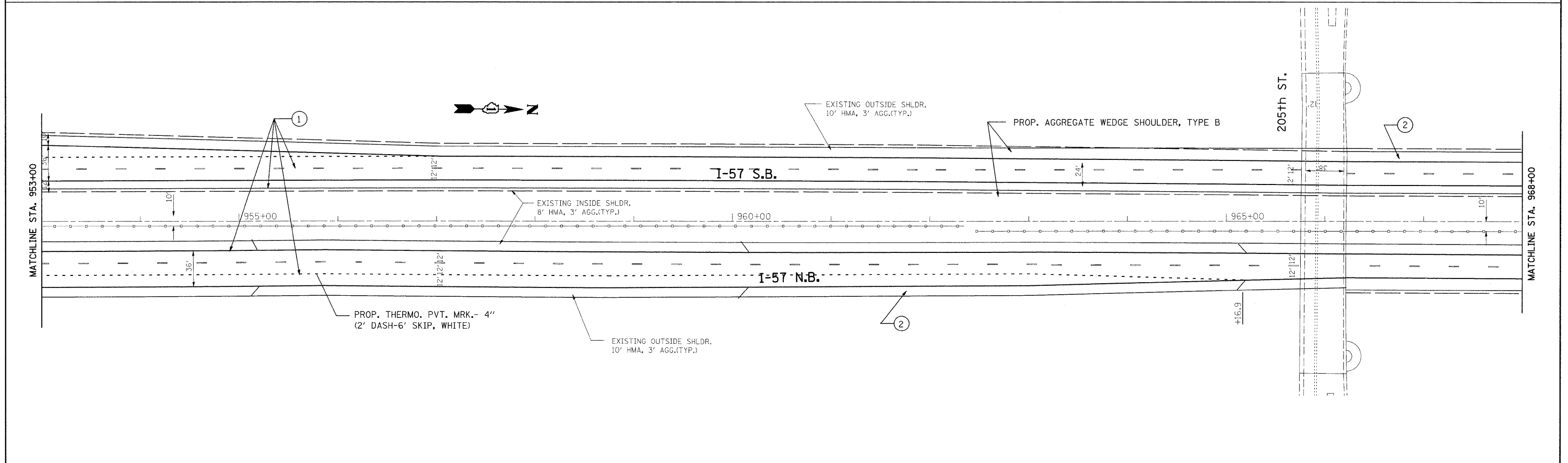
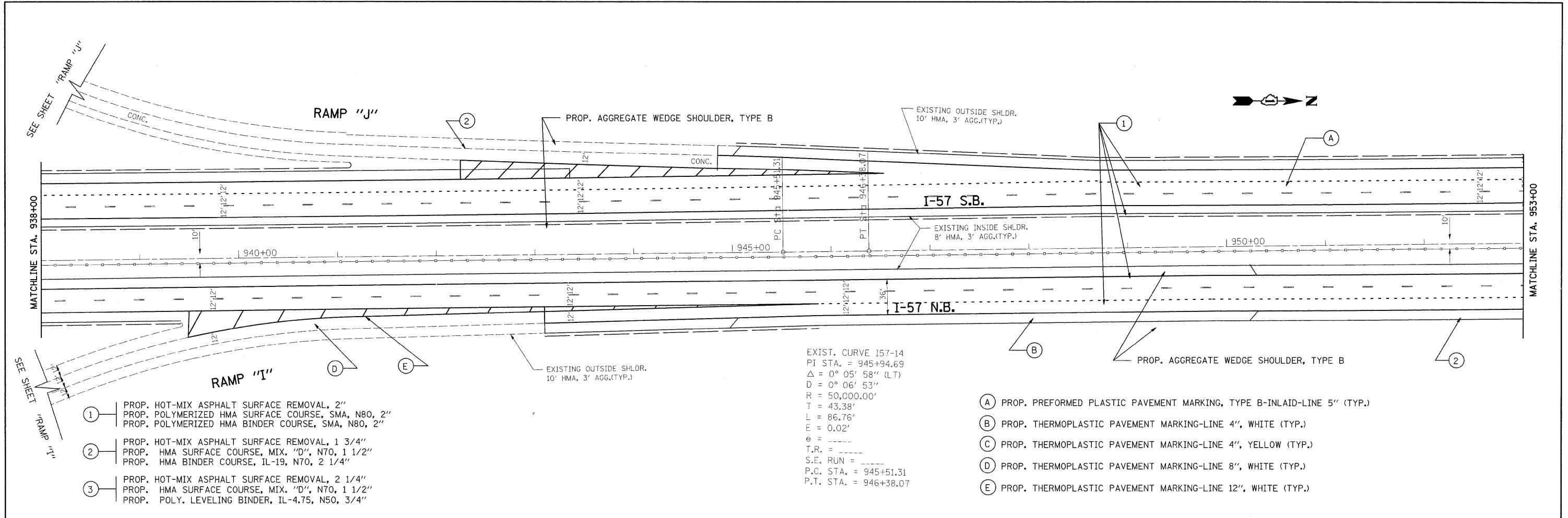
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		DATE -	REVISED -										



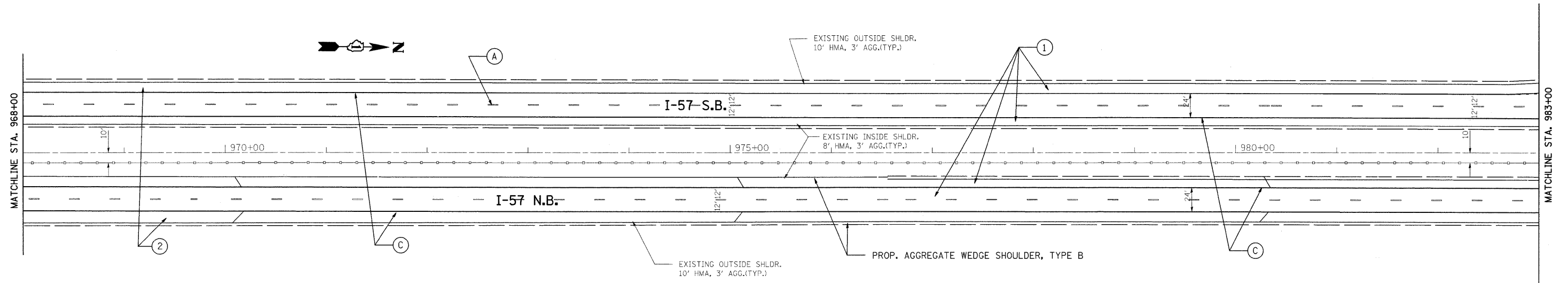
- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- (3) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

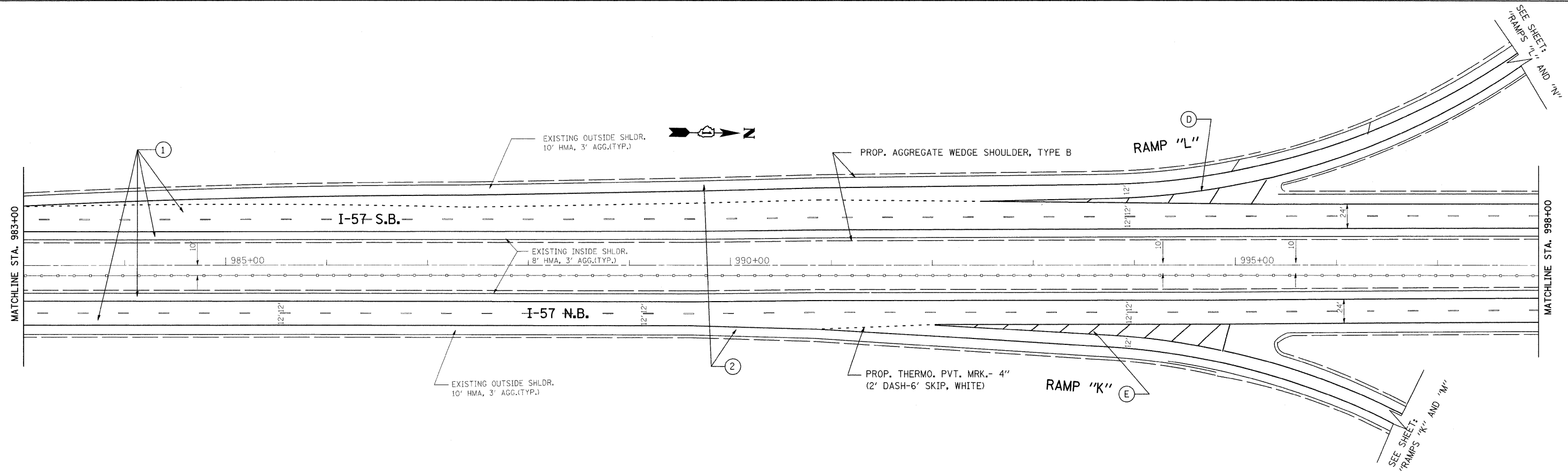
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 6/29/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



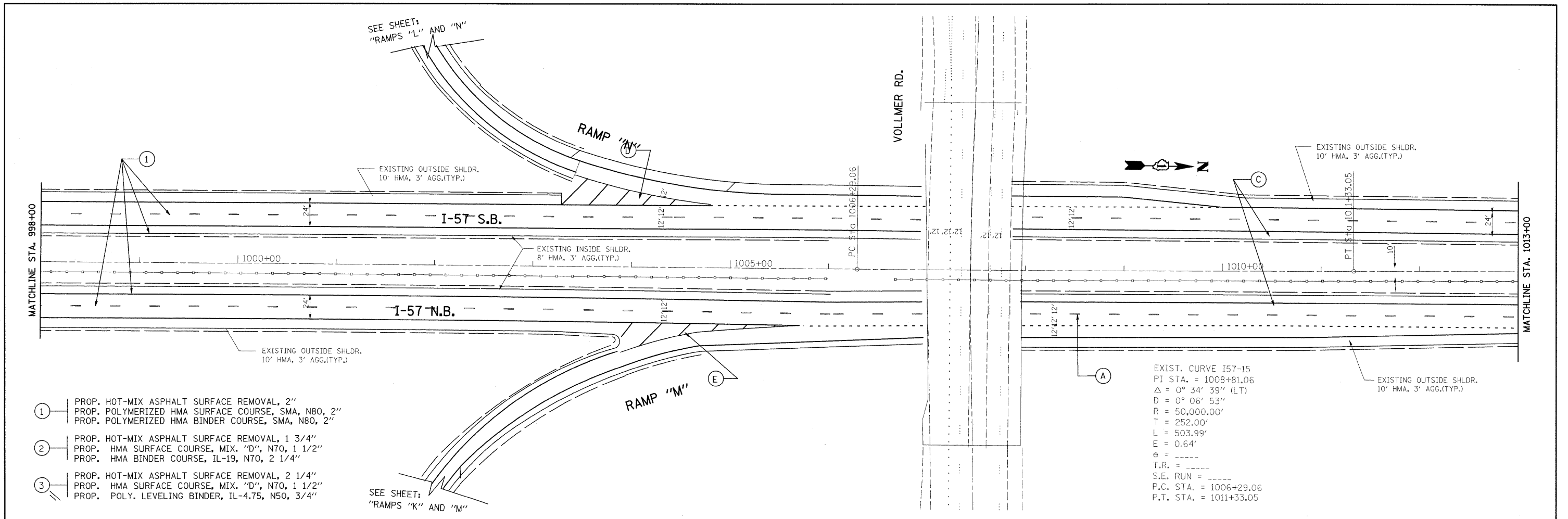
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ci\pw\work\VPWIDOT\ABEBAWA\0142330\017509-shit-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS	FED. AID PROJECT		
		CHECKED -	REVISED -						I-57	2009-064 RS	COOK	63	17	
		DATE -	REVISED -						CONTRACT NO. 60H57					



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

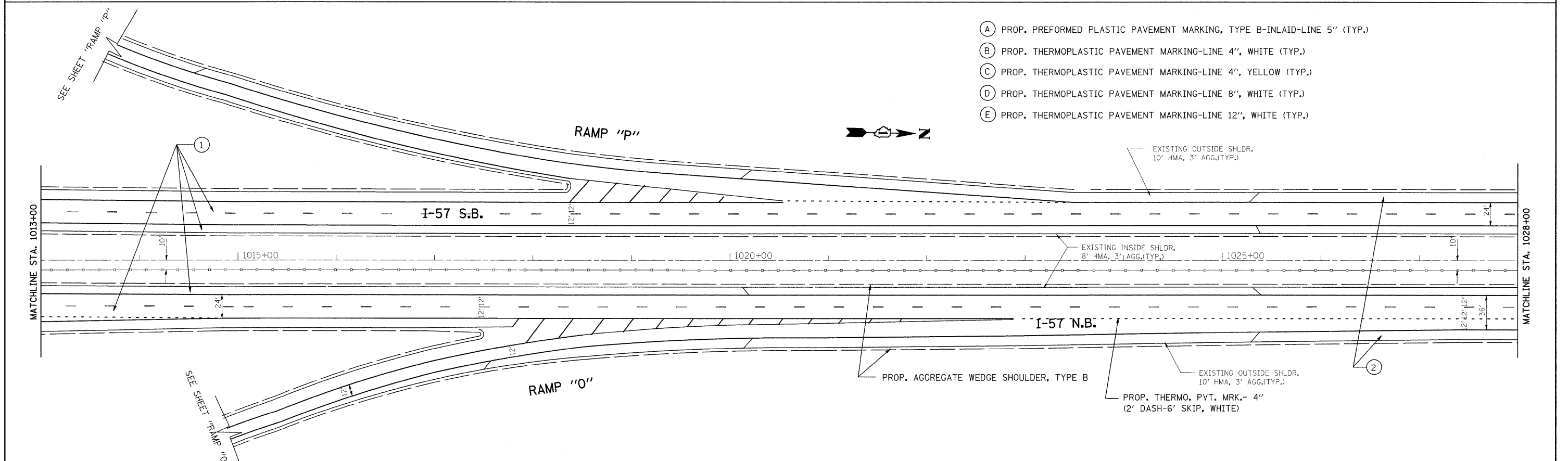


FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\PIWIDOT\ABEBAWA\0142330\0175509-sht-plen.dgn		DRAWN -	REVISED -			I-57	2009-064 RS	COOK	63	18
PLOT SCALE = 50,0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 60H57			ILLINOIS FED. AID PROJECT	
PLOT DATE = 6/29/2009		DATE -	REVISED -			SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

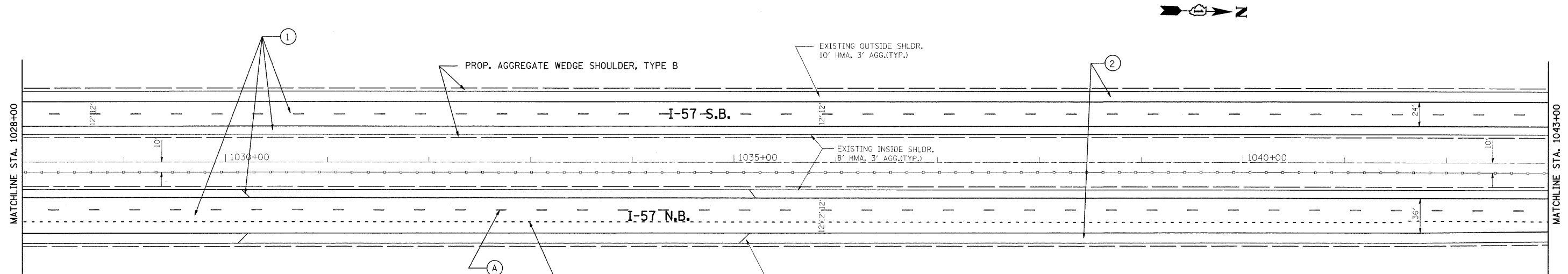


- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
 PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et\pwwork\PWIDOT\ABEBAWA\142330\17509-sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	COOK	63	19
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 60H57								
	PLOT DATE = 6/29/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

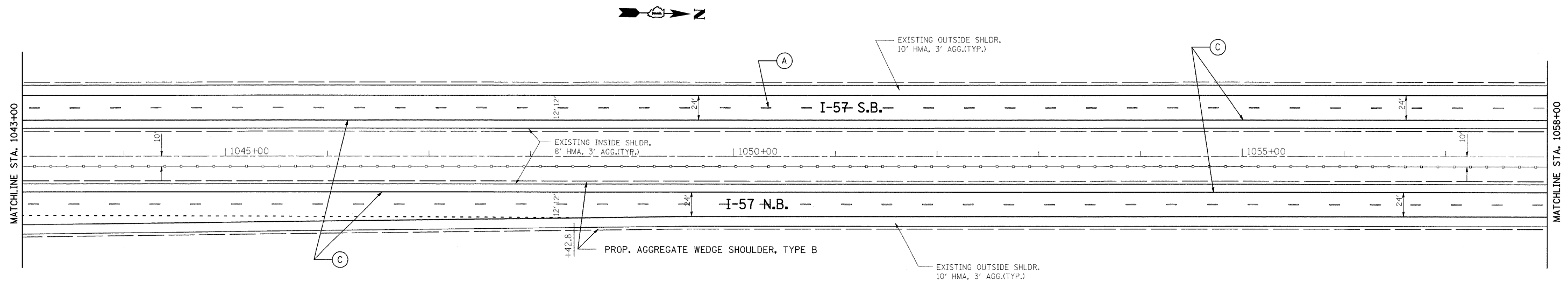


- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

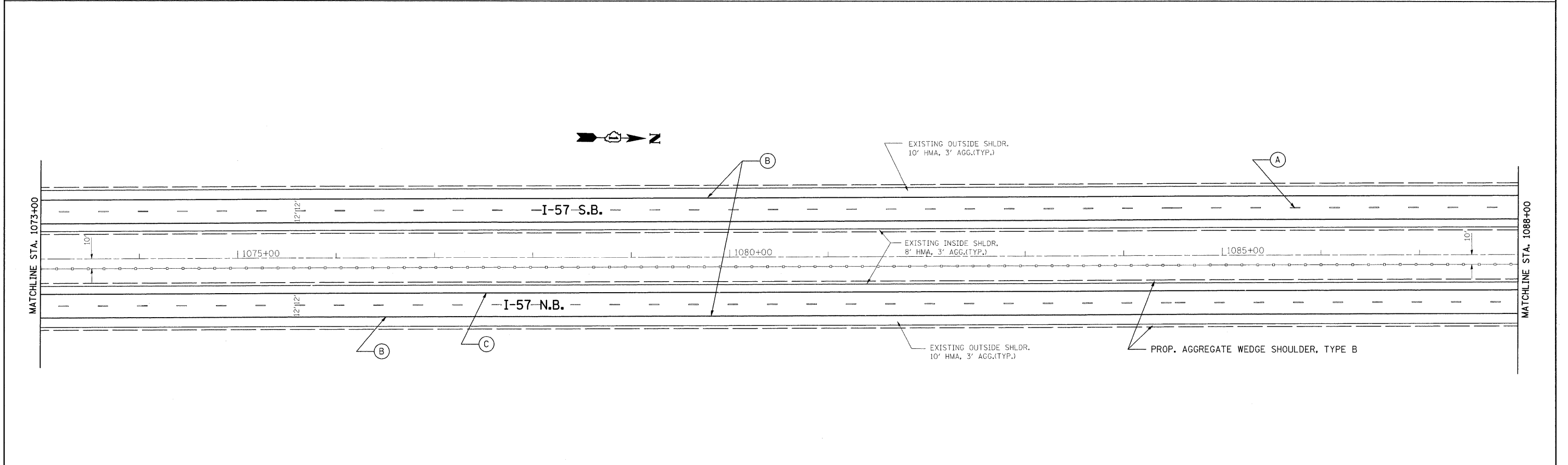
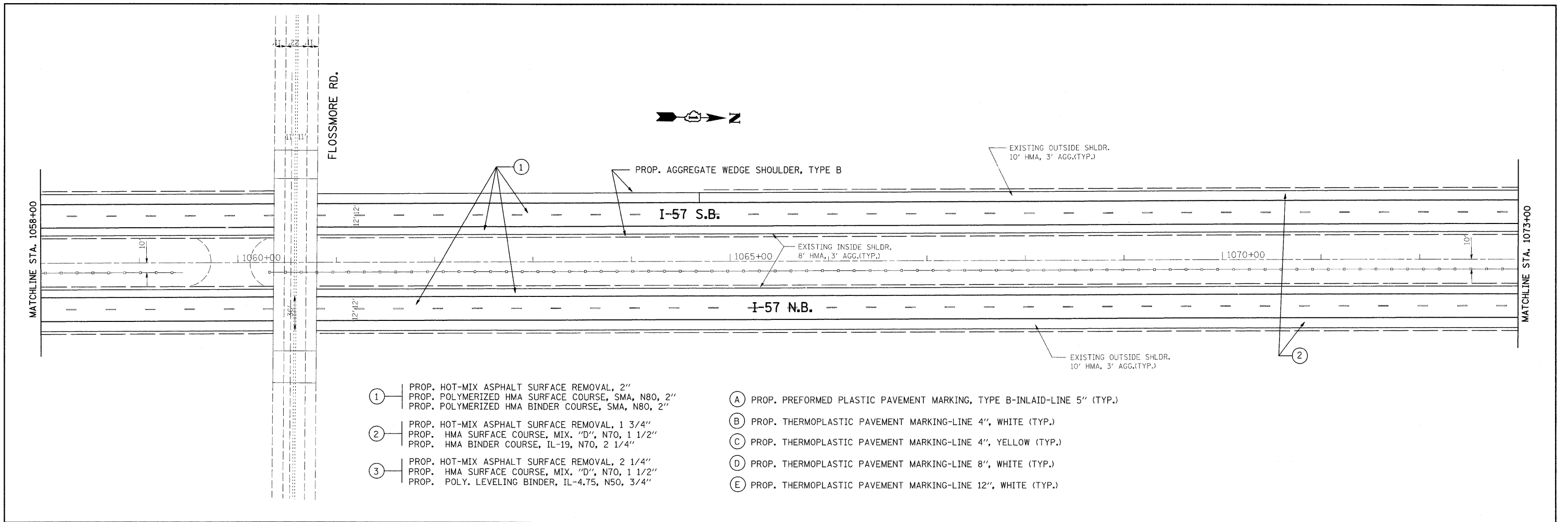
PROP. THERMO. PVT. MRK.- 4"
(2' DASH-6' SKIP, WHITE)

EXISTING OUTSIDE SHLDR.
10' HMA, 3' AGG.(TYP.)

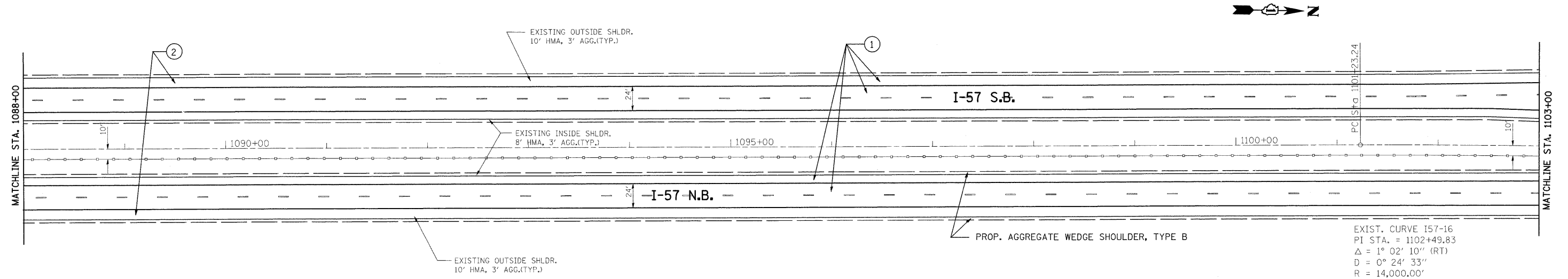
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH			F.A.I RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 20
ct:\pw_work\p\WIDOT\ABEBAWA\0142330\175	529-shr-plen.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60H57	
	PLOT SCALE = 58,0000' / IN.	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
	PLOT DATE = 6/29/2009	DATE -	REVISED -									



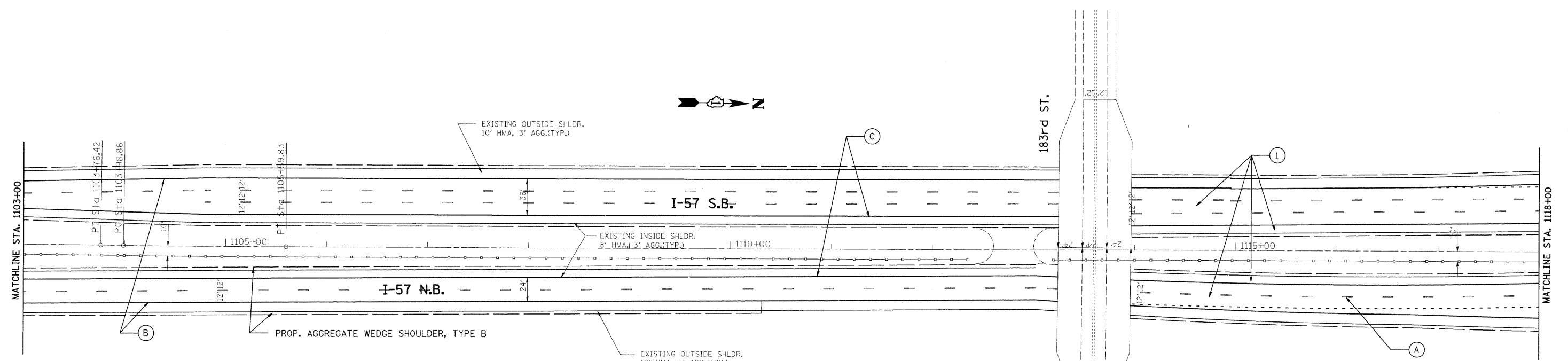
FILE NAME =	USER NAME = abebowa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pw_work\p\WIDOT\ABEBOWA\0142330\0175509-sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	I-57	2009-064 RS	COOK	63	21
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 60H57										
PLOT DATE = 6/29/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT										



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

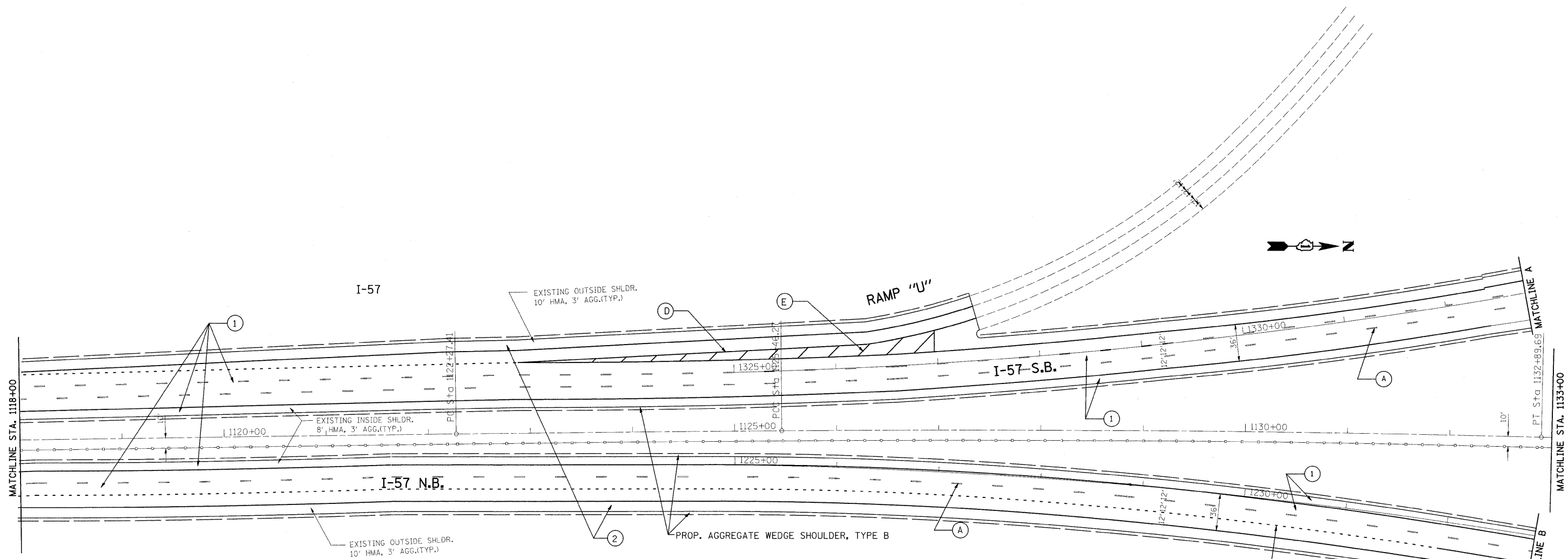
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

EXIST. CURVE I57-16
 PI STA. = 1102+49.83
 $\Delta = 1^\circ 02' 10''$ (RT)
 $D = 0^\circ 24' 33''$
 $R = 14,000.00'$
 $T = 126.60'$
 $L = 253.18'$
 $E = 0.57'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 P.C. STA. = 1101+23.24
 P.T. STA. = 1103+76.42



EXIST. CURVE I57-17
 PI STA. = 1104+79.35
 $\Delta = 0^\circ 36' 54''$ (LT)
 $D = 0^\circ 22' 55''$
 $R = 15,000.00'$
 $T = 80.49'$
 $L = 160.98'$
 $E = 0.22'$

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH				F.A.I. RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 22
SCALE:	SHEET NO. OF SHEETS	DRAWN -	REVISED -		STA. TO STA.	CONTRACT NO. 60H57							
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										



EXIST. CURVE I57-18
 PI STA. = 1123+86.64
 $\Delta = 0^\circ 21' 55''$ (RT)
 $D = 0^\circ 06' 53''$
 $R = 50,000.00'$
 $T = 159.43'$
 $L = 318.86'$
 $E = 0.25'$
 $e =$ -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 1122+27.41
 P.T. STA. = 1125+46.27

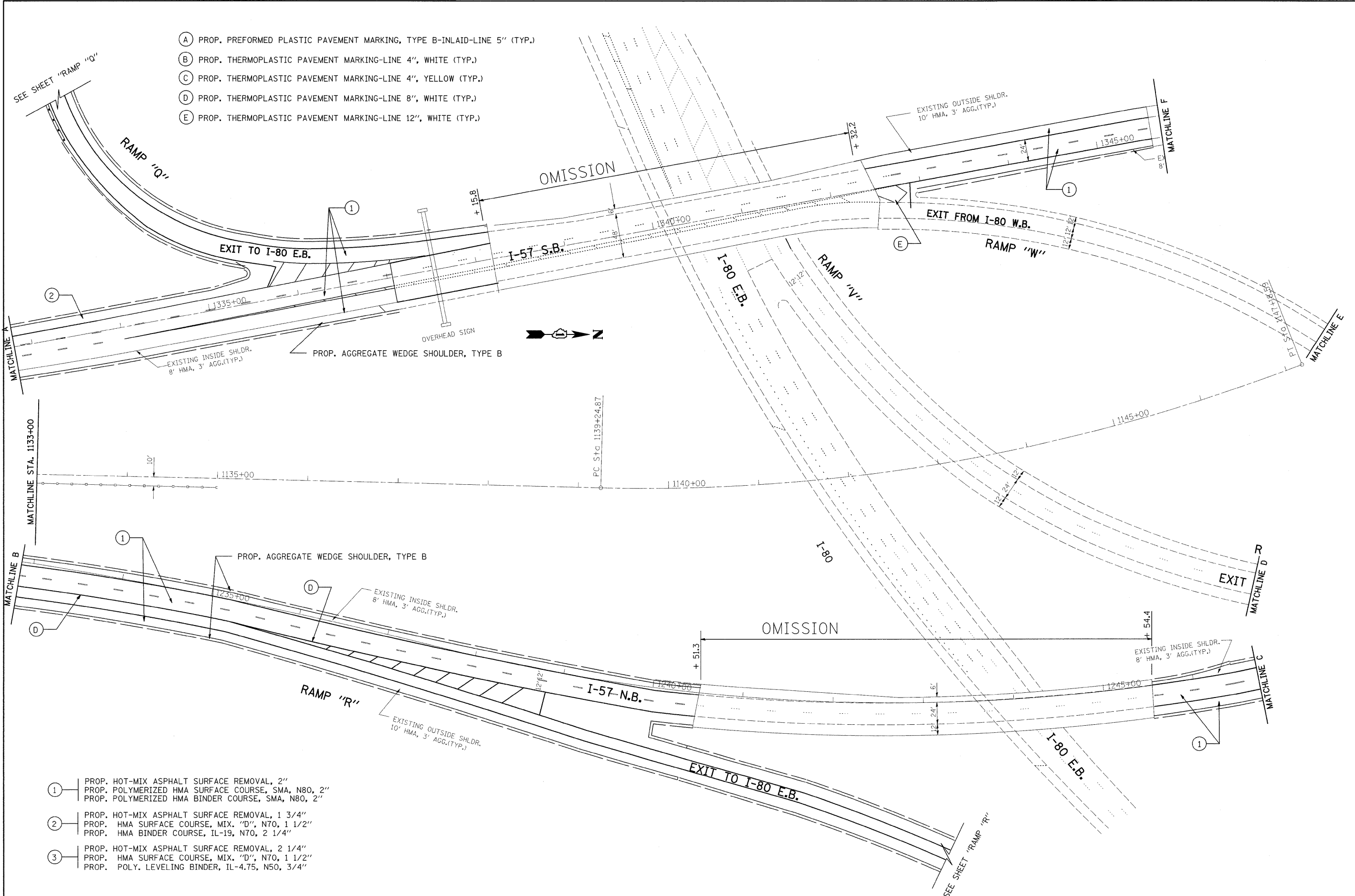
EXIST. CURVE I57-19
 PI STA. = 1129+18.01
 $\Delta = 1^\circ 48' 11''$ (RT)
 $D = 0^\circ 14' 33''$
 $R = 23,625.00'$
 $T = 371.74'$
 $L = 743.42'$
 $E = 2.92'$
 $e =$ -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 1125+46.27
 P.T. STA. = 1132+89.69

- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
 PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

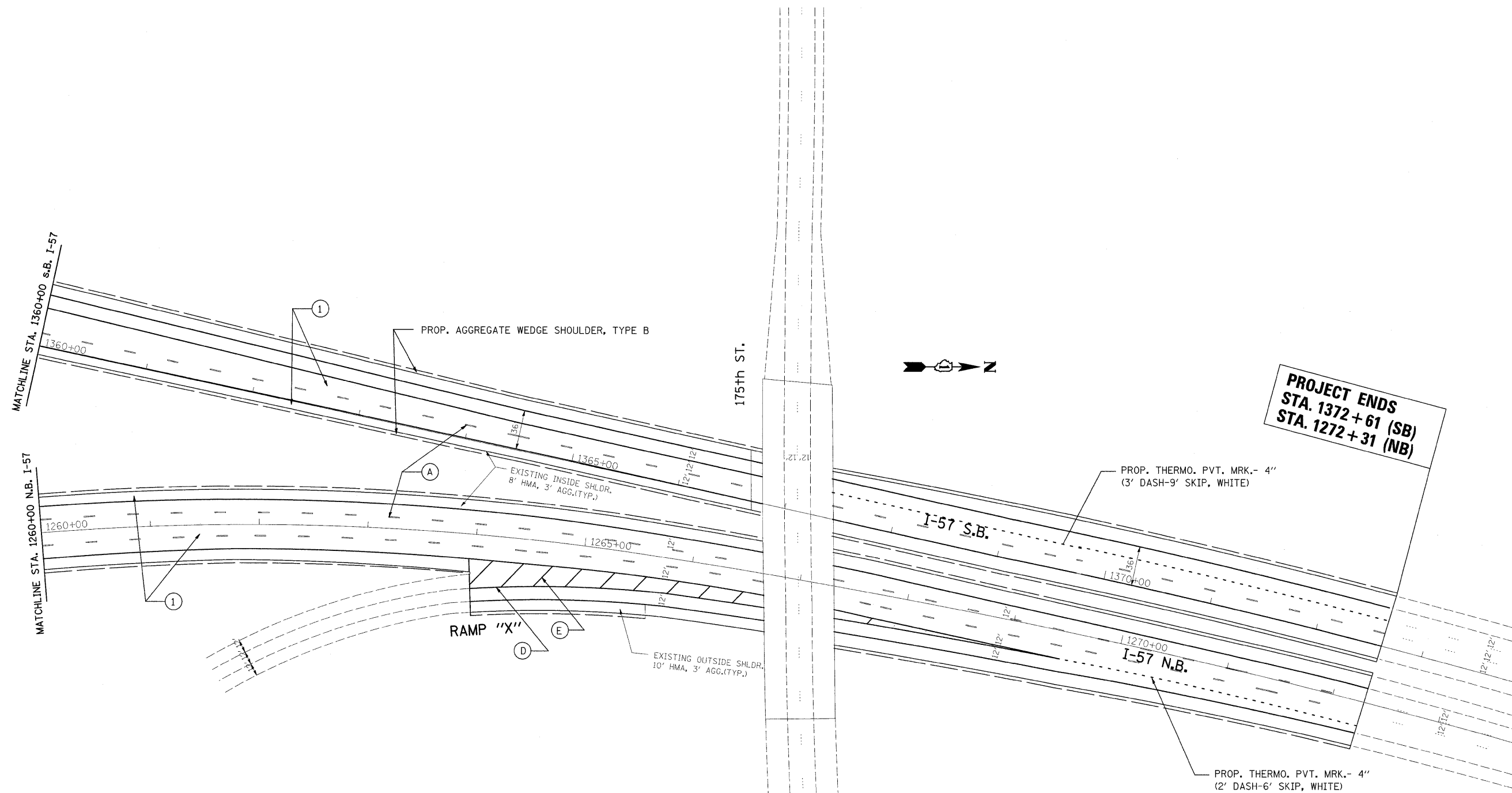
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pwwork\pwwid\ABEBAWA\0142330\017509-sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	63	23
		CHECKED -	REVISED -		CONTRACT NO. 60H57								
		DATE -	REVISED -										

- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- (3) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH			F.A.I RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 24
c:\pw_work\PWIDOT\ABEBAWA\0142330\DI75589-sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60H57	
		CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -									



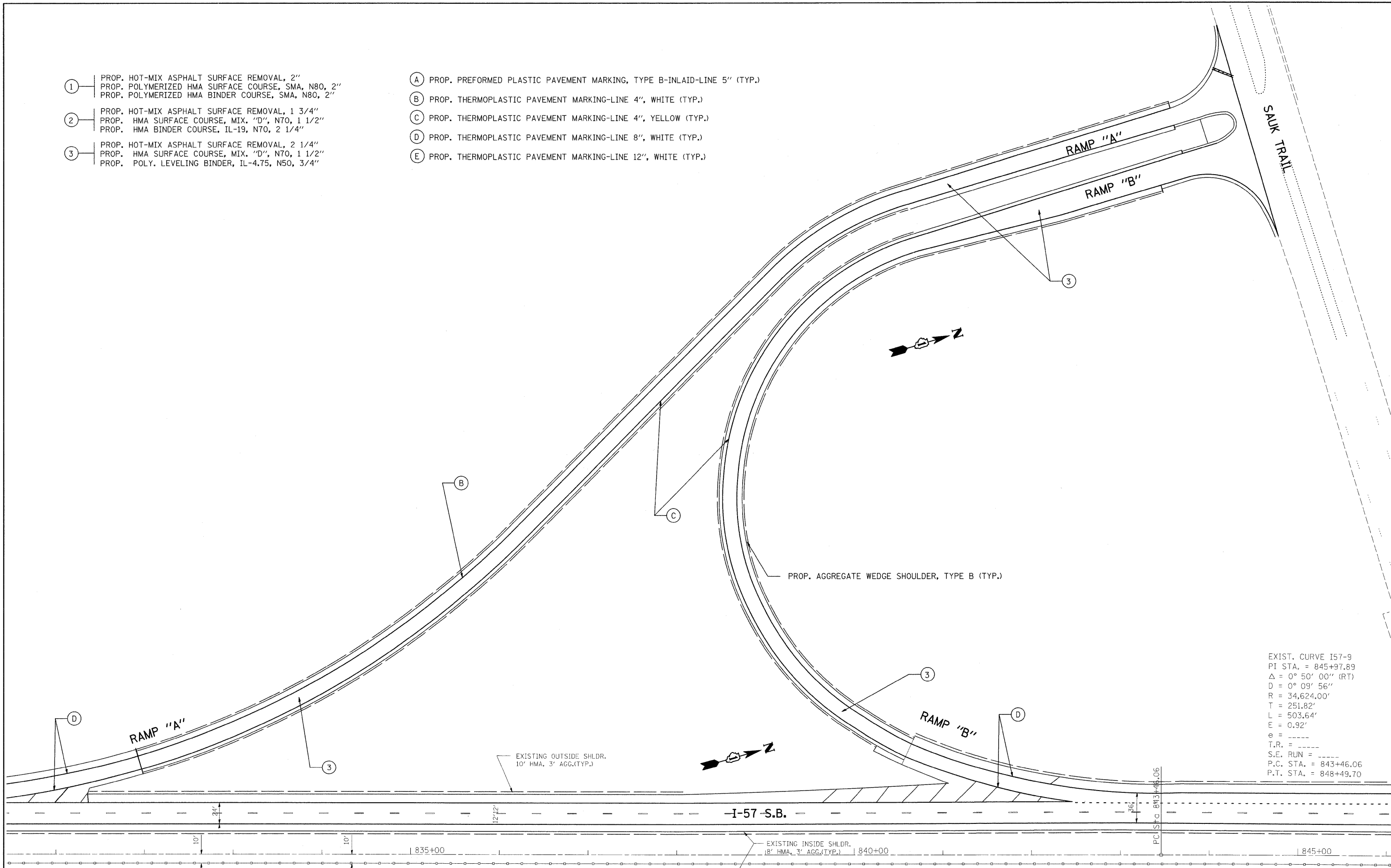
PROJECT ENDS
STA. 1372+61 (SB)
STA. 1272+31 (NB)

- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
 PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"
- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = obebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 WILL COOK CTY. LINE TO 175TH				F.A.I. RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 26
ct:\pw_work\pwsdot\obebawa\d8142330\DI75809-sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60H57		
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										

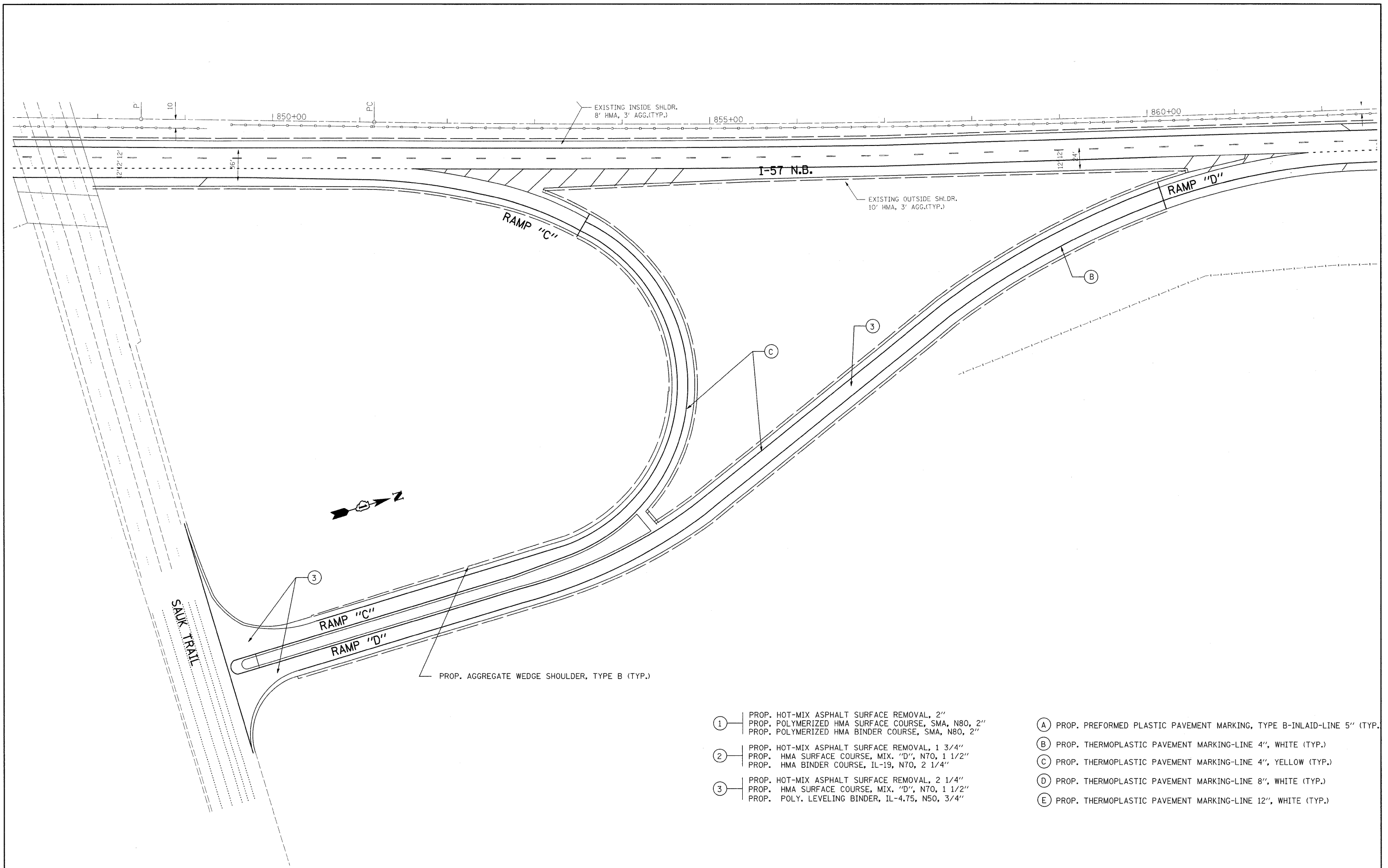
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



EXIST. CURVE I57-9
 PI STA. = 845+97.89
 $\Delta = 0^\circ 50' 00''$ (RT)
 $D = 0^\circ 09' 56''$
 $R = 34,624.00'$
 $T = 251.82'$
 $L = 503.64'$
 $E = 0.92'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 P.C. STA. = 843+46.06
 P.T. STA. = 848+49.70

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 RAMPS "A" AND "B" AT SAUK TRAIL				F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os:\pwork\p\WIDOT\ABEBAWA\0142330\DI75809-sht-plen.dgn		DRAWN -	REVISED -		I-57	2009-064 RS	COOK	63	27				
PLOT SCALE = 50.0000 ' / IN.		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 60H57				
PLOT DATE = 7/7/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



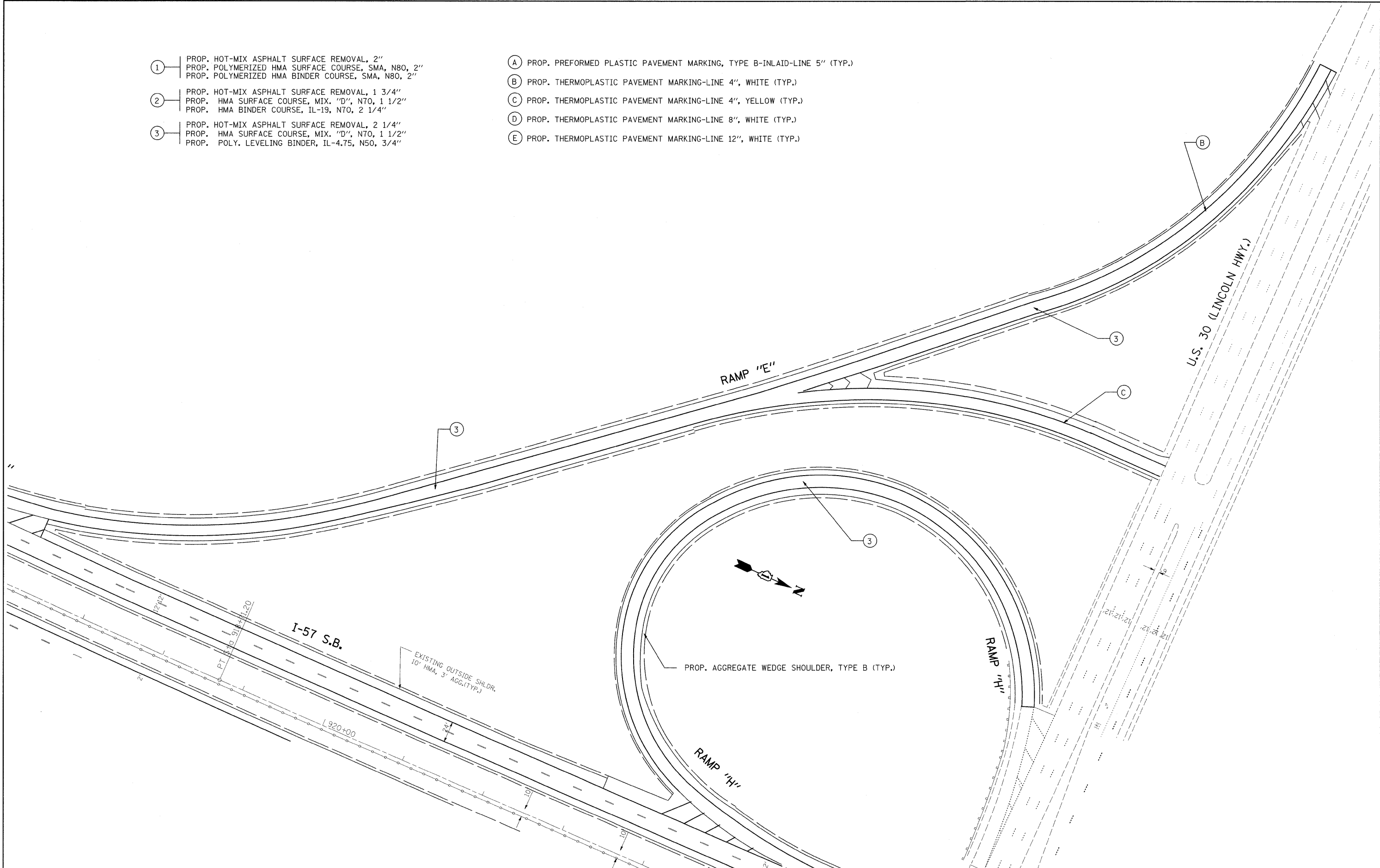
- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 RAMPS "C" AND "D" AT SAUK TRAIL			F.A.I RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 28
es:\pwork\PW\DOT\ABEBAWA\0142330\DI75509-sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60H57	
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



FILE NAME =
c:\pw_work\PW\DOT\ABEBAWA\d0142330\DI75509-sht-plan.dgn

USER NAME = abebawa
DRAWN -
PLOT SCALE = 50.0000' / IN.
PLOT DATE = 6/29/2009

DESIGNED -
CHECKED -
DATE -

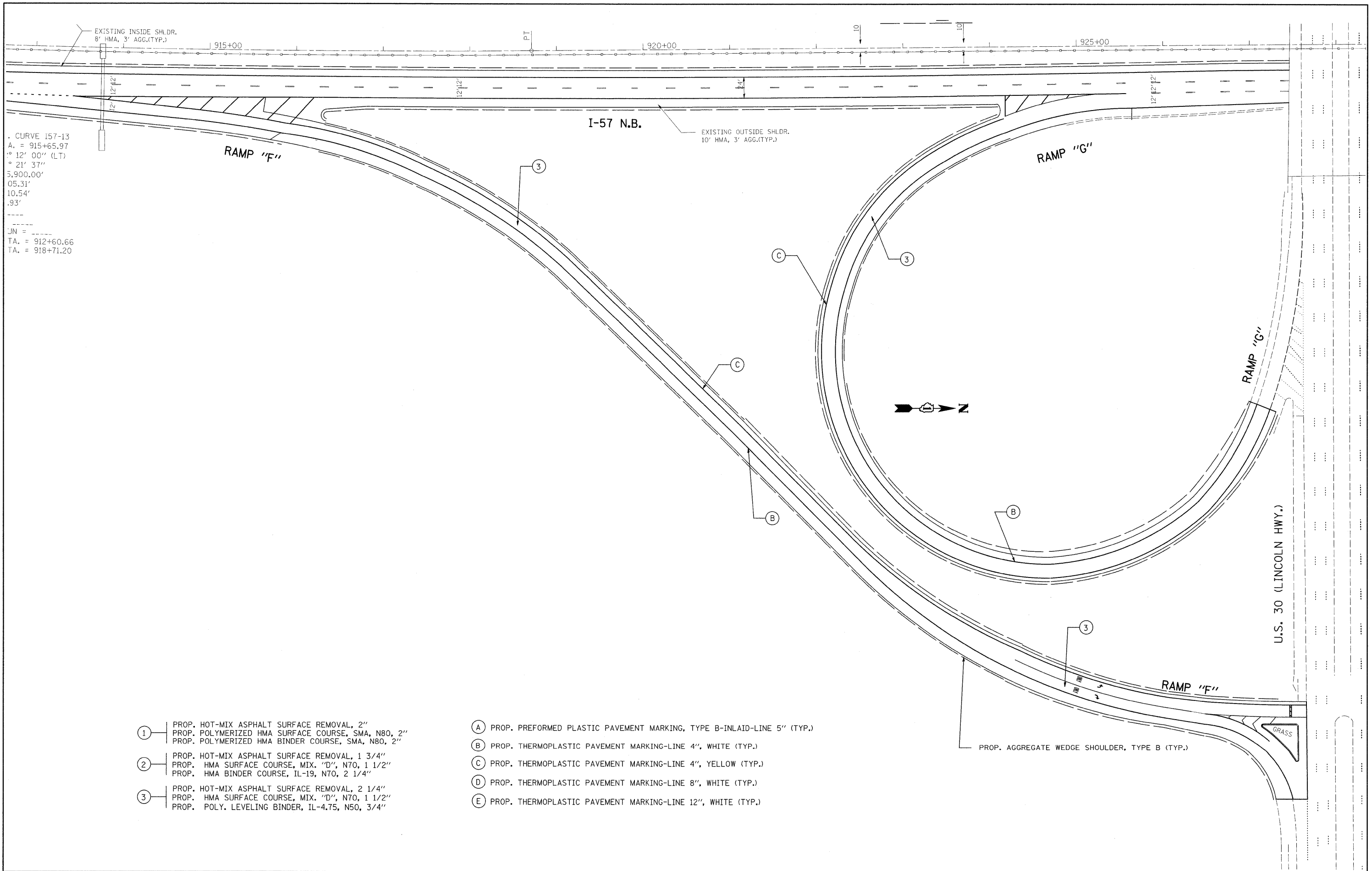
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**I-57 RAMPS "E" AND "H"
AT U.S. ROUTE 30**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2009-064 RS	COOK	63	29
CONTRACT NO. 60H57				
ILLINOIS FED. AID PROJECT				



CURVE 157-13
 A. = 915+65.97
 ° 12' 00" (LT)
 ° 21' 37"
 5,900.00'
 05.31'
 10.54'
 .93'

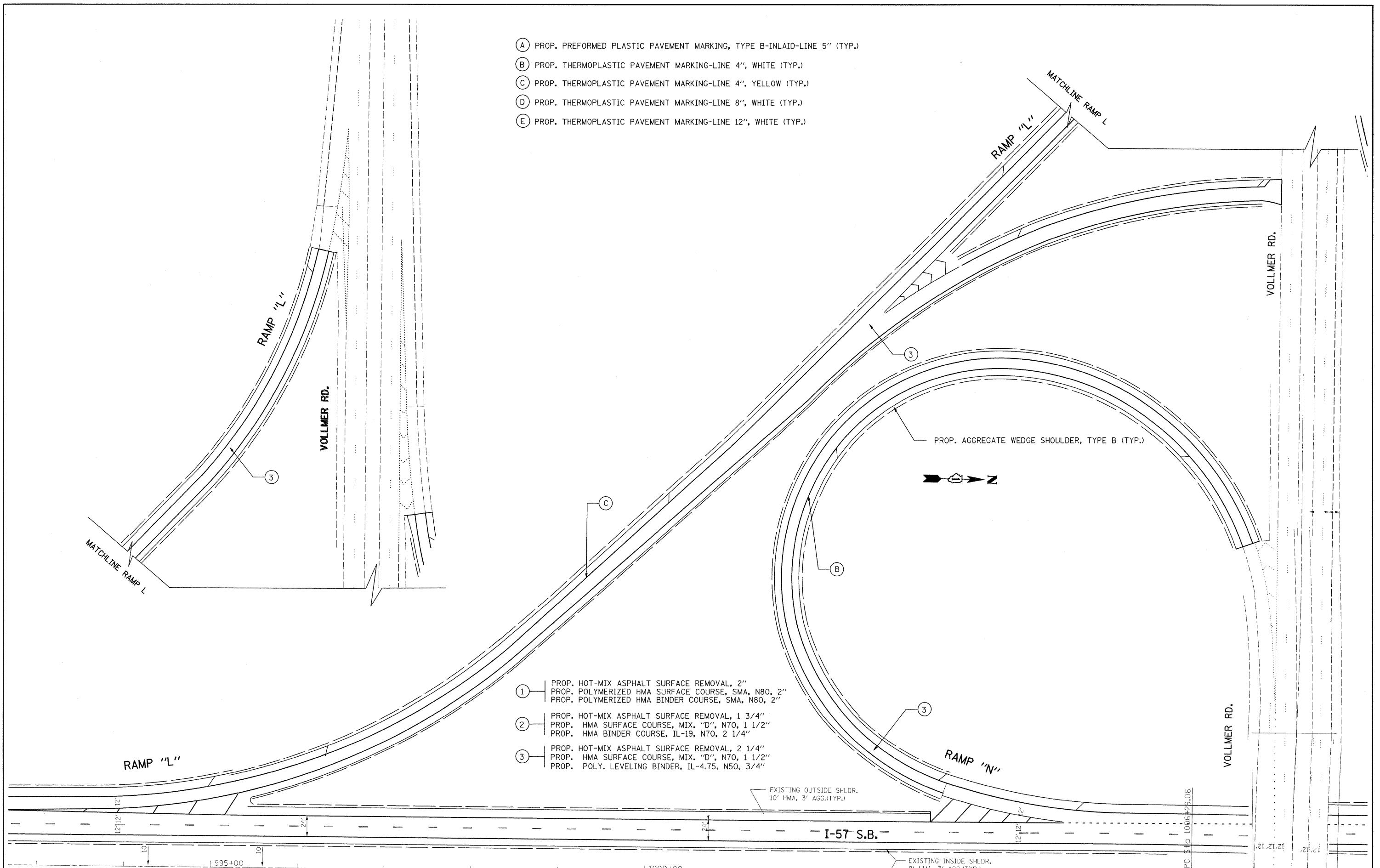
 JN = -----
 TA. = 912+60.66
 TA. = 918+71.20

- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
 PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
 PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
 PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

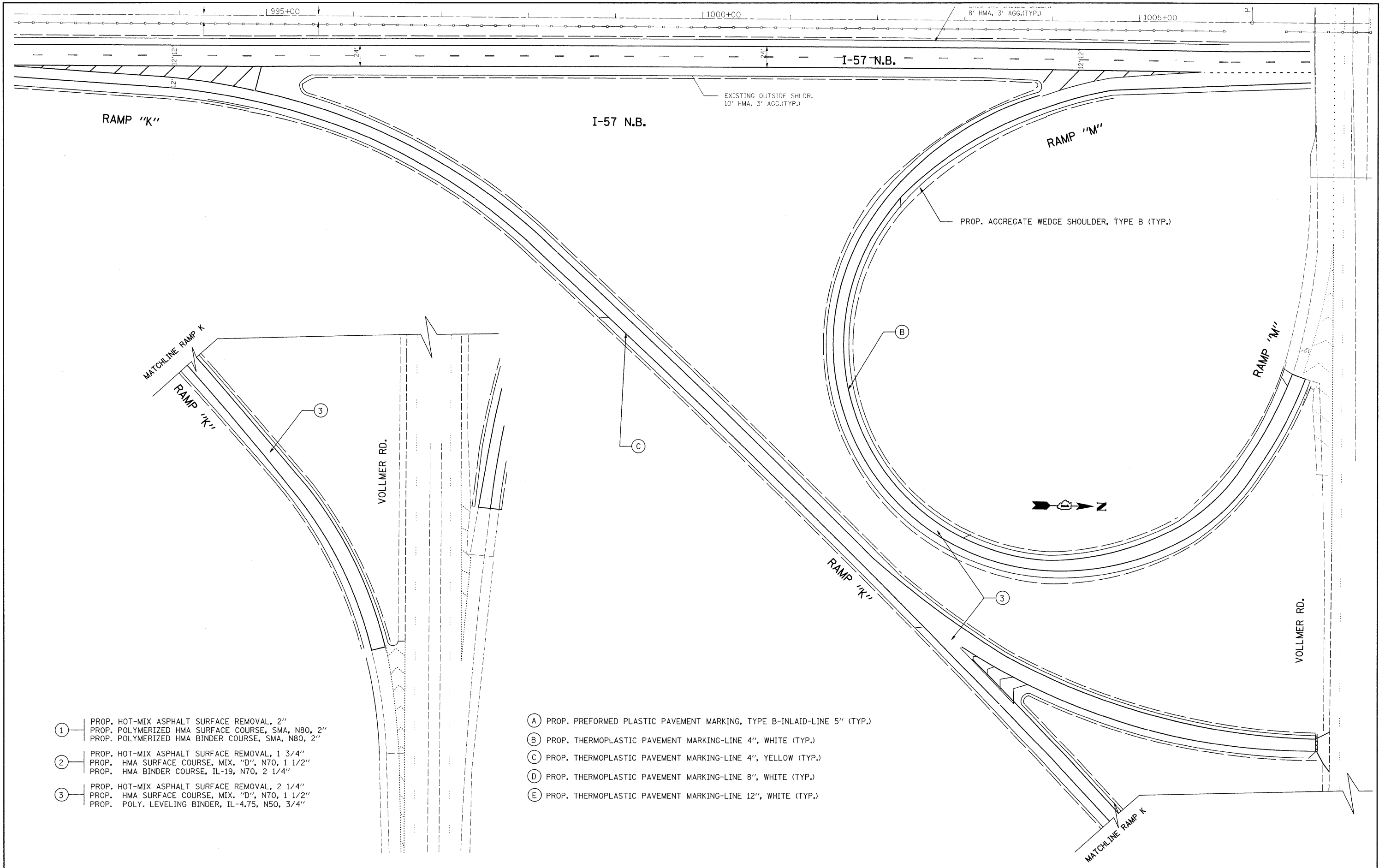
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 RAMPS "F" AND "G" AT U.S. ROUTE 30			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
c:\pwork\PWIDOT\ABEBAWA\d0142330\DI75309-shd-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	1-57	2009-064 RS	COOK	63	30
		PLOT SCALE = 50,0000 "/ IN.	CHECKED -		REVISED -										
		PLOT DATE = 7/7/2009	DATE -		REVISED -										
											CONTRACT NO. 60H57				
											ILLINOIS FED. AID PROJECT				

- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- (3) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

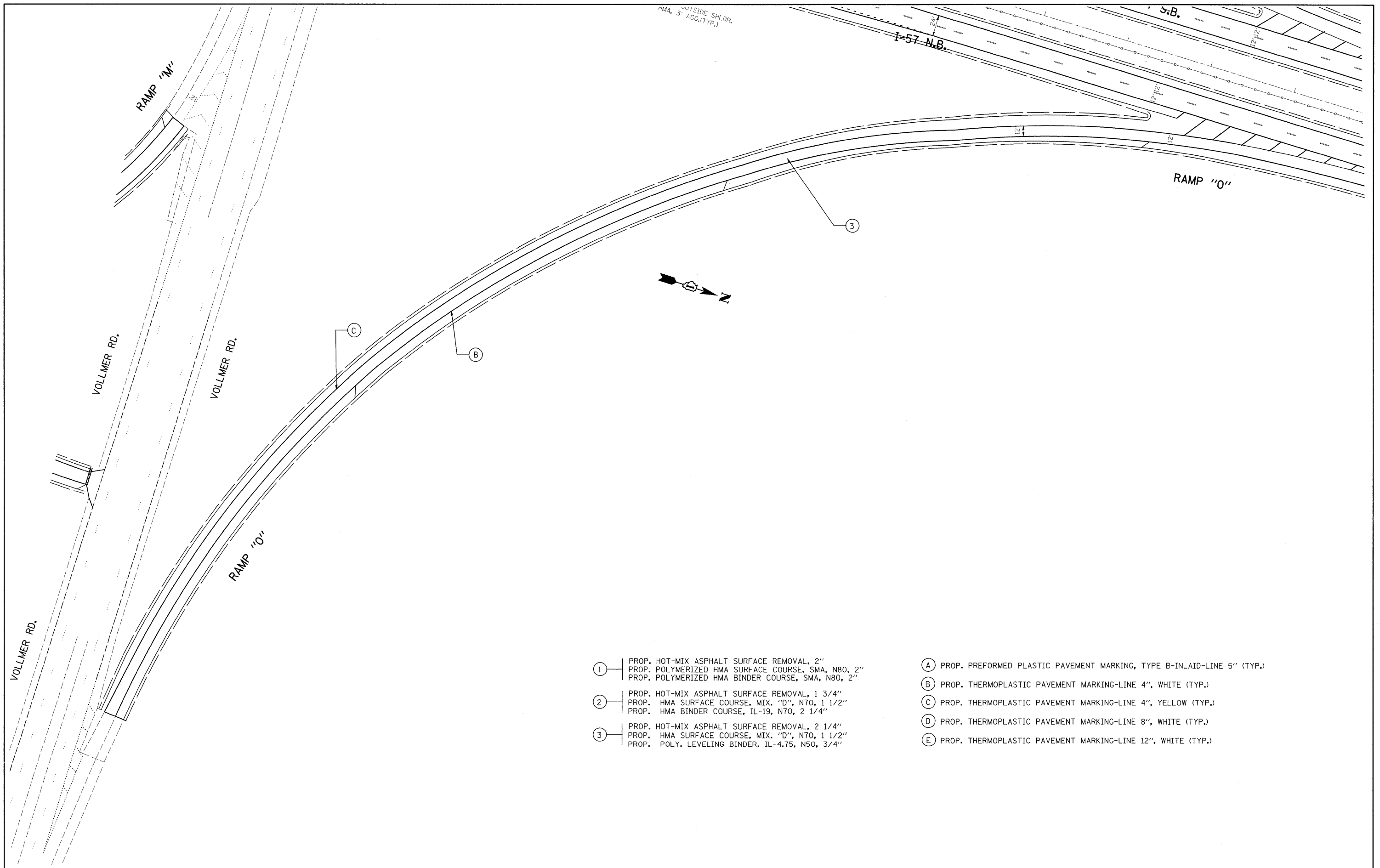
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 RAMPS "L" AND "N" AT VOLLMER ROAD	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\NPWIDOT\ABEBAWA\0142330\175509-aht-plan.dgn		DRAWN -	REVISED -			I-57	2009-064 RS	COOK	63	33	
		CHECKED -	REVISED -			CONTRACT NO. 60H57					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
PLOT SCALE = 50.0000' / IN.		PLOT DATE = 6/29/2009		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.					



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebaw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 RAMPS "K" AND "M" AT VOLLMER ROAD				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct\pwork\PWIDOT\ABEBAW\20142330\175509-shit-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	63	34
		CHECKED -	REVISED -		CONTRACT NO. 60H57								
		DATE -	REVISED -										

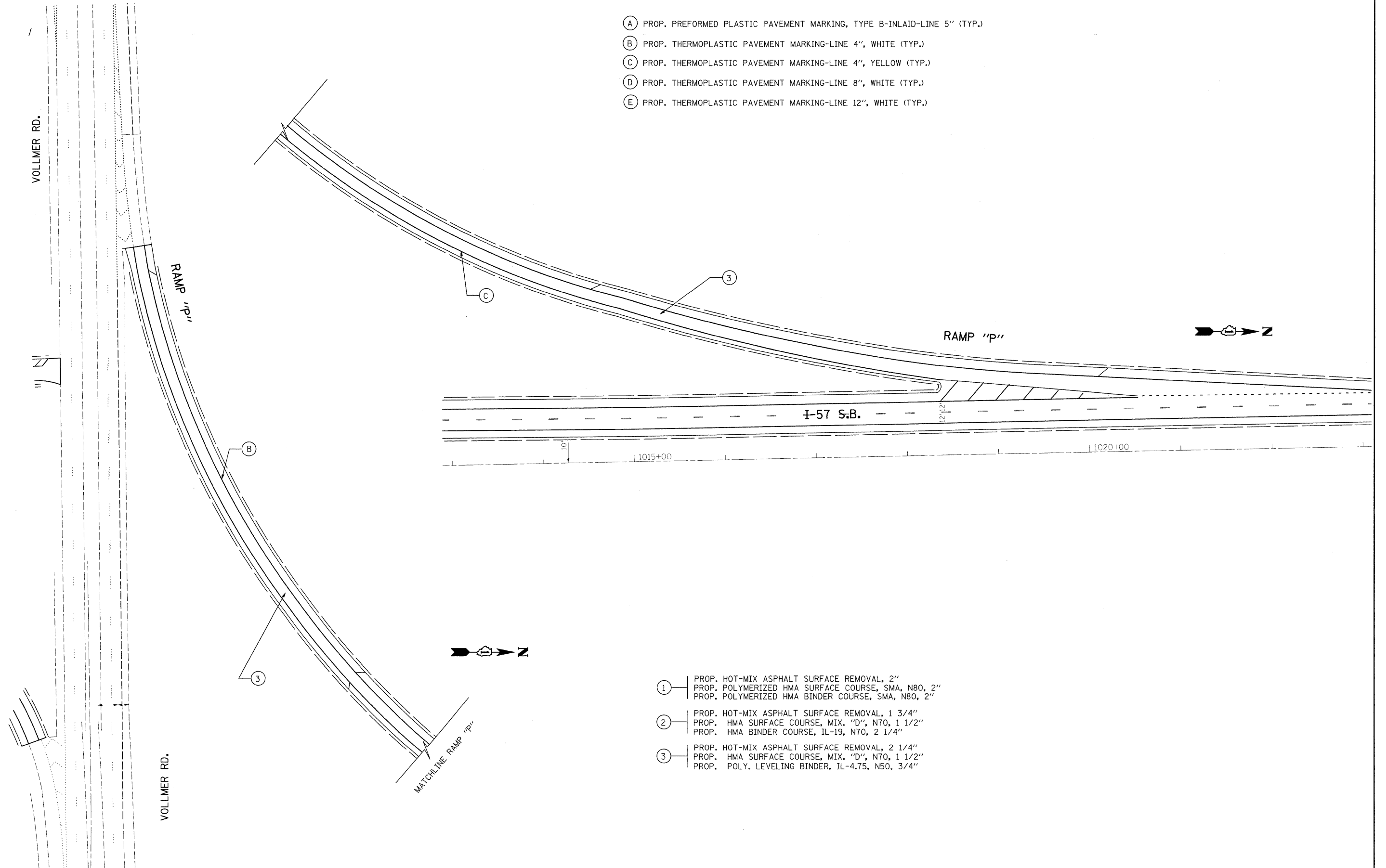


- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

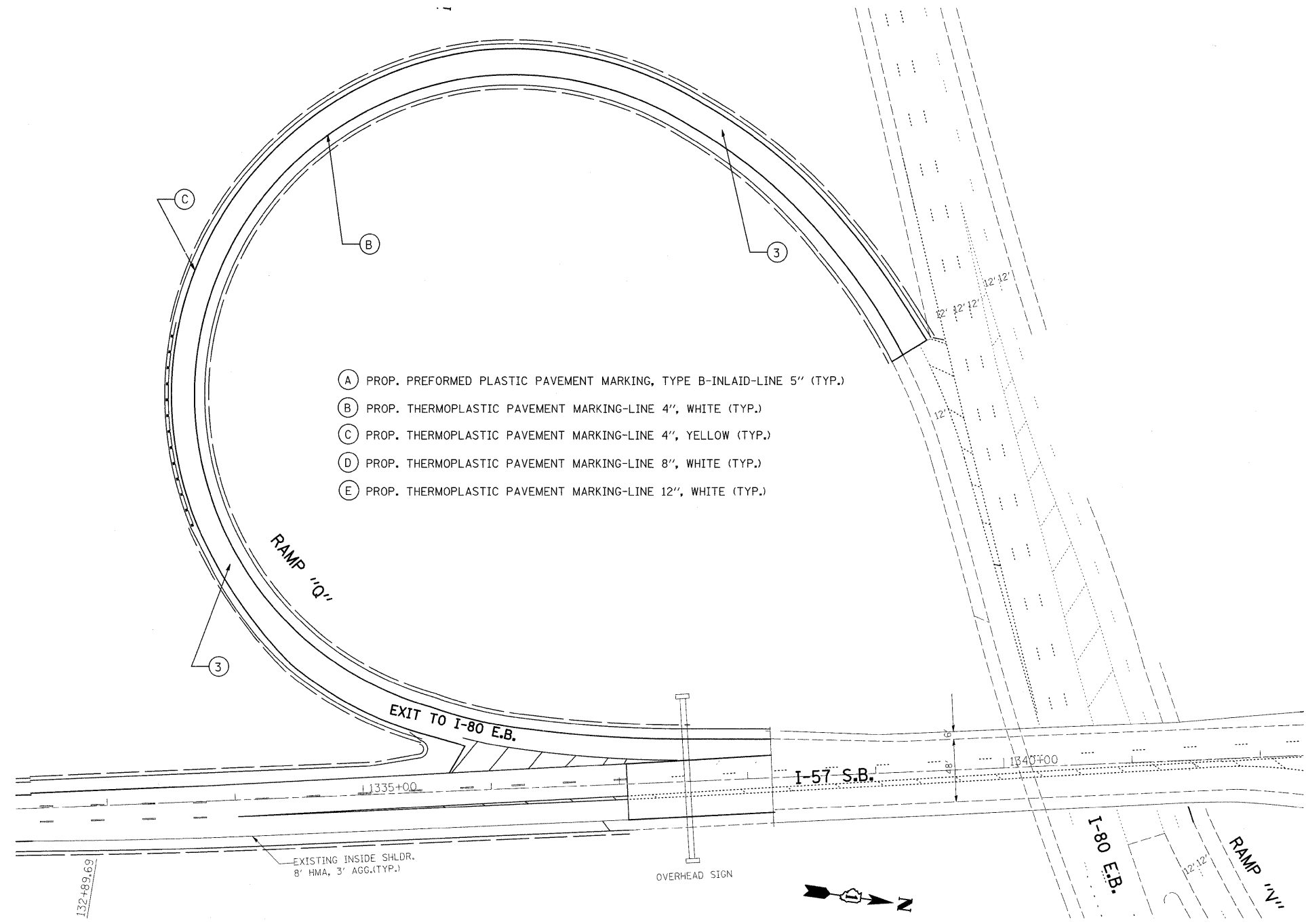
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 RAMP "O" AT VOLLMER ROAD			F.A.I RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 35
ct:\pw_work\PI\DOT\ABEBAWA\0142330\175	509-shit-plan.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60H57	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 6/29/2009	DATE -	REVISED -									

- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)



- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- (3) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

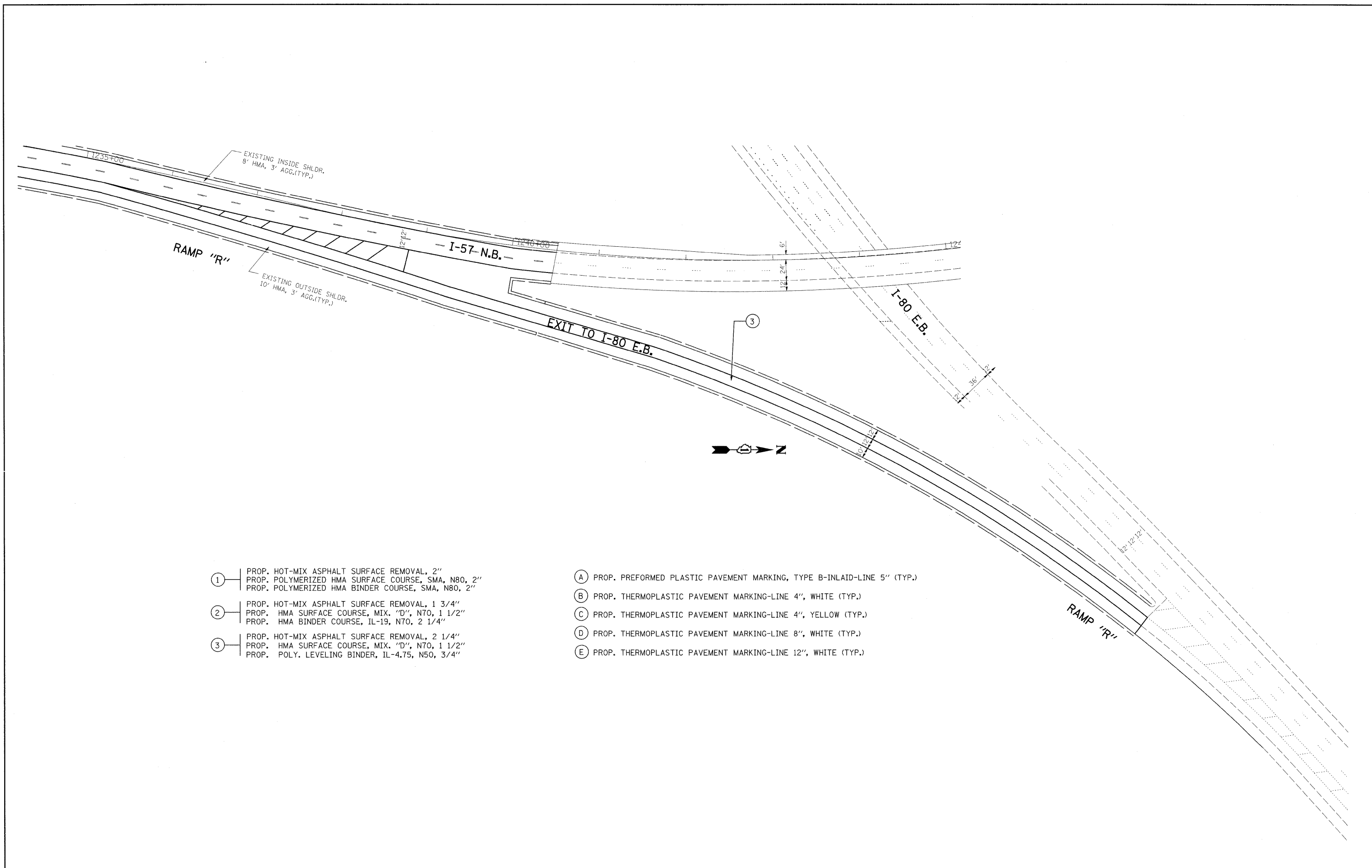
FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 RAMP "P" AT VOLLMER ROAD			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
et\pwork\pwork\IDOT\ABEBAWA\0142330\175509-sht-plen.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	I-57	2009-064 RS	COOK	63	36
		CHECKED -	REVISED -								CONTRACT NO. 60H57				
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT				



- (A) PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- (B) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- (C) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- (D) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- (E) PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

- (1) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- (2) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- (3) PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

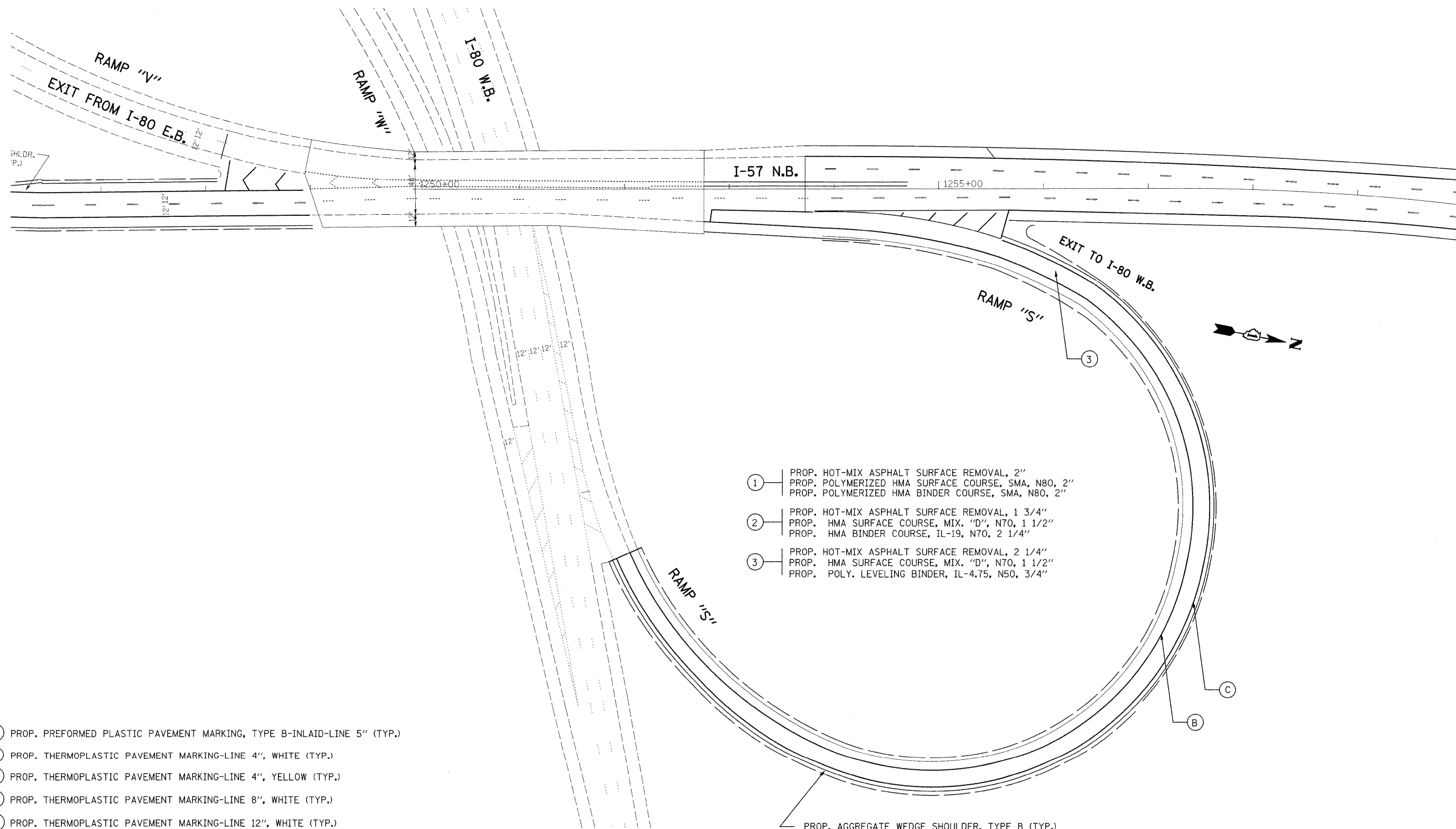
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c:\pwwork\VPWIDOT\ABEBAWA\0142330\0175	09-shit-plan.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	I-57	2009-064 RS	COOK	63	37
	PLOT SCALE = 50.0000' / 1" IN.	CHECKED -	REVISED -		CONTRACT NO. 60H57										
	PLOT DATE = 6/29/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 RAMP "R" AT I-80			F.A.I. RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 38
ct:\pw_work\PIWIDOT\ABEBAWA\0142330\0175	09-shit-plan.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 60H57	
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
	PLOT DATE = 6/29/2009	DATE -	REVISED -									



- ① PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 2"
PROP. POLYMERIZED HMA BINDER COURSE, SMA, N80, 2"
- ② PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 1 3/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. HMA BINDER COURSE, IL-19, N70, 2 1/4"
- ③ PROP. HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
PROP. HMA SURFACE COURSE, MIX. "D", N70, 1 1/2"
PROP. POLY. LEVELING BINDER, IL-4.75, N50, 3/4"

- Ⓐ PROP. PREFORMED PLASTIC PAVEMENT MARKING, TYPE B-INLAID-LINE 5" (TYP.)
- Ⓑ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", WHITE (TYP.)
- Ⓒ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 4", YELLOW (TYP.)
- Ⓓ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 8", WHITE (TYP.)
- Ⓔ PROP. THERMOPLASTIC PAVEMENT MARKING-LINE 12", WHITE (TYP.)

PROP. AGGREGATE WEDGE SHOULDER, TYPE B (TYP.)

FILE NAME =	USER NAME = obabawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 RAMP "S" AT I-80				F.A.I RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 40
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		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										

EXISTING OUTSIDE SHLDR.
10' HMA, 3' AGG.(TYP.)

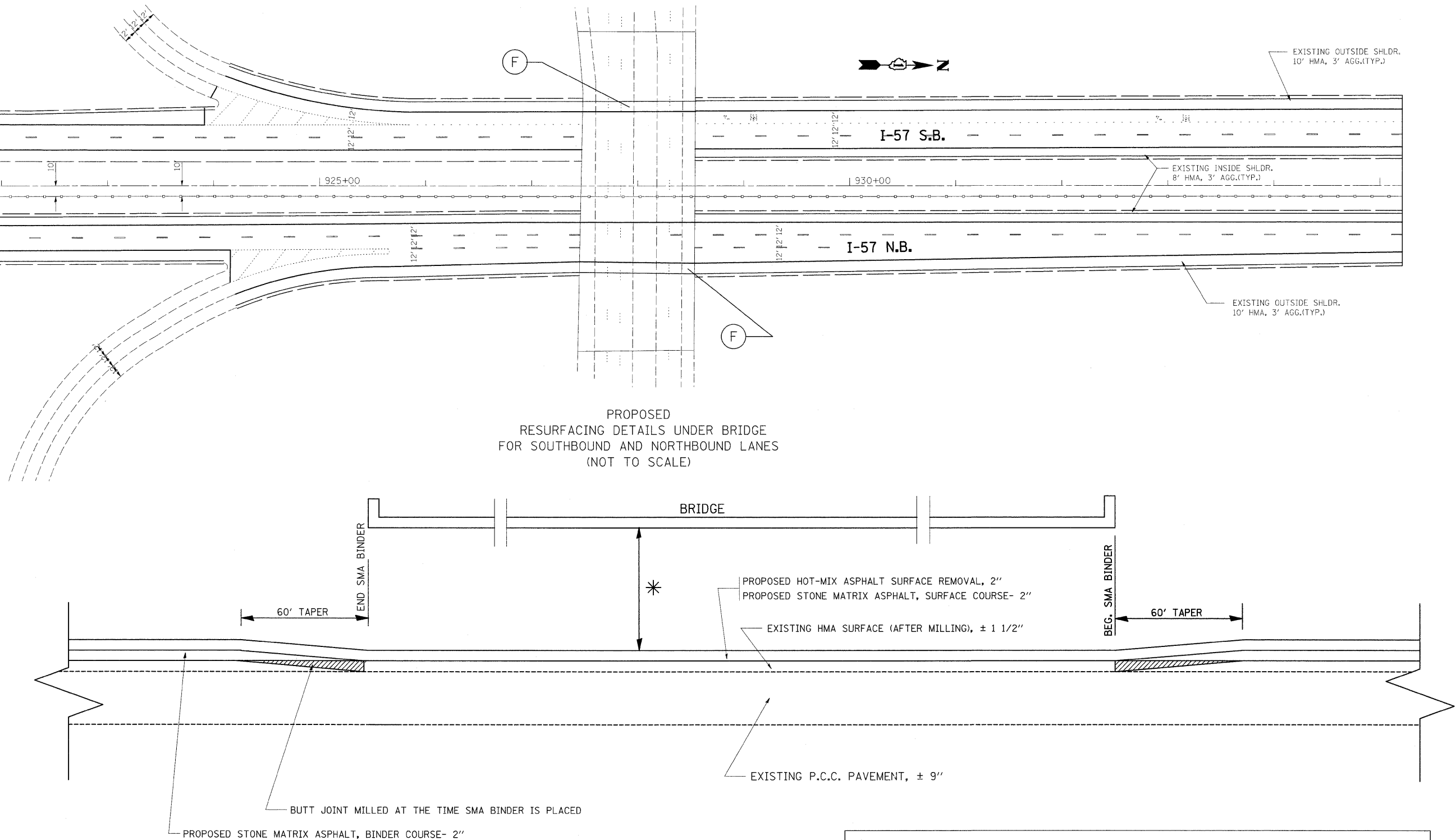
EXISTING OUTSIDE SHLDR.
10' HMA, 3' AGG.(TYP.)

EXISTING OUTSIDE SHLDR.
10' HMA, 3' AGG.(TYP.)

EXISTING INSIDE SHLDR.
8' HMA, 3' AGG.(TYP.)

EXISTING OUTSIDE SHLDR.
10' HMA, 3' AGG.(TYP.)

PROPOSED
RESURFACING DETAILS UNDER BRIDGE
FOR SOUTHBOUND AND NORTHBOUND LANES
(NOT TO SCALE)

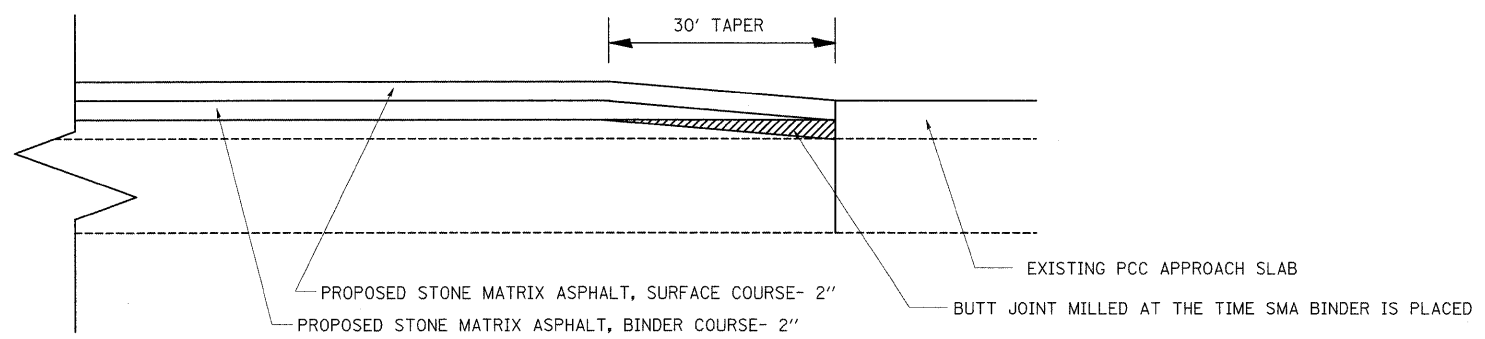
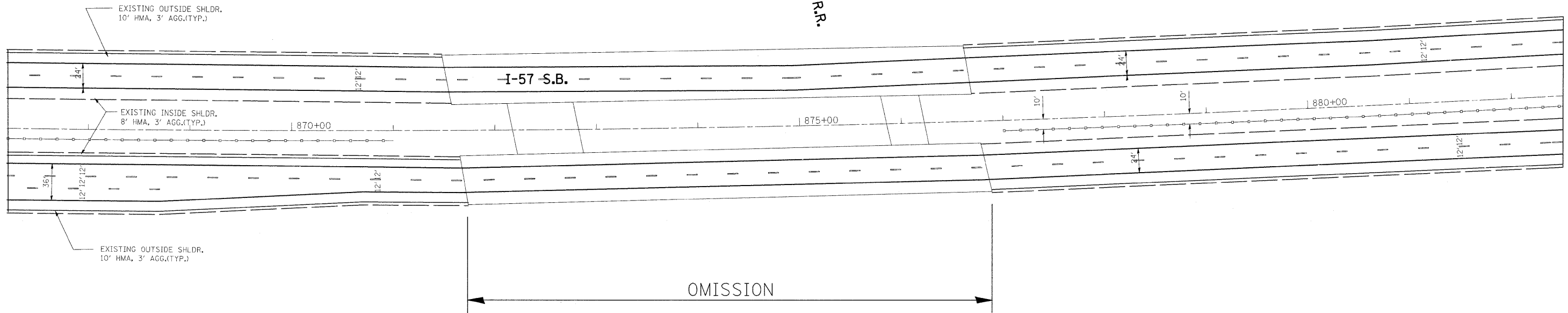


* THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ALL THE EXISTING ROADWAY CLEARANCE UNDERPASS. ANY EXTRA WORK REQUIRED TO DO THIS WILL NOT BE PAID SEPARATELY. THIS SHALL BE INCLUDED IN THE COST OF STONE MATRIX ASPHALT, SURFACE COURSE.

(F) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
PROPOSED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70, 1 1/2"

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 57 RESURFACING DETAILS UNDER OVERPASS			F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\p\work\p\WIDOT\ABEBAWA\02142330\0175	509-sht-pln.dgn	DRAWN -	REVISED -		SCALE: NTS	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	57	2009-064 RS	COOK	63	41
		CHECKED -	REVISED -										
		DATE -	REVISED -										
	PLOT SCALE = 50,0000 ' / IN. PLOT DATE = 7/7/2009												
											CONTRACT NO. 60H57		
											ILLINOIS FED. AID PROJECT		

E.J. & E. R.R.



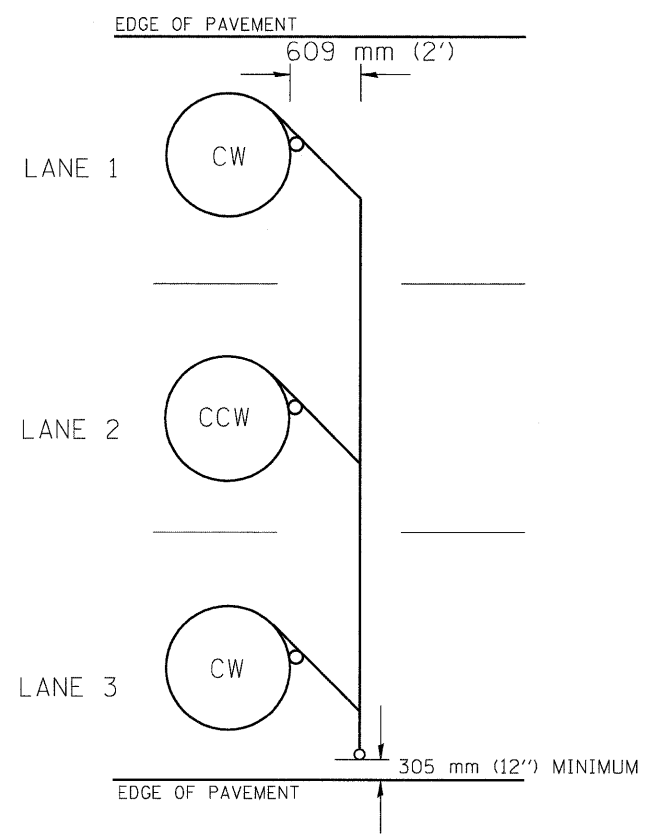
NOTE:

THIS WORK IS THE SAME ON BOTH ENDS OF THE PCC APPROACH SLABS. THE DETAIL ONLY SHOWS THE NORTH SIDE OF THE BRIDGE.

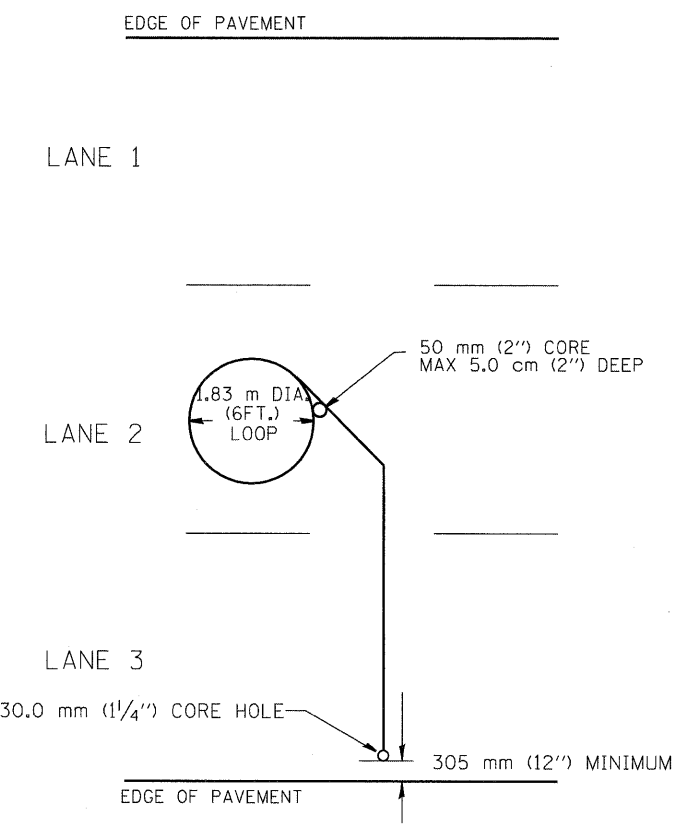
THE CONTRACTOR SHALL BE REQUIRED TO PROTECT THE EXISTING PCC APPROACH SLABS. ANY DAMAGE TO THE APPROACH SLABS IT WILL BE THE RESPONSABILITY OF THE CONTRACTOR TO FIX THE DAMAGE AND WILL NOT BE PAID SEPARATELY.

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 57 RESURFACING DETAILS AT PCC APPROACH SLABS	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
et:\pwk_work\XPWIDOT\ABEBAWA\0142330\DI75509-sht-plan.dgn		DRAWN -	REVISED -			57	2009-064 RS	COOK	63	42	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			SCALE:		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
PLOT DATE = 6/29/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

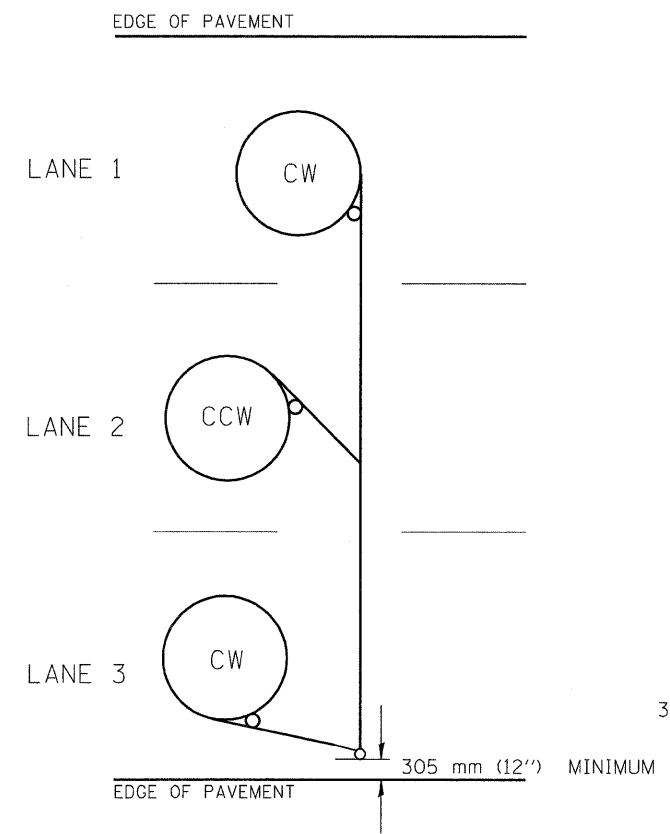
F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2009-06485	Cook	63	43
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
Cont. 60H57				



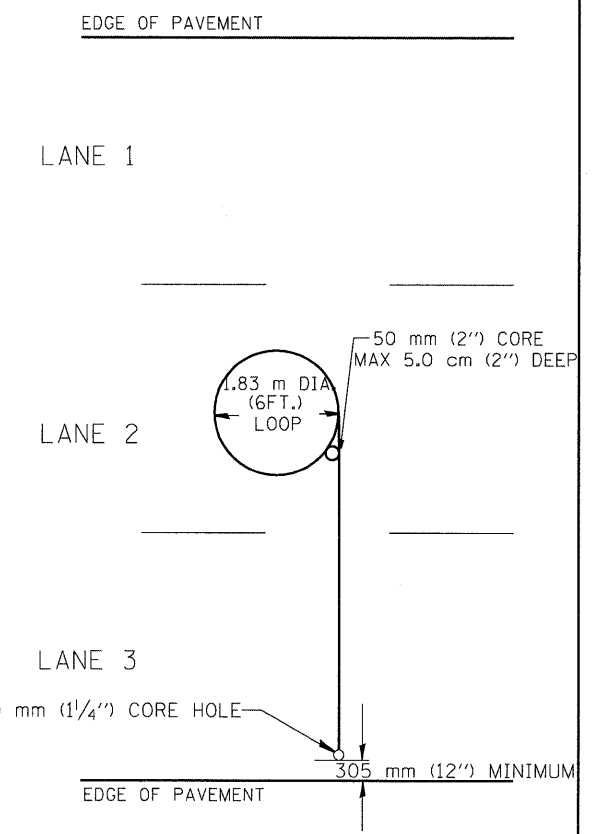
TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



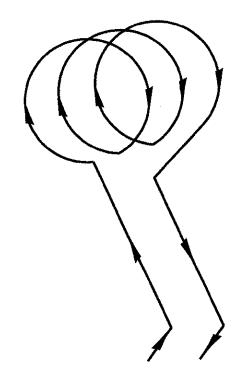
TYPICAL 1.83 m (6') DIA. INDUCTION LOOP
LAYOUT FOR LANE 2



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP
LAYOUT FOR LANE 2



WIRING DETAILS

- NOTES
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
 2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
 3. LOOPS SHALL NOT BE SPLICED IN SERIES.
 4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	9/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
**EXISTING ROUND LOOP
INSTALLATION**

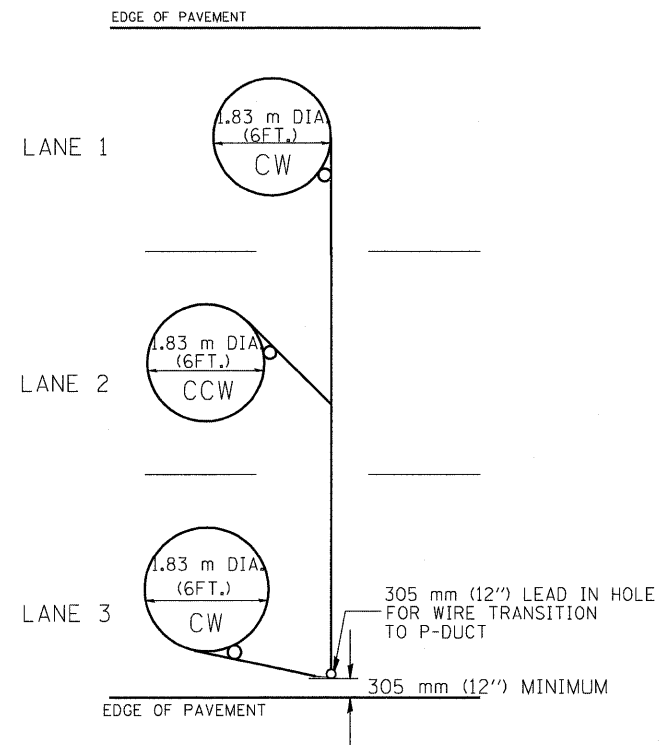
SCALE: VERT. NONE
DATE: 6-22-94

DRAWN BY: G.W.
CHECKED BY: R.L.

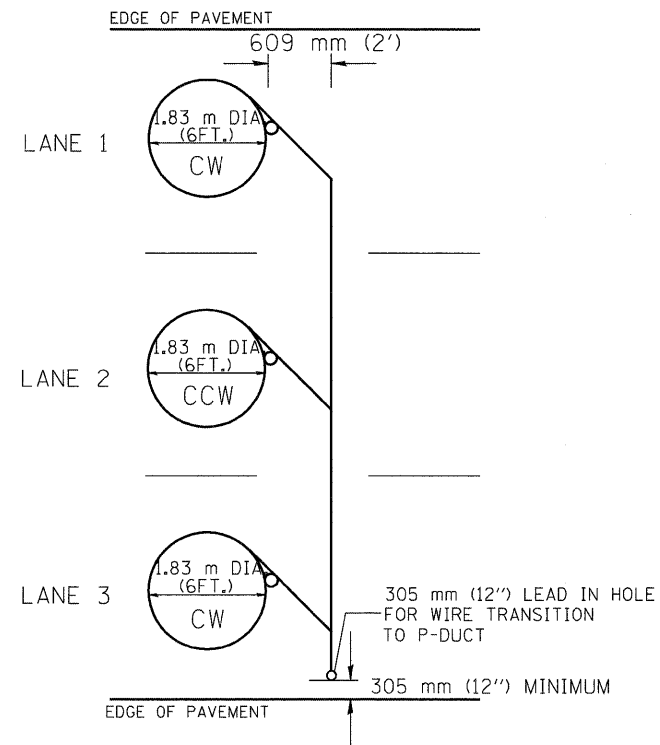
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RF=

VI-4181

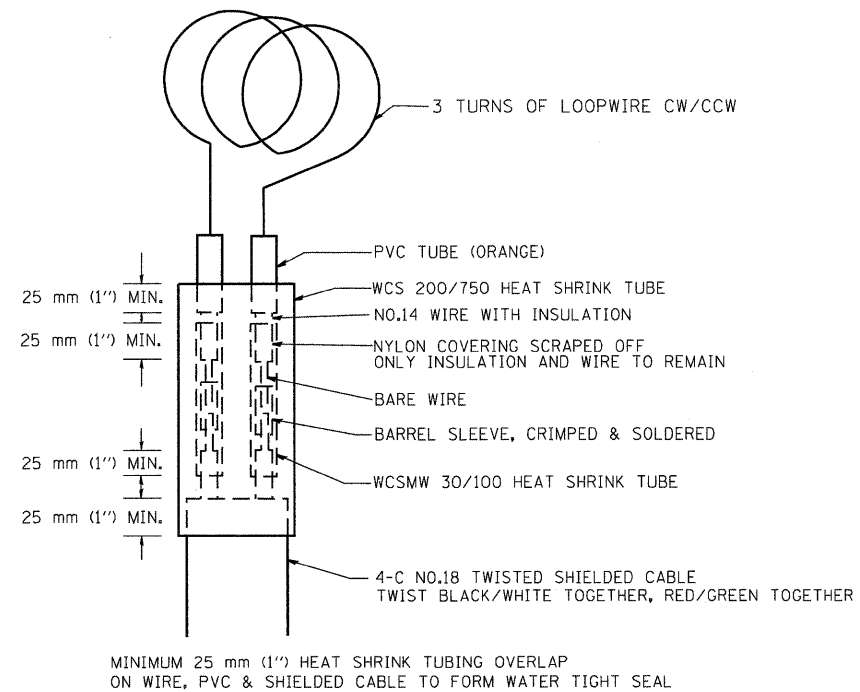
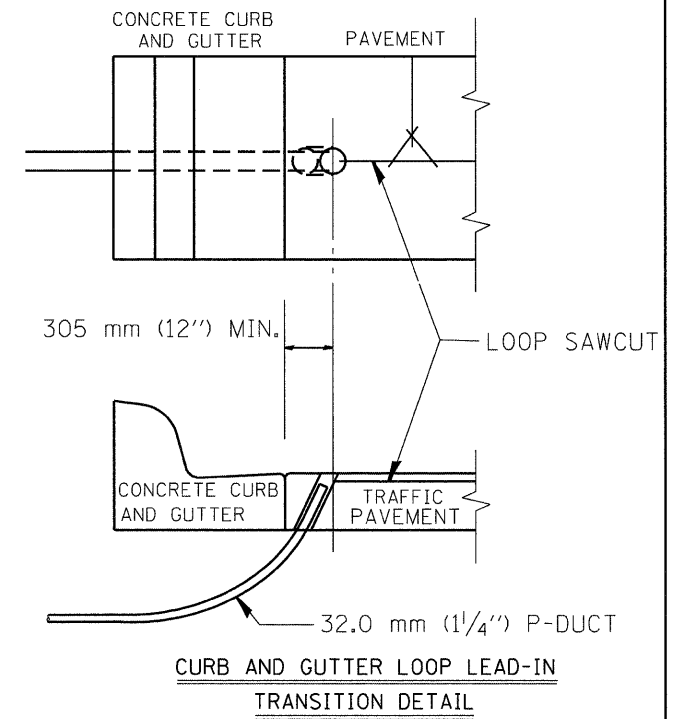
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2009-064RS	COOK	63	44
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT				
Cont. 60H57				



TYPICAL 1.83 m (6FT.) DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



TYPICAL 1.83 m (6') DIA. INDUCTION LOOP CORE DRILL
LAYOUT FOR MULTIPLE LANE ROADWAY



LOOP SPLICING REQUIREMENTS

NOTES

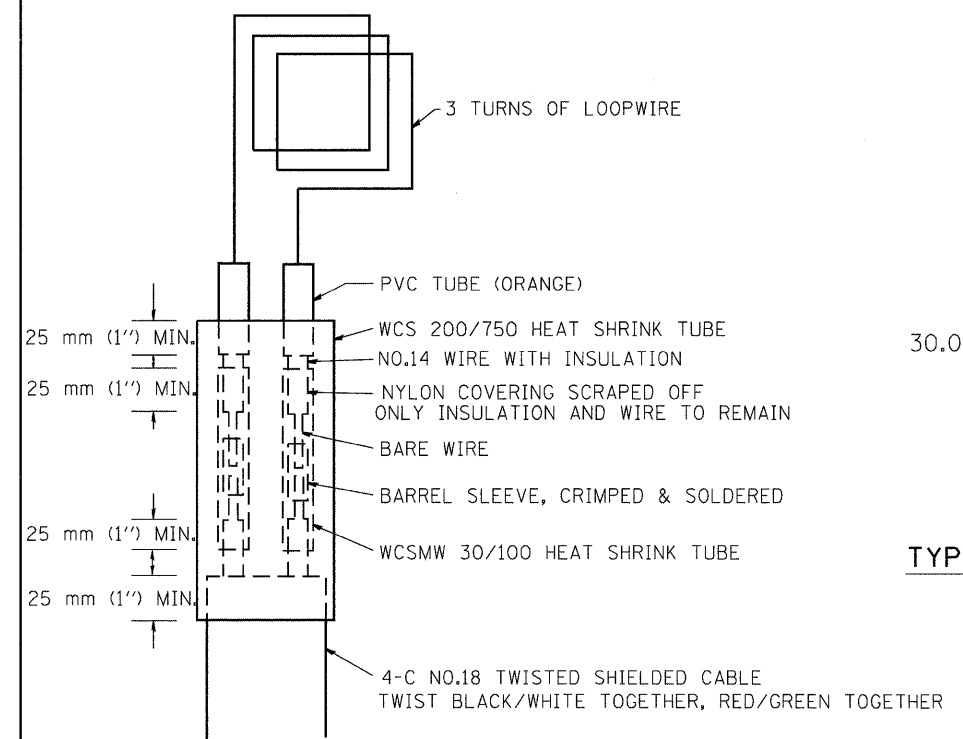
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER
**EXISTING
ROUND INDUCTION LOOP
TYPICALS**
SCALE: VERT. NONE
DATE 6-22-94
DRAWN BY G.M.
CHECKED BY R.L.

RD= TYPMET.DGN
RF=

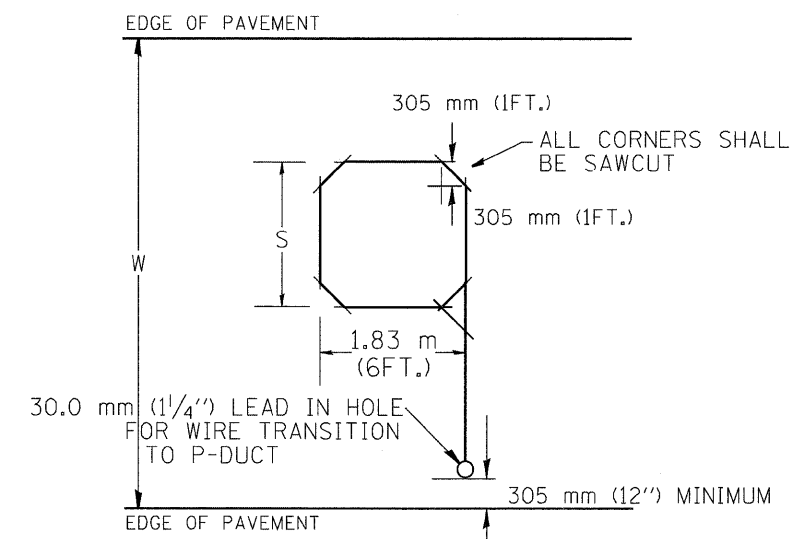
VI-4182



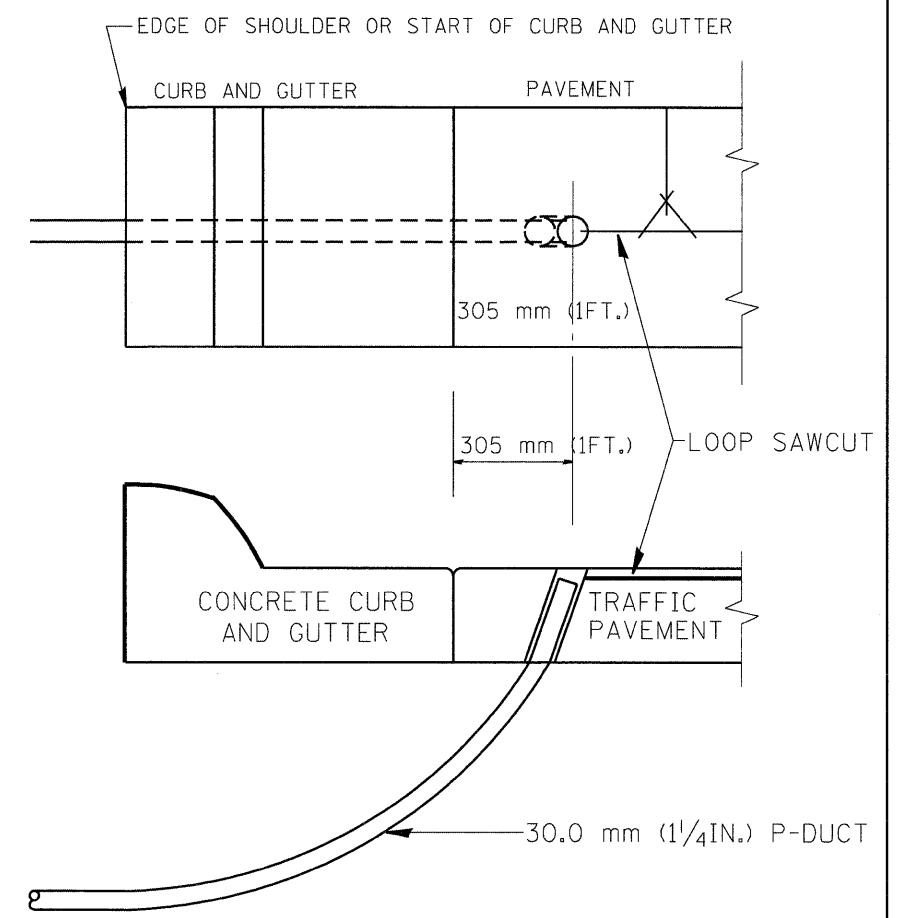
MINIMUM 25 mm (1") HEAT SHRINK TUBING OVERLAP ON WIRE, PVC & SHIELDED CABLE TO FORM WATER TIGHT SEAL

LOOP SPLICING REQUIREMENTS

WIDTH (W)	WIDTH (S)
3.7 m (12')	2.5 m (8')
4.0 m (13')	2.8 m (9')
4.3 m (14')	3.1 m (10')
4.6 m (15')	3.4 m (11')
4.9 m (16')	3.7 m (12')
5.2 m (17')	4.0 m (13')
5.5 m (18')	4.3 m (14')
5.8 m (19')	4.6 m (15')
6.1 m (20')	4.9 m (16')
6.4 m (21')	5.2 m (17')
6.7 m (22')	5.5 m (18')
7.0 m (23')	5.8 m (19')
7.3 m (24')	6.1 m (20')
7.6 m (25')	6.4 m (21')



TYPICAL "S" FT. BY 1.83 m (6FT.) INDUCTION LOOP SAWCUT LAYOUT FOR RAMPS



CURB AND GUTTER LOOP LEAD-IN TRANSITION DETAIL

NOTES

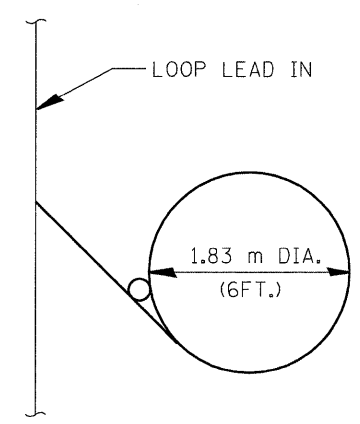
1. EACH LOOP SHALL BE SPLICED TO A 4-C NO.18 TWISTED SHIELDED LEAD IN WHEN 45 m (150FT.) OR MORE FROM CABINET.
2. LOOPS SHALL BE SPLICED IN HANDHOLES ONLY, OTHERWISE WRITTEN PERMISSION SHALL BE OBTAINED FROM TSC ENGINEER.
3. LOOPS SHALL NOT BE SPLICED IN SERIES.
4. EACH LOOP LEAD IN SHALL BE IDENTIFIED AND PERMANENTLY COLOR CODED IN THE COREHOLE, HANDHOLE & CABINETS THRU WHICH THEY ENTER OR PASS AND TAGGED WITH THE CORRECT NOMENCLATURES.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER
NAME	DATE	
R.L.	6/94	RECTANGULAR INDUCTION LOOP TYPICAL
T.C.	11/95	
R.L.	05/96	
T.C.	10/96	
SCALE: VERT. NONE HORIZ. DATE 6-22-94		DRAWN BY G.M. CHECKED BY R.L.

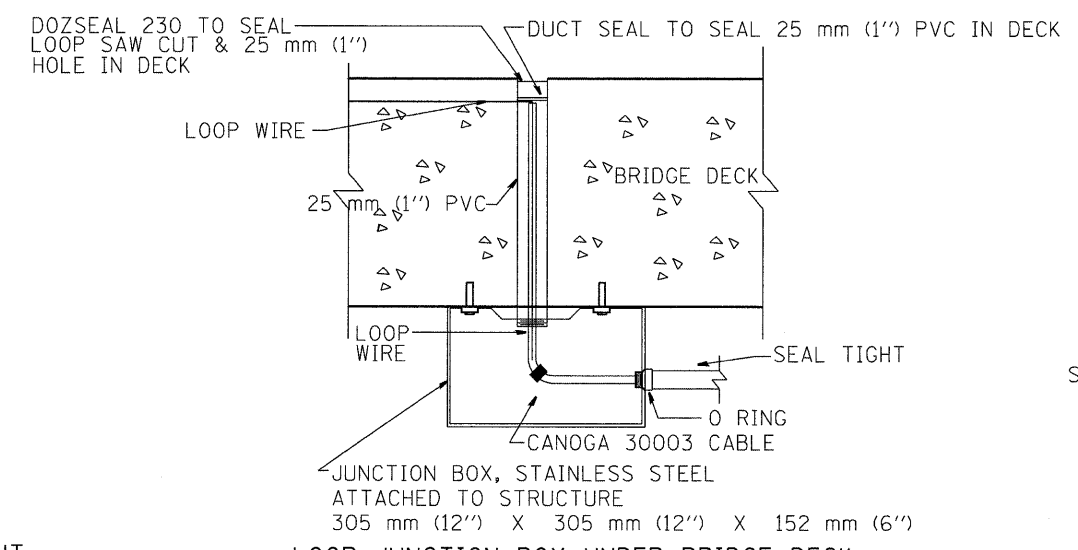
RD-TYPMET.DGN
RF=

VI=4182

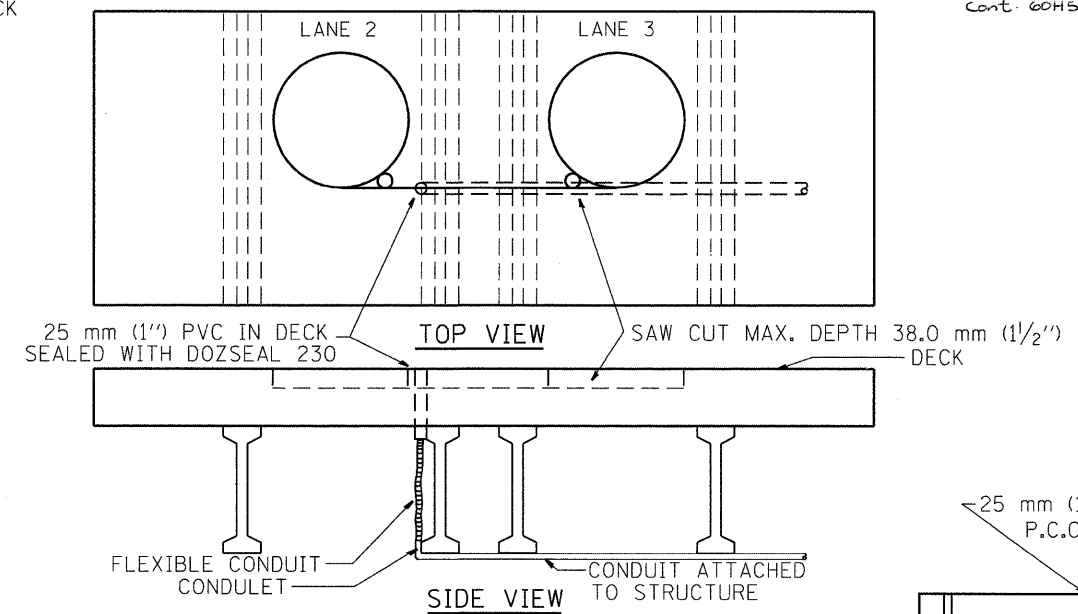
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
51	2009-064 R2	Cook	63	46
STA. _____ TO STA. _____		FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT		
Cont. 60H57				



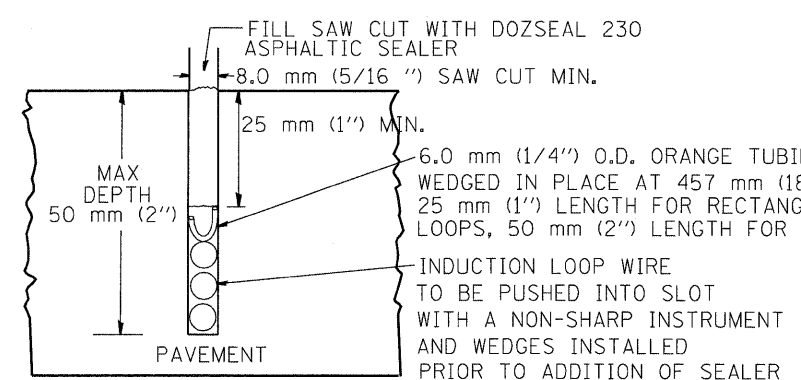
TYPICAL LOOP SAWCUT LAYOUT



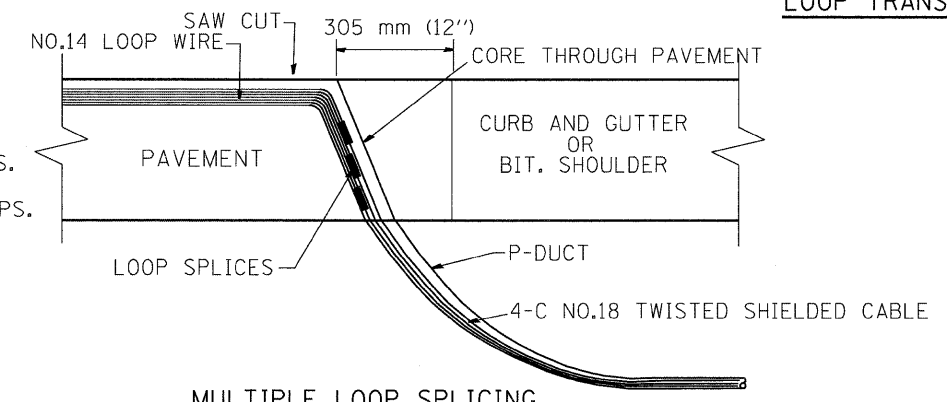
LOOP JUNCTION BOX UNDER BRIDGE DECK



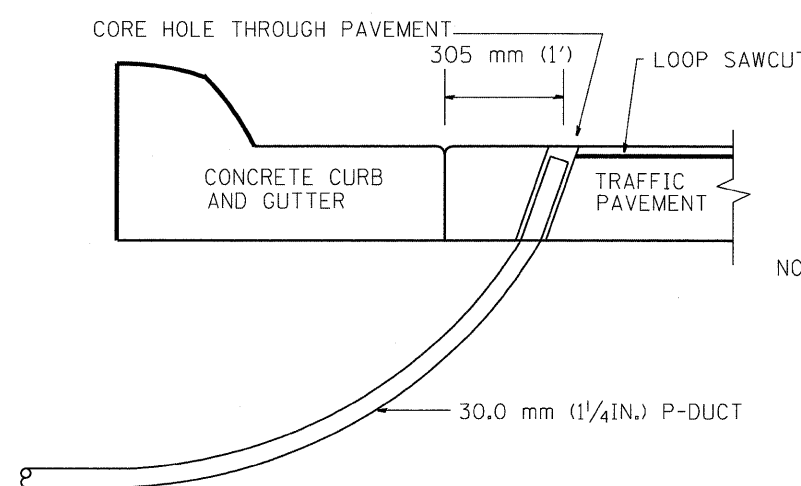
LOOP TRANSITION IN BRIDGE DECK



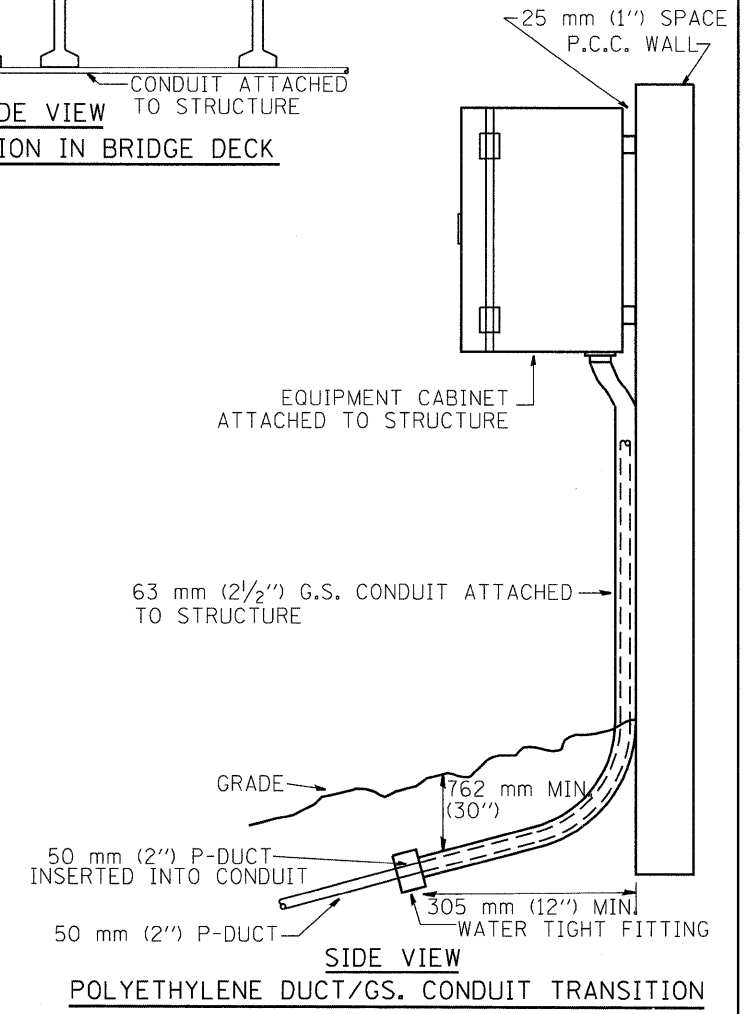
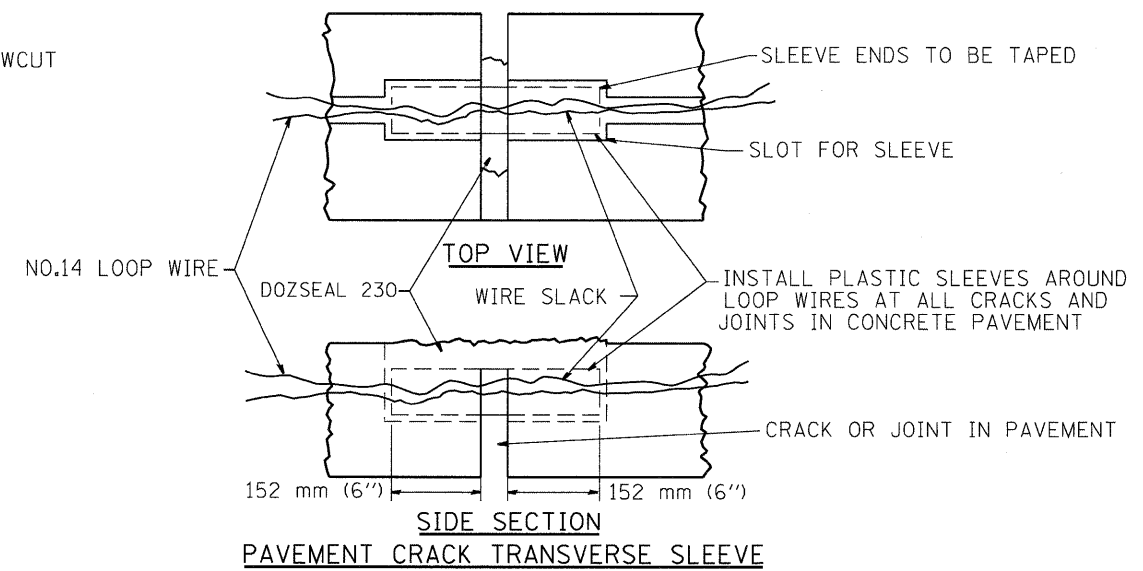
LOOP CROSS SECTION IN PAVEMENT



MULTIPLE LOOP SPLICING



SIDE SECTION LOOP LEAD-IN TRANSITION DETAIL



REVISIONS	
NAME	DATE
R.L.	6/94
R.L.	3/95
T.C.	11/95
R.L.	05/96
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

**LOOP, CONDUIT & DUCT
INSTALLATION DETAILS**

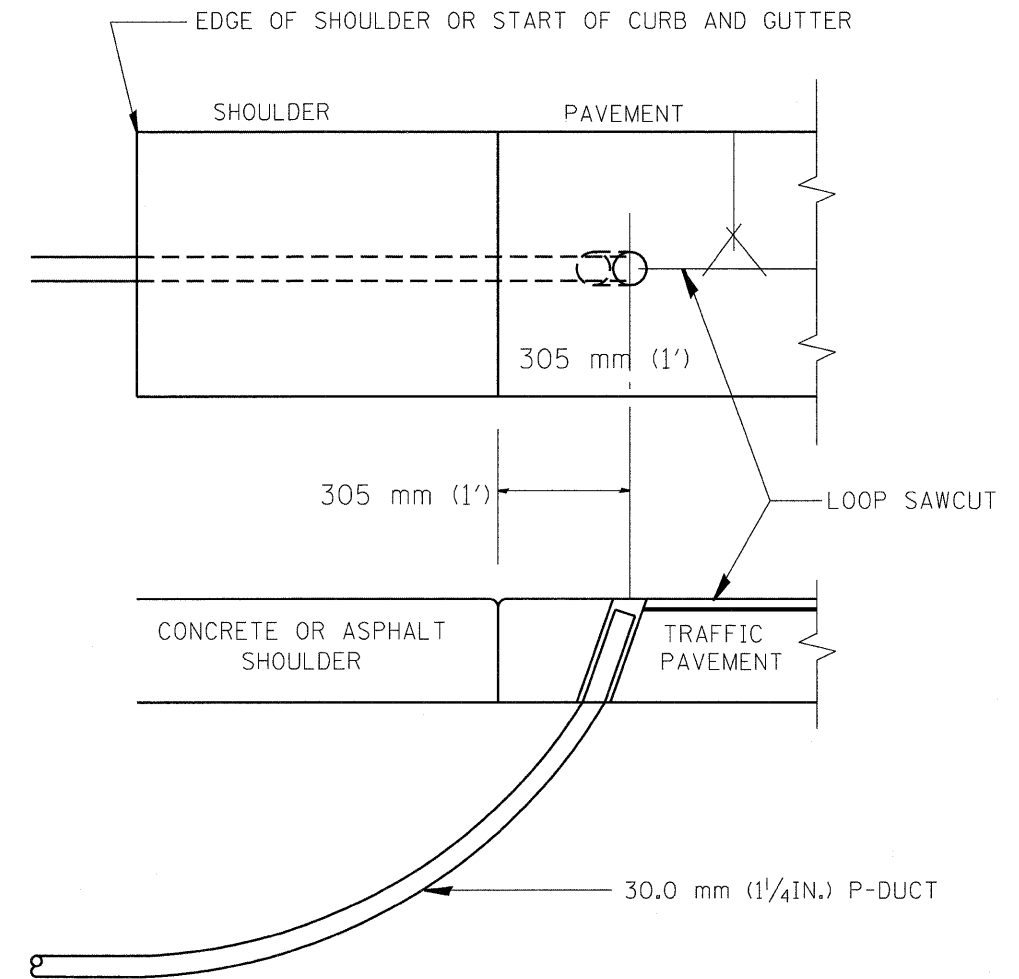
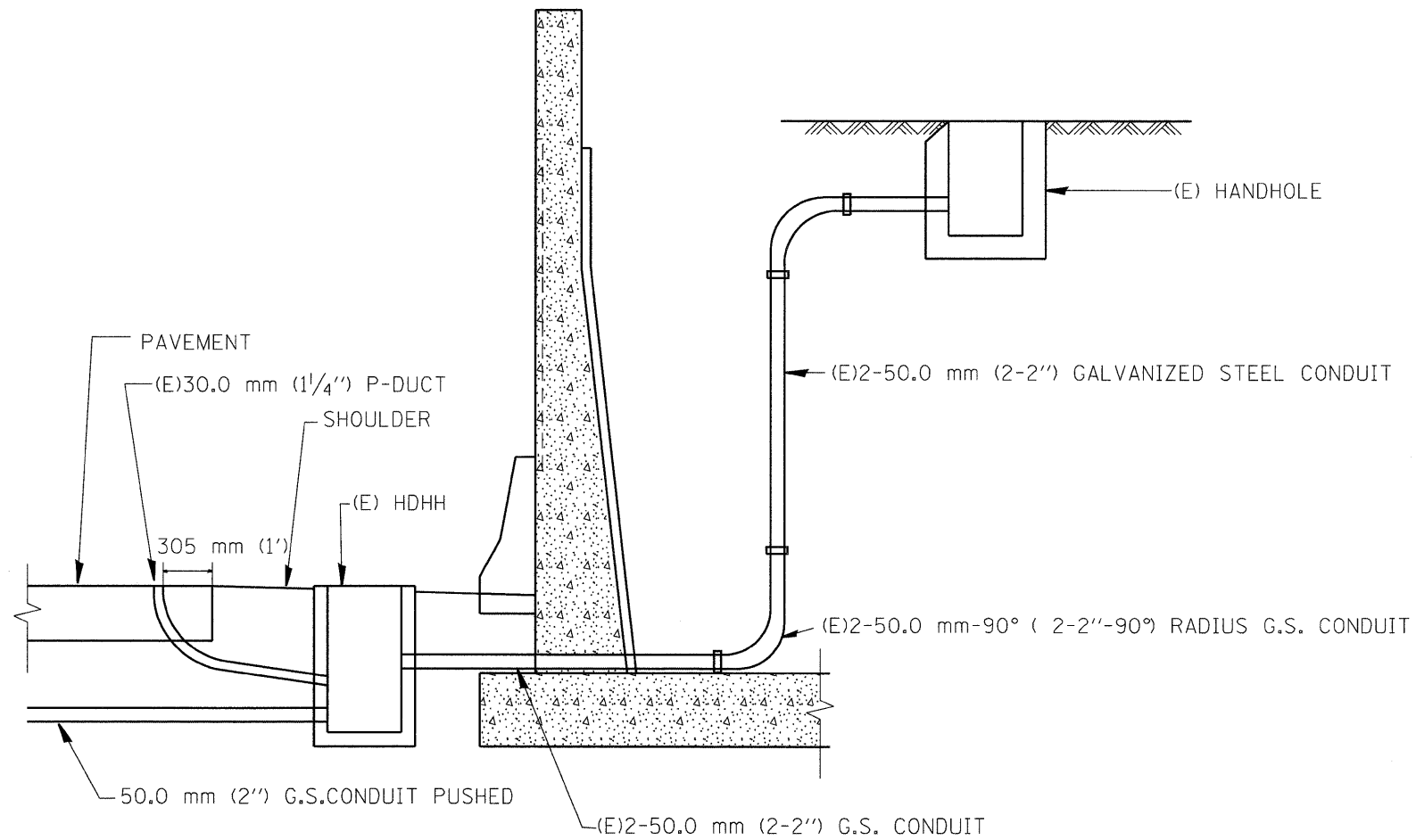
SCALE: VERT. NONE
HORIZ. DATE 6-22-94

DRAWN BY G.M.
CHECKED BY R.L.

RD-TYPMET.DGN
RF-E

VI-4184

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	*	Cook	63	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
Cont. 60457				



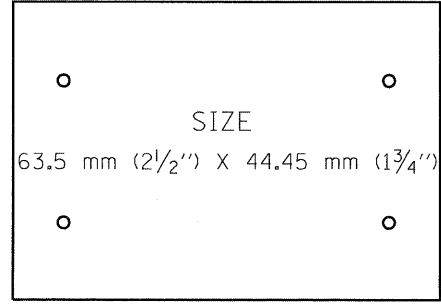
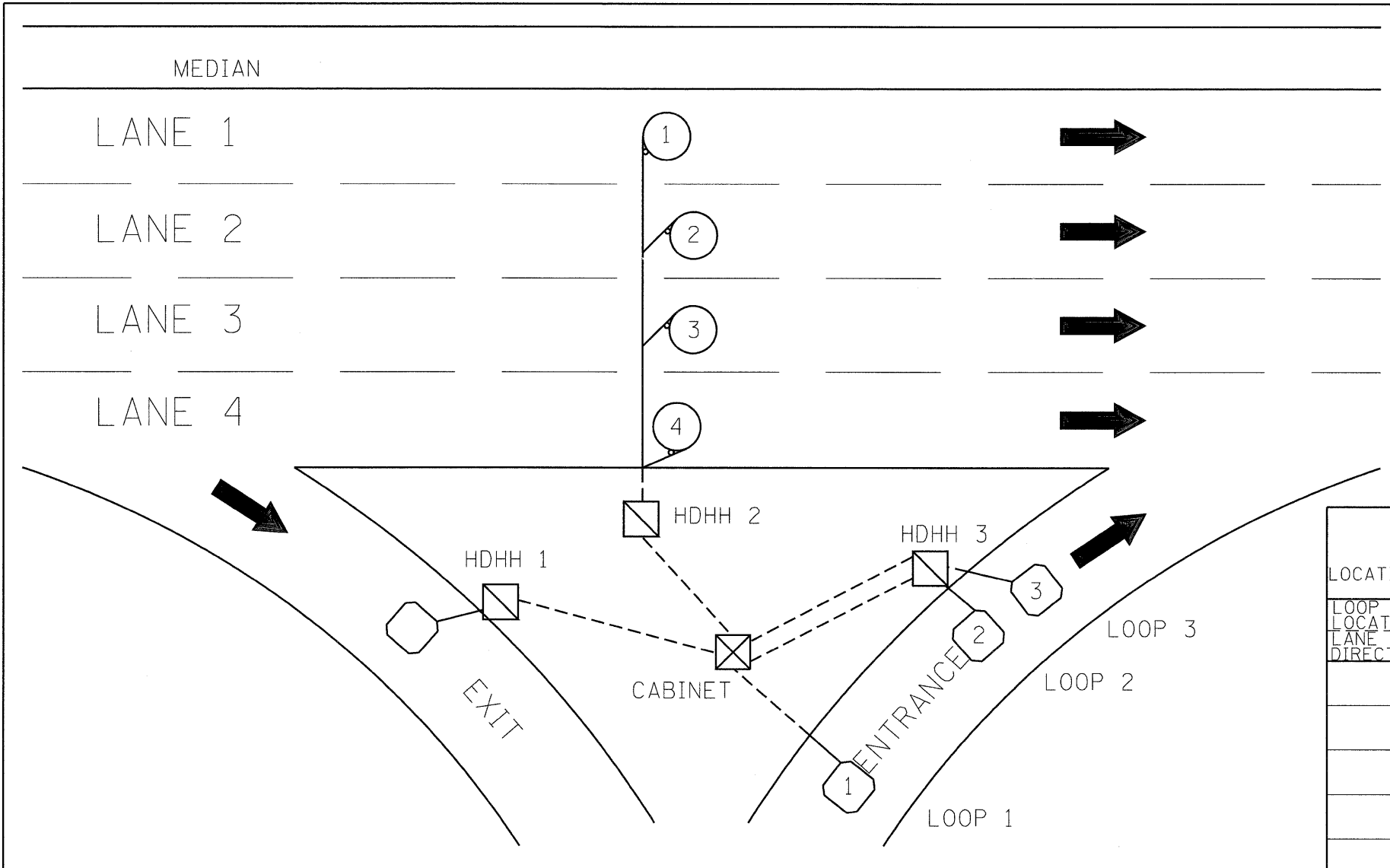
SHOULDER LOOP LEAD-IN
TRANSITION DETAIL

RD-TYPMET.DGN
RF=

VI=4185

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION TRAFFIC SYSTEMS CENTER
NAME	DATE	
R.L.	6/94	TYPICAL INDUCTION LOOP LEAD-IN TRANSITION DIAGRAMS
T.C.	11/95	
R.L.	05/96	
T.C.	10/96	
SCALE: VERT. NONE HORIZ.		DRAWN BY G.M.
DATE 6-22-94		CHECKED BY R.L.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ST. 2009-06425	Cook		63	48
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT Cont. 60457		



SUGGESTED TAG
PANDUIT
#MP250W175-C
OR EQUIVALENT

LOOP ANALYZER					
LOCATION _____				DATE _____	
LOOP LOCATION LANE DIRECTION	LOOP WIRE MARKED AND CODED	LOOP SIZE	FREQ. INDUCTANCE	INSULATION	LOOP RESISTANCE

HDHH 1 EXAMPLE

IB-EB EXIT
CCW IN/
TO CABINET # _____

HDHH 2 EXAMPLE

IB (OB) LANE # ____
CCW /OUT
TO CABINET # _____

HDHH 3 EXAMPLE

IB-EB ENT.
LOOP #2
CW IN/

NOTE:
EACH LOOP WIRE SHALL BE TAGGED AS "IN" OR "OUT" AND "CW" OR "CCW". SHIELDED CABLE WILL BE TAGGED IN EACH HANDHOLE AND CABINET TO MATCH THE CABLE LOG.

REVISIONS	
NAME	DATE
R.L.	6/94
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

LOOP STATUS REPORT

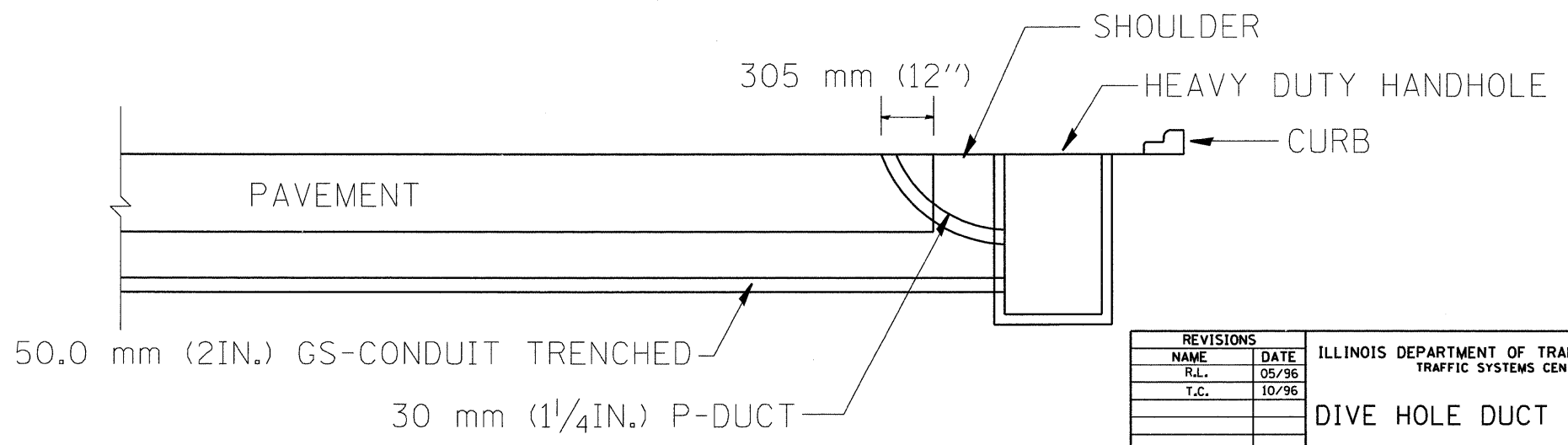
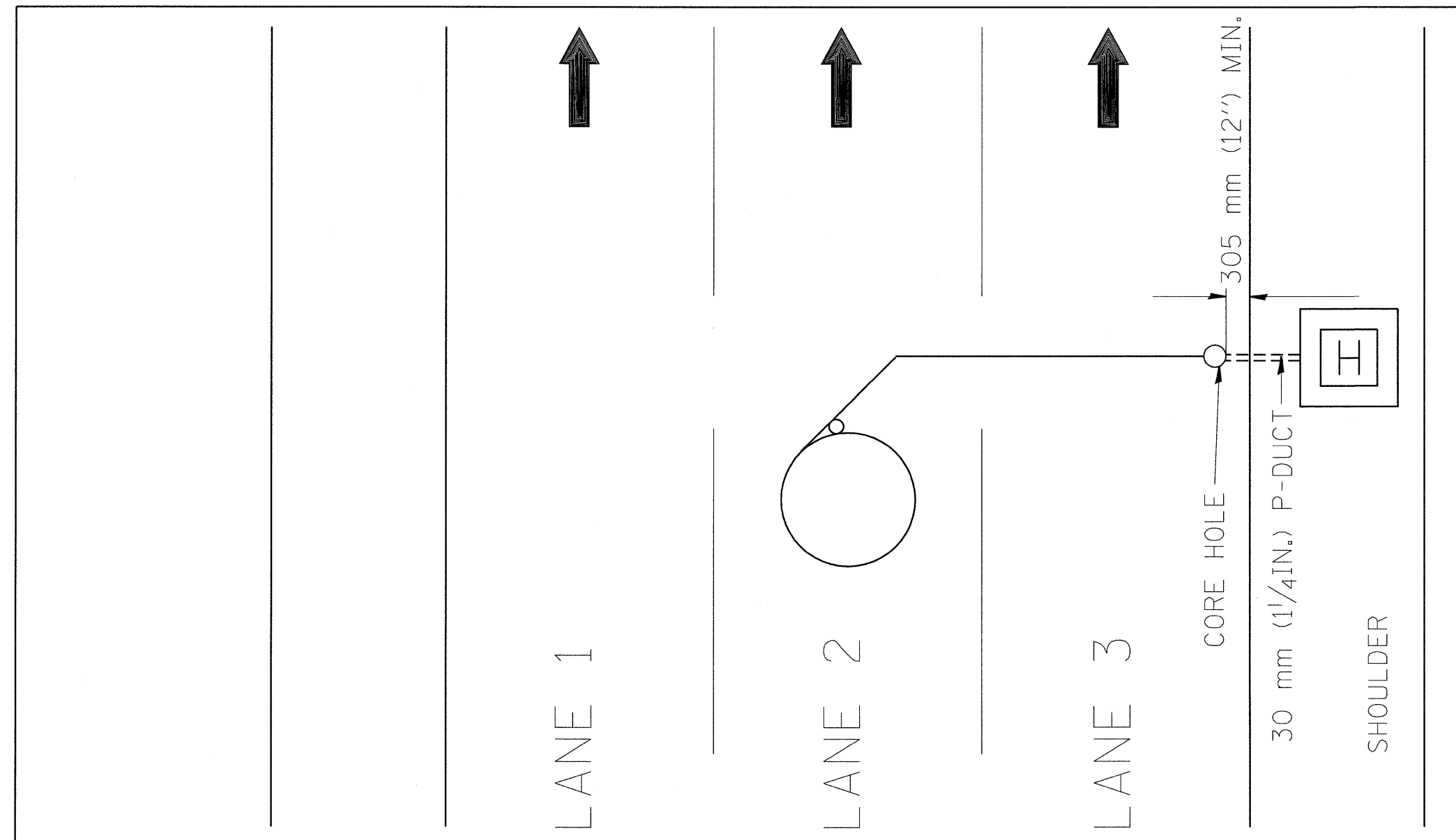
SCALE: VERT. NONE
DATE 6-27-94

DRAWN BY G.M.
CHECKED BY R.L.

RD-TYPMET.DGN
RF=

VI-4187

F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ST. 2009-04185	Cook		63	49
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. _____		ILLINOIS FED. AID PROJECT		
Cont. 60457				



REVISIONS	
NAME	DATE
R.L.	05/96
T.C.	10/96

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SYSTEMS CENTER

DIVE HOLE DUCT SYSTEM

SCALE: VERT. NONE
HORIZ. NONE

DATE 11/7/95

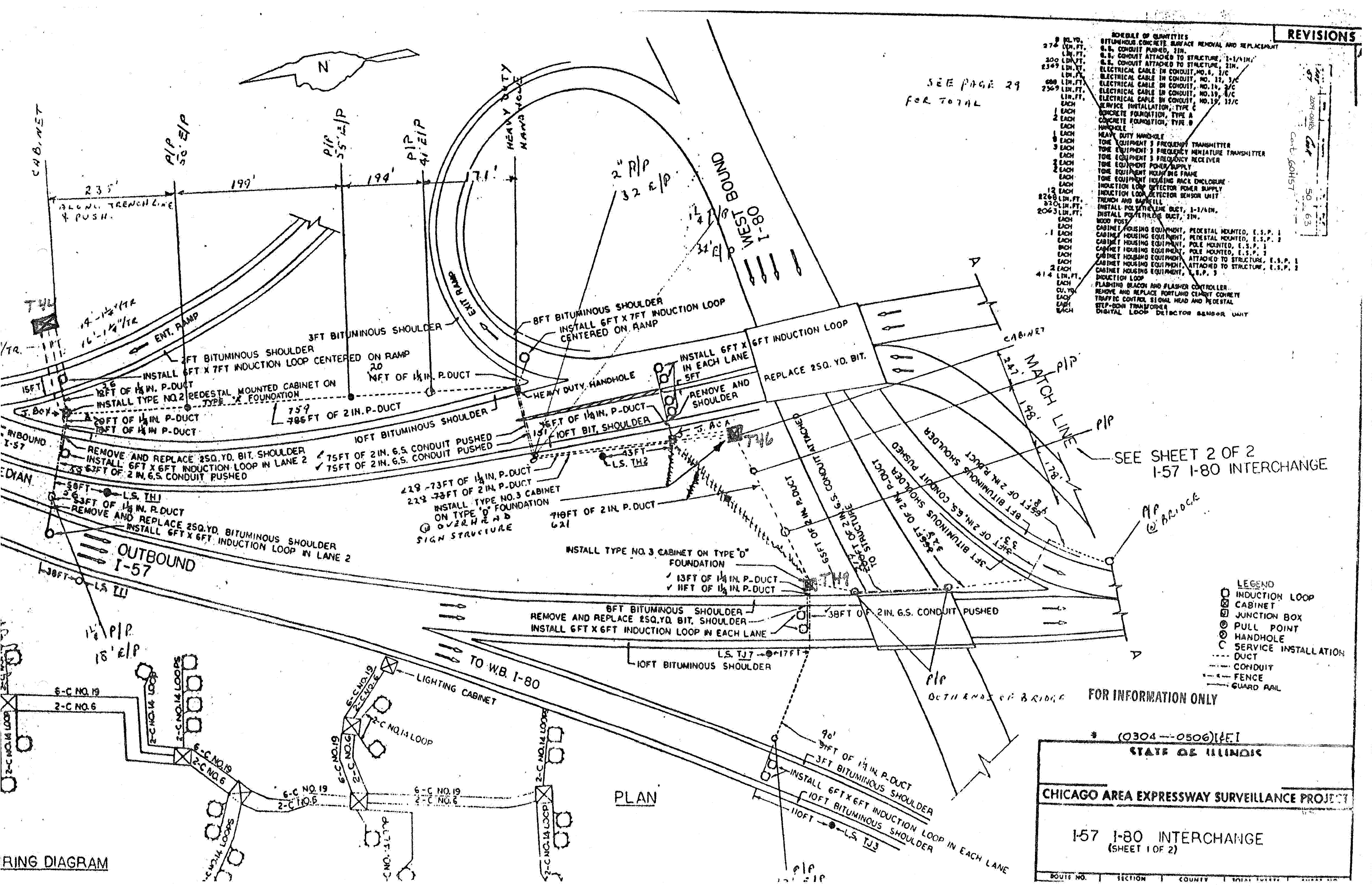
DRAWN BY G.M.
CHECKED BY R.L.

RD-TYPMET.DGN
RF=

VI-4188

SCHEDULE OF QUANTITIES	
274	LN. FT. BITUMINOUS CONCRETE SURFACE REMOVAL AND REPLACEMENT
200	LN. FT. G.S. CONDUIT ATTACHED TO STRUCTURE, 1-1/4 IN.
2349	LN. FT. G.S. CONDUIT ATTACHED TO STRUCTURE, 2 IN.
688	LN. FT. ELECTRICAL CABLE IN CONDUIT, NO. 1, 3/C
2569	LN. FT. ELECTRICAL CABLE IN CONDUIT, NO. 19, 3/C
1	EACH SERVICE INSTALLATION, TYPE C
1	EACH CONCRETE FOUNDATION, TYPE A
2	EACH CONCRETE FOUNDATION, TYPE B
1	EACH HANDHOLE
1	EACH HEAVY DUTY HANDHOLE
1	EACH TONE EQUIPMENT 3 FREQUENCY TRANSMITTER
3	EACH TONE EQUIPMENT 3 FREQUENCY MINIATURE TRANSMITTER
2	EACH TONE EQUIPMENT 3 FREQUENCY RECEIVER
2	EACH TONE EQUIPMENT POWER SUPPLY
2	EACH TONE EQUIPMENT HOLDING FRAME
12	EACH TONE EQUIPMENT INCLUDING RACK ENCLOSURE
12	EACH INDUCTION LOOP DETECTOR POWER SUPPLY
2269	LN. FT. INDUCTION LOOP DETECTOR SENSOR UNIT
320	LN. FT. TRENCH AND SANDFILL
2063	LN. FT. INSTALL POLYETHYLENE DUCT, 1-1/4 IN.
1	EACH INSTALL POLYETHYLENE DUCT, 2 IN.
1	EACH WOOD POST
1	EACH CABINET HOUSING EQUIPMENT, PEDESTAL MOUNTED, E.S.P. 1
1	EACH CABINET HOUSING EQUIPMENT, PEDESTAL MOUNTED, E.S.P. 2
1	EACH CABINET HOUSING EQUIPMENT, POLE MOUNTED, E.S.P. 1
1	EACH CABINET HOUSING EQUIPMENT, POLE MOUNTED, E.S.P. 2
1	EACH CABINET HOUSING EQUIPMENT, ATTACHED TO STRUCTURE, E.S.P. 1
2	EACH CABINET HOUSING EQUIPMENT, ATTACHED TO STRUCTURE, E.S.P. 2
414	LN. FT. INDUCTION LOOP
1	EACH FLASHING BEACON AND FLASHER CONTROLLER
1	EACH REMOVE AND REPLACE PORTLAND CEMENT CONCRETE
1	EACH TRAFFIC CONTROL SIGNAL HEAD AND PEDESTAL
1	EACH STEP-DOWN TRANSFORMER
1	EACH DIGITAL LOOP DETECTOR SENSOR UNIT

SEE PAGE 29 FOR TOTAL



SEE SHEET 2 OF 2 I-57 I-80 INTERCHANGE

- LEGEND
- INDUCTION LOOP
 - CABINET
 - ⊠ JUNCTION BOX
 - ⊙ PULL POINT
 - ⊙ HANDHOLE
 - SERVICE INSTALLATION
 - DUCT
 - CONDUIT
 - FENCE
 - GUARD RAIL

FOR INFORMATION ONLY

(0304--0506) [P.E.]

STATE OF ILLINOIS

CHICAGO AREA EXPRESSWAY SURVEILLANCE PROJECT

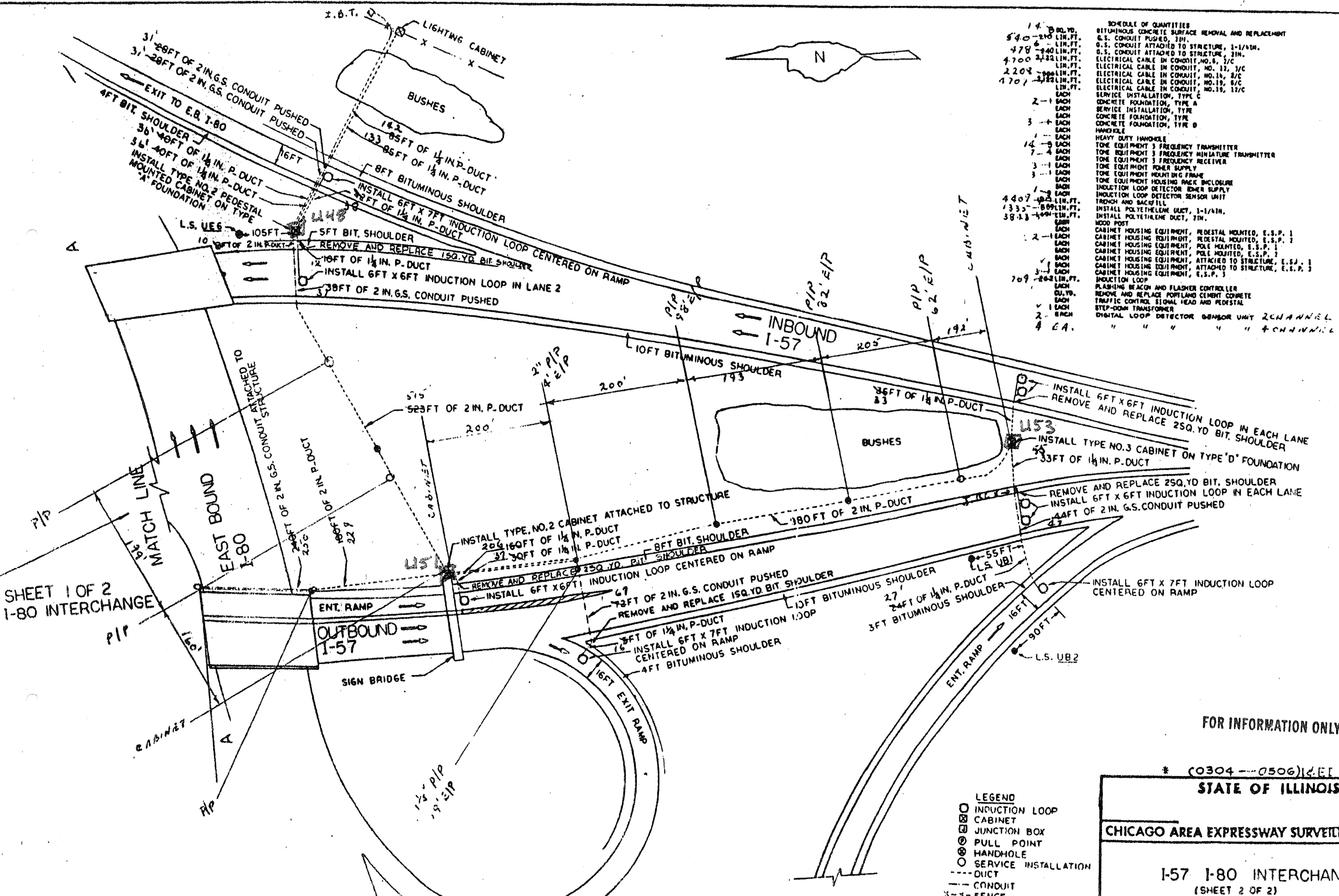
I-57 I-80 INTERCHANGE
(SHEET 1 OF 2)

RING DIAGRAM

PLAN

SCHEDULE OF QUANTITIES	
14	00. YD. BITUMINOUS CONCRETE SURFACE REMOVAL AND REPLACEMENT
540	210 LIN. FT. G.S. CONDUIT PUSHED, 2IN.
478	440 LIN. FT. G.S. CONDUIT ATTACHED TO STRUCTURE, 1-1/2IN.
4700	2122 LIN. FT. ELECTRICAL CABLE IN CONDUIT, NO. 8, 3/C
2208	1104 LIN. FT. ELECTRICAL CABLE IN CONDUIT, NO. 12, 3/C
1701	3302 LIN. FT. ELECTRICAL CABLE IN CONDUIT, NO. 18, 3/C
	2-1 EACH SERVICE INSTALLATION, TYPE C
	2-1 EACH CONCRETE FOUNDATION, TYPE A
	3-1 EACH SERVICE INSTALLATION, TYPE B
	3-1 EACH CONCRETE FOUNDATION, TYPE B
	3-1 EACH CONCRETE FOUNDATION, TYPE D
	1-1 EACH HANDHOLE
	1-1 EACH HEAVY DUTY HANDHOLE
	1-1 EACH TONE EQUIPMENT 3 FREQUENCY TRANSMITTER
	7-4 EACH TONE EQUIPMENT 3 FREQUENCY MINIATURE TRANSMITTER
	3-1 EACH TONE EQUIPMENT 3 FREQUENCY RECEIVER
	3-1 EACH TONE EQUIPMENT POWER SUPPLY
	3-1 EACH TONE EQUIPMENT MOUNTING FRAME
	1-1 EACH TONE EQUIPMENT HOUSING RACK ENCLOSURE
	1-1 EACH INDUCTION LOOP DETECTOR POWER SUPPLY
	1-1 EACH TRENCH AND BACKFILL
4407	8814 LIN. FT. INSTALL POLYETHYLENE DUCT, 1-1/2IN.
1335	6675 LIN. FT. INSTALL POLYETHYLENE DUCT, 7IN.
38-13	457-13 LIN. FT. WOOD POST
	2-1 EACH CABINET HOUSING EQUIPMENT, PEDESTAL MOUNTED, E.S.P. 1
	2-1 EACH CABINET HOUSING EQUIPMENT, PEDESTAL MOUNTED, E.S.P. 2
	3-1 EACH CABINET HOUSING EQUIPMENT, POLE MOUNTED, E.S.P. 1
	3-1 EACH CABINET HOUSING EQUIPMENT, POLE MOUNTED, E.S.P. 2
	3-1 EACH CABINET HOUSING EQUIPMENT, ATTACHED TO STRUCTURE, E.S.P. 1
	3-1 EACH CABINET HOUSING EQUIPMENT, ATTACHED TO STRUCTURE, E.S.P. 2
	3-1 EACH CABINET HOUSING EQUIPMENT, ATTACHED TO STRUCTURE, E.S.P. 3
	1-1 EACH INDUCTION LOOP
	1-1 EACH FLASHING BEACON AND FLASHER CONTROLLER
	1-1 EACH REMOVE AND REPLACE PORTLAND CEMENT CONCRETE
	1-1 EACH TRAFFIC CONTROL SIGNAL HEAD AND PEDESTAL
	1-1 EACH STEP-DOWN TRANSFORMER
	1-1 EACH DIGITAL LOOP DETECTOR SENSOR UNIT 2 CHANNEL
	1-1 EACH " " " " " " 4 CHANNEL
	4 EA.

65
2004-0618 & Cont
51
63
Cont: 60157



SHEET 1 OF 2
I-80 INTERCHANGE

FOR INFORMATION ONLY

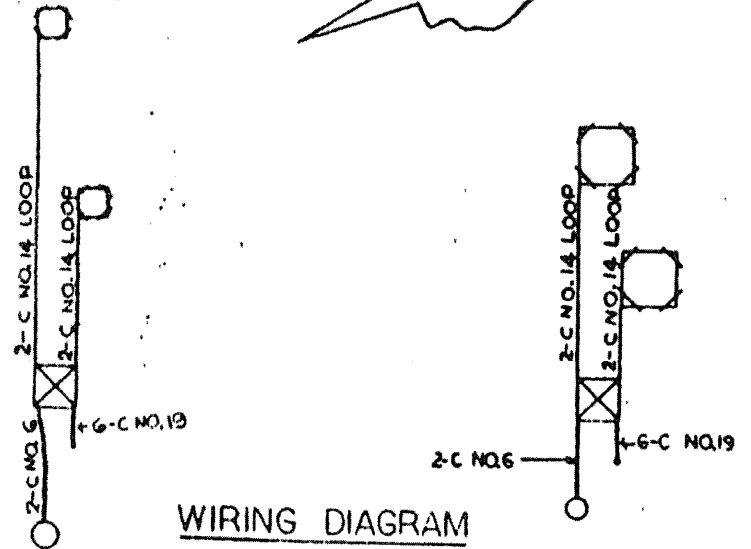
*(0304-0506)14.E1
STATE OF ILLINOIS

CHICAGO AREA EXPRESSWAY SURVEILLANCE PROJECT

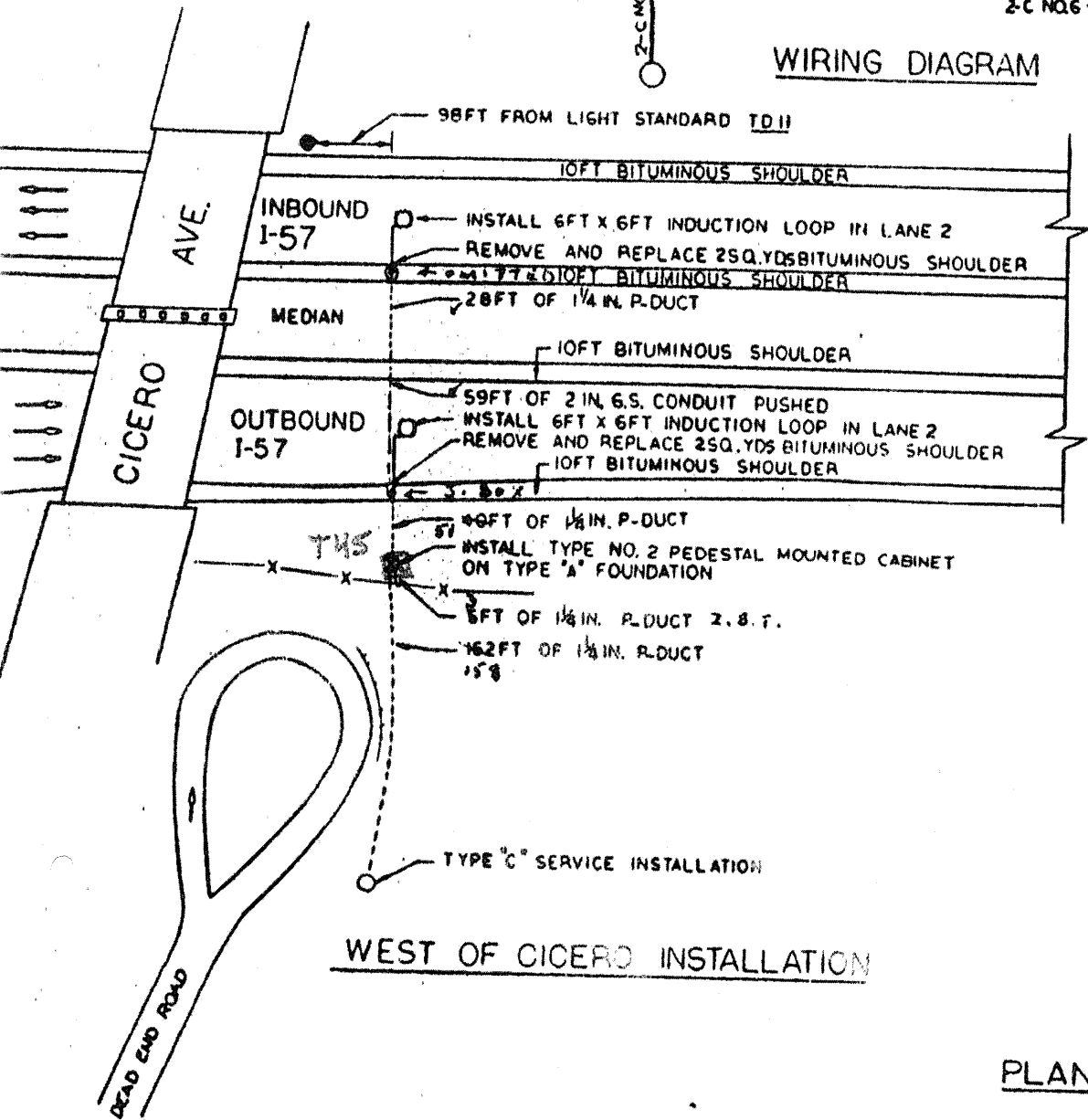
I-57 I-80 INTERCHANGE
(SHEET 2 OF 2)

- LEGEND
- INDUCTION LOOP
 - CABINET
 - JUNCTION BOX
 - PULL POINT
 - HANDHOLE
 - SERVICE INSTALLATION
 - DUCT
 - CONDUIT
 - X-X- FENCE

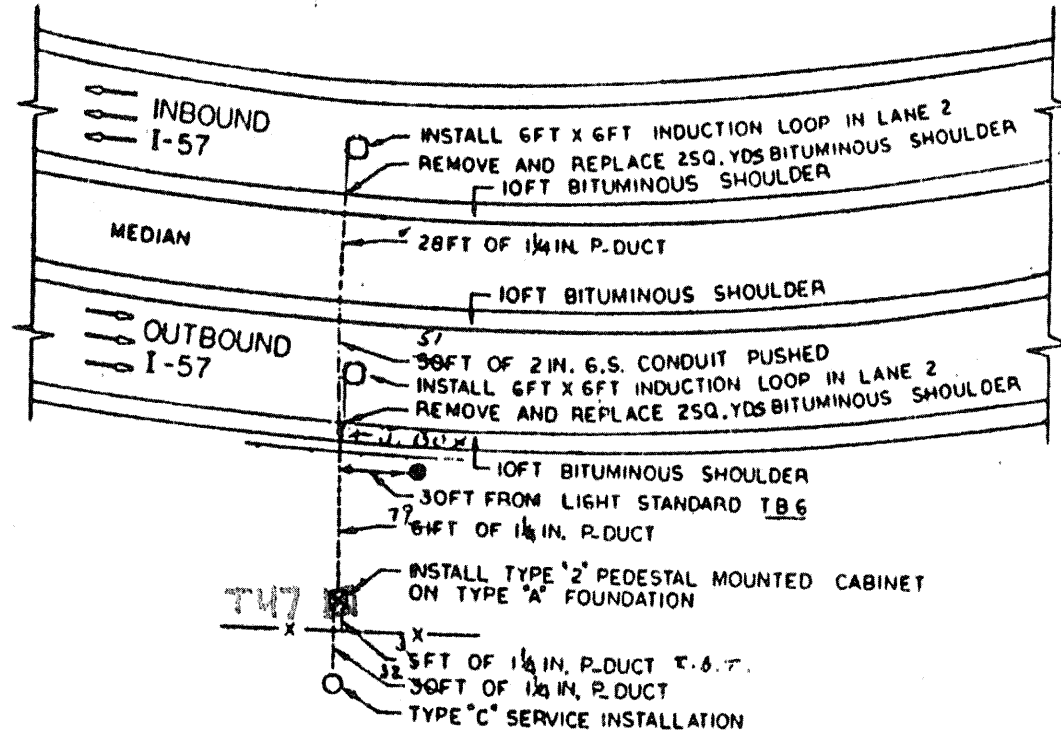
SCHEDULE OF QUANTITIES	
BITUMINOUS CONCRETE SURFACE REMOVAL AND REPLACEMENT	
G.S. CONDUIT PUSHED, 2IN.	110 LIN. FT.
G.S. CONDUIT ATTACHED TO STRUCTURE, 1-1/4IN.	192 LIN. FT.
ELECTRICAL CABLE IN CONDUIT, NO. 6, 2/C	436 LIN. FT.
ELECTRICAL CABLE IN CONDUIT, NO. 11, 2/C	17 LIN. FT.
ELECTRICAL CABLE IN CONDUIT, NO. 11, 6/C	17 LIN. FT.
ELECTRICAL CABLE IN CONDUIT, NO. 11, 12/C	17 LIN. FT.
SERVICE INSTALLATION, TYPE C	2 EACH
CONCRETE FOUNDATION, TYPE A	2 EACH
CONCRETE FOUNDATION, TYPE B	2 EACH
HANDHOLE	2 EACH
HEAVY DUTY HANDHOLE	2 EACH
TONE EQUIPMENT 3 FREQUENCY TRANSMITTER	4 EACH
TONE EQUIPMENT 3 FREQUENCY MINIATURE TRANSMITTER	4 EACH
TONE EQUIPMENT 3 FREQUENCY RECEIVER	4 EACH
TONE EQUIPMENT POWER SUPPLY	4 EACH
TONE EQUIPMENT MOUNTING FRAME	4 EACH
TONE EQUIPMENT MOUNTING RACK ENCLOSURE	4 EACH
INDUCTION LOOP DETECTOR POWER SUPPLY	4 EACH
INDUCTION LOOP DETECTOR SENSOR UNIT	4 EACH
TRENCH AND BACKFILL	381 - 393 LIN. FT.
INSTALL POLYETHYLENE DUCT, 1-1/4IN.	371 - 343 LIN. FT.
INSTALL POLYETHYLENE DUCT, 2IN.	2 EACH
WOOD POST	2 EACH
CABINET HOUSING EQUIPMENT, PEDESTAL MOUNTED, E.S.P. 1	2 EACH
CABINET HOUSING EQUIPMENT, PEDESTAL MOUNTED, E.S.P. 2	2 EACH
CABINET HOUSING EQUIPMENT, POLE MOUNTED, E.S.P. 1	2 EACH
CABINET HOUSING EQUIPMENT, POLE MOUNTED, E.S.P. 2	2 EACH
CABINET HOUSING EQUIPMENT, ATTACHED TO STRUCTURE, E.S.P. 1	2 EACH
CABINET HOUSING EQUIPMENT, ATTACHED TO STRUCTURE, E.S.P. 2	2 EACH
CABINET HOUSING EQUIPMENT, E.S.P. 3	2 EACH
INDUCTION LOOP	2 EACH
FLASHING BEACON AND FLASHER CONTROLLER	2 EACH
REMOVE AND REPLACE PORTLAND CEMENT CONCRETE	2 EACH
TRAFFIC CONTROL SIGNAL HEAD AND PEDESTAL	2 EACH
STEP-DOWN TRANSFORMER	2 EACH
DIGITAL LOOP DETECTOR SENSOR UNIT 2 CHANNEL	2 EACH



WIRING DIAGRAM



WEST OF CICERO INSTALLATION



1/2 MILE WEST OF CICERO AVE.

PLAN

LEGEND

○	INDUCTION LOOP
□	CABINET
⊕	JUNCTION BOX
●	PULL POINT
○	SERVICE INSTALLATION
⊙	HANDHOLE
---	DUCT
---	CONDUIT
X-X	FENCE
---	GUARD RAIL

FOR INFORMATION ONLY

* (0304 - 0506) 14 E 1

STATE OF ILLINOIS

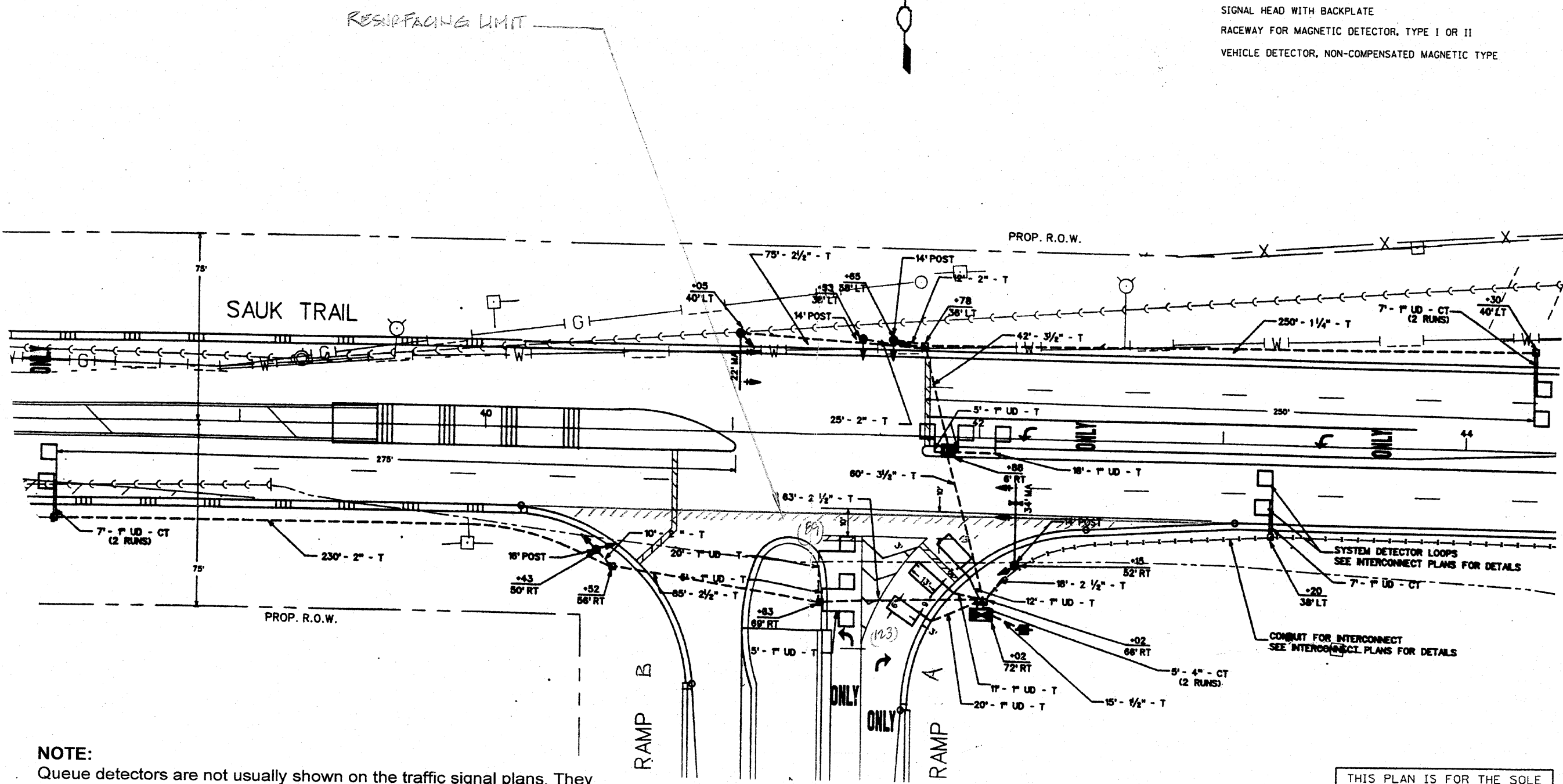
CHICAGO AREA EXPRESSWAY SURVEILLANCE PROJECT

WEST OF CICERO AVE. INSTALLATION
1/2 MILE WEST CICERO AVE.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



NOTE:
 Queue detectors are not usually shown on the traffic signal plans. They may exist further out from the signalized intersection on the exit ramps. The Resident Engineer shall review along the ramp limits as shown on the resurfacing plans for these detectors and add to the replacement quantities as indicated on this plan.

THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
86600600	212	FOOT	DETECTOR LOOP, REPLACEMENT

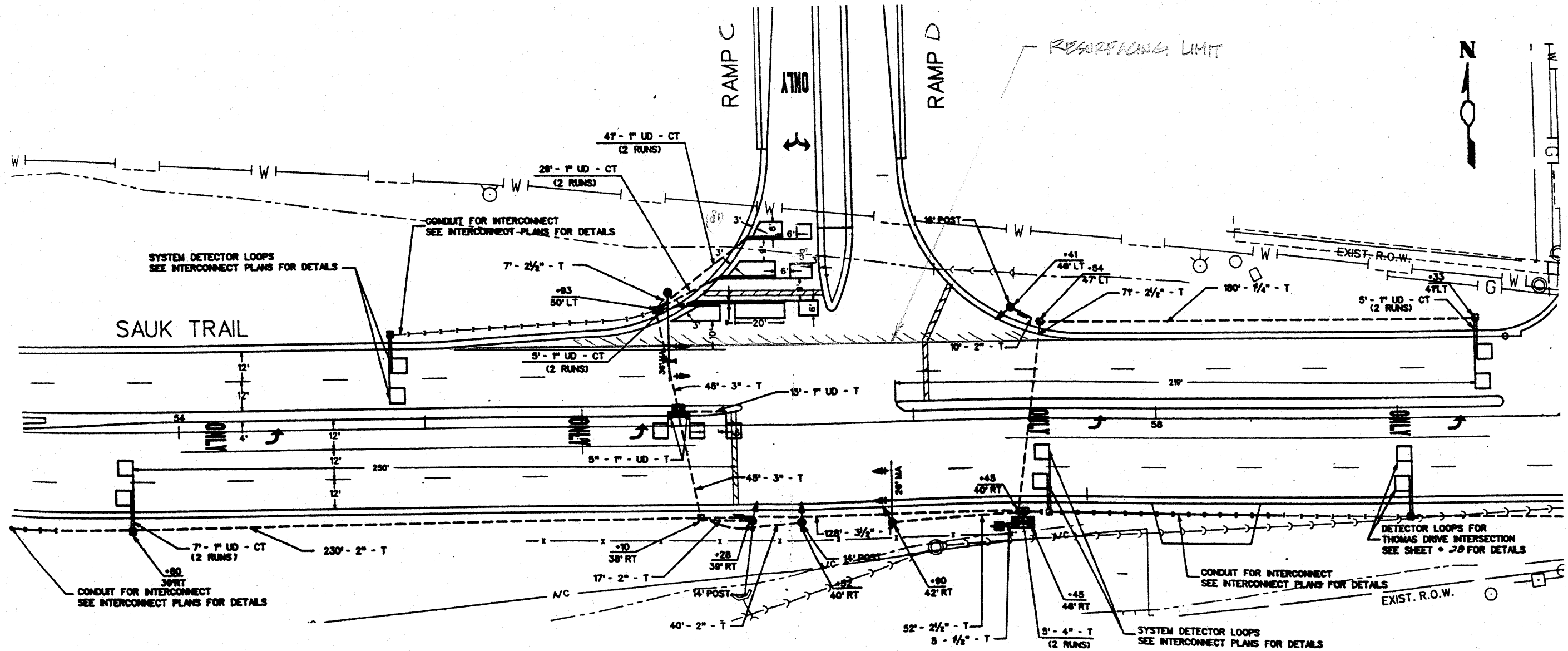
FILE NAME =	USER NAME = kenthphixaybc	DESIGNED - BCK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE - DETECTOR LOOP REPLACEMENT I-57 RAMP A & B @ SAUK TRAIL	F.A.I. RTE. = 57	SECTION = 2009-064 RS	COUNTY = COOK	TOTAL SHEETS = 63	SHEET NO. = 52A
CONTRACT NO. =	DATE = 4/3/2009	DRAWN - BCK	REVISED -			SHEET NO. OF SHEETS =	TO STA. =	FED. ROAD DIST. NO. =	ILLINOIS FED. AID PROJECT = 60H57	
CHECKED - DAD	DATE =	REVISIONS:	REVISIONS:							
PLOT SCALE = 3/8" = 1' IN.										

TRAFFIC SIGNAL LEGEND

NOTE:

Queue detectors are not usually shown on the traffic signal plans. They may exist further out from the signalized intersection on the exit ramps. The Resident Engineer shall review along the ramp limits as shown on the resurfacing plans for these detectors and add to the replacement quantities as indicated on this plan.

	PROPOSED	EXISTING
DETECTOR LOOP		
SIGNAL HEAD		
G.S. CONDUIT IN TRENCH OR PUSHED		
SIGNAL HEAD WITH BACKPLATE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR II		
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE		



THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENTS ONLY

REPLACE ALL DETECTOR LOOPS AS SHOWN (WITHIN THE RESURFACING LIMITS)

CODE	QUANTITY	UNIT	ITEM
86600600		FOOT	DETECTOR LOOP, REPLACEMENT

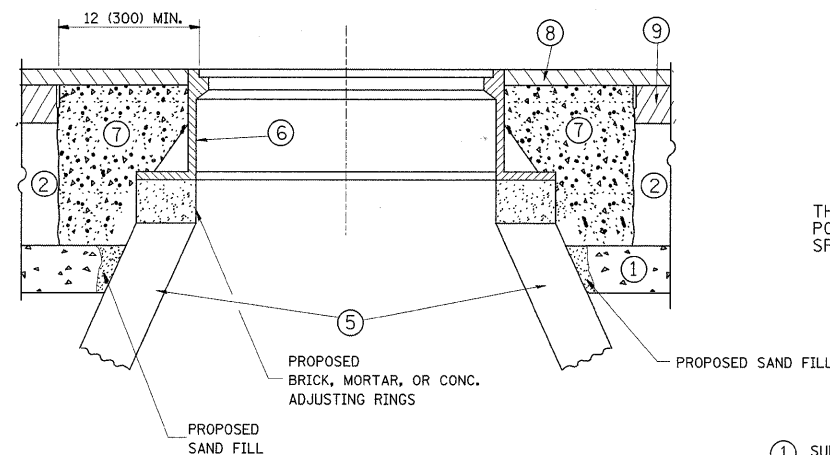
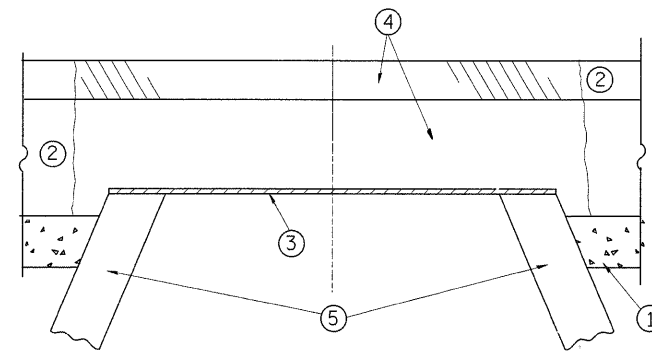
FILE NAME =	USER NAME = kantarhaphi.kaybc	DESIGNED - BCK	REVISED -
c:\pwwork\pwwork\KANTARHAPHI\KAYBC\081126	4\traffic.legend.v7.dgn	DRAWN - BCK	REVISED -
	PLOT SCALE = 3/4" = 1' IN.	CHECKED - DAD	REVISED -
	PLOT DATE = 4/3/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE - DETECTOR LOOP REPLACEMENT
I-57 RAMP "C" & "D" @ SAUK TRAIL**

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57	2009-064 RS	COOK	63	52B
CONTRACT NO.				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT 60H57				



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 1 1/2 (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 SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS SI CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- 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: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

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.

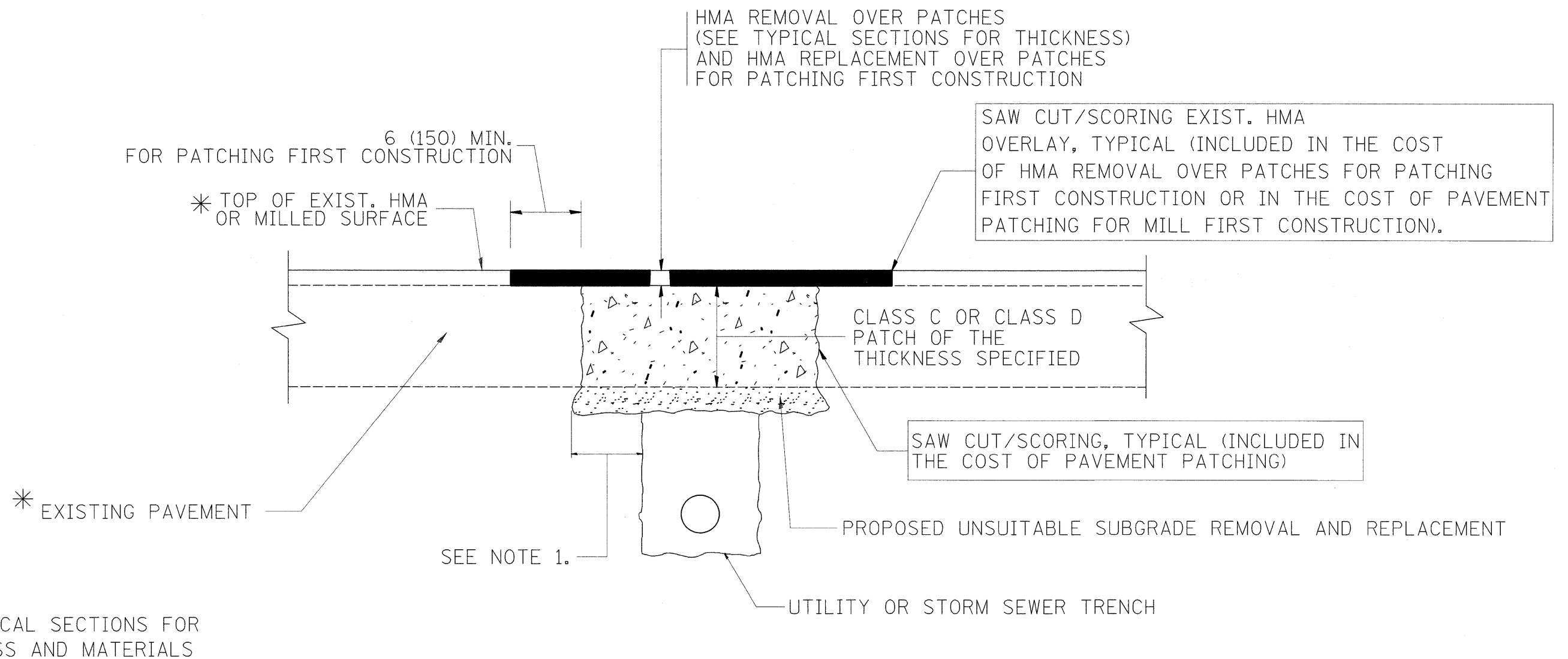
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = abebowe	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\PWIDOT\ABEBOWA\0142330\Dis	std.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97			I-57	2009-064 RS	COOK	63	53	
	PLOT SCALE = 50.0000' / 1" IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04			BD600-03 (BD-8)		CONTRACT NO. 60H57			
	PLOT DATE = 6/29/2009	DATE - 10-25-94	REVISED - R. BORO 01-01-07			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

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)

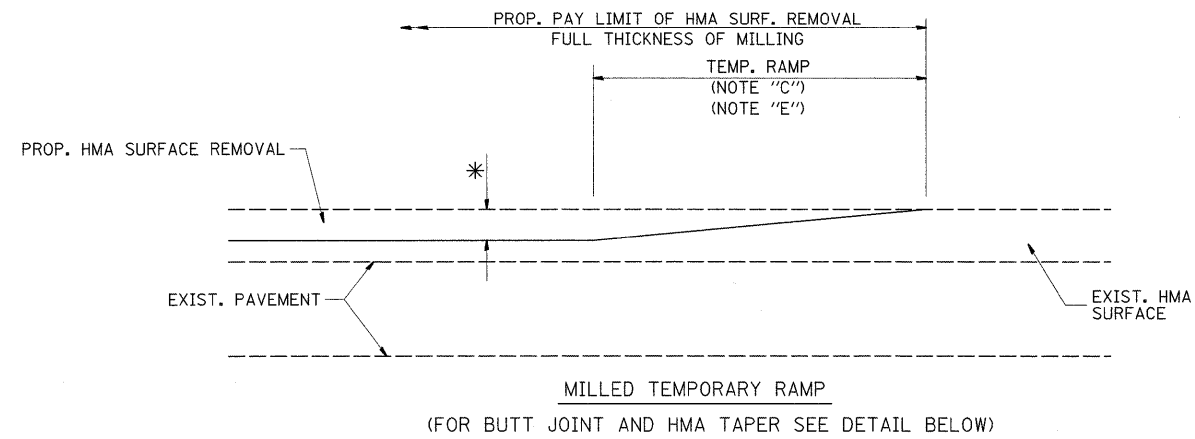
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

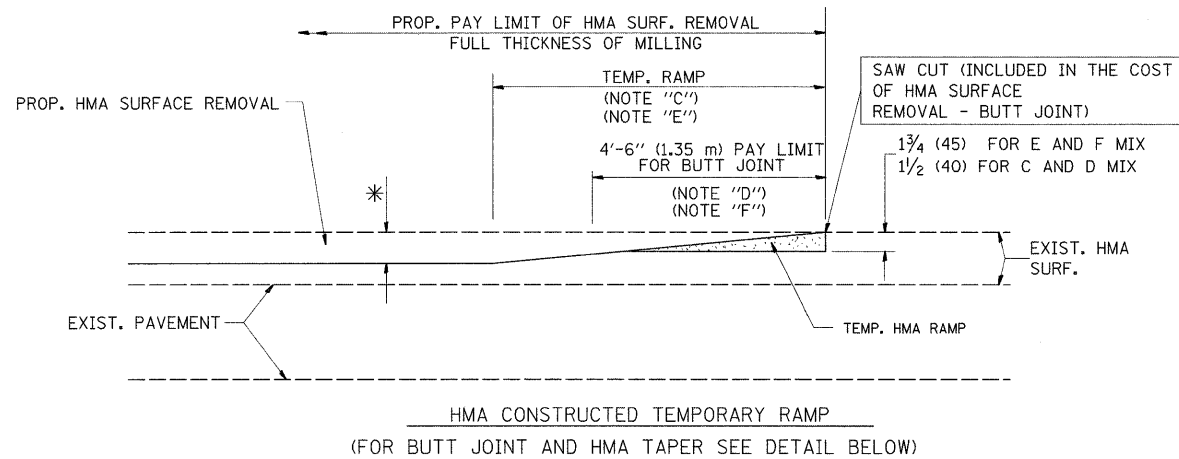
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME =	USER NAME = ababawa	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\XPWIDOT\ABEBAWA\0142330\Dist	td.dgn	DRAWN -	REVISED - R. BORO 01-01-07			I-57	2009-064 RS	COOK	63	54
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED - R. BORO 09-04-07			BD400-04 (BD-22)		CONTRACT NO. 60H57		
	PLOT DATE = 6/29/2009	DATE - 10-25-94	REVISED - K. ENG 10-27-08			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	

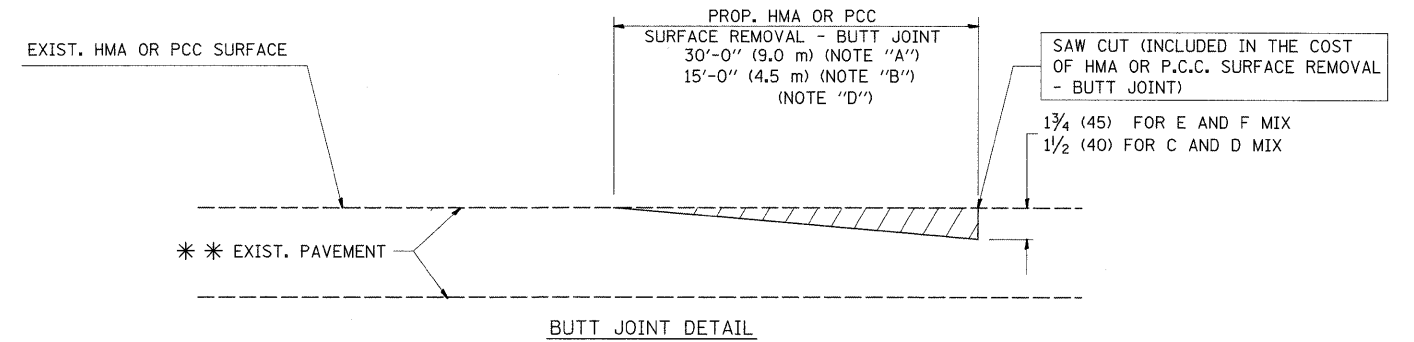


OPTION 1

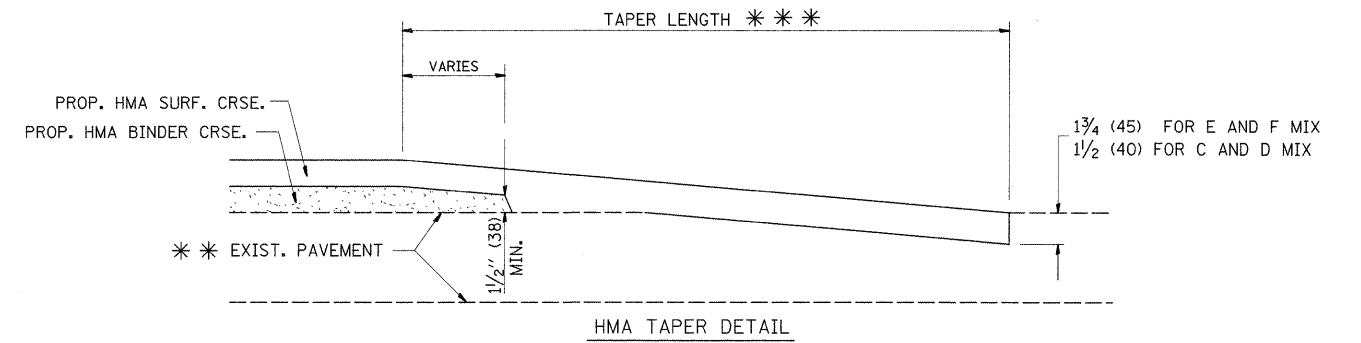


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

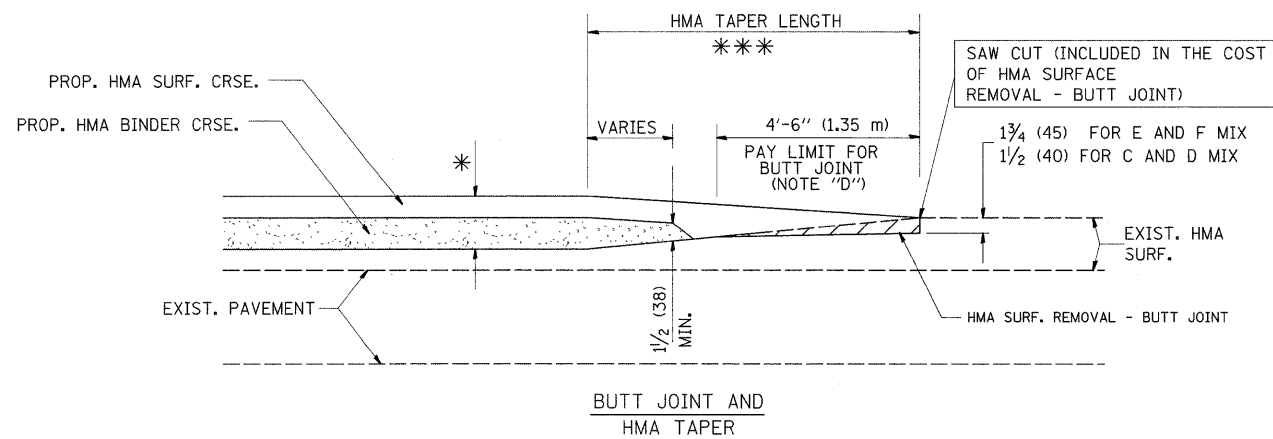
NOTES

- 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.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 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 PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

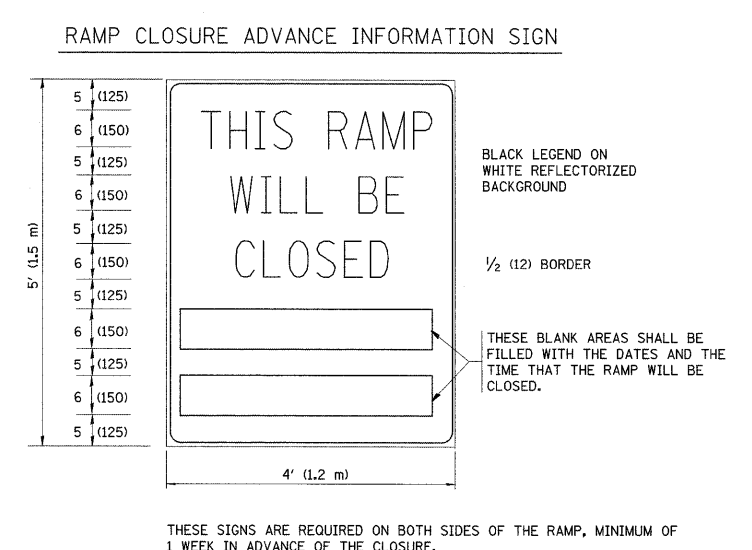
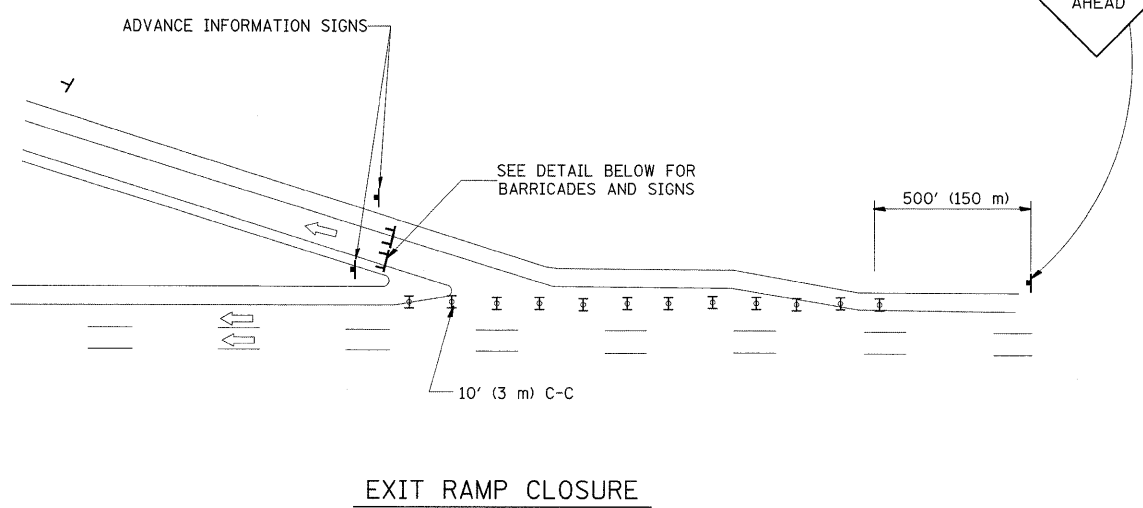
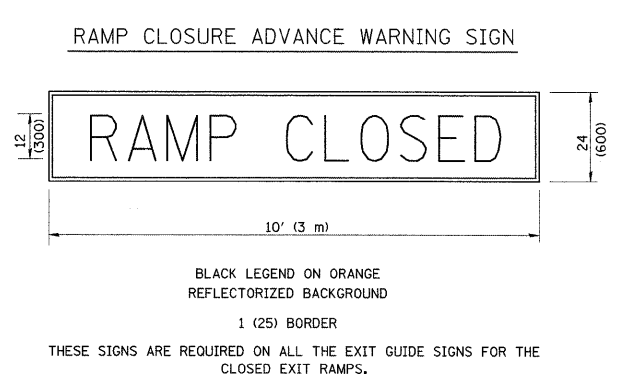
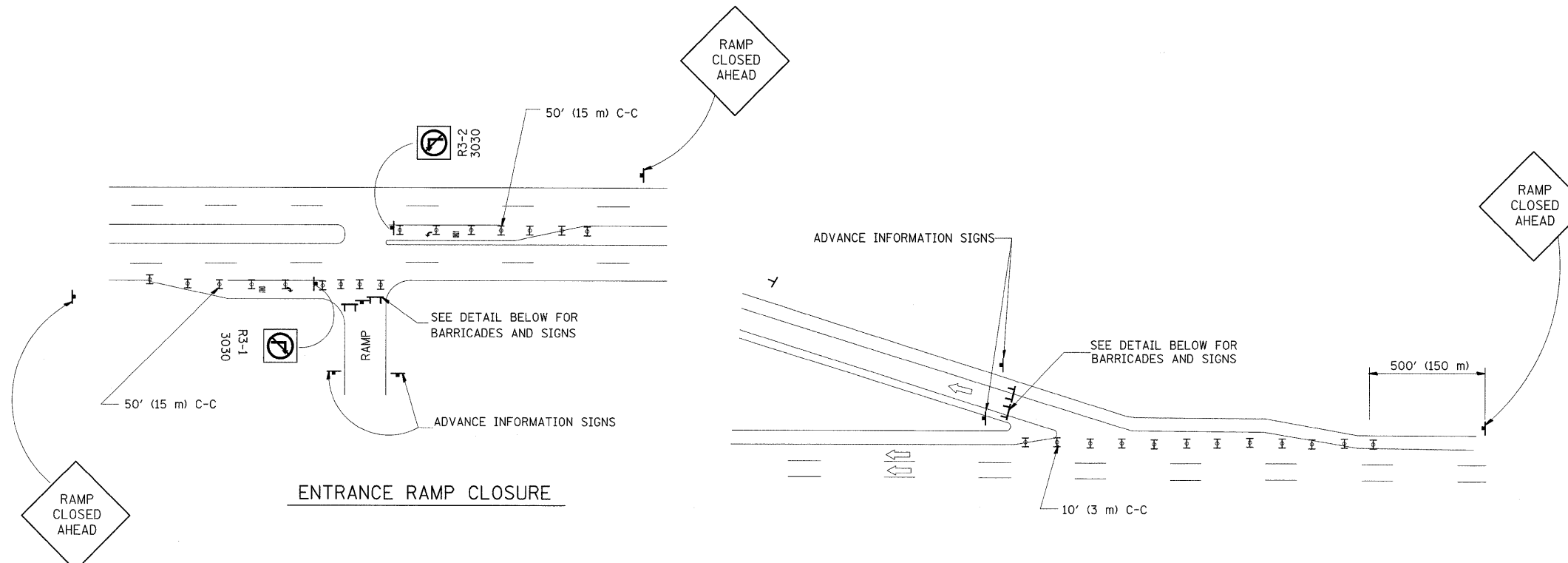
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



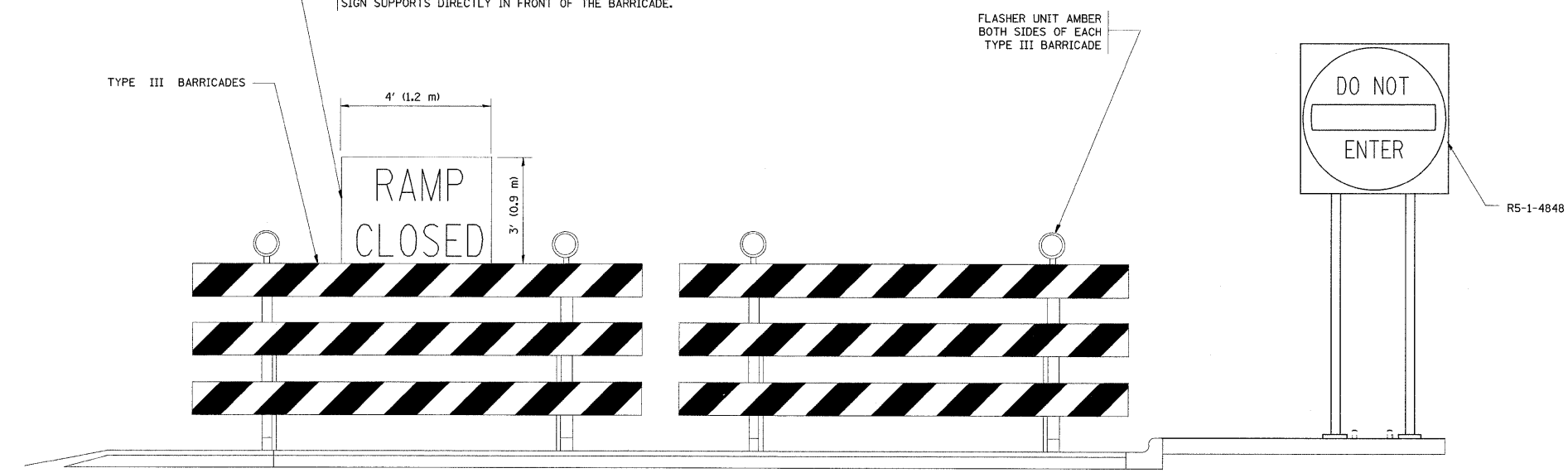
BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME =	USER NAME = ababawa	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\VPWIDOT\ABEBAWA\d0142330\Dist	td.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97		I-57	2009-064 RS	COOK	63	55			
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01		BD400-05 BD32			CONTRACT NO. 60H57				
	PLOT DATE = 6/29/2009	DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			



THE "RAMP CLOSED" SIGN SHALL BE B/W WITH 8 (200) CAPS. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.



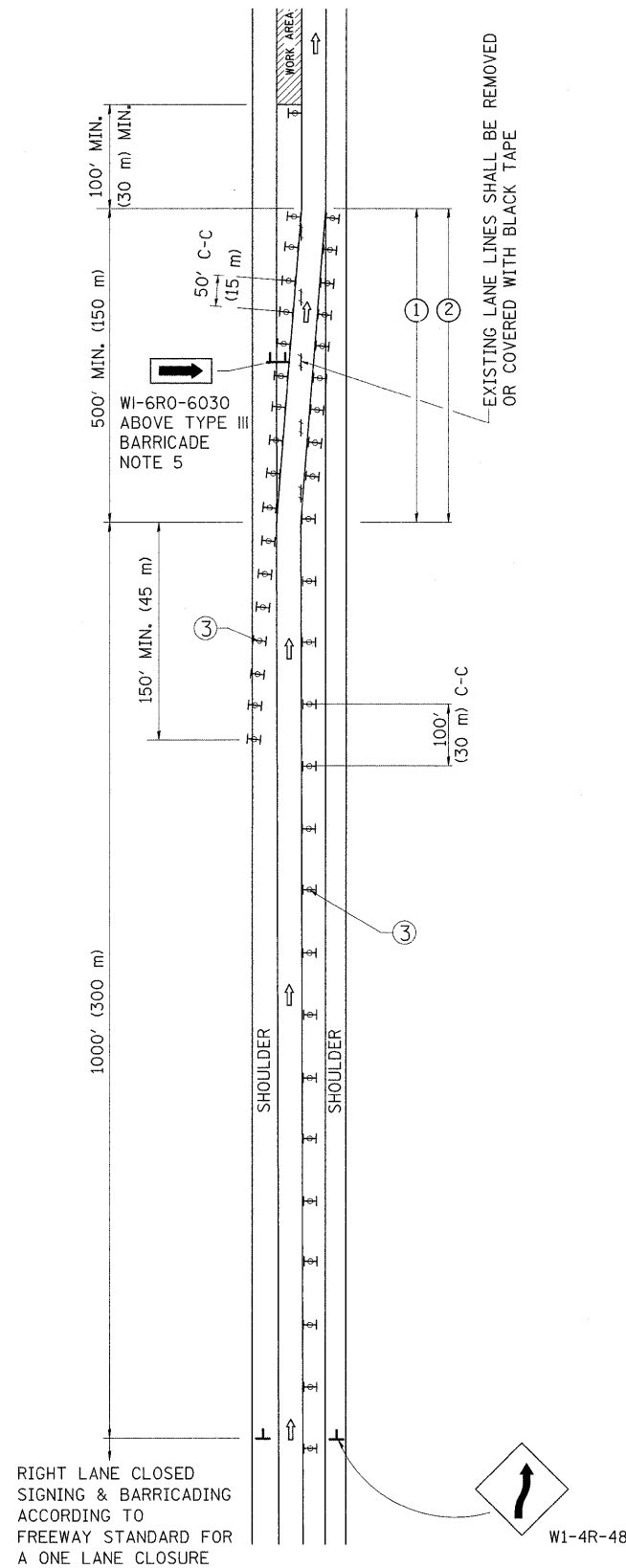
- GENERAL NOTES:**
1. CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
 2. STEADY BURN LIGHTS WILL NOT BE REQUIRED FOR DAY OPERATIONS.
 3. A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES.
 4. ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED.
 5. THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
 6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
 7. THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED TWENTY-FOUR (24) HOURS IN LENGTH.

- SYMBOLS**
- ▬ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
 - ▬ TYPE III BARRICADE WITH FLASHING LIGHT

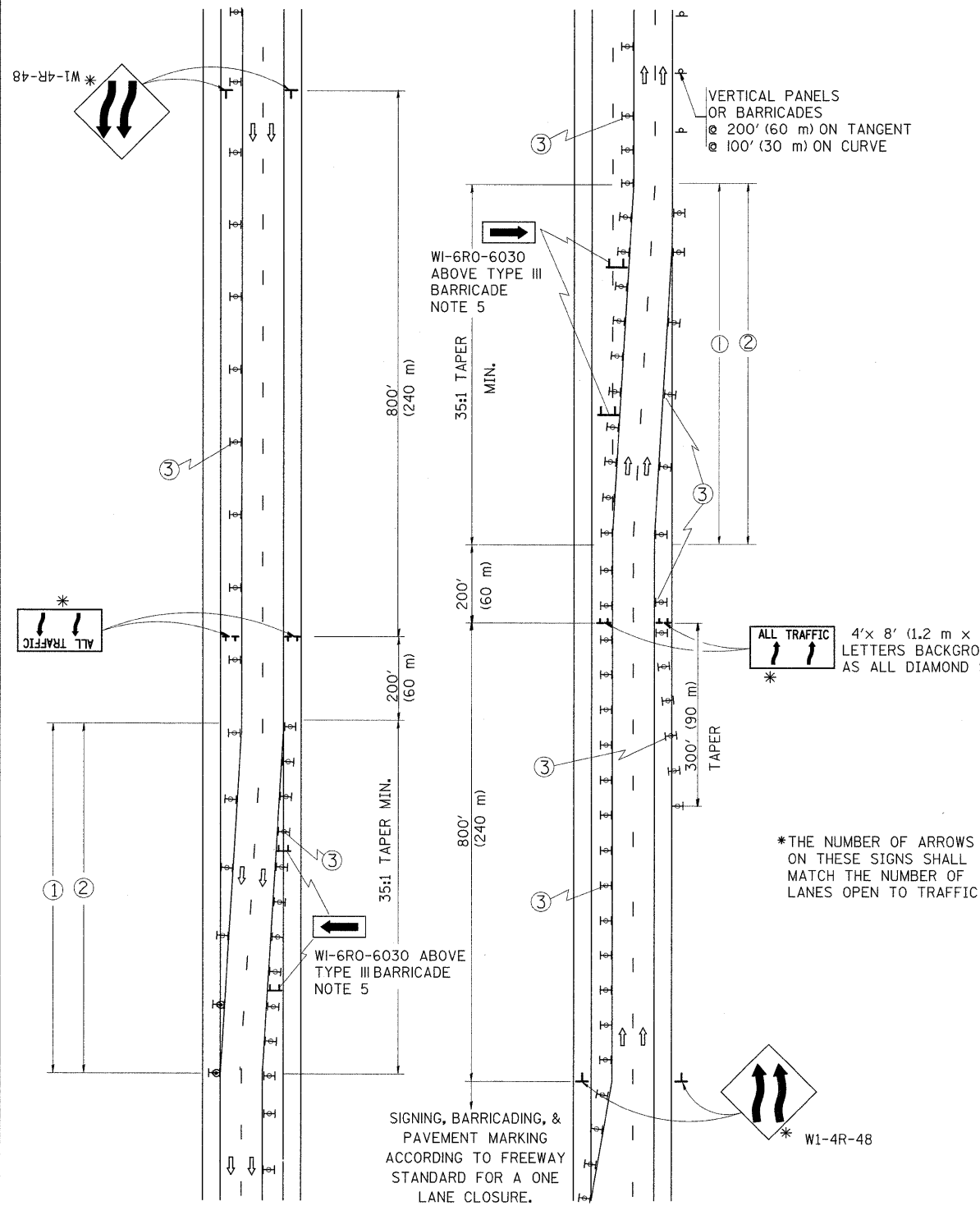
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = abebawa	DESIGNED - DWS	REVISED - DWS 12-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FREWAY ENTRANCE AND EXIST RAMP CLOSURE DETAILS			F.A.I. RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 56
c:\pw_work\p\WIDOT\ABEBAWA\0142330\01st.dgn		DRAWN -	REVISED - DWS/JAF 12-02		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			TC-08		CONTRACT NO. 60H57		
		CHECKED -	REVISED - JAF 02-06									
		DATE - 02-83	REVISED - SPB 01-07									

SINGLE LANE WEAVE



MULTI-LANE WEAVE



GENERAL NOTES

- ① EXISTING CONFLICTING PAVEMENT MARKING LINES SHALL BE REMOVED OR COVERED WITH BLACK TAPE. PAVEMENT MARKING REMOVAL OR BLACK TAPE SHALL NOT BE REQUIRED FOR LANE CLOSURES UNDER 24 HOURS IN DURATION.
- ② CONTINUOUS REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE TAPER AND FOR 300' (90 m) ALONG SIDE THE WORK AREA WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS. THE LEFT EDGE LINE SHALL BE YELLOW AND THE RIGHT EDGE LINE SHALL BE WHITE. FOR MULTI-LANE WEAVE LANE LINES SHALL BE 10'-30' (3 m-9 m) SKIP DASH, WHITE.
- ③ PLASTIC DRUMS WITH STEADY BURN LIGHTS AT 50' (15 m) C-C SPACING IN TAPERS AND 100' (30 m) C-C SPACING IN TANGENTS.
- ④ ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ⑤ IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON NCHRP 350 TEMPORARY SIGN SUPPORTS DIRECTLY IN FRONT OF THE BARRICADE.
- ⑥ IF THE WIDTH OF OFFSET IS LESS THAN 6' THEN THE TYPE III BARRICADE WITH ATTACHED ARROW SIGN PANEL CAN BE ELIMINATED IN THE TAPER AREAS.

4' x 8' (1.2 m x 2.4 m); 1 (25) BORDER; 10 (250) CAPITAL LETTERS BACKGROUND SHEETING SHALL BE THE SAME AS ALL DIAMOND SHAPED CONSTRUCTION SIGNS.

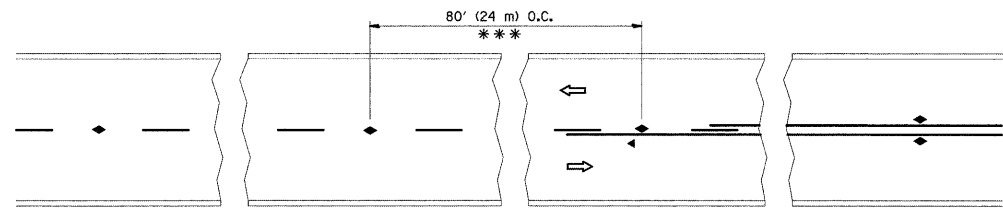
*THE NUMBER OF ARROWS ON THESE SIGNS SHALL MATCH THE NUMBER OF LANES OPEN TO TRAFFIC

SYMBOLS

- ↑ DIRECTION OF TRAFFIC
- ▨ WORK AREA
- ┌ SIGN ON PORTABLE OR PERMANENT SUPPORT
- ⊞ TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

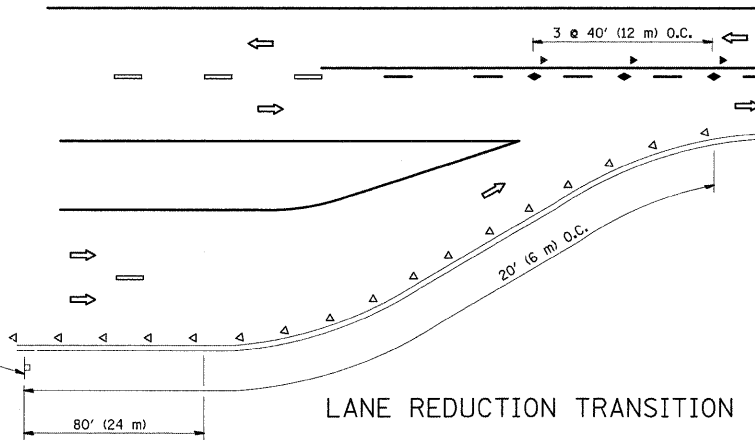
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = abebawa	DESIGNED - DWS	REVISED - DWS 11-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SINGLE & MULTI-LANE WEAVE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\pwork\DOT\ABEBAWA\0142330\Drawings\dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - JAF 01-03			I-57	2009-064 RS	COOK	63	57	
PLOT DATE = 6/29/2009	CHECKED -	REVISED - JAF 02-06	REVISED - SPB 01-07			TC-09		CONTRACT NO. 60H57			
	DATE - 02-87					SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	

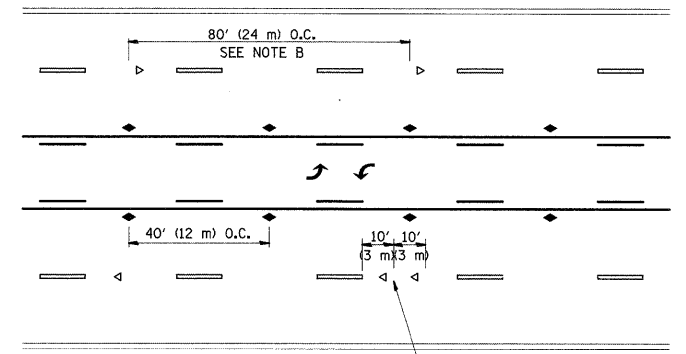


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

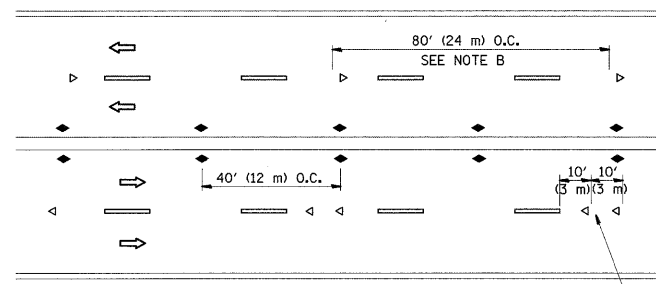
TWO-LANE/TWO-WAY



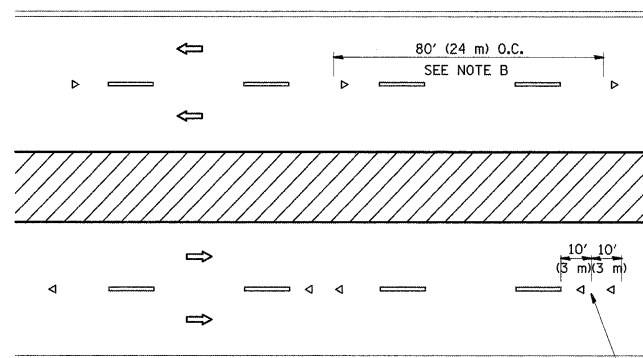
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

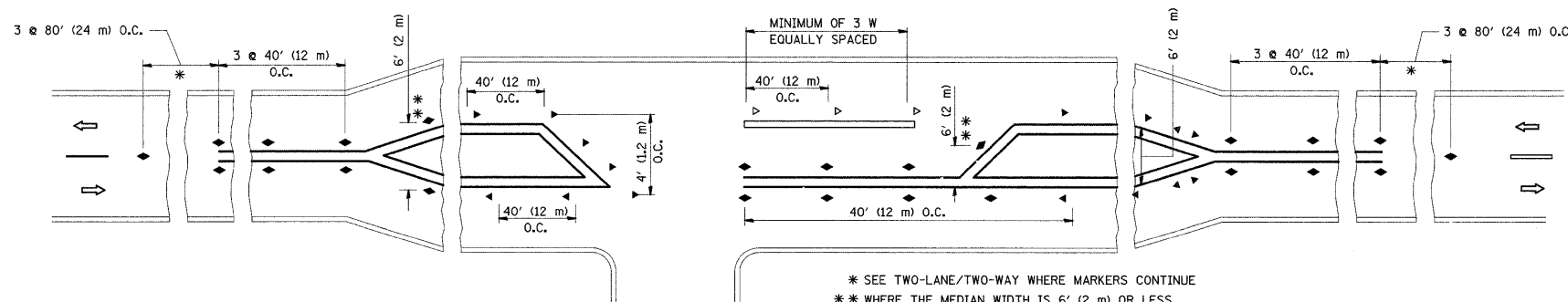
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.

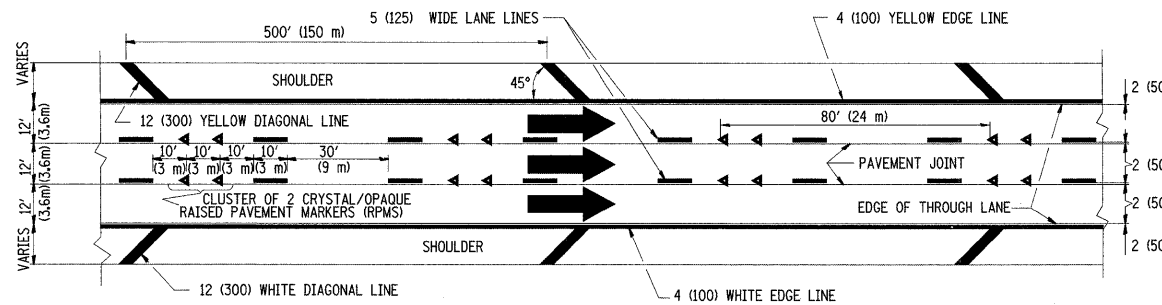


LEFT TURN

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

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\PWIDOT\ABEBAWA\d0142330\Dist	td.dgn	DRAWN -	REVISED - T. RAMMACHER 03-12-99		RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			I-57	2009-064 RS	COOK	63	58
		CHECKED -	REVISED - T. RAMMACHER 01-06-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-11		CONTRACT NO. 60H57	
		DATE -	REVISED -		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

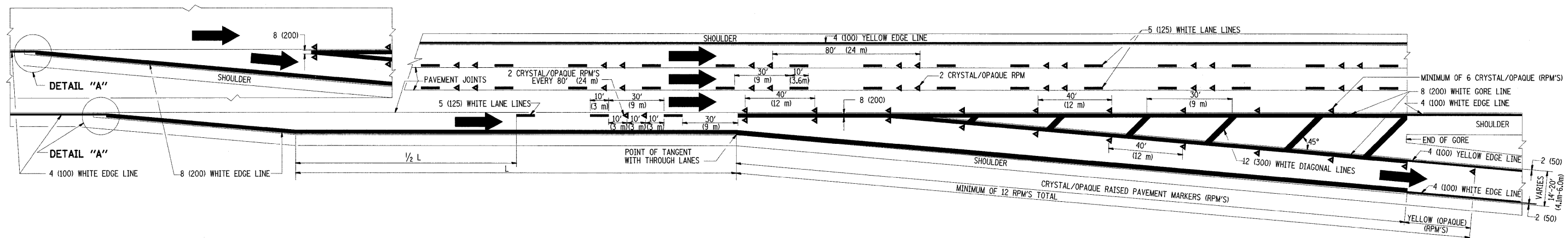
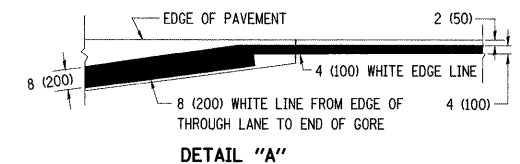
THE DIAGONAL LINES SHALL BE SPACED AT 40' (12 m) C-C ACROSS ALL STRUCTURES WHICH ARE 500' (150 m) OR LESS IN LENGTH
THE DIAGONAL LINES ARE NOT REQUIRED ON SHOULDERS WHICH ARE 6' (1.8 m) OR LESS IN WIDTH



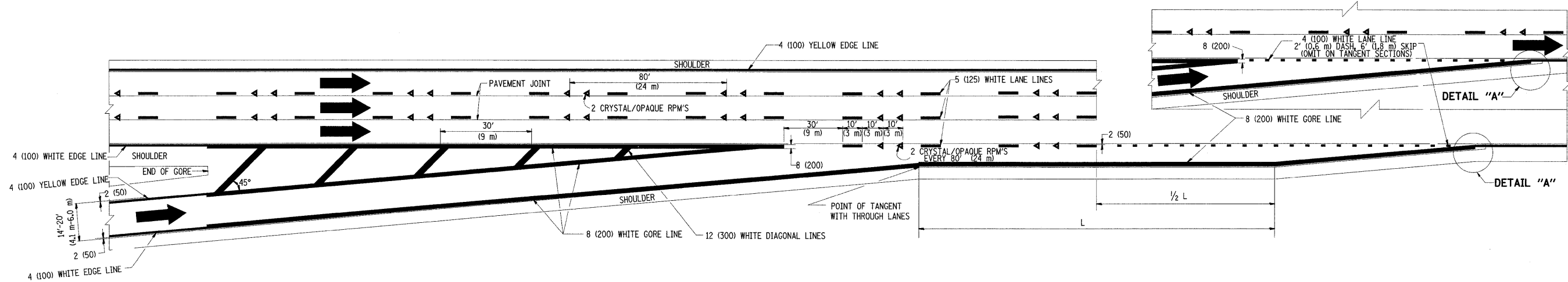
TYPICAL EDGE LINES & LANE LINES

NOTES:

1. THERMO PLASTIC PAVEMENT MARKING LINE SHALL BE USED FOR THE EDGE LINES, GORE LINES, AND DIAGONAL LINES ON BITUMINOUS PAVEMENT ONLY.
2. PREFORMED PLASTIC TYPE B PAVEMENT MARKING LINE SHALL BE USED FOR ALL LANE LINES ON BITUMINOUS PAVEMENT
3. POLYUREA PAVEMENT MARKING SHALL BE USED FOR ALL MARKINGS ON PCC

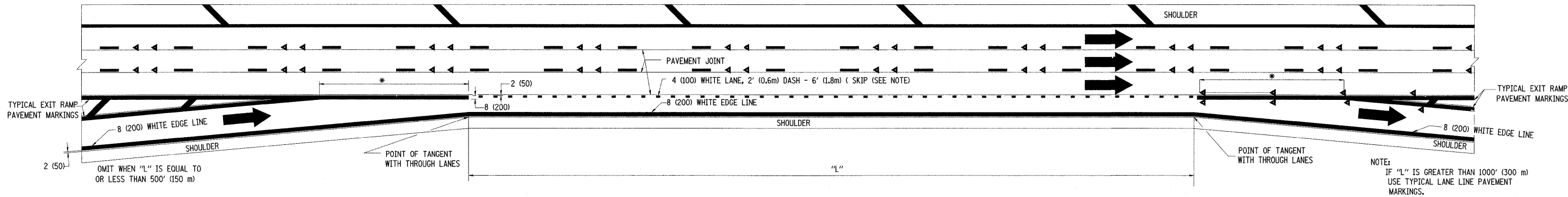


TYPICAL EXIT RAMP PAVEMENT MARKINGS

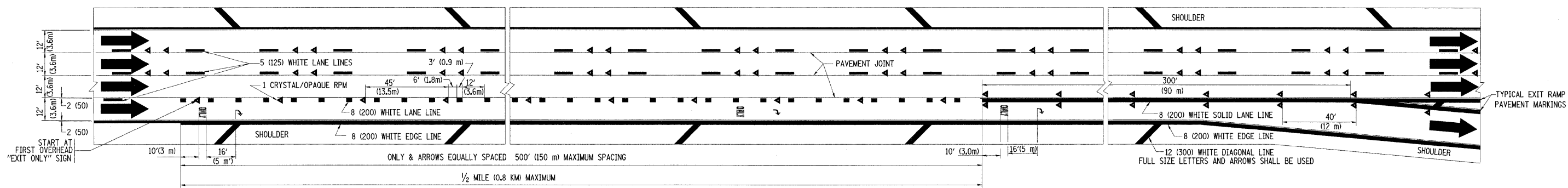


TYPICAL ENTRANCE RAMP PAVEMENT MARKINGS

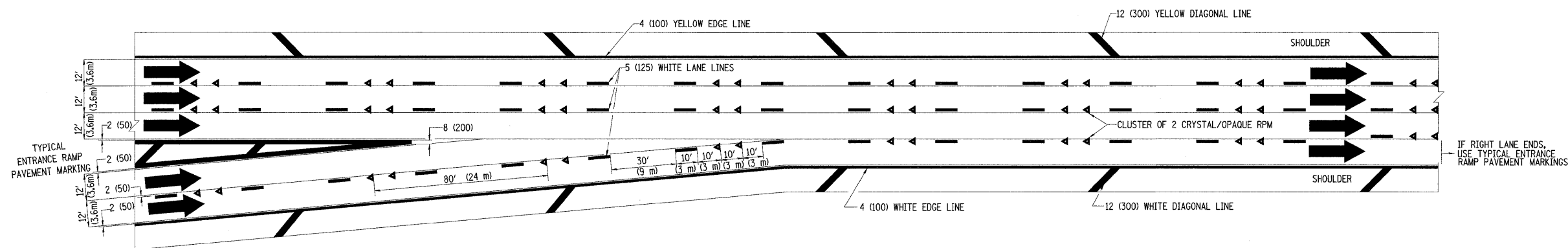
FILE NAME =	USER NAME = abebawa	DESIGNED - D.W.S.	REVISED - A.H. 03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			F.A.I. RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 59
ct:\pw_work\VP\DOT\ABEBAWA\20142330\Dist	td.dgn	DRAWN -	REVISED - D.W.S. 07-96		SCALE: NONE	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60H57	
	PLOT SCALE = 50,000.0' / IN.	CHECKED -	REVISED - J.A.F. 02-06									
	PLOT DATE = 6/29/2009	DATE - 01-90	REVISED - S.P.B. 01-07									



TYPICAL ENTRANCE/EXIT RAMP COMBINATION PAVEMENT MARKINGS

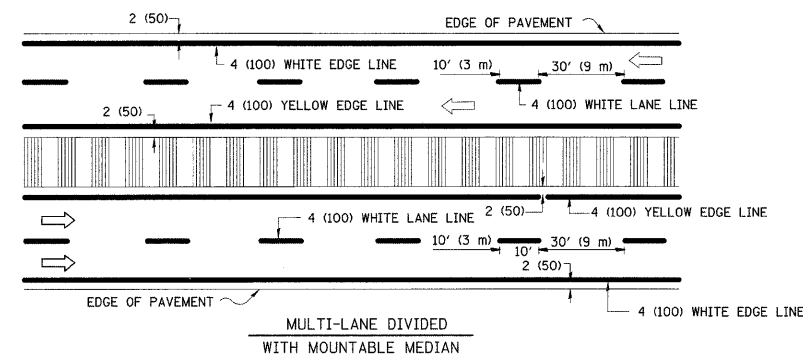
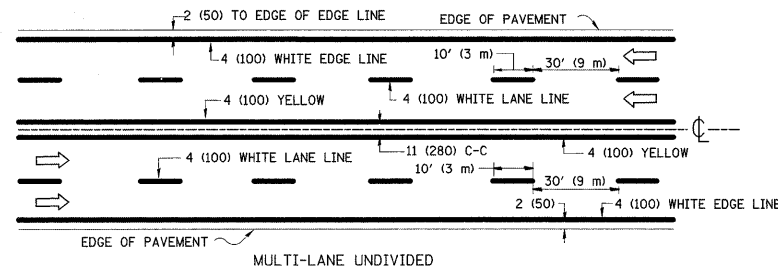
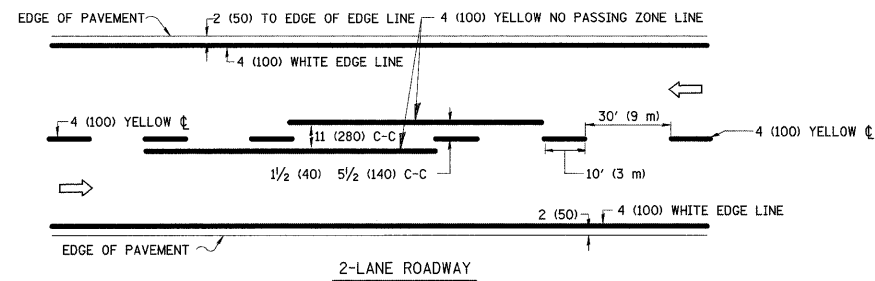


TYPICAL EXIT ONLY LANE PAVEMENT MARKINGS



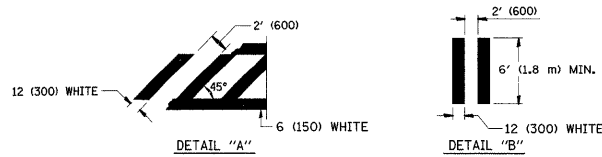
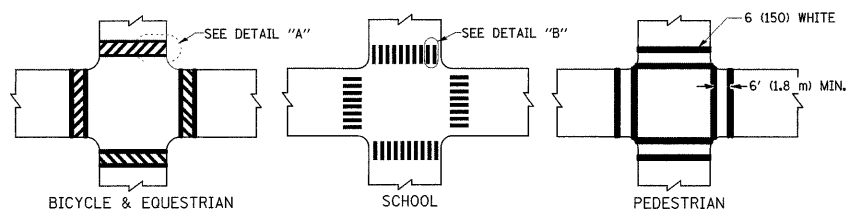
TYPICAL TWO LANE ENTRANCE RAMP PAVEMENT MARKINGS

FILE NAME =	USER NAME = ababawa	DESIGNED - D.W.S.	REVISED - A.H. 03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MULTI-LANE FREEWAY PAVEMENT MARKING DETAILS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwwork\VPWIDOT\ABEBAWA\d0142330\01st	tdtdgn	DRAWN -	REVISED - D.W.S. 07-96					I-57	2009-064 RS	COOK	63	60
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - J.A.F. 02-06		TC-12			CONTRACT NO. 60H57				
	PLOT DATE = 6/29/2009	DATE - 01-90	REVISED - S.P.B. 01-07		SCALE: NONE	SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

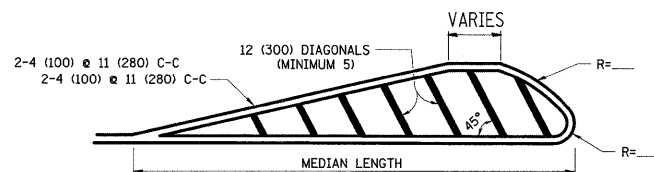
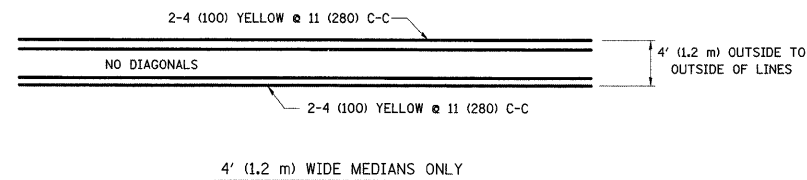


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



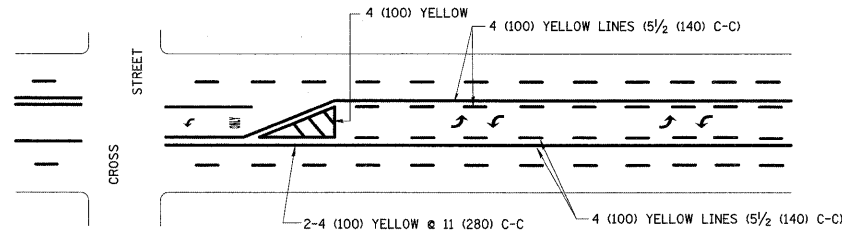
TYPICAL CROSSWALK MARKING



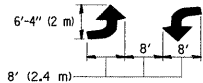
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

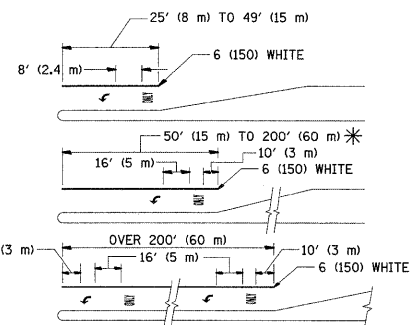


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

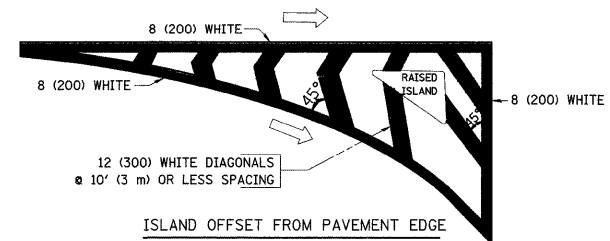


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

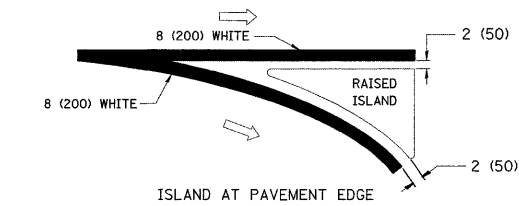
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



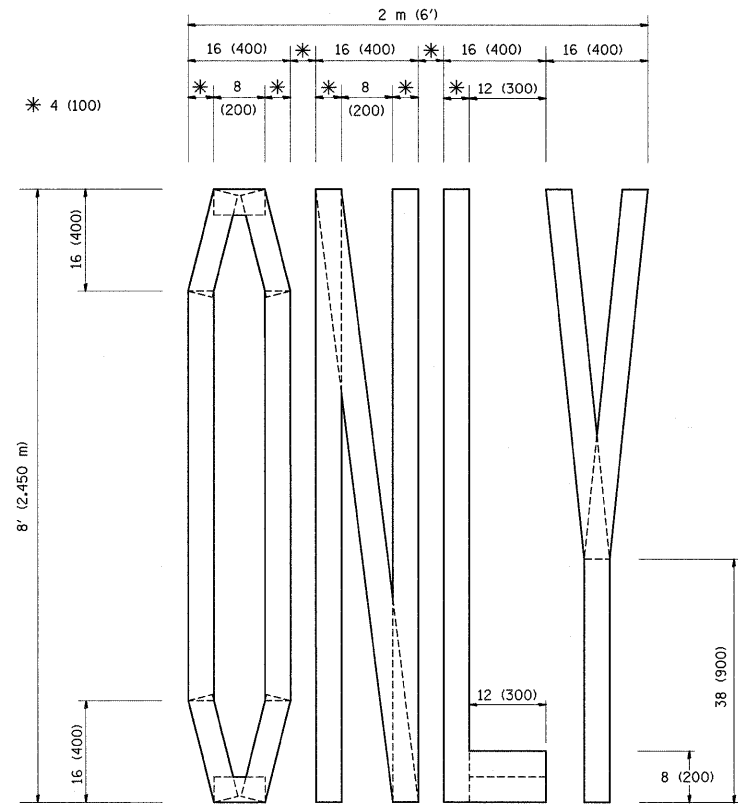
ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

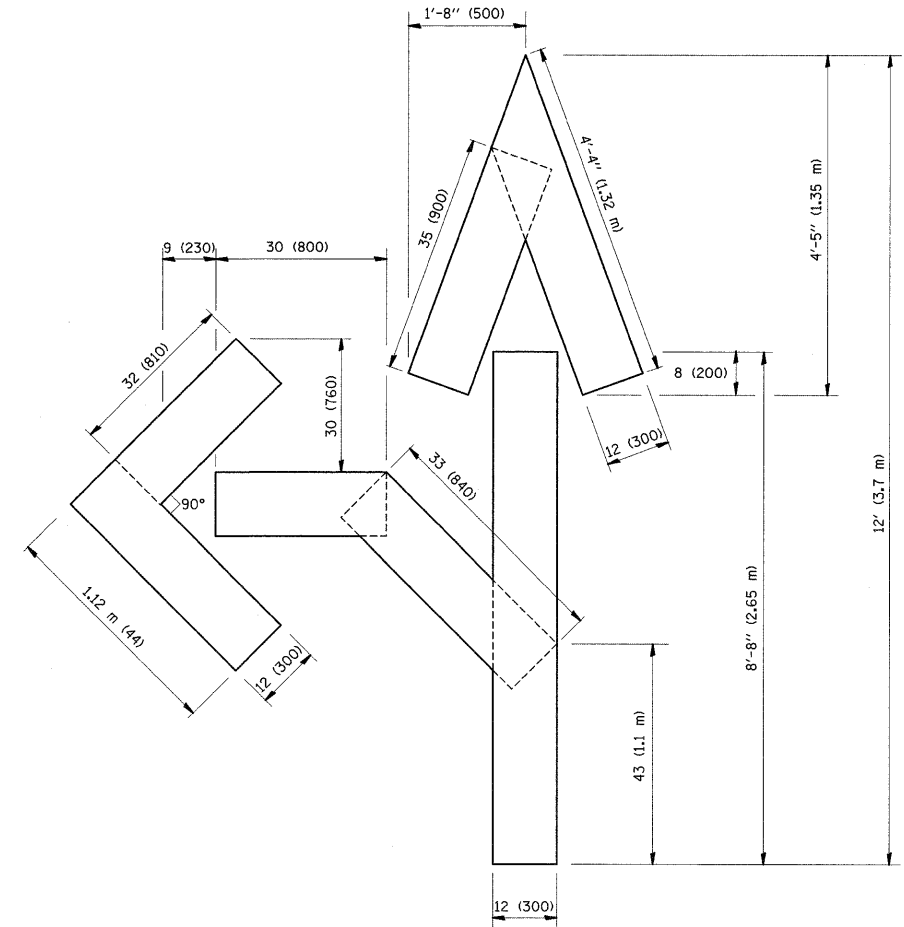
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 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 m) 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' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 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° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) 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: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 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 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

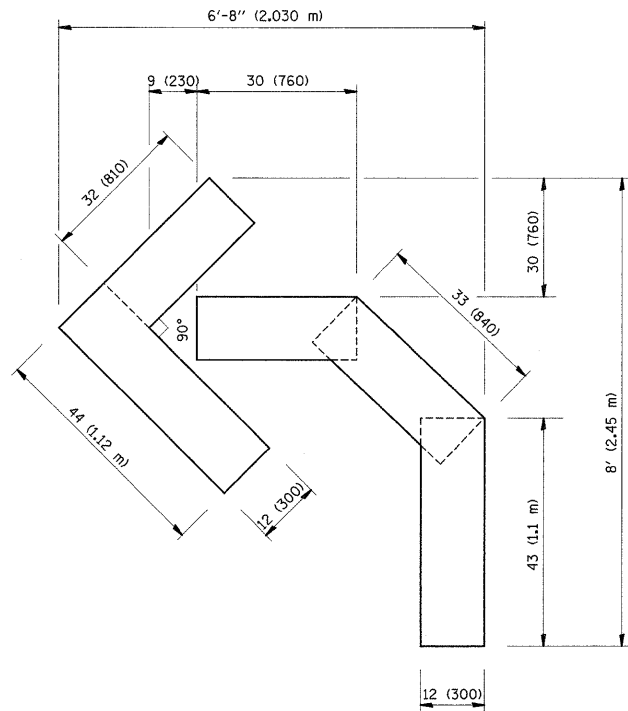
All dimensions are in inches (millimeters) unless otherwise shown.



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED - T. RAMMACHER 06-05-96
c:\pw\work\VPWIDOT\ABEBAWA\d0142330\dst	td.dgn	DRAWN -	REVISED - T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 03-02-98
	PLOT DATE = 6/29/2009	DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

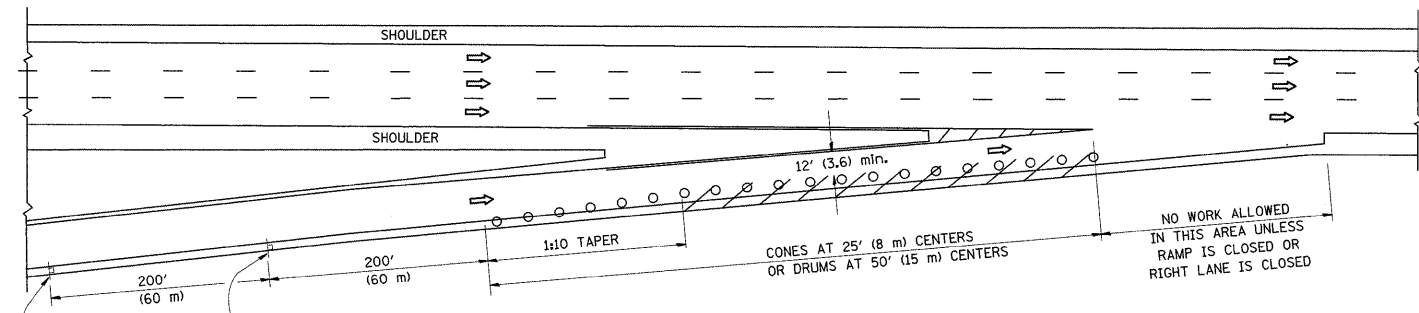
**PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

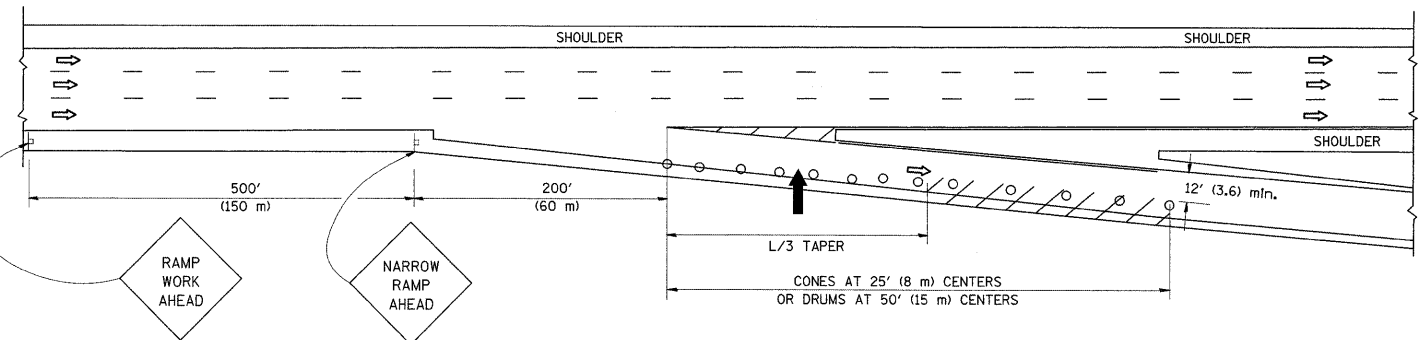
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I-57	2009-064 RS	COOK	63	62
TC-16			CONTRACT NO. 60H57	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PARTIAL RAMP CLOSURE DETAILS

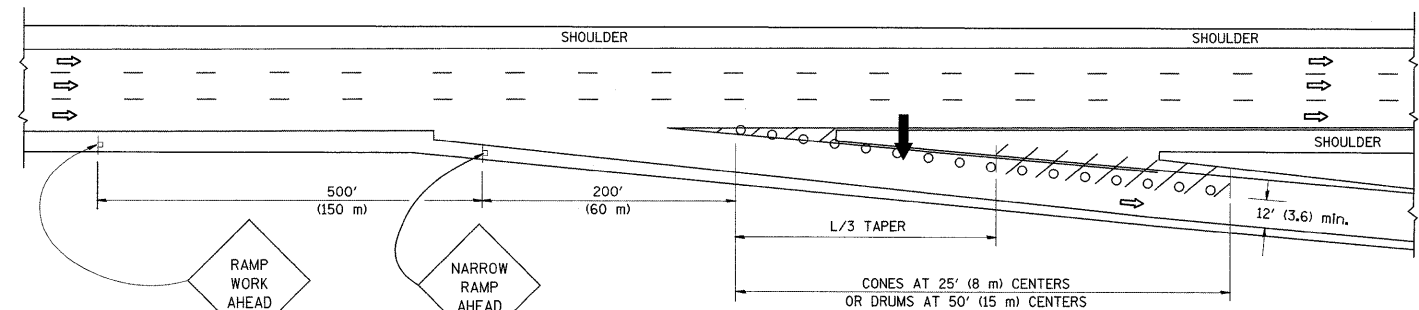
SHOULDER CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

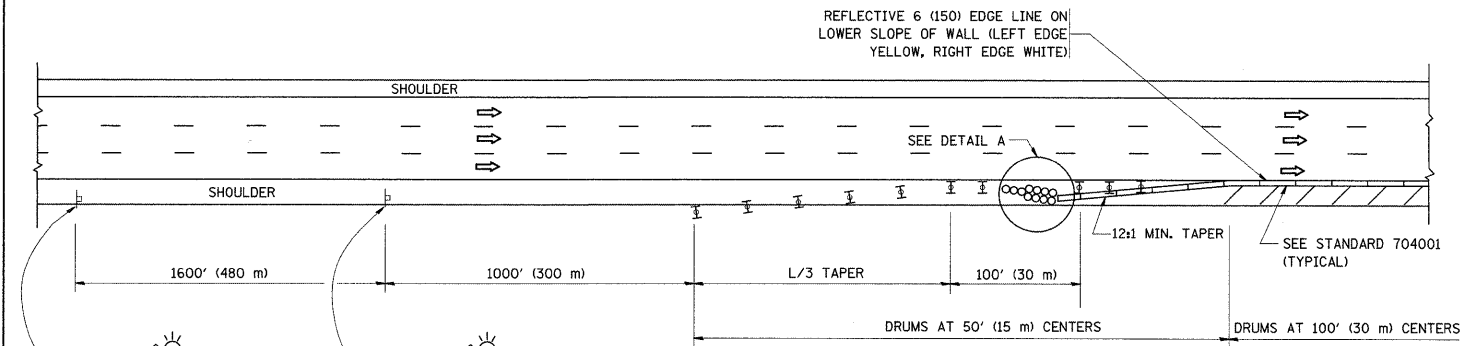
SYMBOLS

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

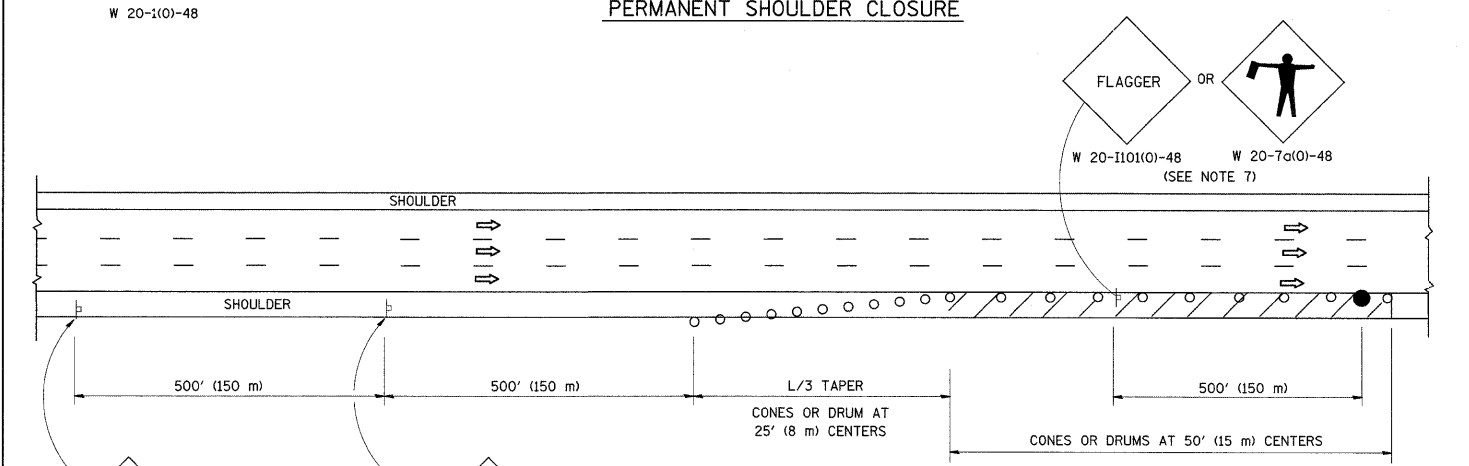
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

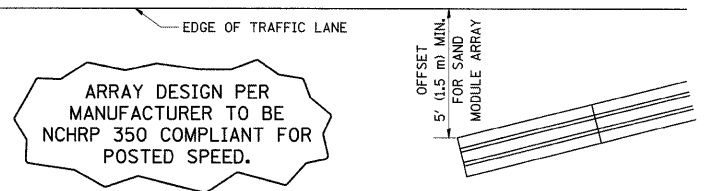
SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L = 0.65(W)(S)$ $L = (W)(S)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.



PERMANENT SHOULDER CLOSURE



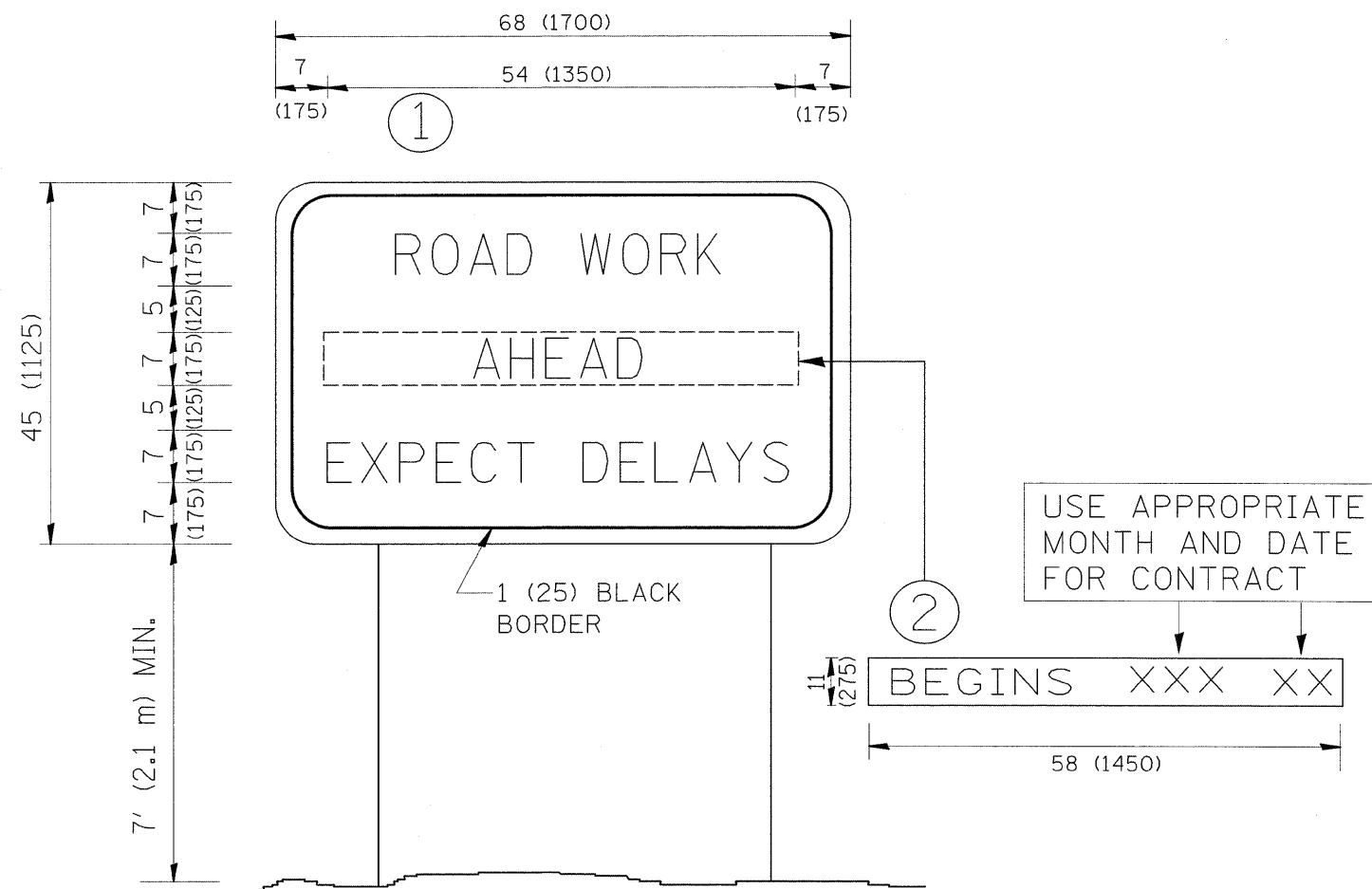
DAYTIME SHOULDER CLOSURE



DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

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

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED - J.A.F. 12-02	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.I. R.T.E. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 62A	
	PLOT SCALE = 50.0000' / IN.	DRAWN - D.W.S.	REVISED - 04-03			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	CONTRACT NO. 60H57		
	PLOT DATE = 6/30/2009	CHECKED -	REVISED - J.A.F. 12-06								
		DATE - 11-96	REVISED - S.P.B. 01-07								



NOTES:

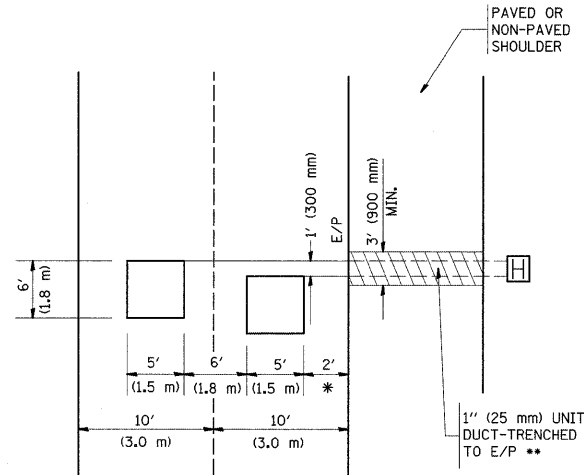
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

FILE NAME =	USER NAME = abebawa	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\PWIDOT\ABEBAWA\d0142330\Dist	td.dgn	DRAWN -	REVISED - R. MIRS 12-11-97			I-57	2009-064 RS	COOK	63	62B
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07			TC-22		CONTRACT NO. 60H57		
PLOT DATE = 7/6/2009	DATE -					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT
NOTE WHICH SHOULD EQUAL
3' (900 mm) X WIDTH OF
PAVED SHOULDER.



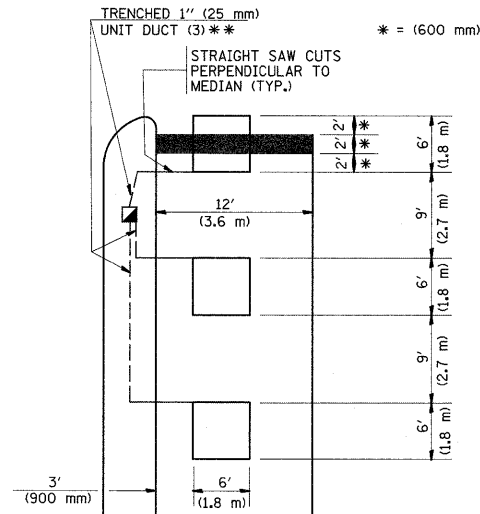
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY
VARY DEPENDING ON GEOMETRICS
AND DESIGN OF TRAFFIC SIGNALS.
HEAVY-DUTY HANDHOLES TO BE
USED WHEN THE MEDIAN IS
MOUNTABLE. REFER TO STANDARD
814001 TO ENSURE THAT HANDHOLE
FITS IN MEDIAN.



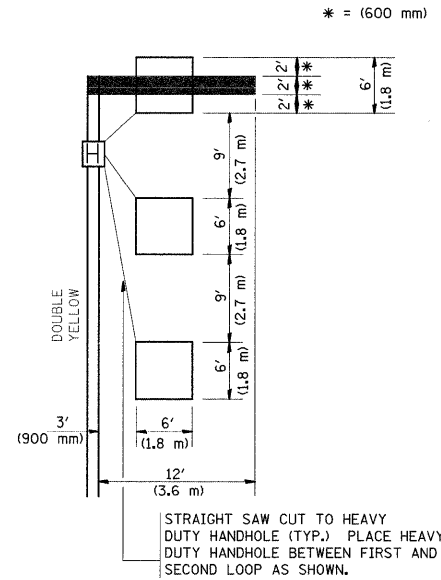
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS
BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH**

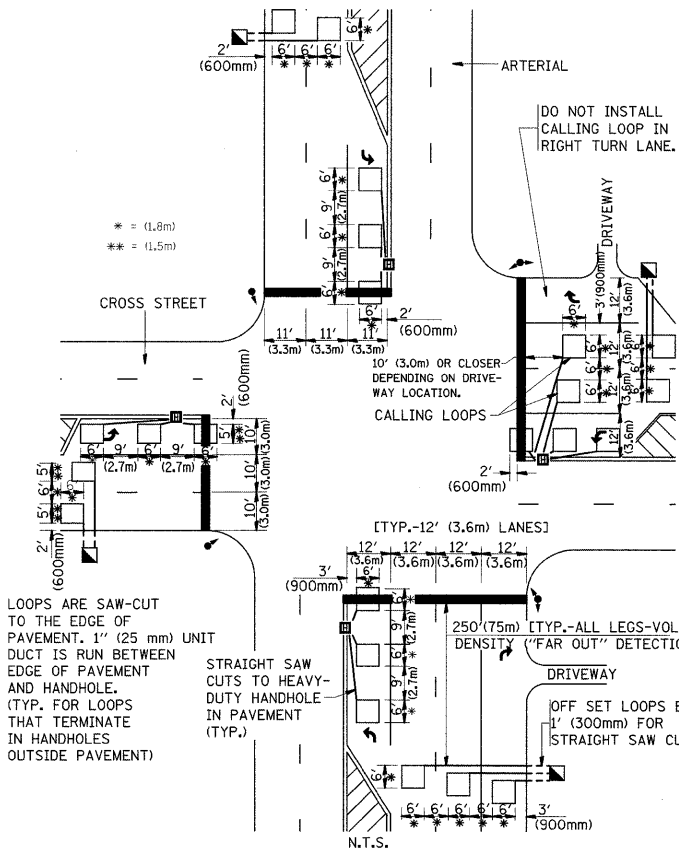
(PROTECTED / PERMITTED LEFT TURN PHASING)



* = (600 mm)

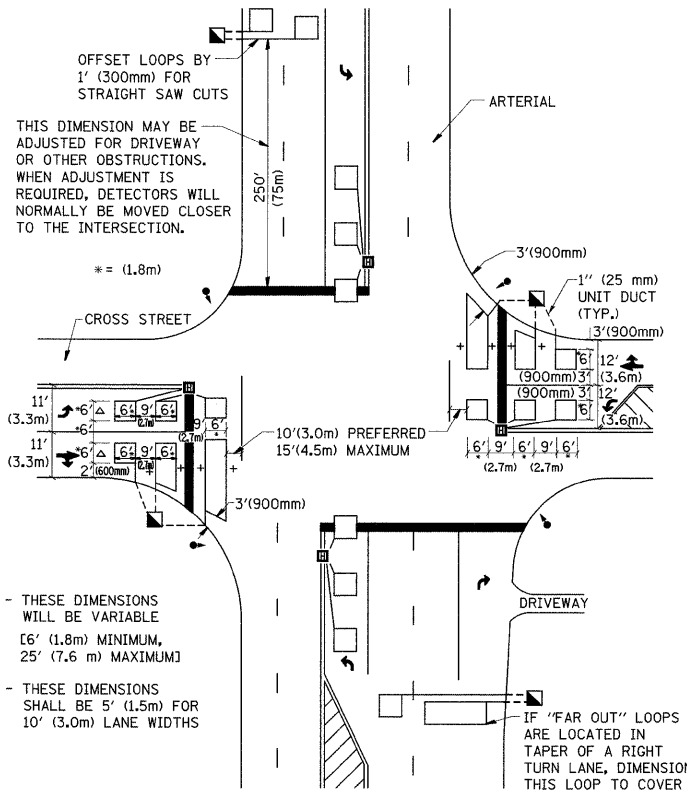
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO
PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



DETAIL 1
N.T.S.

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME = c:\pwwork\pwwid\ebabawa\8142330\Dist1	USER NAME = ebabawa	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING	F.A.I. RTE. I-57	SECTION 2009-064 RS	COUNTY COOK	TOTAL SHEETS 63	SHEET NO. 63
PLOT SCALE = 50.0000' / IN.	CHECKED - R.K.F.	REVISED -	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60H57	
PLOT DATE = 6/30/2009	DATE -	REVISED -				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				