

01-30-15 LETTING ITEM 074
FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

IMPROVEMENT LOCATED WITHIN
THE CITY OF ST. CHARLES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.P 347 (IL ROUTE 38)
SECTION 2014-042RS

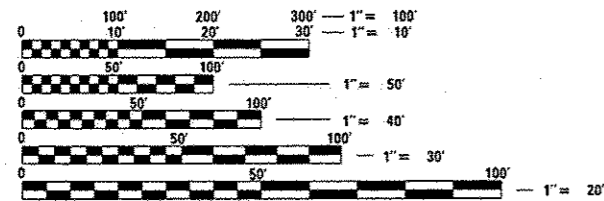
ILLINOIS YOUTH CENTER (INTERNAL ROADS) (WEST OF PECK RD)
RESURFACING (3P)
KANE COUNTY
C-91-374-14

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04RS	KANE	25	1
FED. ROAD DIST. NO. 1	ILLINOIS		FED AID PROJECT	
D-91-374-14				
CONTRACT NO. 60Y37				

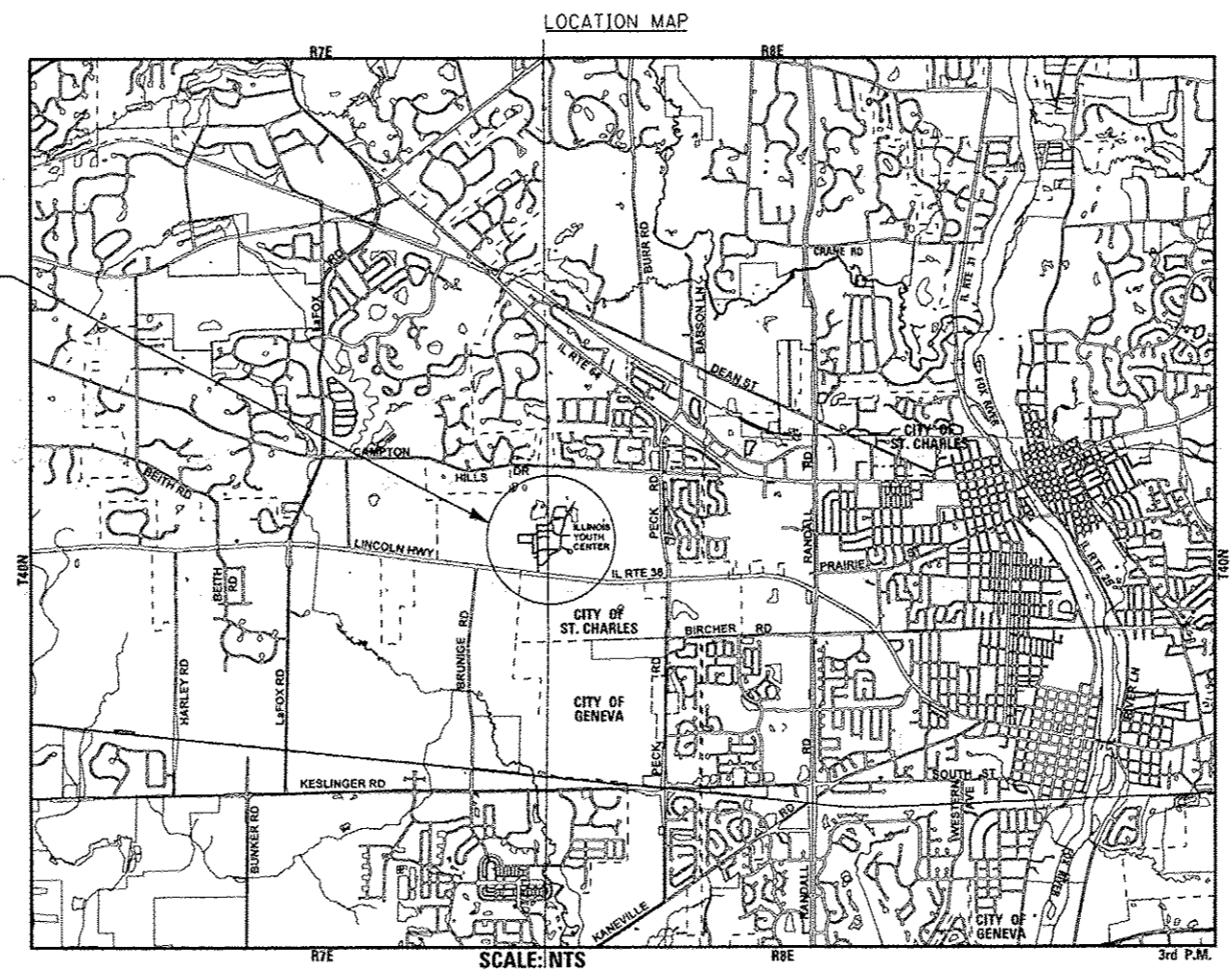


TRAFFIC DATA
LOCAL STREETS
2014 ADT = 200
SPEED LIMIT = UNPOSTED

PROJECT LOCATION



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.

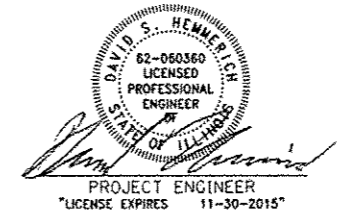


ST. CHARLES & CAMPTON TOWNSHIP
GROSS LENGTH OF IMPROVEMENT = 5,890 LF OR 1.116 MILES
NET LENGTH OF IMPROVEMENT = 5,859 LF OR 1.110 MILES



CONTACT JULIE AT 811 OR 800-892-0123
WITH THE FOLLOWING:
COUNTY = KANE
CITY-TWNSHP. = ST CHARLES - ST CHARLES & CAMPTON
SEC. & 1/4 SEC. NO. = NE 36, NW 31
48 HOURS (2 working days) BEFORE YOU DIG

DISTRICT ONE -
PROJECT MANAGER: KEN ENG (847) 705-4247 (IDOT)
PROJECT ENGINEER: ROBERT LENZINI (815) 459-1260 (BAXTER & WOODMAN)
CONTRACT NO. 60Y37



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED May 6 20 14
John Fortmann
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 9 20 14
John D. Baranzelli, P.E., P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 9 20 14
Omer Osman, P.E., P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, D-1 DETAILS, BENCHMARKS AND COMMITMENTS
3 -6	SUMMARY OF QUANTITIES
7 -12	EXISTING AND PROPOSED TYPICAL SECTIONS
13	LAYOUT PLAN
14	ROADWAY PLANS - ROAD 1
15	ROADWAY PLANS - ROAD 2
16	ROADWAY PLANS - ROAD 3
17 -18	ROADWAY PLANS - ROAD 4
19	ROADWAY PLANS - ROAD 5 AND ROAD 6 (STA 608+50 TO STA 613+50)
20	ROADWAY PLANS - ROAD 6 (STA 613+50 TO STA 620+56) AND ROAD 6A
21	ROADWAY PLANS - ROAD 7
22	(BD-03) OUTLET FOR CONCRETE CURB AND GUTTER
23	(BD-08) DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
24	(BD-32) BUTT JOINT AND HMA TAPER DETAILS
25	(TC-10) TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-03	CLASS C AND D PATCHES
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701901-04	TRAFFIC CONTROL DEVICES

DISTRICT ONE DETAILS

(BD-03)	OUTLET FOR CONCRETE CURB AND GUTTER
(BD-08)	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
(BD-32)	BUTT JOINT AND HMA TAPER DETAILS
(TC-10)	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

COMMITMENTS

THERE ARE NO COMMITMENTS FOR THIS PROJECT.

BENCHMARKS

BM #15	NORTHEAST ARROW BOLT ON FIRE HYDRANT AT NORTHEAST NEX AT CLOCK TOWER BUILDING ELEVATION = 798.65 (NAVD88)
BM #1405	"X" SET IN SEX CONCRETE BASE WEST SIDE OF ROAD IN FRONT OF OLD MCKINLY BUILDING ELEVATION = 792.87 (NAVD88)
BM #1549	SOUTHWEST ARROW BOLT ON FIRE HYDRANT SOUTH SIDE OF ROAD IN FRONT OF MESS HALL ELEVATION = 780.84 (NAVD88)
BM #3753	NORTHEAST ARROW BOLT ON FIRE HYDRANT WITH "X" AT NORTH OLD GUARD SHACK JUST INSIDE GATE WEST SIDE OF ROAD ELEVATION = 780.99 (NAVD88)

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE "MANUAL OF TEST PROCEDURES FOR MATERIALS".
- J.U.L.I.E. WILL NOT LOCATE UTILITIES WITHIN THE FACILITY. CONTRACTOR WILL HAVE TO HIRE THEIR OWN LOCATING SERVICE FOR LOCATING UTILITIES WITHIN THE FACILITY AS PART OF THE COST OF MOBILIZATION. COORDINATE UTILITY LOCATING WITH THE FACILITY'S CHIEF ENGINEER.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE ILLINOIS YOUTH CENTER CHIEF ENGINEER.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS UNLESS OTHERWISE SPECIFIED.
- 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 GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF MILLING IS SLOPED AT A MINIMUM OF 1:3 (V:H).
- THE CONTRACTOR SHALL CONTACT THE ILLINOIS YOUTH CENTER CHIEF ENGINEER AT (630) 584-0506 EXT. 290 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING MATERIALS.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- EXISTING TUNNEL CROSSINGS SHALL BE MAINTAINED. PROVIDE BUTT JOINTS AT EDGES OF TUNNEL CROSSINGS AND DO NOT OVERLAY TUNNEL CROSSINGS. TUNNEL CROSSINGS ARE OMISSIONS FROM WORK ON THIS PROJECT.
- PROTECT AND MAINTAIN EXISTING EXPOSED CONCRETE UTILITY DUCTS DURING RESURFACING OPERATIONS. UTILITY DUCTS MAY BE OVERLAID IF APPROVED BY THE ENGINEER.
- PROPOSED CURB SHALL MATCH EXISTING SIDEWALKS AT BACK-OF-CURB (BOC). TOP OF CURB OR DEPRESSED CURB SHALL MATCH THE EXISTING TOP OF SIDEWALK AT BOC. SIDEWALK SHALL NOT BE REMOVED AND REPLACED AT THE BOC.
- PCC DRIVEWAYS SHALL NOT BE REMOVED FOR FORMING PURPOSES UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- EARTH EXCAVATION TO INSTALL A 4" AGGREGATE BASE COURSE UNDER THE PROPOSED CURB AND GUTTER SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER CONSTRUCTION.
- EARTH EXCAVATION SHALL NOT BE HAULED OFF-SITE. EARTH EXCAVATION MAY BE USED AS EMBANKMENT WHERE NEEDED ELSEWHERE ON THE PROJECT OR DUMPED IN A LOCATION DESIGNATED BY THE FACILITY'S CHIEF ENGINEER. ANY SPOIL PILES SHALL BE IMMEDIATELY STABILIZED WITH TEMPORARY EROSION CONTROL SEEDING AND EROSION CONTROL BLANKET.
- ALL INLET STRUCTURES DOWNSTREAM OF ANY EXCAVATION SHALL BE PROTECTED WITH INSTALLATION OF INLET FILTERS.

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BAXTER & WOODMAN	DESIGNED - DSH	REVISED - 5-23-14
	DRAWN - UKB	REVISED -
	CHECKED - LDH	REVISED -
	DATE - 05-06-14	FILE - 140183.W0-1-GenNotes.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES,
D-1 DETAILS, BENCHMARKS AND COMMITMENTS

SCALE: NONE

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04R5	KANE	25	2
C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS/FED. AID PROJECT				

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
CODE NO.	ITEM DESCRIPTION	UNIT		100% STATE 0005 QUANTITY	QUANTITY	QUANTITY
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2,254	2,254		
25000110	SEEDING, CLASS 1A	ACRE	0.47	0.47		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	43	43		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	43	43		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	43	43		
25100630	EROSION CONTROL BLANKET	SQ YD	2,254	2,254		
25200200	SUPPLEMENTAL WATERING	UNIT	136	136		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	47	47		
28000510	INLET FILTERS	EACH	13	13		
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	2,254	2,254		
35101400	AGGREGATE BASE COURSE, TYPE B	TON	1335	1335	A	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	1,393	1,393		
35800100	PREPARATION OF BASE	SQ YD	11,422	11,422		
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	7	7		
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	293	293		

* INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
SUMMARY OF QUANTITIES

F.A. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04RS	KANE	25	3
C-91-374-14		CONTRACT NO. 60Y37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

A Rev. 6-2-14

SCALE: STA. TO STA.

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
CODE NO.	ITEM DESCRIPTION	UNIT		100% STATE 0005 QUANTITY	QUANTITY	QUANTITY
40600895	CONSTRUCTING TEST STRIP	EACH	1	1		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	340	340		
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	220	220		
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,478	1,478		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	1,517	1,517		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	20	20		
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	154	154		
42001300	PROTECTIVE COAT	SQ YD	1,556	1,556		
44000100	PAVEMENT REMOVAL	SQ YD	422	422		
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2" ^A	SQ YD	12,488	12,488		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	179	179		
44000300	CURB REMOVAL	FOOT	411	411		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,387	5,387		
44000600	SIDEWALK REMOVAL	SQ FT	147	147		
44201692	CLASS D PATCHES, TYPE II, 4 INCH ^A	SQ YD	46	46		

* INDICATES SPECIALTY ITEM

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BAXTER & WOODMAN
Professional Engineers

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

A Rev. 6-2-14		Rev.	
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
347	2014-04RS	KANE	25 4
C-91-374-14		CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
CODE NO.	ITEM DESCRIPTION	UNIT		100% STATE 0005 QUANTITY	QUANTITY	QUANTITY
44201694	CLASS D PATCHES, TYPE III, 4 INCH	SQ YD	69	69		
44201696	CLASS D PATCHES, TYPE IV, 4 INCH	SQ YD	115	115		
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	88	88		
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	70	70		
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	228	228		
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	47	47		
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	70	70		
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	117	117		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	317	317		
60234200	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID	EACH	2	2		
60255500	MANHOLES TO BE ADJUSTED	EACH	1	1		
60260100	INLETS TO BE ADJUSTED	EACH	3	3		
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	2	2		
60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1		
60403800	LIDS, TYPE 1, CLOSED LID	EACH	1	1		
60500060	REMOVING INLETS	EACH	2	2		

* INDICATES SPECIALTY ITEM

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

A Rev. 6-2-14

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-0495	KANE	25	5
D-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

01 00 YAM

01 00 YAM

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE		
				TOTAL QUANTITY	100% STATE 0005 QUANTITY	QUANTITY
CODE NO.	ITEM DESCRIPTION	UNIT				
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	2	2		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	6,026	6,026		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4		
67100100	MOBILIZATION	L SUM	1	1		
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
Z0003300	BASE COURSE REMOVAL (SPECIAL)	SQ YD	1,143	1,143		
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	43	43		
X4060110	BITUMINOUS MATERIALS (PRIME COAT)	POUND	47,765	47,765		
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	7	7		

* INDICATES SPECIALTY ITEM

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 LICENSE NO. 0450-028-0001-0001
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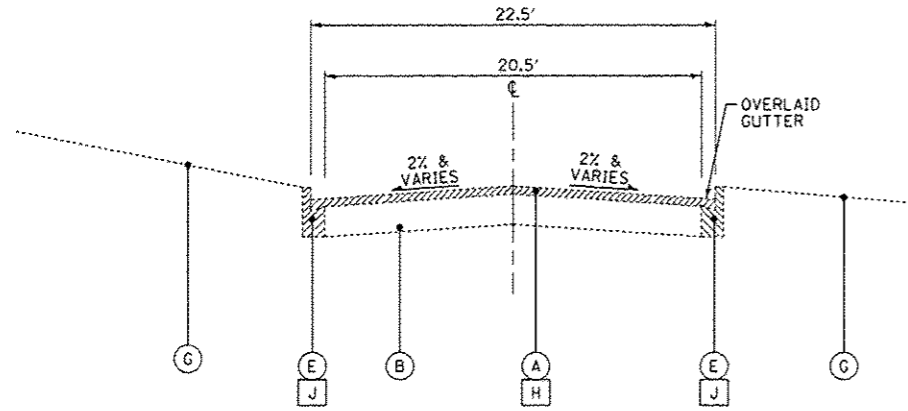
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	CHECKED - LDH	REVISIONS -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER – ST. CHARLES
SUMMARY OF QUANTITIES

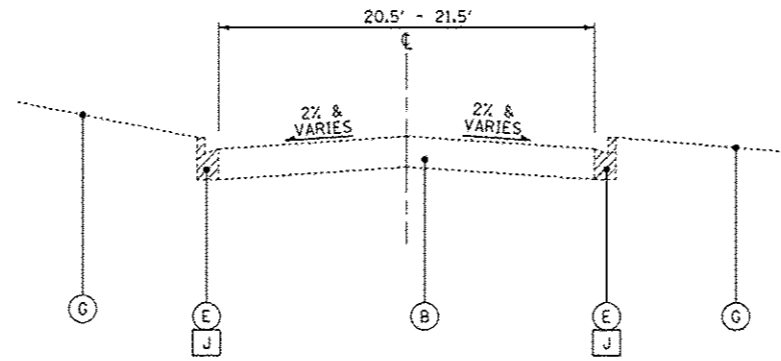
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P.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-0495	KANE	25	6
C-91-374-14				CONTRACT NO. 60Y37
TOD. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



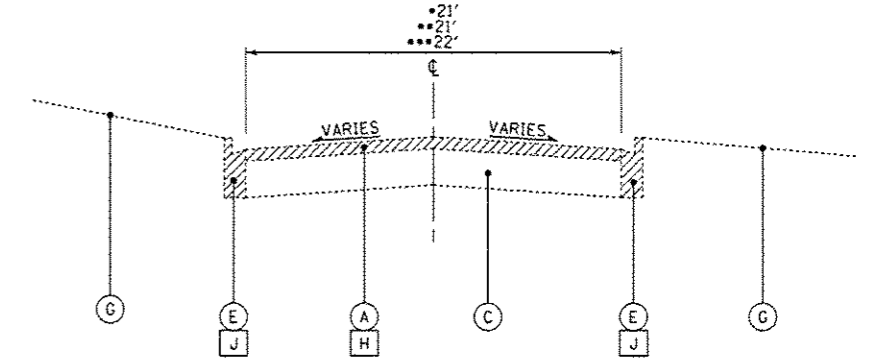
EXISTING TYPICAL SECTION

ROAD 1
STA 107+75 TO STA 111+53



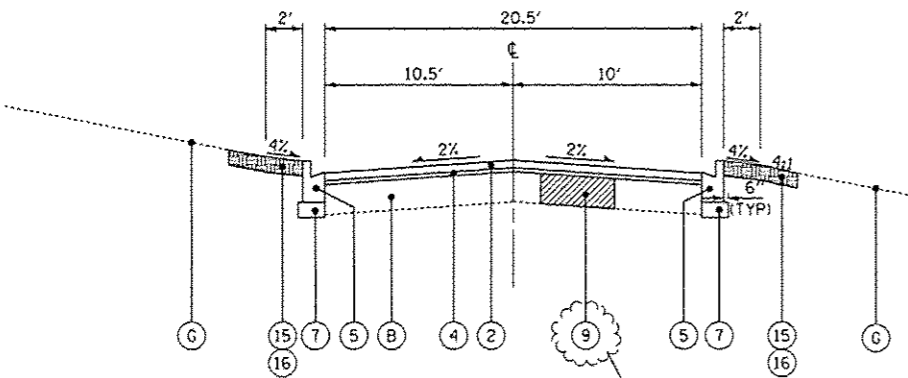
EXISTING TYPICAL SECTION

ROAD 1
STA 111+53 TO STA 114+24



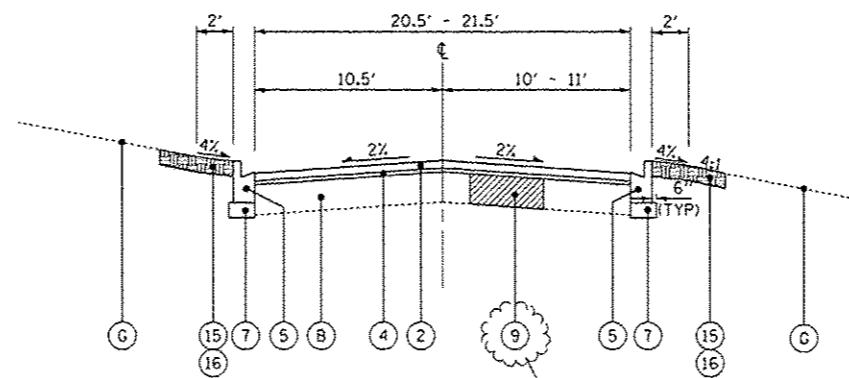
EXISTING TYPICAL SECTION

•• ROAD 1 STA 114+29 TO STA 117+22
••• ROAD 4 STA 406+42 TO STA 409+75
• ROAD 4 STA 409+75 TO STA 412+27



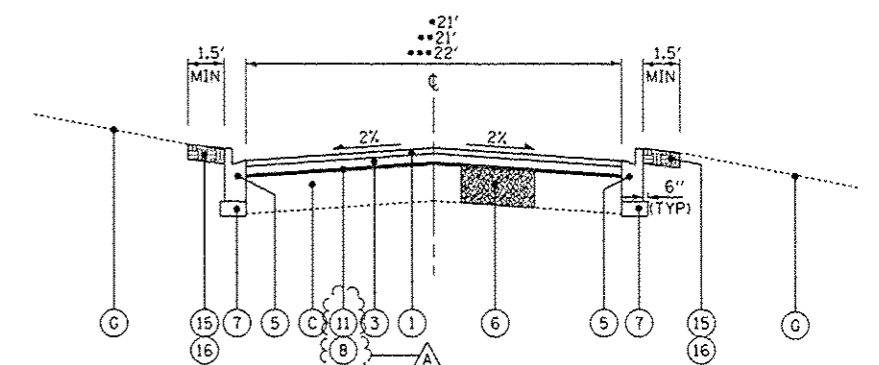
PROPOSED TYPICAL SECTION

ROAD 1
STA 107+75 TO STA 111+53



PROPOSED TYPICAL SECTION

ROAD 1
STA 111+53 TO STA 114+24



PROPOSED TYPICAL SECTION

•• ROAD 1 STA 114+29 TO STA 117+22
••• ROAD 4 STA 406+42 TO STA 409+75
• ROAD 4 STA 409+75 TO STA 412+27

EXISTING LEGEND

- (A) EXISTING HMA SURFACE - 1 1/2" - 2 1/2"
- (AA) EXISTING HMA SURFACE - 4"
- (B) EXISTING PCC PAVEMENT - 6"
- (C) EXISTING AGGREGATE BASE - 1" - 8"
- (D) EXISTING CURB
- (E) EXISTING CURB AND GUTTER
- (F) EXISTING AGGREGATE SHOULDER - 3"± (WHERE IT EXISTS)
- (G) EXISTING GROUND
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- (I) CURB REMOVAL
- (J) COMBINATION CURB AND GUTTER REMOVAL
- (K) PAVEMENT REMOVAL
- (Hatched) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/4"
- (4) LEVELING BINDER (MACHINE METHOD), N50 - 1"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) BASE COURSE REMOVAL (SPECIAL) AND AGGREGATE BASE COURSE, TYPE B (AS DETERMINED BY THE ENGINEER)
- (7) AGGREGATE BASE COURSE, TYPE B - 4"
- (8) AGGREGATE BASE COURSE, TYPE B (±1")
- (9) CLASS D PATCHES - 6" (AS DETERMINED BY THE ENGINEER)
- (10) CLASS D PATCHES - 4" (AS DETERMINED BY THE ENGINEER)
- (11) PREPARATION OF BASE
- (12) GRADING AND SHAPING SHOULDERS
- (13) AGGREGATE WEDGE SHOULDER, TYPE B
- (14) PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- (15) TOPSOIL FURNISH AND PLACE, 4"
- (16) SEEDING, CLASS 1A

NOTE:
THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	QUALITY MANAGEMENT PROGRAM (QMP)		
	MIXTURE TYPE	AIR VOIDS Ndes	QMP DESIGNATIONS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm)	4% @ 50 GYR.	OCP	QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)
HOT-MIX ASPHALT BINDER COURSE, IL 19.0 mm, N50	4% @ 50 GYR.	OCP	
LEVELING BINDER (MACHINE METHOD), N50	4% @ 50 GYR.	QC/OA	
INCIDENTAL HOT-MIX ASPHALT SURFACING (HMA SURFACE 9.5mm)	4% @ 50 GYR.	QC/OA	
CLASS D PATCHES (HMA BINDER IL-19 mm) (>4" IN TWO LIFTS)	4% @ 70 GYR.	QC/OA	

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SO YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE SBS/SBR PG 76-22 AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS. QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.

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 LICENSE NO. 05-0000000-00000000-00000000-00000000-00000000
 PROJECT NO. 140183.W0-1-TypSect.dgn
 DATE 05/23/2014 5:23:26PM

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CHECKED - LDH	REVISED -
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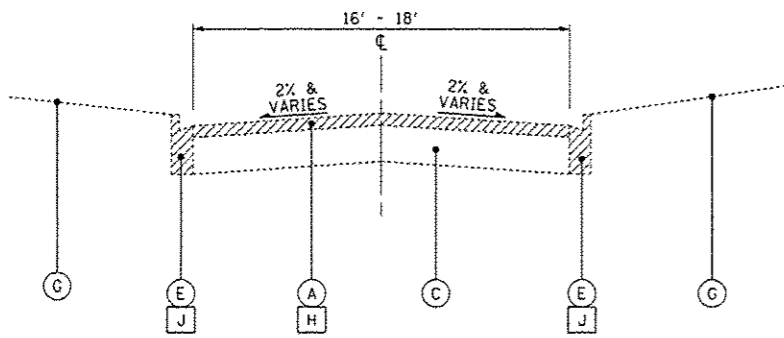
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DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
EXISTING AND PROPOSED TYPICAL SECTIONS

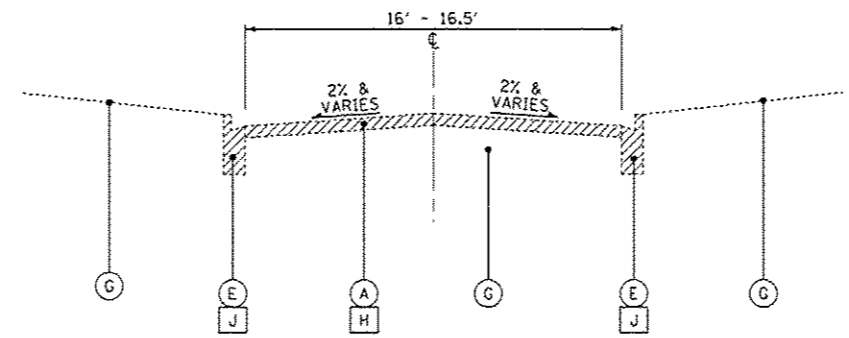
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C-91-374-14		CONTRACT NO. 60Y37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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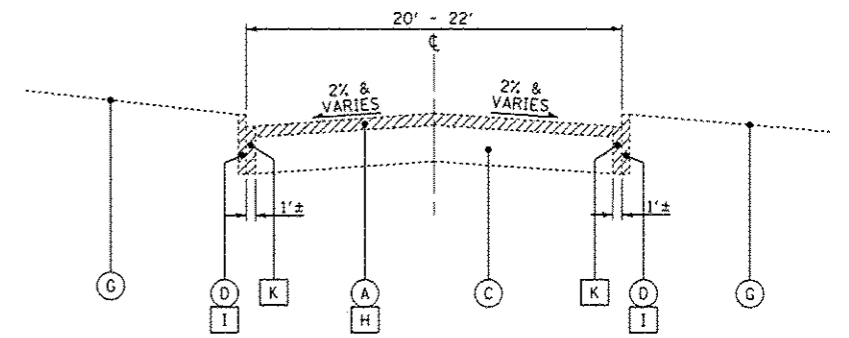
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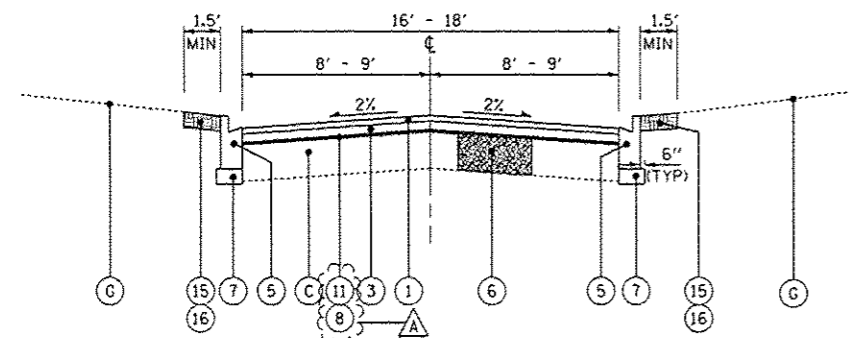
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ROAD 2
STA 200+10 TO STA 200+58
STA 201+18 TO STA 206+21



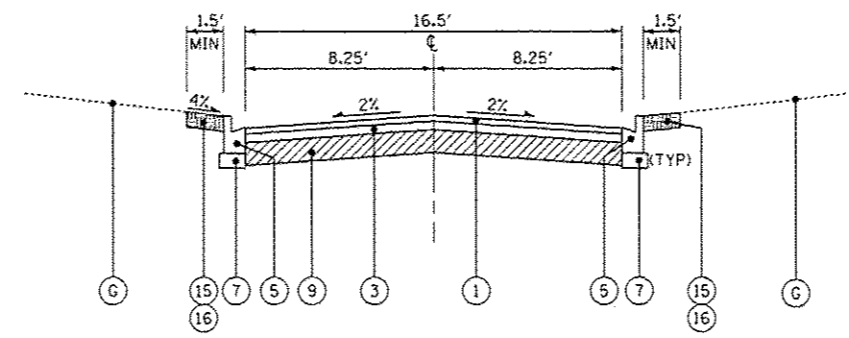
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STA 200+58 TO STA 201+18



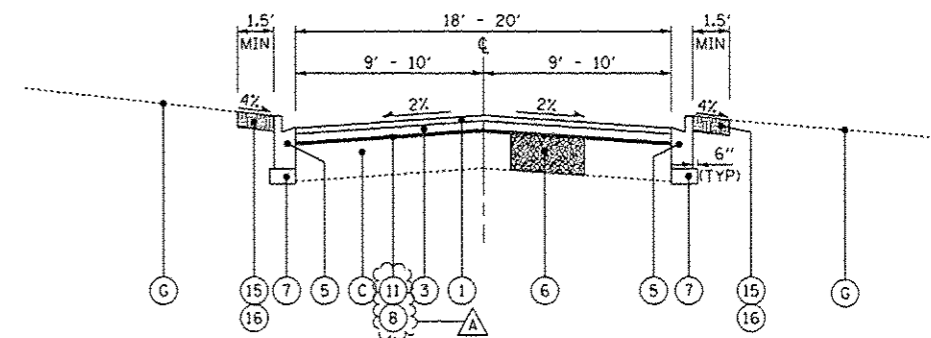
EXISTING TYPICAL SECTION
ROAD 2
STA 206+27 TO STA 207+91



PROPOSED TYPICAL SECTION
ROAD 2
STA 200+10 TO STA 200+58
STA 201+18 TO STA 206+21



PROPOSED TYPICAL SECTION
ROAD 2
STA 200+58 TO STA 201+18



PROPOSED TYPICAL SECTION
ROAD 2
STA 206+27 TO STA 207+91

EXISTING LEGEND

- (A) EXISTING HMA SURFACE - 1 1/2" - 2 1/2"
- (AA) EXISTING HMA SURFACE - 4"
- (B) EXISTING PCC PAVEMENT - 6"
- (C) EXISTING AGGREGATE BASE - 1" - 8"
- (D) EXISTING CURB
- (E) EXISTING CURB AND GUTTER
- (F) EXISTING AGGREGATE SHOULDER - 3"± (WHERE IT EXISTS)
- (G) EXISTING GROUND
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- (I) CURB REMOVAL
- (J) COMBINATION CURB AND GUTTER REMOVAL
- (K) PAVEMENT REMOVAL
- (Hatched) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/4"
- (4) LEVELING BINDER (MACHINE METHOD), N50 - 1"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) BASE COURSE REMOVAL (SPECIAL) AND AGGREGATE BASE COURSE, TYPE B (AS DETERMINED BY THE ENGINEER)
- (7) AGGREGATE BASE COURSE, TYPE B - 4"
- (8) AGGREGATE BASE COURSE, TYPE B (±1")
- (9) CLASS D PATCHES - 6" (AS DETERMINED BY THE ENGINEER)
- (10) CLASS D PATCHES - 4" (AS DETERMINED BY THE ENGINEER)
- (11) PREPARATION OF BASE
- (12) GRADING AND SHAPING SHOULDERS
- (13) AGGREGATE WEDGE SHOULDER, TYPE B
- (14) PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- (15) TOPSOIL FURNISH AND PLACE, 4"
- (16) SEEDING, CLASS 1A

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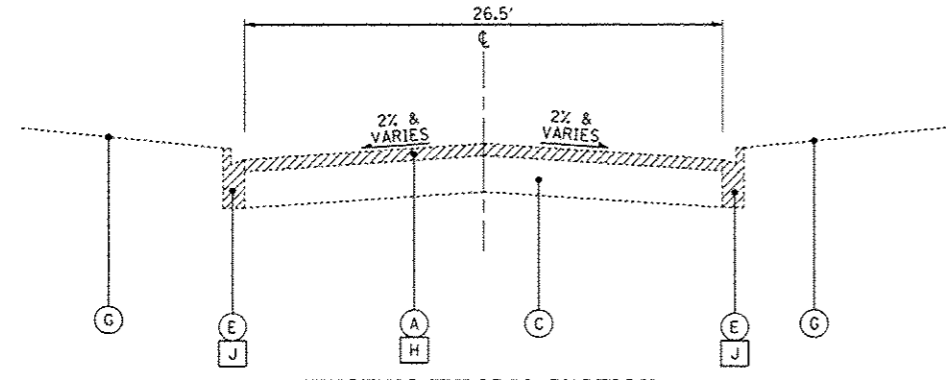
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DEPARTMENT OF TRANSPORTATION

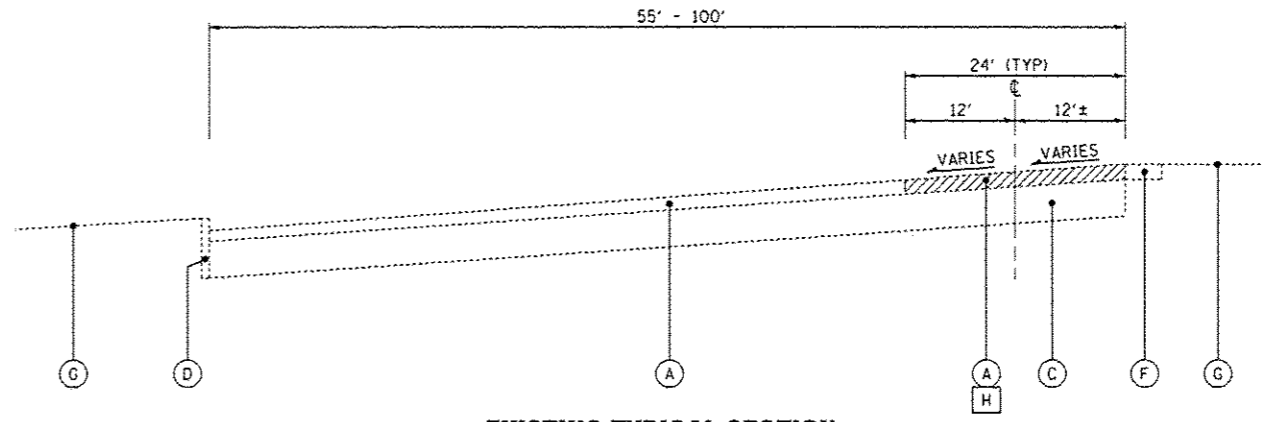
ILLINOIS YOUTH CENTER - ST. CHARLES
EXISTING AND PROPOSED TYPICAL SECTIONS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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C-91-374-14		CONTRACT NO. 60Y37		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

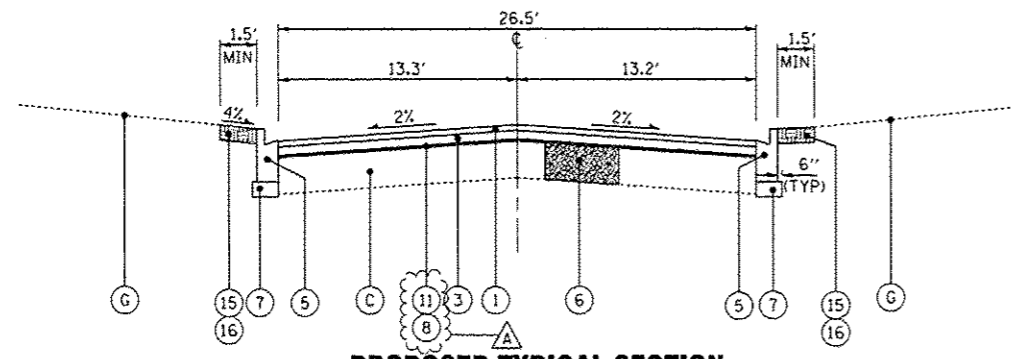
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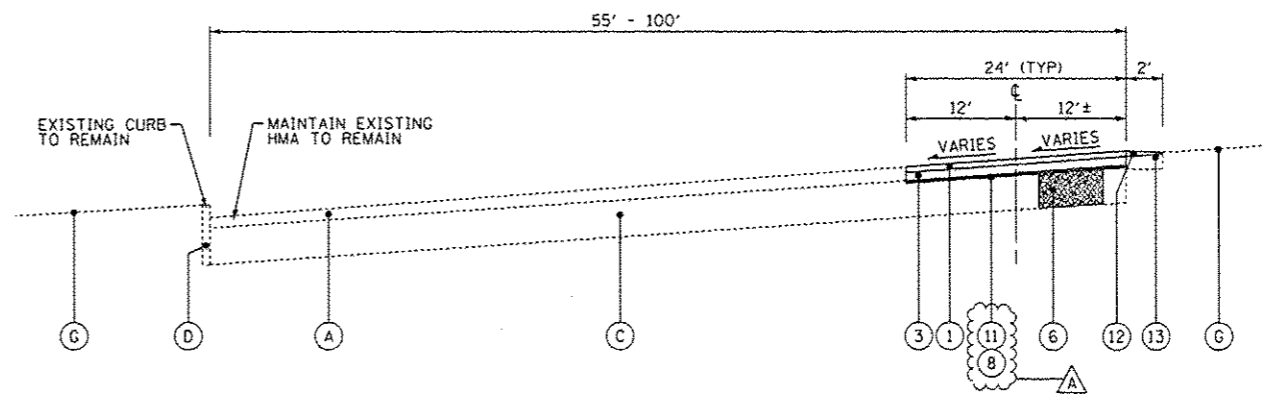
EXISTING TYPICAL SECTION
ROAD 3
STA 300+10 TO STA 305+61



EXISTING TYPICAL SECTION
ROAD 4
STA 412+27 TO STA 414+93



PROPOSED TYPICAL SECTION
ROAD 3
STA 300+10 TO STA 305+61



PROPOSED TYPICAL SECTION
ROAD 4
STA 412+27 TO STA 414+93

EXISTING LEGEND

- (A) EXISTING HMA SURFACE - 1 1/2" - 2 1/2"
- (AA) EXISTING HMA SURFACE - 4"
- (B) EXISTING PCC PAVEMENT - 6"
- (C) EXISTING AGGREGATE BASE - 1" - 8"
- (D) EXISTING CURB
- (E) EXISTING CURB AND GUTTER
- (F) EXISTING AGGREGATE SHOULDER - 3"± (WHERE IT EXISTS)
- (G) EXISTING GROUND
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- (I) CURB REMOVAL
- (J) COMBINATION CURB AND GUTTER REMOVAL
- (K) PAVEMENT REMOVAL
- (Hatched) ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/4"
- (4) LEVELING BINDER (MACHINE METHOD), N50 - 1"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.J12
- (6) BASE COURSE REMOVAL (SPECIAL) AND AGGREGATE BASE COURSE, TYPE B (AS DETERMINED BY THE ENGINEER)
- (7) AGGREGATE BASE COURSE, TYPE B - 4"
- (8) AGGREGATE BASE COURSE, TYPE B (±1")
- (9) CLASS D PATCHES - 6" (AS DETERMINED BY THE ENGINEER)
- (10) CLASS D PATCHES - 4" (AS DETERMINED BY THE ENGINEER)
- (11) PREPARATION OF BASE
- (12) GRADING AND SHAPING SHOULDERS
- (13) AGGREGATE WEDGE SHOULDER, TYPE B
- (14) PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- (15) TOPSOIL FURNISH AND PLACE, 4"
- (16) SEEDING, CLASS 1A

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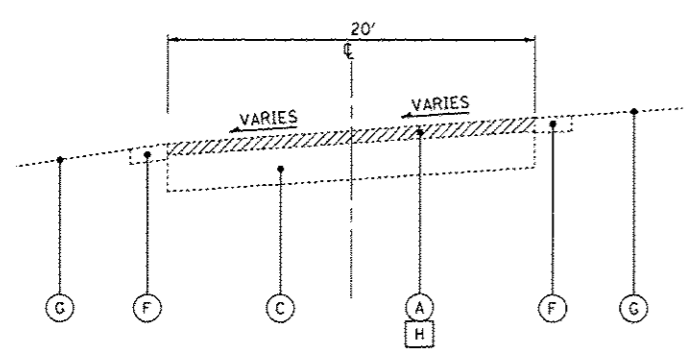
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DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
EXISTING AND PROPOSED TYPICAL SECTIONS

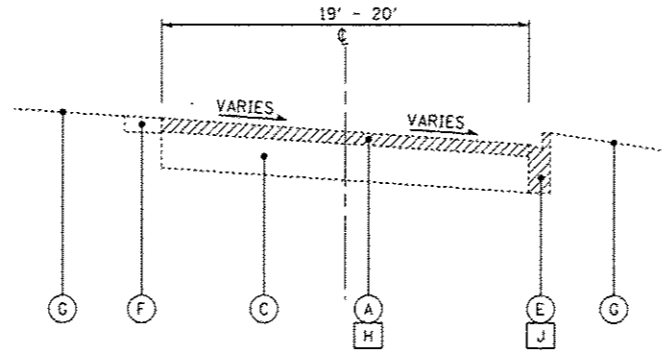
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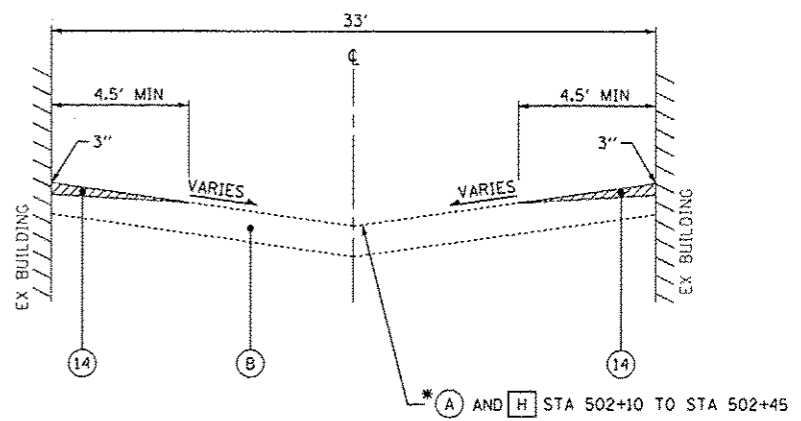
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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C-91-374-14		CONTRACT NO. 60Y37		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



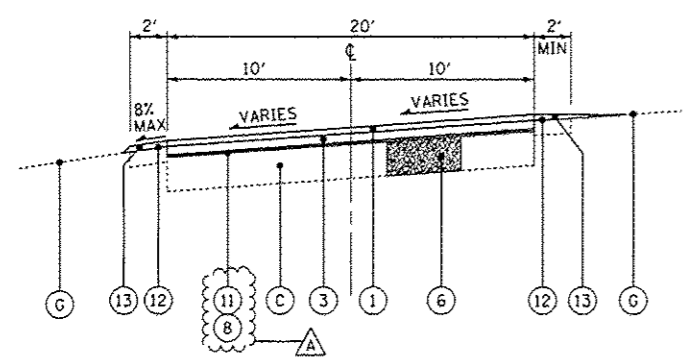
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ROAD 4
STA 414+93 TO STA 416+65



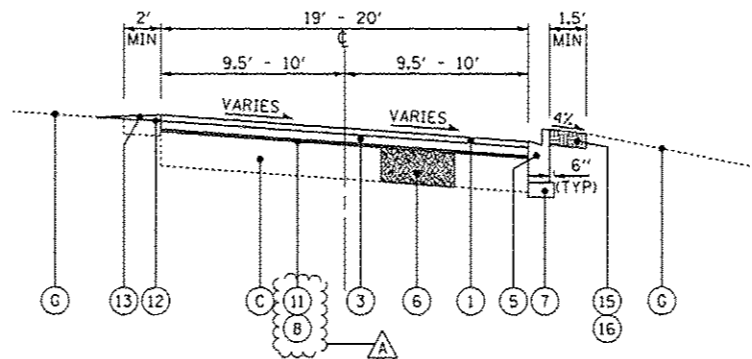
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ROAD 4
STA 416+70 TO STA 419+00



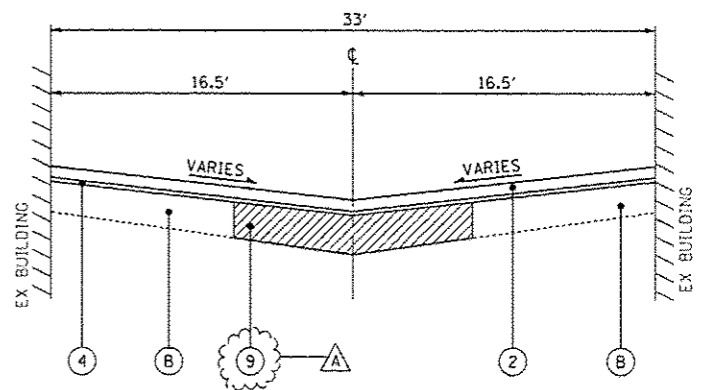
EXISTING TYPICAL SECTION
ROAD 5
STA 500+19 TO STA 502+45



PROPOSED TYPICAL SECTION
ROAD 4
STA 414+93 TO STA 416+65



PROPOSED TYPICAL SECTION
ROAD 4
STA 416+70 TO STA 419+00



PROPOSED TYPICAL SECTION
ROAD 5
STA 500+19 TO STA 502+45

EXISTING LEGEND

- (A) EXISTING HMA SURFACE - 1 1/2" - 2 1/2"
- (AA) EXISTING HMA SURFACE - 4"
- (B) EXISTING PCC PAVEMENT - 6"
- (C) EXISTING AGGREGATE BASE - 1" - 8"
- (D) EXISTING CURB
- (E) EXISTING CURB AND GUTTER
- (F) EXISTING AGGREGATE SHOULDER - 3"± (WHERE IT EXISTS)
- (G) EXISTING GROUND
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- (I) CURB REMOVAL
- (J) COMBINATION CURB AND GUTTER REMOVAL
- (K) PAVEMENT REMOVAL
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NSO - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", NSO - 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, NSO - 2 1/4"
- (4) LEVELING BINDER (MACHINE METHOD), NSO - 1"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) BASE COURSE REMOVAL (SPECIAL) AND AGGREGATE BASE COURSE, TYPE B (AS DETERMINED BY THE ENGINEER)
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- (8) AGGREGATE BASE COURSE, TYPE B (±1")
- (9) CLASS D PATCHES - 6" (AS DETERMINED BY THE ENGINEER)
- (10) CLASS D PATCHES - 4" (AS DETERMINED BY THE ENGINEER)
- (11) PREPARATION OF BASE
- (12) GRADING AND SHAPING SHOULDERS
- (13) AGGREGATE WEDGE SHOULDER, TYPE B
- (14) PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- (15) TOPSOIL FURNISH AND PLACE, 4"
- (16) SEEDING, CLASS 1A

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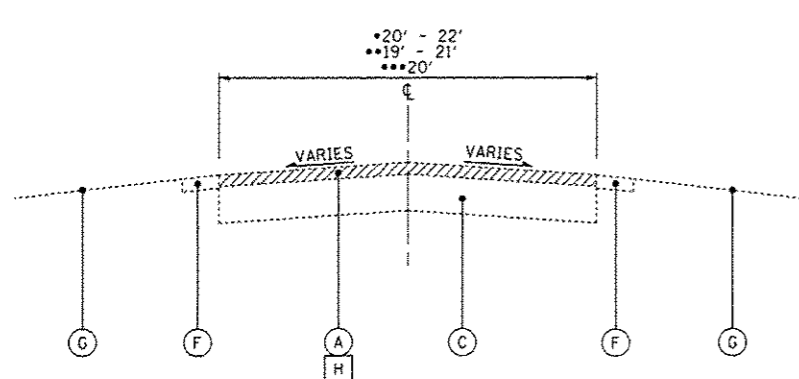
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
EXISTING AND PROPOSED TYPICAL SECTIONS

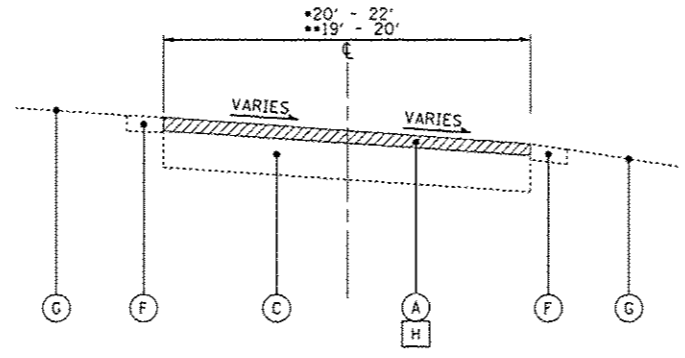
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C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE STA. TO STA.



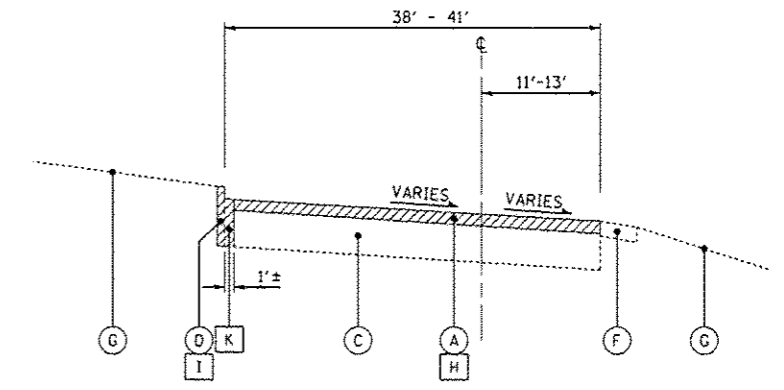
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- ROAD 6 STA 608+89 TO STA 611+17
- ROAD 6 STA 616+03 TO STA 616+90
- ROAD 6A STA 625+12 TO STA 626+40



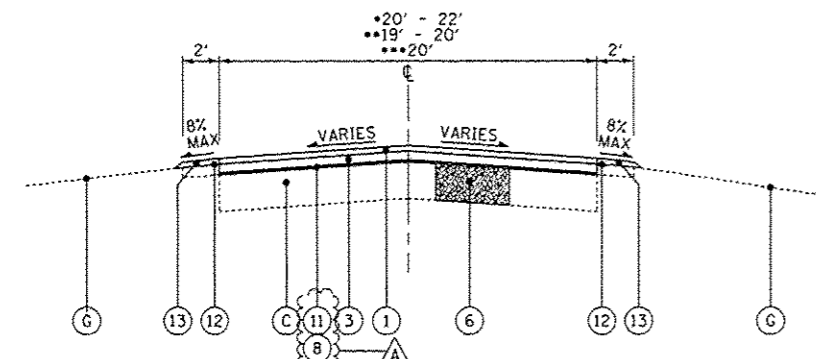
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- ROAD 6
- ROAD 6 STA 611+17 TO STA 614+48
- ROAD 6 STA 616+90 TO STA 620+55



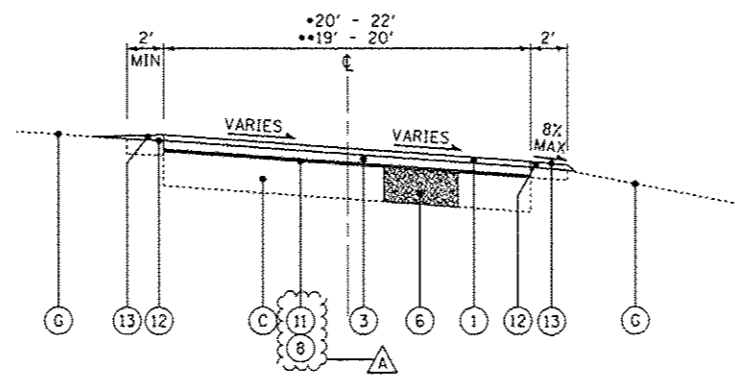
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- ROAD 6
- STA 614+48 TO STA 616+03



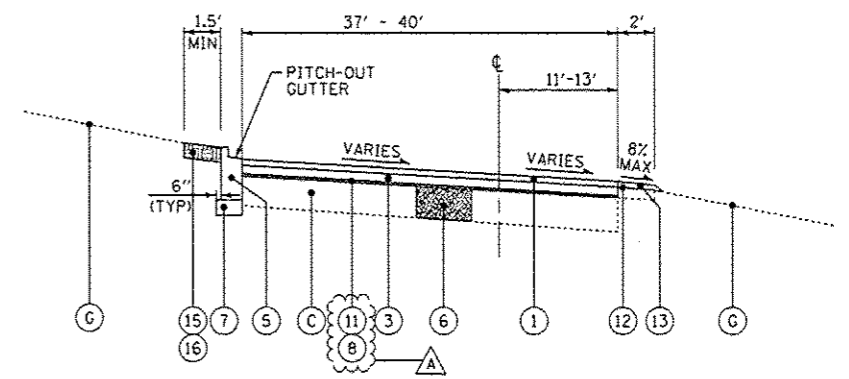
PROPOSED TYPICAL SECTION

- ROAD 6 STA 608+89 TO STA 611+17
- ROAD 6 STA 616+03 TO STA 616+90
- ROAD 6A STA 625+12 TO STA 626+40



PROPOSED TYPICAL SECTION

- ROAD 6
- ROAD 6 STA 611+17 TO STA 614+48
- ROAD 6 STA 616+90 TO STA 620+55



PROPOSED TYPICAL SECTION

- ROAD 6
- STA 614+48 TO STA 616+03

EXISTING LEGEND

- (A) EXISTING HMA SURFACE - 1 1/2" - 2 1/2"
- (AA) EXISTING HMA SURFACE - 4"
- (B) EXISTING PCC PAVEMENT - 6"
- (C) EXISTING AGGREGATE BASE - 1" - 8"
- (D) EXISTING CURB
- (E) EXISTING CURB AND GUTTER
- (F) EXISTING AGGREGATE SHOULDER - 3"± (WHERE IT EXISTS)
- (G) EXISTING GROUND
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- (I) CURB REMOVAL
- (J) COMBINATION CURB AND GUTTER REMOVAL
- (K) PAVEMENT REMOVAL
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/4"
- (4) LEVELING BINDER (MACHINE METHOD), N50 - 1"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) BASE COURSE REMOVAL (SPECIAL) AND AGGREGATE BASE COURSE, TYPE B (AS DETERMINED BY THE ENGINEER)
- (7) AGGREGATE BASE COURSE, TYPE B - 4"
- (8) AGGREGATE BASE COURSE, TYPE B (±1")
- (9) CLASS D PATCHES - 6" (AS DETERMINED BY THE ENGINEER)
- (10) CLASS D PATCHES - 4" (AS DETERMINED BY THE ENGINEER)
- (11) PREPARATION OF BASE
- (12) GRADING AND SHAPING SHOULDERS
- (13) AGGREGATE WEDGE SHOULDER, TYPE B
- (14) PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- (15) TOPSOIL FURNISH AND PLACE, 4"
- (16) SEEDING, CLASS 1A

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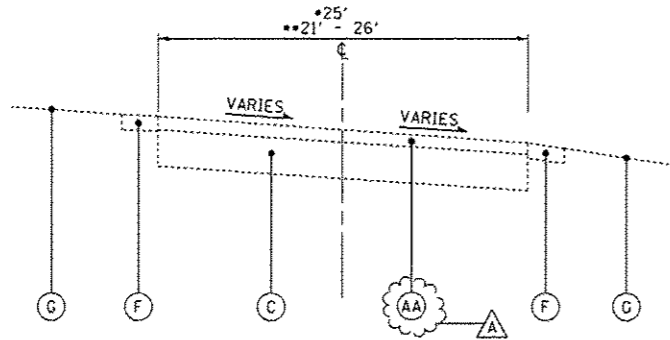
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
EXISTING AND PROPOSED TYPICAL SECTIONS

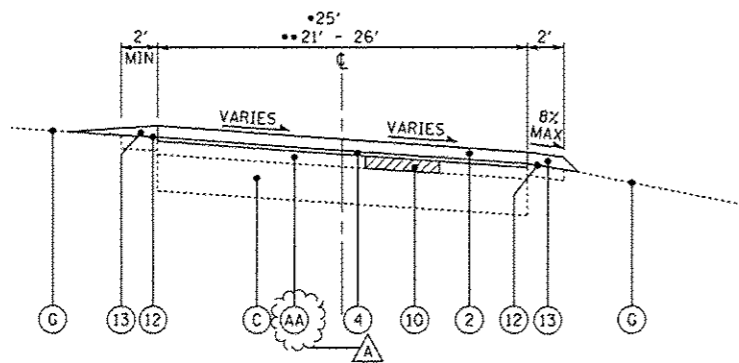
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347	2014-04RS	KANE	25	11
C-91-374-14		CONTRACT NO. 60Y37		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

SCALE: NONE STA. TO STA.



EXISTING TYPICAL SECTION

ROAD 7
 • ROAD 7 STA 700+10 TO STA 703+04
 •• ROAD 7 STA 703+04 TO STA 707+50



PROPOSED TYPICAL SECTION

ROAD 7
 • ROAD 7 STA 700+10 TO STA 703+04
 •• ROAD 7 STA 703+04 TO STA 707+50

EXISTING LEGEND

- (A) EXISTING HMA SURFACE - 1 1/2" - 2 1/2"
- (AA) EXISTING HMA SURFACE - 4"
- (B) EXISTING PCC PAVEMENT - 6"
- (C) EXISTING AGGREGATE BASE - 1" - 8"
- (D) EXISTING CURB
- (E) EXISTING CURB AND GUTTER
- (F) EXISTING AGGREGATE SHOULDER - 3"± (WHERE IT EXISTS)
- (G) EXISTING GROUND
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2"
- (I) CURB REMOVAL
- (J) COMBINATION CURB AND GUTTER REMOVAL
- (K) PAVEMENT REMOVAL
- [Hatched Box] ITEM TO BE REMOVED

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 2 1/4"
- (4) LEVELING BINDER (MACHINE METHOD), N50 - 1"
- (5) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (6) BASE COURSE REMOVAL (SPECIAL) AND AGGREGATE BASE COURSE, TYPE B (AS DETERMINED BY THE ENGINEER)
- (7) AGGREGATE BASE COURSE, TYPE B - 4"
- (8) AGGREGATE BASE COURSE, TYPE B (±1")
- (9) CLASS D PATCHES - 6" (AS DETERMINED BY THE ENGINEER)
- (10) CLASS D PATCHES - 4" (AS DETERMINED BY THE ENGINEER)
- (11) PREPARATION OF BASE
- (12) GRADING AND SHAPING SHOULDERS
- (13) AGGREGATE WEDGE SHOULDER, TYPE B
- (14) PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT
- (15) TOPSOIL FURNISH AND PLACE, 4"
- (16) SEEDING, CLASS 1A

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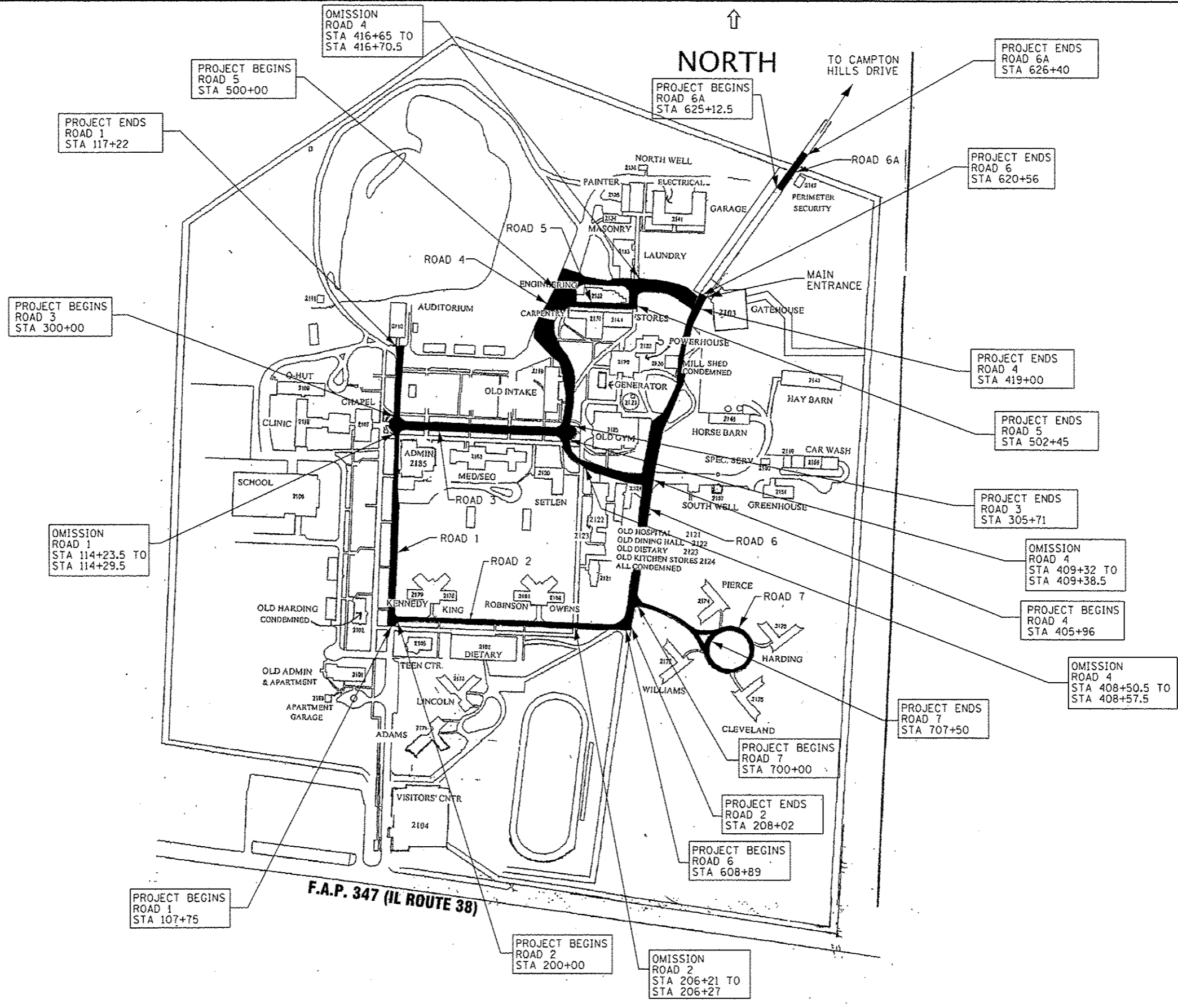
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
 EXISTING AND PROPOSED TYPICAL SECTIONS

SCALE: NONE

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04RS	KANE	25	12
C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 PROJECT NO. 140183.W0-1-Gen-LAYOUT.dgn
 DATE: 05-06-14
 FILE: 140183.W0-1-Gen-LAYOUT.dgn

DESIGNED - DSH	REVISED -
DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
DATE - 05-06-14	FILE - 140183.W0-1-Gen-LAYOUT.dgn

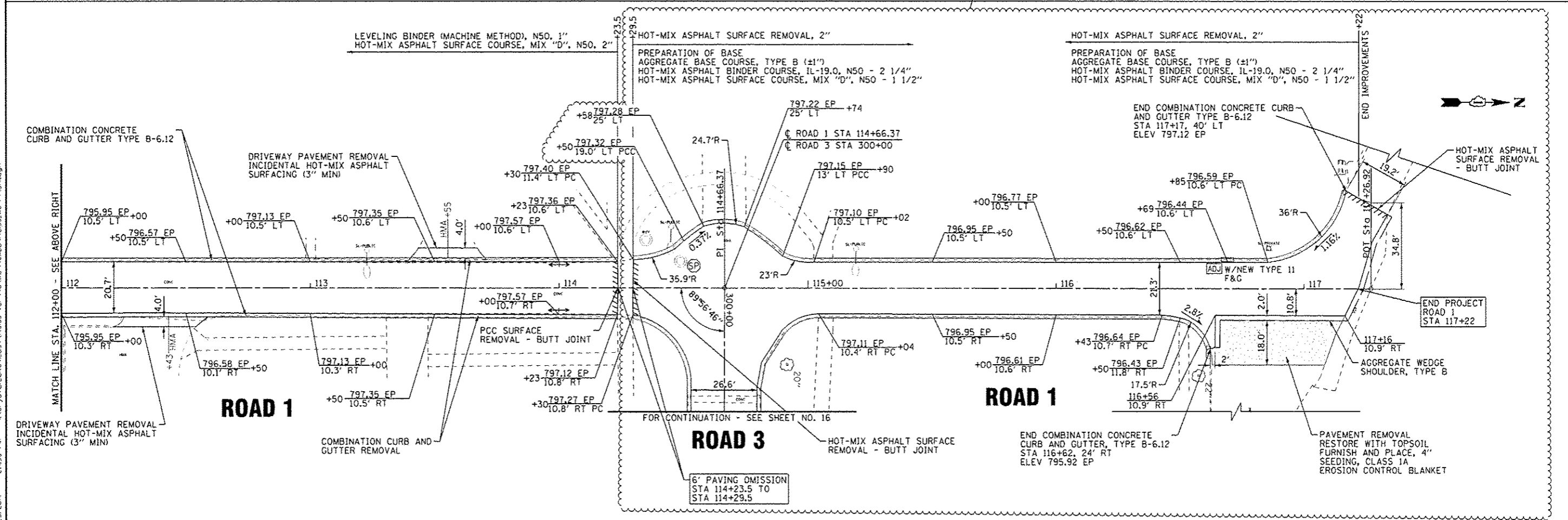
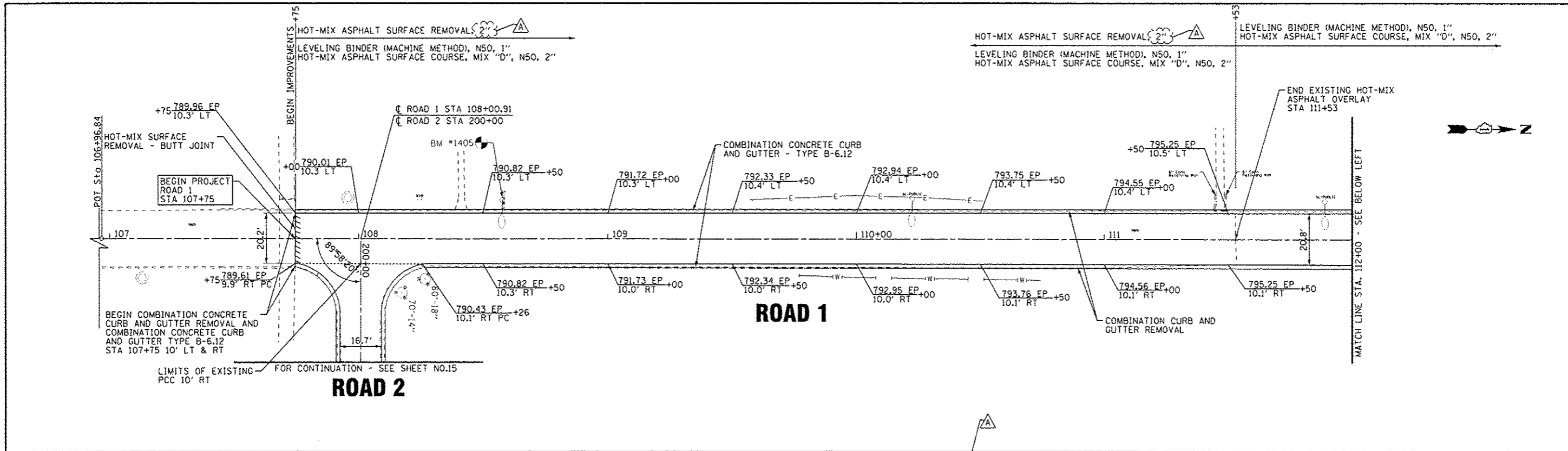
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
LAYOUT PLAN

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04RS	KANE	25	13
C-91-374-14		CONTRACT NO. 60Y37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

BAXTER & WOODMAN

SCALE: NONE STA. TO STA.



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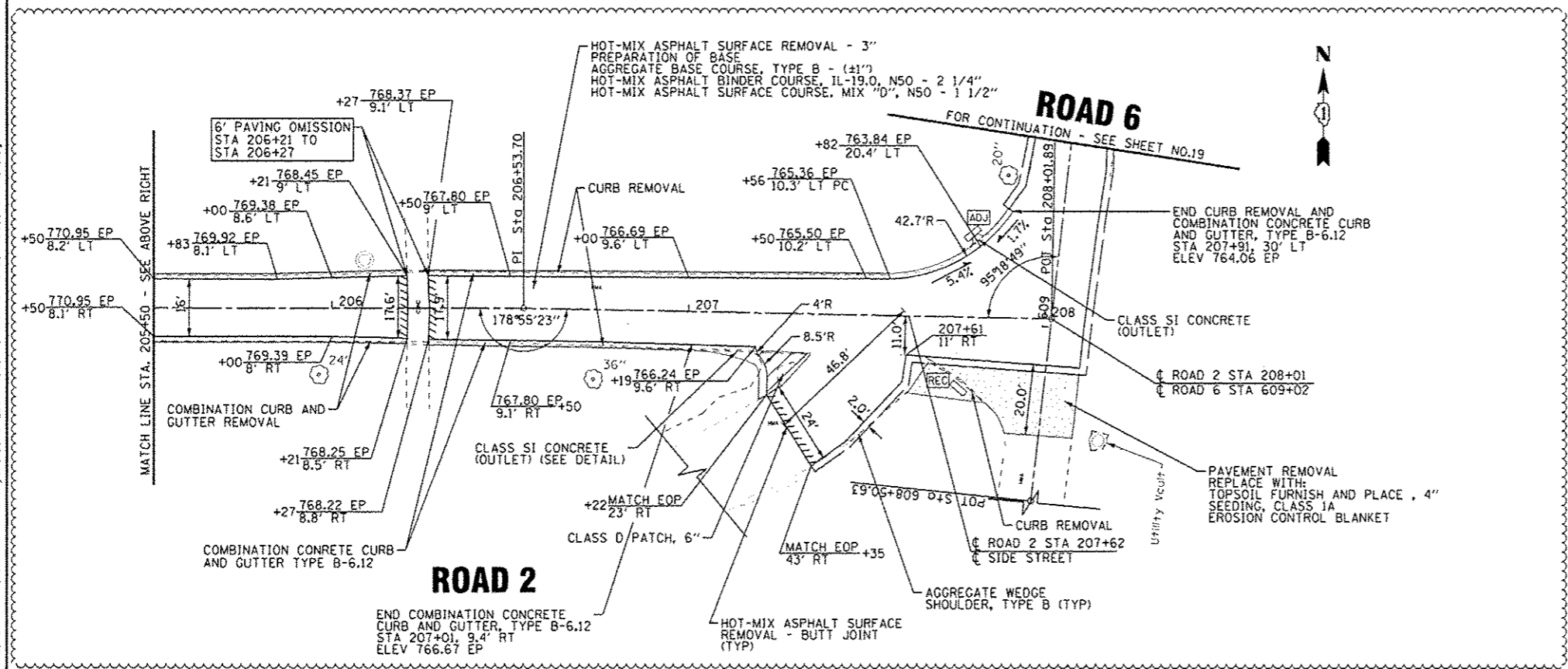
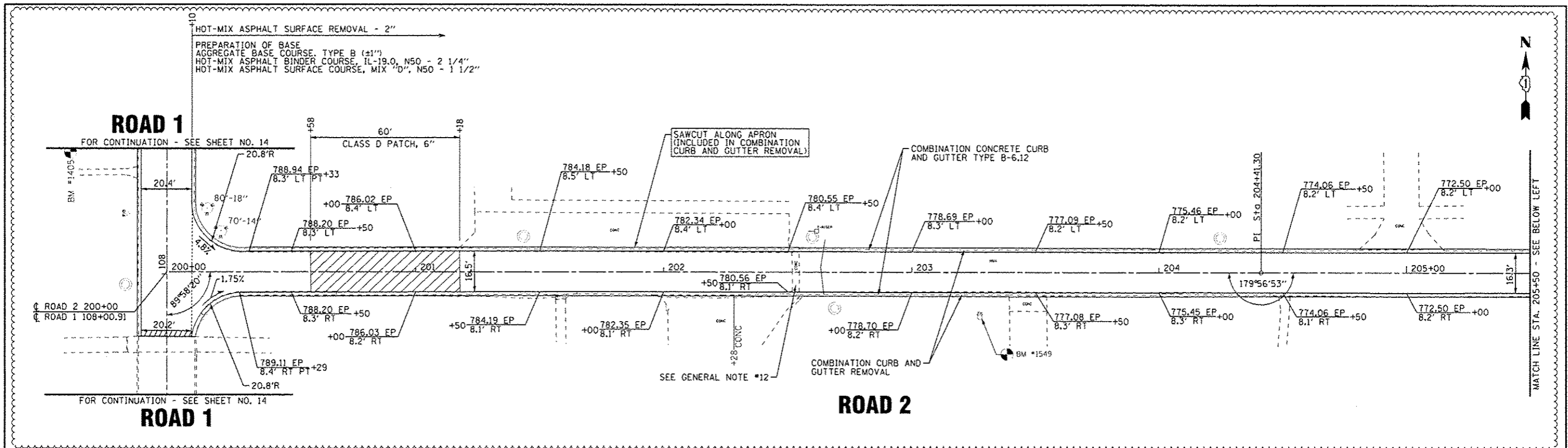
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	DRAWN - UKB	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS YOUTH CENTER - ST. CHARLES
ROADWAY PLAN - ROAD 1**

SCALE: 1"=20' STA. 107+00 TO STA. 117+22

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04RS	KANE	25	14
C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 \\p140183-w0-1-Plan2.dgn
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BAXTER & WOODMAN	DESIGNED - DSH	REVISED - A 5-23-14
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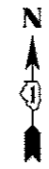
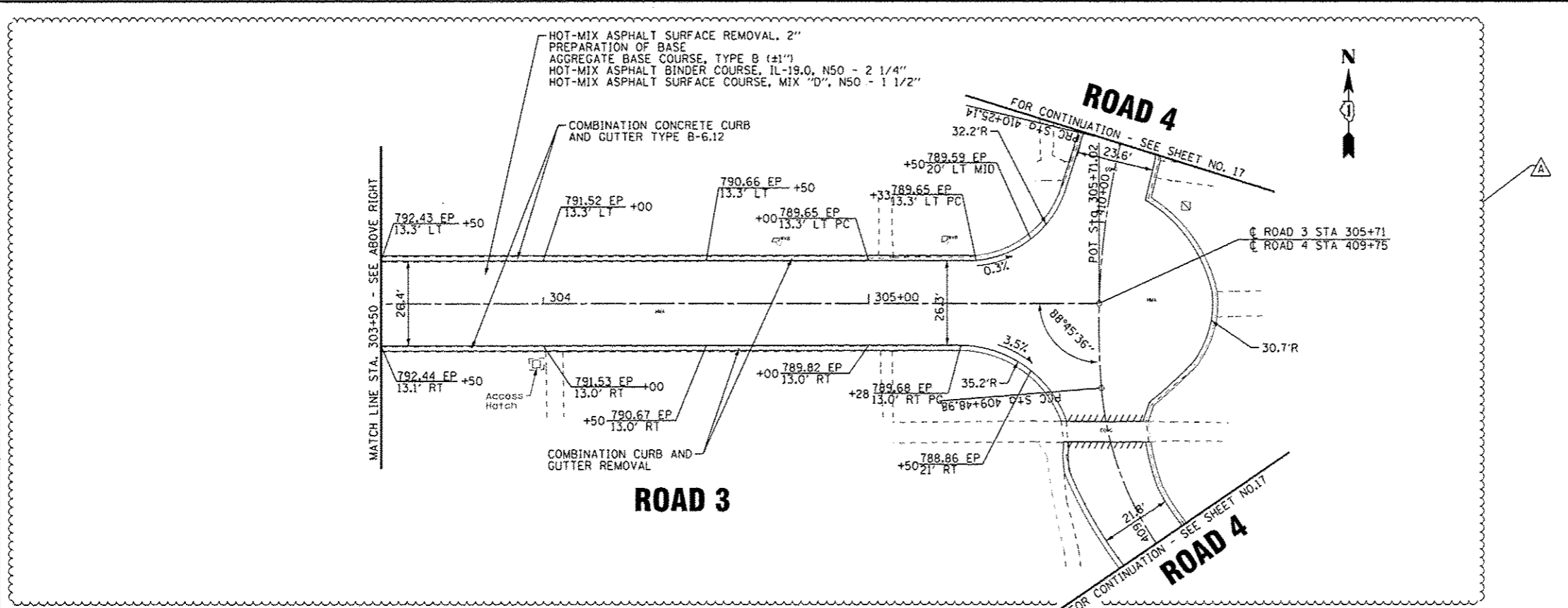
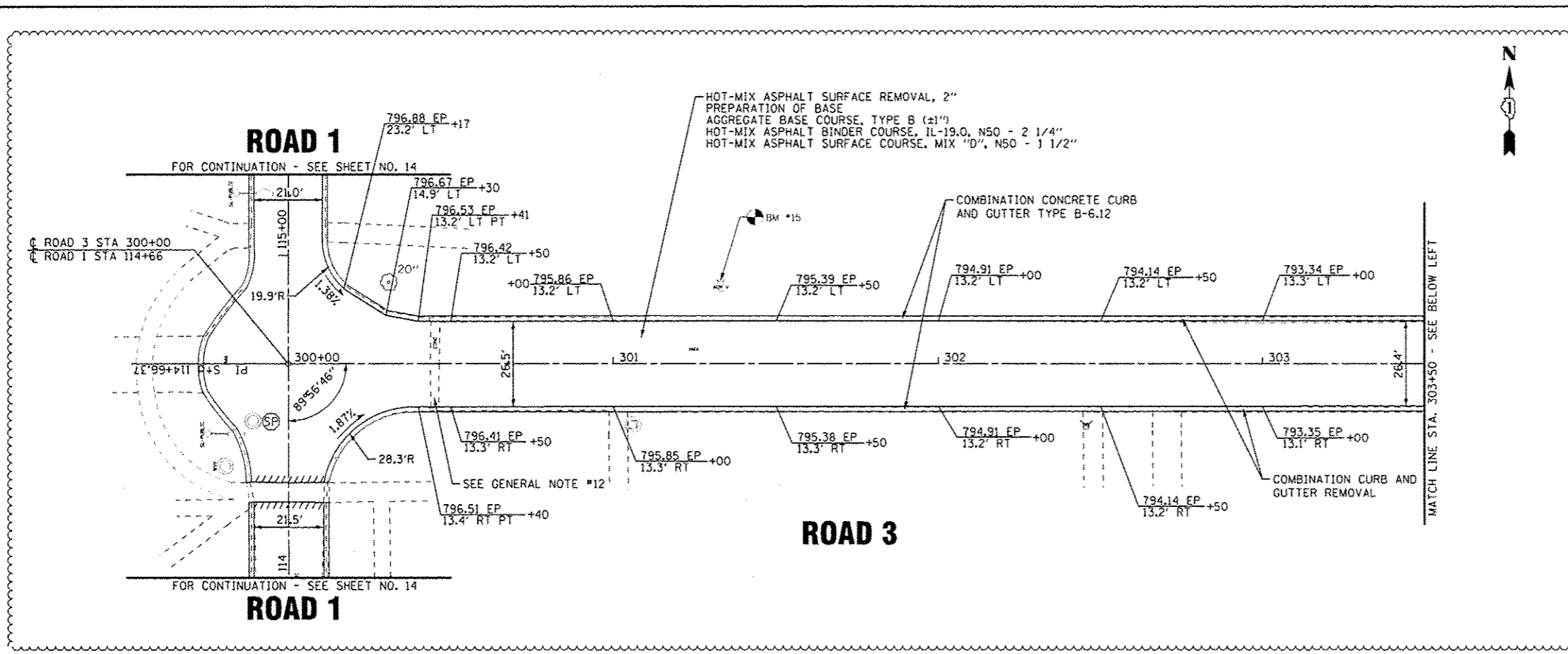
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
ROADWAY PLAN - ROAD 2

SCALE: 1"=20'

STA. 200+00 TO STA. 208+01

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04RS	KANE	25	15
C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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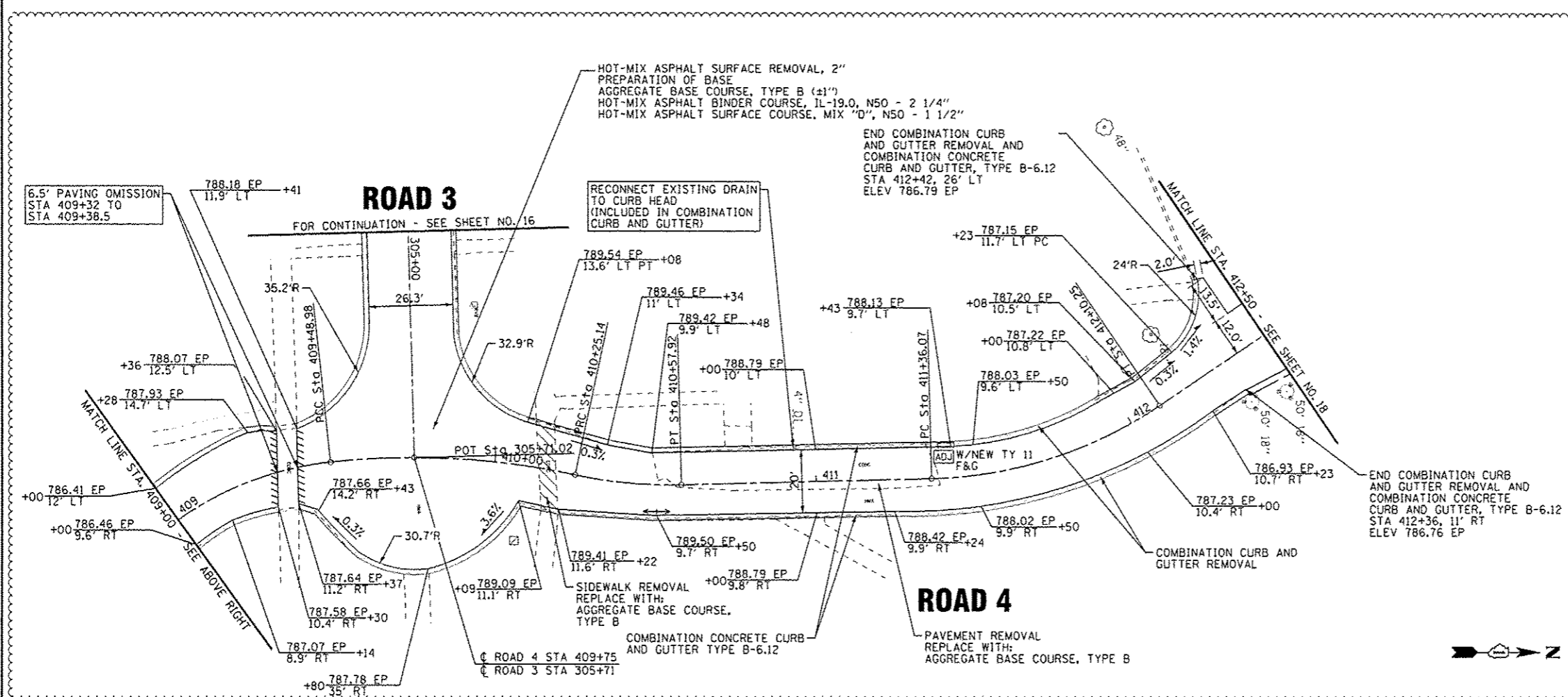
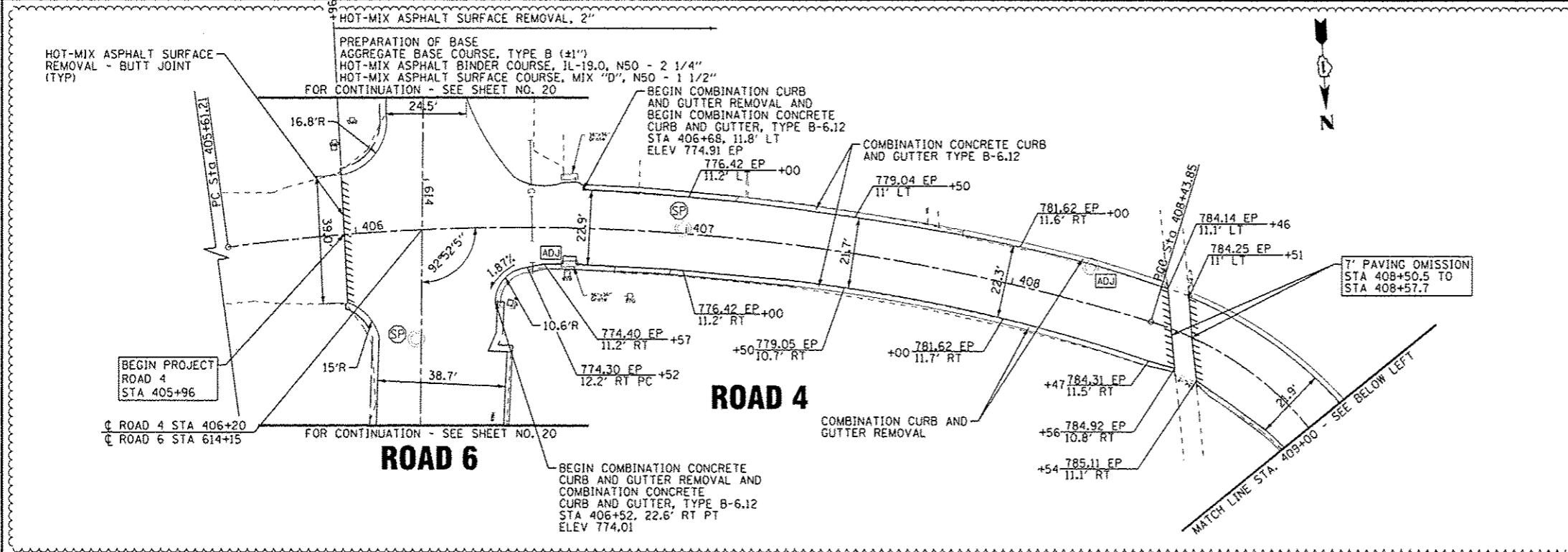
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
ROADWAY PLAN - ROAD 3

SCALE: 1"=20'

STA. 300+00 TO STA. 305+71

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04RS	KANE	25	16
C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
DATE - 05-06-14	FILE - 140183-W0-1-Plan4.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
ROADWAY PLAN - ROAD 4

SCALE: 1"=20'

STA. 405+61 TO STA. 412+50

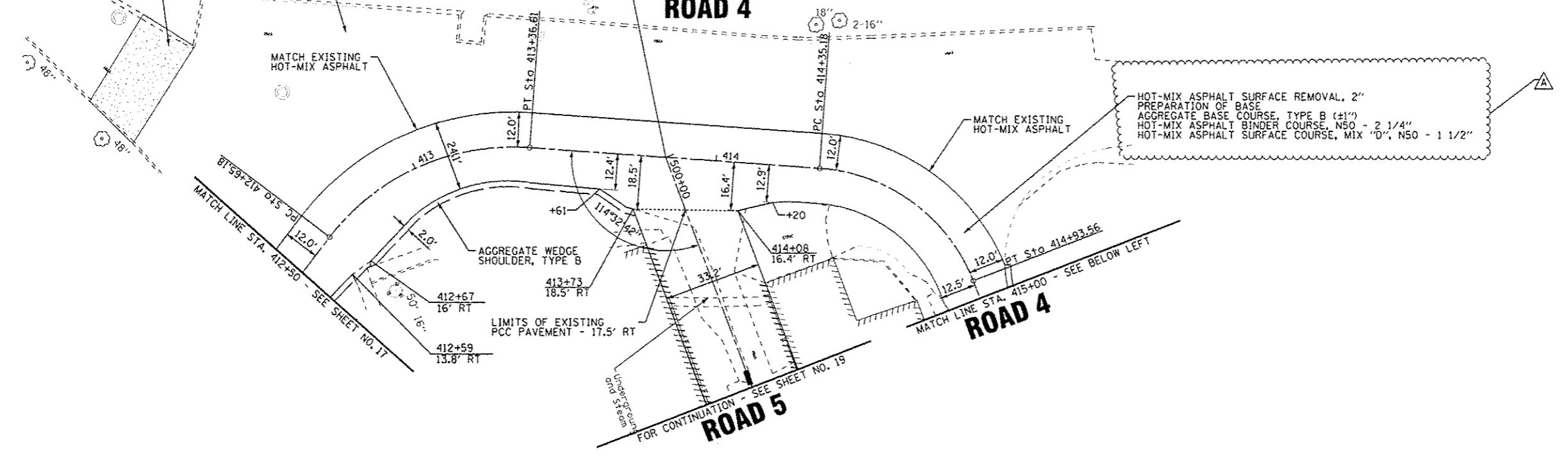
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347	2014-04RS	KANE	25	17
C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PAVEMENT REMOVAL
REPLACE WITH:
TOPSOIL FURNISH AND PLACE, 4"
SEEDING, CLASS 1A
EROSION CONTROL BLANKET

EXISTING HOT-MIX
ASPHALT TO REMAIN

ROAD 4 STA 413+82
ROAD 5 STA 500+00

ROAD 4

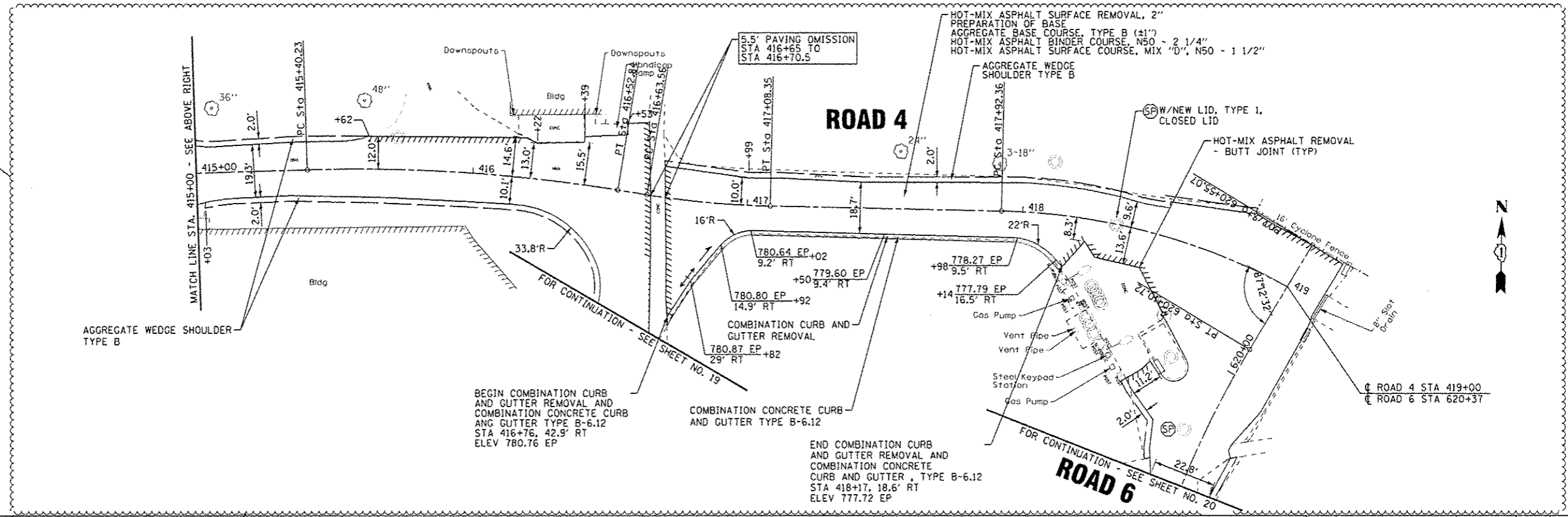


HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PREPARATION OF BASE
AGGREGATE BASE COURSE, TYPE B (±1")
HOT-MIX ASPHALT BINDER COURSE, N50 - 2 1/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"

AGGREGATE WEDGE
SHOULDER, TYPE B

LIMITS OF EXISTING
PCC PAVEMENT - 17.5' RT

ROAD 5



ROAD 4

HOT-MIX ASPHALT SURFACE REMOVAL, 2"
PREPARATION OF BASE
AGGREGATE BASE COURSE, TYPE B (±1")
HOT-MIX ASPHALT BINDER COURSE, N50 - 2 1/4"
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 1 1/2"

AGGREGATE WEDGE SHOULDER
TYPE B

BEGIN COMBINATION CURB
AND GUTTER REMOVAL AND
COMBINATION CONCRETE CURB
AND GUTTER TYPE B-6.12
STA 416+76, 42.9' RT
ELEV 780.76 EP

COMBINATION CONCRETE CURB
AND GUTTER TYPE B-6.12

END COMBINATION CURB
AND GUTTER REMOVAL AND
COMBINATION CONCRETE
CURB AND GUTTER, TYPE B-6.12
STA 418+17, 18.6' RT
ELEV 777.72 EP

ROAD 6

ROAD 4 STA 419+00
ROAD 6 STA 620+37

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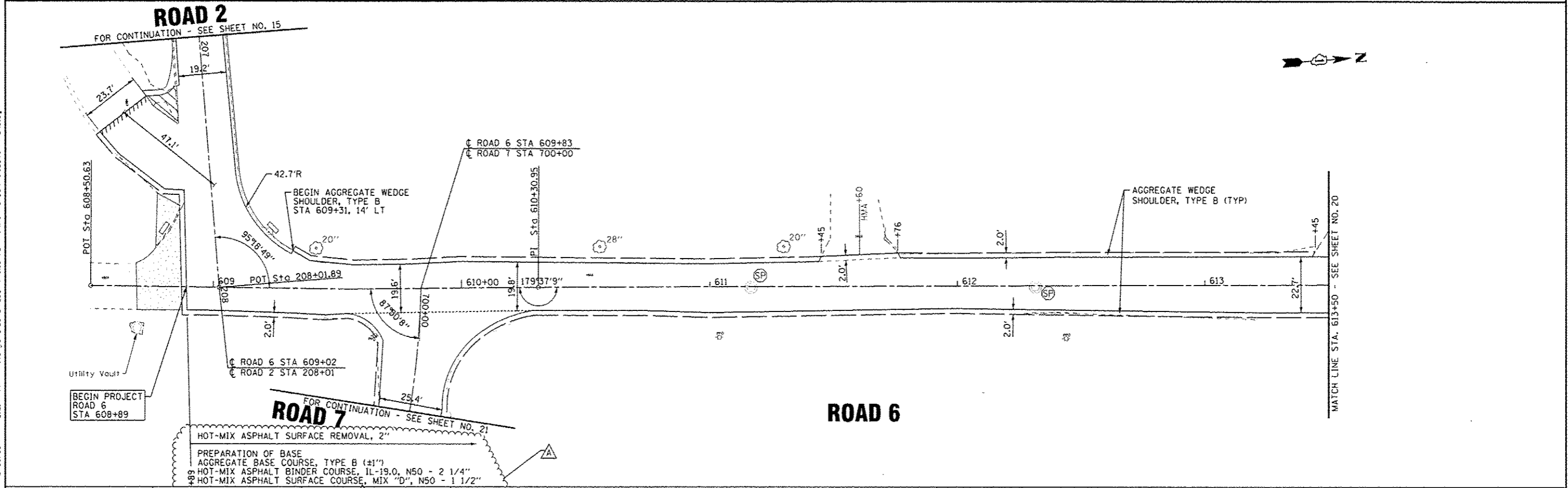
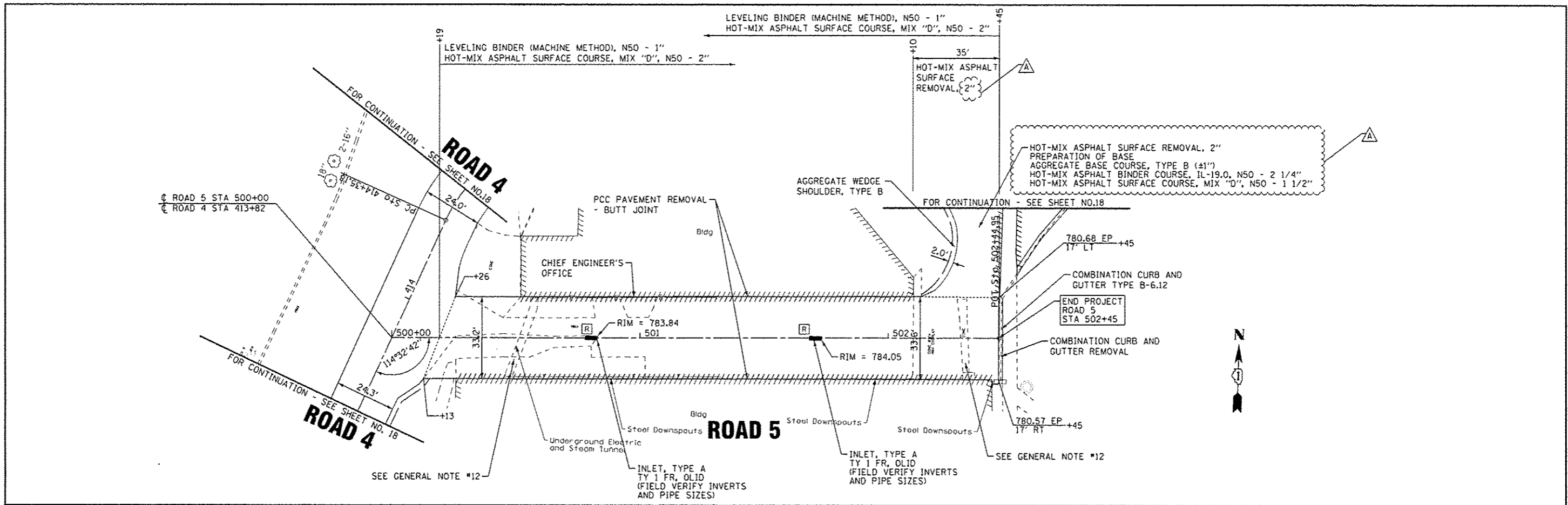
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DRAWN - UKB	REVISED -
CHECKED - LDH	REVISED -
DATE - 05-06-14	FILE - 140183.W0-1-Plan5.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ILLINOIS YOUTH CENTER - ST. CHARLES
ROADWAY PLAN - ROAD 4**

SCALE: 1"=20'
STA. 412+50 TO STA. 419+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04R5	KANE	25	18
C-91-374-14		CONTRACT NO. 60Y37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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BAXTER & WOODMAN	DESIGNED - DSH	REVISED - A 5-23-14
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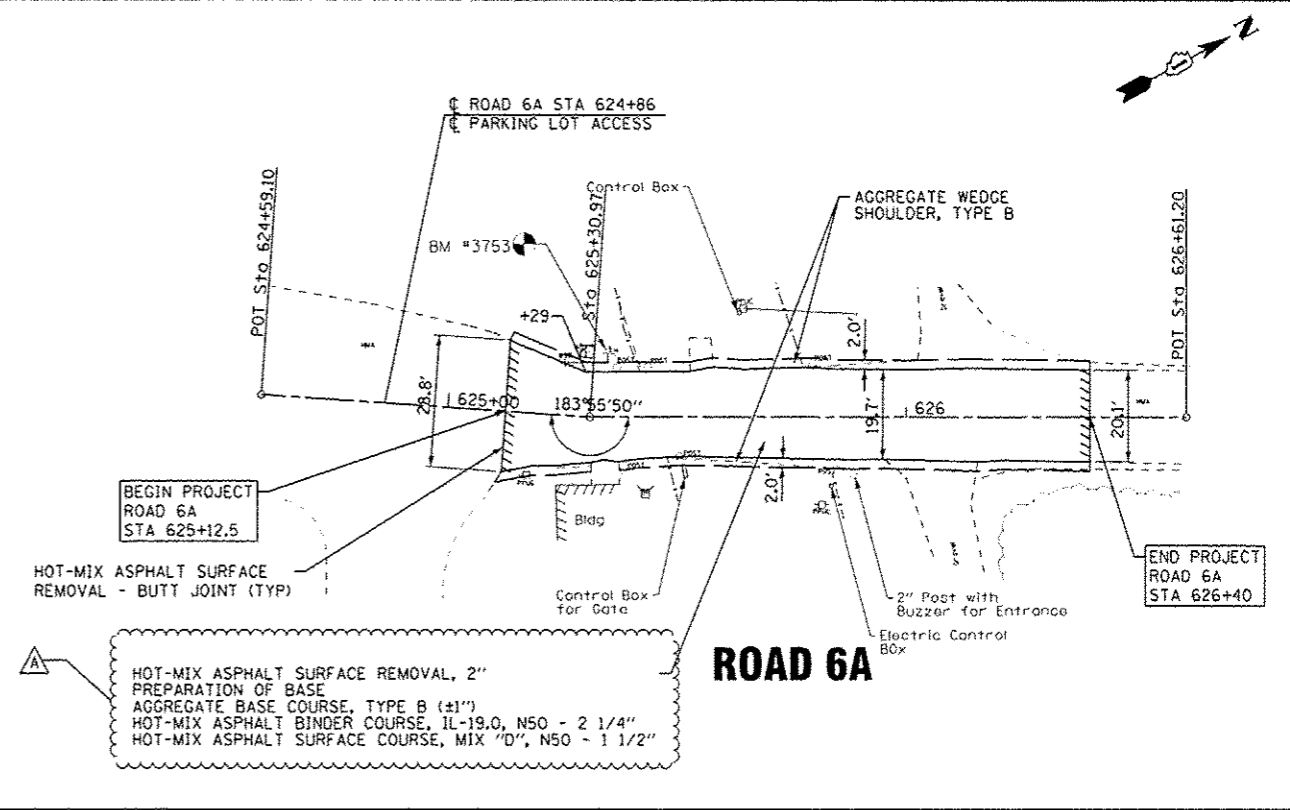
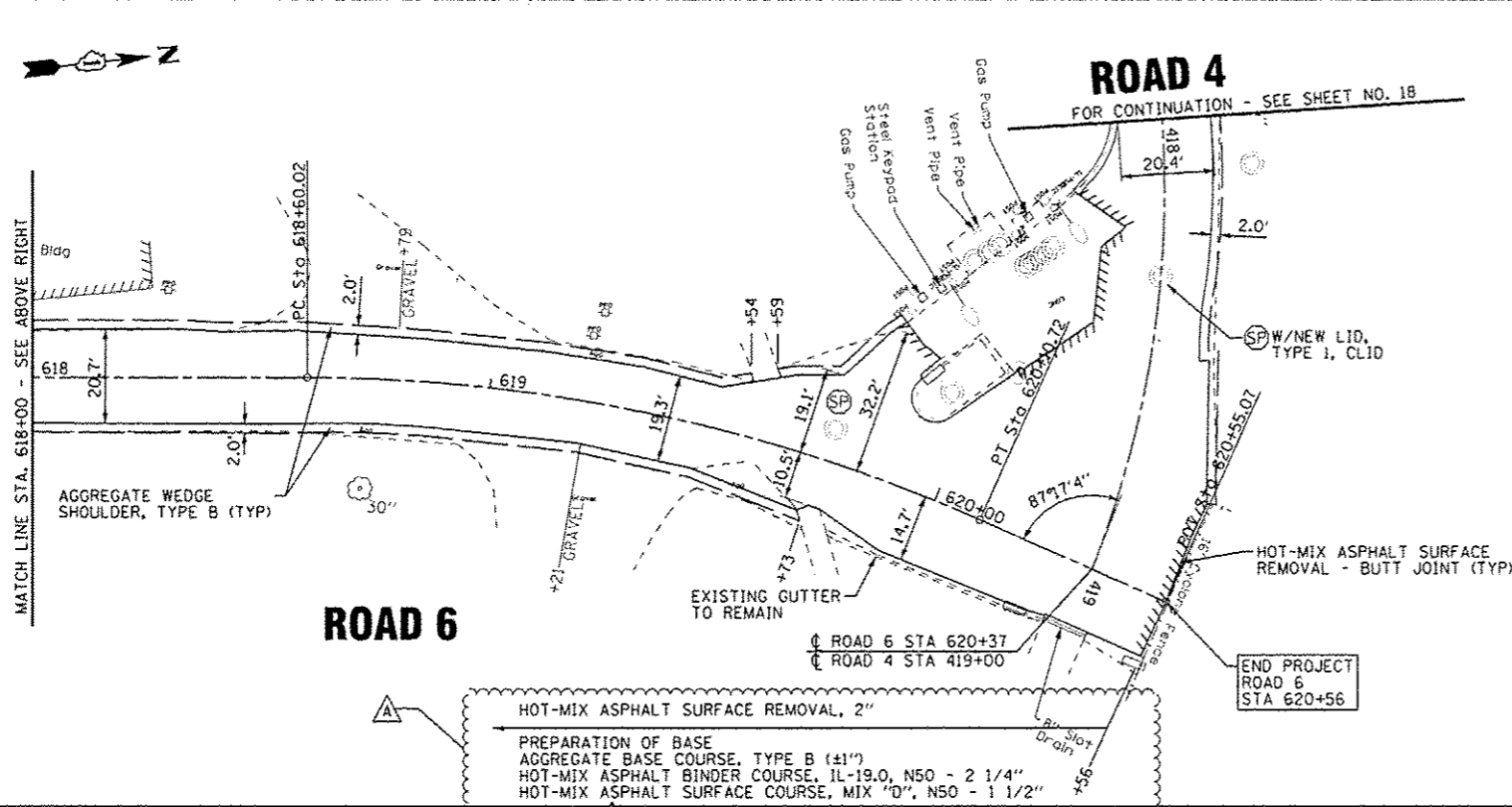
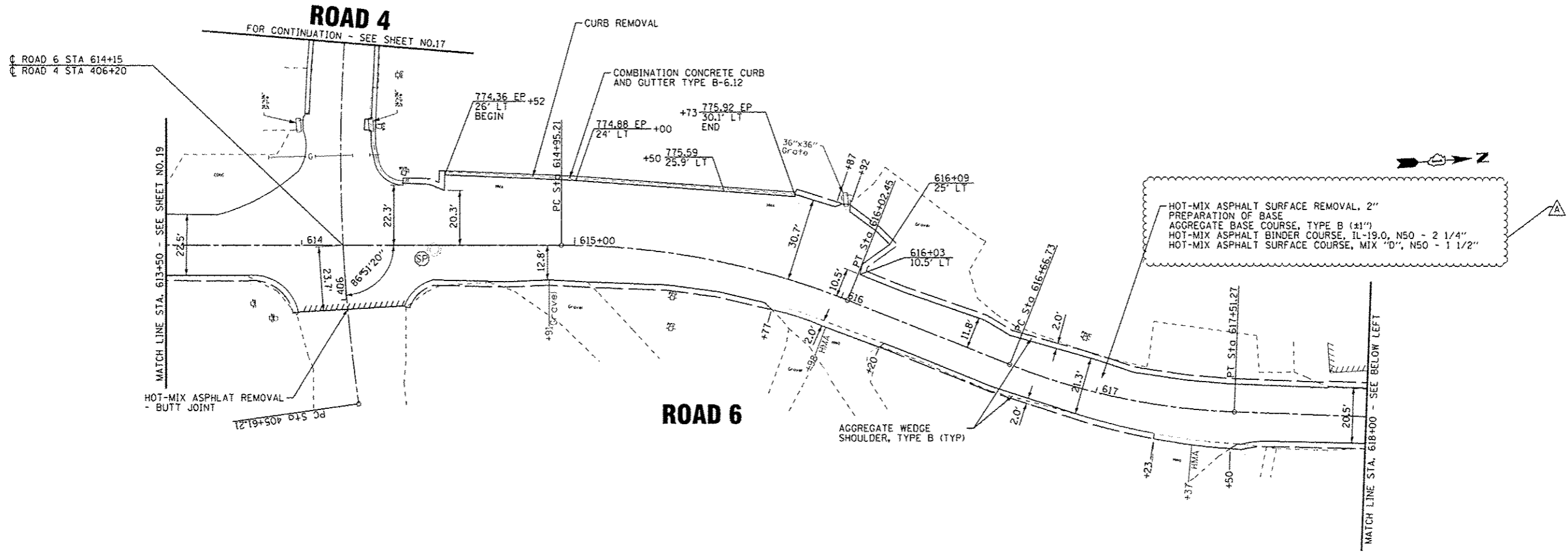
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
ROADWAY PLAN - ROAD 5 & 6

SCALE: 1"=20'

STA. 608+50 TO STA. 613+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04RS	KANE	25	19
C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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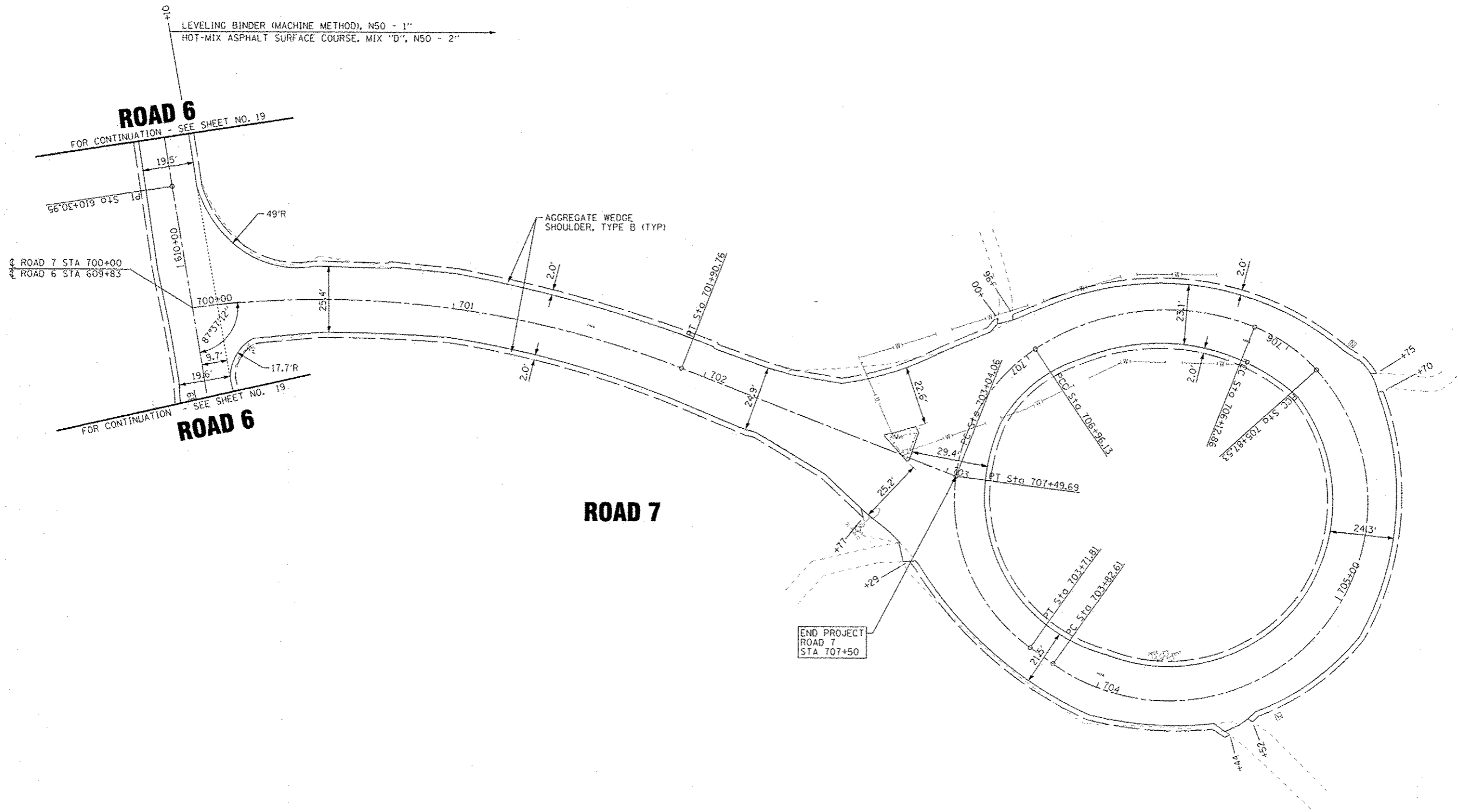
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
ROADWAY PLAN - ROAD 6 & 6A

SCALE: 1"=20'

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	2014-04RS	KANE	25	20
C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



PROJECT: I-55A BY BAXTER & WOODMAN, INC.
DRAWN BY: LDH
CHECKED BY: LDH
DATE: 05-06-14
FILE: I40183.W0-1-Plan8.dgn

BAXTER & WOODMAN
Consulting Engineers

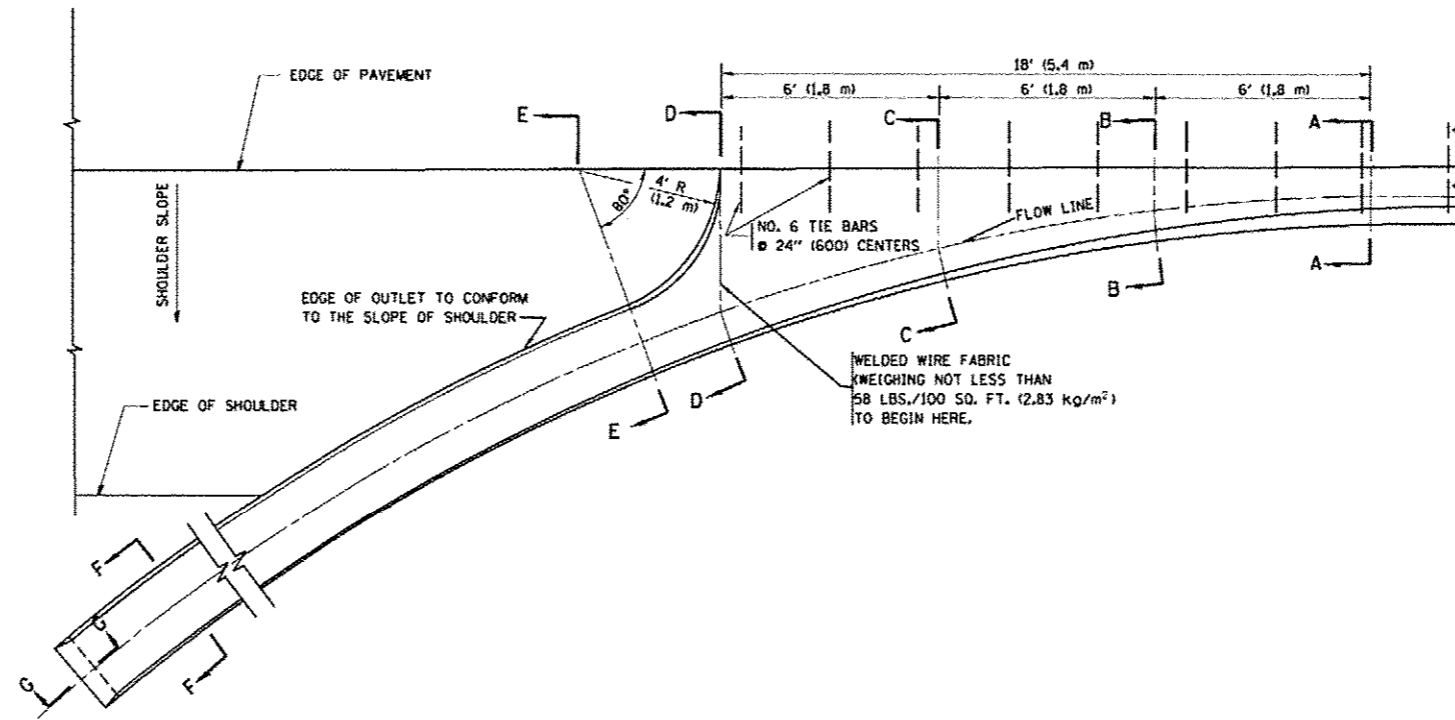
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DRAWN	UKR	REVISED	
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DATE	05-06-14	FILE	I40183.W0-1-Plan8.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS YOUTH CENTER - ST. CHARLES
ROADWAY PLAN - ROAD 7

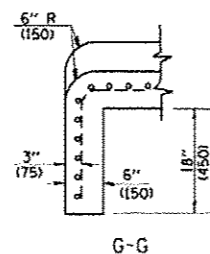
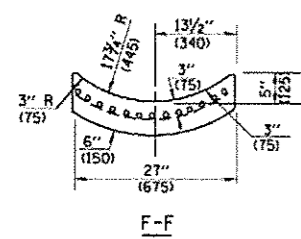
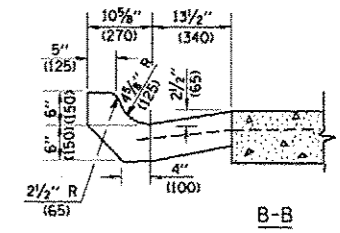
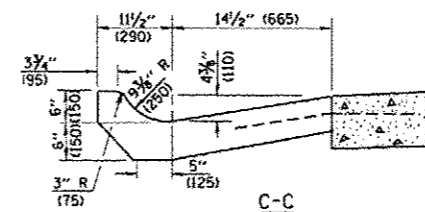
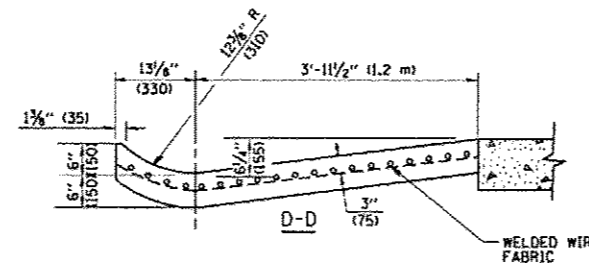
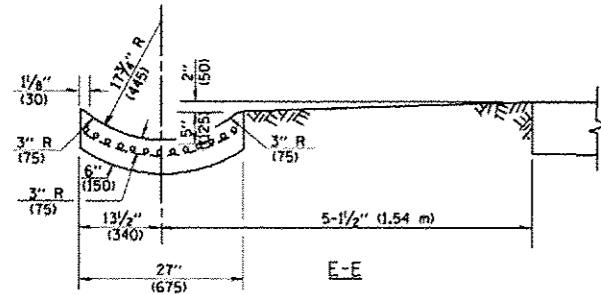
SCALE: 1"=20'
STA. 700+00 TO STA. 707+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
547	2014-04RS	KANE	25	21
C-91-374-14			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24" (600) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL:
 1.25 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 9" (225) PAV'T.
 1.27 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 10" (250) PAV'T.
 FOR SECTION F-F:
 0.045 CU. YDS. (0.03 m³) CLASS S1 CONCRETE PER FT. (M).

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

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 PLOT DATE: 1/4/2000

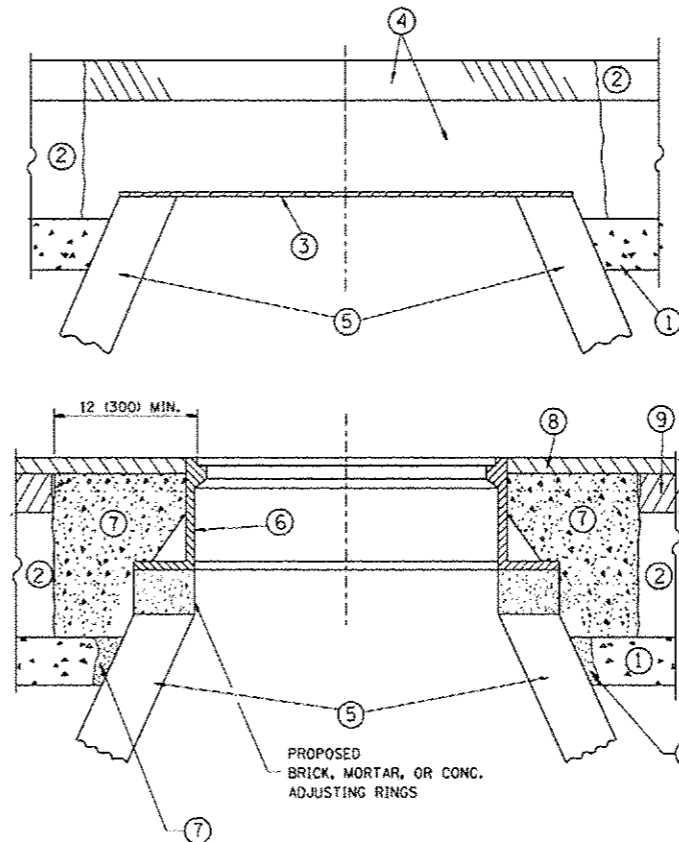
DESIGNED - M. DE YONG	REVISED - R. SHAN 09-09-94
DRAWN -	REVISED - R. SHAN 10-25-94
CHECKED -	REVISED - E. GOMEZ 12-21-00
DATE - 08-04-86	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

OUTLET FOR CONCRETE
 CURB AND GUTTER

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

F.A. RTE. 347	SECTION 2014-04RS	COUNTY KANE	TOTAL SHEETS 25	SHEET NO. 22
BD600-01 (BD-03)		CONTRACT NO. 60Y37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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 1/2 (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 PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

*UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

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 PP-1* CONCRETE
- 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:

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

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

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

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

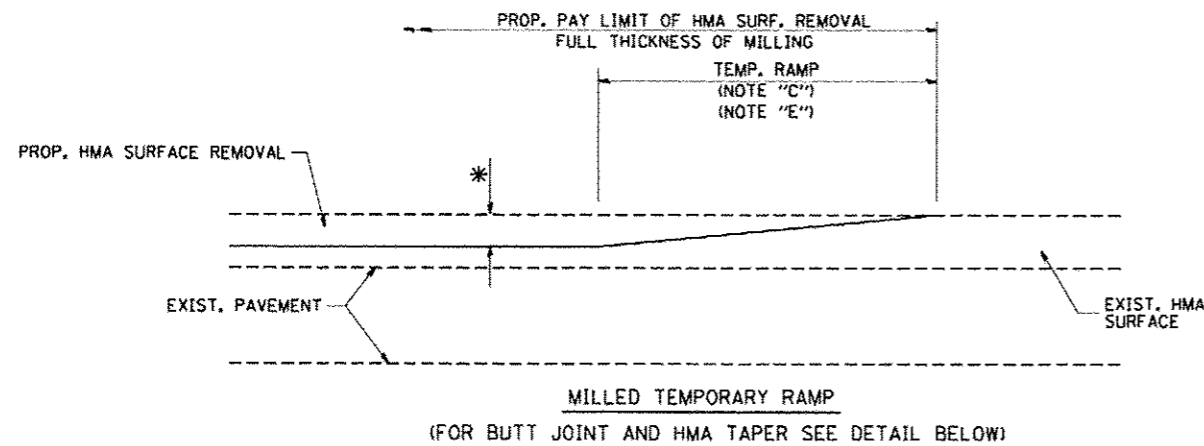
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		DRAWN -	REVISED - R. BORO 01-01-07
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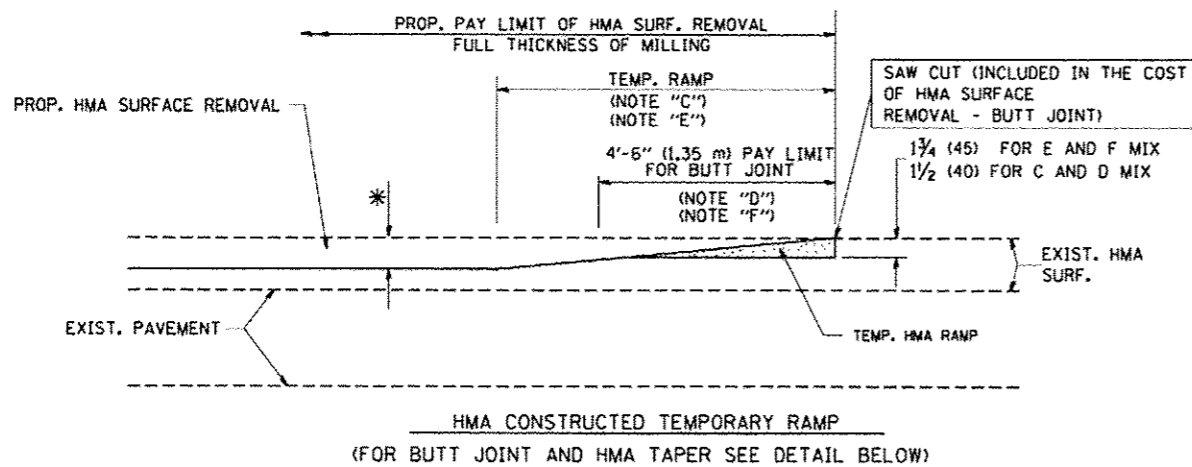
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

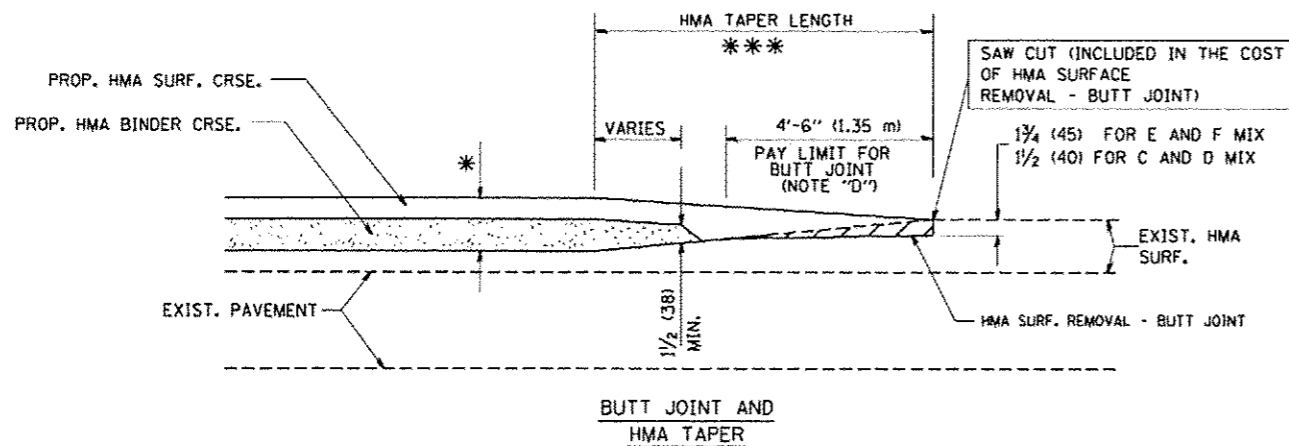
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BD600-03 (BD-8)			CONTRACT NO. 60Y37	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



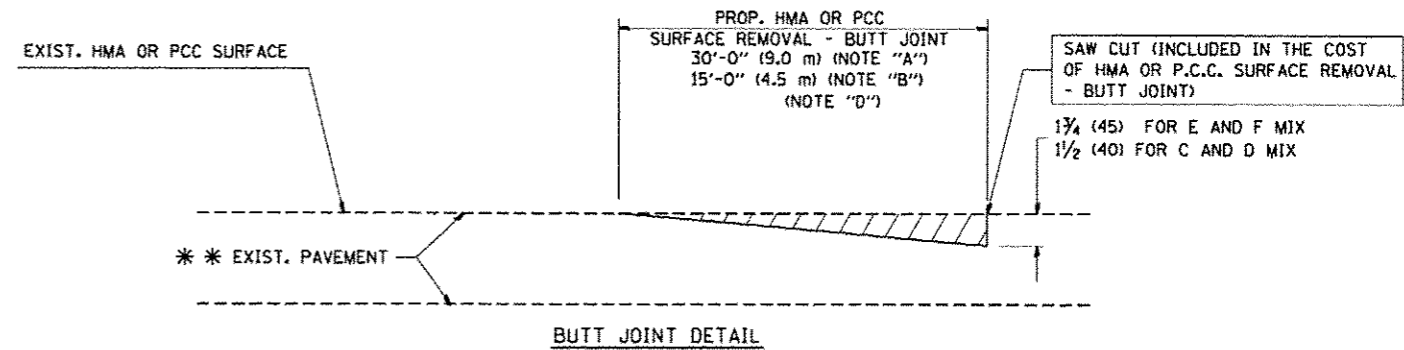
OPTION 1



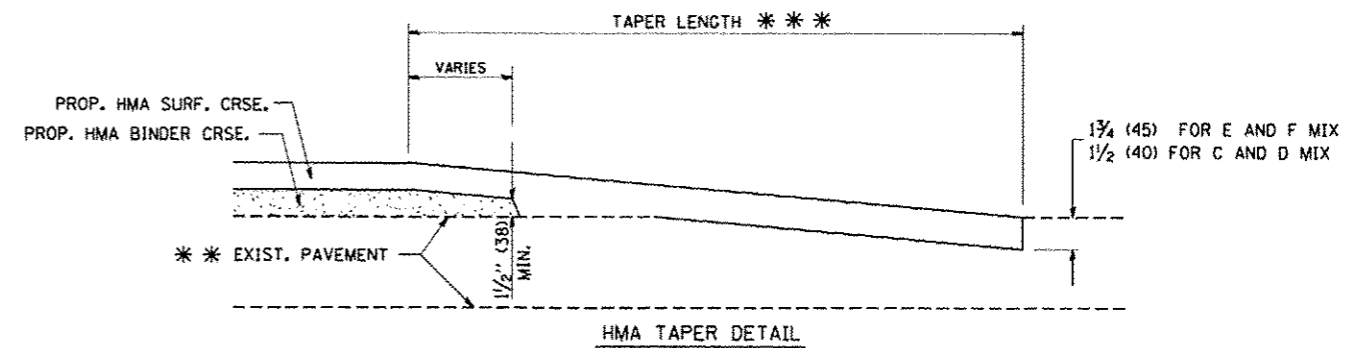
OPTION 2
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



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.

FILE NAME: M:\dst\td\22x34\bu02.dgn

USER NAME: gng11000

DESIGNED: M. DE YONG
DRAWN: A. ABBAS 03-21-97
CHECKED: M. GOMEZ 04-06-01
DATE: 06-13-90

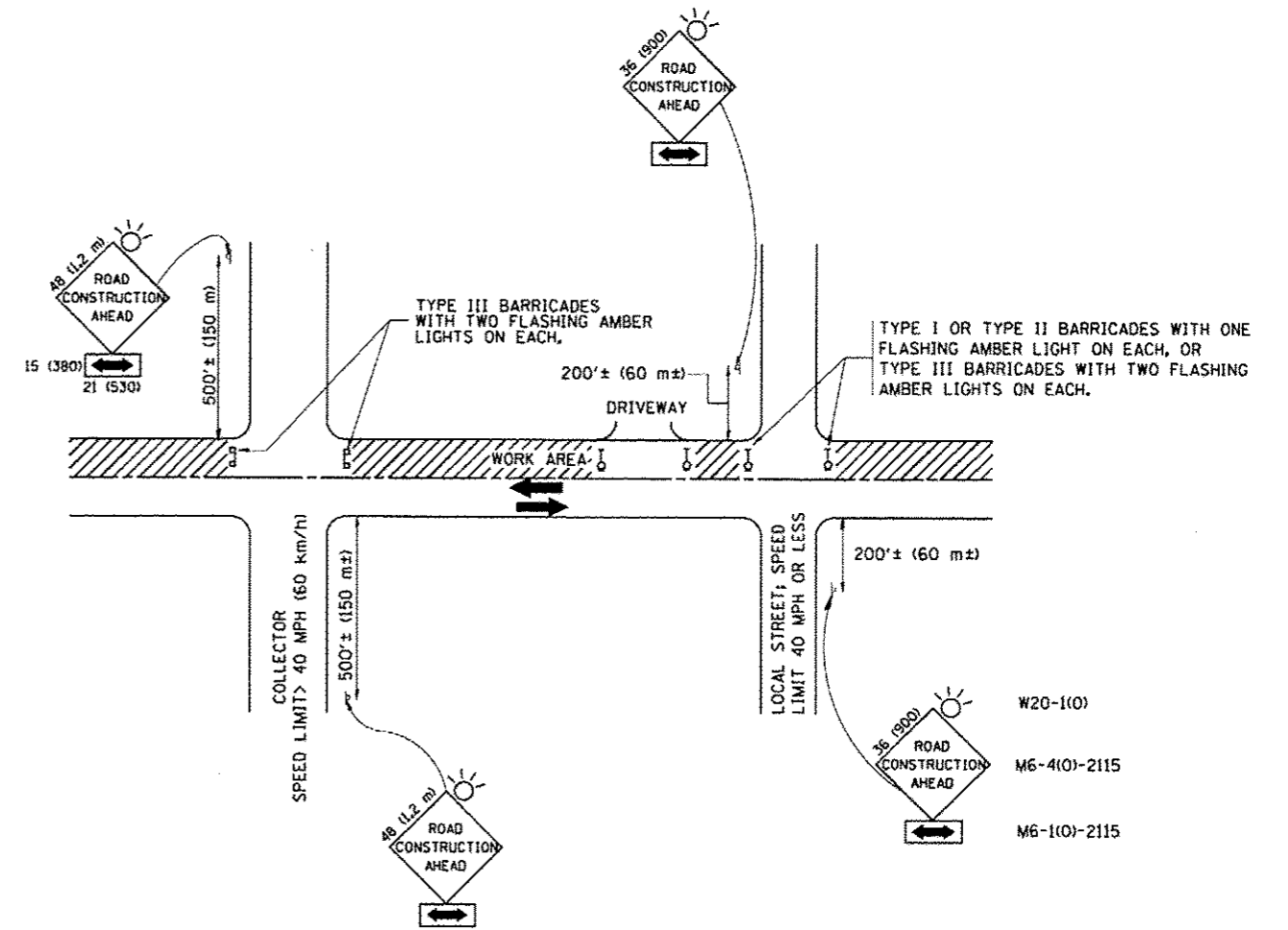
REVISED: R. SHAH 10-25-94
REVISED: A. ABBAS 03-21-97
REVISED: M. GOMEZ 04-06-01
REVISED: R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND
HMA TAPER DETAILS

F.A. RTE. 347	SECTION 2014-04RS	COUNTY KANE	TOTAL SHEETS 25	SHEET NO. 24
BD400-05 BD32		CONTRACT NO. 60Y37		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

FILE NAME = w:\distrs\d122x34\1618.dgn	USER NAME = gqglonibt	DESIGNED = LHA	REVISED = J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A. RTE. = 347	SECTION = 2014-04RS	COUNTY = KANE	TOTAL SHEETS = 25	SHEET NO. = 25
	PLOT SCALE = 50.000 1/4" IN.	CHECKED =	REVISED = A. HOUSEH 03-06-96				SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	TC-10	
	PLDT DATE = 1/4/2000	DATE = 06-89	REVISED = T. RAMMACHER 01-06-00				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				