

INDEX OF SHEETS 09-21-12 LETTING ITEM 045

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN VILLAGE OF MIDLOTHIAN, THE CITY OF HARVEY, THE VILLAGE OF POSEN AND THE VILLAGE OF DIXMOOR

TRAFFIC DATA:	ADT (2030)	DESIGN SPEED	POSTED SPEED
147TH STREET	23,000	40 MPH	35 MPH
KEDZIE AVENUE	22,000	40 MPH	35 MPH
DIXIE HIGHWAY	11,000	40 MPH	35 MPH
WESTERN AVENUE	10,000	40 MPH	35 MPH

PROJECT DESCRIPTION

THE PROPOSED 147TH STREET IMPROVEMENT INCLUDES PAVEMENT RECONSTRUCTION AND WIDENING, TRAFFIC SIGNALS, ROADWAY LIGHTING, AND DRAINAGE. WORK WILL INCLUDE PORTIONS OF I-57 ENTRANCE AND EXIT RAMP AS WELL AS PORTIONS OF WESTERN AVENUE AND DIXIE HIGHWAY.

DESIGN DESIGNATION

1780(30) ARTERIAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAP 397

IL-83 (147TH STREET): KEDZIE AVENUE TO WESTERN AVENUE (DIXIE HIGHWAY)

ROADWAY RECONSTRUCTION, LIGHTING AND TRAFFIC SIGNAL INSTALLATION

COOK COUNTY

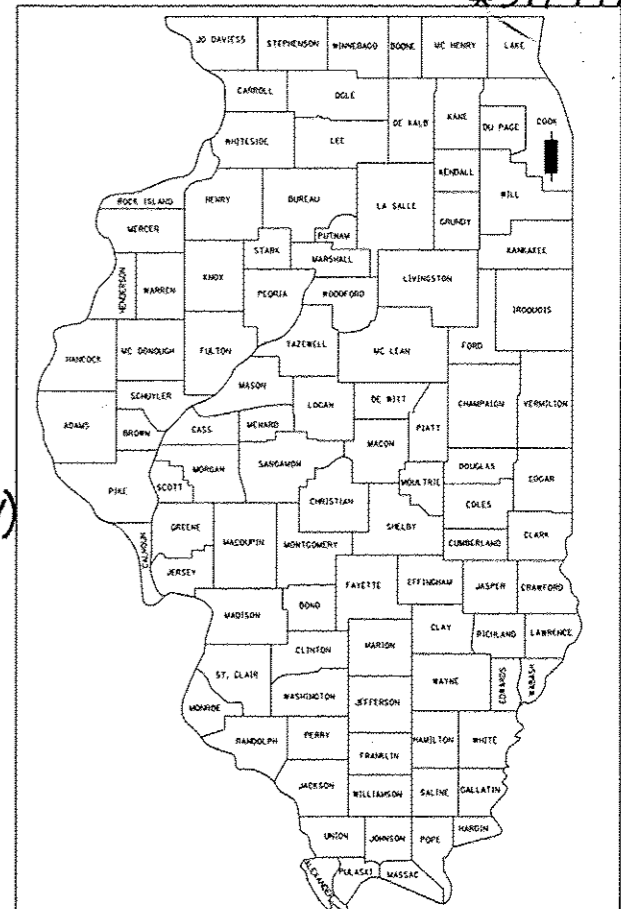
PROJ. TIG - F-0397(004)

C-91-130-11

SECTION (0405-1 & 0506-2) R-1

PROJECT NO.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
57		COOK	577	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.	60M57	
D-91-130-11 (0405-1 & 0506-2) R-1				



LOCATION OF SECTION INDICATED THUS: -

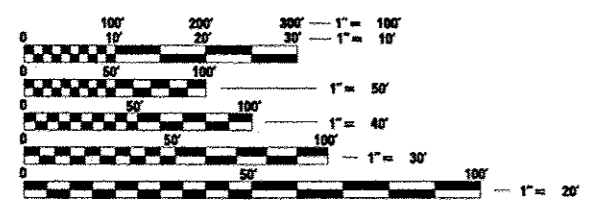
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MAY 2, 2012

Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

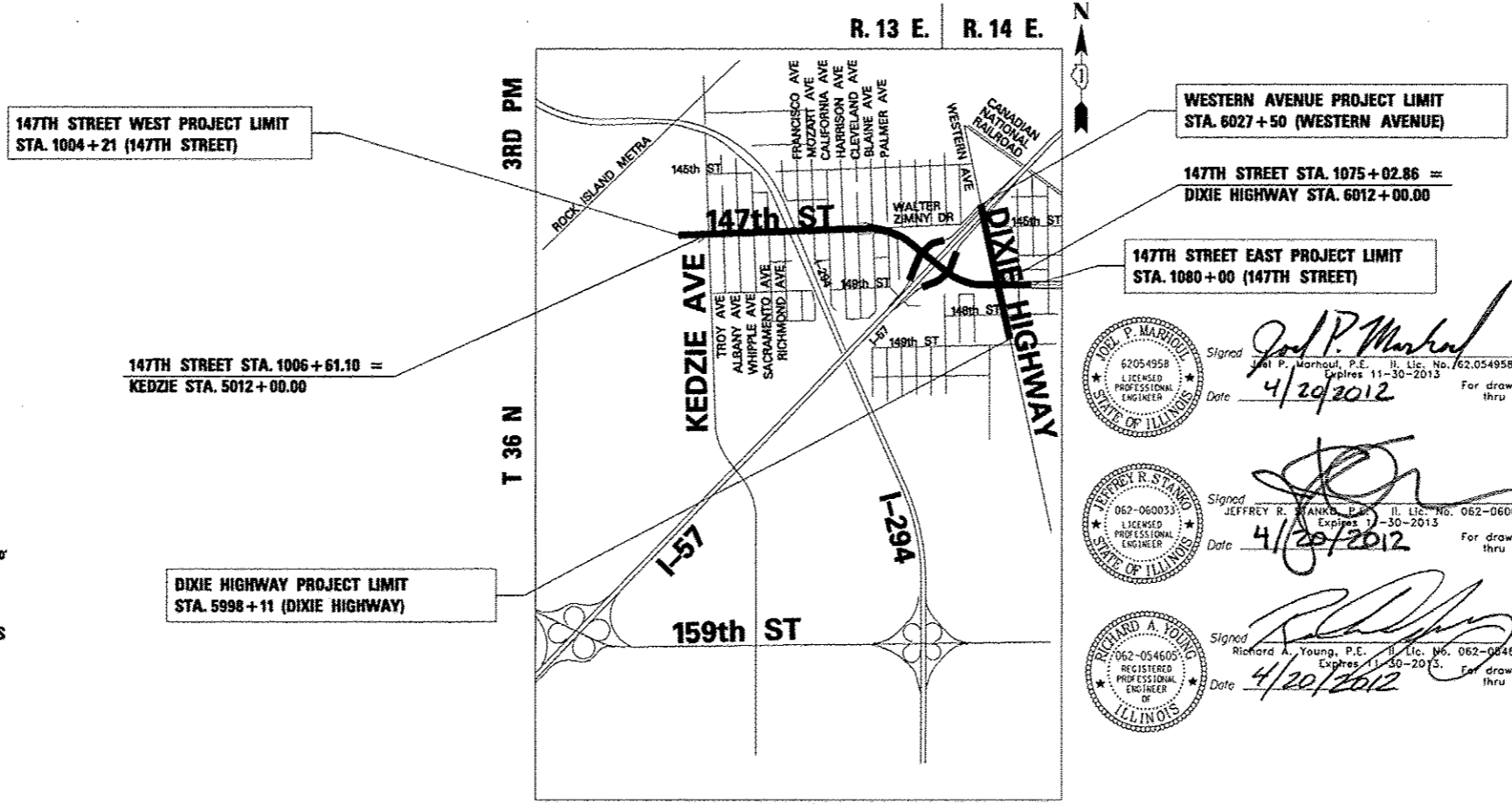
August 17, 2012
John D. Savarelli P.E./a
acting ENGINEER OF DESIGN AND ENVIRONMENT

August 17, 2012
William R. Frey, Jr.
acting DIRECTOR OF HIGHWAYS, CHIEF ENGINEER



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



Signed *John P. Marhouf*
John P. Marhouf, P.E., IL Lic. No. 62054958 Expires 11-30-2013 For drawings thru 4/20/2012

Signed *Jeffrey R. Stanko*
JEFFREY R. STANKO, P.E., IL Lic. No. 062-060033 Expires 11-30-2013 For drawings thru 4/20/2012

Signed *Richard A. Young*
Richard A. Young, P.E., IL Lic. No. 062-084805 Expires 11-30-2013 For drawings thru 4/20/2012

PROJECT MANAGER: HELEN PAZON (847) 705-4523

CONTRACT NO. 60M57

VILLAGE OF POSEN

LOCATION MAP

GROSS LENGTH OF PROJECT = 12,360 FT. = 2.34 MI.
NET LENGTH OF PROJECT = 12,360 FT. = 2.34 MI.

TYLIN INTERNATIONAL
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Rev

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TYLIN INTERNATIONAL

DESIGNED	EMK	REVISED	BES 2/22/2012
DRAWN	EMK	REVISED	
CHECKED	SES	REVISED	
DATE	5/23/2012	REVISED	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT

INDEX OF SHEETS AND INDEX OF STATE STANDARDS

SCALE: NTS SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	10405-1 & 0506-21 R-1	COOK	577	2
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60M57	

ALTERNATE BID NOTES:

- THE PLANS CONTAIN PROVISIONS FOR A BASE BID OF PCC, OPTION 1, AND AN ALTERNATE BID OF HOT-MIX ASPHALT, OPTION 2, 1-57 RAMP'S E, F, J, AND K AT 147TH STREET SHALL BE PCC REGARDLESS OF THE BID OPTION 1 OR OPTION 2 (SEE PLANS). THE CONTRACTOR SHALL NOTE THE FOLLOWING:
- IF THE BASE BID IS AWARDED (OPTION 1 - PCC), THE FOLLOWING SHEETS AND STANDARDS WILL BE DELETED FROM THE PLAN SET: XX - XX (SCHEDULE OF QUANTITIES - HMA, OPTION 2), XX - XX (TYPICAL SECTIONS - HMA, OPTION 2).
- IF THE ALTERNATE BID IS AWARDED (OPTION 2 - HMA), THE FOLLOWING SHEETS AND STANDARDS WILL BE DELETED FROM THE PLAN SET: XX - XX (SCHEDULE OF QUANTITIES - PCC, OPTION 1), XX - XX (TYPICAL SECTIONS - PCC, OPTION 1), XX (BD-52).

GENERAL NOTES:

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2012; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" (MUTCD); THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" (SSCI); THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE CONTRACT DOCUMENTS.
- THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, CABLE, AND GAS FACILITIES (48 HOURS NOTIFICATION IS REQUIRED). CONTACT THE APPLICABLE MUNICIPALITY FOR SEWER AND WATER LOCATIONS.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- NIGHT OPERATIONS: IF CONTRACTOR ELECTS TO UTILIZE ARTIFICIAL LIGHTING IN NIGHT OPERATIONS, HE SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
- ALL STORM SEWER CONNECTIONS WITH PIPES 27 INCHES IN DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 27 INCHES IN DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS (LABOR AND MATERIALS) FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWERS, OF THE TYPE AND SIZE SPECIFIED.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 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 THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINTS MUST BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH DISTRICT 1 DETAIL BD-32 "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARD AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.
- ALL HORIZONTAL COORDINATES AND VERTICAL ELEVATIONS REFER TO NAD83 (GCRS) ILLINOIS EAST ZONE HORIZONTAL DATUM AND NAVD88 VERTICAL DATUM, RESPECTIVELY.
- NOT USED
- STORM SEWER, (WATERMAIN REQUIREMENTS) IS TO BE USED AT LOCATIONS WHERE THE WATER MAIN CROSSES BELOW THE SEWER, REGARDLESS OF VERTICAL SEPARATION OR WHERE THE BOTTOM OF THE WATER MAIN IS LESS THAN 18 INCHES ABOVE THE TOP OF THE SEWER.
- A "BOXED" NOTE INDICATES AN ITEM OF WORK THAT IS NOT PAID FOR SEPARATELY, BUT IS PAID FOR AS PART OF ANOTHER ITEM LISTED IN THE SUMMARY OF QUANTITIES.
- THE REMOVAL OF FIELD CULVERTS SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- TEN (10) FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- NOT USED
- DIMENSIONS: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

18. IN LOCATIONS WHERE EXISTING DRAINAGE STRUCTURES, EXISTING STORM SEWERS AND EXISTING FLARED END SECTIONS ARE IN CONFLICT WITH THE INSTALLATION OF THE PROPOSED DRAINAGE STRUCTURES AND STORM SEWERS, REMOVAL OF THE EXISTING ITEMS SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF DRAINAGE STRUCTURES OR STORM SEWERS, OF THE TYPE AND SIZE SPECIFIED.

19. THE LOCATIONS OF EXISTING DRAINAGE STRUCTURES, STORM AND SANITARY SEWERS, WATER SERVICE LINES AND OTHER UTILITY LINES ARE APPROXIMATE, AND IDOT DOES NOT GUARANTEE THEIR ACCURACY. THEIR EXACT HORIZONTAL AND VERTICAL LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. PRIOR TO CONSTRUCTION AND COORDINATE HIS ACTIVITIES WITH THE ENGINEER.

20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.

21. ANY EXISTING OR PROPOSED STORM SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

22. FOR WATER MAIN SHUT OFFS, THE CONTRACTOR SHALL GIVE THE APPLICABLE MUNICIPALITY A MINIMUM OF 48 HOURS NOTICE. THE OWNING MUNICIPALITY SHALL PROVIDE NOTIFICATION FORMS AND DETERMINE THE LIMIT OF THE AFFECTED AREAS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISTRIBUTION OF THE NOTIFICATION FORMS TO ALL AFFECTED RESIDENTS.

23. THE CONTRACTOR SHALL NOT OPEN OR SHUT ANY WATER VALVES OR FIRE HYDRANTS WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNING MUNICIPALITY. UNAUTHORIZED USE IS SUBJECT TO ARREST AND PROSECUTION.

24. ANY ABANDONED UTILITY OR SEWER ENCOUNTERED DURING CONSTRUCTION OR ANY EXISTING UTILITY OR SEWER ABANDONED AS PART OF THE CONSTRUCTION THAT IS NOT BEING FILLED WITH C.L.S.M., AS PER PLAN, SHALL BE PLUGGED AS DIRECTED BY THE ENGINEER AND ABANDONED IN PLACE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

25. DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

26. THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, AND CATCH BASINS. HE/SHE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE THE SAME. HE/SHE SHALL PROVIDE AND MAINTAIN A PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL BE INCLUDED IN THE COST OF THE CONTRACT.

27. FENCE, EXISTING FENCE THAT HAS TO BE DISCONNECTED AND/OR REMOVED FOR THE CONTRACTOR'S OPERATIONS SHALL BE RECONNECTED AND/OR REPLACED BY THE CONTRACTOR IN KIND AT NO ADDITIONAL COST TO THE DEPARTMENT. TEMPORARY FENCE SHOULD BE INSTALLED IF EXISTING FENCE IS REMOVED BY THE CONTRACTOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. ANY RIGHT-OF-WAY MARKERS DISTURBED BY THE CONTRACTOR'S OPERATION SHALL BE REESTABLISHED BY A REGISTERED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.

28. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY IDOT AND/OR APPLICABLE MUNICIPALITY AT LEAST 10 DAYS IN ADVANCE OF ANY CONSTRUCTION NEAR DEPARTMENT OWNED ELECTRICAL, COMMUNICATIONS, OR TRAFFIC CONTROL CABLES. IDOT AND/OR APPLICABLE MUNICIPALITY ELECTRICIANS WILL LOCATE ANY POSSIBLE INTERFERING CABLES. ANY BURIED CABLE AT OR NEAR A PROPOSED CONSTRUCTION LOCATION SHALL FIRST BE EXPOSED BY THE CONTRACTOR BY HAND DIGGING, ONCE EXPOSED, AND IF THE ENGINEER DETERMINES THERE IS A CONFLICT, THE CONTRACTOR SHALL RELOCATE THE CABLES. IF THE CONTRACTOR CUTS OR DAMAGES ANY CABLES, EITHER THROUGH CARELESSNESS OR FAILURE TO FOLLOW THE ABOVE PROCEDURE, HE/SHE SHALL THEN BE HELD RESPONSIBLE FOR THE REPAIRING OF ALL DAMAGES AT HIS EXPENSE, TO THE SATISFACTION OF THE OWNING AGENCY.

29. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT AND PROVIDE ACCESS TO ADJUTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.

30. NO PAYMENT WILL BE MADE FOR RESTORATION BEYOND THE LIMITS SHOWN ON THE PLANS.

31. THE ENGINEER SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 AND THE MUNICIPALITIES A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

32. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN EXPENSE.

33. TEMPORARY CONCRETE BARRIER: THE BARRIER UNIT AT EACH END OF THE INSTALLATIONS SHALL BE SECURED TO THE PAVEMENT OR SHOULDER USING THREE (3) ANCHORING PINS. THE COST OF SECURING THE BARRIER IS TO BE INCLUDED IN THE COST OF THE CONCRETE BARRIER.

34. ANY EXISTING UTILITY ADJUSTMENT AGREEMENTS AND SCHEDULES FOR THE ADJUSTMENT OF UTILITIES, WHICH MAY AFFECT THE WORK, WILL BE MADE AVAILABLE TO THE BIDDERS UPON REQUEST.

35. THE BITUMINOUS MATERIAL PRIME COAT QUANTITIES HAVE BEEN DETERMINED USING A RATE OF 0.10 GAL/SQ YD.

36. THE CONTRACTOR SHALL USE IDOT GRADATION FA-6 TRENCH BACKFILL FOR FILLING TRENCHES THAT HAVE STORM SEWERS TO BE REMOVED.

37. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING AND PRESERVING THE PROJECT'S SURVEY CONTROL POINTS AND BENCHMARKS. RELOCATING AND REPLACING CONTROL POINTS AND BENCHMARKS SHALL BE THE CONTRACTORS RESPONSIBILITY AT HIS/HER OWN EXPENSE.

38. ALL TRENCHES AND OPENINGS MADE IN THE ROADWAY SHALL BE BACKFILLED AND ADEQUATELY COMPACTED IN ACCORDANCE WITH METHOD 1 SPECIFIED IN ARTICLE 550.07 OF THE STATE STANDARD SPECIFICATIONS. BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

39. EXISTING DRAINAGE STRUCTURES, EXISTING STORM SEWERS AND EXISTING FLARED END SECTIONS TO REMAIN SHALL BE RECONNECTED WITH THE DRAINAGE SYSTEM. THIS WORK SHALL BE INCLUDED IN THE COST OF DRAINAGE STRUCTURES OR STORM SEWERS, OF THE TYPE AND SIZE SPECIFIED.

40. THE 1-57 RAMP SHOULDERS SHALL BE INSPECTED BEFORE THEY WILL BE ALLOWED TO BE USED AS TRAFFIC LANES. IF NEEDED, THEY SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER. AFTER THE SHOULDERS ARE NO LONGER USED AS TRAFFIC LANES, THEY SHALL BE INSPECTED BY THE ENGINEER AND REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.

41. EMERGENCY PAVEMENT AND SHOULDER MAINTENANCE REPAIRS: AFTER THE INITIAL REPAIRS HAVE BEEN APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL MAKE ALL REQUIRED REPAIRS, INCLUDING POTHOLE PATCHING, TEMPORARY TRAFFIC CONTROL AND OTHERS AS DIRECTED BY THE ENGINEER. MAINTENANCE REPAIRS SHALL BE PAID FOR IN ACCORDANCE WITH SECTION 109.4 OF THE STANDARD SPECIFICATIONS FOR EXTRA WORK.

42. ALL VEHICLES INCLUDING PASSENGER CARS, WHETHER OWNED BY THE CONTRACTOR OR ANYONE REPRESENTING HIM/HER, SHALL BE EQUIPPED WITH A YELLOW FLASHING LIGHT MOUNTED EITHER ON TOP OF IN THE REAR WINDOW OF THE VEHICLE AND VISIBLE FOR AT LEAST 500 FEET TO THE REAR OR THE VEHICLE, AND A SIGN MUST BE DISPLAYED ON EACH SIDE OF THE VEHICLE AND WITH LETTERS AT LEAST 3 INCHES IN HEIGHT AND WITH A SUITABLE STROKE, SHOWING THE COMPANY NAME AND ADDRESS. MAGNETIC OR TEMPORARY SIGNS ARE ACCEPTABLE.

43. IF THE PCC ALTERNATE IS CHOSEN, HIGH-EARLY-STRENGTH PCC SHALL BE PLACED AT THE INTERSECTIONS OF 147TH STREET AND DIXIE/WESTERN AND 147TH STREET AND KEDZIE IN ORDER TO ALLOW ALL TRUCK TURN MOVEMENTS THROUGH THE INTERSECTIONS WITHIN TWO WEEKS OF THE RESTRICTIONS BEING PUT IN PLACE.

44. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE ENGINEER SHALL CONTACT PATRICE HARRIS, AREA TRAFFIC FIELD TECHNICIAN AT (708) 597-9800.

45. FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.

46. ADDITIONAL QUANTITIES HAVE BEEN ESTIMATED FOR ADA COMPLIANCE. AN ADDITIONAL 200 SF OF 5" PCC SIDEWALK (PROPOSED AND REMOVAL) AND 100' OF CONCRETE CURB, TYPE B, HAVE BEEN ADDED.

GENERAL NOTES - LANDSCAPE

- AREAS TO BE SEEDED BETWEEN NOVEMBER 1 AND APRIL 1 SHALL REQUIRE DORMANT SEEDING, WHICH SHALL BE INCLUDED IN THE COST OF SEEDING, CLASS 2A OR SEEDING, CLASS 3.

GENERAL NOTES - SEDIMENT AND EROSION CONTROL

- EROSION CONTROL ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES, WHICH WILL POTENTIALLY CREATE ERODIBLE CONDITIONS.
- THE EROSION CONTROL MEASURES SHOWN ARE ONLY A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOB SITE INSPECTION BETWEEN THE CONTRACTOR AND THE ENGINEER.
- THE CONTRACTOR WILL BE REQUIRED TO IMPLEMENT AND MAINTAIN SEDIMENT CONTROL MEASURED PRIOR TO STRIPPING EXISTING VEGETATION.

DEFINITIONS

IDOT: ILLINOIS DEPARTMENT OF TRANSPORTATION

COHD: COOK COUNTY HIGHWAY DEPARTMENT

MUNICIPALITIES:	CONTACT INFORMATION
VILLAGE OF POSEN	(708)385-0139 STAN BARWOCK, VILLAGE ENGINEER
VILLAGE OF MIDLOTHIAN	(708)389-9658 PUBLIC WORKS SUPERINTENDANT
VILLAGE OF DIXMOOR	(708)389-6121 DIRECTOR OF PUBLIC WORKS
CITY OF HARVEY	(708)210-5340 DIRECTOR OF PUBLIC WORKS

TYLIN INTERNATIONAL	USER NAME :	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT		F.A.I. RFE.	SECTION	COUNT	TOTAL SHEETS	SHEET NO.
	PLLOT SCALE :	DRAWN :	REVISED :		SCALE: 1/4" = 1'-0"	SHEET NO. 1 OF 1 SHEETS					
	PLLOT DATE :	CHECKED :	REVISED :								
		DATE	DATE								

URB

8/10
8/10/20

8/10
8/10/20

8/10
8/10/20

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8/10/20

8/10
8/10/20

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART 1	ROADWAY RECONSTRUCTION 0004				LIGHTING 0021					SIGNING 0021		UTILITIES 0043		TRAFFIC SIGNALS 0021				INTER-CONNECT 0021
				XX% FEDERAL XX% STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XX% FEDERAL XX% STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE
				20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	148	198													
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	246	246																	
20200100	EARTH EXCAVATION	CU YD	SEE TABLE I ALTERNATE QUANTITIES																		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	4685	4655			30														
20800150	TRENCH BACKFILL	CU YD	15818	14478												1340					
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SO YD	110890	106123			4767														
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	51127	49574			1553														
21101695	TOPSOIL FURNISH AND PLACE, 30"	SO YD	6411	6411																	
21101815	COMPOST FURNISH AND PLACE, 4"	SO YD	6411	6411																	
21301048	EXPLORATION TRENCH 48" DEPTH	FOOT	320	320																	
25000210	SEEDING, CLASS 2A	ACRE	8	8																	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	893	873			20														
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	893	873			20														
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	893	873			20														
25100115	MULCH, METHOD 2	ACRE	0.25	0.25																	
25100135	MULCH, METHOD 4	ACRE	11.50	11.25			0.25														
25100630	EROSION CONTROL BLANKET	SO YD	37994	37994																	
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SO YD	726	726																	
25200110	SODDING, SALT TOLERANT	SO YD	13867	12314			1553														
25200200	SUPPLEMENTAL WATERING	UNIT	1534	1487			47														
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	5845	5680			165														
28000305	TEMPORARY DITCH CHECKS	FOOT	450	450																	
28000500	INLET AND PIPE PROTECTION	EACH	22	21			1														
28000510	INLET FILTERS	EACH	300	282			18														
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	110890	106123			4767														
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	207	207																	
31200502	STABILIZED SUB-BASE - HOT-MIX ASPHALT, 4 1/2"	SO YD	SEE TABLE I ALTERNATE QUANTITIES																		
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SO YD	466													466					
35501310	HOT-MIX ASPHALT BASE COURSE, 6 1/2"	SO YD	SEE TABLE I ALTERNATE QUANTITIES																		
35501317	HOT-MIX ASPHALT BASE COURSE, 8 1/4"	SO YD	SEE TABLE I ALTERNATE QUANTITIES																		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	SEE TABLE I ALTERNATE QUANTITIES																		
40600300	AGGREGATE (PRIME COAT)	TON	SEE TABLE I ALTERNATE QUANTITIES																		
40600895	CONSTRUCTING TEST STRIP	EACH	SEE TABLE I ALTERNATE QUANTITIES																		
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	SEE TABLE I ALTERNATE QUANTITIES																		
40603148	POLYMERIZED HOT-MIX ASPHALT, BINDER COURSE, STONE MATRIX ASPHALT, N80	TON	SEE TABLE I ALTERNATE QUANTITIES																		
40603153	POLYMERIZED HOT-MIX ASPHALT, SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON	SEE TABLE I ALTERNATE QUANTITIES																		

TYLIN INTERNATIONAL	USER NAME :	DESIGNED :	EMP :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT SUMMARY OF QUANTITIES			F.A.I. RTE. :	SECTION :	COUNTY :	TOTAL SHEETS :	SHEET NO. :
	PLANT SCALE :	CHECKED :	SES :	REVISED :		SCALE :	SHEET NO. 1 OF 11 SHEETS :	STA. :	TO STA. :	XX :	0405-1 & 0506-21 R-1 :	COOR :	577 :
	PLANT DATE :	DATE :	5/23/2012 :	REVISED :									CONTRACT NO. 60M57 :

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART	ROADWAY RECONSTRUCTION 0004				LIGHTING 0021					SIGNING 0021		UTILITIES 0043		TRAFFIC SIGNALS 0021				INTER-CONNECT 0021	
				XXX FEDERAL XXX STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XXX FEDERAL XXX STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XXX FEDERAL XXX STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XXX FEDERAL XXX STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XXX FEDERAL XXX STATE	
40701881	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"	SO YD		SEE TABLE 1 ALTERNATE QUANTITIES																		
42000316	PORTLAND CEMENT CONCRETE PAVEMENT 8 3/4" (JOINTED)	SO YD		SEE TABLE 1 ALTERNATE QUANTITIES																		
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SO YD	3488	3488																		
42000406	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4" (JOINTED)	SO YD		SEE TABLE 1 ALTERNATE QUANTITIES																		
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SO YD		SEE TABLE 1 ALTERNATE QUANTITIES																		
42000521	PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)	SO YD	8661	8661																		
42001100	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 10"	SO YD		SEE TABLE 1 ALTERNATE QUANTITIES																		
42001300	PROTECTIVE COAT	SO YD		SEE TABLE 1 ALTERNATE QUANTITIES																		
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	344	92				252														
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	2031	1882				109									40					
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	104054	96249	375	2243	994									4193						
42400800	DETECTABLE WARNINGS	SO FT	1193	1117			60									16						
44000100	PAVEMENT REMOVAL	SO YD	86160	82460			3700															
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	216	216																		
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	7411	7087			284									40						
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	22042	20801			1241															
44000600	SIDEWALK REMOVAL	SO FT	62600	56117			2290									4193						
44003100	MEDIAN REMOVAL	SO FT	25667	19751			5916															
44004250	PAVED SHOULDER REMOVAL	SO YD	2400	2400																		
44201821	CLASS D PATCHES, TYPE IV, 14"	SO YD	1030	1030																		
48101202	AGGREGATE SHOULDERS, TYPE B	CU YD	510	510																		
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SO YD	453	453																		
48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SO YD	1739	1739																		
48300500	PORTLAND CEMENT CONCRETE SHOULDERS 10"	SO YD	25	25																		
48300600	PORTLAND CEMENT CONCRETE SHOULDERS 11"	SO YD	1834	1834																		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1																		
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1	1																		
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	1	1																		
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	1	1																		
550A0050	STORM SEWERS, CLASS A, TYPE I 12"	FOOT	4145	4145																		
550A0070	STORM SEWERS, CLASS A, TYPE I 15"	FOOT	928	928																		
550A0090	STORM SEWERS, CLASS A, TYPE I 18"	FOOT	272	272																		
550A0110	STORM SEWERS, CLASS A, TYPE I 21"	FOOT	225	225																		
550A0120	STORM SEWERS, CLASS A, TYPE I 24"	FOOT	1152	1152																		
550A0140	STORM SEWERS, CLASS A, TYPE I 30"	FOOT	425	425																		
550A0160	STORM SEWERS, CLASS A, TYPE I 36"	FOOT	3744	3744																		

TYLIN INTERNATIONAL

USER NAME: DESIGNED - EMK
 DRAWN - EMK
 CHECKED - SES
 DATE: 5/23/2012

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
 SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 2 OF 11 SHEETS STA. TO STA.

F.A.I. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 XX 10405-1 & 0506-21 R-1 COOK 577 5
 CONTRACT NO. 60M57
 ILLINOIS FED. AID PROJECT

Rev.

17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
 5/23/2012 5:24 PM

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART 1	ROADWAY RECONSTRUCTION				LIGHTING					SIGNING		UTILITIES		TRAFFIC SIGNALS				INTER-CONNECT
				0004				0021					0021		0043		0021				0021
				XX% FEDERAL XX% STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XX% FEDERAL XX% STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE
550A0190	STORM SEWERS, CLASS A, TYPE I 48"	FOOT	700	700																	
550A0200	STORM SEWERS, CLASS A, TYPE I 54"	FOOT	2753	2753																	
55100200	STORM SEWER REMOVAL 6"	FOOT	59	59																	
55100300	STORM SEWER REMOVAL 8"	FOOT	48	48																	
55100400	STORM SEWER REMOVAL 10"	FOOT	43	43																	
55100500	STORM SEWER REMOVAL 12"	FOOT	2386	2386																	
55100700	STORM SEWER REMOVAL 15"	FOOT	644	644																	
55100900	STORM SEWER REMOVAL 18"	FOOT	116	116																	
55101200	STORM SEWER REMOVAL 24"	FOOT	10	10																	
55101400	STORM SEWER REMOVAL 30"	FOOT	231	231																	
55101600	STORM SEWER REMOVAL 36"	FOOT	106	106																	
55201300	STORM SEWERS JACKED IN PLACE, 36"	FOOT	165	165																	
56106200	ADJUSTING WATER MAIN 4"	FOOT	180	180																	
56106300	ADJUSTING WATER MAIN 6"	FOOT	160	160																	
56106400	ADJUSTING WATER MAIN 8"	FOOT	200	200																	
56400500	FIRE HYDRANTS TO BE REMOVED	EACH	7											6	1						
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	565	565																	
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	6	6																	
60107600	PIPE UNDERDRAINS 4"	FOOT	2701	2701																	
60107700	PIPE UNDERDRAINS 6"	FOOT	191	191																	
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE I FRAME, OPEN LID	EACH	1	1																	
60201105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE II FRAME AND GRATE	EACH	25	25																	
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	121	121																	
60203805	CATCH BASINS, TYPE A, 5'-DIAMETER, TYPE I FRAME, OPEN LID	EACH	1	1																	
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	8	8																	
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	3	3																	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	53	53																	
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	6	6																	
60222240	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	7	7																	
60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	29	29																	
60224459	MANHOLES, TYPE A, 8'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	4	4																	
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	8	8																	
60236800	INLETS, TYPE A, TYPE II FRAME AND GRATE	EACH	17	17																	
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	68	68																	
60248700	VALVE VAULTS, TYPE A, 4'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	4																		
60248900	VALVE VAULTS, TYPE A, 5'-DIAMETER, TYPE I FRAME, CLOSED LID	EACH	4																		

TYLIN INTERNATIONAL

DESIGNED - ENR	REVISED -
DRAWN - ENR	REVISED -
CHECKED - SES	REVISED -
DATE - 5/23/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 3 OF 11 SHEETS STA. TO STA.

F.A.I. RITE	SECTION	COUNT	TOTAL SHEETS	SHEET NO.
XX	10405-1 & 0506-21 R-1	BOOK	577	6
CONTRACT NO. 60M57				

5/23/2017 10:52:53 AM

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART 1	ROADWAY RECONSTRUCTION 0004				LIGHTING 0021				SIGNING 0021		UTILITIES 0043		TRAFFIC SIGNALS 0021				INTER-CONNECT 0021	
				XX% FEDERAL XX% STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XX% FEDERAL XX% STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE
				60251200	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 8 GRATE	EACH	3	2			1										
60251500	CATCH BASINS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	4	4																	
60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	39	30			9														
60261300	INLETS TO BE ADJUSTED WITH NEW TYPE 11 FRAME AND GRATE	EACH	2	2																	
60261540	INLETS TO BE ADJUSTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	10	2			8														
60264140	INLETS TO BE RECONSTRUCTED WITH NEW TYPE 24 FRAME AND GRATE	EACH	1	1																	
60265900	VALVE VAULTS TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	4	4																	
60500040	REMOVING MANHOLES	EACH	37	37																	
60500050	REMOVING CATCH BASINS	EACH	78	78																	
60500060	REMOVING INLETS	EACH	41	41																	
60600605	CONCRETE CURB, TYPE B	FOOT	2338	2237			101														
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	2649	2649																	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	23287	22045			1242														
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	153	153																	
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	177	177																	
60610900	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24 (VARIABLE WIDTH GUTTER FLAG)	FOOT	78	78																	
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	8351	8351																	
60618800	CONCRETE MEDIAN, TYPE SB	SQ FT	7515	7515																	
60619200	CONCRETE MEDIAN, TYPE SB-6.06	SQ FT	1689	1689																	
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	3030	3030																	
6060501	CORRUGATED MEDIAN (SPECIAL)	SQ FT	6220	3002			3218														
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1125	1125																	
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2																	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1	1																	
63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	1	1																	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3																	
63200310	GUARDRAIL REMOVAL	FOOT	1013	1013																	
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	4218	4218																	
66400305	CHAIN LINK FENCE, 6'	FOOT	594	594																	
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	10600	10600																	
66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GALLON	9600	9600																	
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1																	
66900530	SOIL DISPOSAL ANALYSIS	EACH	8	8																	
66901000	BACKFILL PLUGS	CU YD	70	70																	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	28	28																	
67100100	MOBILIZATION	L SUM	1	1																	

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART 1	ROADWAY RECONSTRUCTION				LIGHTING					SIGNING		UTILITIES		TRAFFIC SIGNALS				INTER-CONNECT
				0004				0021					0021		0043		0021				0021
				XX% FEDERAL STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XX% FEDERAL STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XX% FEDERAL STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XX% FEDERAL STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XX% FEDERAL STATE
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL. DA	577	577																	
70106800	CHANGEABLE MESSAGE SIGN	CAL. MO	96	96																	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6113	6113																	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	50 FT	113609	113609																	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	2050	2050																	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	4063	4063																	
72000100	SIGN PANEL - TYPE 1	50 FT	1431										1285	40				106			
72000200	SIGN PANEL - TYPE 2	50 FT	49										49								
72000300	SIGN PANEL - TYPE 3	50 FT	38										38								
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	20										18	2							
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	11										11								
72400310	REMOVE SIGN PANEL - TYPE 1	50 FT	848										811	4				31		2	
72400320	REMOVE SIGN PANEL - TYPE 2	50 FT	277										45					224		8	
72400330	REMOVE SIGN PANEL - TYPE 3	50 FT	38										38								
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	50 FT	23										23								
72400710	RELOCATE SIGN PANEL - TYPE 1	50 FT	75										42					31		2	
72400720	RELOCATE SIGN PANEL - TYPE 2	50 FT	267										35					224		8	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	1787										1712	75							
73000100	WOOD SIGN SUPPORT	FOOT	34										34								
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	33										33								
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	50 FT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78008200	POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS AND SYMBOLS	50 FT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78008210	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78008230	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78008240	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78008250	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78008270	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24"	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																	
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1205	1173				32													
78200100	MONODIRECTIONAL PRISMATIC BARRIER REFLECTOR	EACH	164	164																	
78200410	GUARDRAIL MARKERS, TYPE A	50 YD	26	26																	
78201000	TERMINAL MARKERS - DIRECT APPLIED	EACH	3	3																	

TYLIN INTERNATIONAL

USER NAME -	DESIGNED - EMK	REVISIONS -
DRAWN - EMK	CHECKED - SCS	REVISED -
PLOT SCALE -	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
SUMMARY OF QUANTITIES**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	40405-1 & 4508-20 R-1	COOK	577	8
CONTRACT NO. 60M57				

147TH STREET PROJECT - SUMMARY OF QUANTITIES - SHEET 8 OF 8

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART	ROADWAY RECONSTRUCTION				LIGHTING					SIGNING		UTILITIES		TRAFFIC SIGNALS				INTER-CONNECT	
				0004				0021					0021		0043		0021				0021	
				XX% FEDERAL XX% STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XX% FEDERAL XX% STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE	
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	11059															8125	355	2105	474	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	17804															17475		329		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	5430															5299		131		
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	31522	110														30872		640		
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	1312															1278		34		
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	7883															7753		130		
87302212	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 2C	FOOT	854															854				
87302225	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 3C	FOOT	953															826		127		
87302245	ELECTRIC CABLE AERIAL SUSPENDED, SIGNAL, NO. 14 5C	FOOT	1254															1254				
87302505	ELECTRIC CABLE AERIAL SUSPENDED, SERVICE, NO. 6 2 C	FOOT	146															146				
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	4															4				
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	6															6				
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4															4.0				
87700130	STEEL MAST ARM ASSEMBLY AND POLE, 18 FT.	EACH	1															1.0				
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	1															0.9		0.1		
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2															1.9		0.1		
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1															0.9		0.1		
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	2															2.0				
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	2															1.9		0.1		
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1															1.0				
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1															1				
87700330	STEEL MAST ARM ASSEMBLY AND POLE, 56 FT.	EACH	1															1				
87700340	STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1															1				
87700424	STEEL MAST ARM ASSEMBLY AND POLE, 72 FT.	EACH	1															1				
87702435	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 28 FT. AND 62 FT.	EACH	1															1				
87702718	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 46 FT. AND 30 FT.	EACH	1															1.0				
87800100	CONCRETE FOUNDATION, TYPE A	EACH	50															59.6		0.4		
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	12															12				
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	64															58		6		
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	145															141		4		
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	141															141				
87900200	DRILL EXISTING HANDHOLE	EACH	31															27		2		2
88030020	SIGNAL HEAD, LED, 1-FACE, 3 SECTION, MAST-ARM MOUNTED	EACH	42															42.0				
88030050	SIGNAL HEAD, LED, 1-FACE, 3 SECTION, BRACKET MOUNTED	EACH	16															16				
88030100	SIGNAL HEAD, LED, 1-FACE, 5 SECTION, BRACKET MOUNTED	EACH	6															6.0				
88030110	SIGNAL HEAD, LED, 1-FACE, 5 SECTION, MAST-ARM MOUNTED	EACH	7															7.0				

TYLIN INTERNATIONAL	USER NAME	DESIGNED - EMK	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT SUMMARY OF QUANTITIES		F.A.I. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILED SCALE	DRAWN - EMK	REVISED		SCALE: NTS	SHEET NO. 7 OF 11 SHEETS	STA. TO STA.	XX	0405-1 & 0506-2) R-1	COOK	577
	PLT DATE	CHECKED - SES	REVISED								CONTRACT NO. 60M57
		DATE - 5/23/2012	REVISED								PLT ROAD DIST. NO. ILLINOIS FED. AID PROJECT

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CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART 1	ROADWAY RECONSTRUCTION 0004				LIGHTING 0021					SIGNING 0021		UTILITIES 0043		TRAFFIC SIGNALS 0021				INTER-CONNECT 0021			
				XXZ FEDERAL XXZ STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XXZ FEDERAL XXZ STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XXZ FEDERAL XXZ STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XXZ FEDERAL XXZ STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XXZ FEDERAL XXZ STATE			
				88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8																8	
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10																10.0					
88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	67																67					
88500100	INDUCTIVE LOOP DETECTOR	EACH	85																83.4					1.6
88600100	DETECTOR LOOP, TYPE I	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																				
88600700	PREFORMED DETECTOR LOOP	FOOT		SEE TABLE 1 ALTERNATE QUANTITIES																				
88700200	LIGHT DETECTOR	EACH	8																					8
88700300	LIGHT DETECTOR AMPLIFIER	EACH	3																					3
88800100	PEDESTRIAN PUSH-BUTTON	EACH	54																					52.4
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	6																					1.6
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	30																					5.8
89500200	RELOCATE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	21																					27.6
89501100	RELOCATE EXISTING TRAFFIC SIGNAL CONTROLLER	EACH	3																					19.4
89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1																					3.0
89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	3																					0.9
89501300	RELOCATE EXISTING MAST ARM ASSEMBLY AND POLE	EACH	3																					3.0
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	7																					2.7
89502380	REMOVE EXISTING HANDHOLE	EACH	50																					6.8
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	7																					47.9
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	43																					7.0
A2000316	TREE, ACER MIYABE MORTON (STATE STREET MIYABEI MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5																				42.2
A2002008	TREE, AESCULUS FLAVEA (YELLOW SWEET BUCKEYE), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3																				
A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	12	12																				
A2004716	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2" CALIPER, BALLED AND BURLAPPED	EACH	10	10																				
A2005015	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 8' HEIGHT, MULTI-STEM FORM, BALLED AND BURLAPPED	EACH	41	41																				
A2005020	TREE, GYMNOCLADUS DIOICUS (KENTUCKY COFFEETREE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	11	11																				
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	18	18																				
A2006616	TREE, QUERCUS IMBRICARIA (SHINGLE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3																				
A2006716	TREE, QUERCUS MACROCARPA (BUR OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3																				
A2008468	TREE, ULMUS AMERICANA PRINCETON (PRINCETON AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	6	6																				
A2012000	TREE, AESCULUS ARNOLDIANA (AUTUMN SPLENDOR HORSECHESTNUT), 2" CALIPER, BALLED AND BURLAPPED	EACH	9	9																				
B2001666	TREE, CRATAEGUS CRUSGALLI INERMIS (THORNLESS COCKSPUR HAWTHORN), 6' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	24	24																				
B2003316	TREE, MALUS DONALD WYMAN (DONALD WYMAN CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	11	11																				
B2003516	TREE, MALUS HARVEST GOLD (HARVEST GOLD CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3	3																				
B2005366	TREE, MALUS ZUMI CALOCARPA (REDBUD ZUMI CRABAPPLE), 6' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	31	31																				
B2006116	TREE, SYRINGA PEKINENSIS MORTON (CHINA SNOW PEKING LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	17	17																				

TYLIN INTERNATIONAL

USER NAME	DESIGNED - EMK	REVISED -
PLOT SCALE	DRAWN - EMK	REVISED -
PLOT DATE	CHECKED - SES	REVISED -
	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
SUMMARY OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	11
SCALE: NTS		SHEET NO. 8 OF 11 SHEETS		STA. TO STA.
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

Rev.

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CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART 1	ROADWAY RECONSTRUCTION 0004				LIGHTING 0021					SIGNING 0021		UTILITIES 0043		TRAFFIC SIGNALS 0021				INTER-CONNECT 0021
				XX% FEDERAL XX% STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XX% FEDERAL XX% STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE
				B2006316	TREE, SYRINGA RETICULATA IVORY SILK (IVORY SILK JAPANESE TREE LILAC), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	12	12													
B2010070	TREE, CLADRASTIS KENTUCKEA (AMERICAN YELLOWWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4																	
C2C00324	SHRUB, ARONIA MELANOCARPA IROQUOIS BEAUTY (IROQUOIS BEAUTY BLACK CHOKEBERRY), 2' HEIGHT, CONTAINER	EACH	430	430																	
C2C05818	SHRUB, RHUS AROMATICA GRO-LOW (GRO-LOW FRAGRANT SUMAC), 18" WIDTH, CONTAINER	EACH	788	788																	
G2010930	SHRUB, SYRINGA MEYERI PALIBIN (DWARF KOREAN LILAC), 2-1/2' HEIGHT, BALLED AND BURLAPPED	EACH	124	124																	
D2002484	EVERGREEN, PINUS FLEXILIS VANDERWOLF'S PYRAMID (VANDERWOLF'S PYRAMID LIMBER PINE), 7' HEIGHT, BALLED AND BURLAPPED	EACH	64	64																	
K0012970	PERENNIAL PLANTS, BULB TYPE	UNIT	558	558																	
K0012990	PERENNIAL PLANTS, ORNAMENTAL TYPE, GALLON POT	UNIT	162.5	162.5																	
K0029634	WEED CONTROL, PRE-EMERGENT GRANULAR HERBICIDE.	POUND	100	100																	
X0322433	LIGHT TOWER, SERVICE PAD	EACH	8							8											
X0322434	LIGHT TOWER, SERVICE PAD, SPECIAL	EACH	2							2											
X0322727	POLYETHYLENE DUCT 1 1/4"	FOOT	27	27																	
X0322916	PROPOSED STORM SEWER CONNECTION TO EXISTING STORM SEWER	EACH	2	2																	
X0323713	RADIO INTERCONNECT SYSTEM COMPLETE, LOCAL	EACH	1															1			
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	2934																355	2105	474
X0324097	COARSE SAND PLACEMENT, 2"	SO YD	6411	6411																	
56200500	WATER SERVICE LINE 1 1/2"	FOOT	100																		100
56500800	DOMESTIC WATER SERVICE BOXES	EACH	2																		2
X0325132	SHAPING AND GRADING AT HIGH MAST LIGHT TOWER	SO YD	224							224											
X0326133	TEMPORARY WOOD POLE, 45 FEET, CLASS 5	EACH	4																4		
X0326885	VIDEO DETECTION SYSTEM	EACH	1																1		
X0327076	SERVICE STATION EQUIPMENT REMOVAL	L SUM	1	1																	
X2020502	BRACED EXCAVATION	CU YD	126	126																	
X2800510	INLET FILTER CLEANING	EACH	1500	1410				90													
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	12	12																	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	43	43																	
X4023000	TEMPORARY ACCESS (ROAD)	EACH	20	20																	
X4024100	TEMPORARY ACCESS (WINTERIZE)	SO YD	8637	8637																	
X4063500	PRELIMINARY TEST STRIP	EACH	SEE TABLE 1 ALTERNATE QUANTITIES																		
X4400110	TEMPORARY PAVEMENT REMOVAL	SO YD	22847	20914				1933													
X4403800	MEDIAN SURFACE REMOVAL	SO FT	14370	14370																	
X6640210	TEMPORARY CHAIN LINK FENCE (PORTABLE)	FOOT	390	390																	
X6640300	CHAIN LINK FENCE REMOVAL	FOOT	2320	2320																	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1																	
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1																	
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	4384	4384																	

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART 1	ROADWAY RECONSTRUCTION 0004				LIGHTING 0021					SIGNING 0021		UTILITIES 0043		TRAFFIC SIGNALS 0021				INTER-CONNECT 0021
				XXZ FEDERAL XXZ STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XXZ FEDERAL XXZ STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XXZ FEDERAL XXZ STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XXZ FEDERAL XXZ STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XXZ FEDERAL XXZ STATE
				70300520	PAVEMENT MARKING TAPE, TYPE III, 4 INCH	FOOT	251803	251803													
70300540	PAVEMENT MARKING TAPE, TYPE III, 6 INCH	FOOT	20141	20141																	
70300550	PAVEMENT MARKING TAPE, TYPE III, 8 INCH	FOOT	2980	2980																	
70300560	PAVEMENT MARKING TAPE, TYPE III, 12 INCH	FOOT	2566	2566																	
70300570	PAVEMENT MARKING TAPE, TYPE III, 24 INCH	FOOT	5333	5333																	
X8250060	TEMPORARY LIGHTING CONTROLLER	EACH	1					0.57	0.10			0.33									
X8250505	LIGHTING CONTROLLER, SPECIAL	EACH	1					0.57	0.08			0.35									
X8350012	LIGHT TOWER, 100 FT. MOUNTING HEIGHT, LUMINAIRE MT. - 12	EACH	10					10													
X8360215	LIGHTPOLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	45					27				18									
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1															1			
X8730255	ELECTRIC CABLE AERIAL SUSPENDED NO. 20 3/C, TWISTED, SHIELDED	FOOT	127																	127	
X8730312	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 18 4/C, TWISTED, SHIELDED	FOOT	619	619																	
X8800025	SIGNAL HEAD .LED, 1#FACE, 3#SECTION, SPAN WIRE MOUNTED	EACH	12															12			
X8850102	INDUCTION LOOP	FOOT	100	100																	
X8900015	TEMPORARY TRAFFIC SIGNAL INTERCONNECTION SYSTEM	L SUM	1																		1
X8950090	RELOCATE EXISTING LIGHTING CONTROLLER	EACH	2					1		1											
X8950205	REBUILD EXISTING HANDHOLE, SPECIAL	EACH	1	1																	
XX000679	OUT AND CAP EXISTING WATER MAIN	EACH	22																		
89501420	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, COMPLETE	EACH	7															2	3	2	
XX003037	DUCTILE IRON FITTINGS AND ACCESSORIES	POUND	11700											11700							
XX003435	PGC DRIVEWAY REMOVAL AND REPLACEMENT	50 YD	40											40							
56400825	FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE	EACH	8											7	1						
XX006500	SANITARY SEWER SERVICE REMOVAL AND REPLACEMENT	FOOT	42											42							
X5611112	DUCTILE IRON WATER MAIN, CLASS 52, WITH POLYETHYLENE ENCASEMENT, 12"	FOOT	3251											3251							
X5611108	DUCTILE IRON WATER MAIN, CLASS 52, WITH POLYETHYLENE ENCASEMENT, 8"	FOOT	892											892							
XX008154	RELOCATE EXISTING RADIO INTERCONNECT SYSTEM	EACH	2																		2
XX008156	LINE STOP 10"	EACH	1											1							
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1																	
Z0016702	DETOUR SIGNING	L SUM	1	1																	
Z0023204	SEDIMENT CONTROL, SILT FENCE	FOOT	15554	15171																	383
Z0023206	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	77770	75855																	1915
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2																	
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	3	3																	
Z0030340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	4	4																	
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2																	
Z0030850	TEMPORARY INFORMATION SIGNING	50 FT	781	781																	

TYLIN INTERNATIONAL

DESIGNED - EMK	REVISED -
DRAWN - EMK	REVISED -
CHECKED - SES	REVISED -
DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
SUMMARY OF QUANTITIES

SCALE: NTS SHEET NO. 10 OF 11 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	13
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 60M57	

Rev.

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CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL PART	ROADWAY RECONSTRUCTION				LIGHTING					SIGNING		UTILITIES		TRAFFIC SIGNALS				INTER-CONNECT
				0004				0021					0021		0043		0021				0021
				XX% FEDERAL XX% STATE	100% DIXMOOR	100% HARVEY	100% COOK COUNTY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% DIXMOOR	100% HARVEY	100% POSEN	XX% FEDERAL XX% STATE	100% COOK COUNTY	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE	100% MIDLOTHIAN	100% POSEN	100% HARVEY	XX% FEDERAL XX% STATE
Z0033020	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	94					70	4		3	17									
Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	25					20.8	1.0			3.2									
Z0033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	7																		7
30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	3410	3410																	
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	1864	1864																	
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	198	198																	
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	286	286																	
Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	612	612																	
Z0062456	TEMPORARY PAVEMENT	SQ YD	22847	20914			1933														
Z0067900	STEEL CASINGS 24"	FOOT	101											101							
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	7														6.8		0.2		
X0327483	12"x12" TAPPING SLEEVE AND VALVE IN 60" DIA. VALVE VAULT, TYPE 1 FRAME, CLOSED LID	EACH	1											1							
X0327481	6"x6" TAPPING SLEEVE AND VALVE IN 60" DIA. VALVE VAULT, TYPE 1 FRAME, CLOSED LID	EACH	13											13							
X0327482	8"x8" TAPPING SLEEVE AND VALVE IN 60" DIA. VALVE VAULT, TYPE 1 FRAME, CLOSED LID	EACH	1											1							
X5611106	DUCTILE IRON WATER MAIN, 6", CLASS 52, WITH POLYETHYLENE ENCASUREMENT	FOOT	36											36							
X0327484	MANHOLES, TYPE A, 8'- DIAMETER, 2 - TYPE 1 FRAMES, CLOSED LIDS (SPECIAL)	EACH	6	6																	
87702719	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 46 FT. AND 34 FT.	EACH	1.0															1.0			
87702795	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 65 FT. AND 40 FT.	EACH	1															1			
87702805	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 66 FT. AND 42 FT.	EACH	1															1			
81603156	UNIT DUCT, 600V, 5-1C NO. 2, 1/C NO.4 GROUND, (XLP-TYPE USE), 2" DIA. POLYETHYLENE	FOOT	660							660											
X0327486	TEMPORARY WOOD POLE, 60 FOOT, CLASS 4 (INSTALL ONLY)	EACH	86					63	5		3	15									
X0327485	MAST ARM, STREET LIGHTING 15 FT	EACH	96					76	4		3	13									
82002400	TREE, MAGNOLIA ACUMINATA BUTTERFLIES (BUTTERFLIES CUCUMBER MAGNOLIA), 5' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	1	1																	
X0327420	SANITARY SEWER, DUCTILE IRON, 8"	FOOT	42											42							
X0839900	SANITARY SEWER REMOVAL 8"	FOOT	42											42							
X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	12											12							
X5630008	CUT AND CAP EXISTING 8" WATER MAIN	EACH	1											1							
X5630010	CUT AND CAP EXISTING 10" WATER MAIN	EACH	1											1							

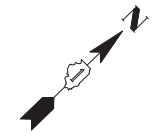
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TABLE 1 - ALTERNATE QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL ALT A (PCC)	TOTAL ALT B (HMA)	ROADWAY RECONSTRUCTION				TRAFFIC SIGNALS	
					0004				0021	
					XX% FEDERAL XX% STATE		100% COOK COUNTY		XX% FEDERAL XX% STATE	
ALT A	ALT B	ALT A	ALT B	ALT A	ALT B	ALT A	ALT B			
20200100	EARTH EXCAVATION	CU YD	54505	51905	53840	51240	665	665		
31200502	STABILIZED SUB-BASE - HOT-MIX ASPHALT, 4 1/2"	50 YD	85627	13751	85627	13751				
35501310	HOT-MIX ASPHALT BASE COURSE, 6 1/2"	50 YD		46686		46686				
35501317	HOT-MIX ASPHALT BASE COURSE, 8 1/4"	50 YD		22509		22509				
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON		47		47				
40600300	AGGREGATE (PRIME COAT)	TON		66		66				
40600895	CONSTRUCTING TEST STRIP	EACH		3		3				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	50 YD	39	603	39	603				
40603148	POLYMERIZED HOT-MIX ASPHALT, BINDER COURSE, STONE MATRIX ASPHALT, N80	TON		7750		7750				
40603153	POLYMERIZED HOT-MIX ASPHALT, SURFACE COURSE, STONE MATRIX ASPHALT, N80	TON		7750		7750				
40701881	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 10"	50 YD		7173		7173				
42000316	PORTLAND CEMENT CONCRETE PAVEMENT 8 3/4" (JOINTED)	50 YD	7173		7173					
42000406	PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4" (JOINTED)	50 YD	45460		45460					
42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	50 YD	25253	3992	21261		3992	3992		
42001100	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 10"	50 YD	2475		2475					
42001300	PROTECTIVE COAT	50 YD	71968	39673	66721	34426	5247	5247		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	50 FT		2221		2221				
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5271	36600	5271	36600				
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	342	10989	342	10989				
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT		1097		1097				
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	452	3703	452	3703				
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT		1202		1202				
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	50 FT	2934	714	2876	656	58	58		
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	42168	11105	38949	7886	3219	3219		
78008230	POLYUREA PAVEMENT MARKING TYPE I - LINE 6"	FOOT	14086	3439	13752	3105	334	334		
78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	1097		1097					
78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	3387	135	3319	67	68	68		
78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	1533	331	1518	316	15	15		
88600100	DETECTOR LOOP, TYPE I	FOOT		3781						3781
88600700	PREFORMED DETECTOR LOOP	FOOT	4567	786					4567	786
X4063500	PRELIMINARY TEST STRIP	EACH		2		2				

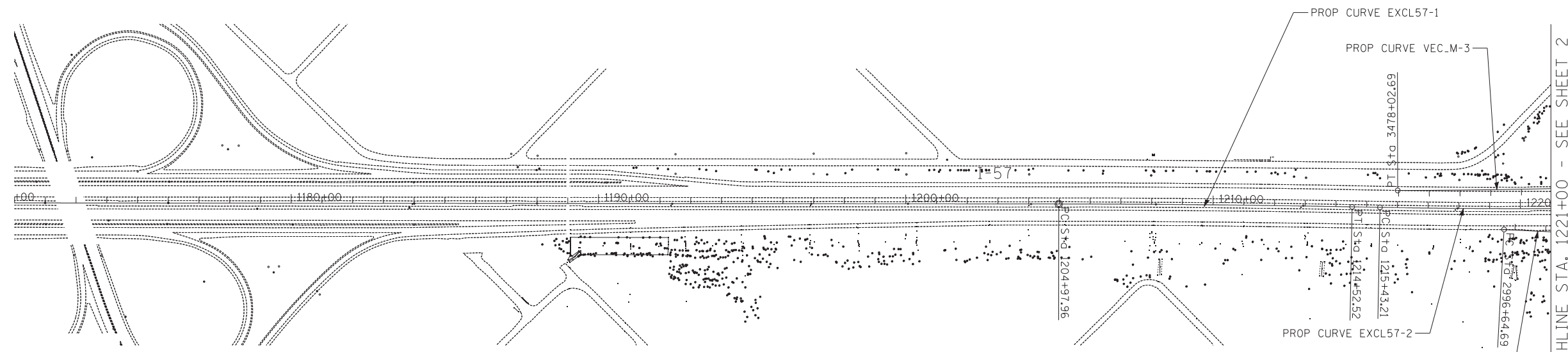
TYLIN INTERNATIONAL USER NAME: _____ PLOT SCALE: _____ PLOT DATE: _____	DESIGNED - EMR DRAWN - EMR CHECKED - SES DATE - 5/23/2012	REVISED - _____ REVISED - _____ REVISED - _____ REVISED - _____	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT SUMMARY OF QUANTITIES (TABLE 1-ALTERNATE QUANTITIES)		P.A.D. RTE. _____ SECTION _____ COUNTY _____ COOK	TOTAL SHEETS _____ SHEET NO. _____ 577	SHEET NO. _____ OF _____ SHEETS 15	CONTRACT NO. _____ 60M57
	STATE: ILL. SHEET NO. 11 OF 11 SHEETS STA. _____ TO STA. _____ FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT _____								

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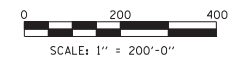
I-57 DATA				
PROP. CURVE EXCL57-1 PI STA. = 1209+75.25 N = 1,800,704.01 E = 1,157,539.88 Δ = 0° 59' 40" (RT) D = 0° 06' 15" R = 55,000.00' T = 477.29' L = 954.55' E = 2.07' DESIGN SPEED = 60 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 1204+97.96 N = 1,800,360.98 E = 1,157,208.01 P.T. STA. = 1214+52.52 N = 1,801,041.22 E = 1,157,877.66	PROP. CURVE EXCL57-2 PI STA. = 1220+09.03 N = 1,801,434.41 E = 1,158,271.50 Δ = 2° 11' 15" (LT) D = 0° 14' 05" R = 24,400.00' T = 465.82' L = 931.53' E = 4.45' DESIGN SPEED = 60 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 1215+43.21 N = 1,801,105.30 E = 1,157,941.84 P.T. STA. = 1224+74.74 N = 1,801,775.86 E = 1,158,588.36	PROP. CURVE EXCL57-3 PI STA. = 1231+16.87 N = 1,802,246.55 E = 1,159,025.14 Δ = 1° 08' 02" (RT) D = 0° 08' 00" R = 43,000.00' T = 425.52' L = 851.01' E = 2.11' DESIGN SPEED = 60 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 1226+91.34 N = 1,801,934.64 E = 1,158,735.69 P.T. STA. = 1235+42.36 N = 1,802,552.67 E = 1,159,320.70	PROP. CURVE EXCL57-4 PI STA. = 1321+27.50 N = 1,808,728.92 E = 1,165,283.80 Δ = 4° 56' 28" (RT) D = 0° 19' 42" R = 17,450.00' T = 752.92' L = 1,504.90' E = 16.24' DESIGN SPEED = 60 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 1313+74.58 N = 1,808,187.26 E = 1,164,760.84 P.T. STA. = 1328+79.48 N = 1,809,223.52 E = 1,165,851.48	PROP. CURVE EXCL57-5 PI STA. = 1348+01.65 N = 1,810,486.21 E = 1,167,300.74 Δ = 14° 00' 00" (LT) D = 2° 00' 00" R = 2,864.79' T = 351.75' L = 700.00' E = 21.51' DESIGN SPEED = 60 MPH e = 4.5% T.R. = 106.6' S.E. RUN = 239.8' P.C. STA. = 1344+49.90 N = 1,810,255.14 E = 1,167,035.53 P.T. STA. = 1351+49.90 N = 1,810,774.58 E = 1,167,502.17

CD ROAD A DATA			
PROP. CURVE VEC.A-1 PI STA. = 3605+11.46 N = 1,802,336.67 E = 1,159,278.95 Δ = 0° 29' 43" (RT) D = 0° 08' 04" R = 42,653.58' T = 184.40' L = 368.79' E = 0.40' DESIGN SPEED = 45 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3603+27.06 N = 1,802,202.64 E = 1,159,152.31 P.T. STA. = 3606+95.85 N = 1,802,469.59 E = 1,159,406.75	PROP. CURVE VEC.A-2 PI STA. = 3613+65.64 N = 1,802,952.43 E = 1,159,870.96 Δ = 3° 20' 13" (LT) D = 0° 42' 09" R = 8,155.00' T = 237.54' L = 474.96' E = 3.46' DESIGN SPEED = 45 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3611+28.10 N = 1,802,781.19 E = 1,159,706.33 P.R.C. STA. = 3616+03.05 N = 1,803,132.96 E = 1,160,025.35	PROP. CURVE VEC.A-3 PI STA. = 3618+49.69 N = 1,803,320.40 E = 1,160,185.64 Δ = 3° 27' 28" (RT) D = 0° 42' 04" R = 8,171.00' T = 246.63' L = 493.11' E = 3.72' DESIGN SPEED = 45 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.R.C. STA. = 3616+03.05 N = 1,803,132.96 E = 1,160,025.35 P.T. STA. = 3620+96.17 N = 1,803,497.83 E = 1,160,356.95	P.O.T. STA 3667+48.40 N = 1,806,844.70 E = 1,163,588.32 P.O.T. STA 3678+08.50 N = 1,807,619.06 E = 1,164,312.33 P.O.T. STA 3680+08.57 N = 1,807,765.74 E = 1,164,448.38



RAMP B DATA							
PROP. CURVE VEC.B-1 PI STA. = 2999+27.26 N = 1,801,524.53 E = 1,158,466.52 Δ = 1° 13' 50" (LT) D = 0° 14' 04" R = 24,448.70' T = 262.57' L = 525.11' E = 1.41' DESIGN SPEED = 50 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 2996+64.69 N = 1,801,345.76 E = 1,158,274.21 P.T. STA. = 3001+89.80 N = 1,801,707.39 E = 1,158,654.95	PROP. CURVE VEC.B-2 PI STA. = 3008+11.65 N = 1,802,140.45 E = 1,159,101.21 Δ = 1° 08' 03" (RT) D = 0° 08' 04" R = 42,651.03' T = 422.19' L = 844.35' E = 2.09' DESIGN SPEED = 50 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3003+89.46 N = 1,801,846.43 E = 1,158,798.23 P.T. STA. = 3012+33.81 N = 1,802,428.41 E = 1,159,409.95	PROP. CURVE VEC.B-3 PI STA. = 3017+71.35 N = 1,802,795.06 E = 1,159,803.04 Δ = 10° 40' 17" (RT) D = 6° 45' 52" R = 847.00' T = 79.11' L = 157.75' E = 3.69' DESIGN SPEED = 45 MPH e = 5.9% ENTERING CURVE: T.R. = 66.6' S.E. RUN = 196.5' EXITING CURVE: T.R. = N/A S.E. RUN = N/A P.C. STA. = 3016+92.25 N = 1,802,741.10 E = 1,159,745.20 P.T. STA. = 3018+50.00 N = 1,802,837.37 E = 1,159,869.88	PROP. CURVE VEC.B-4 PI STA. = 3020+54.82 N = 1,802,938.64 E = 1,160,043.89 Δ = 26° 57' 17" (RT) D = 6° 49' 30" R = 839.50' T = 201.20' L = 394.94' E = 23.77' DESIGN SPEED = 45 MPH e = 5.9% ENTERING CURVE: T.R. = N/A S.E. RUN = N/A EXITING CURVE: T.R. = N/A S.E. RUN = N/A P.C. STA. = 3018+53.62 N = 1,802,831.03 E = 1,159,873.90 P.T. STA. = 3022+48.57 N = 1,802,957.51 E = 1,160,244.20	PROP. CURVE VEC.B-5 PI STA. = 3042+63.97 N = 1,803,146.46 E = 1,162,250.73 Δ = 127° 16' 04" (LT) D = 6° 45' 52" R = 847.00' T = 1,708.81' L = 1,881.39' E = 1,060.21' DESIGN SPEED = 45 MPH e = 5.9% ENTERING CURVE: T.R. = N/A S.E. RUN = 196.5' EXITING CURVE: T.R. = N/A S.E. RUN = 196.5' P.C. STA. = 3025+55.16 N = 1,802,986.25 E = 1,160,549.44 P.T. STA. = 3044+36.55 N = 1,804,403.35 E = 1,161,093.03	PROP. CURVE VEC.B-6 PI STA. = 3048+42.12 N = 1,804,701.66 E = 1,160,818.26 Δ = 19° 14' 28" (RT) D = 6° 45' 52" R = 847.00' T = 143.57' L = 284.44' E = 12.08' DESIGN SPEED = 45 MPH e = 5.9% ENTERING CURVE: T.R. = N/A S.E. RUN = 196.5' EXITING CURVE: T.R. = 50.0' S.E. RUN = 196.5' P.C. STA. = 3046+98.55 N = 1,804,596.06 E = 1,160,915.53 P.T. STA. = 3049+82.99 N = 1,804,833.42 E = 1,160,761.22	PROP. CURVE VEC.B-7 PI STA. = 3082+53.37 N = 1,807,834.68 E = 1,159,462.07 Δ = 3° 52' 00" (LT) D = 1° 55' 57" R = 2,964.65' T = 100.07' L = 200.07' E = 1.69' DESIGN SPEED = 60 MPH e = 4.5% ENTERING CURVE: T.R. = 59.9' S.E. RUN = 179.8' EXITING CURVE: T.R. = N/A S.E. RUN = N/A P.C. STA. = 3081+53.30 N = 1,807,742.84 E = 1,159,501.82 P.C.C. STA. = 3083+53.37 N = 1,807,923.63 E = 1,159,416.21	PROP. CURVE VEC.B-8 PI STA. = 3090+54.66 N = 1,808,543.11 E = 1,159,087.49 Δ = 26° 41' 30" (LT) D = 1° 56' 18" R = 2,956.10' T = 701.29' L = 1,377.13' E = 82.05' DESIGN SPEED = 60 MPH e = 4.5% ENTERING CURVE: T.R. = N/A S.E. RUN = N/A EXITING CURVE: T.R. = N/A S.E. RUN = N/A P.C. STA. = 3083+53.37 N = 1,807,923.63 E = 1,159,416.21 P.C.C. STA. = 3097+30.49 N = 1,808,948.92 E = 1,158,515.54

NOTE:
CONTRACT 60M57 USES THE FOLLOWING ALIGNMENTS:
I-57, I-294, 147TH STREET, WESTERN AVENUE, DIXIE HWY,
KEDZIE AVENUE (NORTH), RAMP EX.F, RAMP E, RAMP J,
AND RAMP K. ALL OTHER ALIGNMENTS ARE FOR FUTURE
CONTRACTS AND ARE SHOWN FOR INFORMATION ONLY.



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - CAC	REVISED -
DRAWN - CAC	REVISIONS -	
PLOT SCALE =	CHECKED - JDF	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
ALIGNMENT PLANS**

SCALE: 1"=200'	SHEET NO. 1 OF 10 SHEETS	STA. 1173+90 TO STA. 1221+00
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	16
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

KEDZIE AVE DATA

P.O.T. STA 511+56.00
 N = 1,800,422.75
 E = 1,158,909.52

PROP. CURVE PRKEDZI-2
 CHORD DEFINITION
 PI STA. = 532+36.68
 N = 1,802,244.95
 E = 1,158,030.74
 $\Delta = 34^\circ 57' 35''$ (RT)
 D = 3° 57' 57"
 R = 1,445.00'
 T = 455.05'
 L = 881.51'
 E = 69.96'
 DESIGN SPEED = 45 MPH
 e = 5.0%
 ENTERING CURVE:
 T.R. = 67'
 S.E. RUN = 167'
 P.C. STA. = 527+81.63
 N = 1,801,880.98
 E = 1,158,303.87
 P.T. STA. = 536+63.14
 N = 1,802,699.74
 E = 1,158,015.44

PROP. CURVE PRKEDZI-1
 CHORD DEFINITION
 PI STA. = 518+20.32
 N = 1,801,086.99
 E = 1,158,899.70
 $\Delta = 36^\circ 02' 20''$ (LT)
 D = 3° 57' 57"
 R = 1,445.00'
 T = 470.05'
 L = 908.72'
 E = 74.53'
 DESIGN SPEED = 45 MPH
 e = 5.0%
 ENTERING CURVE:
 T.R. = 67'
 S.E. RUN = 167'
 P.C. STA. = 513+50.27
 N = 1,800,616.99
 E = 1,158,906.65
 P.T. STA. = 522+58.99
 N = 1,801,462.96
 E = 1,158,617.57

RAMP F2 DATA

PROP. CURVE VEC.F2-1
 PI STA. = 5002+21.45
 N = 1,804,222.90
 E = 1,160,129.95
 $\Delta = 32^\circ 27' 56''$ (LT)
 D = 7° 31' 59"
 R = 760.60'
 T = 221.45'
 L = 430.98'
 E = 31.58'
 DESIGN SPEED = 45 MPH
 e = 6.0%
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = N/A
 EXITING CURVE:
 T.R. = 44.4'
 S.E. RUN = 177.6'
 P.C. STA. = 5000+00.00
 N = 1,804,349.65
 E = 1,160,311.54
 P.T. STA. = 5004+30.98
 N = 1,804,018.49
 E = 1,160,044.78

PROP. CURVE VEC.F2-2
 PI STA. = 5013+62.64
 N = 1,803,147.69
 E = 1,159,713.58
 $\Delta = 21^\circ 22' 30''$ (RT)
 D = 7° 29' 23"
 R = 765.00'
 T = 144.38'
 L = 285.39'
 E = 13.50'
 DESIGN SPEED = 40 MPH
 e = 6.0%
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 123.8'
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = 123.8'
 P.C. STA. = 5012+18.26
 N = 1,803,282.63
 E = 1,159,764.90
 P.T. STA. = 5015+03.66
 N = 1,803,040.73
 E = 1,159,616.60

PROP. CURVE VEC.F2-3
 PI STA. = 5023+83.66
 N = 1,802,388.81
 E = 1,159,025.50
 $\Delta = 0^\circ 51' 13''$ (LT)
 D = 0° 07' 59"
 R = 43,034.07'
 T = 320.57'
 L = 641.12'
 E = 1.19'
 DESIGN SPEED = 45 MPH
 e = N.C.
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 5020+63.09
 N = 1,802,626.29
 E = 1,159,240.82
 P.T. STA. = 5027+04.22
 N = 1,802,148.15
 E = 1,158,813.73

RAMP D DATA

PROP. CURVE VEC.D-1
 PI STA. = 3910+90.22
 N = 1,804,578.84
 E = 1,160,940.18
 $\Delta = 105^\circ 27' 13''$ (RT)
 D = 13° 42' 26"
 R = 418.00'
 T = 549.24'
 L = 769.34'
 E = 272.21'
 DESIGN SPEED = 35 MPH
 e = 6.0%
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 115.9'
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = 130.4'
 P.C. STA. = 3905+40.99
 N = 1,804,931.92
 E = 1,161,360.89
 P.T. STA. = 3913+10.32
 N = 1,805,078.41
 E = 1,160,711.96

P.O.T. STA 3900+00.00
 N = 1,805,279.70
 E = 1,161,775.27

P.O.T. STA 3933+16.56
 N = 1,806+903.26
 E = 1,159,878.33

RAMP L DATA

P.O.T. STA 3795+45.69
 N = 1,805,435.49
 E = 1,160,281.22

PROP. CURVE VEC.L-1
 PI STA. = 3818+51.51
 N = 1,803,319.41
 E = 1,161,197.21
 $\Delta = 90^\circ 00' 00''$ (RT)
 D = 11° 14' 04"
 R = 510.00'
 T = 510.00'
 L = 801.11'
 E = 211.25'
 DESIGN SPEED = 40 MPH
 e = 6.0%
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 123.8'
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = N/A
 P.C. STA. = 3813+41.51
 N = 1,803,787.44
 E = 1,160,994.61
 P.C.C. STA. = 3821+42.62
 N = 1,803,116.81
 E = 1,160,729.18

PROP. CURVE VEC.L-2
 PI STA. = 3837+18.65
 N = 1,802,650.43
 E = 1,159,651.76
 $\Delta = 155^\circ 29' 29''$ (RT)
 D = 22° 28' 08"
 R = 255.00'
 T = 1174.03'
 L = 692.03'
 E = 946.41'
 DESIGN SPEED = 30 MPH
 e = 6.0%
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = N/A
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = 109.4'
 P.C.C. STA. = 3821+42.62
 N = 1,803,116.81
 E = 1,160,729.18
 P.T. STA. = 3828+34.65
 N = 1,803,521.74
 E = 1,160,438.63

RAMP H DATA

P.O.T. STA 4000+00.00
 N = 1,802,545.20
 E = 1,161,713.96

PROP. CURVE VEC.H-1
 PI STA. = 4008+84.26
 N = 1,803,373.22
 E = 1,161,403.64
 $\Delta = 19^\circ 36' 14''$ (RT)
 D = 6° 51' 42"
 R = 835.00'
 T = 144.26'
 L = 285.70'
 E = 12.37'
 DESIGN SPEED = 50 MPH
 e = 6.0%
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 128.0'
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = 144.0'

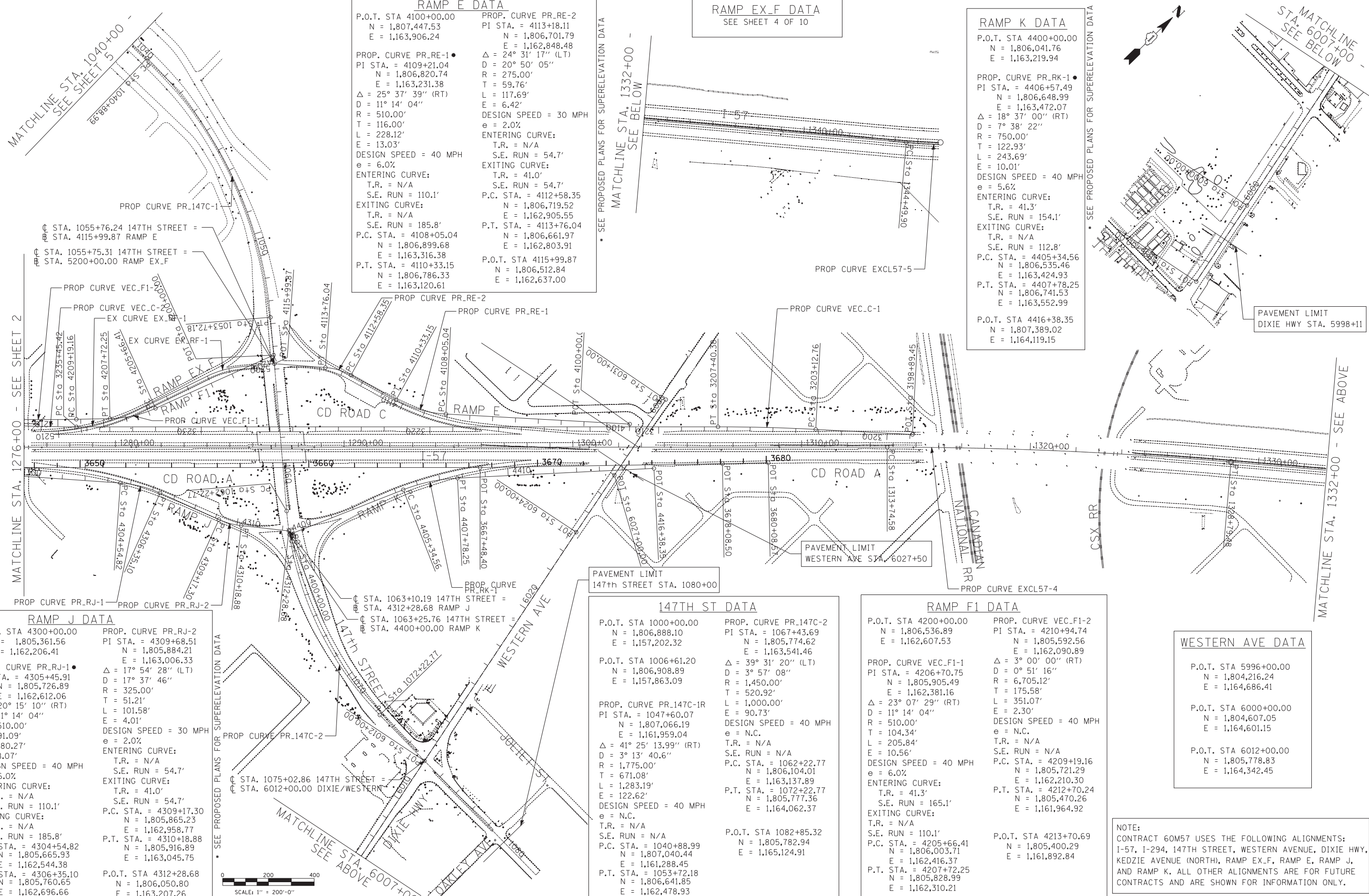
PROP. CURVE VEC.H-2
 PI STA. = 4019+96.36
 N = 1,804,487.99
 E = 1,161,385.35
 $\Delta = 43^\circ 47' 19''$ (RT)
 D = 11° 14' 04"
 R = 510.00'
 T = 204.96'
 L = 389.77'
 E = 39.64'
 DESIGN SPEED = 40 MPH
 e = 6.0%
 ENTERING CURVE:
 T.R. = N/A
 S.E. RUN = 123.8'
 EXITING CURVE:
 T.R. = N/A
 S.E. RUN = 110.1'
 P.C. STA. = 4017+91.40
 N = 1,804,283.06
 E = 1,161,388.71
 P.T. STA. = 4021+81.17
 N = 1,804,638.25
 E = 1,161,524.74

P.O.T. STA 4027+81.12
 N = 1,805,078.12
 E = 1,161,932.74

- ① I-57 STA 1223+07.74 = KEDZIE STA 524+07.04
- ② I-57 STA 1258+48.81 = I-294 STA 406+43.64

NOTE:
 CONTRACT 60M57 USES THE FOLLOWING ALIGNMENTS:
 I-57, I-294, 147TH STREET, WESTERN AVENUE, DIXIE HWY,
 KEDZIE AVENUE (NORTH), RAMP EX-F, RAMP E, RAMP J,
 AND RAMP K. ALL OTHER ALIGNMENTS ARE FOR FUTURE
 CONTRACTS AND ARE SHOWN FOR INFORMATION ONLY.

	USER NAME =	DESIGNED - CAC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT ALIGNMENT PLANS			F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - CAC	REVISED -		SCALE: 1"=200'	SHEET NO. 2 OF 10 SHEETS	STA. 1173+90 TO STA. 1221+00	XX	(0405-1 & 0506-2) R-1	COOK	577	17
	PLOT DATE =	CHECKED - JDF	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	CONTRACT NO. 60M57				
DATE - 5/23/2012		REVISED -										



RAMP E DATA

P.O.T. STA 4100+00.00 N = 1,807,447.53 E = 1,163,906.24	PROP. CURVE PR_RE-2 PI STA. = 4113+18.11 N = 1,806,701.79 E = 1,162,848.48 Δ = 24° 31' 17" (LT) D = 20° 50' 05" R = 275.00' T = 59.76' L = 117.69' E = 6.42'
PROP. CURVE PR_RE-1 PI STA. = 4109+21.04 N = 1,806,820.74 E = 1,163,231.38 Δ = 25° 37' 39" (RT) D = 11° 14' 04" R = 510.00' T = 116.00' L = 228.12' E = 13.03'	DESIGN SPEED = 30 MPH e = 2.0% ENTERING CURVE: T.R. = N/A S.E. RUN = 54.7'
DESIGN SPEED = 40 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = 110.1'	EXITING CURVE: T.R. = 41.0' S.E. RUN = 54.7'
EXITING CURVE: T.R. = N/A S.E. RUN = 185.8'	P.C. STA. = 4108+05.04 N = 1,806,899.68 E = 1,163,316.38
P.T. STA. = 4110+33.15 N = 1,806,786.33 E = 1,163,120.61	P.T. STA. = 4113+76.04 N = 1,806,661.97 E = 1,162,803.91
	P.O.T. STA 4115+99.87 N = 1,806,512.84 E = 1,162,637.00

RAMP EX_F DATA

SEE SHEET 4 OF 10

RAMP K DATA

P.O.T. STA 4400+00.00 N = 1,806,041.76 E = 1,163,219.94	PROP. CURVE PR_RK-1 PI STA. = 4406+57.49 N = 1,806,648.99 E = 1,163,472.07 Δ = 18° 37' 00" (RT) D = 7° 38' 22" R = 750.00' T = 122.93' L = 243.69' E = 10.01'
DESIGN SPEED = 40 MPH e = 5.6%	ENTERING CURVE: T.R. = 41.3' S.E. RUN = 154.1'
EXITING CURVE: T.R. = N/A S.E. RUN = 112.8'	P.C. STA. = 4405+34.56 N = 1,806,535.46 E = 1,163,424.93
P.T. STA. = 4407+78.25 N = 1,806,741.53 E = 1,163,552.99	P.T. STA. = 4407+78.25 N = 1,806,741.53 E = 1,163,552.99
P.O.T. STA 4416+38.35 N = 1,807,389.02 E = 1,164,119.15	

RAMP J DATA

P.O.T. STA 4300+00.00 N = 1,805,361.56 E = 1,162,206.41	PROP. CURVE PR_RJ-2 PI STA. = 4309+68.51 N = 1,805,884.21 E = 1,163,006.33 Δ = 17° 54' 28" (LT) D = 17° 37' 46" R = 325.00' T = 51.21' L = 101.58' E = 4.01'
PROP. CURVE PR_RJ-1 PI STA. = 4305+45.91 N = 1,805,726.89 E = 1,162,612.06 Δ = 20° 15' 10" (RT) D = 11° 14' 04" R = 510.00' T = 91.09' L = 180.27' E = 8.07'	DESIGN SPEED = 30 MPH e = 2.0% ENTERING CURVE: T.R. = N/A S.E. RUN = 54.7'
DESIGN SPEED = 40 MPH e = 6.0%	EXITING CURVE: T.R. = 41.0' S.E. RUN = 54.7'
ENTERING CURVE: T.R. = N/A S.E. RUN = 110.1'	P.C. STA. = 4309+17.30 N = 1,805,865.23 E = 1,162,958.77
EXITING CURVE: T.R. = N/A S.E. RUN = 185.8'	P.T. STA. = 4310+18.88 N = 1,805,916.89 E = 1,163,045.75
P.C. STA. = 4304+54.82 N = 1,805,665.93 E = 1,162,544.38	P.O.T. STA 4312+28.68 N = 1,806,050.80 E = 1,163,207.26
P.T. STA. = 4306+35.10 N = 1,805,760.65 E = 1,162,696.66	

147TH ST DATA

P.O.T. STA 1000+00.00 N = 1,806,888.10 E = 1,157,202.32	PROP. CURVE PR_147C-2 PI STA. = 1067+43.69 N = 1,805,774.62 E = 1,163,541.46 Δ = 39° 31' 20" (LT) D = 3° 57' 08" R = 1,450.00' T = 520.92' L = 1,000.00' E = 90.73'
PROP. CURVE PR_147C-1R PI STA. = 1047+60.07 N = 1,807,066.19 E = 1,161,959.04 Δ = 41° 25' 13.99" (RT) D = 3° 13' 40.6" R = 1,775.00' T = 671.08' L = 1,283.19' E = 122.62'	DESIGN SPEED = 40 MPH e = N.C. T.R. = N/A S.E. RUN = N/A
DESIGN SPEED = 40 MPH e = N.C.	P.C. STA. = 1062+22.77 N = 1,806,104.01 E = 1,163,137.89
T.R. = N/A S.E. RUN = N/A	P.T. STA. = 1072+22.77 N = 1,805,777.36 E = 1,164,062.37
P.C. STA. = 1040+88.99 N = 1,807,040.44 E = 1,161,288.45	P.O.T. STA 1082+85.32 N = 1,805,782.94 E = 1,165,124.91
P.T. STA. = 1053+72.18 N = 1,806,641.85 E = 1,162,478.93	

RAMP F1 DATA

P.O.T. STA 4200+00.00 N = 1,806,536.89 E = 1,162,607.53	PROP. CURVE VEC_F1-2 PI STA. = 4210+94.74 N = 1,805,592.56 E = 1,162,090.89 Δ = 3° 00' 00" (RT) D = 0° 51' 16" R = 6,705.12' T = 175.58' L = 351.07' E = 2.30'
PROP. CURVE VEC_F1-1 PI STA. = 4206+70.75 N = 1,805,905.49 E = 1,162,381.16 Δ = 23° 07' 29" (RT) D = 11° 14' 04" R = 510.00' T = 104.34' L = 205.84' E = 10.56'	DESIGN SPEED = 40 MPH e = N.C. T.R. = N/A S.E. RUN = N/A
DESIGN SPEED = 40 MPH e = 6.0%	P.C. STA. = 4209+19.16 N = 1,805,721.29 E = 1,162,210.30
ENTERING CURVE: T.R. = 41.3' S.E. RUN = 165.1'	P.T. STA. = 4212+70.24 N = 1,805,470.26 E = 1,161,964.92
EXITING CURVE: T.R. = N/A S.E. RUN = 110.1'	P.O.T. STA 4213+70.69 N = 1,805,400.29 E = 1,161,892.84
P.C. STA. = 4205+66.41 N = 1,806,003.71 E = 1,162,416.37	
P.T. STA. = 4207+72.25 N = 1,805,828.99 E = 1,162,310.21	

WESTERN AVE DATA

P.O.T. STA 5996+00.00 N = 1,804,216.24 E = 1,164,686.41	P.O.T. STA 6000+00.00 N = 1,804,607.05 E = 1,164,601.15
P.O.T. STA 6012+00.00 N = 1,805,778.83 E = 1,164,342.45	

NOTE:
CONTRACT 60M57 USES THE FOLLOWING ALIGNMENTS:
I-57, I-294, 147TH STREET, WESTERN AVENUE, DIXIE HWY,
KEDZIE AVENUE (NORTH), RAMP EX_F, RAMP E, RAMP J,
AND RAMP K. ALL OTHER ALIGNMENTS ARE FOR FUTURE
CONTRACTS AND ARE SHOWN FOR INFORMATION ONLY.

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - CAC	REVISED -
PLOT SCALE =	DRAWN - CAC	REVISED -
PLOT DATE =	CHECKED - JDF	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
ALIGNMENT PLANS**

SCALE: 1"=200' SHEET NO. 3 OF 10 SHEETS STA. 1276+00 TO STA. 1344+49.51

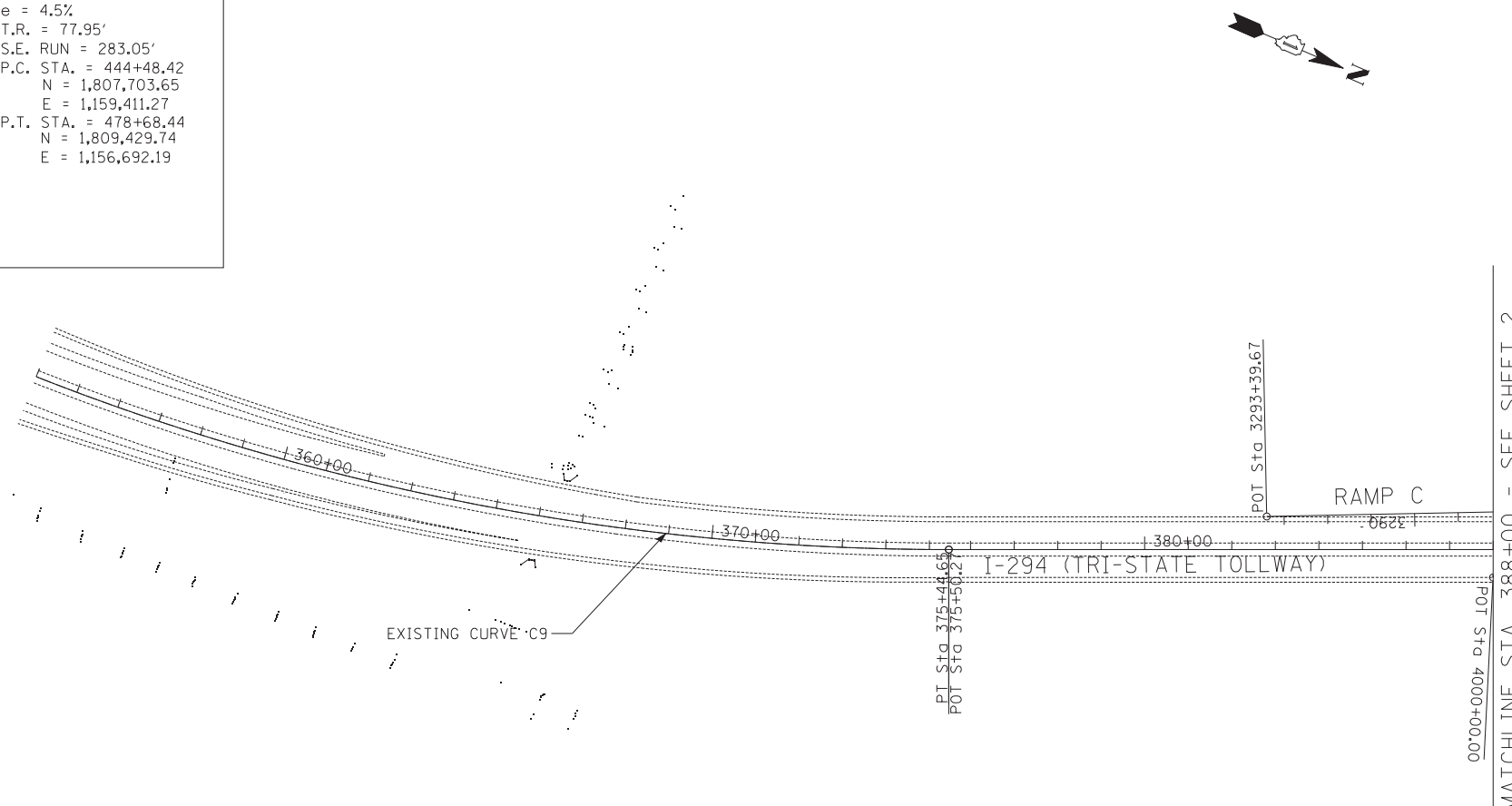
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	18
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

I-294 DATA

PROP. CURVE C9 PI STA. = 364+24.07 N = 1,800,317.04 E = 1,162,608.72 Δ = 22° 42' 44" (LT) D = 1° 00' 00" R = 5,730.02' T = 1,150.80' L = 2,271.38' E = 114.42' DESIGN SPEED = 60 MPH e = 2.7% T.R. = 77.95' S.E. RUN = 156.31' P.C. STA. = 352+73.27 N = 1,799,166.33 E = 1,162,622.66 P.T. STA. = 375+44.65 N = 1,801,373.14 E = 1,162,151.56 P.O.T. STA 375+50.27 N = 1,801,373.14 E = 1,162,151.56	EXIST. CURVE C5 PI STA. = 463+95.11 N = 1,809,490.15 E = 1,158,637.95 Δ = 68° 22' 19" (LT) D = 1° 59' 57" R = 2,865.98' T = 1,946.70' L = 3,420.02' E = 598.62' DESIGN SPEED = 60 MPH e = 4.5% T.R. = 77.95' S.E. RUN = 283.05' P.C. STA. = 444+48.42 N = 1,807,703.65 E = 1,159,411.27 P.T. STA. = 478+68.44 N = 1,809,429.74 E = 1,156,692.19
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RAMP EX_F DATA

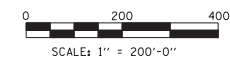
EXIST. CURVE EX_RF-1 PI STA. = 5202+28.73 N = 1,806,334.08 E = 1,162,494.32 Δ = 20° 25' 39" (LT) D = 13° 47' 27" R = 415.46' T = 74.86' L = 148.12' E = 6.69' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 5201+53.87 N = 1,806,393.01 E = 1,162,540.49 P.T. STA. = 5203+02.00 N = 1,806,262.74 E = 1,162,471.63 P.O.T. STA 5200+00.00 N = 1,806,513.41 E = 1,162,636.30	EXIST. CURVE EX_RF-2 PI STA. = 5208+52.46 N = 1,805,738.75 E = 1,162,302.99 Δ = 26° 24' 57" (RT) D = 6° 06' 30" R = 938.00' T = 220.14' L = 432.46' E = 25.49' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 5206+32.32 N = 1,805,948.30 E = 1,162,370.43 P.T. STA. = 5210+64.78 N = 1,805,581.07 E = 1,162,149.36
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RAMP C DATA

P.O.T. STA 3198+89.45 N = 1,808,305.21 E = 1,164,797.36 PROP. CURVE VEC_C-1 PI STA. = 3205+26.62 N = 1,807,870.62 E = 1,164,331.41 Δ = 3° 00' 00" (LT) D = 0° 42' 06" R = 8,167.00' T = 213.86' L = 427.62' E = 2.80' DESIGN SPEED = 50 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3203+12.76 N = 1,808,016.48 E = 1,164,487.80 P.T. STA. = 3207+40.38 N = 1,807,716.76 E = 1,164,182.86	PROP. CURVE VEC_C-2 PI STA. = 3237+21.84 N = 1,805,571.87 E = 1,162,111.99 Δ = 3° 00' 00" (RT) D = 0° 51' 02" R = 6,737.00' T = 176.41' L = 352.75' E = 2.31' DESIGN SPEED = 45 MPH e = N.C. T.R. = N/A S.E. RUN = N/A P.C. STA. = 3235+45.42 N = 1,805,698.79 E = 1,162,234.53 P.T. STA. = 3238+98.17 N = 1,805,451.55 E = 1,161,982.98	PROP. CURVE VEC_C-3 PI STA. = 3249+08.47 N = 1,804,762.45 E = 1,161,244.17 Δ = 19° 35' 58" (RT) D = 7° 43' 18" R = 742.00' T = 128.16' L = 253.82' E = 10.99' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = 50.0' S.E. RUN = 199.8' EXITING CURVE: T.R. = 50.0' S.E. RUN = 199.8' P.C. STA. = 3247+80.31 N = 1,804,849.86 E = 1,161,337.89 P.T. STA. = 3250+34.13 N = 1,804,340.04 E = 1,161,126.55	PROP. CURVE VEC_C-4 PI STA. = 3258+38.65 N = 1,804,391.94 E = 1,160,388.24 Δ = 13° 20' 17" (LT) D = 7° 43' 18" R = 742.00' T = 86.76' L = 172.73' E = 5.05' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = 196.5' EXITING CURVE: T.R. = N/A S.E. RUN = 196.5' P.C. STA. = 3257+51.89 N = 1,804,426.40 E = 1,160,467.85 P.C.C. STA. = 3259+24.62 N = 1,804,340.04 E = 1,160,318.71	PROP. CURVE VEC_C-5 PI STA. = 3260+45.95 N = 1,804,269.04 E = 1,160,220.33 Δ = 18° 29' 38" (LT) D = 7° 41' 18" R = 745.23' T = 121.33' L = 240.54' E = 9.81' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = N/A EXITING CURVE: T.R. = N/A S.E. RUN = N/A P.C. STA. = 3259+24.62 N = 1,804,340.04 E = 1,160,318.71 P.C.C. STA. = 3261+65.17 N = 1,804,170.50 E = 1,160,149.54	PROP. CURVE VEC_C-6 PI STA. = 3274+59.08 N = 1,803,107.15 E = 1,159,412.32 Δ = 120° 04' 09" (LT) D = 7° 40' 49" R = 746.00' T = 1,293.91' L = 1,563.32' E = 747.56' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = N/A EXITING CURVE: T.R. = N/A S.E. RUN = 177.6' P.C. STA. = 3261+65.17 N = 1,804,170.50 E = 1,160,149.54 P.T. STA. = 3277+28.49 N = 1,803,001.93 E = 1,160,701.95	PROP. CURVE VEC_C-7 PI STA. = 3283+93.44 N = 1,802,947.86 E = 1,161,364.70 Δ = 60° 47' 01" (RT) D = 7° 50' 55" R = 730.00' T = 428.15' L = 774.44' E = 116.29' DESIGN SPEED = 45 MPH e = 6.0% ENTERING CURVE: T.R. = N/A S.E. RUN = 177.6' EXITING CURVE: T.R. = N/A S.E. RUN = 118.4' P.C. STA. = 3279+65.29 N = 1,802,982.68 E = 1,160,937.97 P.T. STA. = 3287+39.73 N = 1,802,558.43 E = 1,161,542.60 P.O.T. STA 3293+39.67 N = 1,802,012.73 E = 1,161,791.89
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NOTE:
CONTRACT 60M57 USES THE FOLLOWING ALIGNMENTS:
I-57, I-294, 147TH STREET, WESTERN AVENUE, DIXIE HWY,
KEDZIE AVENUE (NORTH), RAMP EX_F, RAMP E, RAMP J,
AND RAMP K. ALL OTHER ALIGNMENTS ARE FOR FUTURE
CONTRACTS AND ARE SHOWN FOR INFORMATION ONLY.



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - CAC	REVISED -
PLOT SCALE =	DRAWN - CAC	REVISED -
PLOT DATE =	CHECKED - JDF	REVISED -
	DATE - 5/23/2012	REVISED -

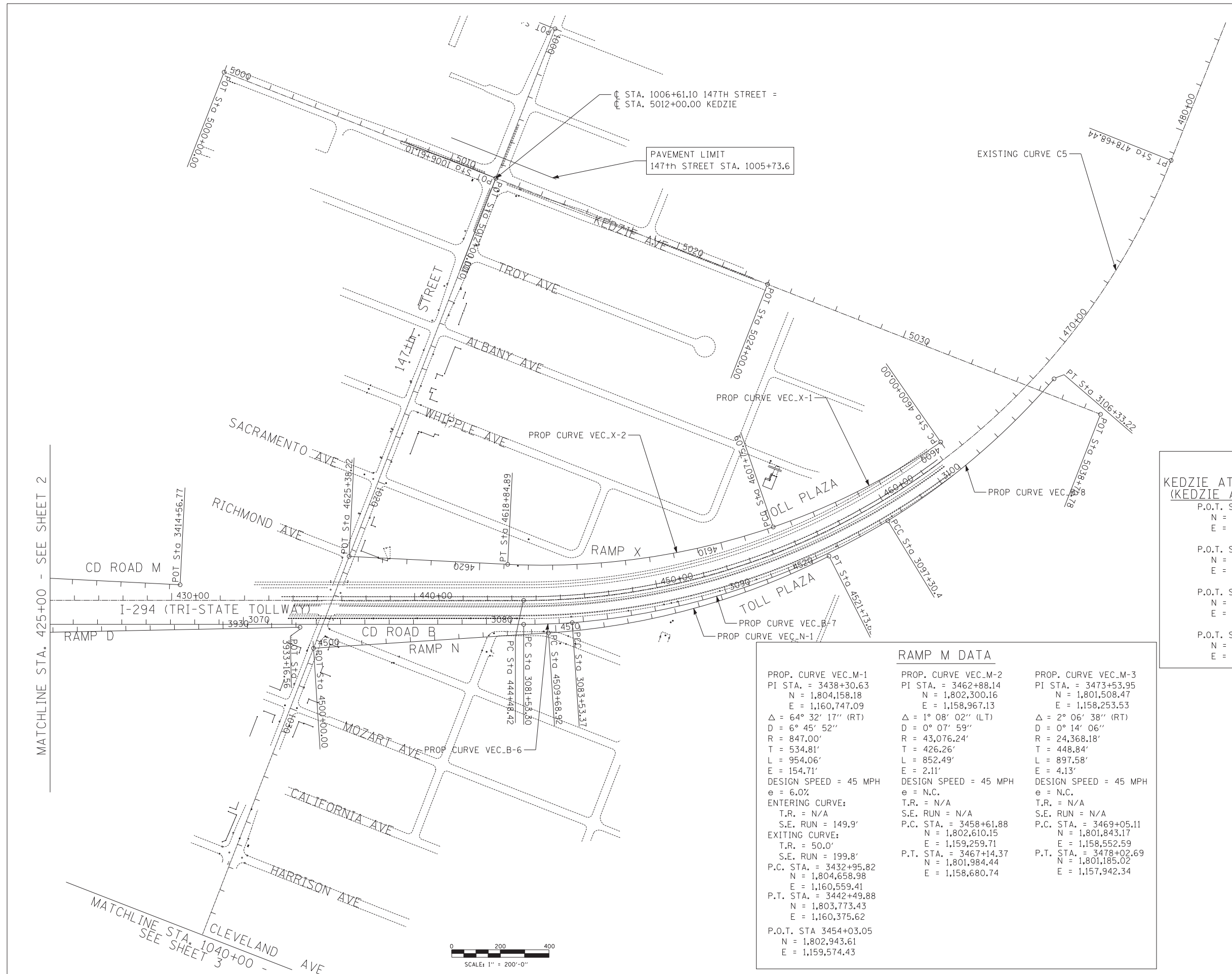
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
ALIGNMENT PLANS**

SCALE: 1"=200' SHEET NO. 4 OF 10 SHEETS STA. 364+92.85 TO STA. 388+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	19
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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RAMP X DATA	
PROP. CURVE VEC.X-1	PROP. CURVE VEC.X-2
PI STA. = 4603+90.08	PI STA. = 4613+36.74
N = 1,808,814.76	N = 1,808,110.64
E = 1,158,463.84	E = 1,159,104.16
$\Delta = 15^\circ 58' 58''$ (RT)	$\Delta = 21^\circ 44' 21''$ (RT)
D = $2^\circ 03' 43''$	D = $1^\circ 57' 32''$
R = 2,778.58'	R = 2,925.00'
T = 390.08'	T = 561.65'
L = 775.09'	L = 1,109.80'
E = 27.25'	E = 53.44'
DESIGN SPEED = XX MPH	DESIGN SPEED = XX MPH
e = -----%	e = -----%
ENTERING CURVE:	ENTERING CURVE:
T.R. = -----	T.R. = -----
S.E. RUN = -----	S.E. RUN = -----
EXITING CURVE:	EXITING CURVE:
T.R. = -----	T.R. = -----
S.E. RUN = -----	S.E. RUN = -----
P.C. STA. = 4600+00.00	P.C.C. STA. = 4607+75.09
N = 1,809,019.93	N = 1,807,526.17
E = 1,158,132.08	E = 1,158,726.28
P.C.C. STA. = 4607+75.09	P.T. STA. = 4618+84.89
N = 1,807,526.17	N = 1,807,584.71
E = 1,158,726.28	E = 1,159,301.26

KEDZIE AT 147th STREET (KEDZIE AVENUE (NORTH))		
P.O.T. STA 5000+00.00	N = 1,805,709.68	E = 1,157,906.86
P.O.T. STA 5012+00.00	N = 1,806,908.89	E = 1,157,863.09
P.O.T. STA 5024+00.00	N = 1,808,108.09	E = 1,157,819.44
P.O.T. STA 5038+70.78	N = 1,809,577.90	E = 1,157,765.93

RAMP N DATA		
P.O.T. STA 4500+00.00	N = 1,806,988.48	E = 1,159,935.55
PROP. CURVE VEC.N-1	PI STA. = 4515+79.73	N = 1,808,394.33
	E = 1,159,215.06	$\Delta = 23^\circ 11' 04''$ (LT)
	D = $1^\circ 55' 27''$	R = 2,977.68'
	T = 610.80'	L = 1,204.90'
	E = 62.00'	DESIGN SPEED = 45 MPH
	e = 4.5%	ENTERING CURVE:
	T.R. = 44.4'	S.E. RUN = 133.2'
	S.E. RUN = 133.2'	EXITING CURVE:
	T.R. = N/A	S.E. RUN = N/A
	P.C. STA. = 4509+68.92	N = 1,807,850.76
	E = 1,159,493.64	P.T. STA. = 4521+73.82
	N = 1,808,784.34	E = 1,158,744.98

RAMP M DATA		
PROP. CURVE VEC.M-1	PROP. CURVE VEC.M-2	PROP. CURVE VEC.M-3
PI STA. = 3438+30.63	PI STA. = 3462+88.14	PI STA. = 3473+53.95
N = 1,804,158.18	N = 1,802,300.16	N = 1,801,508.47
E = 1,160,747.09	E = 1,158,967.13	E = 1,158,253.53
$\Delta = 64^\circ 32' 17''$ (RT)	$\Delta = 1^\circ 08' 02''$ (LT)	$\Delta = 2^\circ 06' 38''$ (RT)
D = $6^\circ 45' 52''$	D = $0^\circ 07' 59''$	D = $0^\circ 14' 06''$
R = 847.00'	R = 43,076.24'	R = 24,368.18'
T = 534.81'	T = 426.26'	T = 448.84'
L = 954.06'	L = 852.49'	L = 897.58'
E = 154.71'	E = 2.11'	E = 4.13'
DESIGN SPEED = 45 MPH	DESIGN SPEED = 45 MPH	DESIGN SPEED = 45 MPH
e = 6.0%	e = N.C.	e = N.C.
ENTERING CURVE:	T.R. = N/A	T.R. = N/A
T.R. = N/A	S.E. RUN = N/A	S.E. RUN = N/A
S.E. RUN = 149.9'	P.C. STA. = 3458+61.88	P.C. STA. = 3469+05.11
EXITING CURVE:	N = 1,802,610.15	N = 1,801,843.17
T.R. = 50.0'	E = 1,159,259.71	E = 1,158,552.59
S.E. RUN = 199.8'	P.T. STA. = 3467+14.37	P.T. STA. = 3478+02.69
P.C. STA. = 3432+95.82	N = 1,801,984.44	N = 1,801,185.02
N = 1,804,658.98	E = 1,158,680.74	E = 1,157,942.34
E = 1,160,559.41		
P.T. STA. = 3442+49.88		
N = 1,803,773.43		
E = 1,160,375.62		
P.O.T. STA 3454+03.05		
N = 1,802,943.61		
E = 1,159,574.43		

NOTE:
 CONTRACT 60M57 USES THE FOLLOWING ALIGNMENTS:
 I-57, I-294, 147TH STREET, WESTERN AVENUE, DIXIE HWY,
 KEDZIE AVENUE (NORTH), RAMP EX.F, RAMP E, RAMP J,
 AND RAMP K. ALL OTHER ALIGNMENTS ARE FOR FUTURE
 CONTRACTS AND ARE SHOWN FOR INFORMATION ONLY.

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - CAC	REVISED -
	DRAWN - CAC	REVISED -
PLOT SCALE =	CHECKED - JDF	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
 ALIGNMENT PLANS**

SCALE: 1"=200' SHEET NO. 5 OF 10 SHEETS STA. 425+00 TO STA. 3118+34.77

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	20
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

PROJECT BENCH MARKS

BM 200 ELEVATION = 646.2550 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON TOP OF A CONCRETE PIER AT NORTHEAST CORNER OF I-57 AND 159TH STREET.

BM 201 ELEVATION = 617.6382 FEET
SET EAST SIDE OF I-57 ON NORTH SIDE OF THE PEDESTRIAN BRIDGE, A SQUARE CUT ON HEAD WALL OF THE CULVERT ALONG LINE 43 (ADJACENT TO 2778).

BM 202 ELEVATION = 608.1299 FEET
SET ON EAST SIDE OF I-57 ON CONCRETE EDGE OF STRUCTURE AT CONTROL POINT 9307. A SQUARE CUT JUST SOUTH OF LINE 37.

BM 203 ELEVATION = 609.8597 FEET
SET EAST SIDE OF I-57 ON CONCRETE EDGE OF STRUCTURE AT CONTROL POINT 9310. A SQUARE CUT ADJACENT TO LINE 34.

BM 204 ELEVATION = 609.8511 FEET
SET EAST SIDE OF I-57 A SQUARE CUT ON WEST SIDE OF CONCRETE BASE OF LIGHT POST. FIRST LIGHT POST SOUTH OF KEDZIE AVE. LOCATED NEAR CONTROL POINT 9300 AND LINE 27

BM 205 ELEVATION = 610.0871 FEET
SET EAST SIDE OF I-57 SOUTHWEST BOLT OF LIGHT POST BASE, THIRD LIGHT POST NORTH OF KEDZIE AVE. ADJACENT TO CONTROL POINT 2103 AND LINE 23.

BM 206 ELEVATION = 610.4211 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON WEST SIDE OF CONCRETE BASE OF LIGHT POST. THIRD LIGHT POST SOUTH OF SIGNS FOR EXIT 350 (IL RTE 83) 1/2 MILE. ADJACENT TO CONTROL POINT 2599 AND LINE 17.

BM 207 ELEVATION = 637.9924 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON BRIDGE PIER LOCATED AT SOUTH EAST CORNER OF I-294 AND I-57.

BM 208 ELEVATION = 628.8701 FEET
SET EAST SIDE OF I-57. SET MAG NAIL AT SOUTH END OF GUARDRAIL APPROXIMATELY 150 FEET SOUTH OF SIGN (SIBLEY BLVD. OR 147TH ST.).

BM 209 ELEVATION = 626.2850 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON CONCRETE WALL LOCATED AT NORTHEAST CORNER OF I-57 AND SIBLEY BLVD/147TH ST.

BM 210 ELEVATION = 627.4682 FEET
SET EAST SIDE OF I-57, A SQUARE CUT ON CONCRETE WALL LOCATED AT NORTHEAST CORNER OF I-57 AND DIXIE HWY.

BM 211 ELEVATION = 608.2950 FEET
SET WEST SIDE OF KEDZIE. CROSS CUT BUTTON BOLT OF FIRE HYDRANT LOCATED 200 FEET SOUTH OF BRIDGE FOR I-294.

BM 213 ELEVATION = 634.4654 FEET
SET EAST SIDE OF I-57, A SQUARE CUT AT THE NORTHEAST CORNER OF CONCRETE WALL ON BRIDGE (MILE MARKER 351). BRIDGE IS OVER RAILROAD TRACKS AND JUNKYARD.

BM 214 ELEVATION = 615.8439 FEET
SET EAST SIDE OF I-57, A SQUARE CUT IN CONCRETE BASE OF LIGHT POST ON THE EASTERLY SIDE LIGHT POST IS LABELED MILE MARKER 351.11

BM 215 ELEVATION = 605.7081 FEET
SET NORTH SIDE OF 147TH ST. A SQUARE CUT ON SOUTHWEST CORNER OF TRAFFIC SIGNAL CABINET LOCATED AT THE NORTHEAST CORNER OF 147TH ST. AND CLEVELAND AVE.

BM 216 ELEVATION = 605.7528 FEET
SET CROSS CUT LOCATED ON THE SOUTHWEST BUTTON BOLT OF FIRE HYDRANT LOCATED AT NORTHWEST CORNER OF 147TH ST. AND HARRISON ST.

BM 217 ELEVATION = 606.0342 FEET
SET SQUARE CUT ON NORTHEAST CORNER OF LIGHT POST BASE LOCATED AT THE SOUTHWEST CORNER OF 147TH ST. AND CALIFORNIA AVE.

BM 218 ELEVATION = 606.0952 FEET
SET SQUARE CUT ON SOUTHWEST CORNER OF 147TH ST AND RICHMOND LOCATED AT THE FACE OF SIDEWALK WALK 9 FT. EAST OF FENCE CORNER.

BM 219 ELEVATION = 605.7136 FEET
SET SQUARE CUT ON CONCRETE BASE OF TRAFFIC SIGNAL LOCATED AT SOUTHWEST CORNER OF 147TH ST. AND SACRAMENTO ST.

BM 220 ELEVATION = 608.0494 FEET
SET SQUARE CUT ON THE CONCRETE BASE OF MARATHON SIGN LOCATED AT THE SOUTHWEST CORNER OF 147TH ST. AND WHIPPLE ST.

BM 221 ELEVATION = 608.9063 FEET
SET SQUARE CUT ON CONCRETE BASE OF LIGHT POST IN FRONT OF DUNKIN DONUTS AT SOUTHWEST CORNER OF 147TH ST. AND ALBANY AVE.

BM 222 ELEVATION = 610.5156 FEET
SET CROSS CUT ON BUTTON BOLT OF FIRE HYDRANT LOCATED AT NORTHEAST CORNER OF 147TH ST. AND KEDZIE AVE. (CITGO GAS STATION).

BM 223 ELEVATION = 608.5604 FEET
SET SQUARE CUT ON SIDEWALK DIRECTLY IN FRONT OF SILVER FLASH RESTAURANT ON EAST SIDE OF KEDZIE AVE. JUST NORTH OF 146TH ST.

BM 224 ELEVATION = 608.0252 FEET
SET SQUARE CUT ON CONCRETE BASE OF RADAY LODGE SIGN LOCATED AT NORTHWEST CORNER OF 145TH AND KEDZIE AVE.

BM 225 ELEVATION = 609.9093 FEET
SET WEST SIDE OF KEDZIE AVE. JUST NORTH OF 143RD ST. A SCROSS CUT (FOUND) ON BOTTOM STEP OF CONCRETE WALL.

BM 226 ELEVATION = 609.9632 FEET
SET WEST SIDE OF KEDZIE JUST SOUTH OF 149TH ST. A MAG NAIL IN TOP OF WOOD POST 11TH SOUTH. ADJACENT TO MARKHAM, IL SIGN.

BM 227 ELEVATION = 609.9784 FEET
SET AT A FIRE HYDRANT LOCATED AT THE NORTHEAST CORNER OF KEDZIE AVE. AND 151ST ST. WITH A CROSS CUT ON THE NORTHWESTERLY BOLT.

BM 228 ELEVATION = 610.9903 FEET
SET A CROSS CUT ON MANHOLE RIM LOCATED AT SOUTHEAST CORNER OF KEDZIE AVE. AND 153RD ST. ADJACENT TO FIRE HYDRANT.

BM 229 ELEVATION = 633.8194 FEET
SET AT KEDZIE AVE./I-57 BRIDGE, SOUTHEAST CORNER HEADWALL. A SQUARE CUT. ASSUMING I-57 ACTUALLY RUNNING TRUE NORTH AND SOUTH.

BM 230 ELEVATION = 610.2070 FEET
SET A SQUARE CUT ON NORTHEAST CORNER OF TRAFFIC SIGNAL HANDHOLE LOCATED AT NORTHWEST CORNER OF KEDZIE AVE. AND 155TH ST.

BM 231 ELEVATION = 614.6237 FEET
SET A SQUARE CUT ON SOUTHWEST CORNER CONCRETE BASE FOR WALGREENS SIGN. LOCATED AT THE NORTHEAST CORNER OF KEDZIE AVE. AND 159TH ST.

BM 232 ELEVATION = 616.7152 FEET
EAST-NORTHEAST BOLT OF FIRE HYDRANT LOCATED AT THE NORTHWEST CORNER OF 159TH ST. AND SPAULDING AVE. (SOUTH EAST CORNER OF PIXEL 3300 159TH ST.)

BM 233 ELEVATION = 617.6476 FEET
SET AT NORTH FACE OF LIGHT POST. A SQUARE CUT ON CONCRETE BASE IN FRONT OF ECONOMY TRANSPORTATION AND REPAIR AT NORTHWEST CORNER OF 159TH ST. AND HOMAN AVE.

BM 234 ELEVATION = 621.0995 FEET
SET AT NORTH FACE OF LIGHT POST. A SQUARE CUT ON CONCRETE BASE IN FRONT OF HARVEY HEALTH CENTER PHARMACY AT NORTHWEST CORNER OF 159TH AND CLIFTON.

BM 235 ELEVATION = 622.0070 FEET
SET A CROSS CUT IN NORTHWEST BOLT OF FIRST LIGHT POST NORTH OF 159TH ST BRIDGE. ASSUMING I-57 IS RUNNING NORTH AND SOUTH (NEXT TO EXIT RAMP).

BM 236 ELEVATION = 638.9617 FEET
SET A SQUARE CUT ON CONCRETE BASE OF SIGN JUST SOUTH OF MILE MARKER 347.63 AND JUST NORTH OF PULASKI AVE./CRAWFORD AVE. BRIDGE.

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED -
		DRAWN - CAC	REVISED -
	PLOT SCALE =	CHECKED - JDF	REVISED -
	PLOT DATE =	DATE - 5/23/2012	REVISED -

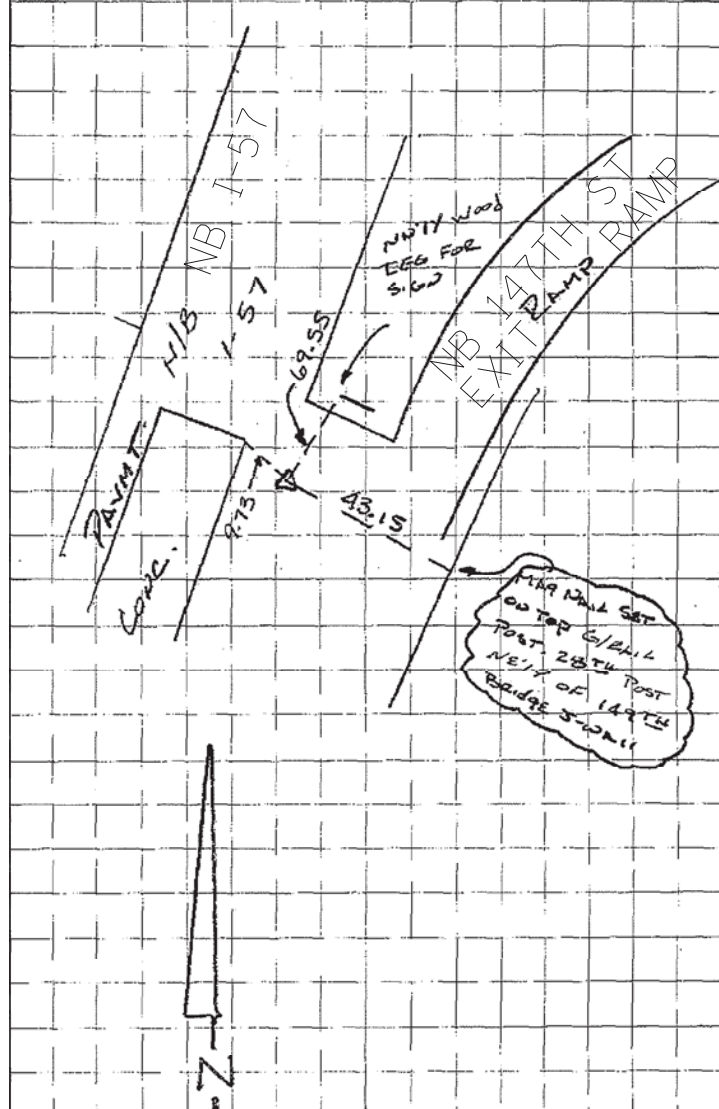
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
BENCHMARK DESCRIPTIONS**

SCALE: 1"=200' SHEET NO. 6 OF 10 SHEETS STA. TO STA.

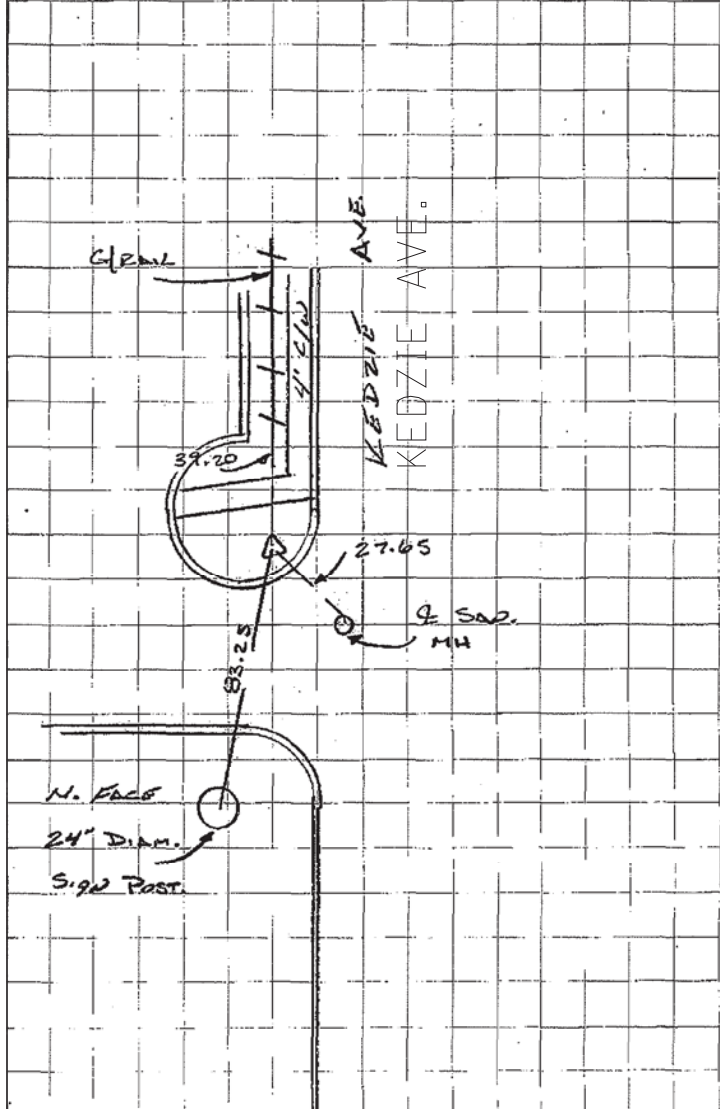
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	21
			CONTRACT NO.	60M57
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

C.P. 101
 N: 1805571.385
 E: 1162333.689
 EL: 621.60



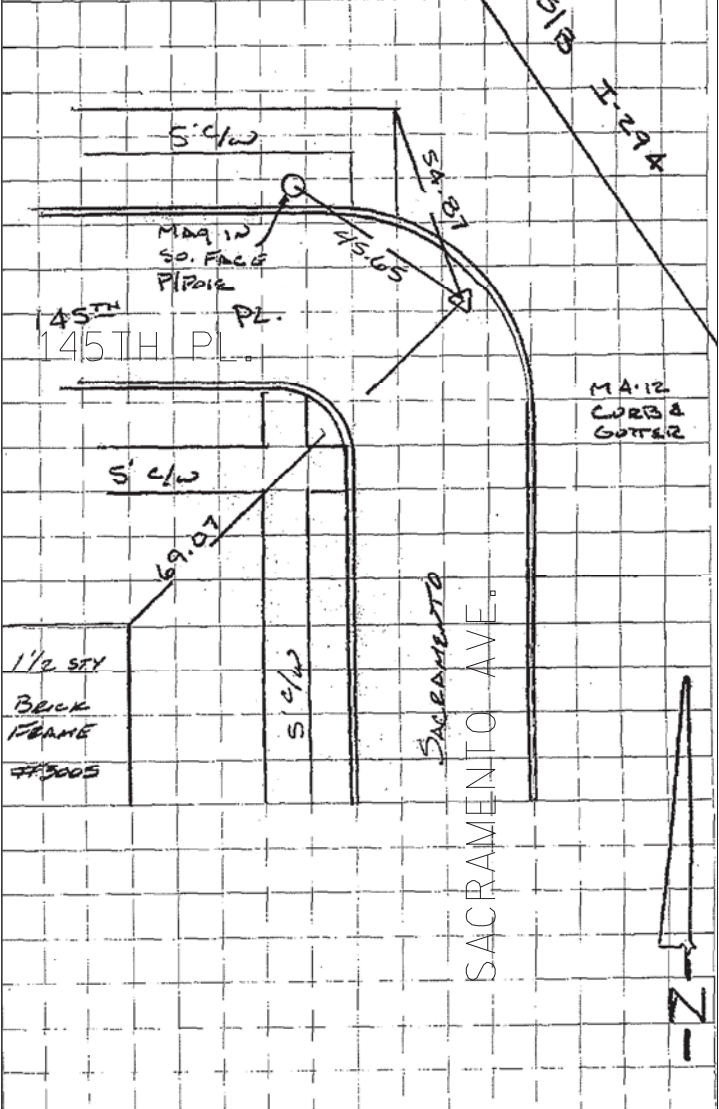
NORTHBOUND I-57 147TH STREET EXIT RAMP

C.P. 104
 N: 1809617.467
 E: 1157726.712
 EL: 607.37



SET 5/8" IRON ROD 3.42 NORTHWEST OF BACK OF CURB AT NORTHWEST CORNER OF KEDZIE AVE. AND 143RD ST.

C.P. 106
 N: 1807822.459
 E: 1159167.267
 EL: 604.62



SET MAG NAIL AT 145TH PLACE AND SACRAMENTO AVENUE.

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	PLOT SCALE =	DRAWN - CAC	REVISED -
	PLOT DATE =	CHECKED - JDF	REVISED -
		DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

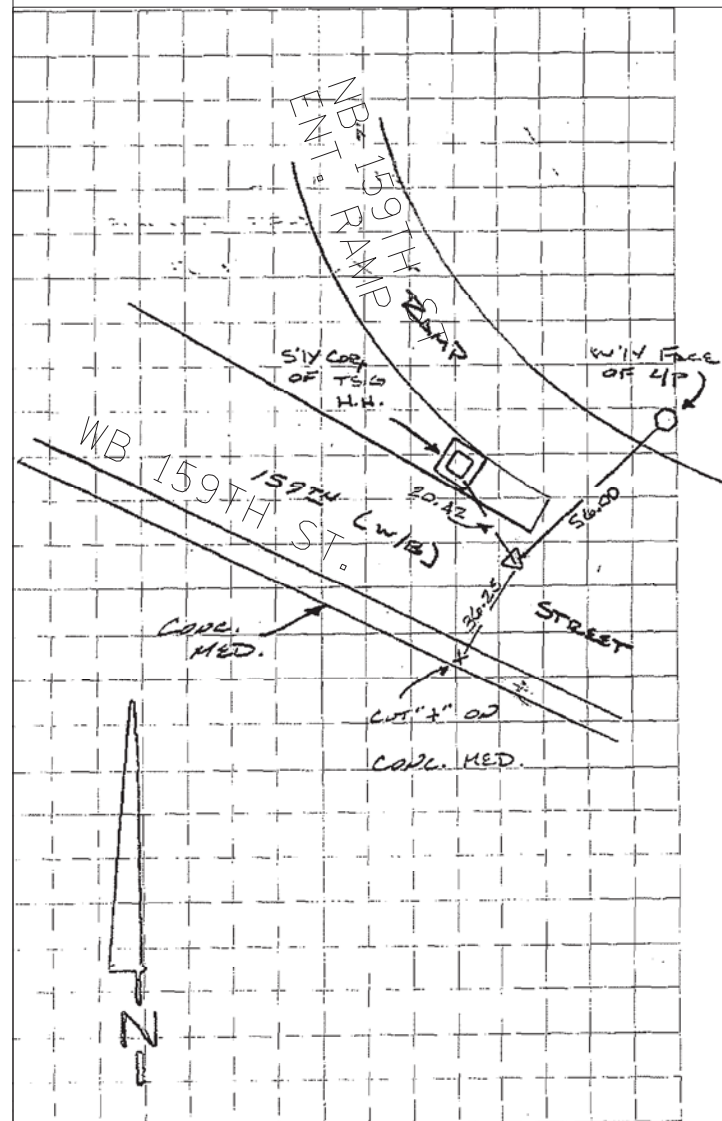
147TH STREET PROJECT
 SURVEY TIES FOR CONTROL POINTS

SCALE: N.T.S. SHEET NO. 7 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	22
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

C.P. 107

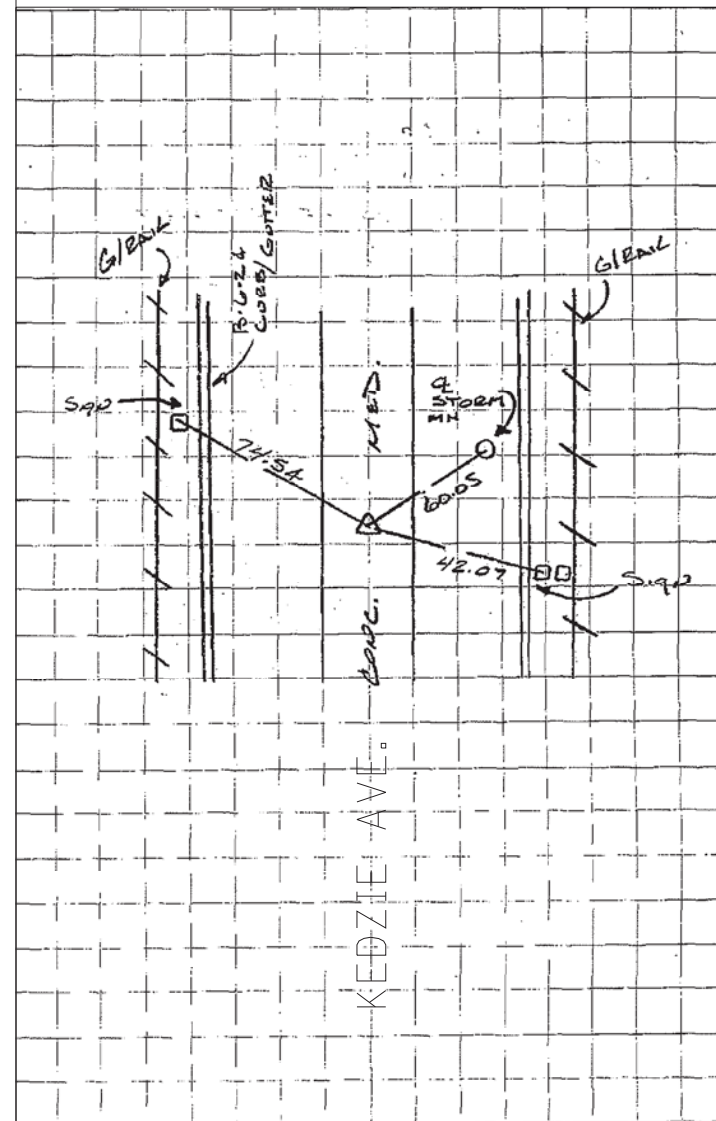
N: 1798223.631
E: 1154694.288
EL: 642.42



SET MAG NAIL IN NORTHERLY SHOULDER OF WESTBOUND 159TH ST. AND SOUTHBOUND I-57 TRIMUS ± 200' WESTERLY OF C 1-57

C.P. 108

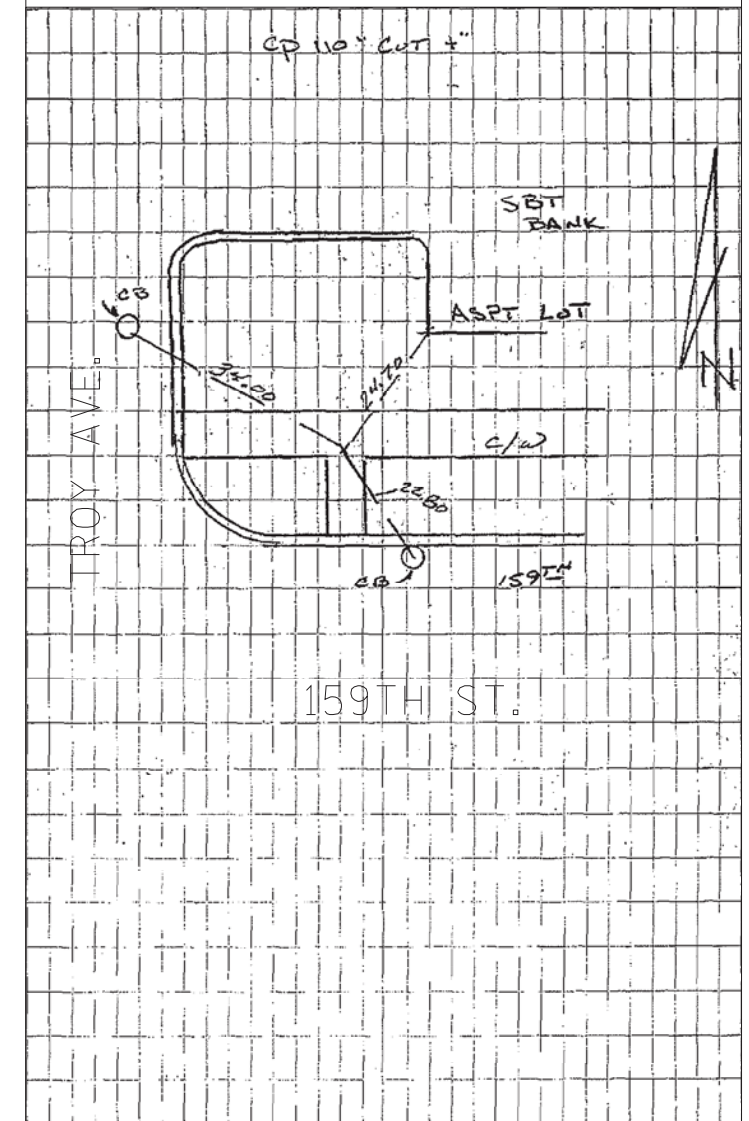
N: 1802043.097
E: 1158197.713
EL: 622.98



SET CROSS CUT IN CONCRETE MEDIAN WITH RUMBLE STRIPS ± C KEDZIE AVE. ± 350' NORTH OF KEDZIE / I-57 BRIDGE C

C.P. 110

N: 1797816.133
E: 1159306.209
EL: 614.04



CROSS CUT IN SIDEWALK AT NORTH EAST CORNER OF TROY AVENUE AND 159TH STREET.

TYLIN INTERNATIONAL

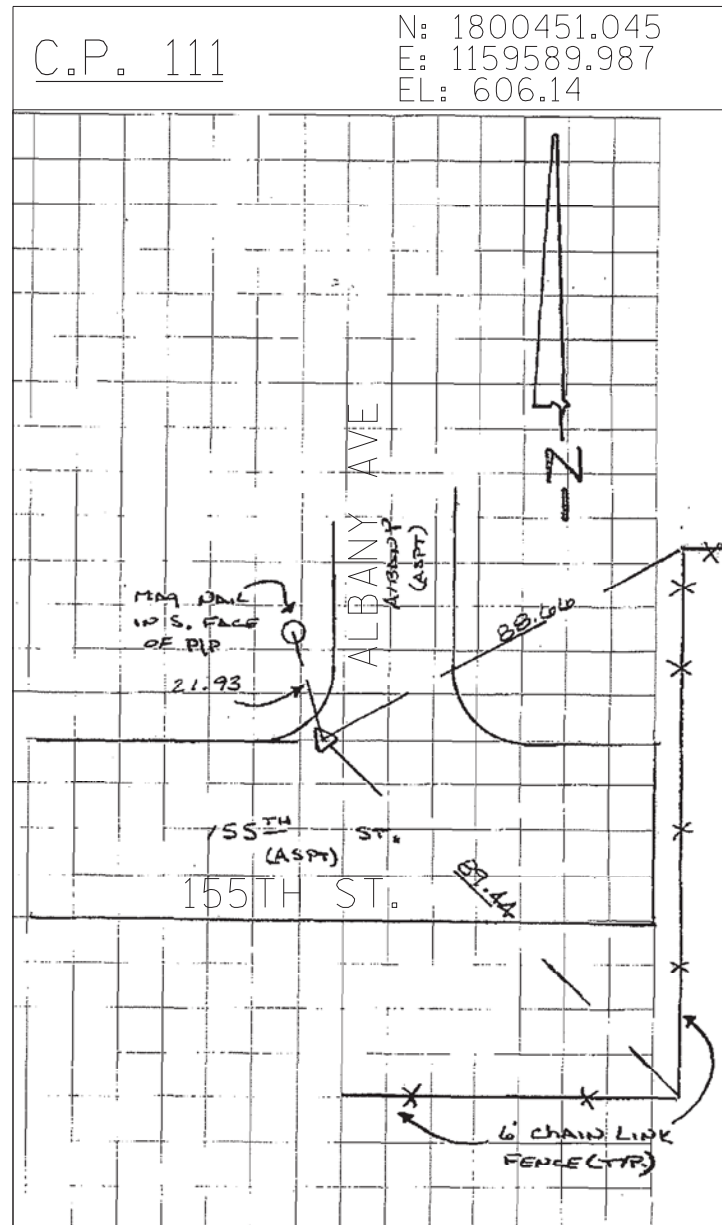
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PLOT SCALE =	DRAWN - CAC	REVISED -
PLOT DATE =	CHECKED - JDF	REVISED -
	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

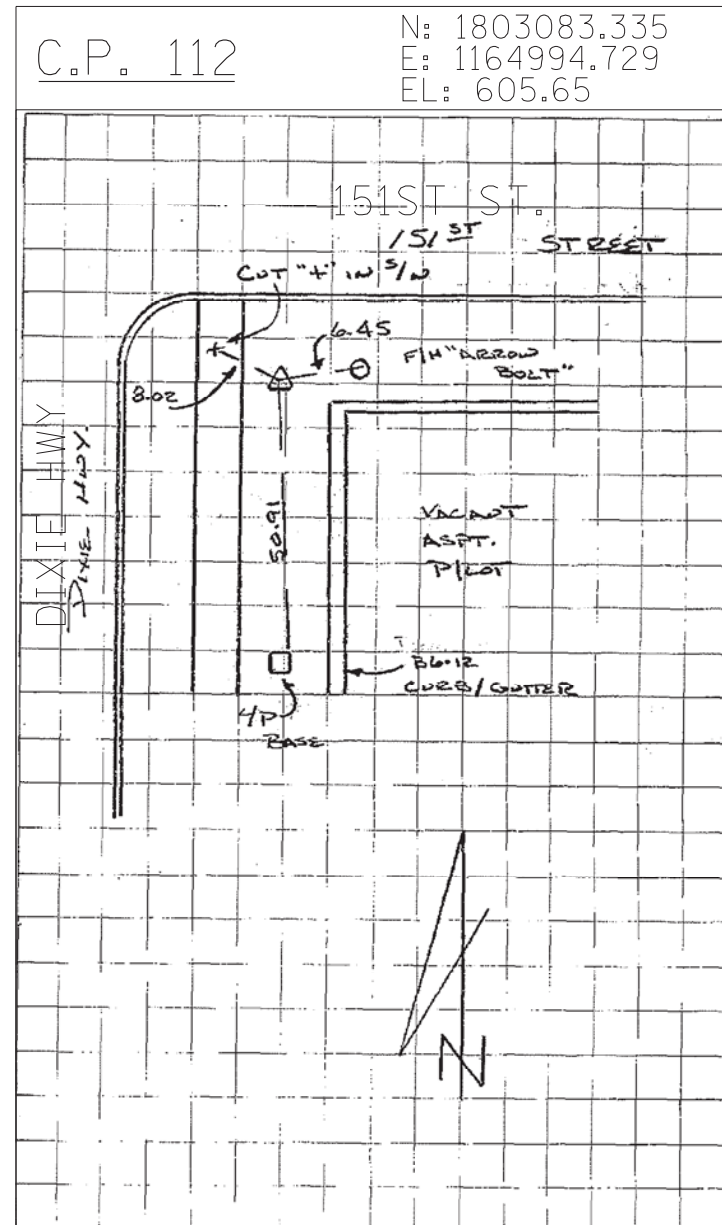
147TH STREET PROJECT
SURVEY TIES FOR CONTROL POINTS

SCALE: N.T.S. SHEET NO. 8 OF 10 SHEETS STA. TO STA.

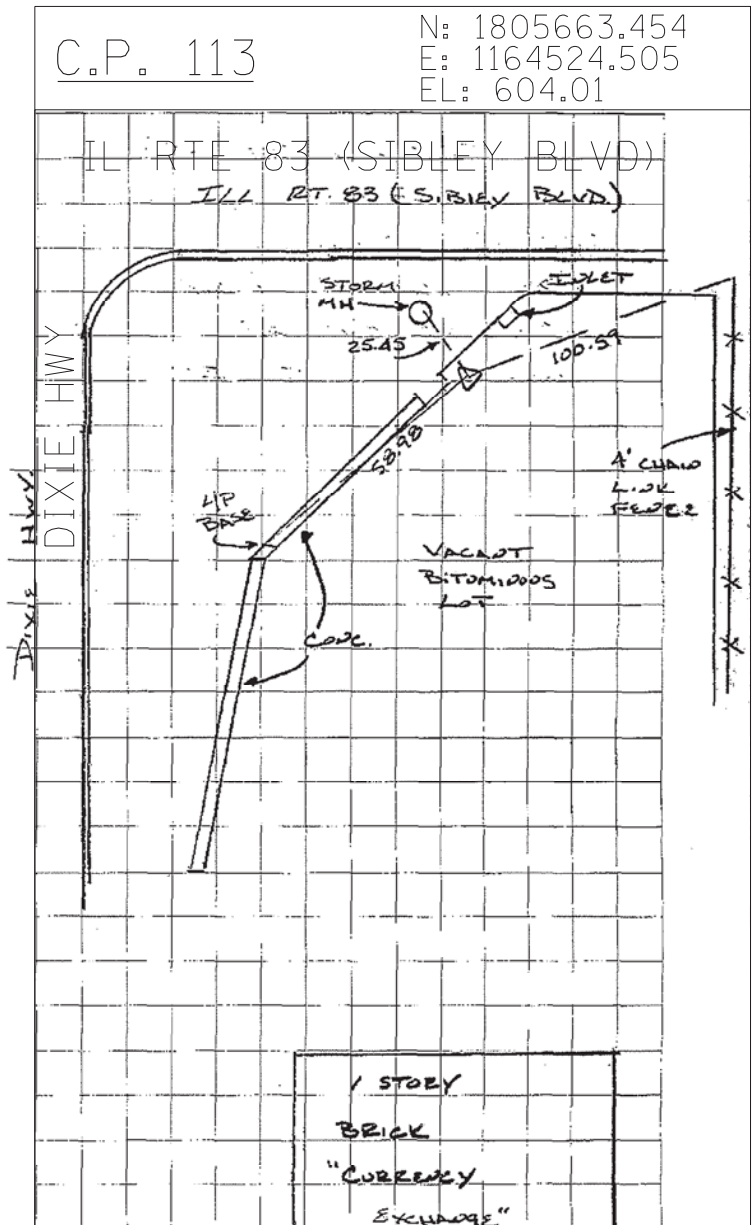
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	23
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	



FOUND MAG NAIL AT THE INTERSECTION OF 155TH STREET AND ALBANY AVENUE.



SET 5/8 " IRON ROD AT SOUTHWEST CORNER OF DIXIE HWY. AND 151ST ST.



SET MAG NAIL 2.60' SOUTH OF NORTHERLY EDGE OF PAVEMENT OF VACANT LOT AT SOUTHEAST CORNER OF DIXIE BLVD. AND IL ROUTE 83 (SIBLEY BLVD.)

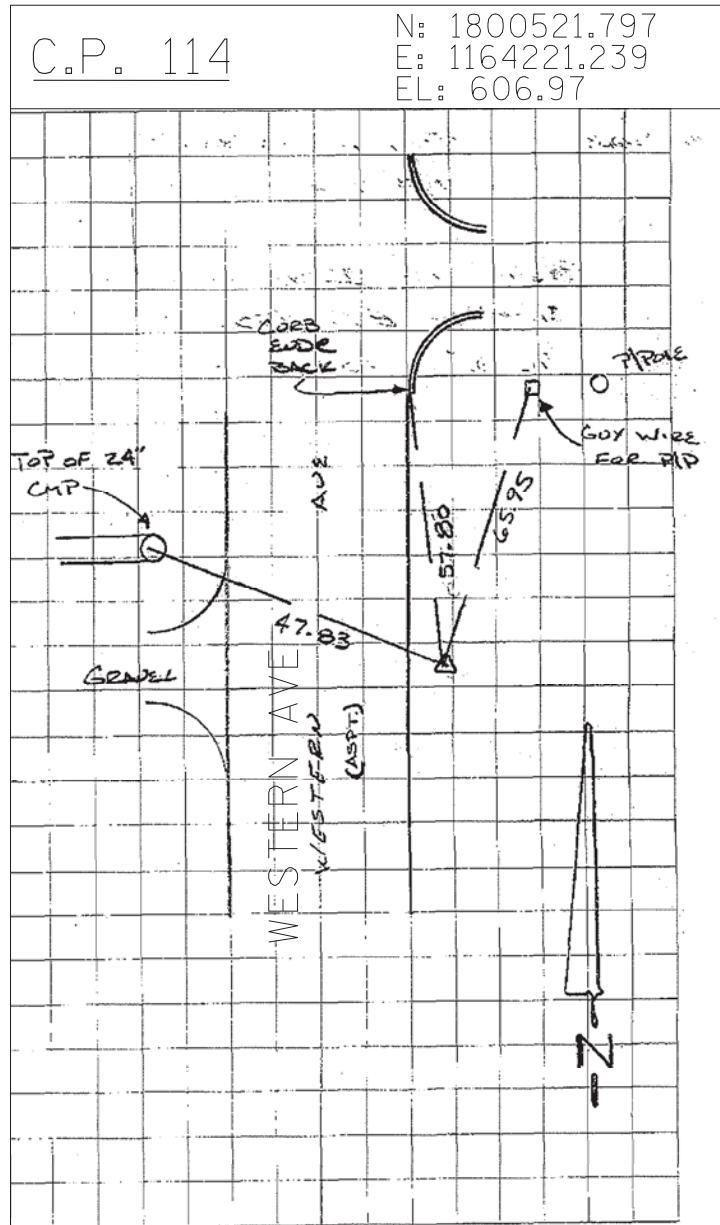
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - CAC	REVISED -
	PLOT SCALE =	DRAWN - CAC	REVISED -
	PLOT DATE =	CHECKED - JDF	REVISED -
		DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

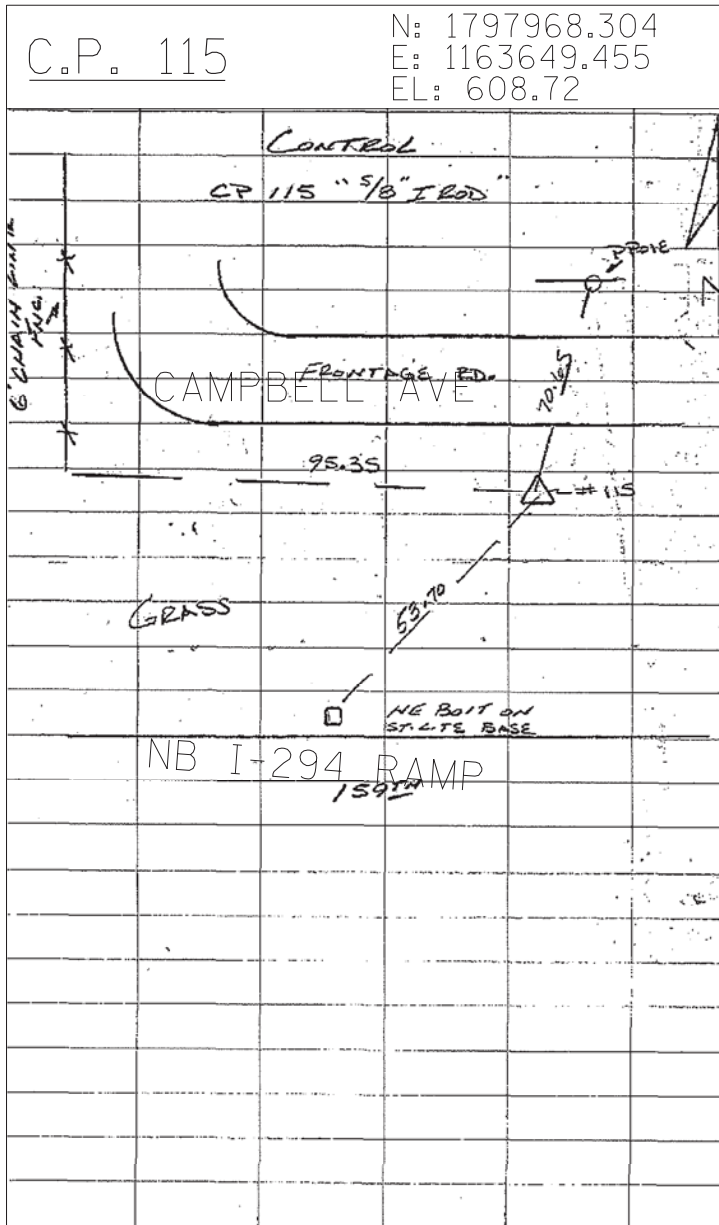
147TH STREET PROJECT
SURVEY TIES FOR CONTROL POINTS

SCALE: N.T.S. SHEET NO. 9 OF 10 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	24
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



SET 5/8" IRON ROD 4.50' EAST OF EASTERLY EDGE OF PAVEMENT
 ± 160' NORTH OF C 155TH ST.



5/8" IRON ROD ON SOUTH SIDE OF CAMPBELL AVENUE NORTH OF THE
 INTERSECTION OF 159TH STREET AND THE NORTHBOUND I-294 RAMP.

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - CAC	REVISED -
DRAWN - CAC	REVISED -	
PLOT SCALE =	CHECKED - JDF	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

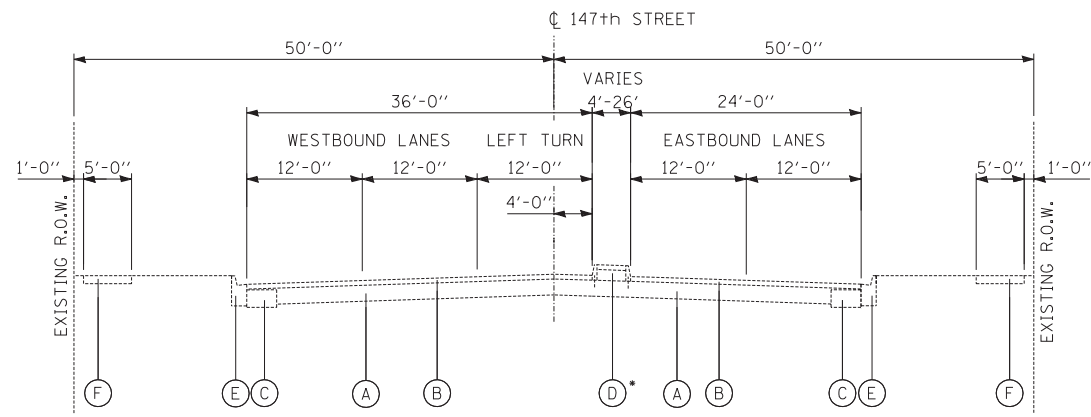
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
 SURVEY TIES FOR CONTROL POINTS**

SCALE: N.T.S. SHEET NO. 10 OF 10 SHEETS STA. TO STA.

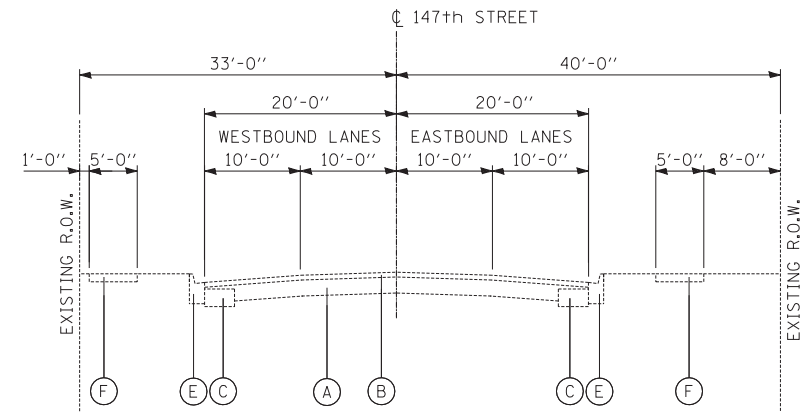
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	25
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 60M57

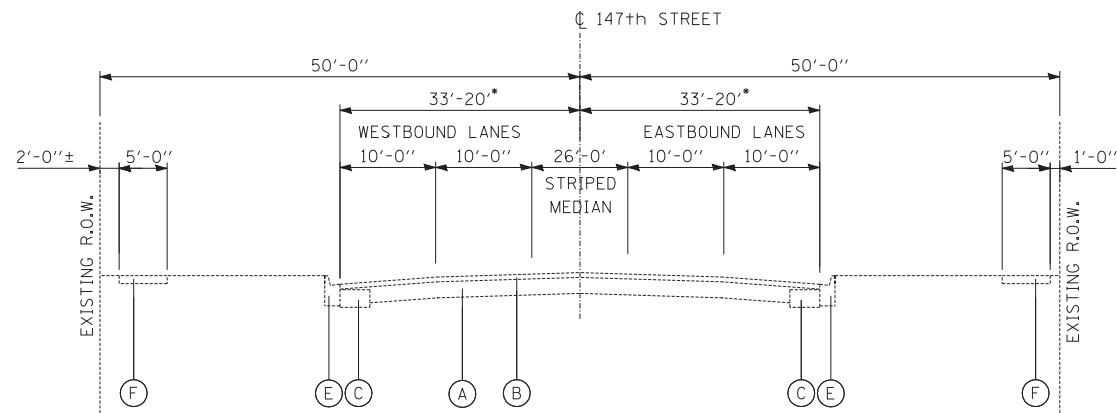


147TH STREET
KEDZIE AVE TO TROY STREET
STA. 1007+36± TO STA. 1009+94±

• STRIPED MEDIAN STA. 1008+98± TO STA. 1009+94±

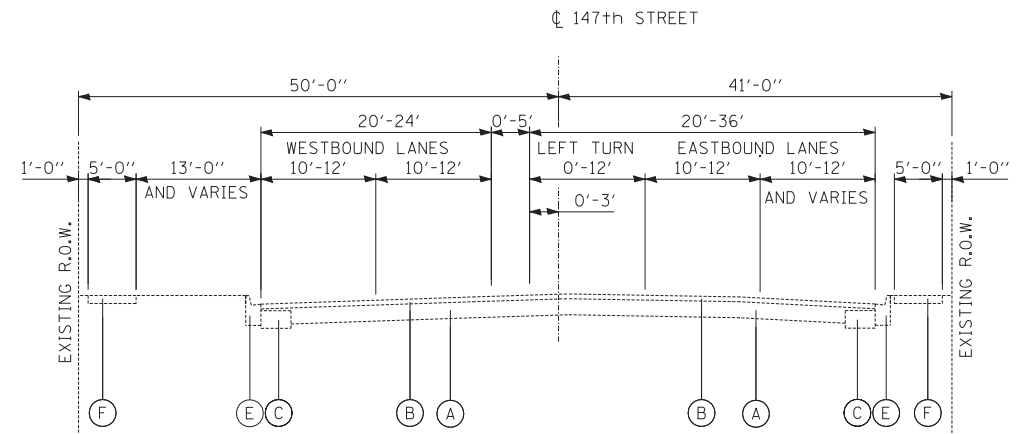


147TH STREET
I-294 BRIDGE TO CALIFORNIA AVE
STA. 1026+22± TO STA. 1033+21±

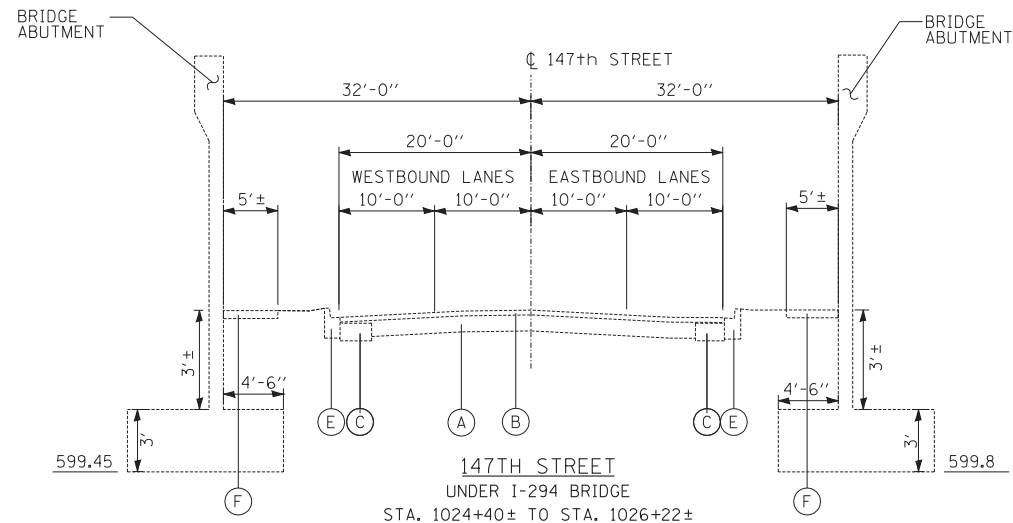


147TH STREET
TROY AVE TO RICHMOND AVE/ I-294 BRIDGE
STA. 1009+94± TO STA. 1013+26±

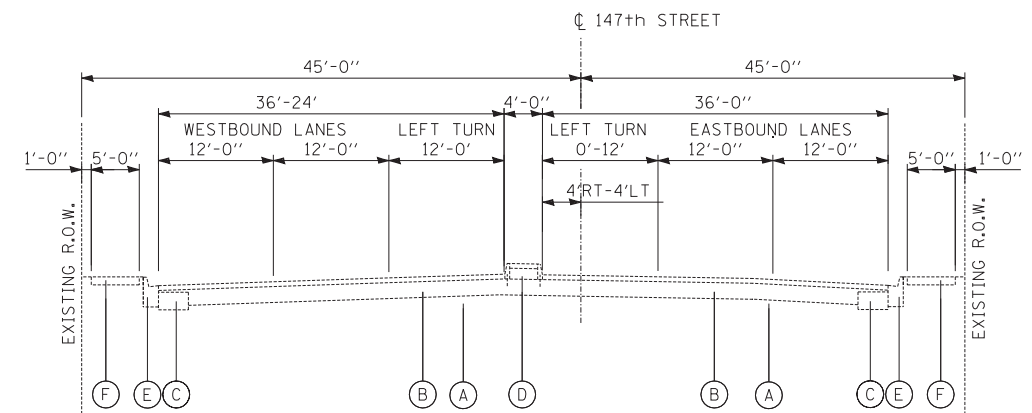
• ROAD WIDTH TRANSITIONS
66' TO 40' FROM STA. 1010+36± TO STA. 1012+87±



147TH STREET
CALIFORNIA AVE TO HARRISON AVE
STA. 1033+21± TO STA. 1036+46±



147TH STREET
UNDER I-294 BRIDGE
STA. 1024+40± TO STA. 1026+22±



147TH STREET
HARRISON AVE TO CLEVELAND AVE
STA. 1036+46± TO STA. 1039+81±

LEGEND

- (A) EXISTING P.C. CONCRETE PAVEMENT, 10±
- (B) EXISTING HOT-MIX ASPHALT, VARIES 3" TO 6"±
- (C) EXISTING PCC BASE COURSE WIDENING, 9"±
- (D) EXISTING BARRIER MEDIAN
- (E) EXISTING CONCRETE CURB AND GUTTER
- (F) EXISTING P.C. CONCRETE SIDEWALK, 5"
- (G) EXISTING STABILIZED SUB-BASE, 4"±
- (H) EXISTING AGGREGATE SHOULDER, TYPE B

TYLIN INTERNATIONAL

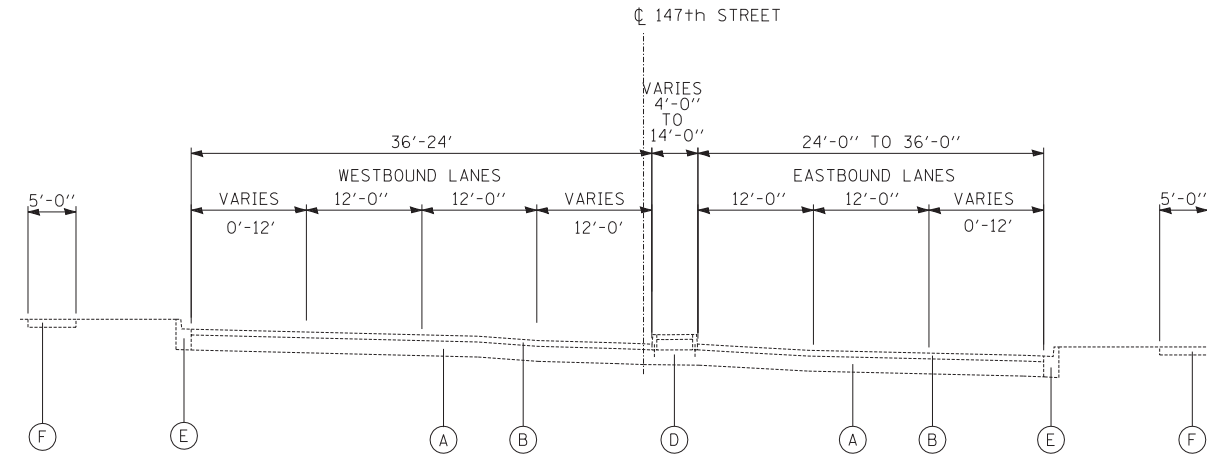
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

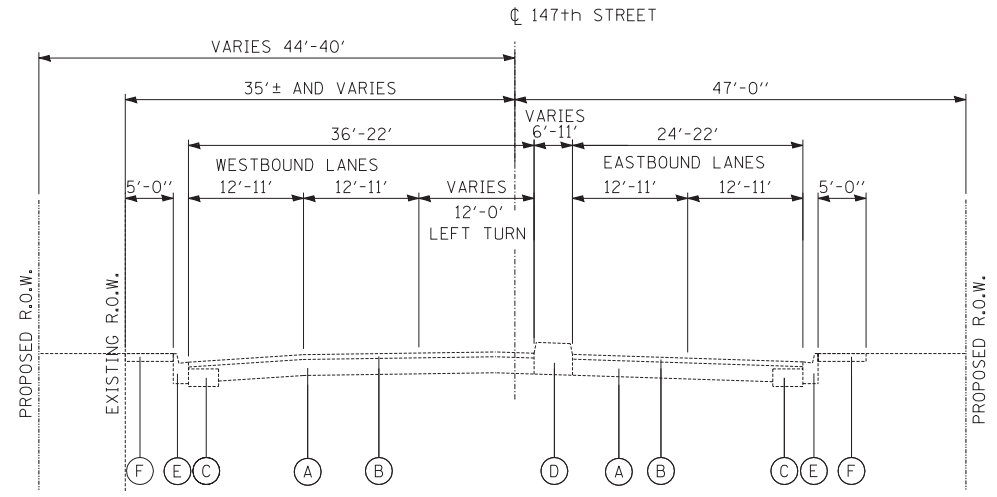
147TH STREET PROJECT
EXISTING TYPICAL SECTIONS

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	26
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

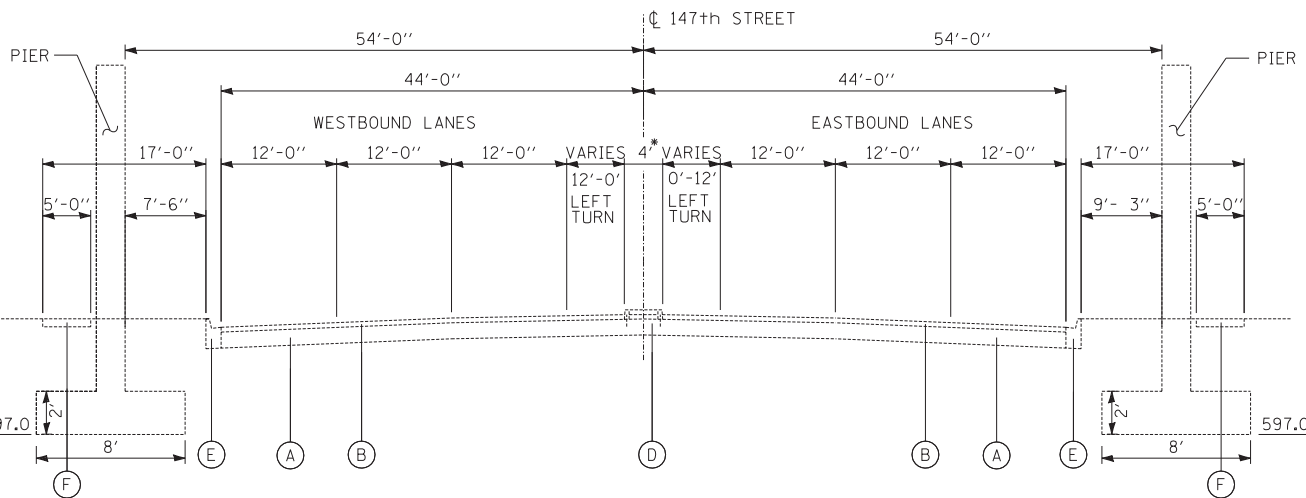


147TH STREET
CLEVELAND TO RAMP E/F1
STA. 1039+81± TO STA. 1055+76±



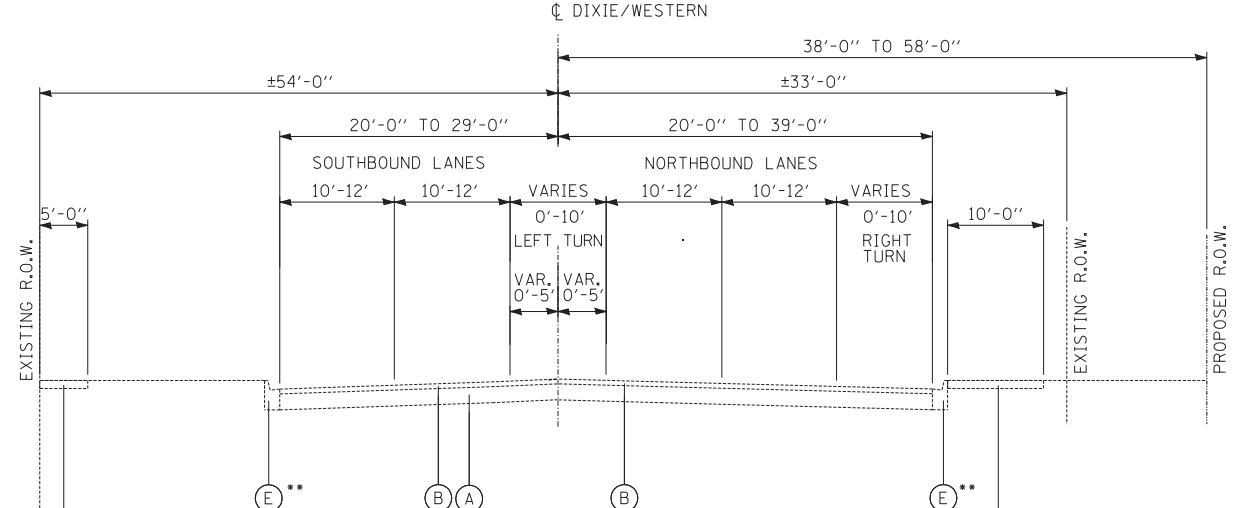
147TH STREET
DIXIE/WESTERN TO END OF PROJECT
STA. 1075+00± TO STA. 1080+00±

- LEGEND**
- (A) EXISTING P.C. CONCRETE PAVEMENT, 10"±
 - (B) EXISTING HOT-MIX ASPHALT, VARIES 3" TO 6"±
 - (C) EXISTING BITUMINOUS BASE COURSE, 11"±
 - (D) EXISTING BARRIER MEDIAN
 - (E) EXISTING CONCRETE CURB AND GUTTER
 - (F) EXISTING P.C. CONCRETE SIDEWALK, 5"
 - (G) EXISTING STABILIZED SUB-BASE, 4"±
 - (H) EXISTING AGGREGATE SHOULDER, TYPE B

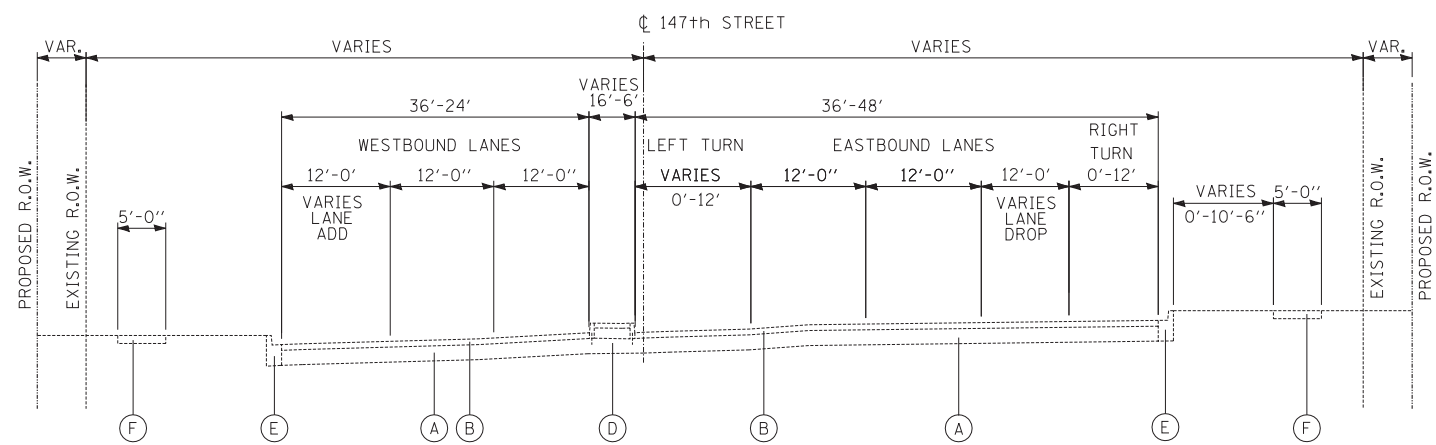


147TH STREET
AT I-57 BRIDGE
STA. 1055+76± TO STA. 1062+85±

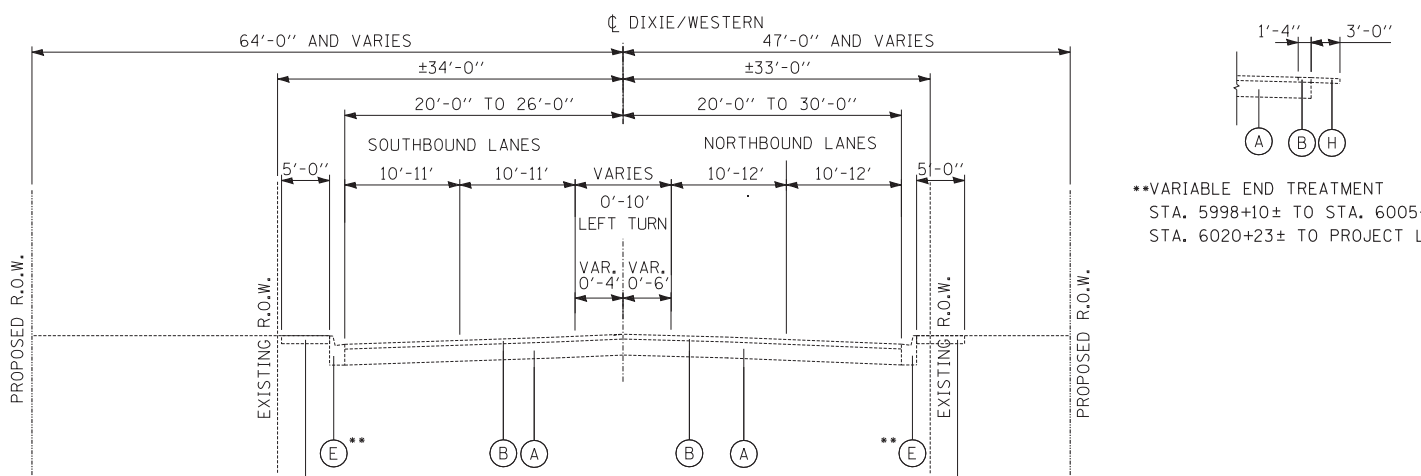
* MEDIAN TRANSITIONS FROM
4' RT OF CL TO 4' LT OF CL



DIXIE HIGHWAY
SOUTH OF 147TH STREET
STA. 5998+10± TO STA. 6012+00±



147TH STREET
RAMP J/K TO DIXIE/WESTERN
STA. 1062+85± TO STA. 1075+00±



WESTERN AVENUE
NORTH OF 147TH STREET
STA. 6012+00± TO STA. 6024+60±

**VARIABLE END TREATMENT
STA. 5998+10± TO STA. 6005+50±
STA. 6020+23± TO PROJECT LIMIT

TYLIN INTERNATIONAL

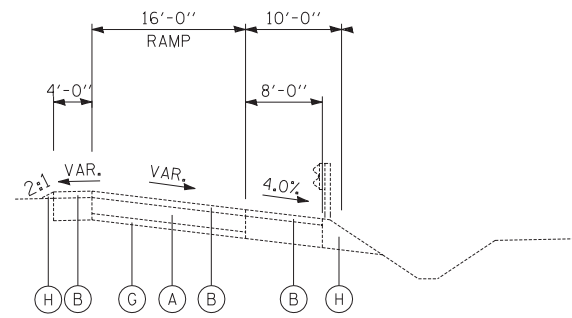
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PLOT SCALE =	DRAWN - DM	REVISED -
PLOT DATE =	CHECKED - JPM	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

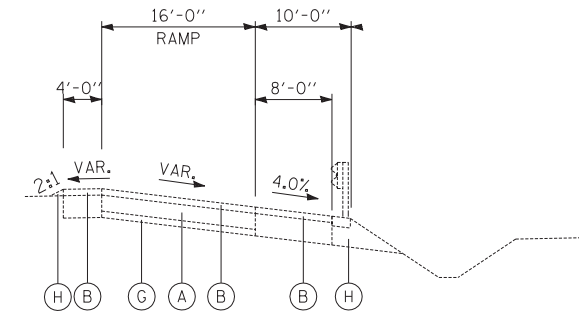
**147TH STREET PROJECT
EXISTING TYPICAL SECTIONS**

SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.

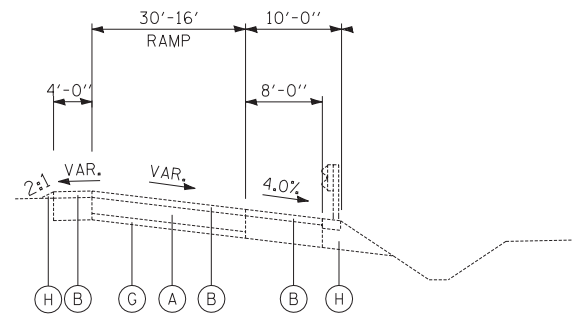
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	27
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



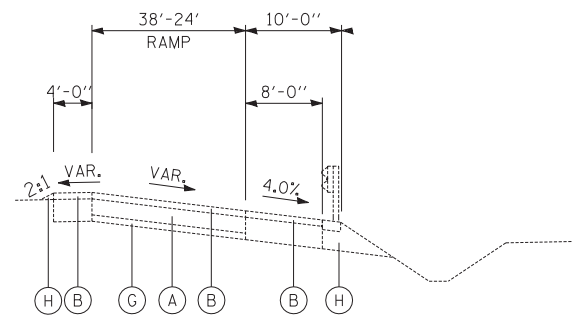
RAMP J
I-57 NB EXIT RAMP TO 147TH ST.



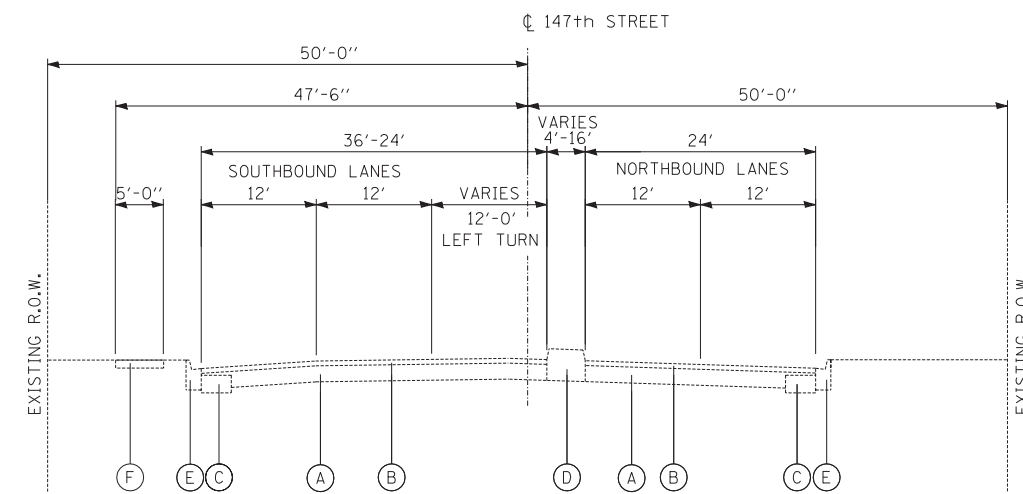
RAMP E
I-57 SB EXIT RAMP TO 147TH ST.



RAMP F1
I-57 SB ENTRANCE RAMP FROM 147TH ST.



RAMP K
I-57 NB ENTRANCE RAMP FROM 147TH ST.

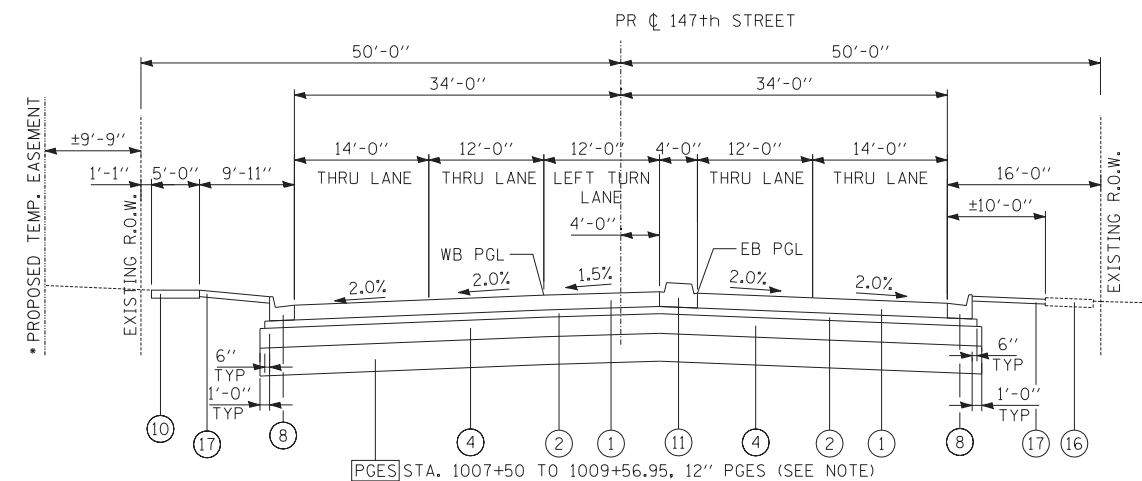


KEDZIE AVENUE
147TH STREET TO END OF PROJECT
STA. 5013+00± TO STA. 5020+75±

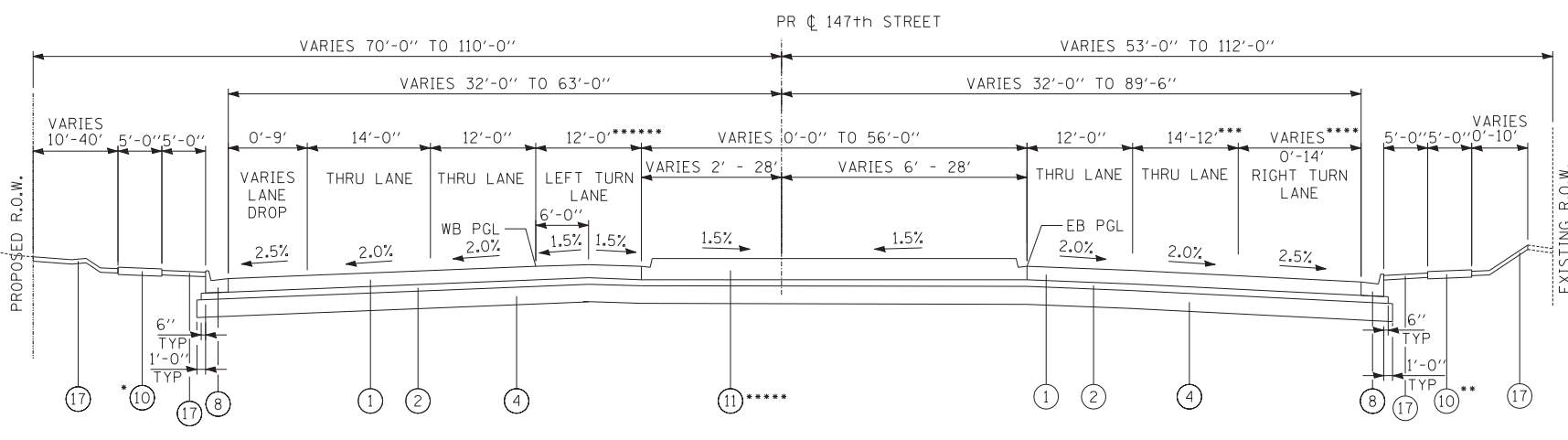
LEGEND

- (A) EXISTING P.C. CONCRETE PAVEMENT, 10±
- (B) EXISTING HOT-MIX ASPHALT, VARIES 3" TO 6"±
- (C) EXISTING BITUMINOUS BASE COURSE, 11"±
- (D) EXISTING BARRIER MEDIAN
- (E) EXISTING CONCRETE CURB AND GUTTER
- (F) EXISTING P.C. CONCRETE SIDEWALK, 5"
- (G) EXISTING STABILIZED SUB-BASE, 4"±
- (H) EXISTING AGGREGATE SHOULDER, TYPE B

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT EXISTING TYPICAL SECTIONS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - DM	REVISED -		XX	(0405-1 & 0506-2) R-1	COOK	577	28			
	PLOT DATE =	CHECKED - JPM	REVISED -		SCALE: NTS			SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.	
		DATE - 5/23/2012	REVISED -					FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60M57

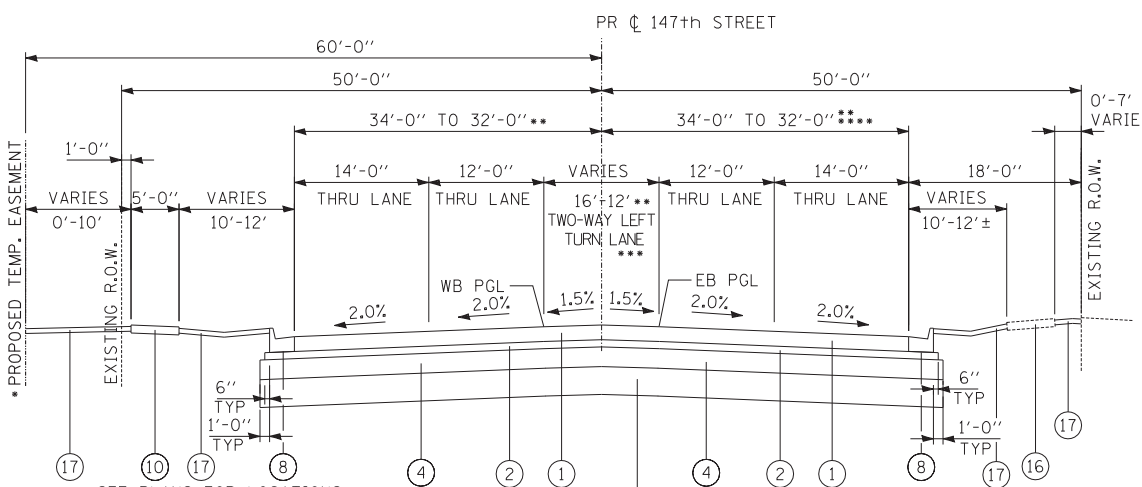


PGES STA. 1007+50 TO 1009+56.95, 12" PGES (SEE NOTE)
 * STA. 1007+48.28 TO STA. 1008+40.69
147TH STREET
 KEDZIE AVE TO TROY AVE
 STA. 1005+73.65 TO STA. 1009+56.95

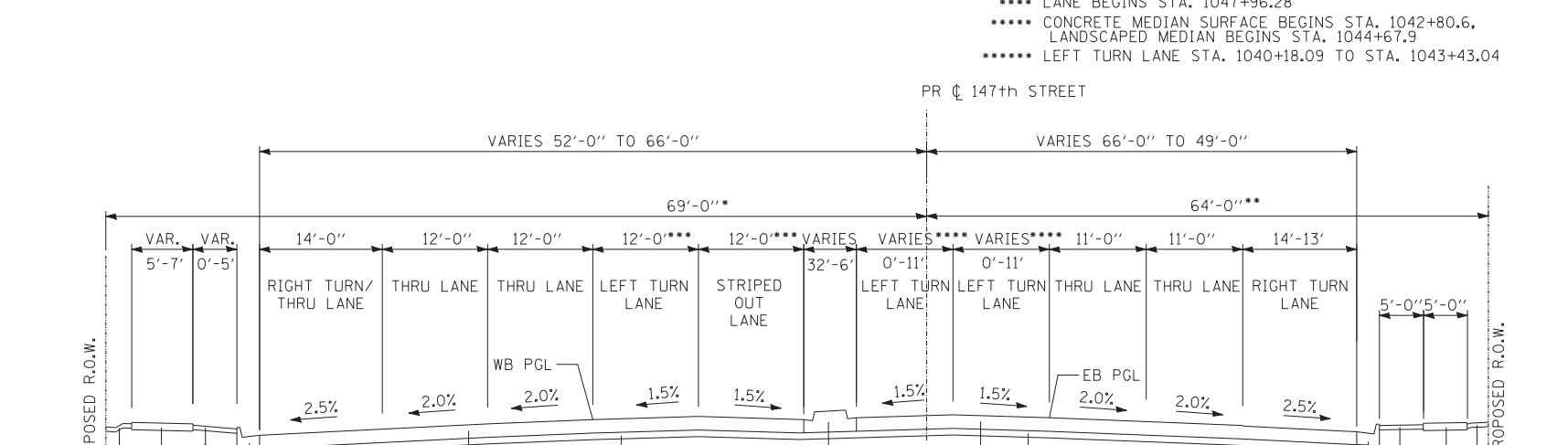


147TH STREET
 EAST OF CLEVELAND TO I-57 RAMPS
 STA. 1040+23.04 TO STA. 1056+13±

- * PROPOSED SIDEWALK BETWEEN STA. 1045+94.52 TO STA. 1054+97.83
- ** PROPOSED SIDEWALK BETWEEN STA. 1046+52.05 TO STA. 1054+97.83
- *** LANE TAPERS 14'-12' STA. 1047+76.28 TO STA. 1049+75.57
- **** LANE BEGINS STA. 1047+96.28
- ***** CONCRETE MEDIAN SURFACE BEGINS STA. 1042+80.6, LANDSCAPED MEDIAN BEGINS STA. 1044+67.9
- ***** LEFT TURN LANE STA. 1040+18.09 TO STA. 1043+43.04

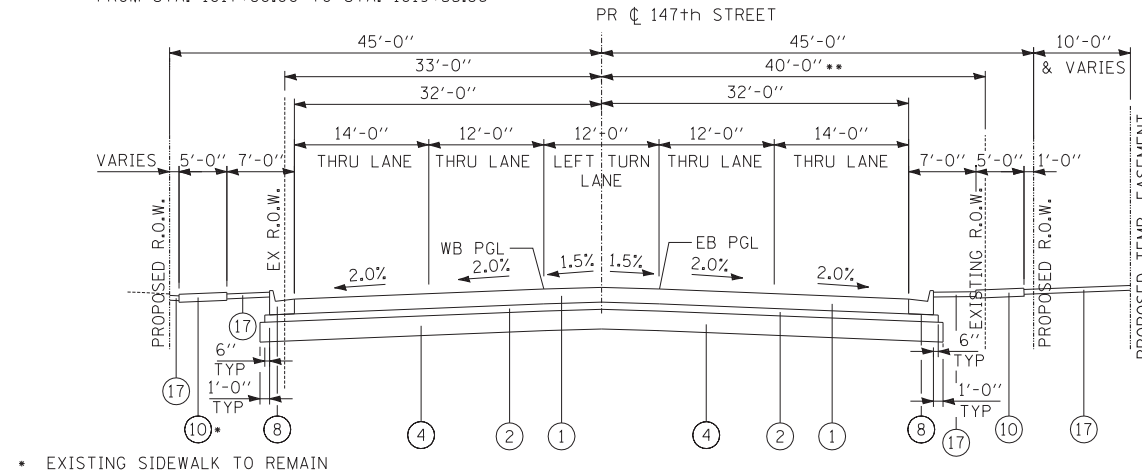


PGES STA. 1009+56.95 TO 1011+00 AND 1013+50 TO 1019+58, 12" PGES (SEE NOTE)
 * SEE PLANS FOR LOCATIONS
 ** ROAD WIDTH TAPERS STA. 1011+00.00 TO STA. 1011+80.00
 *** LT LANE VARIES 12' - 2'-9"± STA. 1016+94.13 TO STA. 1019+55.20 STRIPED MEDIAN VARIES 0' - 13'-9"± STA. 1009+56.95 TO STA. 1019+75.37 STA. 1018+41.14 TO 1019+55.87
 **** ROAD WIDTH VARIES 32' - 36'-6"± FROM STA. 1017+80.00 TO STA. 1019+55.86



147TH STREET
 I-57 RAMPS TO DIXIE/WESTERN
 STA. 1062+59± TO STA. 1074+32±

- * STA. 1070+73.71 TO STA. 1073+60.03
- ** STA. 1070+39.99 TO STA. 1074+14.2
- *** WB LEFT TURN LANE VARIES 12' TO 0' STA. 1065+57.13 TO STA. 1068+57.34 AND STRIPED OUT LANE VARIES 0' TO 12' STA. 1065+57.13 TO STA. 1068+57.34
- **** LEFT TURN LANES BEGIN STA. 1068+10.60



147TH STREET
 MOZART AVE TO CLEVELAND AVE
 STA. 1030+04.24 TO STA. 1040+23.04

- * EXISTING SIDEWALK TO REMAIN STA. 1033+59.33 TO STA. 1036+13.47
- ** EX ROW TAPERS 40' - 45' STA. 1034+84.28 TO 1036+14.50

LEGEND (PCC ALTERNATE)

- ① PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4" (JOINTED)
- ② PROPOSED STABILIZED SUBBASE- HOT-MIX ASPHALT, 4 1/2"
- ③ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
- ④ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, 1L-19.0, N90
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90
- ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑨ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑩ PROPOSED CONCRETE CEMENT SIDEWALK, 5"
- ⑪ PROPOSED MEDIAN (SEE PLANS)
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS, 11"
- ⑬ SUBBASE GRANULAR MATERIAL, TYPE C
- ⑭ AGGREGATE SHOULDERS, TYPE B
- ⑮ STEEL PLATE BEAM GUARDRAIL (SEE PROPOSED PLANS FOR LIMITS)
- ⑯ EXISTING P.C. SIDEWALK, 5" (TO REMAIN)
- ⑰ TOPSOIL (SEE LANDSCAPING PLANS)

NOTES:

1. FOR MEDIAN REPLACEMENT FROM STA. 1004+21.14 TO STA. 1005+73.65 SEE PROPOSED TYPICAL SECTIONS SHEET 4 OF 4
2. FOR 147TH STREET TYPICAL SECTION FROM STA. 1056+13± TO STA. 1062+59± (AT I-57 BRIDGE) SEE SHEET 4 OF 4
3. 147TH STREET PGES PROVISION LIMITS: STA. 1007+50 TO 1011+00, 1013+50 TO 1019+50, 12" PGES
4. THE MAXIMUM CROSS SLOPE FOR SIDEWALKS IS 2% PER THE BUREAU OF DESIGN & ENVIRONMENT MANUAL SECTION 58-1.06.

PGES SEE NOTE 2 ON TYPICAL SECTIONS SHEET 4 OF 4

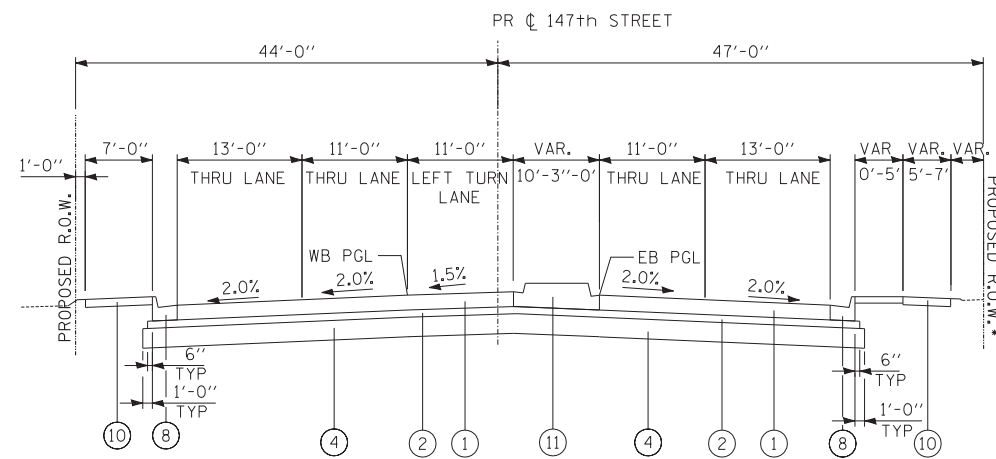
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -
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	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
PROPOSED TYPICAL SECTIONS (PCC ALTERNATE)

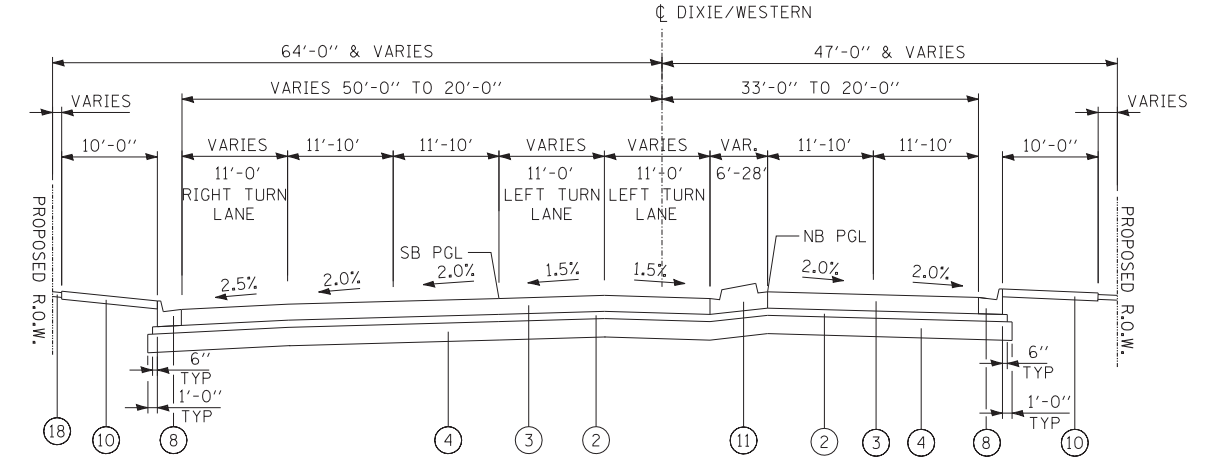
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	29
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

SCALE: NTS SHEET NO. 1P OF 4 SHEETS STA. TO STA.

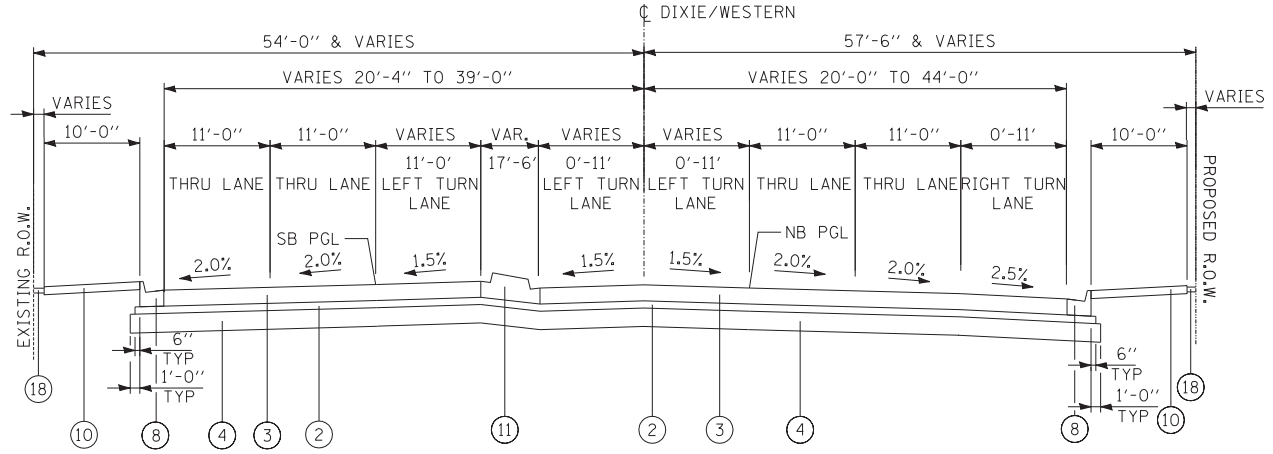


147TH STREET
DIXIE/WESTERN TO PROJECT LIMIT
STA. 1075+80.22 TO STA. 1079+99.63

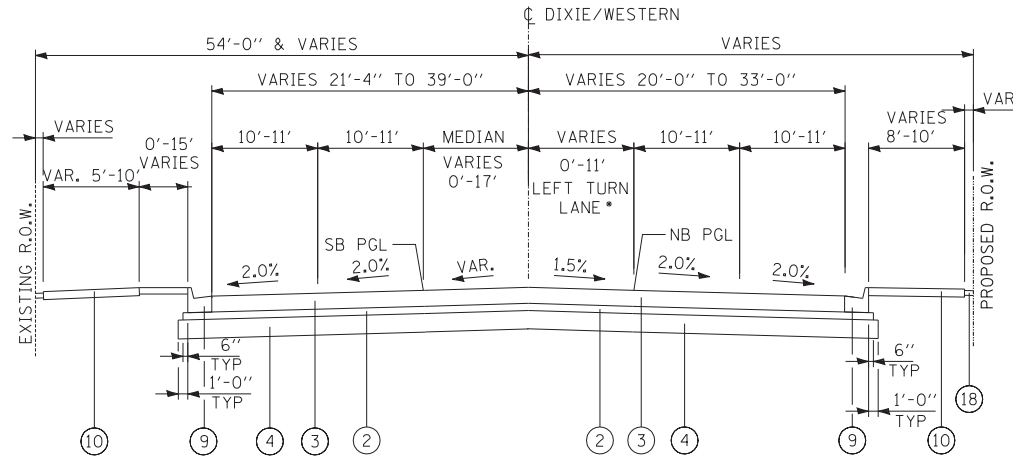
• STA. 1077+83.68 TO STA. 1079+19.56



WESTERN AVENUE
NORTH OF 147th STREET
STA. 6012+00.00 TO STA. 6027+50.00±



DIXIE HIGHWAY
SOUTH OF 147th STREET
STA. 6005+67.00 TO STA. 6012+00.00



DIXIE HIGHWAY
SOUTH OF 148TH STREET
STA. 5998+11.00 TO STA. 6005+67.00

• STA. 6001+99.97 TO STA. 6004+71.88

LEGEND (PCC ALTERNATE)

- ① PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9 1/4" (JOINTED)
- ② PROPOSED STABILIZED SUBBASE- HOT-MIX ASPHALT, 4 1/2"
- ③ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
- ④ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90
- ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑨ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑩ PROPOSED CONCRETE CEMENT SIDEWALK, 5"
- ⑪ PROPOSED MEDIAN (SEE PLANS)
- ⑫ PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS, 11"
- ⑬ SUBBASE GRANULAR MATERIAL, TYPE C
- ⑭ AGGREGATE SHOULDERS, TYPE B
- ⑮ STEEL PLATE BEAM GUARDRAIL (SEE PROPOSED PLANS FOR LIMITS)
- ⑯ PROPOSED SHOULDER RUMBLE STRIPS, 16"
- ⑰ EXISTING PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ⑱ TOPSOIL (SEE LANDSCAPING PLANS)

NOTES:

1. THE MAXIMUM CROSS SLOPE FOR SIDEWALKS IS 2% PER THE BUREAU OF DESIGN & ENVIRONMENT MANUAL SECTION 58-1.06.

IDOT HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
RECONSTRUCTION - FULL DEPTH PAVEMENT IL RTE 83 (147TH ST), KEDZIE AVE & DIXIE HWY/WESTERN AVE	
STABILIZED SUB-BASE HOT-MIX ASPHALT, IL-19.0, 4 1/2"	3%±50 Gyr
HOT-MIX ASPHALT SHOULDER (GUARDRAIL STABILIZATION) HOT-MIX ASPHALT BINDER, IL 19.0, 6"	4%±50 Gyr
CLASS "D" PATCHES HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5mm), 2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12"	4%±90 Gyr 4%±90 Gyr
TEMPORARY PAVEMENT 7.5" PORTLAND CEMENT CONCRETE PAVEMENT OR HMA PAVEMENT (FULL DEPTH) 8" HMA SURFACE MIX D N70 2" HMA BINDER COURSE 50 IL-19.0, N50, 6"	4%±50 Gyr 4%±50 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES 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 "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

OCP IS FOR SMA ONLY (SMA SFC. & SMA BINDER).

MINIMUM LIFT FOR HOT-MIX ASPHALT BINDER COURSE, IL-19.0 IS 2 1/4".

TYLIN INTERNATIONAL

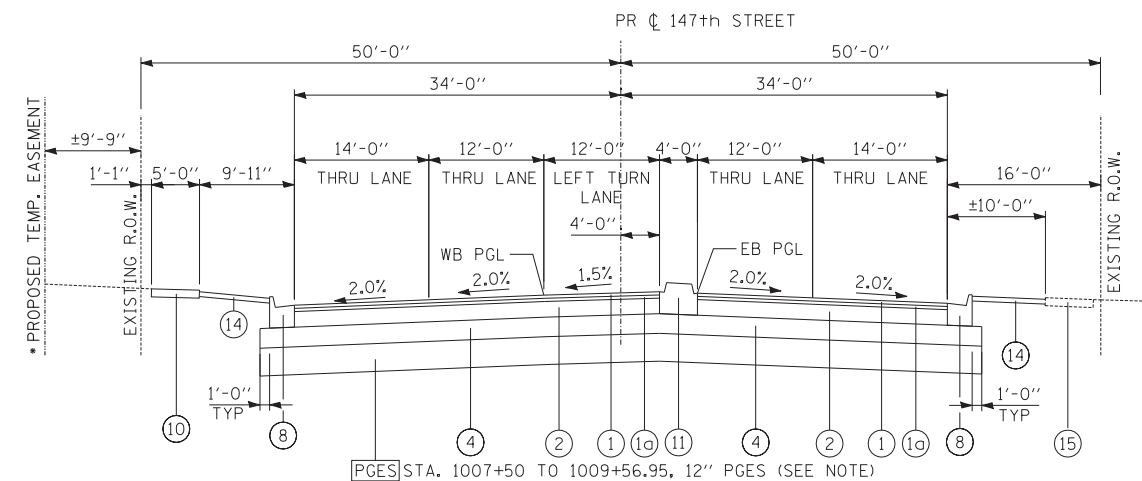
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DRAWN - DM	REVISIONS -	
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PLOT DATE =	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

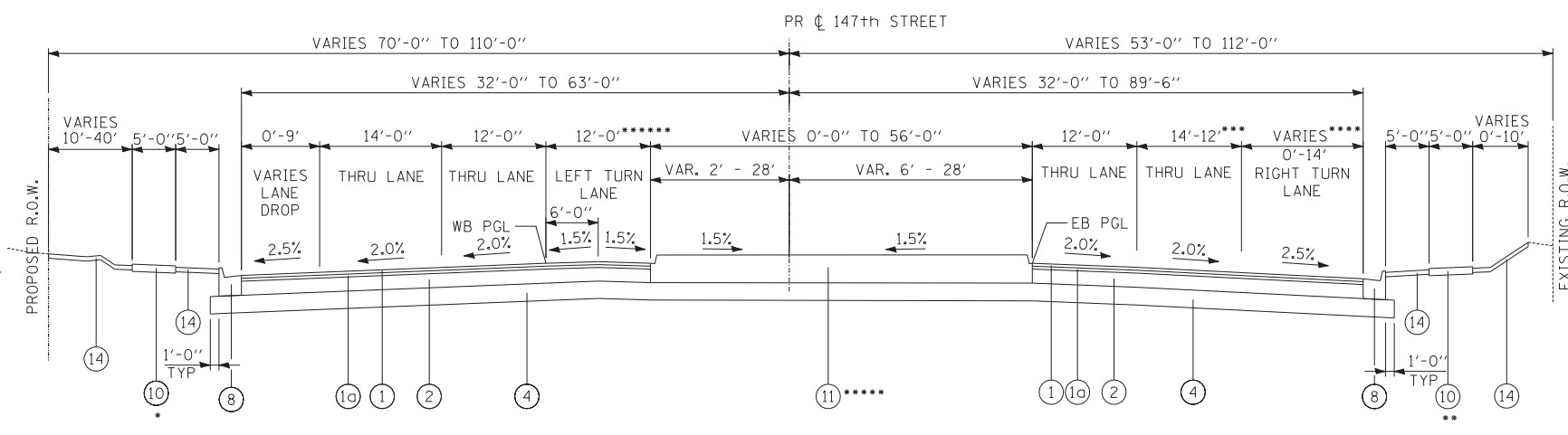
147TH STREET PROJECT
PROPOSED TYPICAL SECTIONS (PCC ALTERNATE)

SCALE: NTS SHEET NO. 2P OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	30
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

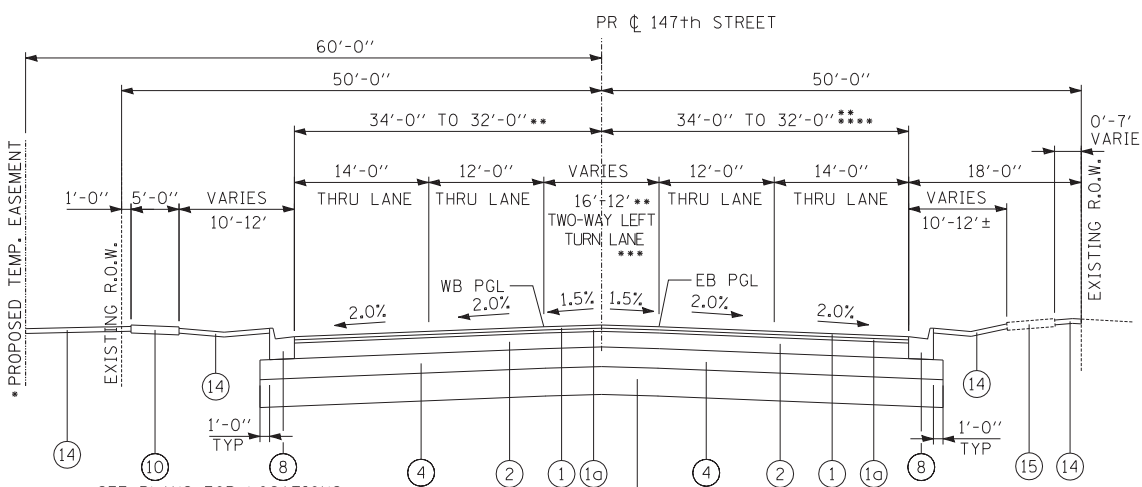


PGES STA. 1007+50 TO 1009+56.95, 12" PGES (SEE NOTE)
 * STA. 1007+48.28 TO STA. 1008+40.69
147TH STREET
 KEDZIE AVE TO TROY AVE
 STA. 1005+73.65 TO STA. 1009+56.95

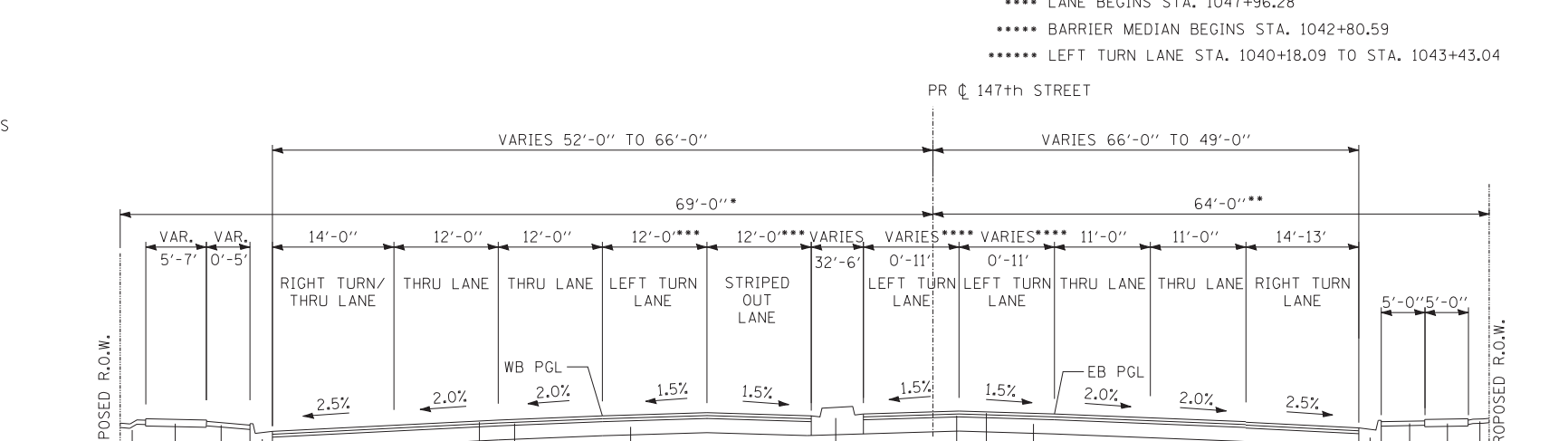


147TH STREET
 EAST OF CLEVELAND TO I-57 RAMPS
 STA. 1040+23.04 TO STA. 1056+13±

- * PROPOSED SIDEWALK BETWEEN STA. 1045+94.52 TO STA. 1054+97.83
- ** PROPOSED SIDEWALK BETWEEN STA. 1046+52.05 TO STA. 1054+97.83
- *** LANE TAPERS 14'-12' STA. 1047+76.28 TO STA. 1049+75.57
- **** LANE BEGINS STA. 1047+96.28
- ***** BARRIER MEDIAN BEGINS STA. 1042+80.59
- ***** LEFT TURN LANE STA. 1040+18.09 TO STA. 1043+43.04

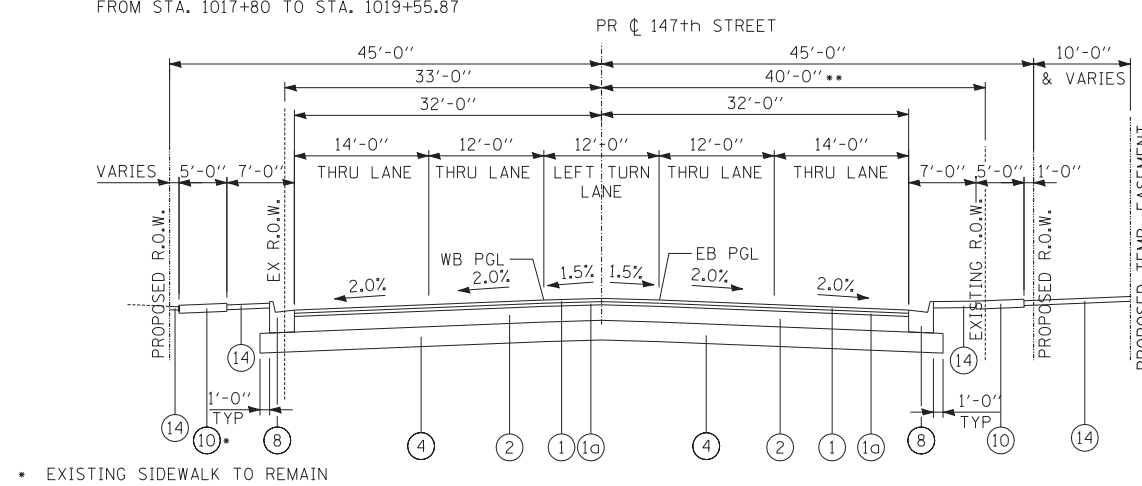


PGES STA. 1009+56.95 TO 1011+00 AND 1013+50 TO 1019+58, 12" PGES (SEE NOTE)
 * SEE PLANS FOR LOCATIONS
 ** ROAD WIDTH TAPERS STA. 1011+00.00 TO STA. 1011+80.00
 *** LT LANE VARIES 12' - 2'-9"± STA. 1016+94.13 TO STA. 1019+55.20
 STRIPED MEDIAN VARIES 0' - 13'-9"± STA. 1009+56.95 TO STA. 1019+75.37
 STA. 1018+41.14 TO 1019+55.87
 **** ROAD WIDTH VARIES 32' - 36'-6"± FROM STA. 1017+80 TO STA. 1019+55.87



147TH STREET
 I-57 RAMPS TO DIXIE/WESTERN
 STA. 1062+59± TO STA. 1074+32±

- * STA. 1070+73.71 TO STA. 1073+60.03
- ** STA. 1070+39.99 TO STA. 1074+14.2
- *** WB LEFT TURN LANE VARIES 12' TO 0' STA. 1065+57.13 TO STA. 1068+57.34 AND STRIPED OUT LANE VARIES 0' TO 12' STA. 1065+57.13 TO STA. 1068+57.34
- **** LEFT TURN LANES BEGIN STA. 1068+10.60



147TH STREET
 MOZART AVE TO CLEVELAND AVE
 STA. 1030+04.24 TO STA. 1040+23.04

- * EXISTING SIDEWALK TO REMAIN STA. 1033+59.33 TO STA. 1036+13.47
- ** EX ROW TAPERS 40' - 45' STA. 1034+84.28 TO 1036+14.50

LEGEND (HMA ALTERNATE)

- ① PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ⑩ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ② PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 6 1/2"
- ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 8 1/4"
- ④ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90
- ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑨ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑩ PROPOSED CONCRETE CEMENT SIDEWALK, 5"
- ⑪ PROPOSED MEDIAN (SEE PLANS)
- ⑫ PROPOSED STABILIZED SUBBASE- HOT-MIX ASPHALT, 4 1/2"
- ⑬ PROPOSED SHOULDER RUMBLE STRIPS, 16"
- ⑭ TOPSOIL (SEE LANDSCAPING PLANS)
- ⑮ EXISTING P.C. SIDEWALK, 5" (TO REMAIN)

NOTE:

1. FOR MEDIAN REPLACEMENT FROM STA. 1004+21.14 TO STA. 1005+73.65 SEE PROPOSED TYPICAL SECTIONS SHEET 4 OF 4
2. FOR 147TH STREET TYPICAL SECTIONS FROM STA. 1056+13± TO STA. 1062+59± SEE SHEET 4 OF 4
3. 147TH STREET PGES PROVISION LIMITS: STA. 1007+50 TO 1011+00, 1013+50 TO 1019+50, 12" PGES
4. THE MAXIMUM CROSS SLOPE FOR SIDEWALKS IS 2% PER THE BUREAU OF DESIGN & ENVIRONMENT MANUAL SECTION 58-1.06.

PGES SEE NOTE 2 ON TYPICAL SECTIONS SHEET 4 OF 4

TYLIN INTERNATIONAL

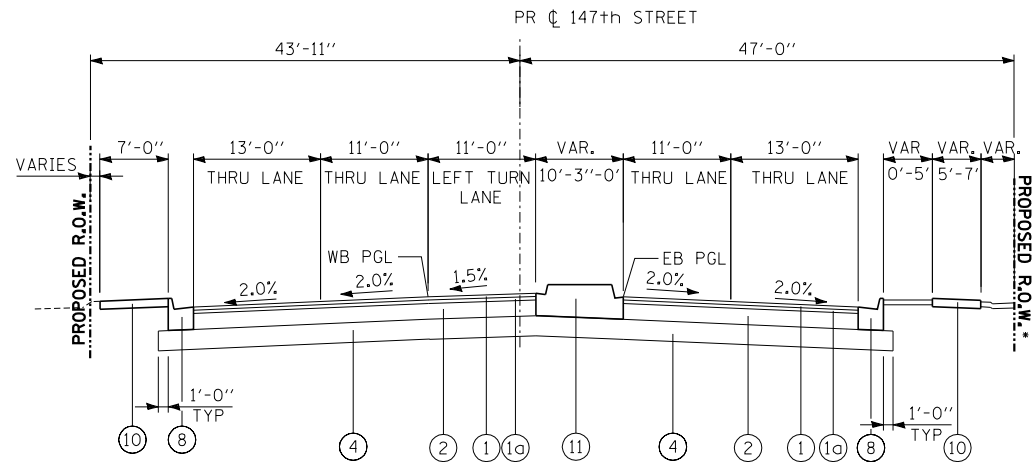
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PLOT SCALE =	DRAWN - DM	REVISED -
PLOT DATE =	CHECKED - JPM	REVISED -
	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
PROPOSED TYPICAL SECTIONS (HMA ALTERNATE)

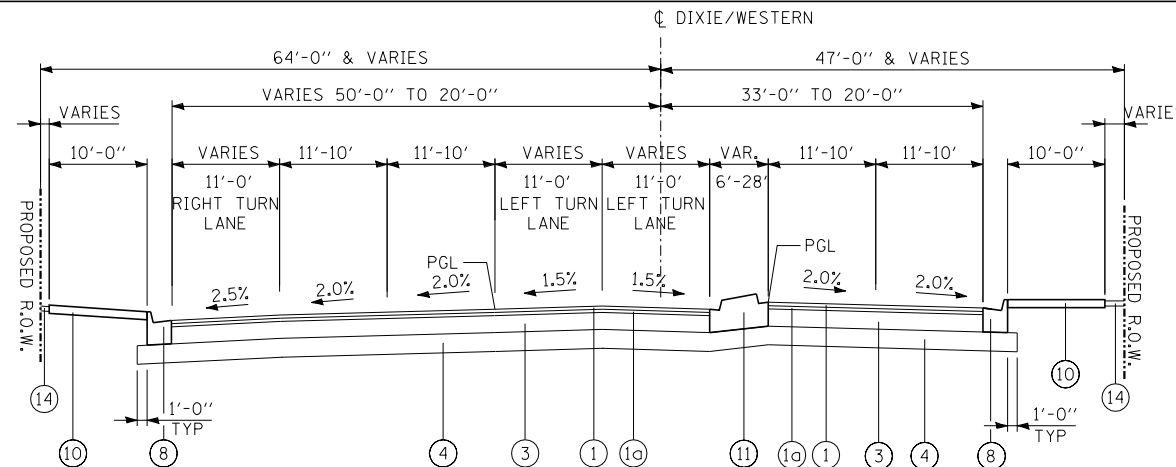
SCALE: NTS SHEET NO. 1H OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	31
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	

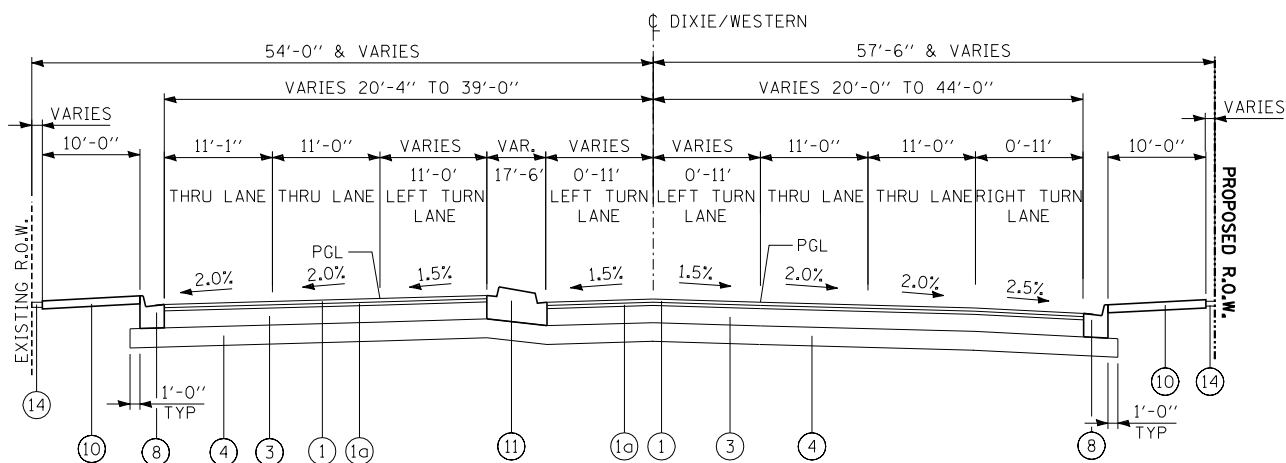


147TH STREET
DIXIE/WESTERN TO PROJECT LIMIT
STA. 1075+80.22 TO STA. 1079+99.63

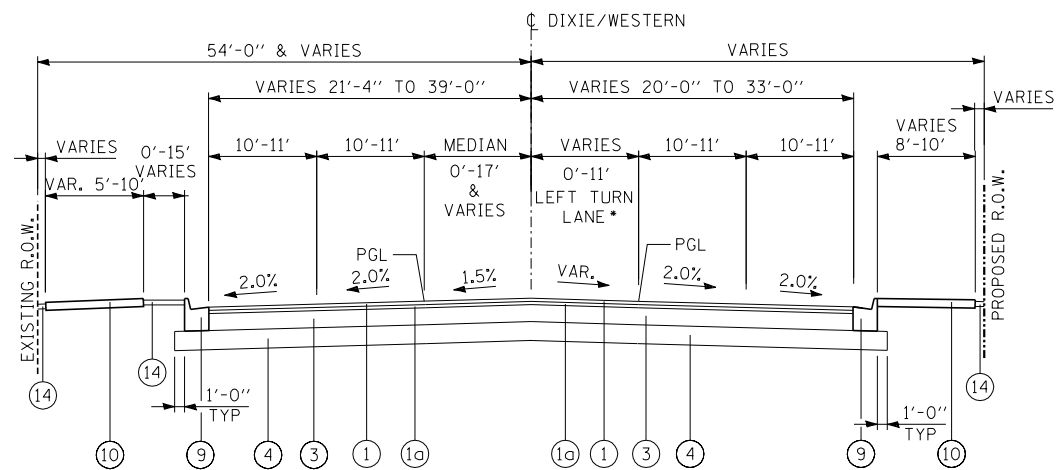
• STA. 1077+83.68 TO STA. 1079+19.56



DIXIE HIGHWAY/WESTERN AVENUE
NORTH OF 147th STREET
STA. 6012+00.00 TO STA. 6027+50.00



DIXIE HIGHWAY/WESTERN AVENUE
SOUTH OF 147th STREET
STA. 6005+67.00 TO STA. 6012+00.00



DIXIE HIGHWAY/WESTERN AVENUE
SOUTH OF 148th STREET
STA. 5998+11.00 TO STA. 6005+67.00

• STA. 6001+99.97 TO STA. 6004+71.88

IDOT HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
RECONSTRUCTION - FULL DEPTH PAVEMENT	
<u>ILLINOIS ROUTE 83 (147TH STREET) & KEDZIE AVENUE</u>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, *2"	3.5% @ 80 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, *2"	3.5% @ 80 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 6 1/2" (PAID FOR AS HMA BASE COURSE, 6 1/2")	4% @ 90 Gyr
<u>DIXIE HIGHWAY/WESTERN AVENUE</u>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, *2"	3.5% @ 80 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, *2"	3.5% @ 80 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 8 1/4" (PAID FOR AS HMA BASE COURSE, 8 1/4")	4% @ 90 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES 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 "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

• OCP IS FOR SMA ONLY (SMA SFC. & SMA BINDER).

MINIMUM LIFT FOR HOT-MIX ASPHALT BINDER COURSE, IL-19.0 IS 2 1/4".

IDOT HOT-MIX ASPHALT MIXTURE REQUIREMENTS (CONT.)

ITEM	AIR VOIDS @ Ndes
HOT-MIX ASPHALT SHOULDERS, IL-19.0, 6" (GUARDRAIL STABILIZATION)	4% @ 70 Gyr
CLASS "D" PATCHES	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm), 2"	4% @ 70 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12"	4% @ 90 Gyr
TEMPORARY PAVEMENT	
7.5" PORTLAND CEMENT CONCRETE PAVEMENT OR	
HMA PAVEMENT (FULL DEPTH) 8"	
HMA SURFACE MIX D N70, 2"	4% @ 50 Gyr
HMA BINDER COURSE 50 IL-19.0, N50, 6"	4% @ 50 Gyr

NOTE:

1. THE MAXIMUM CROSS SLOPE FOR SIDEWALKS IS 2% PER THE BUREAU OF DESIGN & ENVIRONMENT MANUAL SECTION 58-1.06.

LEGEND (HMA ALTERNATE)

- ① PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80, 2"
- ①a PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80, 2"
- ② PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 6 1/2"
- ③ PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 8 1/4"
- ④ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT 12"
- ⑤ PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- ⑥ PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
- ⑦ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90
- ⑧ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑨ PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑩ PROPOSED CONCRETE CEMENT SIDEWALK, 5"
- ⑪ PROPOSED MEDIAN (SEE PLANS)
- ⑫ PROPOSED STABILIZED SUBBASE- HOT-MIX ASPHALT, 4 1/2"
- ⑬ PROPOSED SHOULDER RUMBLE STRIPS, 16"
- ⑭ TOPSOIL (SEE PLANS)

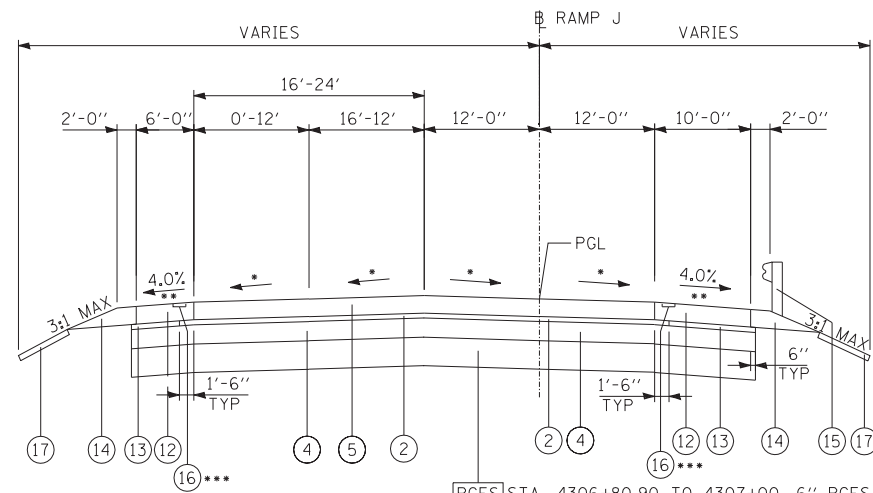
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -
	PLOT SCALE =	DRAWN - DM	REVISED -
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED TYPICAL SECTIONS (HMA ALTERNATE)**

SCALE: NTS SHEET NO. 2H OF 4 SHEETS STA. TO STA.

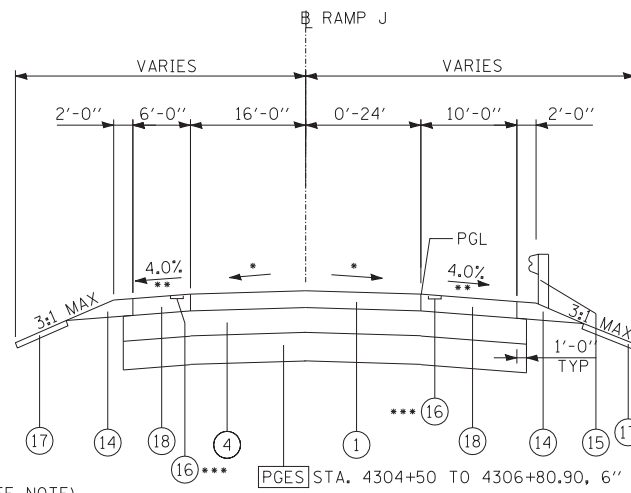
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	32
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	



RAMP J

STA. 4306+80.90 TO STA. 4311+60±

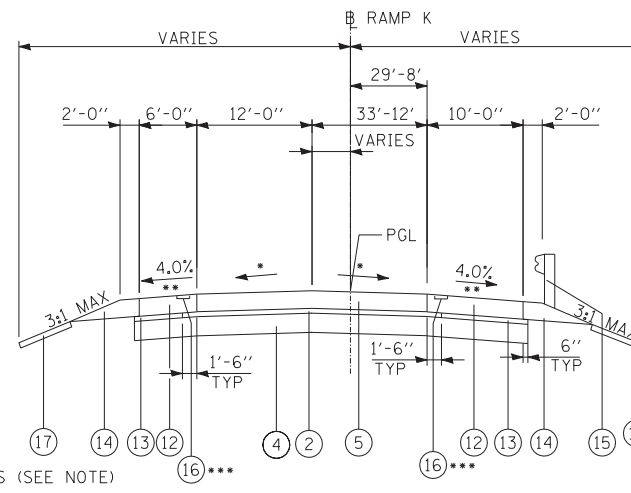
- REFER TO PROPOSED PLAN FOR PAVEMENT CROSS SLOPES
- 4% AND VARIES PER IDOT STD. 483001
- STA. 4306+81.19 TO STA. 4311+22.00 (SEE PLANS)



RAMP J

STA. 4304+35.49 TO STA. 4306+80.90

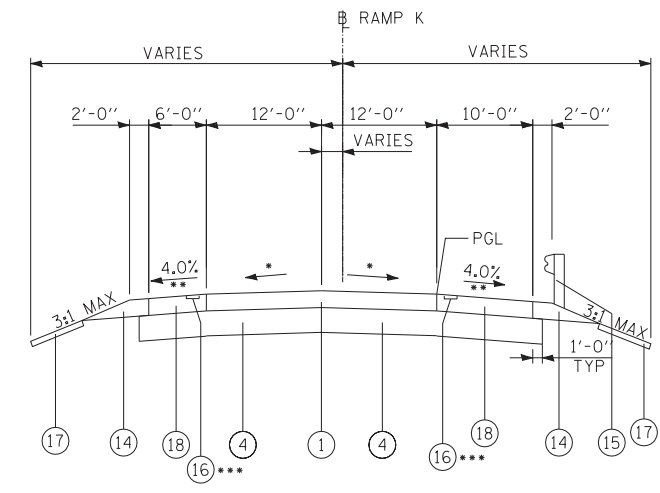
- REFER TO PROPOSED PLAN FOR PAVEMENT CROSS SLOPES
- 4% AND VARIES PER IDOT STD. 483001
- STA. 4304+31.00 TO STA. 4306+81.19 (SEE PLANS)



RAMP K

STA. 4401+18.60 TO STA. 4404+22.45

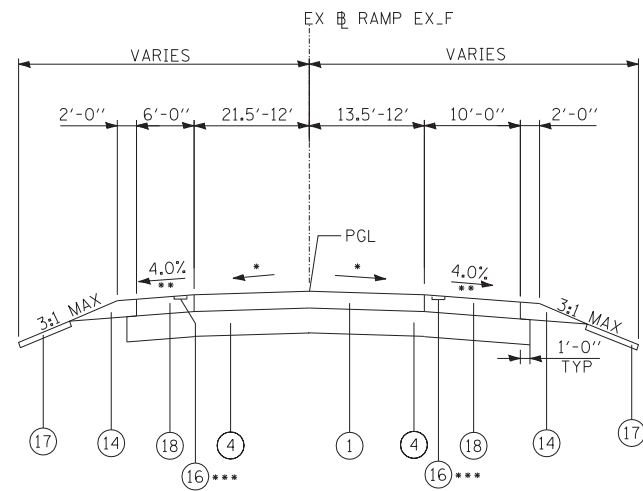
- REFER TO PROPOSED PLAN FOR PAVEMENT CROSS SLOPES
- 4% AND VARIES PER IDOT STD. 483001
- STA. 4401+22.00 TO STA. 4404+22.45 (SEE PLANS)



RAMP K

STA. 4404+22.45 TO STA. 4407+36.54

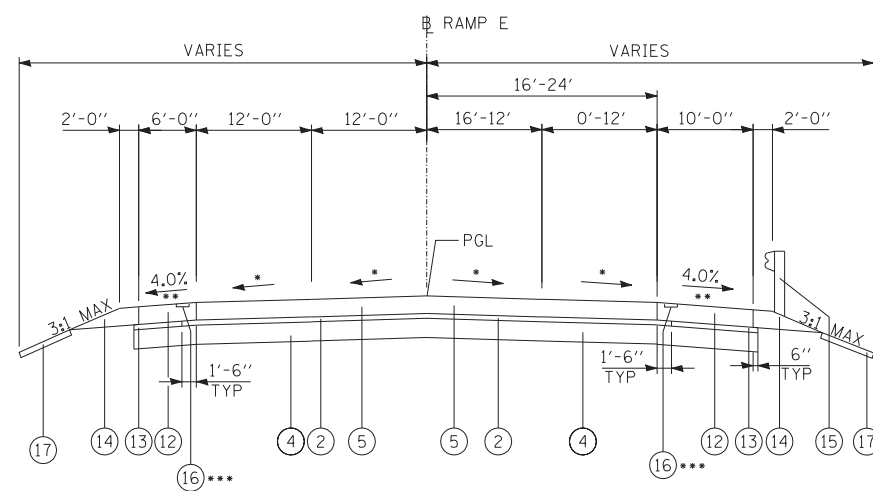
- REFER TO PROPOSED PLAN FOR PAVEMENT CROSS SLOPES
- 4% AND VARIES PER IDOT STD. 483001
- STA. 4404+22.45 TO STA. 4407+36.00



RAMP EX_F

STA. 5201+53.87 TO STA. 5202+98.21

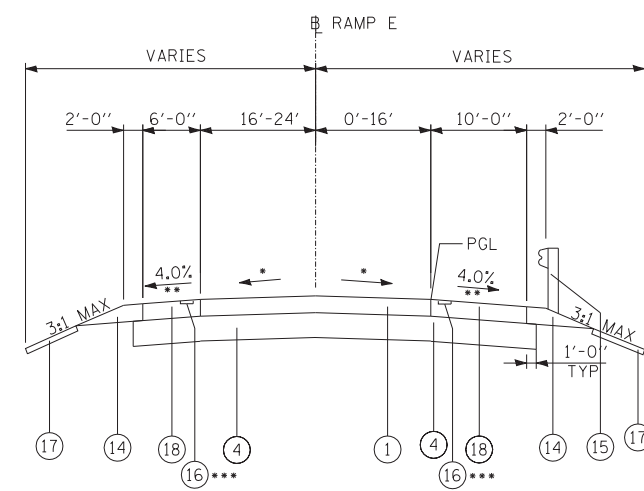
- REFER TO PROPOSED PLAN FOR PAVEMENT CROSS SLOPES
- 4% AND VARIES PER IDOT STD. 483001
- STA. 5201+50.00 TO STA. 5202+98.00 (SEE PLANS)



RAMP E

STA. 4110+38.73 TO STA. 4115+36±

- REFER TO PROPOSED PLAN FOR PAVEMENT CROSS SLOPES
- 4% AND VARIES PER IDOT STD. 483001
- STA. 4110+39.09 TO STA. 4114+75.83 (SEE PLANS)



RAMP E

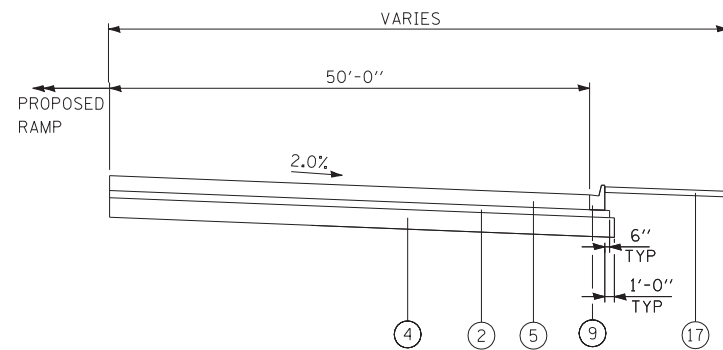
STA. 4107+88.03 TO STA. 4110+38.73

- REFER TO PROPOSED PLAN FOR PAVEMENT CROSS SLOPES
- 4% AND VARIES PER IDOT STD. 483001
- STA. 4108+68.00 TO STA. 4110+39.09 (SEE PLANS)

LEGEND

- PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)
- PROPOSED STABILIZED SUBBASE- HOT-MIX ASPHALT, 4 1/2 "
- PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)
- AGGREGATE SUBGRADE IMPROVEMENT 12"
- PROPOSED PORTLAND CEMENT CONCRETE PAVEMENT 11" (JOINTED)
- PROPOSED POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
- PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90
- PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- PROPOSED CONCRETE CEMENT SIDEWALK, 5"
- PROPOSED MEDIAN (SEE PLANS)
- PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS, 11"
- SUBBASE GRANULAR MATERIAL, TYPE C
- AGGREGATE SHOULDERS, TYPE B
- STEEL PLATE BEAM GUARDRAIL (SEE PROPOSED PLANS FOR LIMITS)
- PROPOSED SHOULDER RUMBLE STRIPS, 16"
- TOPSOIL (SEE LANDSCAPING PLANS)
- PROPOSED PORTLAND CEMENT CONCRETE SHOULDERS, 9"

PGES SEE NOTE 2 ON TYPICAL SECTIONS SHEET 4 OF 4



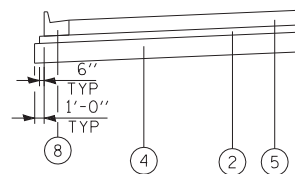
ACCIDENT INVESTIGATION SITE

RAMP E AND RAMP J

RAMP E: STA. 4110+58.39 TO STA. 4113+01.03
RAMP J: STA. 4306+96.70 TO STA. 4309+65.54

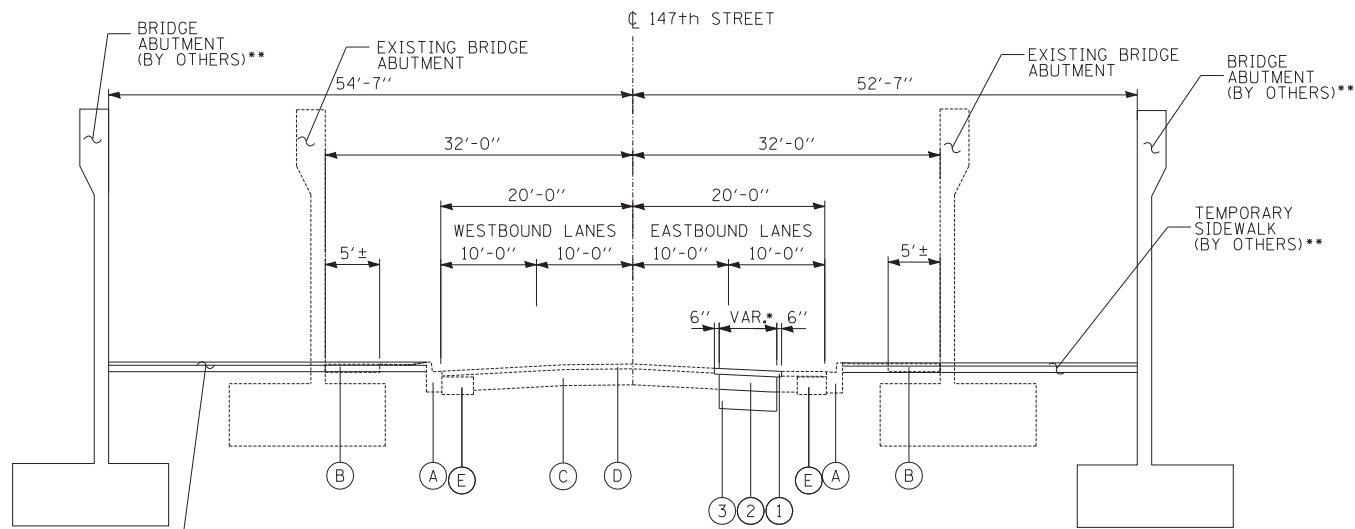
NOTES:

- RAMP J PGES PROVISION LIMITS: STA. 4304+50 TO 4307+00, 6" PGES.



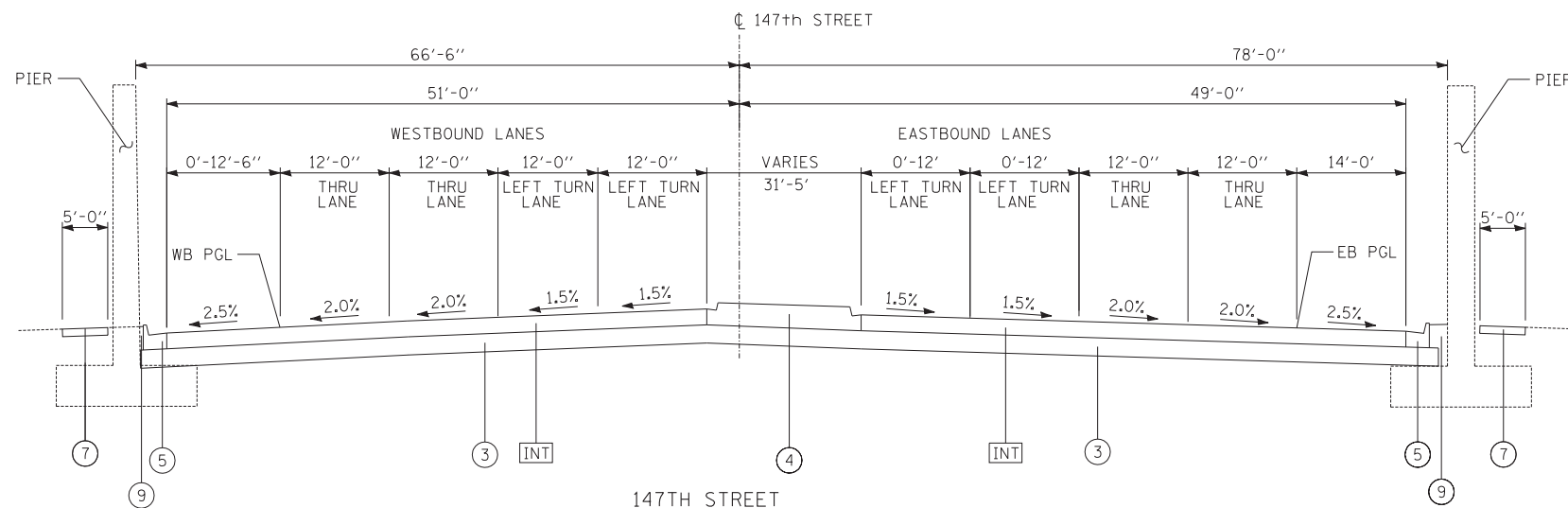
CCC&G RAMP SECTION
RAMP E, RAMP J, AND RAMP K
SEE PLANS FOR LOCATION

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT			F.A.I. RT. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - DM	REVISED -			PROPOSED TYPICAL SECTIONS (RAMPS - PCC & HMA ALTERNATES)			XX	(0405-1 & 0506-2) R-1	COOK	577	33	
	PLOT SCALE =	CHECKED - JPM	REVISED -		SCALE: NTS			SHEET NO. 3 OF 4 SHEETS		STA.	TO STA.		CONTRACT NO. 60M57
	PLOT DATE =	DATE - 5/23/2012	REVISED -		FED. ROAD DIST. NO.			ILLINOIS		FED. AID PROJECT			



- FROM STA. 1020+06.97 TO STA. 1020+60.00, 6' WIDE.
 - FROM STA. 1020+60.00 TO STA. 1022+90.00, 6'-7" WIDE.
 - FROM STA. 1022+90.00 TO STA. 1027+00.00, 8'-8" WIDE.
- SEE PLANS FOR EXACT LOCATION AND LIMITS OF PAVEMENT REPLACEMENT.
- CLASS "D" PAVEMENT PATCHES, THICKNESS 14".
- ABUTMENT AND PROPOSED TEMPORARY SIDEWALK TO BE CONSTRUCTED BY ISTHA (TOLLWAY) CONTRACT 1-12-4035.

147TH STREET
UNDER I-294 BRIDGE
STA. 1019+55.11 TO STA. 1030+25.10



147TH STREET
AT I-57 BRIDGE
STA. 1056+13± TO STA. 1062+59±

IDOT HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS @ Ndes
RECONSTRUCTION - FULL DEPTH PAVEMENT	
<u>ILLINOIS ROUTE 83 (147TH STREET)</u> <u>INTERIM PAVEMENT (ARTERIAL)</u>	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"	4%@90 Gyr
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 2 1/4"	4%@90 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 5 3/4"	4%@90 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

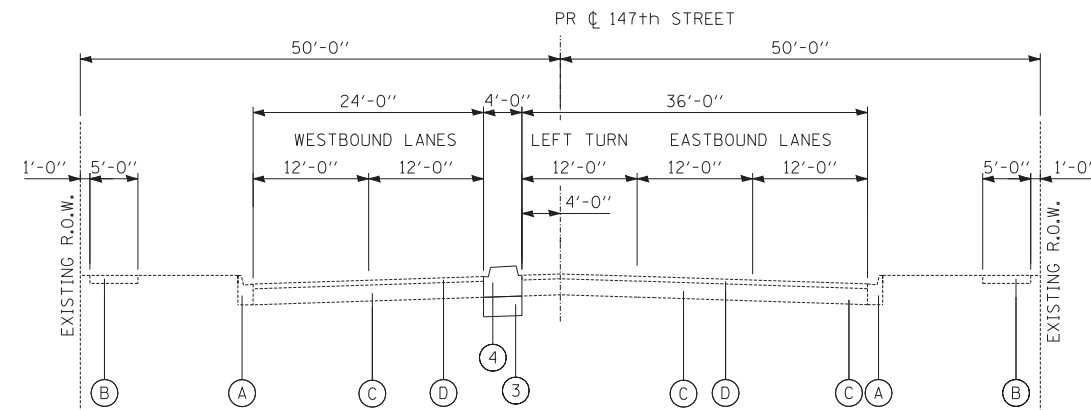
THE "AC TYPE" FOR POLYMERIZED HMA MIXTURES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.

FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS. OCP IS FOR SMA ONLY (SMA SFC. & SMA BINDER).

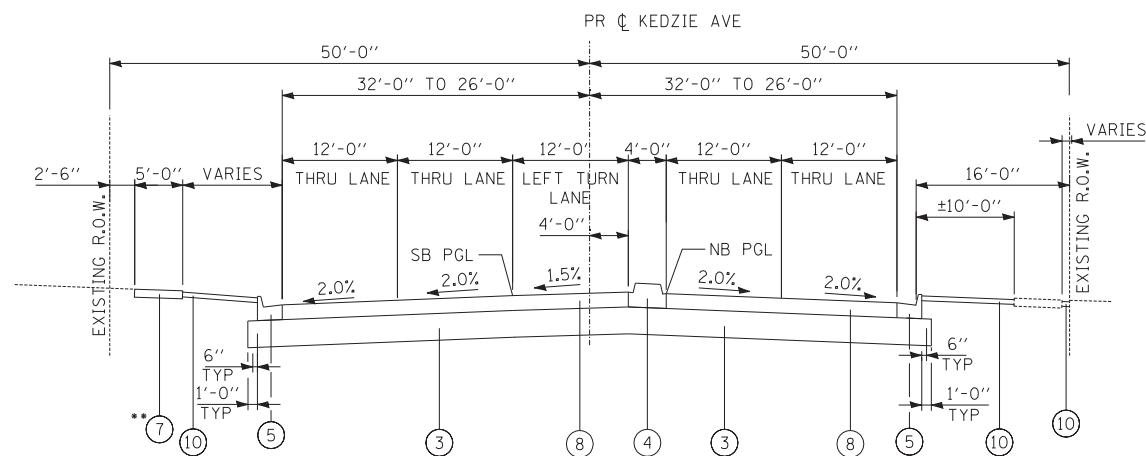
MINIMUM LIFT FOR HOT-MIX ASPHALT BINDER COURSE, IL-19.0 IS 2 1/4".

147TH STREET (IL-83) INTERIM PAVEMENT (ARTERIAL) ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
PAID FOR AS HMA PAVEMENT (FULL DEPTH) 10"	- 8 3/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 2 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	- AGGREGATE SUBGRADE IMPROVEMENT 12"
- 5 3/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	
- AGGREGATE SUBGRADE IMPROVEMENT 12"	



147TH STREET
PROJECT LIMIT TO KEDZIE AVE
STA. 1004+21.14 TO STA. 1005+73.65



KEDZIE AVENUE
147TH STREET TO PROJECT LIMIT
STA. 5013+00.00 TO STA. 5020+75.00

•• SEE PLANS FOR LOCATIONS

LEGEND

- (A) EXISTING CONCRETE CURB AND GUTTER
- (B) EXISTING P.C. CONCRETE SIDEWALK, 5"
- (C) EXISTING P.C. CONCRETE PAVEMENT, 10±
- (D) EXISTING HOT-MIX ASPHALT, VARIES 3" TO 6"±
- (E) EXISTING BITUMINOUS BASE COURSE, 11"±
- (1) PROPOSED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 2"
- (2) PROPOSED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 12"
- (3) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (4) PROPOSED MEDIAN (SEE PLANS)
- (5) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (6) PROPOSED COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- (7) PROPOSED P.C. CONCRETE SIDEWALK, 5"
- (8) PROPOSED P.C. CONCRETE PAVEMENT 10" (JOINTED)
- (9) TOPSOIL (SEE LANDSCAPING PLANS)
- (INT) SEE TABLE AND MIX CHART ON LEFT
- (PGES) SEE NOTE 2 ON TYPICAL SECTION SHEET 4 OF 4

NOTE:

- THE MAXIMUM CROSS SLOPE FOR SIDEWALKS IS 2% PER THE BUREAU OF DESIGN & ENVIRONMENT MANUAL SECTION 58-1.06.
- POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE IDOT STABILITY MANUAL. IF UNSUITABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - DM	REVISED -
DRAWN - DM	REVISIONS -	
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
PROPOSED TYPICAL SECTIONS (PCC & HMA ALTERNATES)

SCALE: NTS SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	34
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60M57	

147TH STREET PROJECT DRIVEWAY SCHEDULE

ALIGNMENT	STATION	OFFSET	TYPE	WIDTH (FT)	LENGTH FROM FACE OF CURB TO ROW LINE (FT)	CURB LENGTH (FT)	P.C.C. DRIVEWAY PAVEMENT, 8" (SQ YD)	P.C.C. DRIVEWAY PAVEMENT, 6" (SQ YD)
147TH STREET	1005+73.65	LEFT	C.E.	14.6	2.1		3	
147TH STREET	1007+68.95	LEFT	C.E.	24.0	14.0		44	
147th STREET	1008+16.97	LEFT	C.E.	24.0	14.0		44	
147th STREET	1010+62.76	LEFT	C.E.	30.0	14.0	29	48	
147th STREET	1011+15.45	LEFT	C.E.	24.0	14.4	30	40	
147th STREET	1011+60.45	LEFT	C.E.	12.0	15.5	37	23	
147th STREET	1012+08.37	LEFT	P.E.	25.0	16.0			50
147th STREET	1013+89.79	LEFT	C.E.	35.0	16.0	33	64	
147th STREET	1014+61.66	LEFT	C.E.	35.0	16.0	33	64	
147th STREET	1014+95.36	RIGHT	C.E.	33.0	16.0	33	60	
147th STREET	1015+04.34	LEFT	P.E.	10.0	16.0			23
147th STREET	1030+99.93	RIGHT	C.E.	30.0	11.0		41	
147th STREET	1031+21.62	LEFT	C.E.	22.8	11.0		33	
147th STREET	1034+05.92	RIGHT	C.E.	28.0	11.0		38	
147th STREET	1034+76.68	RIGHT	P.E.	10.0	11.0			18
147th STREET	1037+16.50	RIGHT	C.E.	32.0	11.0		43	
147th STREET	1037+42.35	LEFT	C.E.	24.0	11.0		34	
147th STREET	1037+80.56	RIGHT	C.E.	32.0	11.0		43	
147th STREET	1038+38.30	LEFT	C.E.	35.0	11.0		47	
147th STREET	1038+38.45	RIGHT	C.E.	32.0	11.0		43	
147th STREET	1039+14.43	RIGHT	C.E.	28.0	11.0		38	
147th STREET	1039+14.43	LEFT	C.E.	30.0	11.0		41	
147th ST (CLEVELAND)	1039+57.46	77.82' RT	C.E.	24.0	14.1		44	
147th ST (CLEVELAND)	1039+60.42	79.18' LT	C.E.	35.0	15.8	32	62	
147th STREET	1072+23.86	RIGHT	C.E.	25.0	13.0	27	38	
147th STREET	1073+02.49	LEFT	C.E.	36.0	10.0	21	41	
147th STREET	1077+94.29	RIGHT	C.E.	24.0	8.1	18	21	
147th STREET	1078+78.64	LEFT	C.E.	35.0	7.6		32	
147th STREET	1078+82.71	RIGHT	C.E.	24.0	8.1	19	21	
DIXIE/WESTERN	5999+49.22	RIGHT	C.E.	35.0	13.1		58	
DIXIE/WESTERN (148TH PL)	6001+73.87	61.68' RT	C.E.	24.0	23.9	48	69	
DIXIE/WESTERN	6002+87.05	RIGHT	C.E.	30.0	13.7		54	
DIXIE/WESTERN	6007+76.70	RIGHT	C.E.	35.0	11.9		51	
DIXIE/WESTERN	6008+90.00	RIGHT	C.E.	14.0	12.2		26	
DIXIE/WESTERN	6009+67.07	LEFT	C.E.	24.0	26.0	62	89	
DIXIE/WESTERN	6014+03.07	LEFT	C.E.	35.0	12.0	39	45	
DIXIE/WESTERN	6014+46.33	RIGHT	C.E.	35.0	12.0		53	
DIXIE/WESTERN	6019+27.90	RIGHT	C.E.	20.0	35.7	74	80	
DIXIE/WESTERN	6020+16.86	RIGHT	C.E.	20.0	35.6	74	79	
DIXIE/WESTERN	6021+52.18	LEFT	C.E.	30.0	11.5		44	
DIXIE/WESTERN	6023+13.10	LEFT	C.E.	30.0	11.5		44	
DIXIE/WESTERN	6023+93.35	LEFT	C.E.	22.8	11.5		35	
DIXIE/WESTERN	6025+93.52	LEFT	C.E.	35.0	11.4		47	
KEDZIE AVE	5012+91.95	RIGHT	C.E.	32.0	16.0	32	57	
KEDZIE AVE	5013+35.72	LEFT	C.E.	30.0	14.5	32	50	
KEDZIE AVE	5013+43.95	RIGHT	C.E.	32.0	16.0	35	59	
KEDZIE AVE	5013+76.44	LEFT	C.E.	12.0	16.0	35	24	
KEDZIE AVE	5014+39.54	LEFT	P.E.	12.0	14.5			24
KEDZIE AVE	5014+93.75	LEFT	P.E.	12.0	14.5			24
KEDZIE AVE	5015+40.98	LEFT	P.E.	9.0	14.5			19
KEDZIE AVE	5015+88.13	RIGHT	P.E.	14.0	11.0			23
KEDZIE AVE	5016+23.96	LEFT	P.E.	24.0	15.2			45
KEDZIE AVE	5016+75.18	LEFT	P.E.	12.0	16.7			25
KEDZIE AVE	5016+94.93	LEFT	P.E.	14.4	17.3			30
KEDZIE AVE	5017+07.02	RIGHT	P.E.	14.0	13.6			29
TOTAL						743	2011	309

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DPS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT DRIVEWAY SCHEDULE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -	REVISED -			XX	(0405-1 & 0506-2) R-1	COOK	577	35
	PLOT DATE =	DATE - 5/23/2012	REVISED -			SCALE: NTS SHEET NO. 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 60M57		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

GUARDRAIL AND TRAFFIC BARRIER TERMINALS

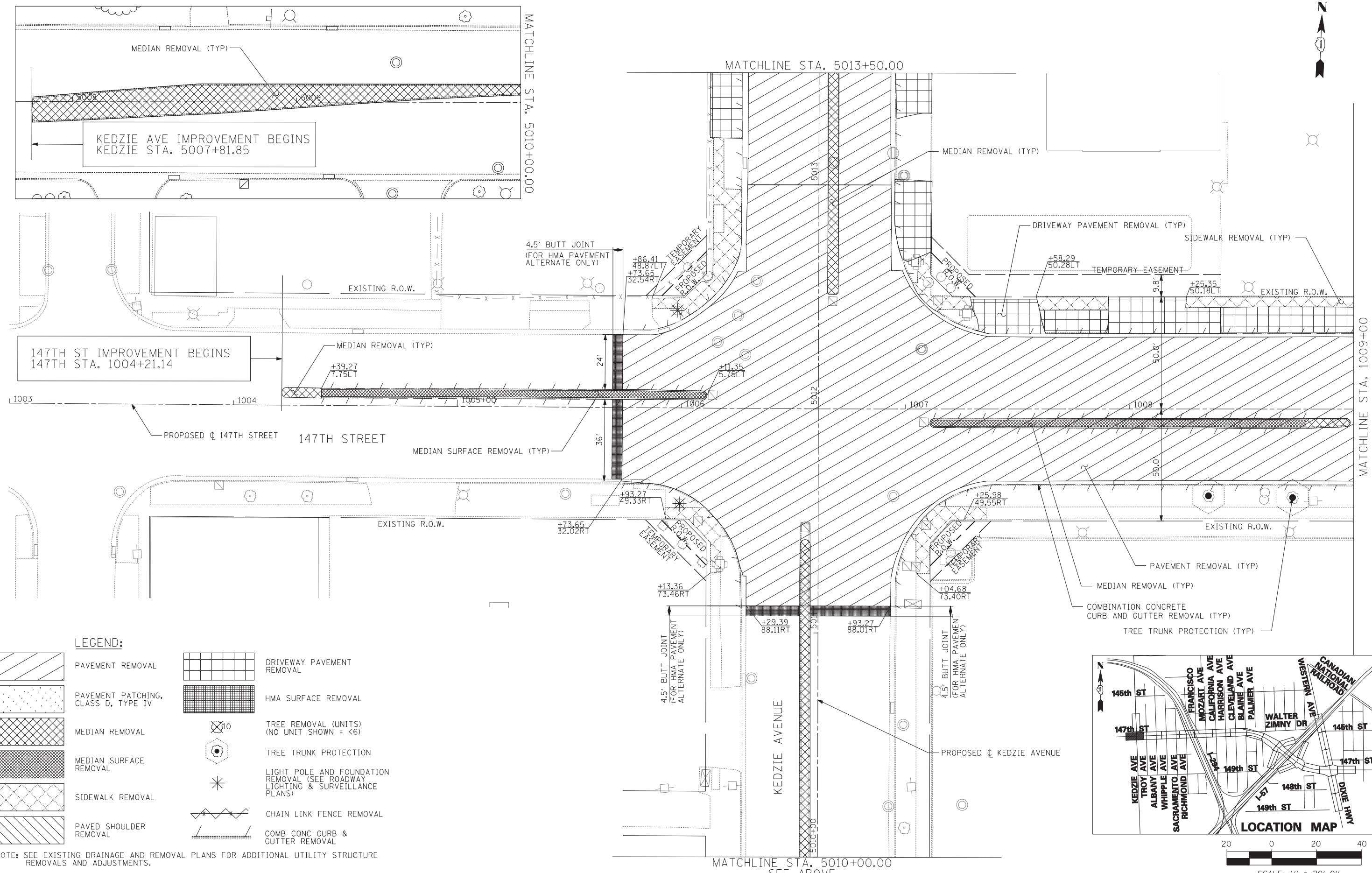
LOCATION DESCRIPTION	FROM		TO		STEEL PLATE BEAM GR TYPE A (FOOT)	TRAF BAR TERM T1 SPECIAL TANG (EACH)	TRAF BAR TERM T2 (EACH)	TRAF BAR TERM T6 (EACH)	TRAF BAR TERM T6B (EACH)	GUARDRAIL MARKERS (EACH)	TERM MRKERS DIRECT APPLIED (EACH)	
	STATION	OFFSET	STATION	OFFSET								
I-57 SB EXIT RAMP E	4107+83.1	15.6 LT	4112+58.3	35.3 RT	462.5		1			7		
I-57 NB EXIT RAMP J	4304+33.4	0.6 LT	4307+58.4	25.3 RT	300.0		1			5		
I-57 NB ENTRANCE RAMP K	4402+78.9	22.0 RT	4407+36.8	7.4 RT	362.5	1				6	1	
147th ST - WESTBOUND APPROACH TO I-57 BRIDGE	1060+14.5	54.0 LT	1061+07.6	63.2 LT		1		1		4	1	
147th ST - EASTBOUND APPROACH TO I-57 BRIDGE	1057+77.2	64.0 RT	1058+70.3	54.0 RT		1			1	4	1	
					TOTALS	1125.0	3.0	2.0	1.0	1.0	26.0	3.0

EARTH EXCAVATION SCHEDULE

LOCATION DESCRIPTION	STATION TO STATION	EARTH EXCAVATION (CU YD)	REM & DIS OF UNSUITABLE MATERIAL (CU YD)	EARTH EXC. ADJ. FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE - WASTE (+) OR SHORTAGE (-) (CU YD)	POROUS GRANULAR EMBANKMENT, SUBGRADE (CU YD)
147 TH		28670.0	2560.0	28669.2	4205.0	24464.2	
DIXIE		10080.0	620.0	10079.2	1145.0	8934.2	
KEDZIE		665.0	30.0	664.2	95.0	569.2	
RAMP E		3705.0	525.0	3704.2	1935.0	1769.2	
RAMP F		1165.0	105.0	1164.2	30.0	1134.2	
RAMP J		6065.0	550.0	6064.2	1070.0	4994.2	520.0
RAMP K		500.0	210.0	499.2	1230.0	-730.9	
HIGH MAST LIGHT TOWERS		27.0	115.0	26.2	389.0	-362.9	
	TOTALS =	50877.0	4715.0	50870.2	10099.0	40771.2	520.0
	PCC ALTERNATE: TOTALS (ROUNDED TO NEAREST 5 CU YDS) =	50880.0	4715.0	N/A	N/A	40775.0	520.0
	HMA ALTERNATE: TOTALS (ROUNDED TO NEAREST 5 CU YDS) =	47615.0	4715.0	N/A	N/A	40775.0	520.0

EARTHWORK NOTES:

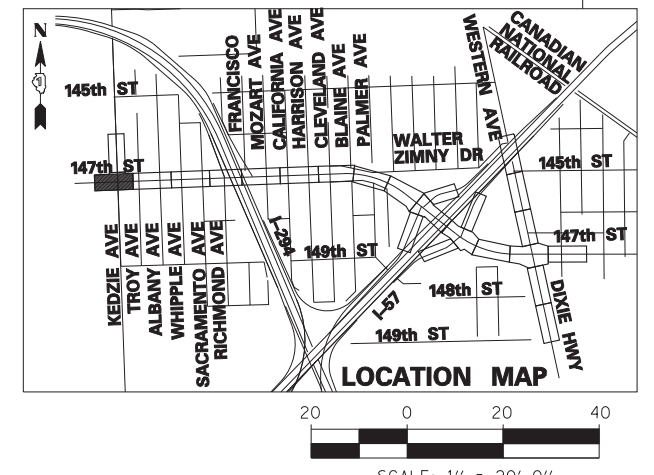
1. STATION LIMITS, EXCAVATION QUANTITIES, UNSUITABLE QUANTITIES, AND EMBANKMENT QUANTITIES WERE DERIVED FROM CROSS SECTIONS.
2. THE REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL QUANTITY WAS BASED ON A ASSUMED DEPTH OF 4 INCHES.
3. EARTH EXCAVATION ADJUSTED FOR SHRINKAGE = EXCAVATION QUANTITY X (1-SHRINKAGE FACTOR (.15)).
4. EARTHWORK BALANCE = EARTHWORK TO BE REMOVED (WASTE (+)) OR EARTHWORK REQUIRED (SHORTAGE (-)) : PAID FOR AS FURNISHED EXCAVATION).
5. ALL PAY ITEMS HAVE BEEN ROUNDED UP TO THE NEAREST 5 CUBIC YARDS.
6. HMA ALTERNATE EARTH EXCAVATION QUANTITY ADJUSTED FOR REDUCED DEPTH OF EXCAVATION



LEGEND:

- PAVEMENT REMOVAL
- PAVEMENT PATCHING, CLASS D, TYPE IV
- MEDIAN REMOVAL
- MEDIAN SURFACE REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HMA SURFACE REMOVAL
- TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
- TREE TRUNK PROTECTION
- LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS)
- CHAIN LINK FENCE REMOVAL
- COMB CONC CURB & GUTTER REMOVAL

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.

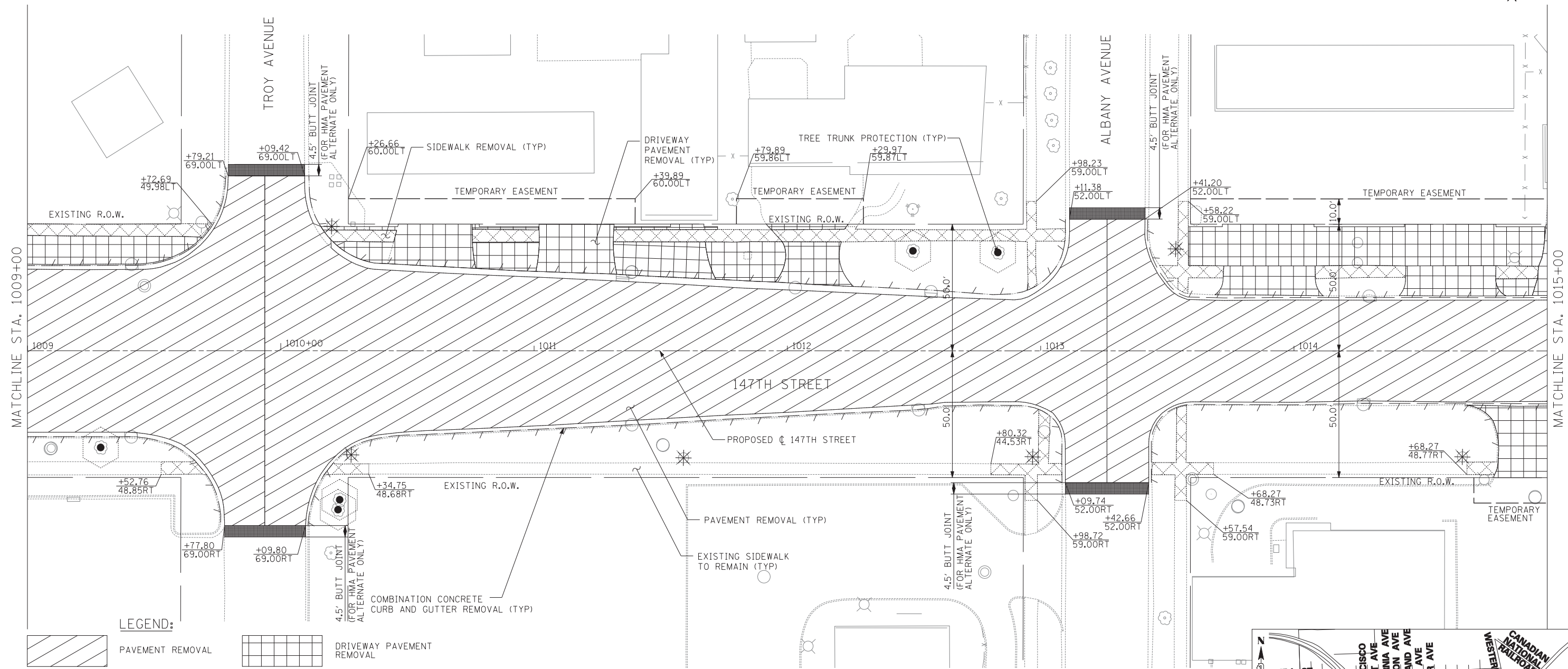


TYLIN INTERNATIONAL	USER NAME =	DESIGNED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -
		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT REMOVAL PLANS - 147TH STREET			
SCALE: 1"=20'	SHEET NO. 1 OF 20 SHEETS	STA. 1003+00 TO STA. 1009+00	

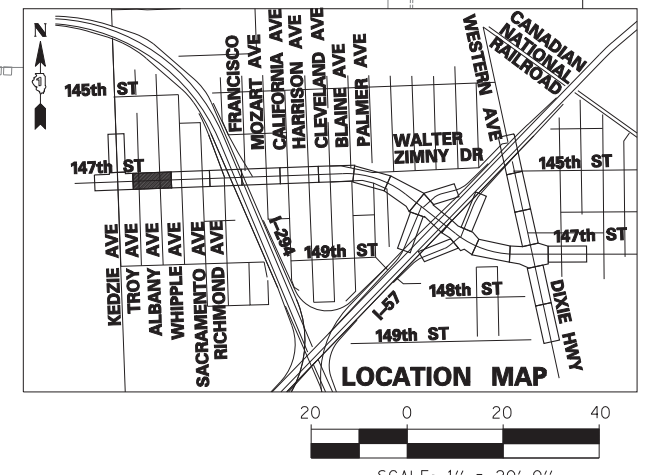
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	37
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND:

- | | | | |
|--|-------------------------------------|--|---|
| | PAVEMENT REMOVAL | | DRIVEWAY PAVEMENT REMOVAL |
| | PAVEMENT PATCHING, CLASS D, TYPE IV | | HMA SURFACE REMOVAL |
| | MEDIAN REMOVAL | | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
| | MEDIAN SURFACE REMOVAL | | TREE TRUNK PROTECTION |
| | SIDEWALK REMOVAL | | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
| | PAVED SHOULDER REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | | | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

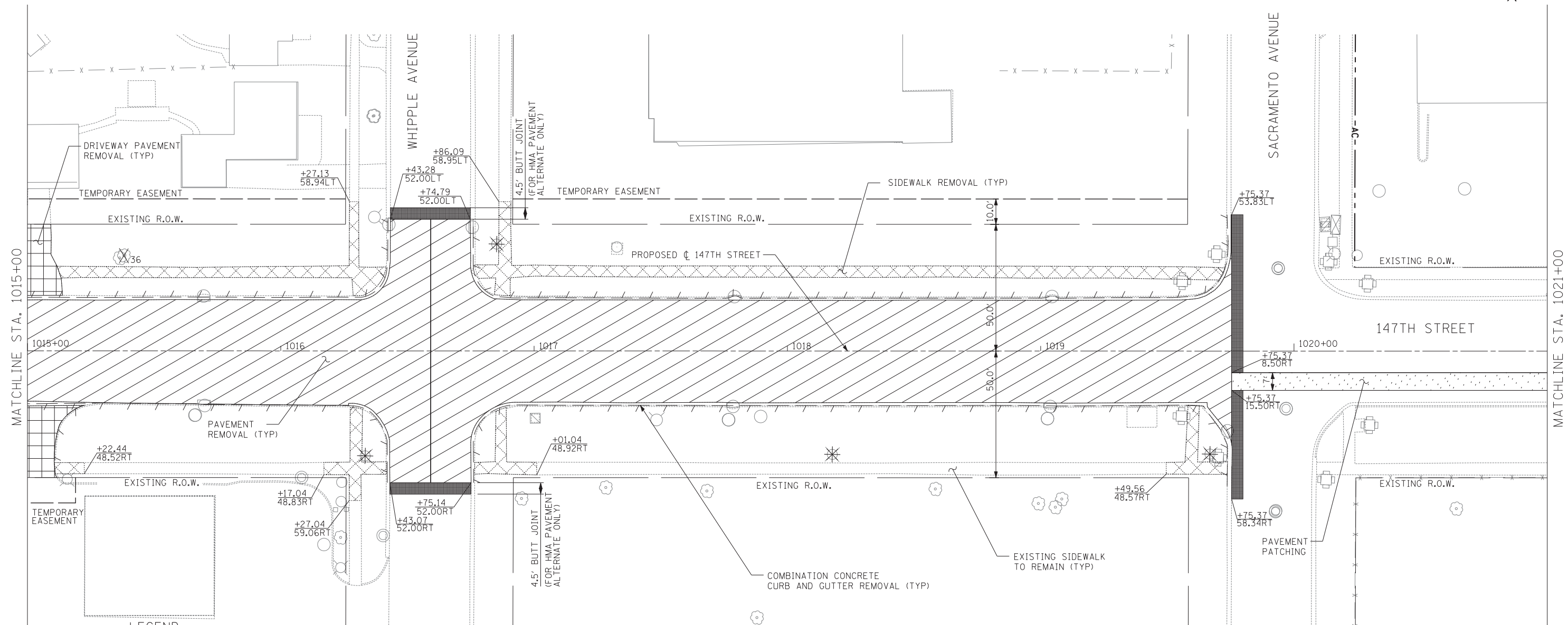
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 2 OF 20 SHEETS STA. 1009+00 TO STA. 1015+00

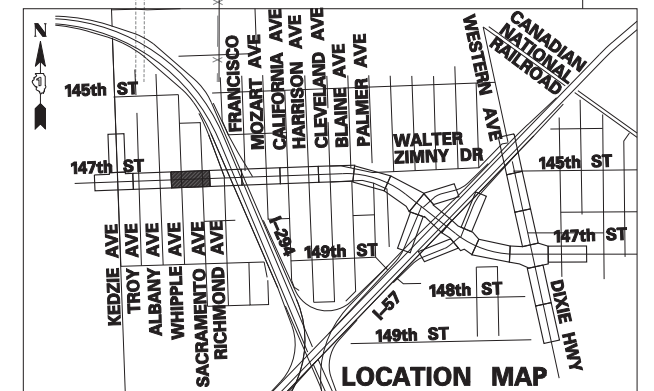
F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	38
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



LEGEND:

- | | | | |
|--|-------------------------------------|--|---|
| | PAVEMENT REMOVAL | | DRIVEWAY PAVEMENT REMOVAL |
| | PAVEMENT PATCHING, CLASS D, TYPE IV | | HMA SURFACE REMOVAL |
| | MEDIAN REMOVAL | | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
| | MEDIAN SURFACE REMOVAL | | TREE TRUNK PROTECTION |
| | SIDEWALK REMOVAL | | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
| | PAVED SHOULDER REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | | | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

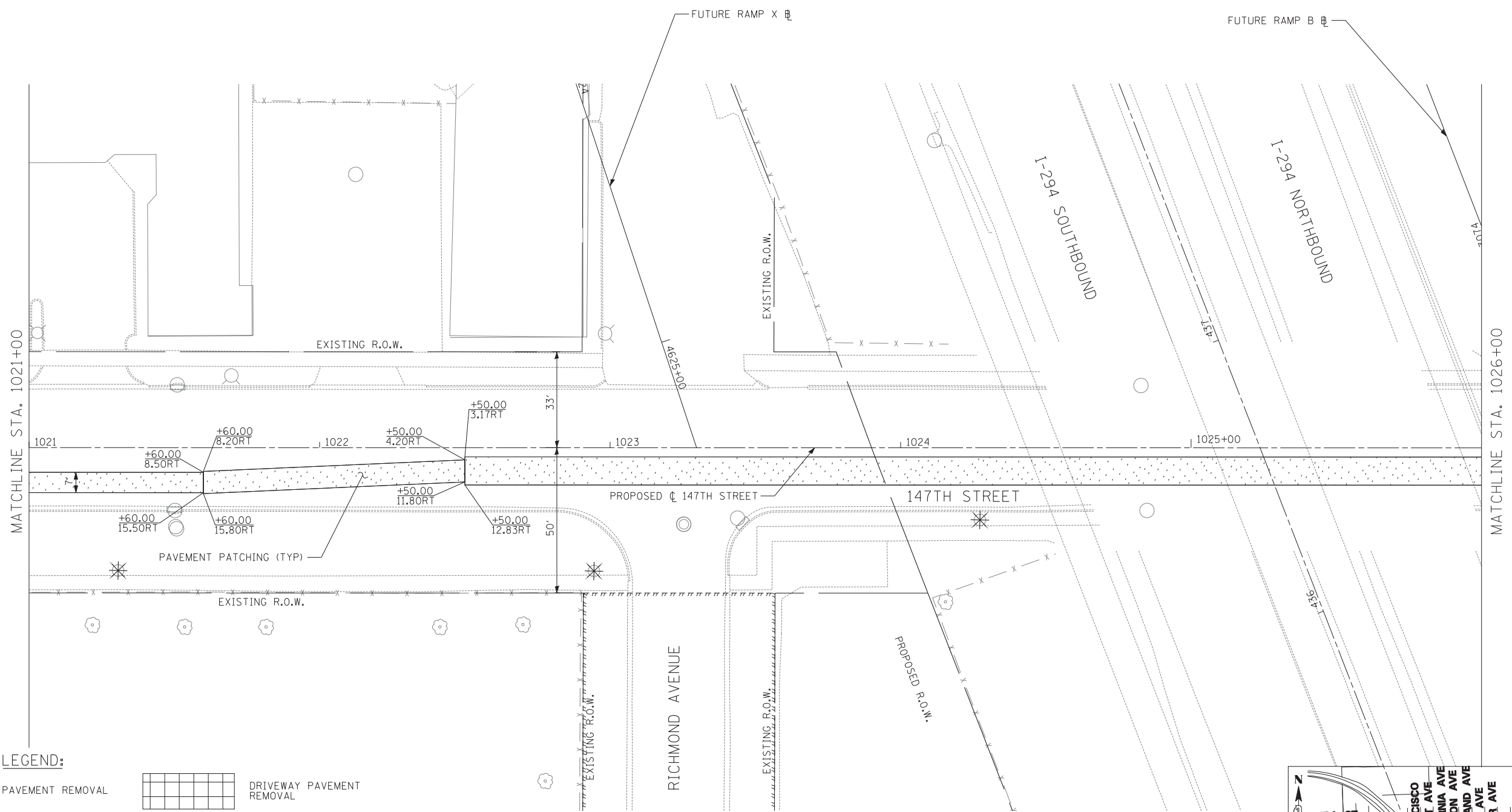
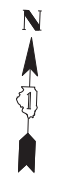
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 3 OF 20 SHEETS STA. 1015+00 TO STA. 1021+00

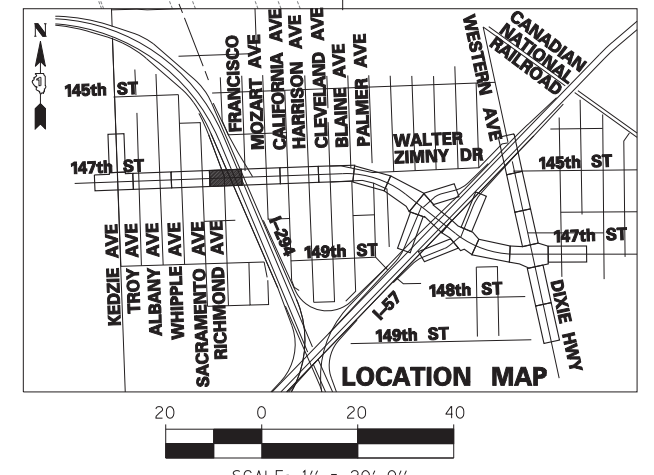
F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	39
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND:

- | | | | |
|--|-------------------------------------|--|---|
| | PAVEMENT REMOVAL | | DRIVEWAY PAVEMENT REMOVAL |
| | PAVEMENT PATCHING, CLASS D, TYPE IV | | HMA SURFACE REMOVAL |
| | MEDIAN REMOVAL | | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
| | MEDIAN SURFACE REMOVAL | | TREE TRUNK PROTECTION |
| | SIDEWALK REMOVAL | | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
| | PAVED SHOULDER REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | | | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

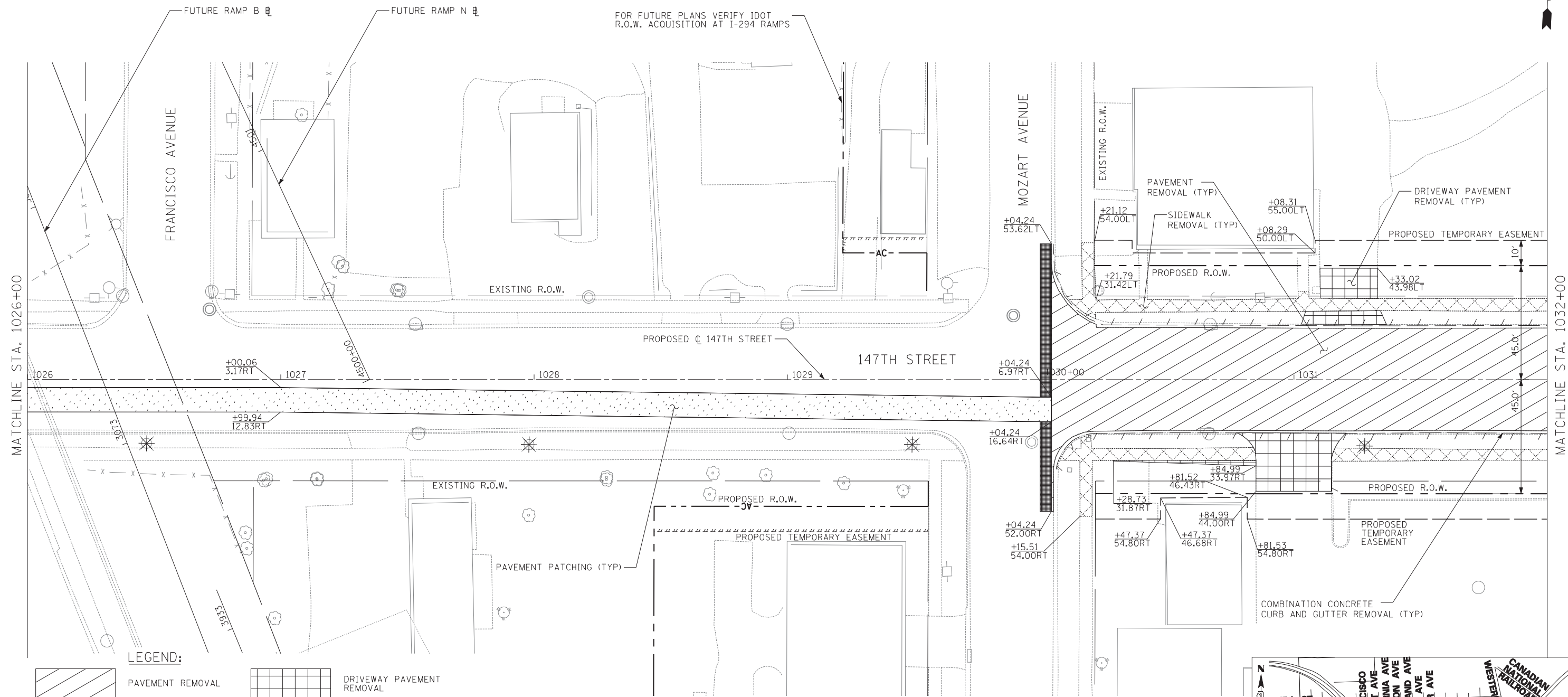
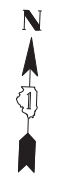
USER NAME =	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 4 OF 20 SHEETS STA. 1021+00 TO STA. 1026+00

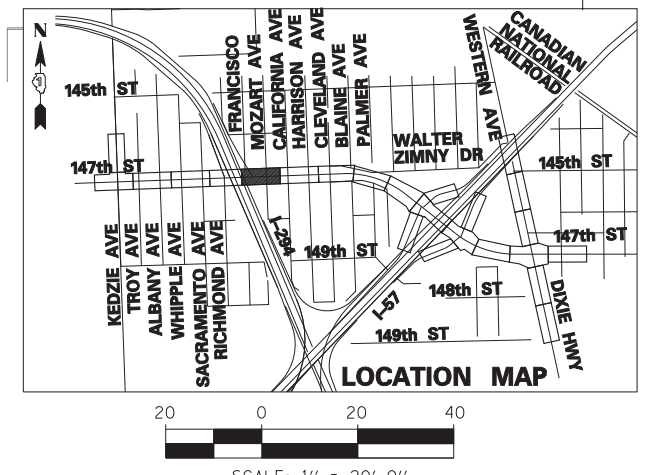
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	40
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	



LEGEND:

- | | | | |
|--|-------------------------------------|--|---|
| | PAVEMENT REMOVAL | | DRIVEWAY PAVEMENT REMOVAL |
| | PAVEMENT PATCHING, CLASS D, TYPE IV | | HMA SURFACE REMOVAL |
| | MEDIAN REMOVAL | | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
| | MEDIAN SURFACE REMOVAL | | TREE TRUNK PROTECTION |
| | SIDEWALK REMOVAL | | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
| | PAVED SHOULDER REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | | | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

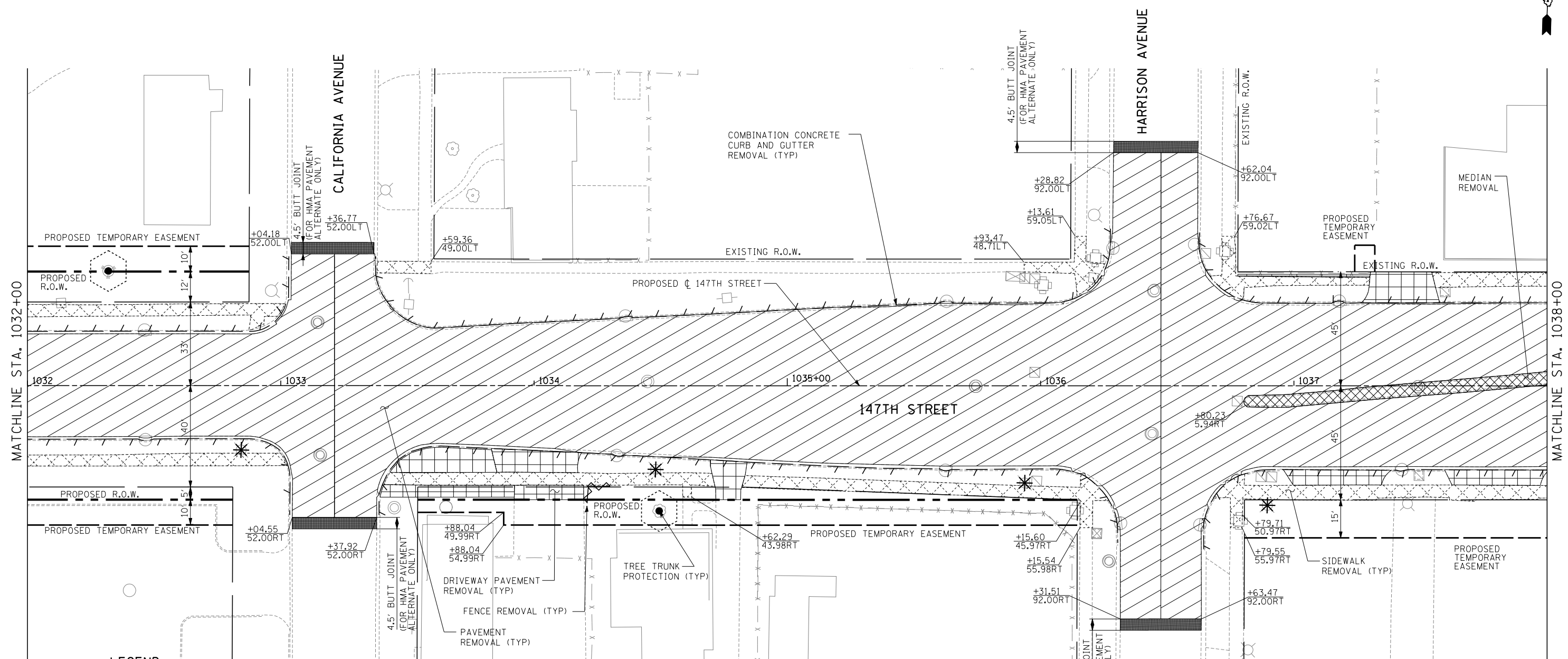
USER NAME =	DESIGNED -	REVISED -
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PLOT DATE =	CHECKED -	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 5 OF 20 SHEETS STA. 1026+00 TO STA. 1032+00



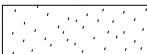
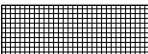









F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	41
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	



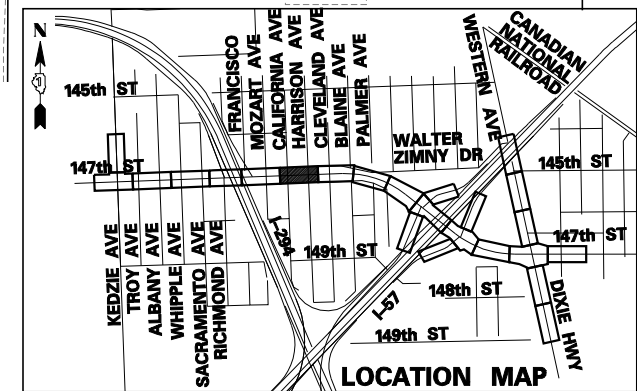
MATCHLINE STA. 1032+00

MATCHLINE STA. 1038+00

LEGEND:

- | | | | |
|---|-------------------------------------|---|---|
|  | PAVEMENT REMOVAL |  | DRIVEWAY PAVEMENT REMOVAL |
|  | PAVEMENT PATCHING, CLASS D, TYPE IV |  | HMA SURFACE REMOVAL |
|  | MEDIAN REMOVAL |  | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
|  | MEDIAN SURFACE REMOVAL |  | TREE TRUNK PROTECTION |
|  | SIDEWALK REMOVAL |  | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
|  | PAVED SHOULDER REMOVAL |  | CHAIN LINK FENCE REMOVAL |
| | |  | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

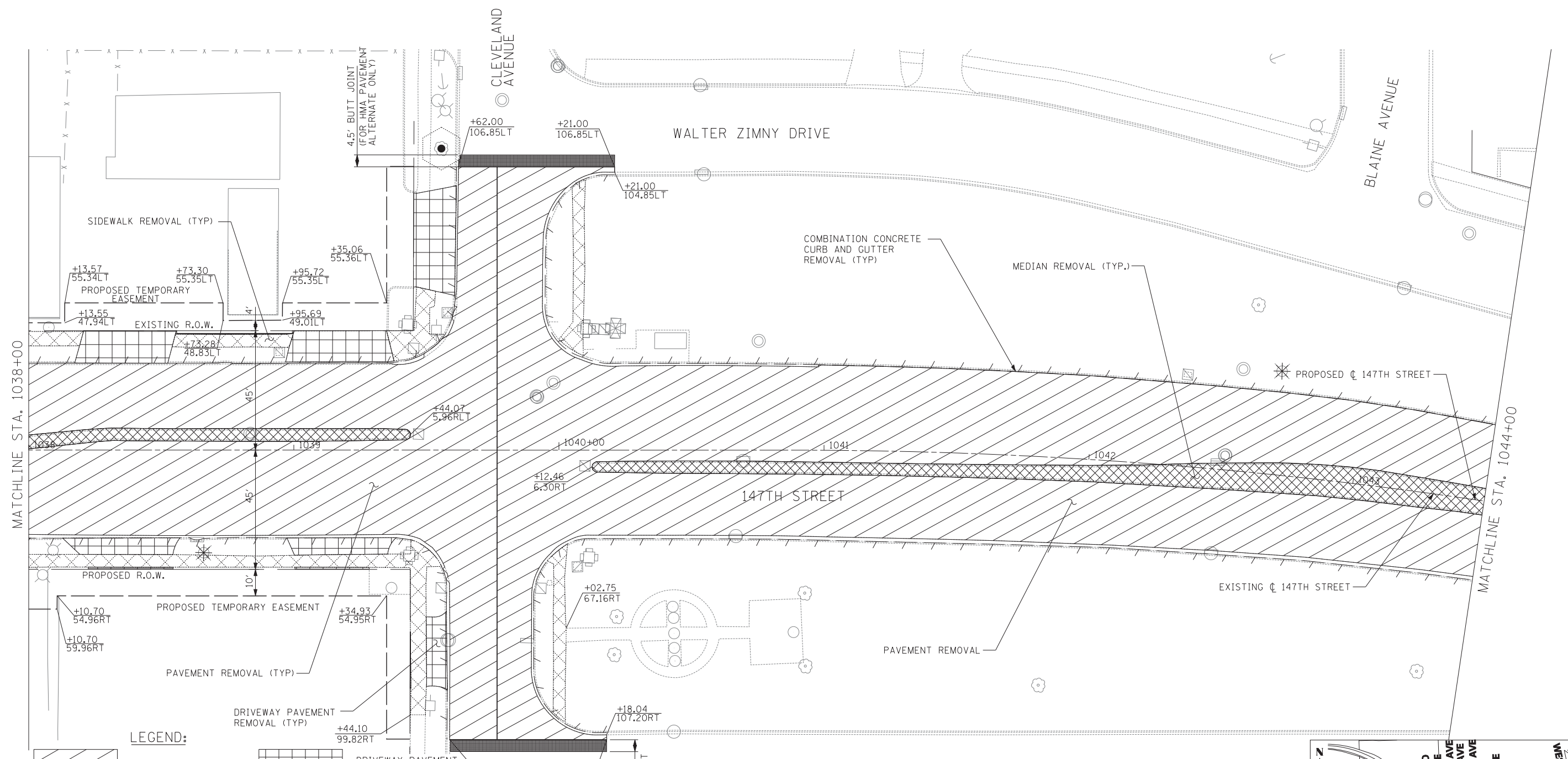
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PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE - 5/23/2012	REVISED - 8/1/2012

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 6 OF 20 SHEETS STA. 1032+00 TO STA. 1038+00

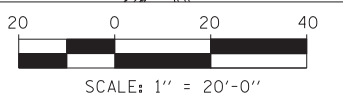
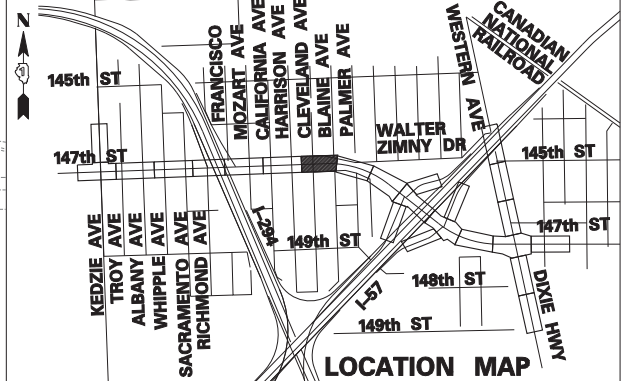
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	42
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND:

- PAVEMENT REMOVAL
- PAVEMENT PATCHING, CLASS D, TYPE IV
- MEDIAN REMOVAL
- MEDIAN SURFACE REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- HMA SURFACE REMOVAL
- TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
- TREE TRUNK PROTECTION
- LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS)
- CHAIN LINK FENCE REMOVAL
- COMB CONC CURB & GUTTER REMOVAL

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

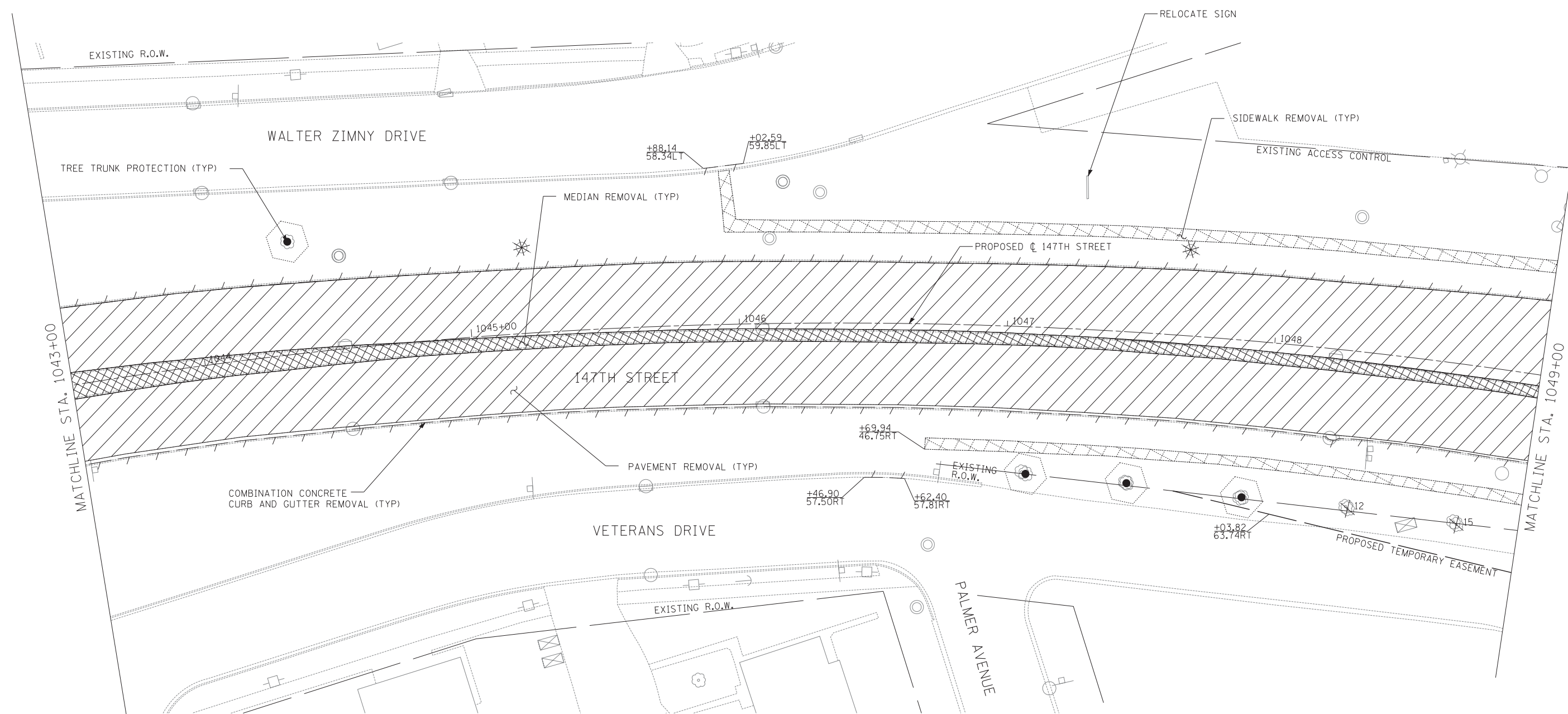
SCALE: 1"=20' SHEET NO. 7 OF 20 SHEETS STA. 1038+00 TO STA. 1044+00

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	43
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				



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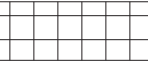
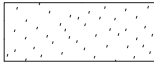
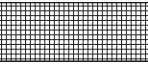
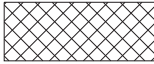

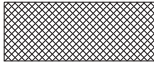



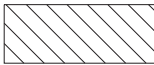


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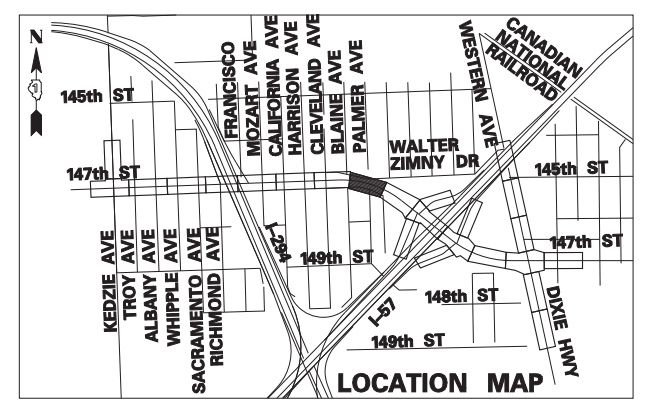
MATCHLINE STA. 1043+00

MATCHLINE STA. 1049+00

LEGEND:

	PAVEMENT REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT PATCHING, CLASS D, TYPE IV		HMA SURFACE REMOVAL
	MEDIAN REMOVAL		TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
	MEDIAN SURFACE REMOVAL		TREE TRUNK PROTECTION
	SIDEWALK REMOVAL		LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS)
	PAVED SHOULDER REMOVAL		CHAIN LINK FENCE REMOVAL
			COMB CONC CURB & GUTTER REMOVAL

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

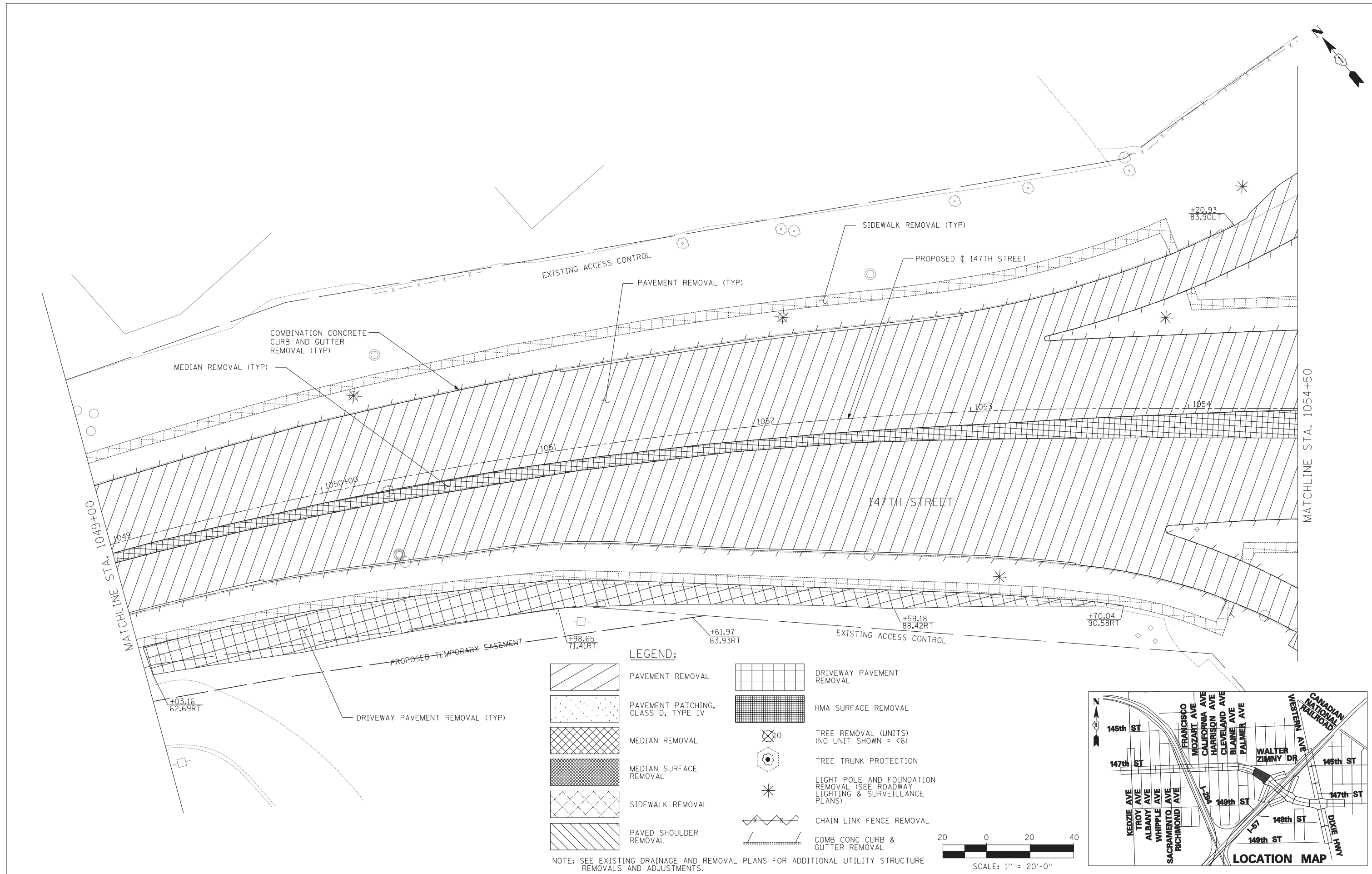
USER NAME =	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISIONS -
PLOT SCALE =	CHECKED -	REVISOR -
PLOT DATE =	DATE - 5/23/2012	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 8 OF 20 SHEETS STA. 1043+00 TO STA. 1049+00

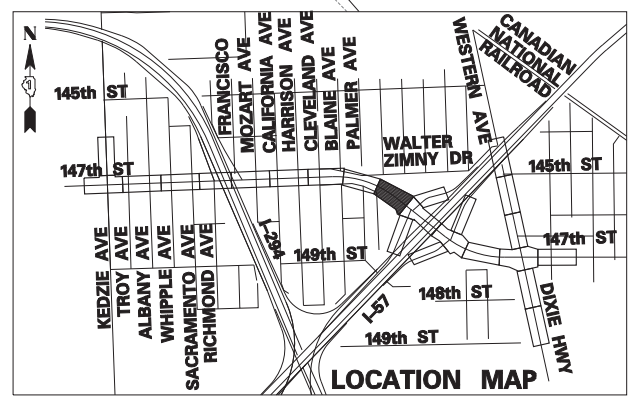
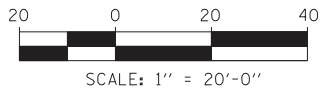
F.A.I. R.E. XX	SECTION (0405-1 & 0506-2) R-1	COUNTY COOK	TOTAL SHEETS 577	SHEET NO. 44
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60M57		



LEGEND:

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT PATCHING, CLASS D, TYPE IV
- HMA SURFACE REMOVAL
- MEDIAN REMOVAL
- MEDIAN SURFACE REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
- TREE TRUNK PROTECTION
- LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS)
- CHAIN LINK FENCE REMOVAL
- COMB CONC CURB & GUTTER REMOVAL

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.

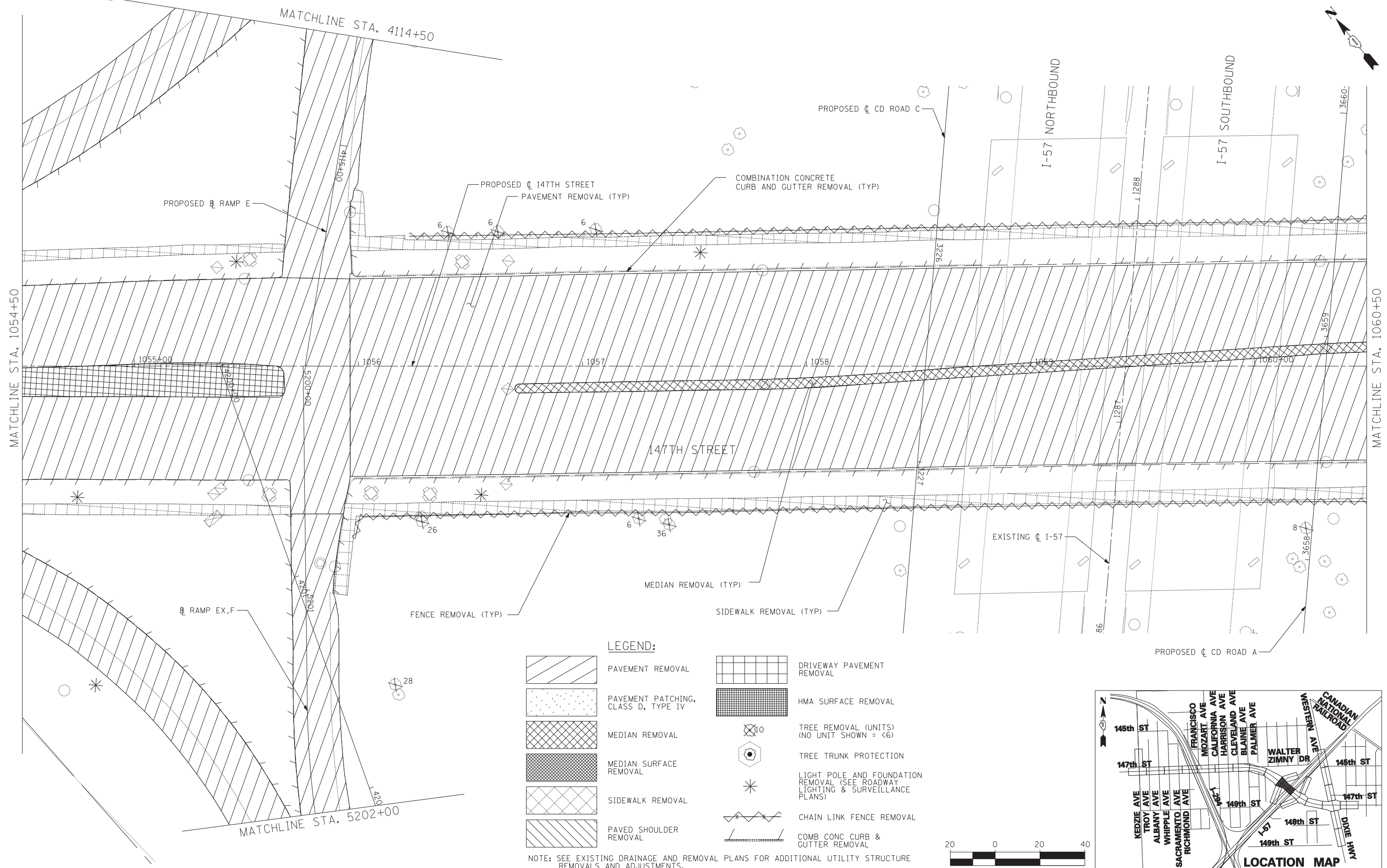


TYLIN INTERNATIONAL	USER NAME =	DESIGNED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -
		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT REMOVAL PLANS - 147TH STREET			
SCALE: 1"=20'	SHEET NO. 9 OF 20 SHEETS	STA. 1049+00 TO STA. 1054+50	

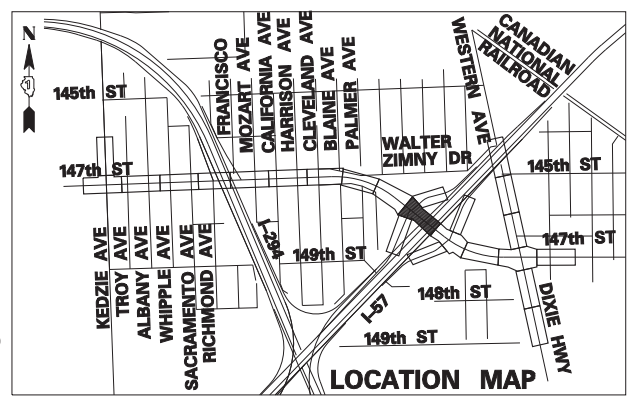
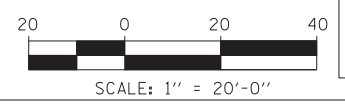
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	45
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	



LEGEND:

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT PATCHING, CLASS D, TYPE IV
- HMA SURFACE REMOVAL
- MEDIAN REMOVAL
- TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
- MEDIAN SURFACE REMOVAL
- TREE TRUNK PROTECTION
- SIDEWALK REMOVAL
- LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS)
- PAVED SHOULDER REMOVAL
- CHAIN LINK FENCE REMOVAL
- COMB CONC CURB & GUTTER REMOVAL

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

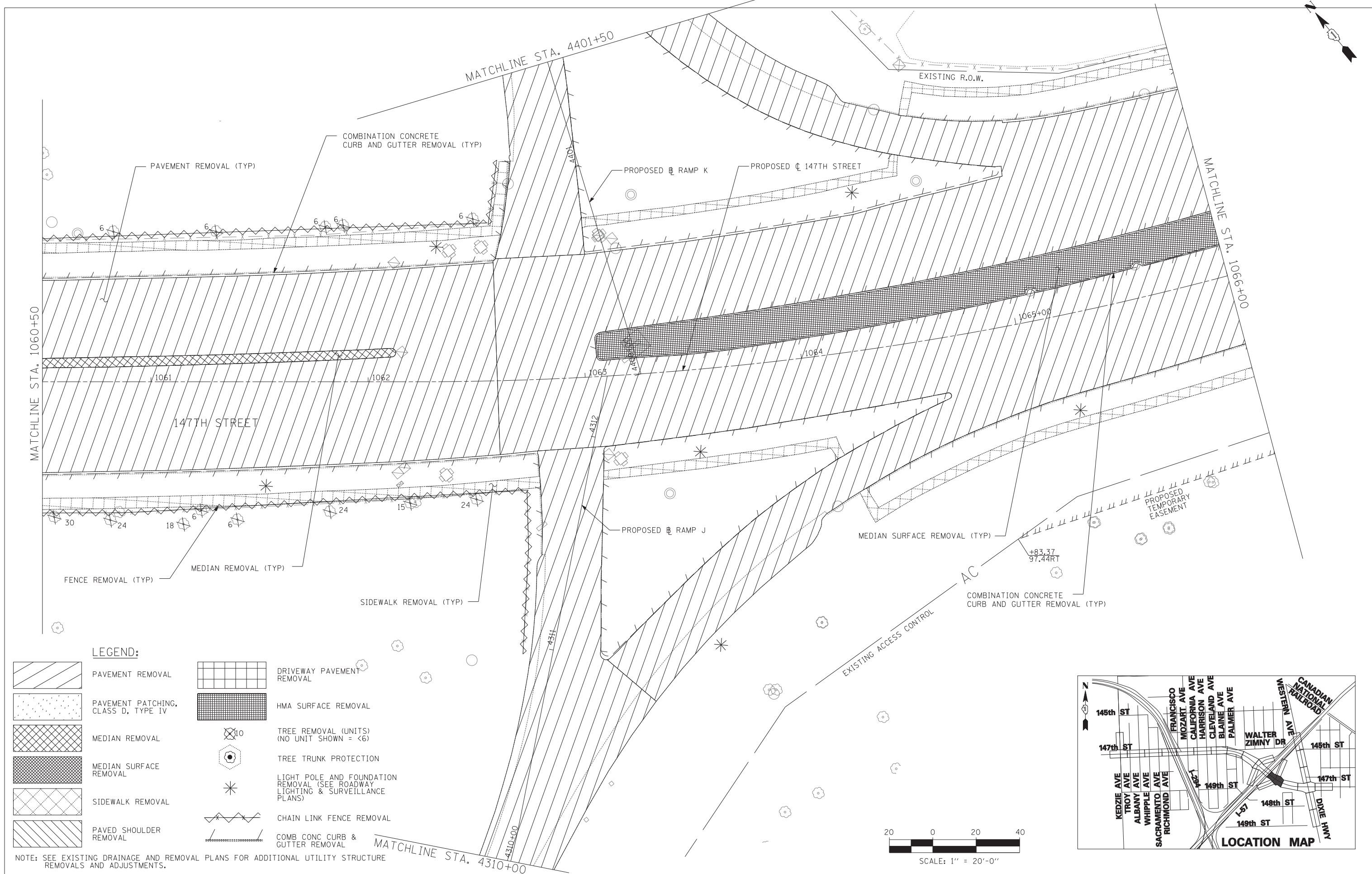
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 10 OF 20 SHEETS STA. 1054+50 TO STA. 1060+50

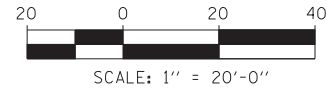
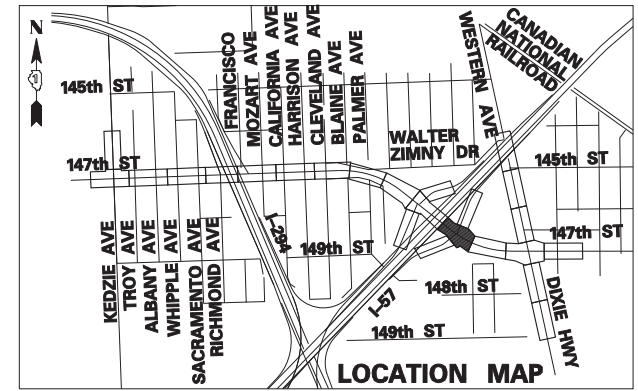
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	46
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				



LEGEND:

- | | | | |
|--|-------------------------------------|--|---|
| | PAVEMENT REMOVAL | | DRIVEWAY PAVEMENT REMOVAL |
| | PAVEMENT PATCHING, CLASS D, TYPE IV | | HMA SURFACE REMOVAL |
| | MEDIAN REMOVAL | | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
| | MEDIAN SURFACE REMOVAL | | TREE TRUNK PROTECTION |
| | SIDEWALK REMOVAL | | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
| | PAVED SHOULDER REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | | | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

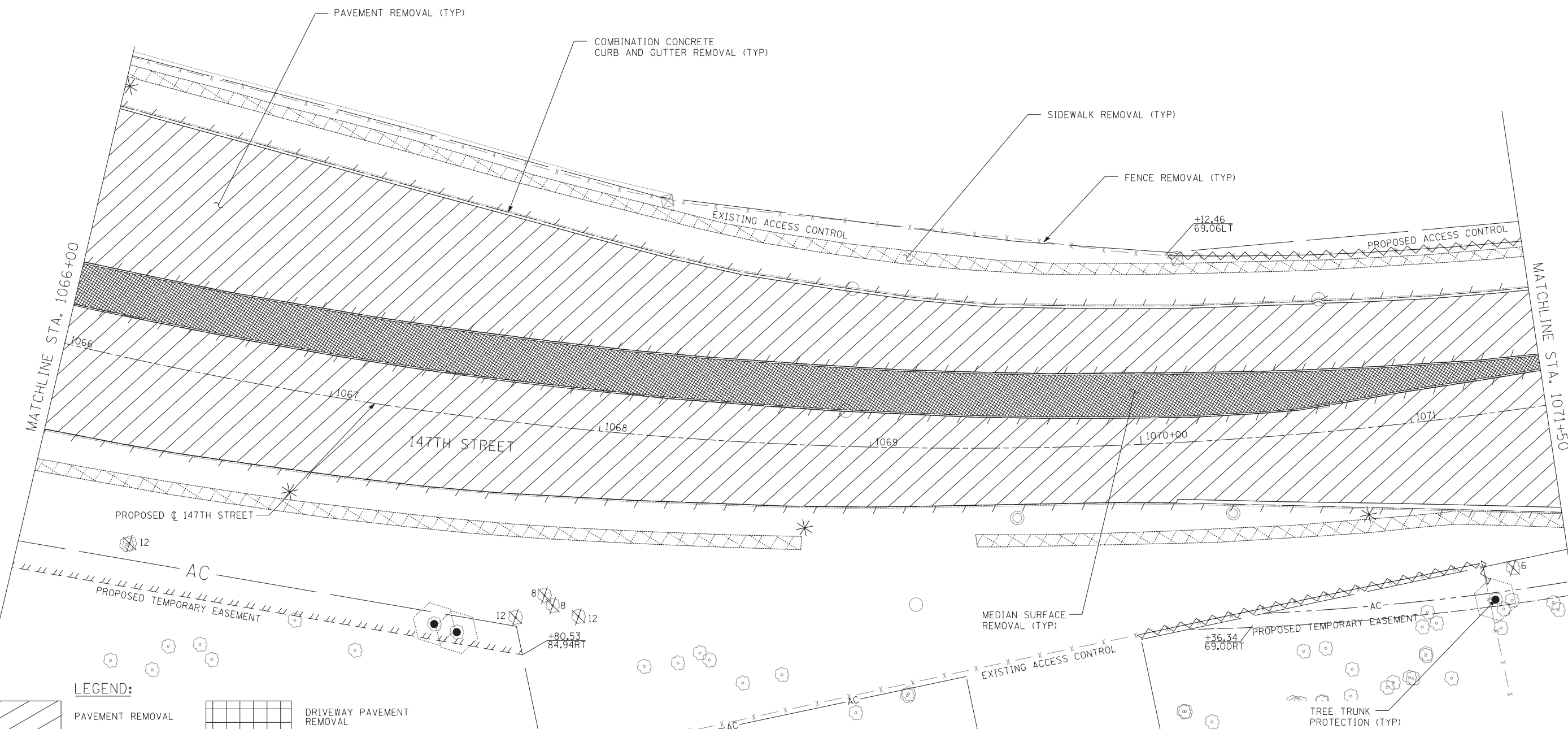
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 11 OF 20 SHEETS STA. 1060+50 TO STA. 1066+00

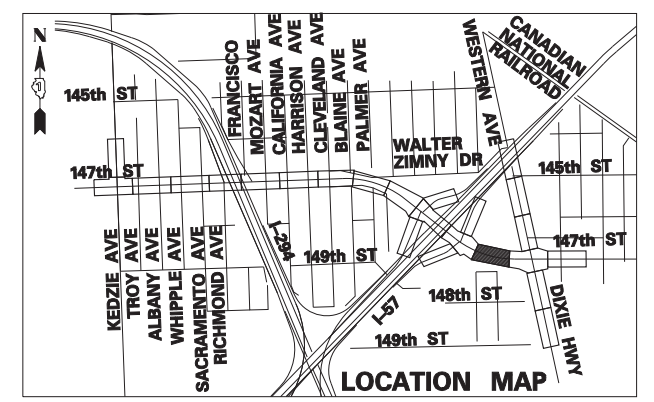
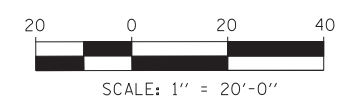
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	47
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				



LEGEND:

- | | | | |
|--|-------------------------------------|--|---|
| | PAVEMENT REMOVAL | | DRIVEWAY PAVEMENT REMOVAL |
| | PAVEMENT PATCHING, CLASS D, TYPE IV | | HMA SURFACE REMOVAL |
| | MEDIAN REMOVAL | | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
| | MEDIAN SURFACE REMOVAL | | TREE TRUNK PROTECTION |
| | SIDEWALK REMOVAL | | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
| | PAVED SHOULDER REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | | | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

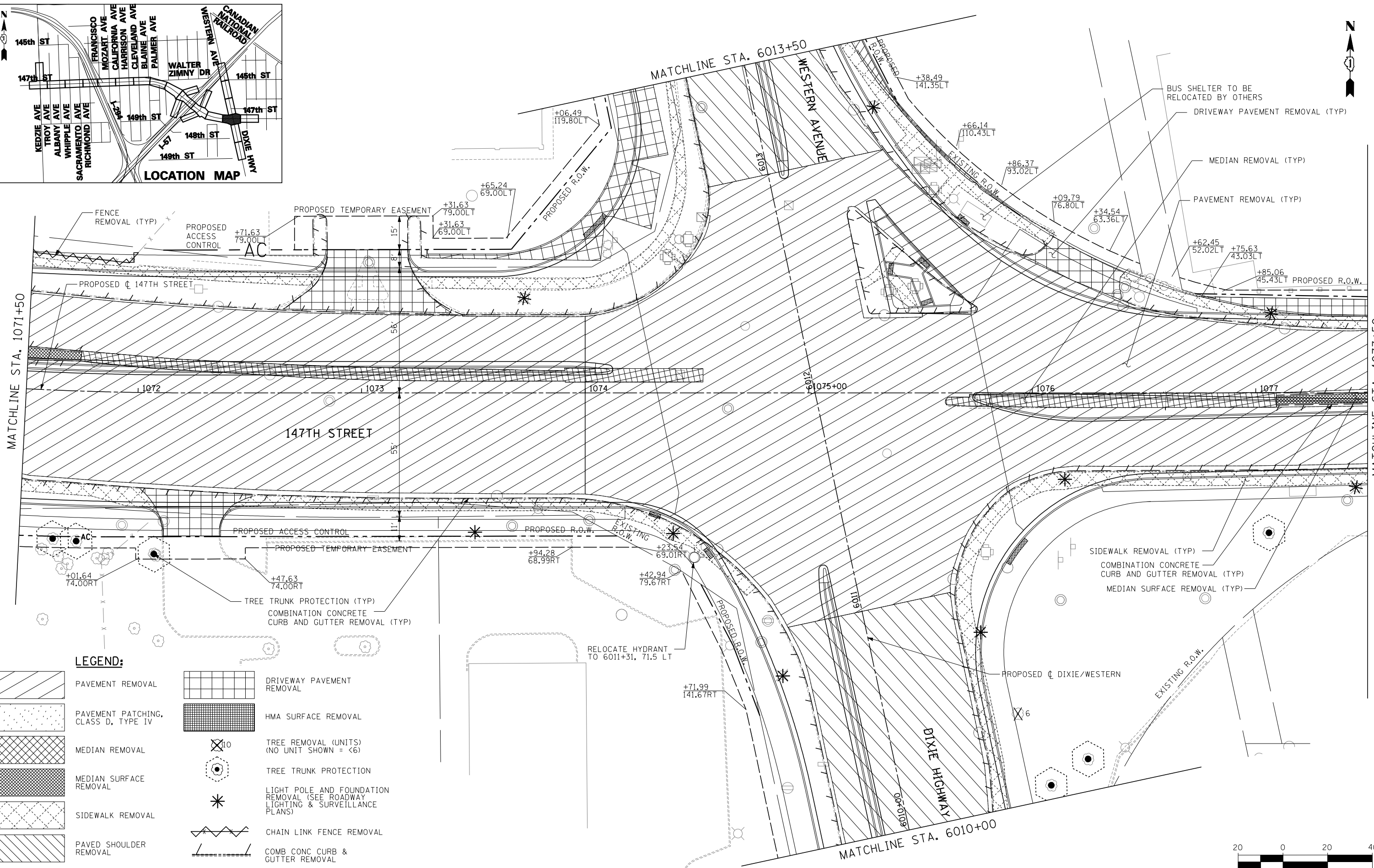
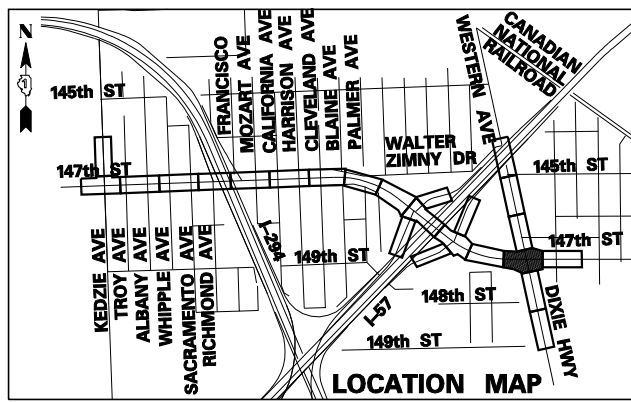
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

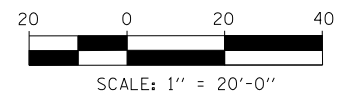
SCALE: 1"=20' SHEET NO. 12 OF 20 SHEETS STA. 1066+00 TO STA. 1071+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	48
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	

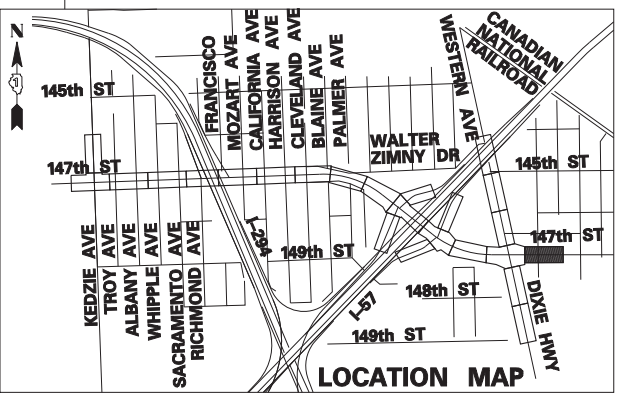
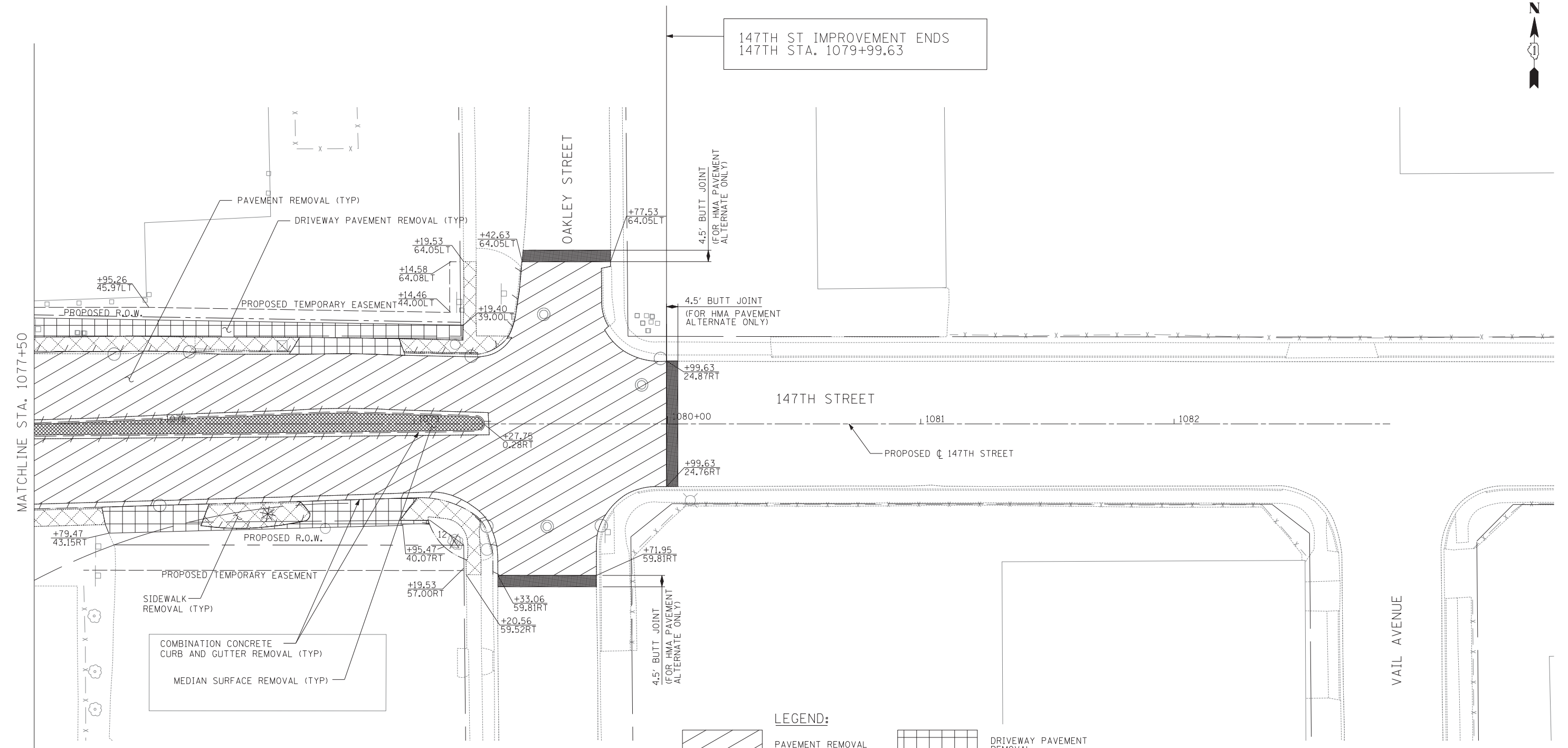
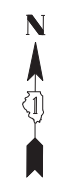


- LEGEND:**
- PAVEMENT REMOVAL
 - PAVEMENT PATCHING, CLASS D, TYPE IV
 - MEDIAN REMOVAL
 - MEDIAN SURFACE REMOVAL
 - SIDEWALK REMOVAL
 - PAVED SHOULDER REMOVAL
 - DRIVEWAY PAVEMENT REMOVAL
 - HMA SURFACE REMOVAL
 - TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
 - TREE TRUNK PROTECTION
 - LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS)
 - CHAIN LINK FENCE REMOVAL
 - COMB CONC CURB & GUTTER REMOVAL

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



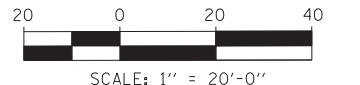
TYLIN INTERNATIONAL	USER NAME -	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT REMOVAL PLANS - 147TH STREET		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE -	DRAWN -	REVISED -		XX	(0405-1 & 0506-2) R-1	COOK	577	49		
	PLOT DATE -	CHECKED -	REVISED -		CONTRACT NO. 60M57						
DATE - 5/23/2012			REVISED -	SCALE: 1"=20'		SHEET NO. 13 OF 20 SHEETS	STA. 1071+50 TO STA. 1077+50	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	



LEGEND:

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT PATCHING, CLASS D, TYPE IV
- HMA SURFACE REMOVAL
- MEDIAN REMOVAL
- MEDIAN SURFACE REMOVAL
- SIDEWALK REMOVAL
- PAVED SHOULDER REMOVAL
- TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
- TREE TRUNK PROTECTION
- LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS)
- CHAIN LINK FENCE REMOVAL
- COMB CONC CURB & GUTTER REMOVAL

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL	USER NAME -	DESIGNED -	REVISED -
	PLOT SCALE -	DRAWN -	REVISED -
	PLOT DATE -	CHECKED -	REVISED -
		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

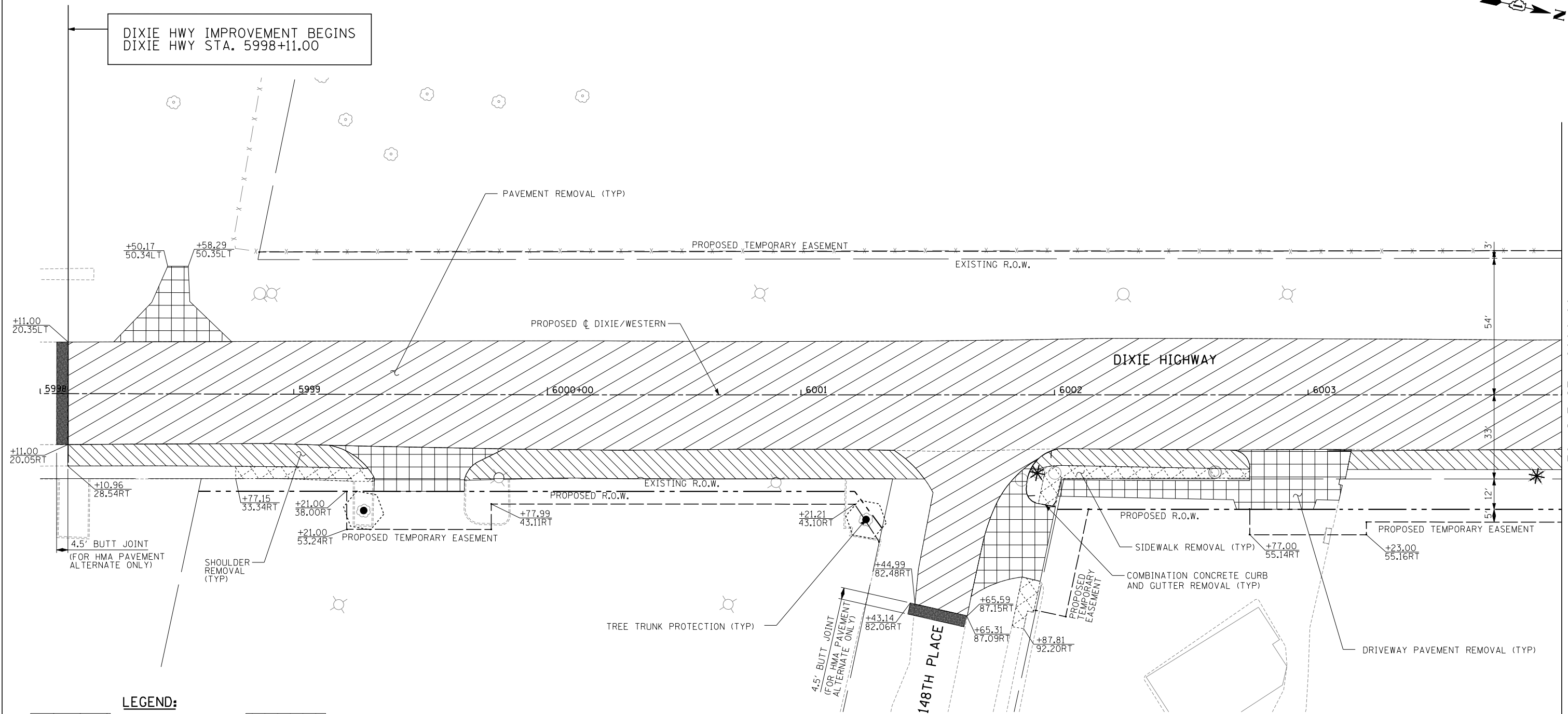
**147TH STREET PROJECT
REMOVAL PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 14 OF 20 SHEETS STA. 1077+50 TO STA. 1083+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	50
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				

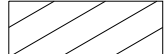
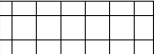
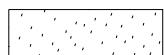







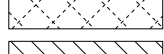
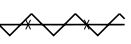
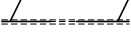


DIXIE HWY IMPROVEMENT BEGINS
DIXIE HWY STA. 5998+11.00

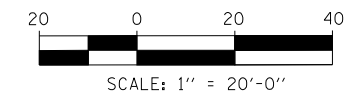
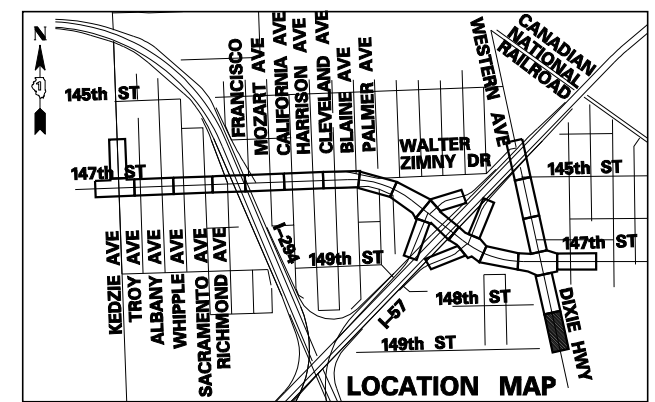


MATCHLINE STA. 6004+00

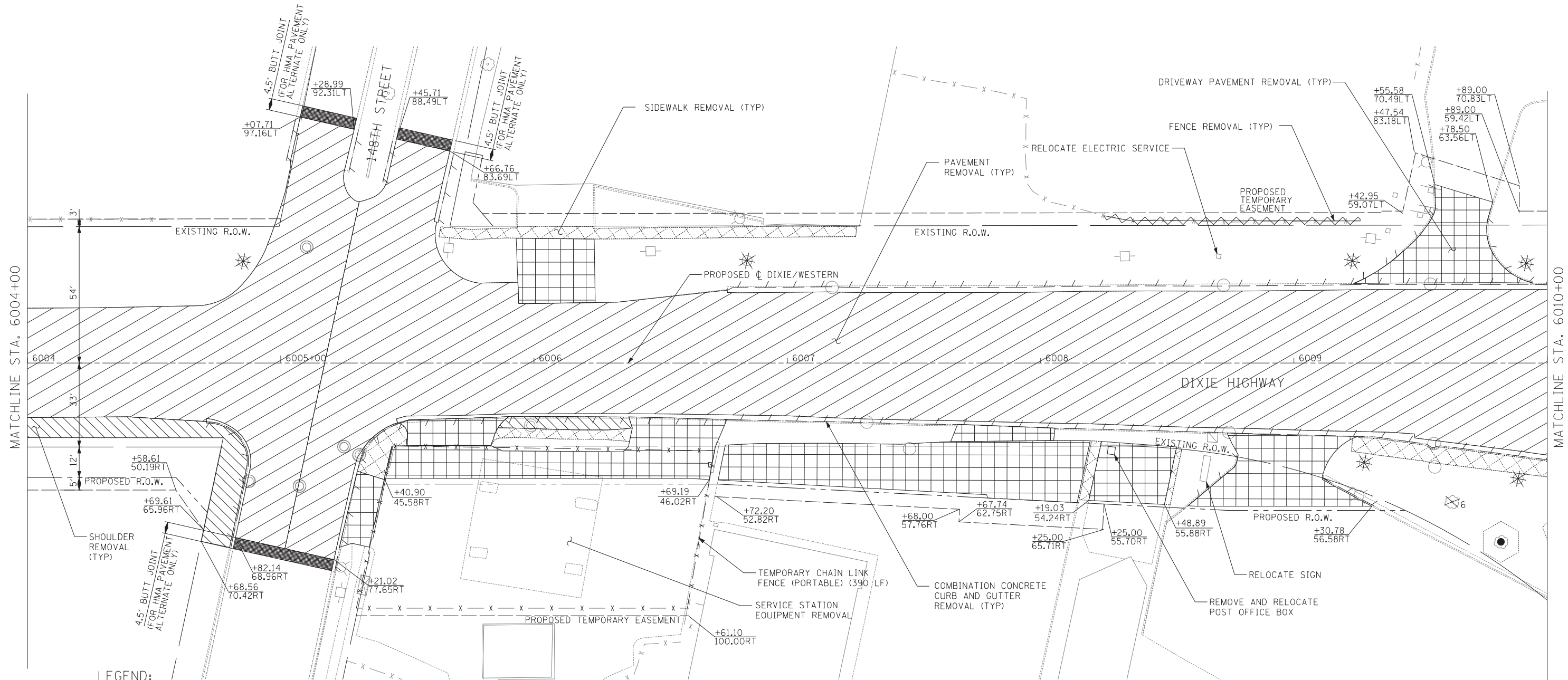
LEGEND:

- | | | | |
|---|-------------------------------------|---|---|
|  | PAVEMENT REMOVAL |  | DRIVEWAY PAVEMENT REMOVAL |
|  | PAVEMENT PATCHING, CLASS D, TYPE IV |  | HMA SURFACE REMOVAL |
|  | MEDIAN REMOVAL |  | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
|  | MEDIAN SURFACE REMOVAL |  | TREE TRUNK PROTECTION |
|  | SIDEWALK REMOVAL |  | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
|  | PAVED SHOULDER REMOVAL |  | CHAIN LINK FENCE REMOVAL |
| | |  | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.




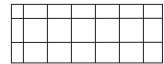
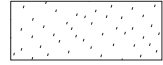
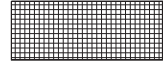







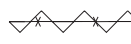

TYLIN INTERNATIONAL	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT REMOVAL PLANS - DIXIE HWY/WESTERN AVE			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN -	REVISED -		SCALE: 1"=20'	SHEET NO. 15 OF 20 SHEETS	STA. 5998+00 TO STA. 6004+00	XX	(0405-1 & 0506-2) R-1	COOK	577	51
	PLOT DATE =	CHECKED -	REVISED -									
		DATE - 5/23/2012	REVISED -									
							CONTRACT NO. 60M57					
							ILLINOIS FED. AID PROJECT					



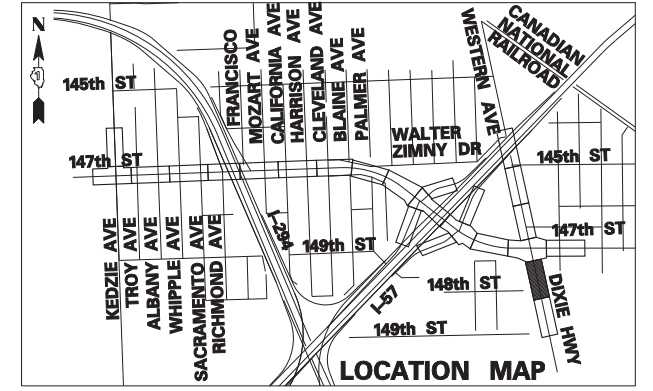
MATCHLINE STA. 6004+00

MATCHLINE STA. 6010+00

LEGEND:

- | | | | |
|---|-------------------------------------|---|---|
|  | PAVEMENT REMOVAL |  | DRIVEWAY PAVEMENT REMOVAL |
|  | PAVEMENT PATCHING, CLASS D, TYPE IV |  | HMA SURFACE REMOVAL |
|  | MEDIAN REMOVAL |  | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
|  | MEDIAN SURFACE REMOVAL |  | TREE TRUNK PROTECTION |
|  | SIDEWALK REMOVAL |  | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
|  | PAVED SHOULDER REMOVAL |  | CHAIN LINK FENCE REMOVAL |
| | |  | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

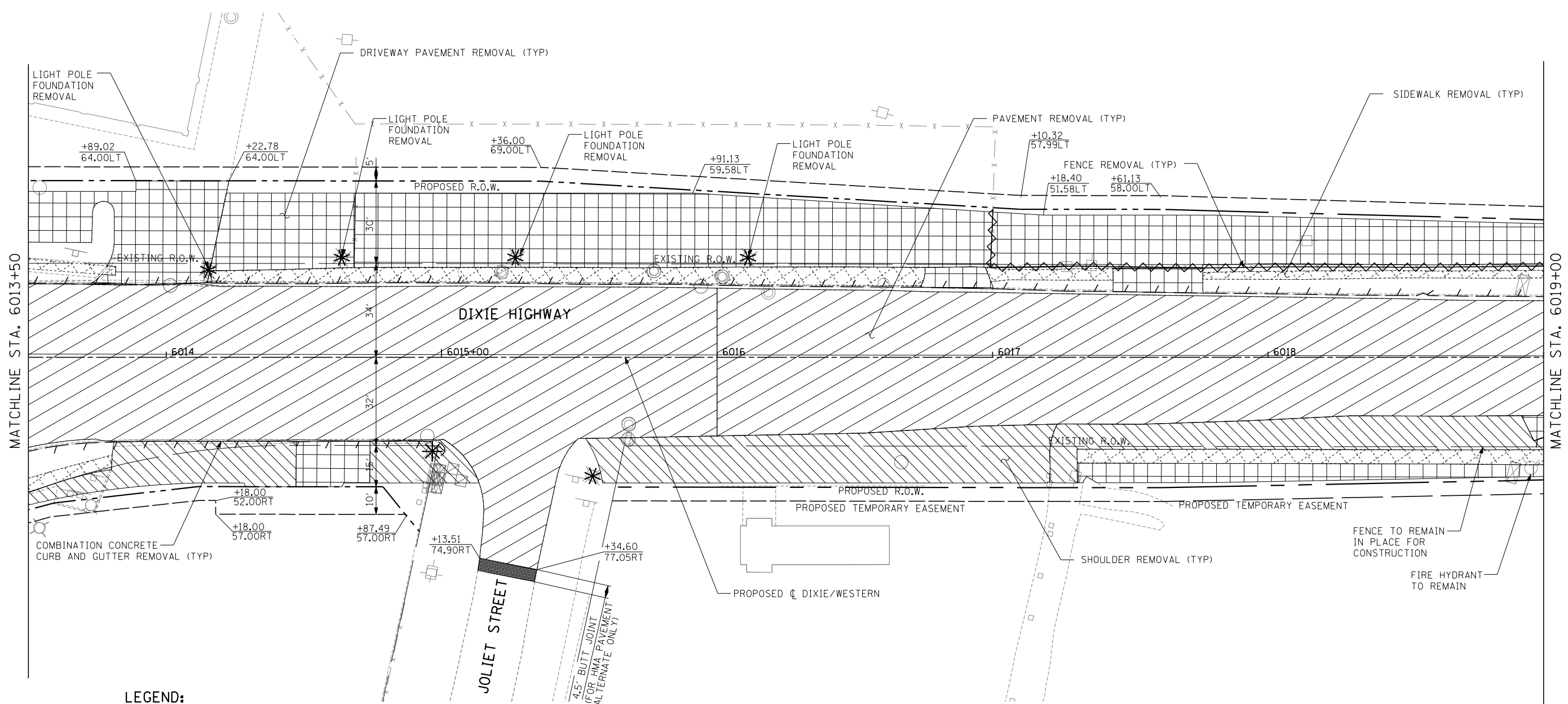
USER NAME =	DESIGNED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - DIXIE HWY/WESTERN AVE**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	52
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

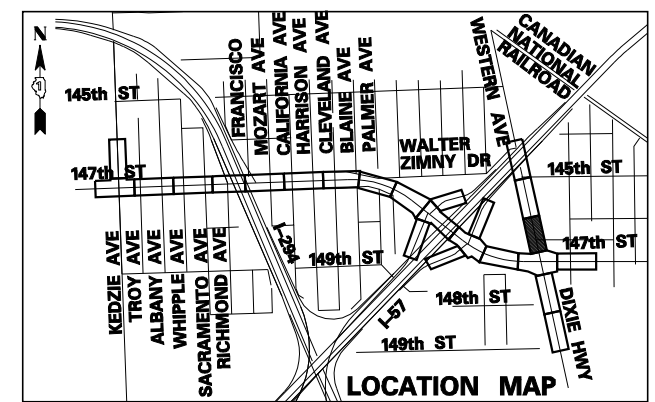
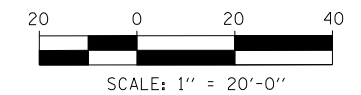
SCALE: 1"=20' SHEET NO. 16 OF 20 SHEETS STA. 6004+00 TO STA. 6010+00



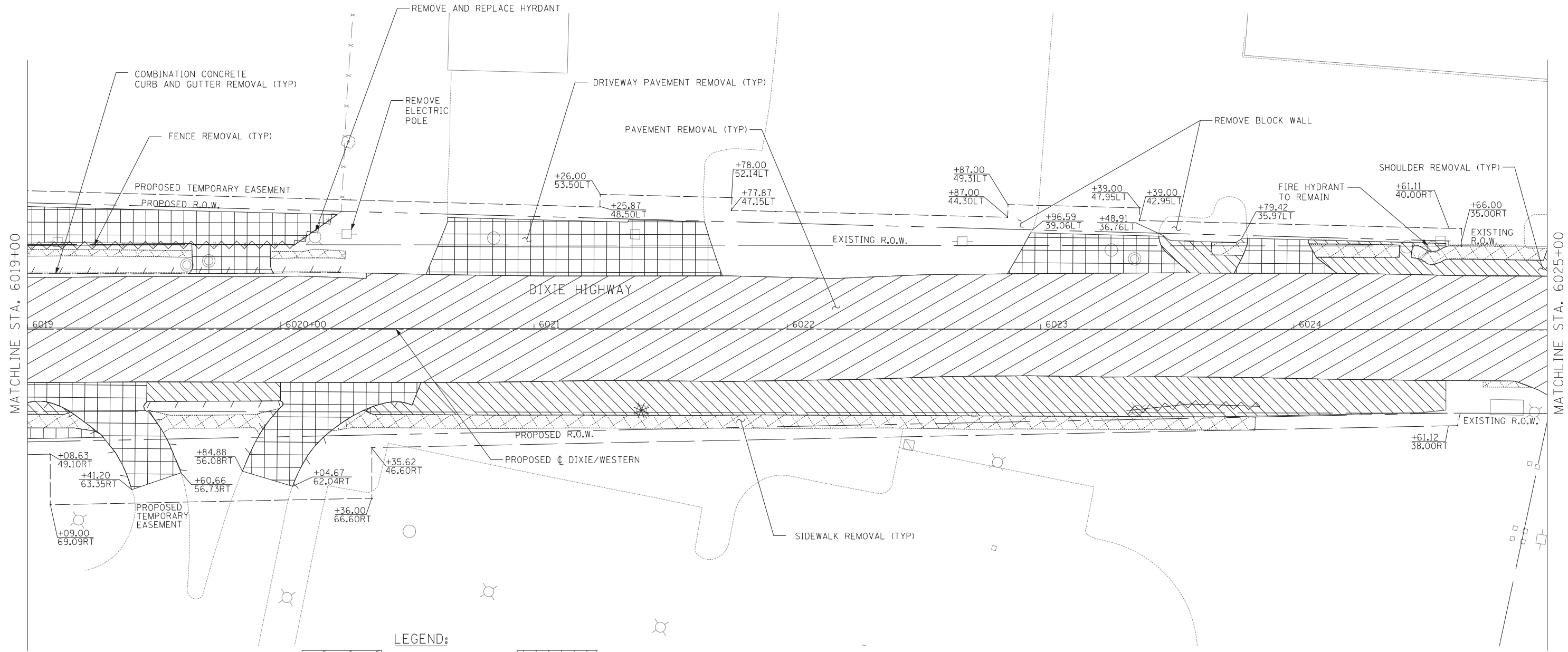
LEGEND:

- | | | | |
|--|-------------------------------------|--|---|
| | PAVEMENT REMOVAL | | DRIVEWAY PAVEMENT REMOVAL |
| | PAVEMENT PATCHING, CLASS D, TYPE IV | | HMA SURFACE REMOVAL |
| | MEDIAN REMOVAL | | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
| | MEDIAN SURFACE REMOVAL | | TREE TRUNK PROTECTION |
| | SIDEWALK REMOVAL | | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
| | PAVED SHOULDER REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | | | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



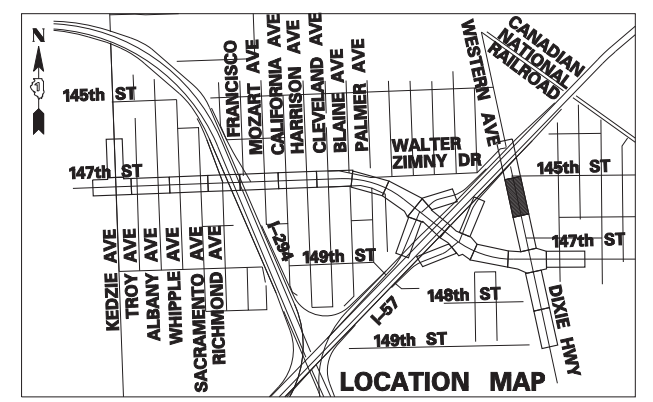
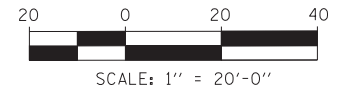
TYLIN INTERNATIONAL	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT REMOVAL PLANS - DIXIE HWY/WESTERN AVE		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	DRAWN -	REVISED -		SCALE: 1"=20'	SHEET NO. 17 OF 20 SHEETS	STA. 6013+50 TO STA. 6019+00	XX	(0405-1 & 0506-2) R-1	COOK	577	53
	PLOT DATE =	CHECKED -	REVISED -						CONTRACT NO. 60M57			
		DATE - 5/23/2012	REVISED -					FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND:

	PAVEMENT REMOVAL		DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT PATCHING, CLASS D, TYPE IV		HMA SURFACE REMOVAL
	MEDIAN REMOVAL		TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
	MEDIAN SURFACE REMOVAL		TREE TRUNK PROTECTION
	SIDEWALK REMOVAL		LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS)
	PAVED SHOULDER REMOVAL		CHAIN LINK FENCE REMOVAL
			COMB CONC CURB & GUTTER REMOVAL

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



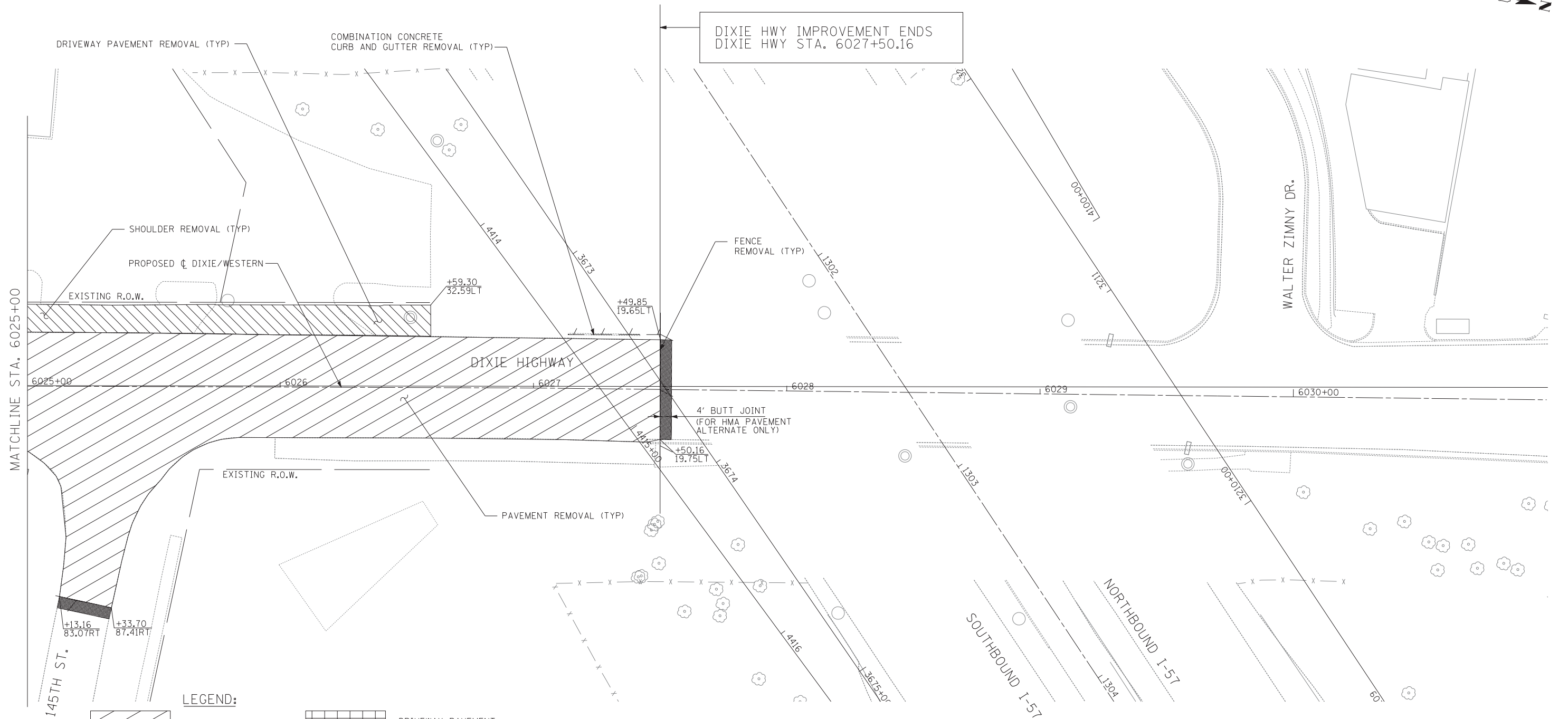
TYLIN INTERNATIONAL

USER NAME =	DESIGNED -	REVISED -
DRAWN -	REVISOR -	
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
REMOVAL PLANS - DIXIE HWY/WESTERN AVE**

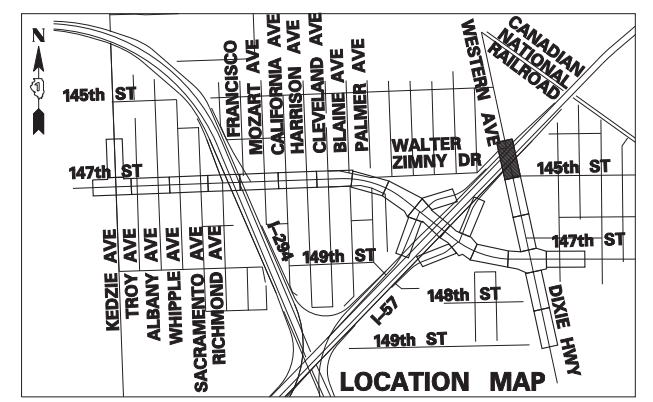
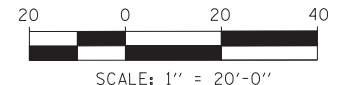
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	54
SCALE: 1"=20'		SHEET NO. 18 OF 20 SHEETS		STA. 6019+00 TO STA. 6025+00
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60M57



LEGEND:

- | | | | |
|--|-------------------------------------|--|---|
| | PAVEMENT REMOVAL | | DRIVEWAY PAVEMENT REMOVAL |
| | PAVEMENT PATCHING, CLASS D, TYPE IV | | HMA SURFACE REMOVAL |
| | MEDIAN REMOVAL | | TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6) |
| | MEDIAN SURFACE REMOVAL | | TREE TRUNK PROTECTION |
| | SIDEWALK REMOVAL | | LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS) |
| | PAVED SHOULDER REMOVAL | | CHAIN LINK FENCE REMOVAL |
| | | | COMB CONC CURB & GUTTER REMOVAL |

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.

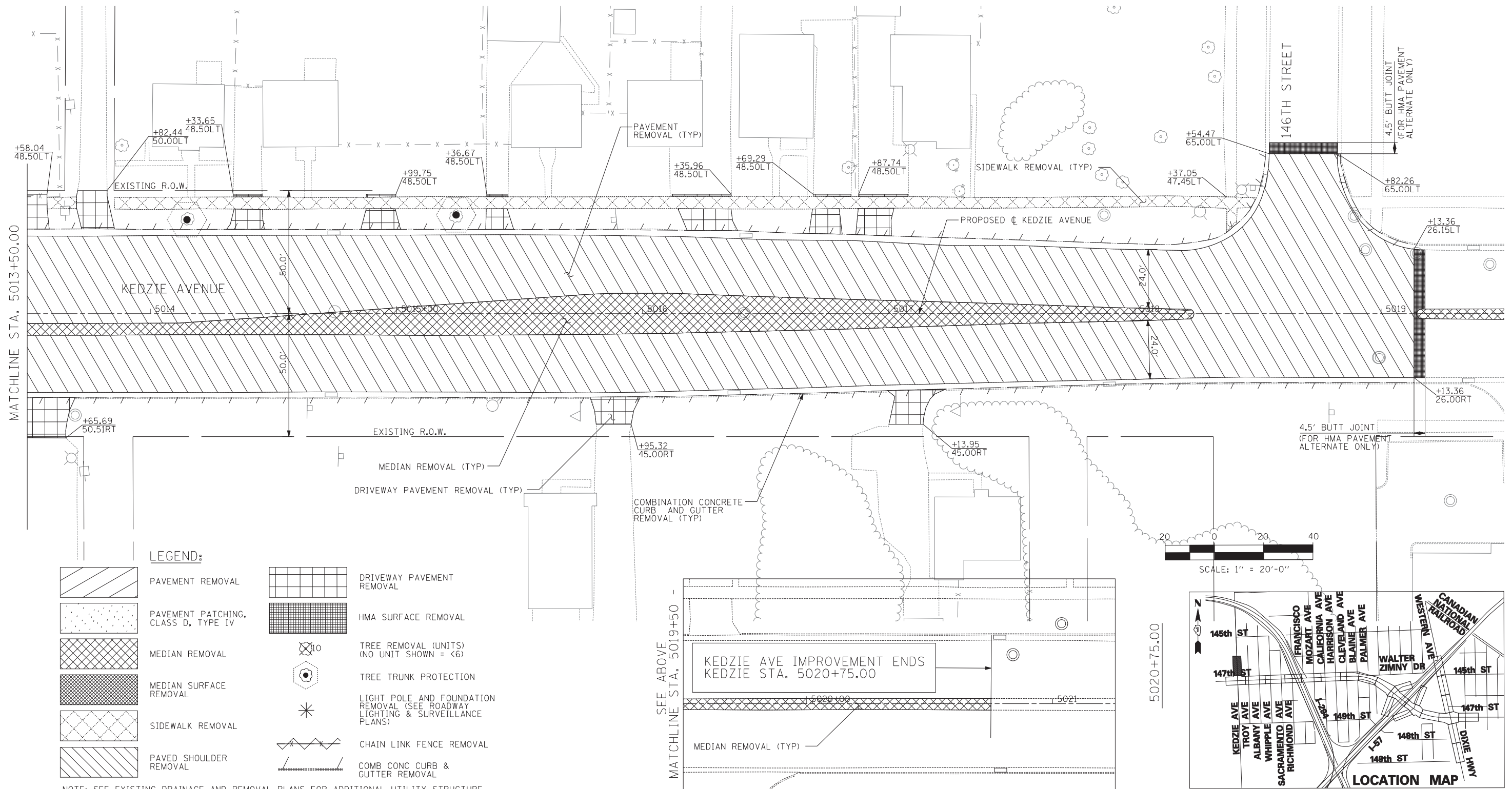


TYLIN INTERNATIONAL	USER NAME =	DESIGNED -	REVISED -
	PLOT SCALE =	DRAWN -	REVISED -
	PLOT DATE =	CHECKED -	REVISED -
		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT REMOVAL PLANS - DIXIE HWY/WESTERN AVE			
SCALE: 1"=20'	SHEET NO. 19 OF 20 SHEETS	STA. 6025+00 TO STA. 6027+50	

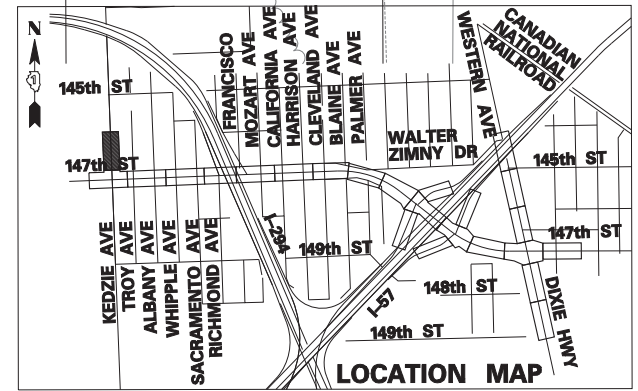
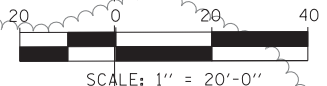
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	55
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	



LEGEND:

- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT PATCHING, CLASS D, TYPE IV
- HMA SURFACE REMOVAL
- MEDIAN REMOVAL
- TREE REMOVAL (UNITS) (NO UNIT SHOWN = <6)
- TREE TRUNK PROTECTION
- MEDIAN SURFACE REMOVAL
- LIGHT POLE AND FOUNDATION REMOVAL (SEE ROADWAY LIGHTING & SURVEILLANCE PLANS)
- SIDEWALK REMOVAL
- CHAIN LINK FENCE REMOVAL
- PAVED SHOULDER REMOVAL
- COMB CONC CURB & GUTTER REMOVAL

NOTE: SEE EXISTING DRAINAGE AND REMOVAL PLANS FOR ADDITIONAL UTILITY STRUCTURE REMOVALS AND ADJUSTMENTS.



TYLIN INTERNATIONAL

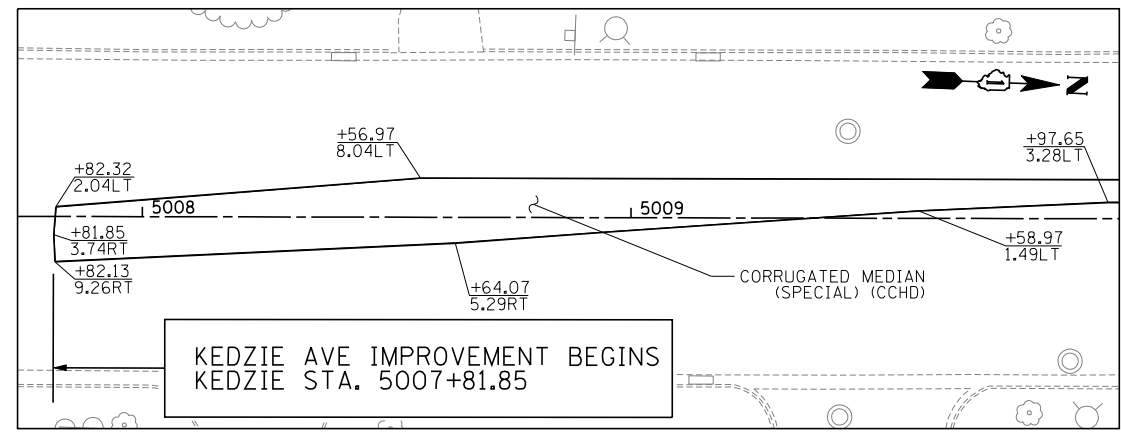
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PLOT SCALE =	DRAWN - DM	REVISED -
PLOT DATE =	CHECKED - JPM	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

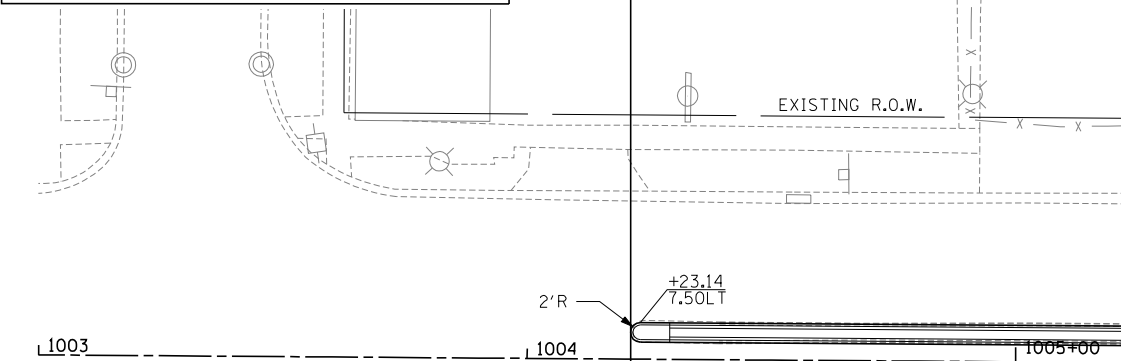
**147TH STREET PROJECT
REMOVAL PLANS - KEDZIE AVENUE**

SCALE: 1"=20' SHEET NO. 20 OF 20 SHEETS STA. 5013+50 TO STA. 5018+13.36

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	56
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS FED. AID PROJECT				



147TH ST IMPROVEMENT BEGINS
147TH STA. 1004+21.14



147TH STREET

KEDZIE AVE PAVEMENT

- 10" PORTLAND CEMENT CONCRETE (JOINTED)
- 12" AGGREGATE SUBGRADE

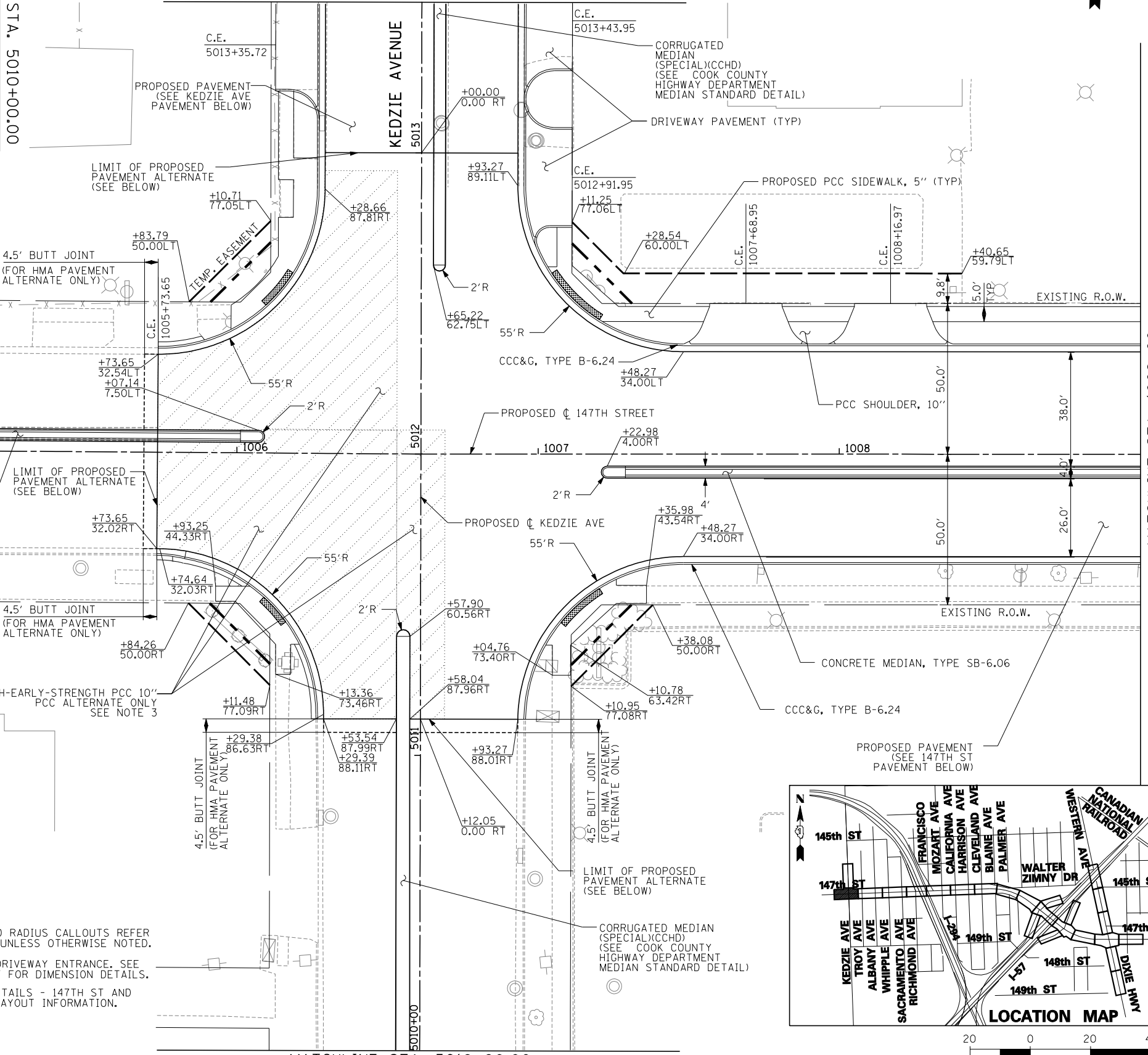
147TH STREET (IL-83) PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9 1/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

- NOTES**
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.
 3. SEE INTERSECTION DETAILS - 147TH ST AND KEDZIE AVE FOR MORE LAYOUT INFORMATION.

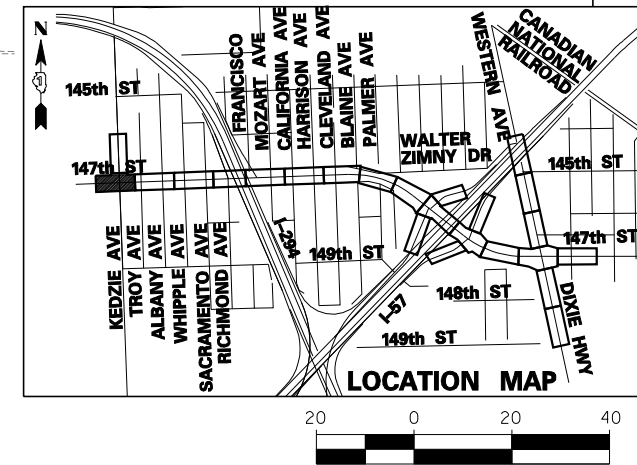
MATCHLINE STA. 5010+00.00

SEE SHEET 24
MATCHLINE STA. 5013+50.00



MATCHLINE STA. 5010+00.00
SEE ABOVE

MATCHLINE STA. 1009+00



SCALE: 1" = 20'-0"

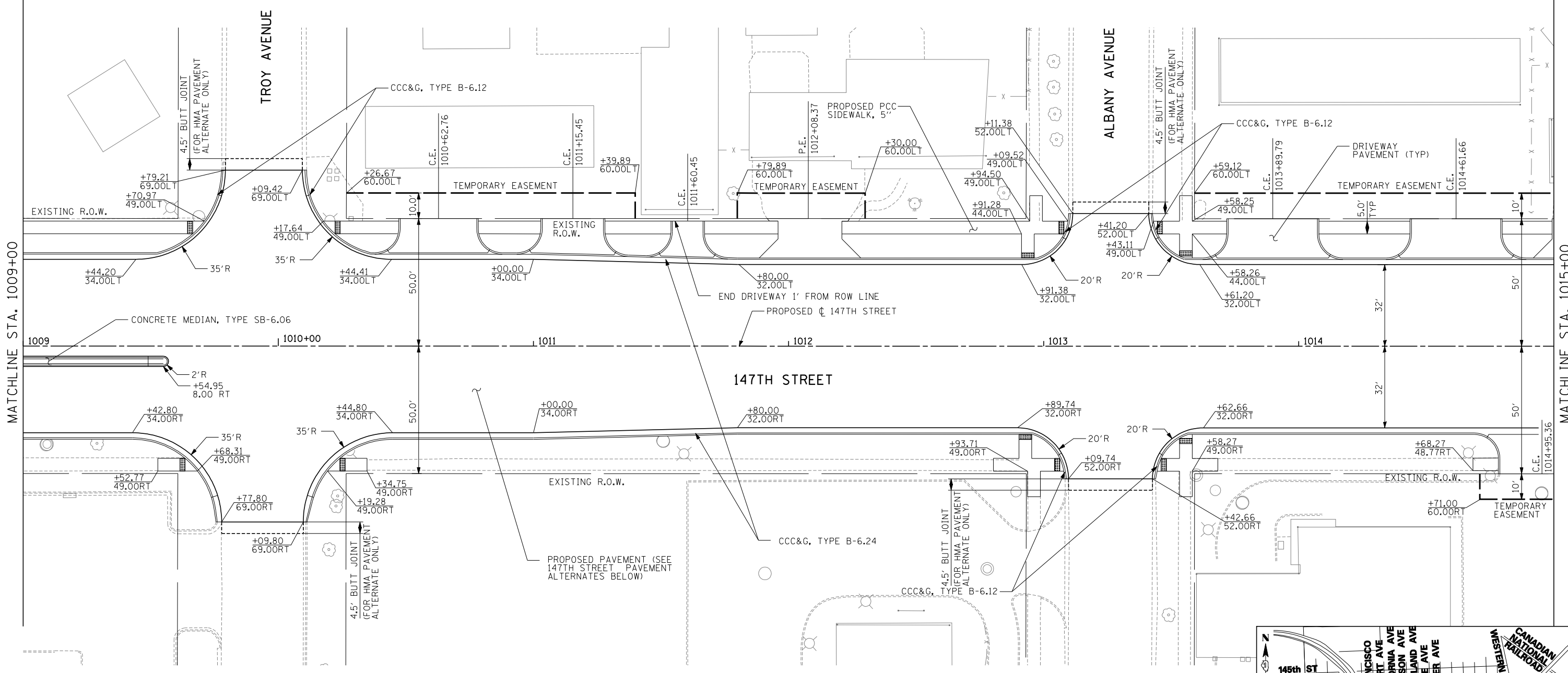
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -
	PLOT SCALE =	DRAWN - DM	REVISED -
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED PLANS - 147TH STREET**

SCALE: 1"=20'	SHEET NO. 1 OF 25 SHEETS	STA. 1003+00 TO STA. 1009+00
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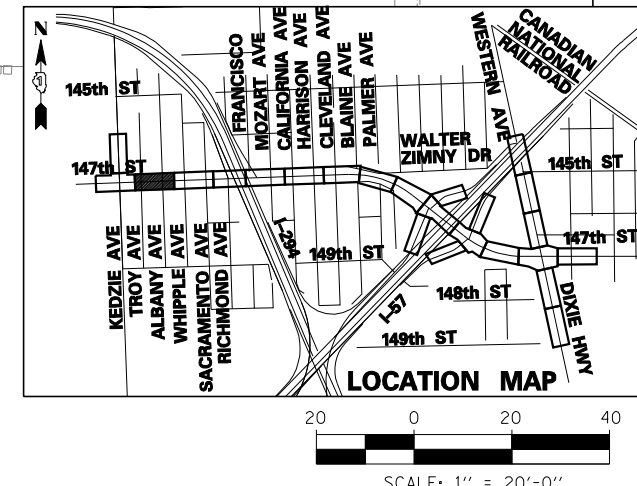
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	57
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	



147TH STREET (IL-83) PAVEMENT ALTERNATES

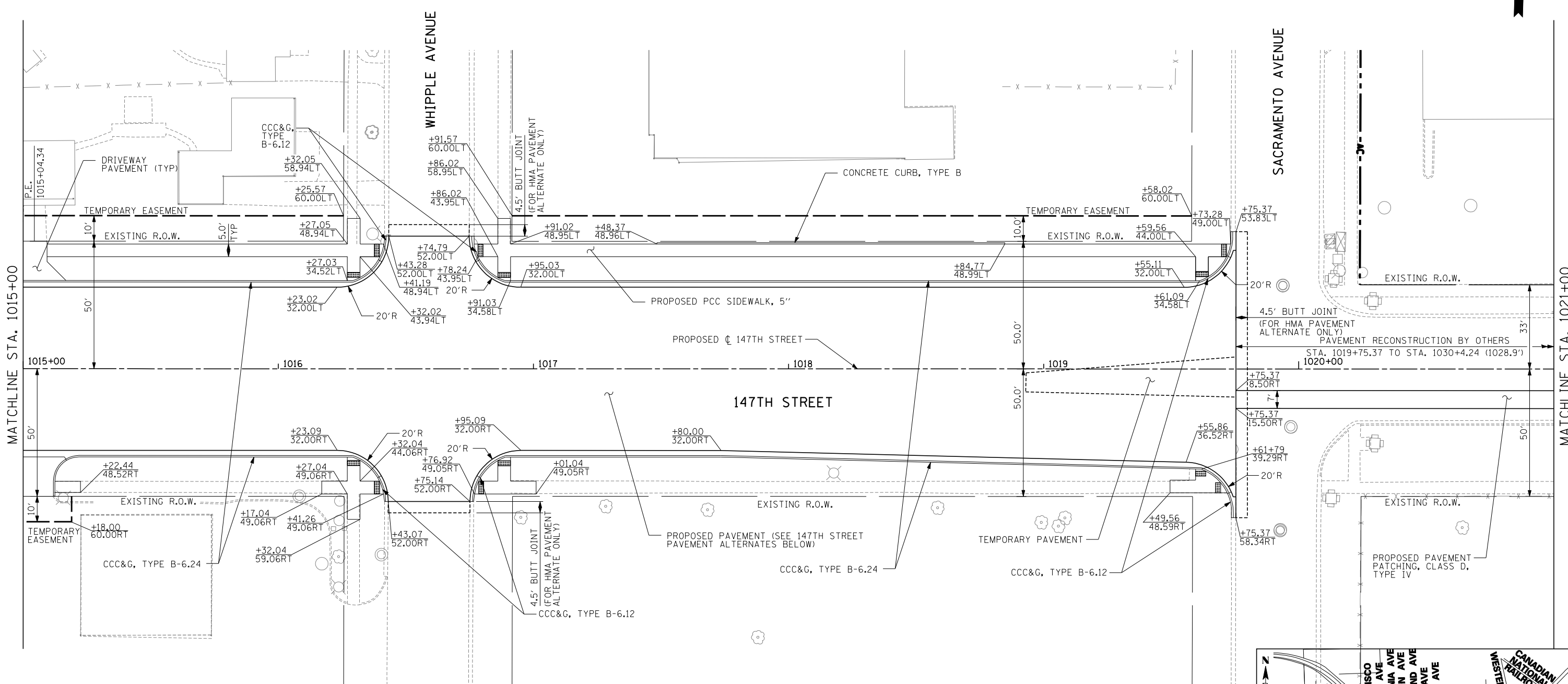
HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

NOTES
 1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.



SCALE: 1" = 20'-0"

TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - DM DRAWN - DM CHECKED - JPM DATE - 5/23/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT PROPOSED PLANS - 147TH STREET		F.A.I. RTE. XX SECTION (0405-1 & 0506-2) R-1 COUNTY COOK TOTAL SHEETS 577 SHEET NO. 58
	SCALE: 1"=20' SHEET NO. 2 OF 25 SHEETS STA. 1009+00 TO STA. 1015+00			CONTRACT NO. 60M57 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



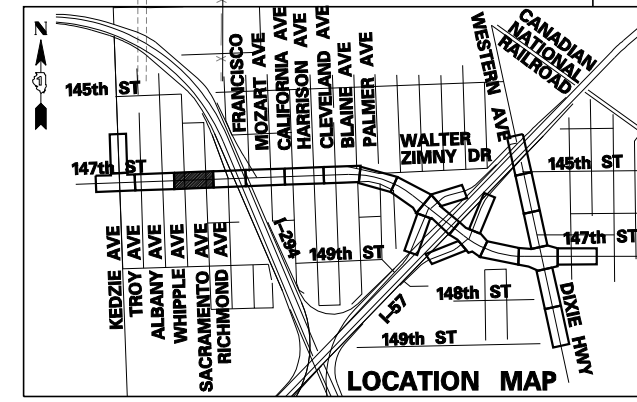
147TH STREET (IL-83) PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9 1/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

• SEE INTERIM PAVEMENT DESIGN ON THE INTERIM PAVEMENT DETAIL SHEET

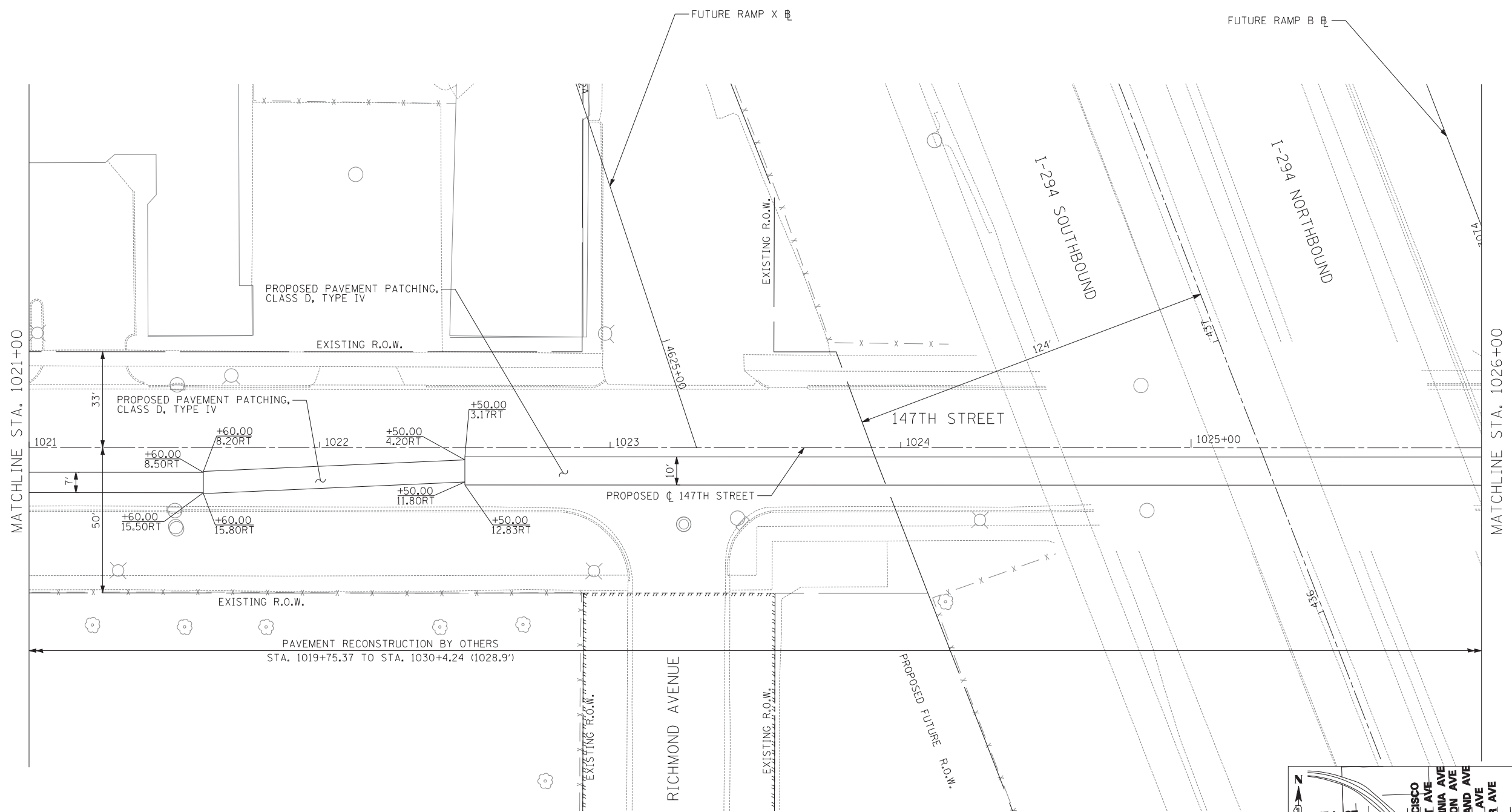
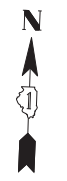
NOTES

1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

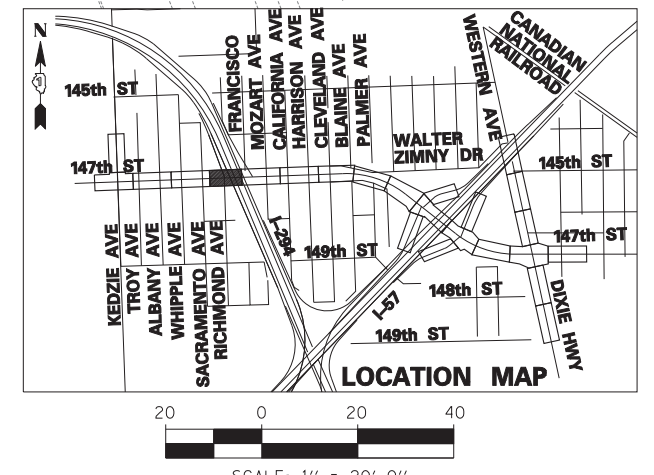


SCALE: 1" = 20'-0"

TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - DM DRAWN - DM CHECKED - JPM DATE - 5/23/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT PROPOSED PLANS - 147TH STREET		F.A.I. RTE. XX SECTION (0405-1 & 0506-2) R-1 COUNTY COOK TOTAL SHEETS 577 SHEET NO. 59
	SCALE: 1"=20' SHEET NO. 3 OF 25 SHEETS STA. 1015+00 TO STA. 1021+00			CONTRACT NO. 60M57		
	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



- NOTES**
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.



TYLIN INTERNATIONAL

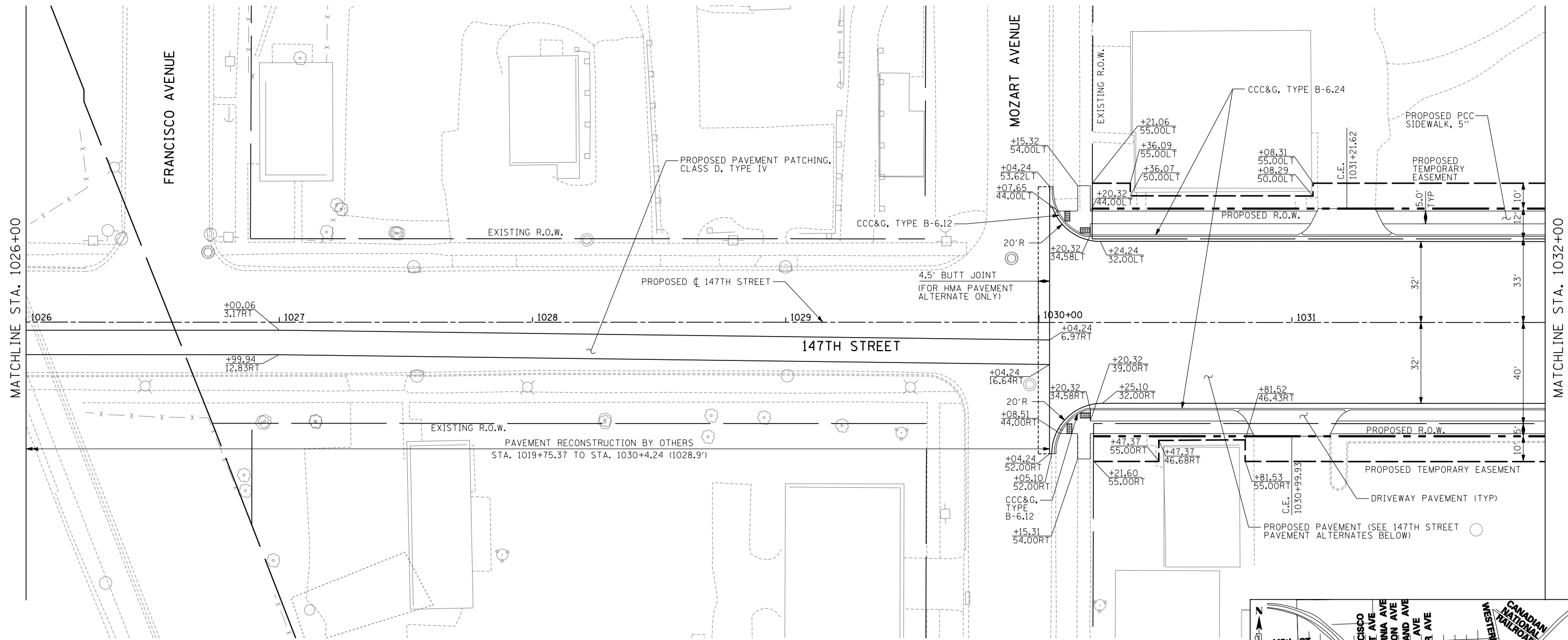
USER NAME =	DESIGNED - DM	REVISED -
	DRAWN - DM	REVISED -
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PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 4 OF 25 SHEETS STA. 1021+00 TO STA. 1026+00

F.A.I. RT.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	60
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

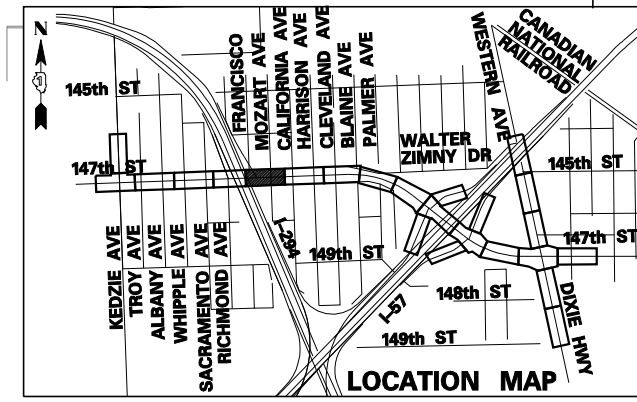


147TH STREET (IL-83) PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9 1/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

NOTES

1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.



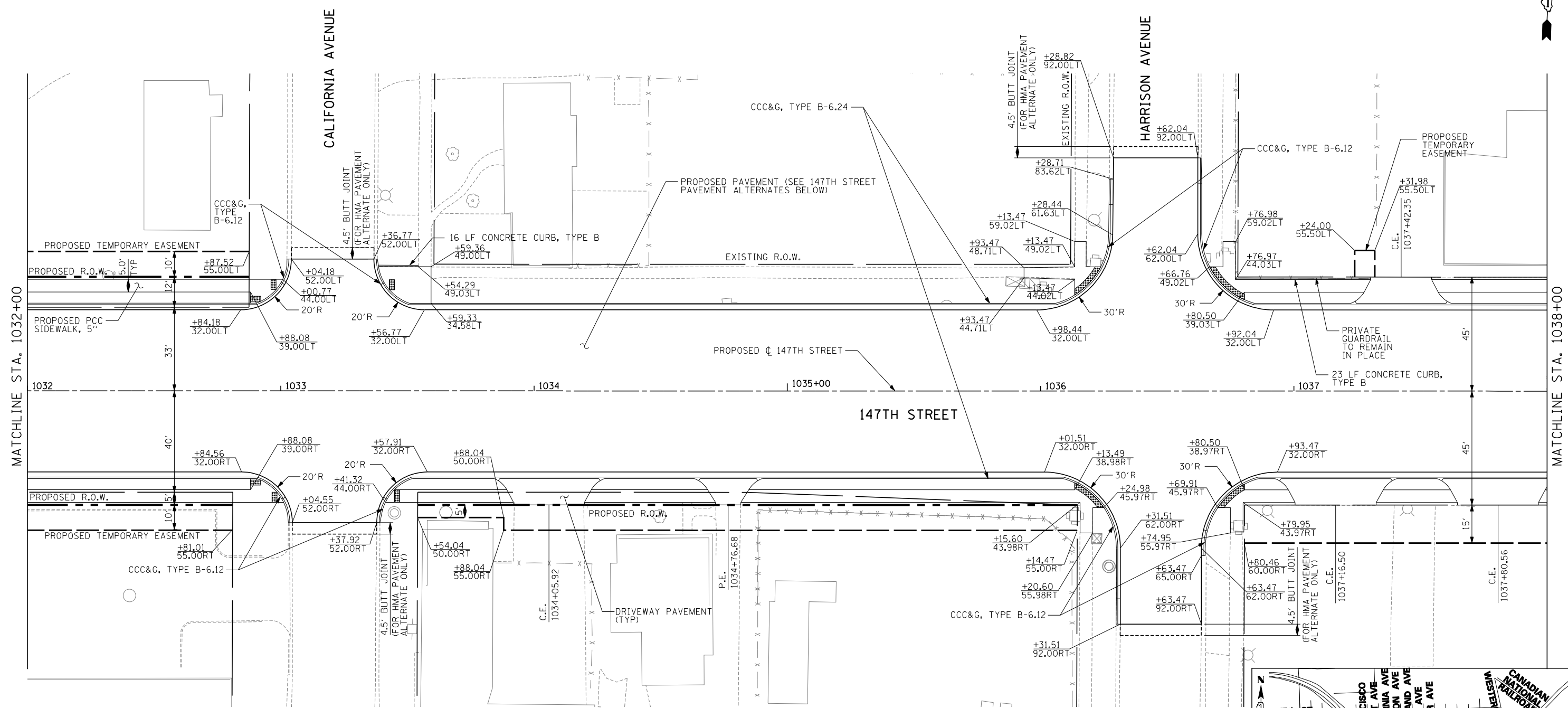
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		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 5 OF 25 SHEETS STA. 1026+00 TO STA. 1032+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	61
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

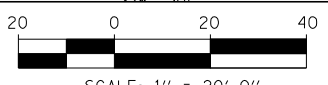
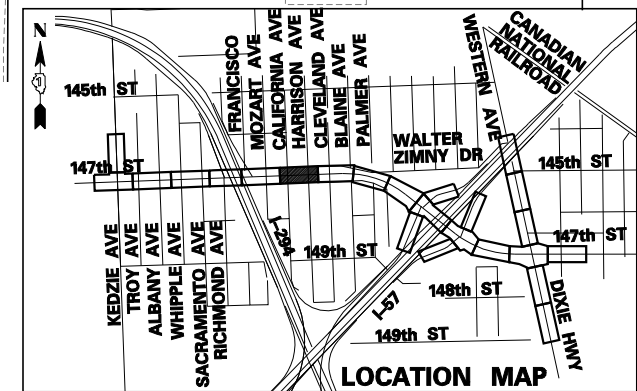


147TH STREET (IL-83) PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

NOTES

1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.
3. SEE INTERSECTION DETAILS - 147TH ST AND HARRISON AVE FOR MORE LAYOUT INFORMATION.



TYLIN INTERNATIONAL

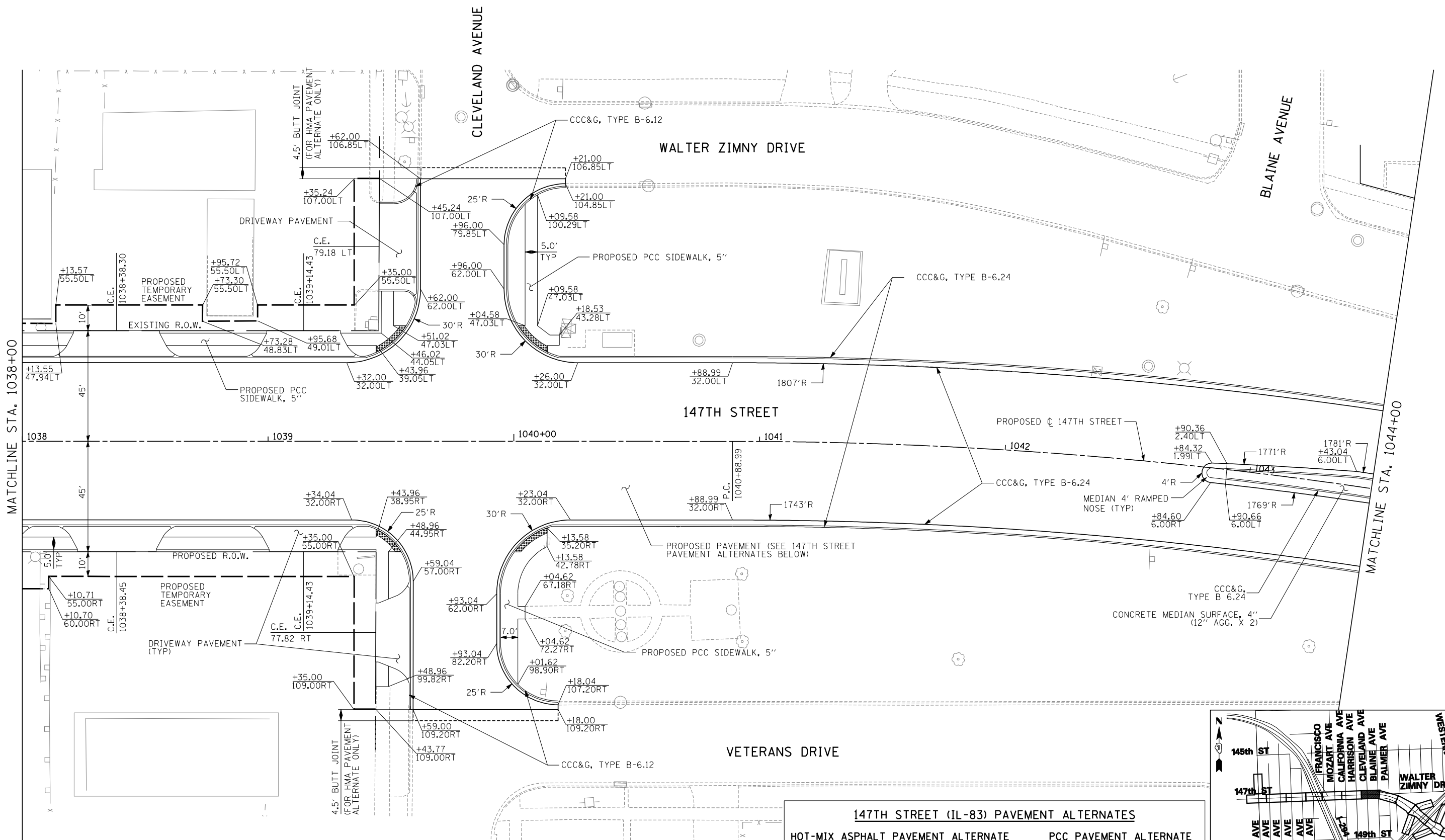
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	DATE - 5/23/2012	REVISED - 8/1/2012

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED PLANS - 147TH STREET**

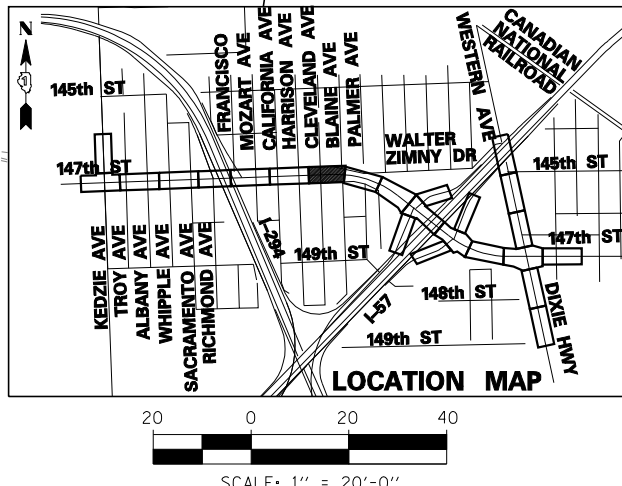
SCALE: 1"=20' SHEET NO. 6 OF 25 SHEETS STA. 1032+00 TO STA. 1038+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	62
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

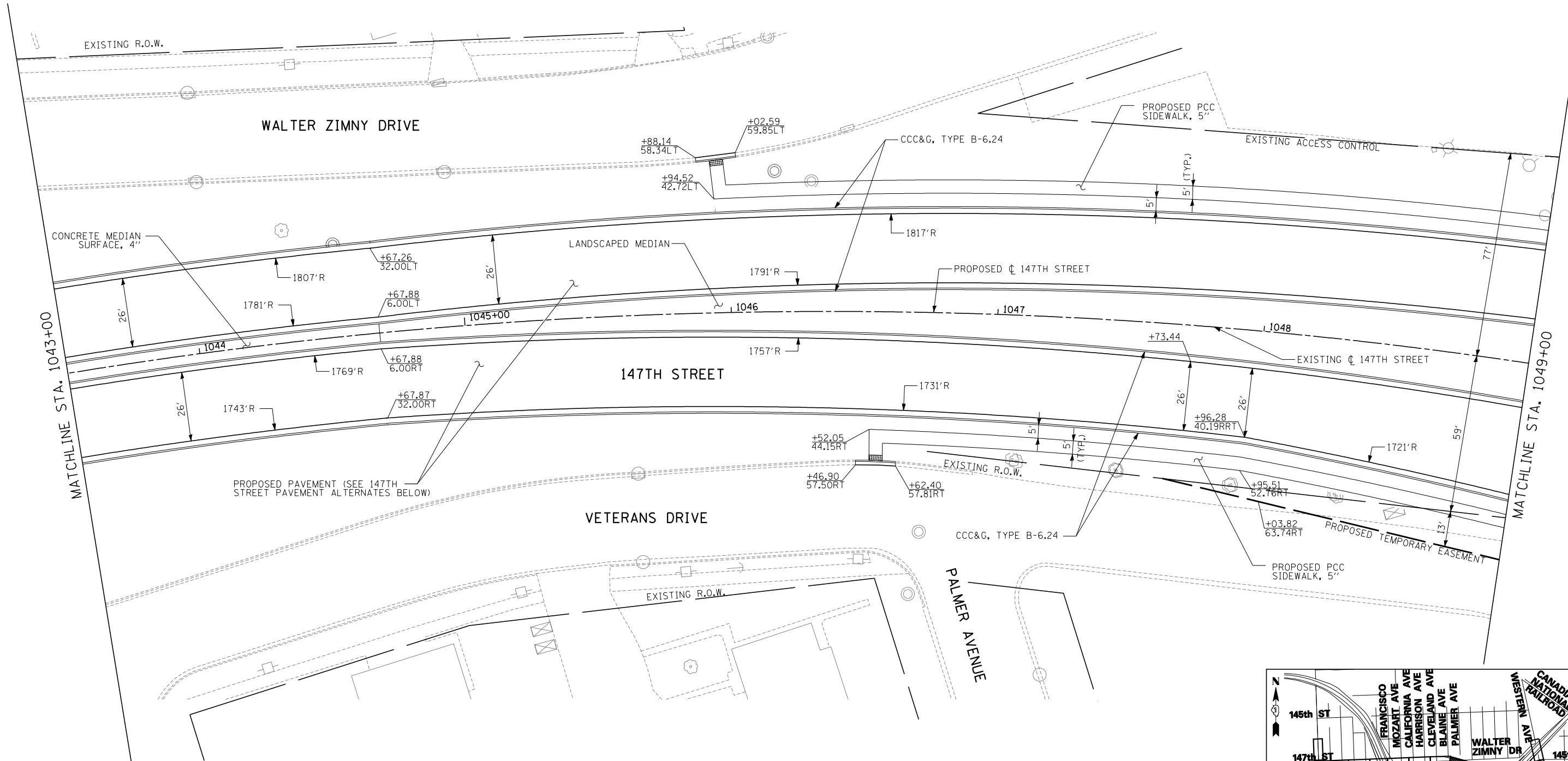


147TH STREET (IL-83) PAVEMENT ALTERNATES	
HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

- NOTES**
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.
 3. SEE INTERSECTION DETAILS - 147TH ST AND CLEVELAND AVE FOR MORE LAYOUT INFORMATION.



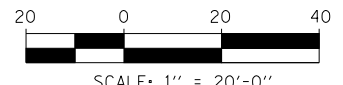
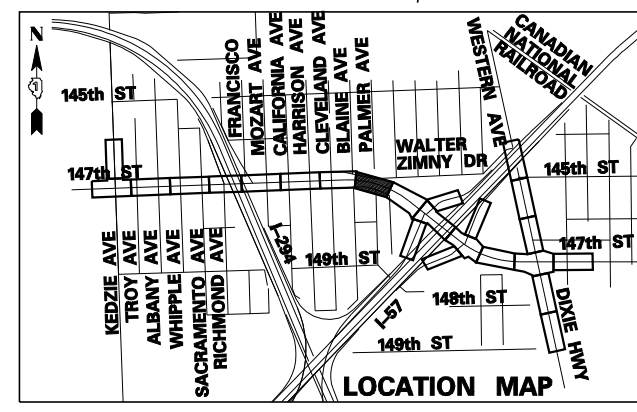
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	SCALE: 1"=20' SHEET NO. 7 OF 25 SHEETS STA. 1038+00 TO STA. 1044+00			CONTRACT NO. 60M57 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



147TH STREET (IL-83) PAVEMENT ALTERNATES	
HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

NOTES

1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.



TYLIN INTERNATIONAL

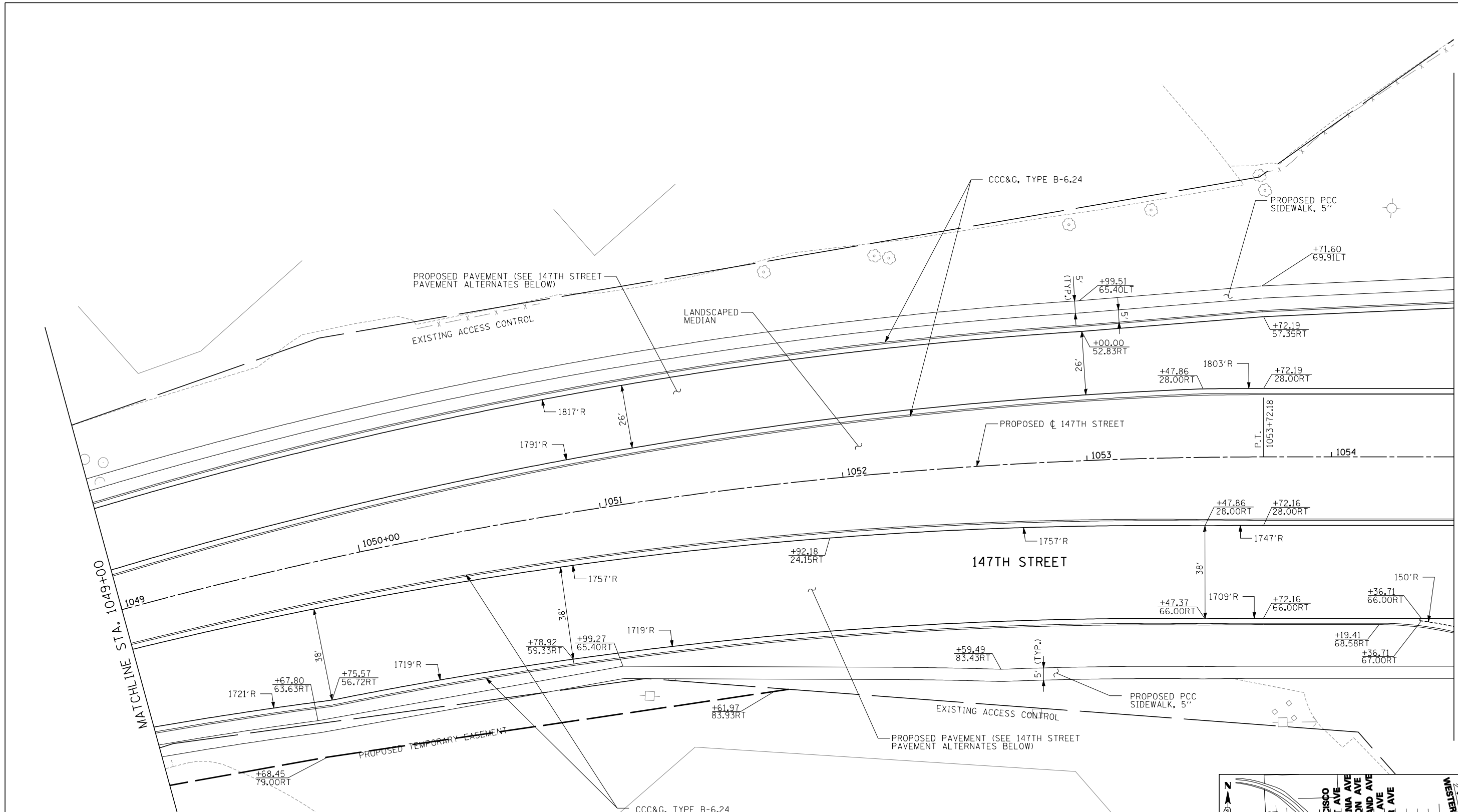
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	DRAWN - DM	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED PLANS - 147TH STREET**

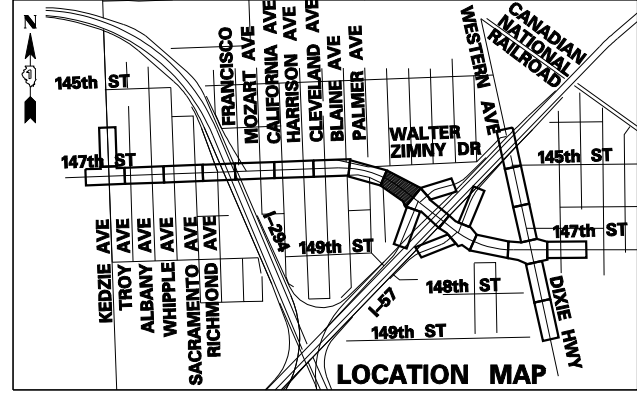
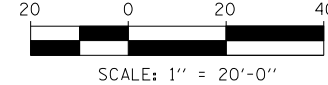
SCALE: 1"=20' SHEET NO. 8 OF 25 SHEETS STA. 1043+00 TO STA. 1049+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	64
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES
 1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

147TH STREET (IL-83) PAVEMENT ALTERNATES	
HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9 1/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - DM	REVISED -
PLOT SCALE =	DRAWN - DM	REVISED -
PLOT DATE =	CHECKED - JPM	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT PROPOSED PLANS - 147TH STREET			
SCALE: 1"=20'	SHEET NO. 9 OF 25 SHEETS	STA. 1049+00 TO STA. 1054+50	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	65
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	

147TH STREET (IL-83) INTERIM PAVEMENT (ARTERIAL) ALTERNATES

HOT-MIX ASPHALT ALTERNATE

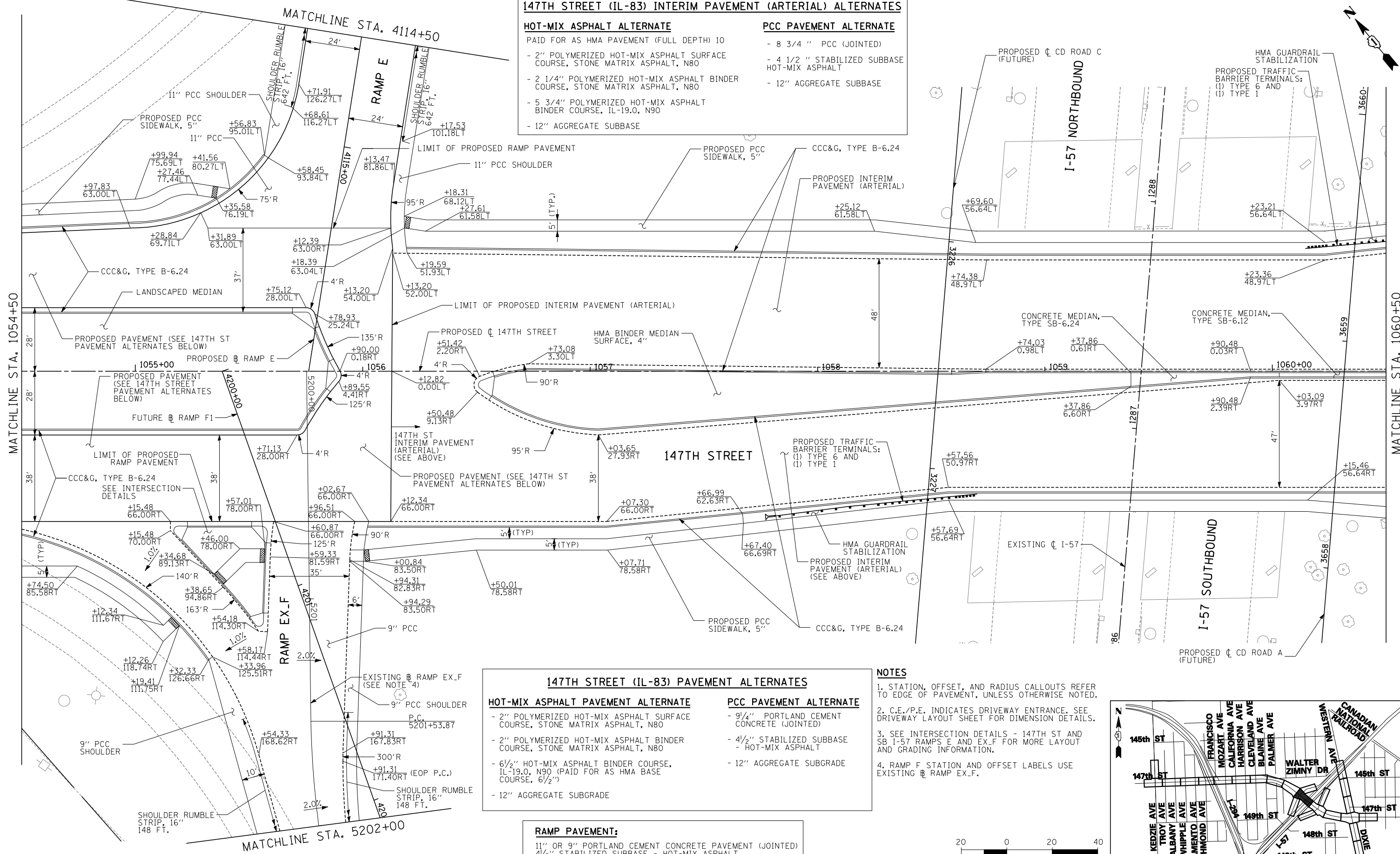
- PAID FOR AS HMA PAVEMENT (FULL DEPTH) 10
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80
- 2 1/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80
- 5 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
- 12" AGGREGATE SUBBASE

PCC PAVEMENT ALTERNATE

- 8 3/4" PCC (JOINTED)
- 4 1/2" STABILIZED SUBBASE HOT-MIX ASPHALT
- 12" AGGREGATE SUBBASE

MATCHLINE STA. 1054+50

MATCHLINE STA. 1060+50



147TH STREET (IL-83) PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE

- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")
- 12" AGGREGATE SUBGRADE

PCC PAVEMENT ALTERNATE

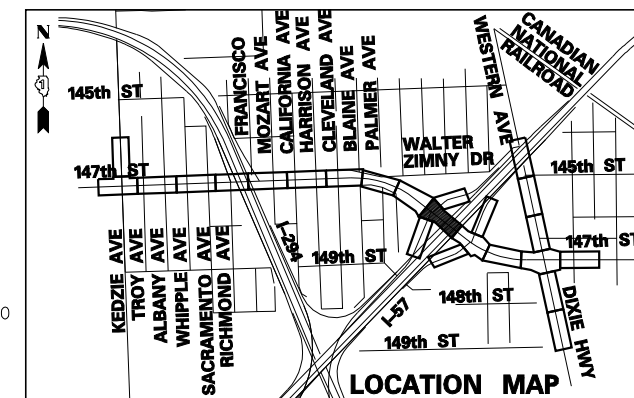
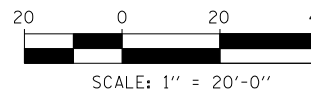
- 9 1/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 12" AGGREGATE SUBGRADE

RAMP PAVEMENT:

- 11" OR 9" PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED)
- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 12" AGGREGATE SUBGRADE

NOTES

1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.
3. SEE INTERSECTION DETAILS - 147TH ST AND SB I-57 RAMP E AND EX_F FOR MORE LAYOUT AND GRADING INFORMATION.
4. RAMP F STATION AND OFFSET LABELS USE EXISTING RAMP EX_F.



TYLIN INTERNATIONAL

USER NAME -	DESIGNED - DM	REVISED -
PLOT SCALE -	DRAWN - DM	REVISED -
PLOT DATE -	CHECKED - JPM	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED PLANS - 147TH STREET**

SCALE: 1"=20' SHEET NO. 10 OF 25 SHEETS STA. 1054+50 TO STA. 1060+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	66
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	

147TH STREET (IL-83) PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE

- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE - 6 1/2")
- 12" AGGREGATE SUBGRADE

PCC PAVEMENT ALTERNATE

- 9 1/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 12" AGGREGATE SUBGRADE

147TH STREET (IL-83) INTERIM PAVEMENT (ARTERIAL) ALTERNATES

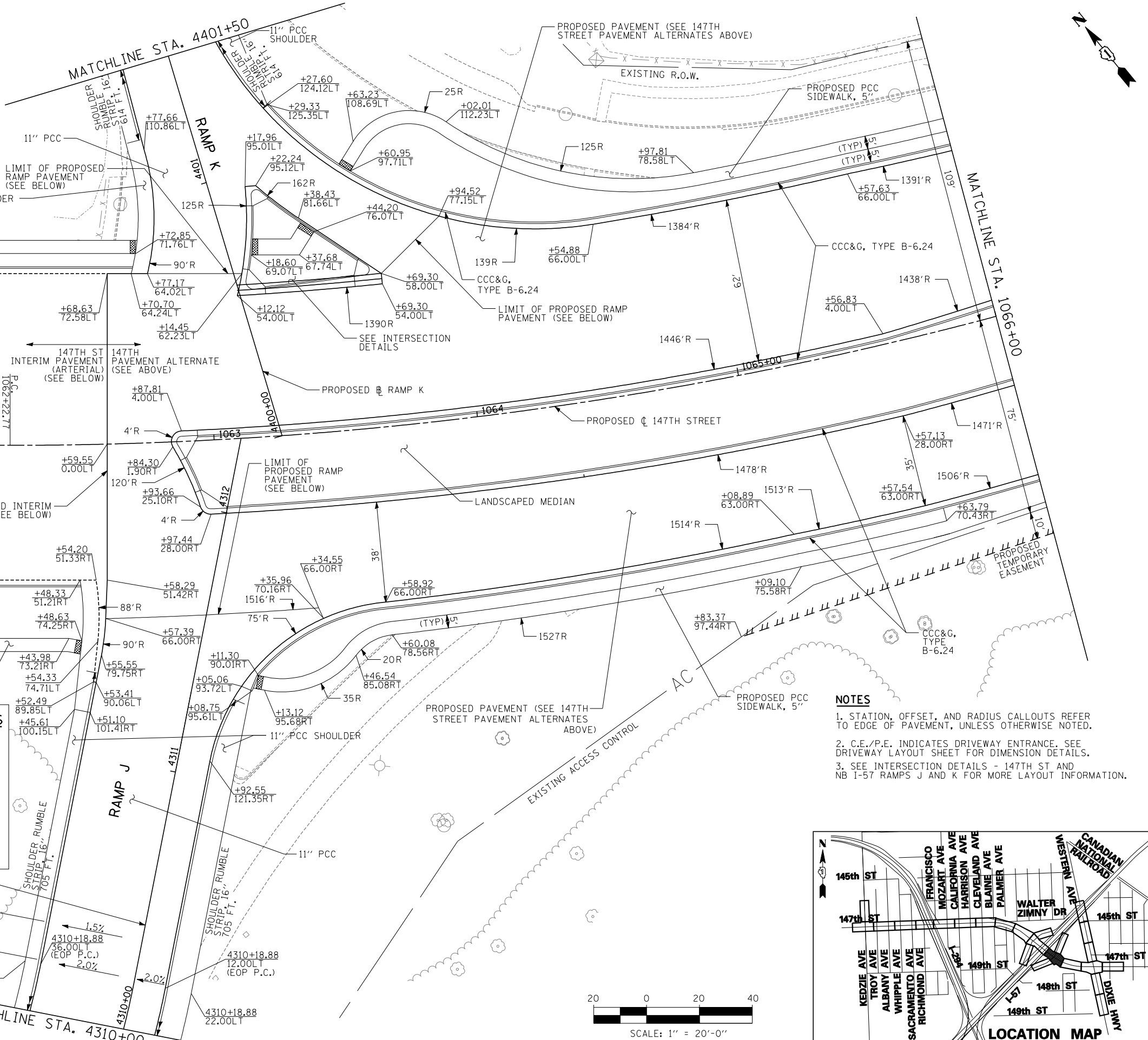
- HOT-MIX ASPHALT ALTERNATE**
PAID FOR AS HMA PAVEMENT (FULL DEPTH) 10"
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80
- 2 1/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80
- 5 3/4" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90
- 12" AGGREGATE SUBBASE

PCC PAVEMENT ALTERNATE

- 8 3/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 12" AGGREGATE SUBBASE

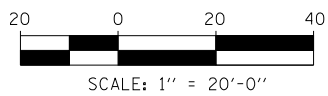
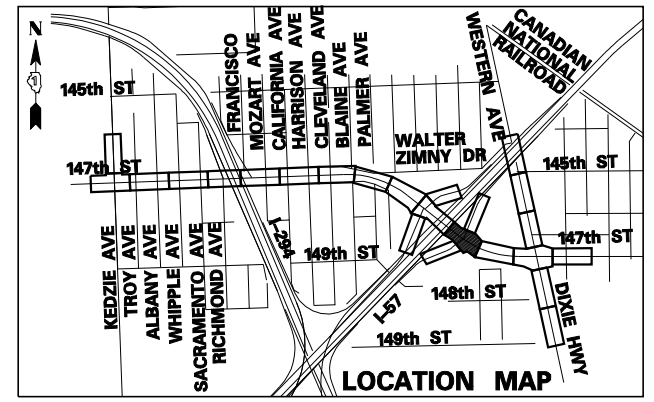
RAMP PAVEMENT:

- 11" PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED)
- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 12" AGGREGATE SUBGRADE

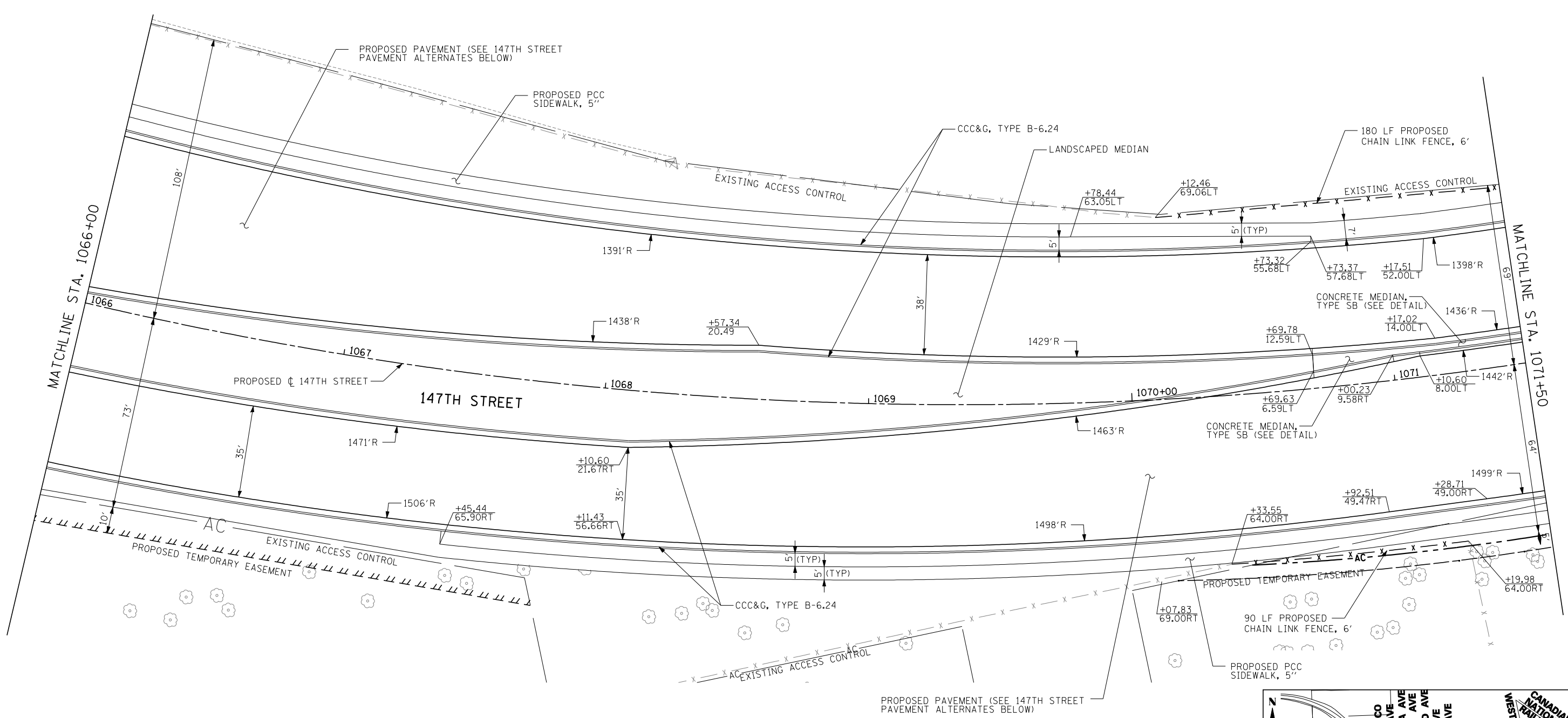
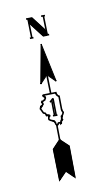


NOTES

1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.
3. SEE INTERSECTION DETAILS - 147TH ST AND NB I-57 RAMP J AND K FOR MORE LAYOUT INFORMATION.



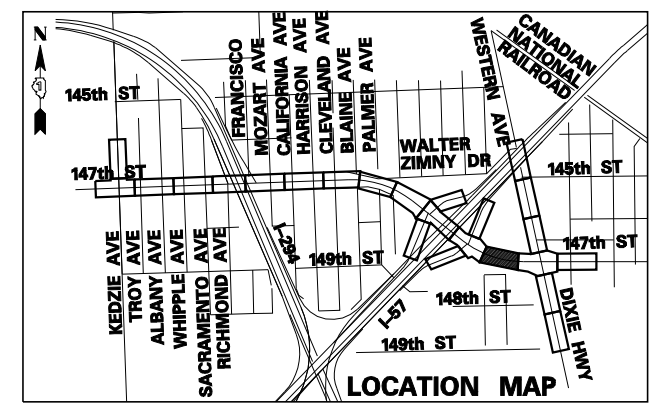
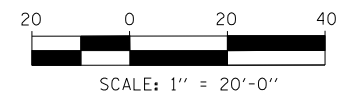
TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - DM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT PROPOSED PLANS - 147TH STREET		F.A.I. RTE. XX	SECTION (0405-1 & 0506-2) R-1	COUNTY COOK	TOTAL SHEETS 577	SHEET NO. 67	
	DRAWN - DM	REVISED -		SCALE: 1"=20'	SHEET NO. 11 OF 25 SHEETS	STA. 1060+50 TO STA. 1066+00	CONTRACT NO. 60M57		FED. AID PROJECT		
	CHECKED - JPM	REVISED -									
	DATE - 5/23/2012	REVISED -									



147TH STREET (IL-83) PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9 1/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

- NOTES**
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.



TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - DM DRAWN - DM CHECKED - JPM DATE - 5/23/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT PROPOSED PLANS - 147TH STREET		F.A.I. RTE. XX SECTION (0405-1 & 0506-2) R-1 COUNTY COOK TOTAL SHEETS 577 SHEET NO. 68
	SCALE: 1"=20' SHEET NO. 12 OF 25 SHEETS STA. 1066+00 TO STA. 1071+50			CONTRACT NO. 60M57 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

DIXIE/WESTERN AVENUE PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE

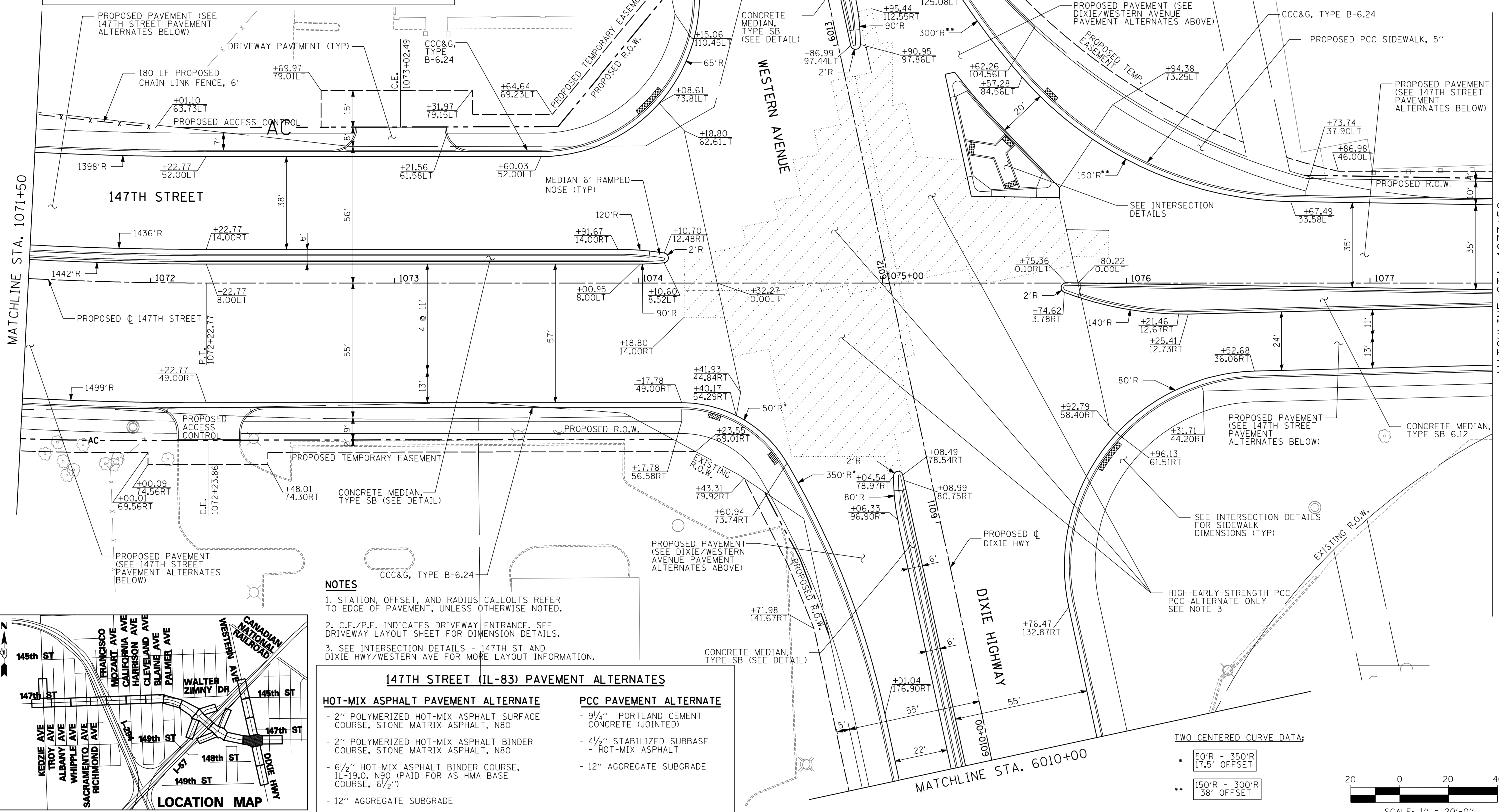
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80
- 8 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 8 1/4")
- 12" AGGREGATE SUBGRADE

PCC PAVEMENT ALTERNATE

- 10" PORTLAND CEMENT CONCRETE (JOINTED)
- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 12" AGGREGATE SUBGRADE

MATCHLINE STA. 1071+50

MATCHLINE STA. 1077+50



NOTES

1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.
3. SEE INTERSECTION DETAILS - 147TH ST AND DIXIE HWY/WESTERN AVE FOR MORE LAYOUT INFORMATION.

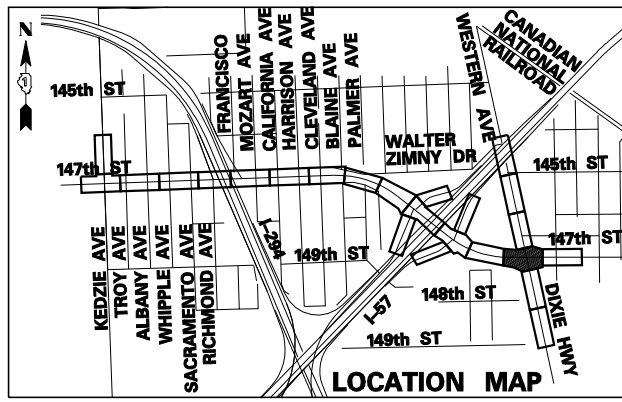
147TH STREET (IL-83) PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE

- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")
- 12" AGGREGATE SUBGRADE

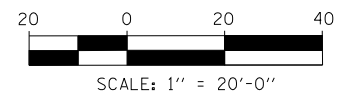
PCC PAVEMENT ALTERNATE

- 9 1/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 12" AGGREGATE SUBGRADE

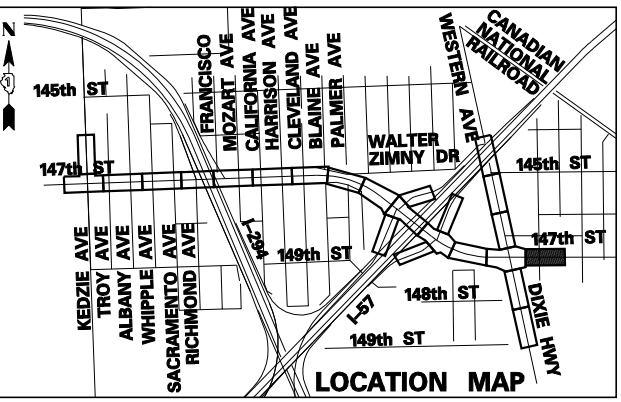
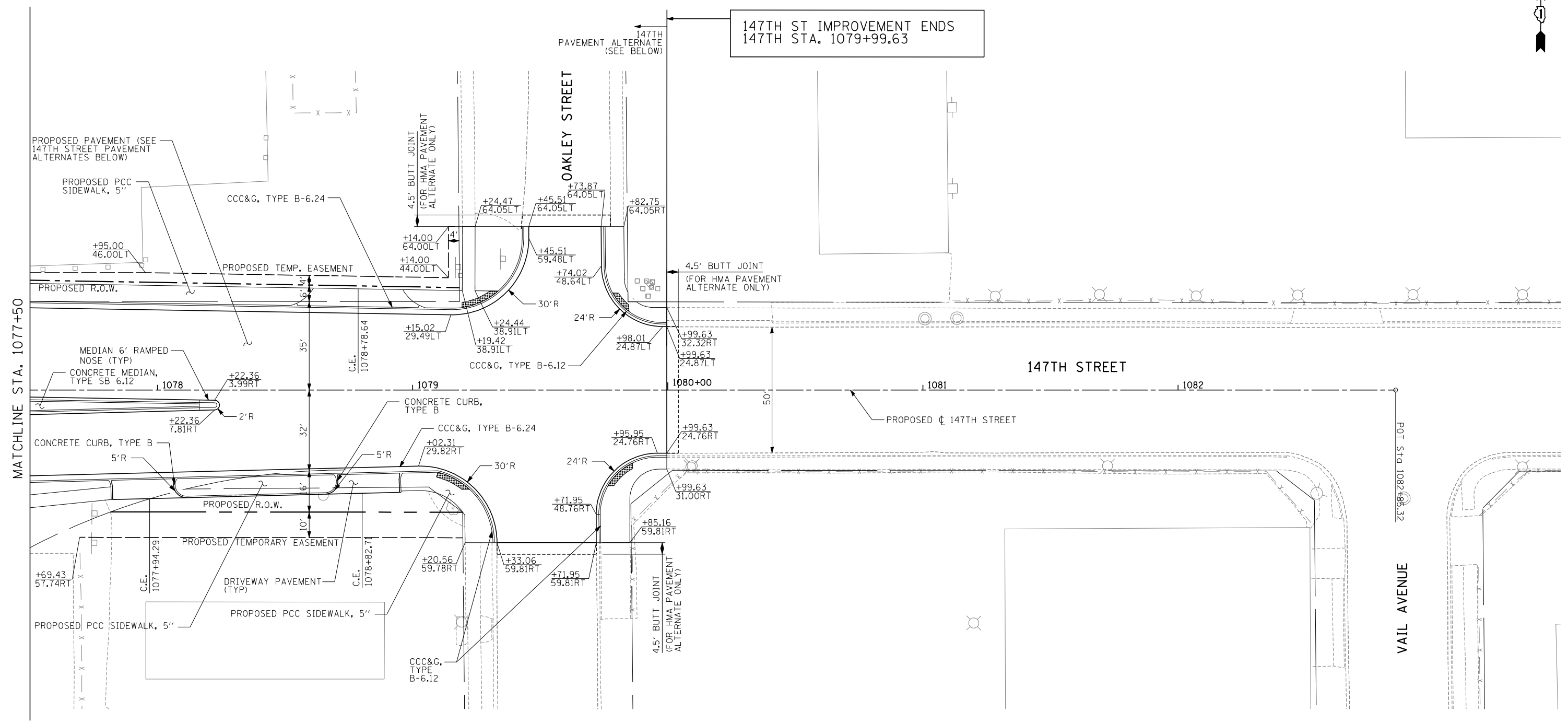


TWO CENTERED CURVE DATA:

- 50'R - 350'R
17.5' OFFSET
- 150'R - 300'R
38' OFFSET

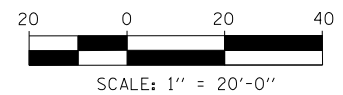


TYLIN INTERNATIONAL USER NAME - PLOT SCALE - PLOT DATE -	DESIGNED - DM DRAWN - DM CHECKED - JPM DATE - 5/23/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT PROPOSED PLANS - 147TH STREET				F.A.I. RTE. XX SECTION (0405-1 & 0506-2) R-1 COUNTY COOK TOTAL SHEETS 577 SHEET NO. 69
	SCALE: 1"=20' SHEET NO. 13 OF 25 SHEETS STA. 1071+50 TO STA. 1077+50			CONTRACT NO. 60M57		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		
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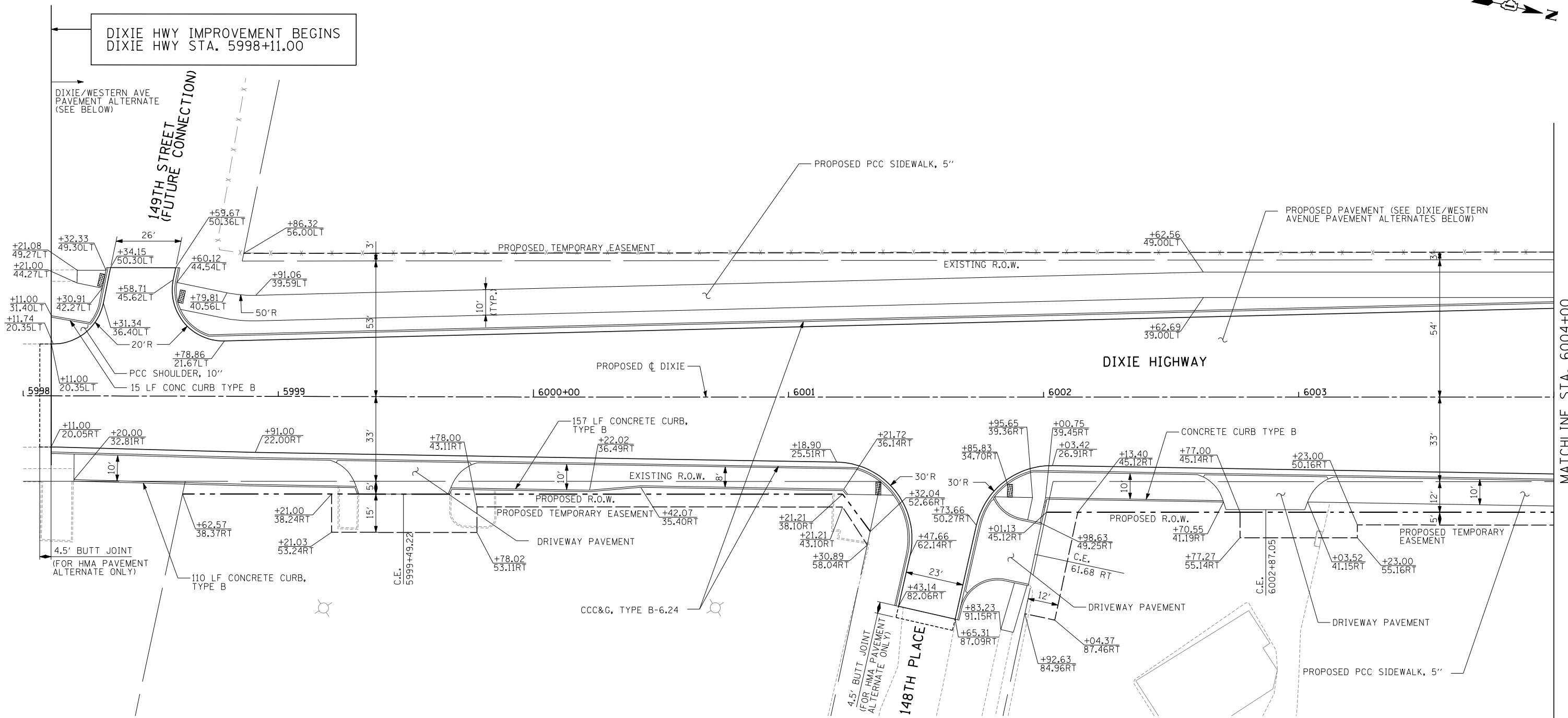


147TH STREET (IL-83) PAVEMENT ALTERNATES	
HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 9 1/4" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 6 1/2" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 6 1/2")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

- NOTES**
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

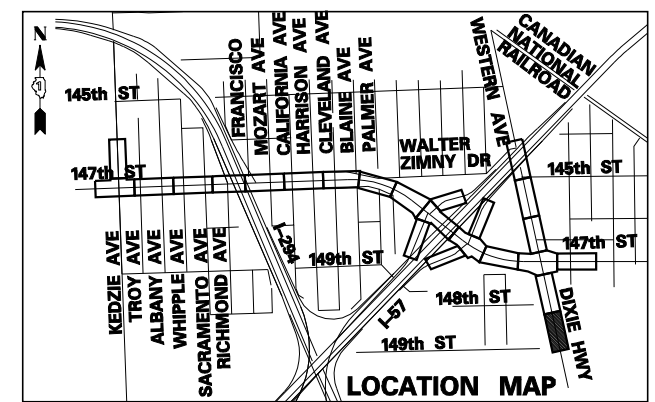
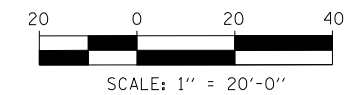


TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - DM DRAWN - DM CHECKED - JPM DATE - 5/23/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT PROPOSED PLANS - 147TH STREET		F.A.I. RTE. XX SECTION (0405-1 & 0506-2) R-1 COUNTY COOK TOTAL SHEETS 577 SHEET NO. 70
	SCALE: 1"=20' SHEET NO. 14 OF 25 SHEETS STA. 1077+50 TO STA. 1083+00			CONTRACT NO. 60M57 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		



DIXIE HIGHWAY PAVEMENT ALTERNATES	
HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 10" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 8 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 8 1/4")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

- NOTES**
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

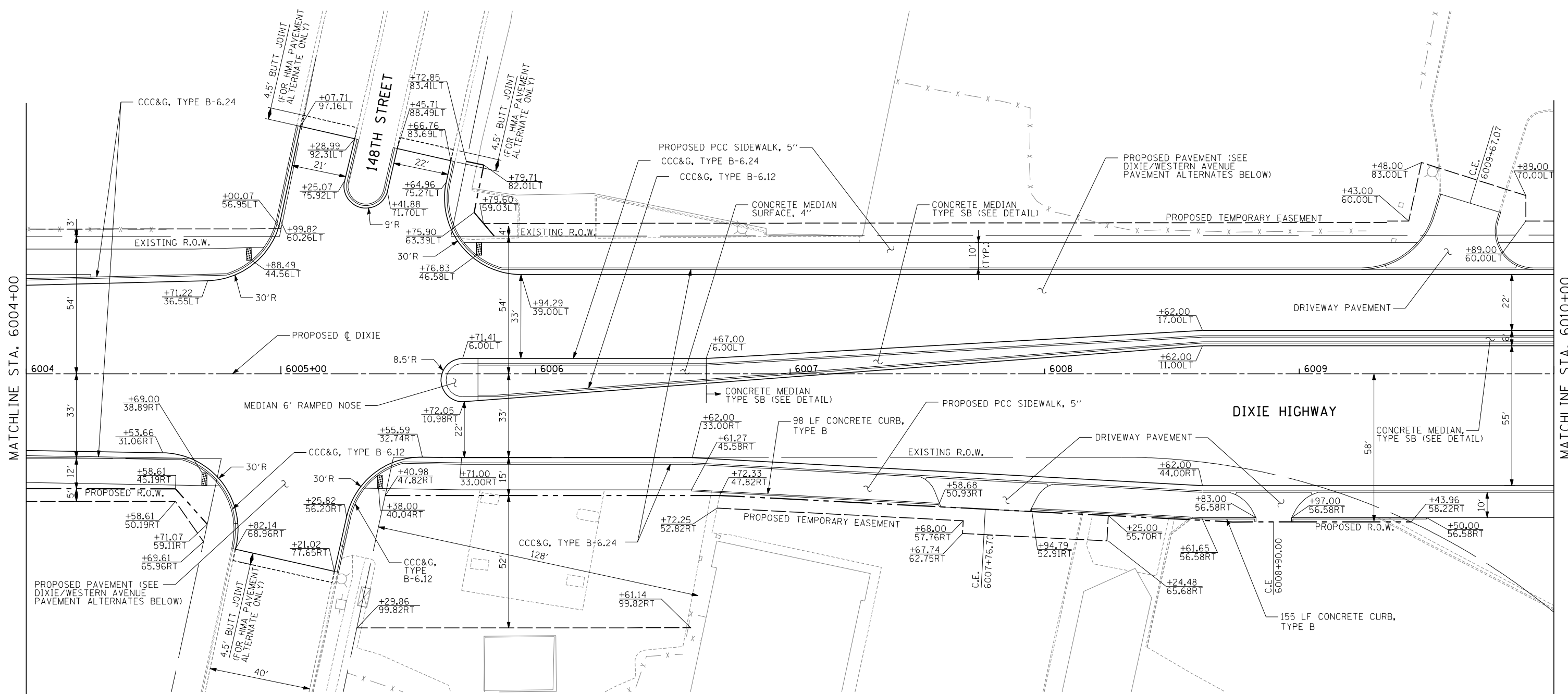


TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -
	PLOT SCALE =	DRAWN - DM	REVISED -
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT PROPOSED PLANS - DIXIE HWY/WESTERN AVE			
SCALE: 1"=20'	SHEET NO. 15 OF 25 SHEETS	STA. 5998+00 TO STA. 6004+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	71
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

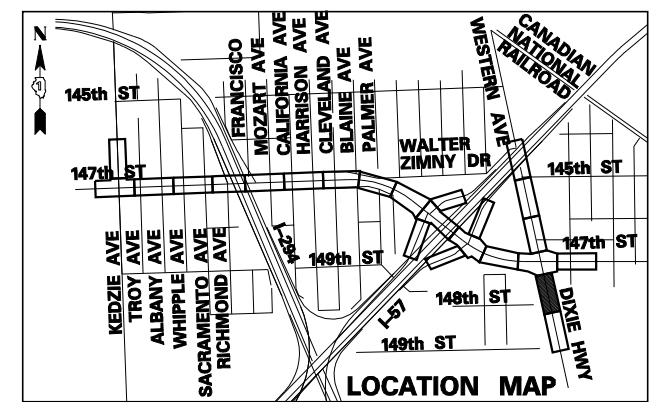
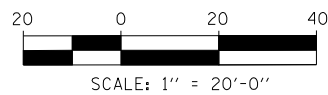


NOTES

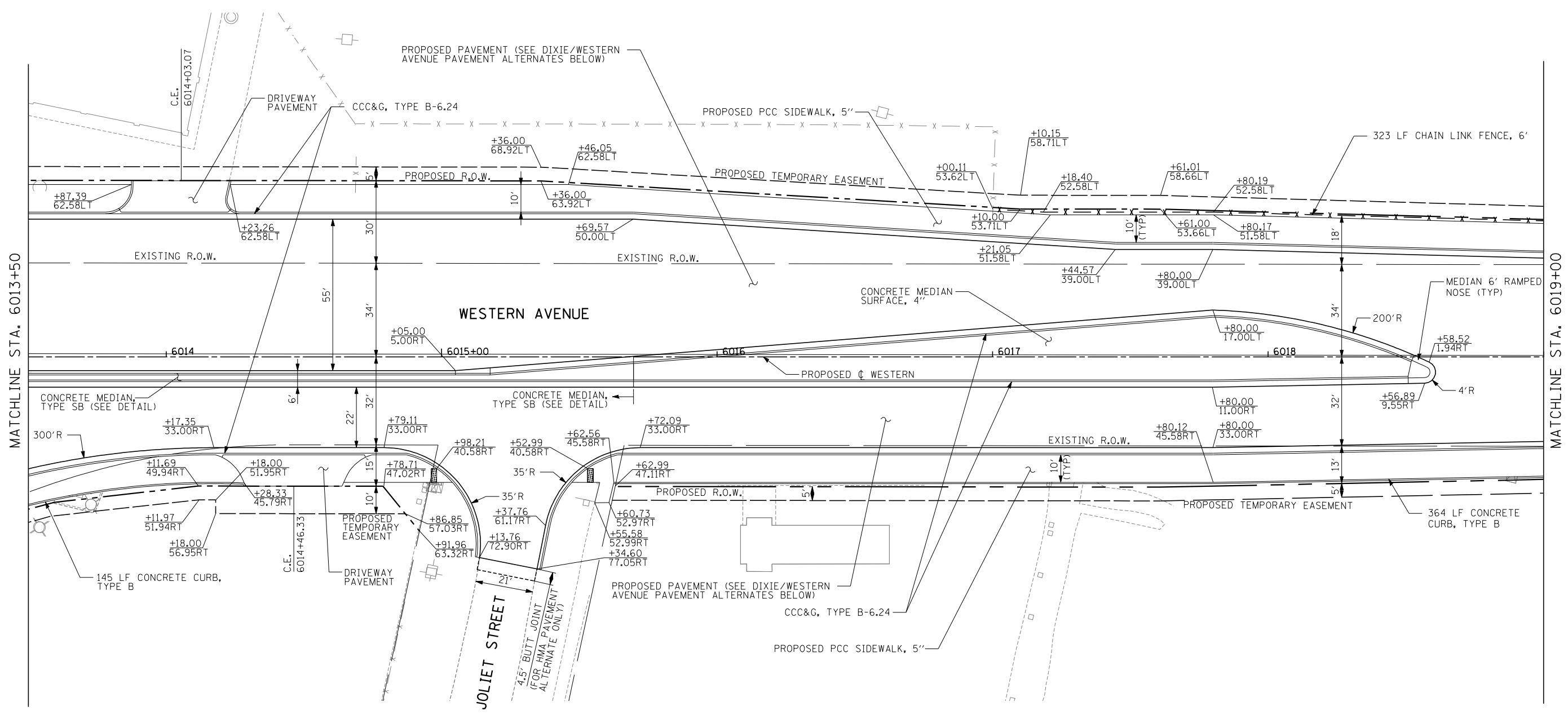
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

DIXIE HIGHWAY AVENUE PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 10" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 8 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 8 1/4")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

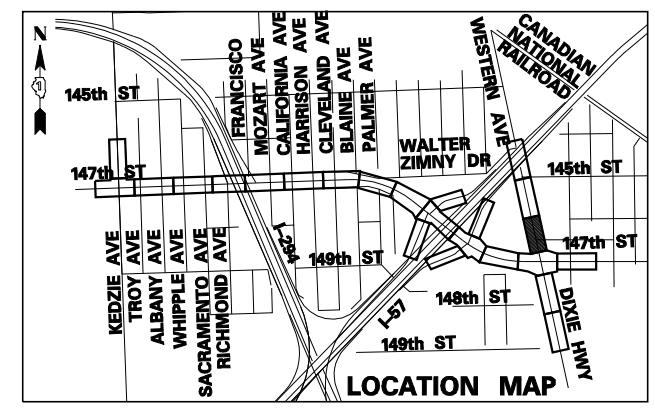
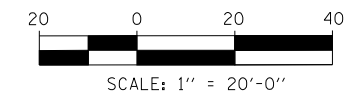


TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - DM DRAWN - DM CHECKED - JPM DATE - 5/23/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT PROPOSED PLANS - DIXIE HWY/WESTERN AVE		F.A.I. RTE. XX SECTION (0405-1 & 0506-2) R-1 COUNTY COOK FEDERAL AID PROJECT	TOTAL SHEETS 577 SHEET NO. 72 CONTRACT NO. 60M57
	SCALE: 1"=20' SHEET NO. 16 OF 25 SHEETS STA. 6004+00 TO STA. 6010+00			COUNTY COOK FEDERAL AID PROJECT			
	DATE - 5/23/2012			FEDERAL AID PROJECT			



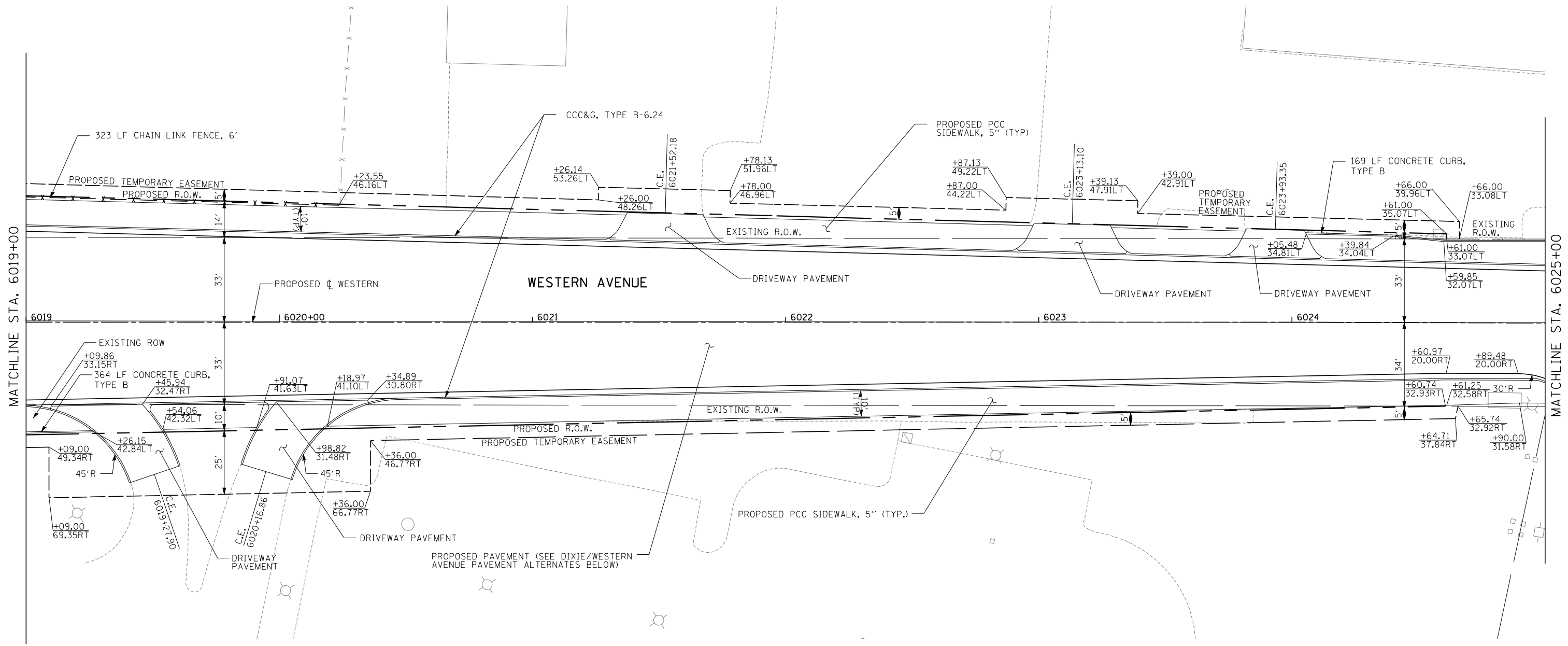
- NOTES**
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE, SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

WESTERN AVENUE PAVEMENT ALTERNATES	
HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 10" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 8 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 8 1/4")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	



TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - DM DRAWN - DM CHECKED - JPM DATE - 5/23/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT PROPOSED PLANS - DIXIE HWY/WESTERN AVE		F.A.I. RTE. XX SECTION (0405-1 & 0506-2) R-1 COUNTY COOK FEDERAL AID PROJECT	TOTAL SHEETS 577 SHEET NO. 73 CONTRACT NO. 60M57
	SCALE: 1"=20' SHEET NO. 17 OF 25 SHEETS STA. 6013+50 TO STA. 6019+00						
	p:\602540(57-294)\road\p10_147th\p10_PP_SHT17.dgn						

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 6/20/2012



NOTES

1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

WESTERN AVENUE PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE

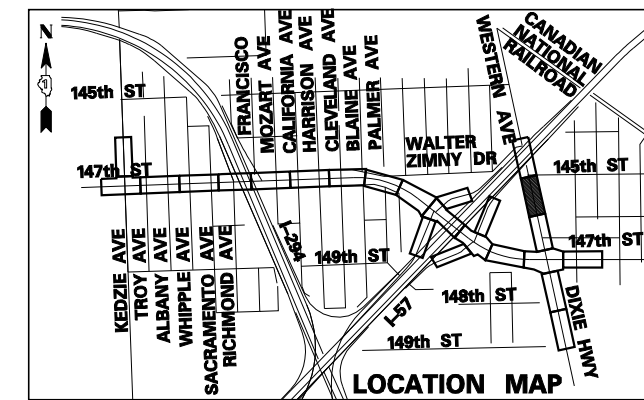
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80
- 8 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 8 1/4")
- 12" AGGREGATE SUBGRADE

PCC PAVEMENT ALTERNATE

- 10" PORTLAND CEMENT CONCRETE (JOINTED)
- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 12" AGGREGATE SUBGRADE



SCALE: 1" = 20'-0"



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - DM	REVISED -
PLOT SCALE =	DRAWN - DM	REVISED -
PLOT DATE =	CHECKED - JPM	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

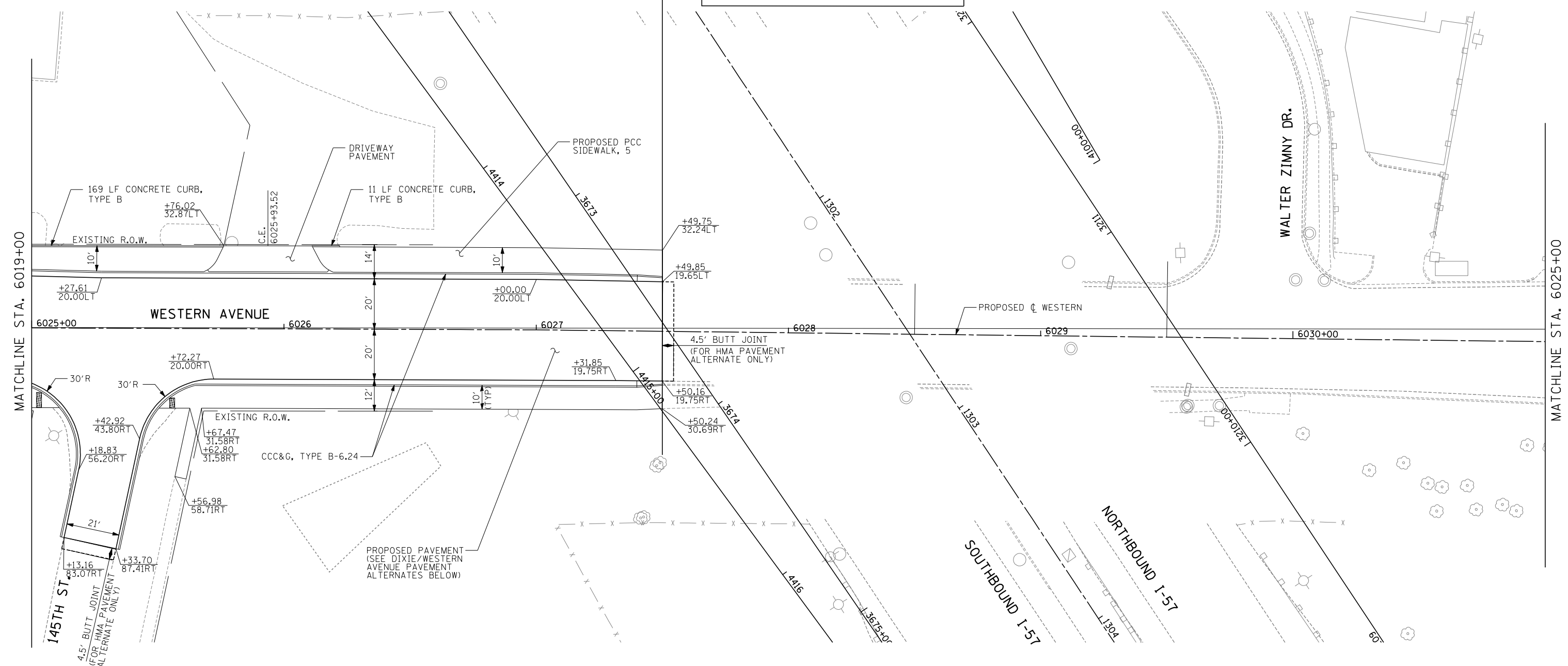
**147TH STREET PROJECT
PROPOSED PLANS - DIXIE HWY/WESTERN AVE**

SCALE: 1"=20' SHEET NO. 18 OF 25 SHEETS STA. 6019+00 TO STA. 6025+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	74
FED. ROAD DIST. NO.			CONTRACT NO. 60M57	
ILLINOIS			FED. AID PROJECT	



WESTERN AVE IMPROVEMENT ENDS
WESTERN AVE STA. 6027+50.16

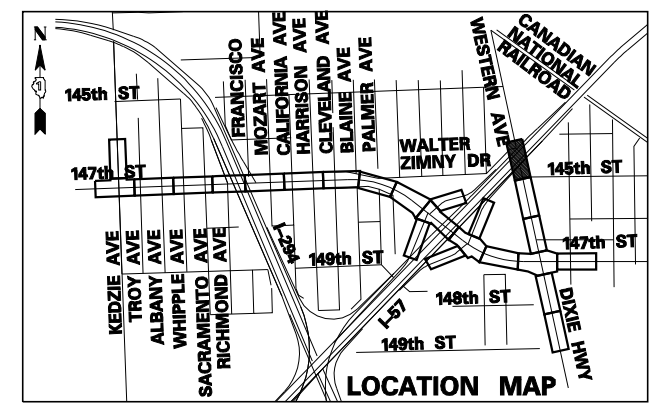
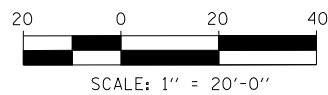


NOTES

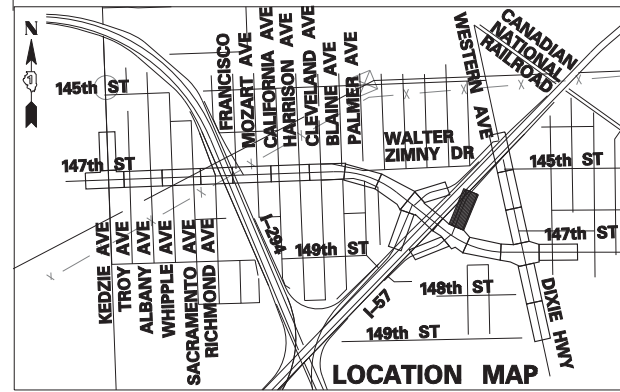
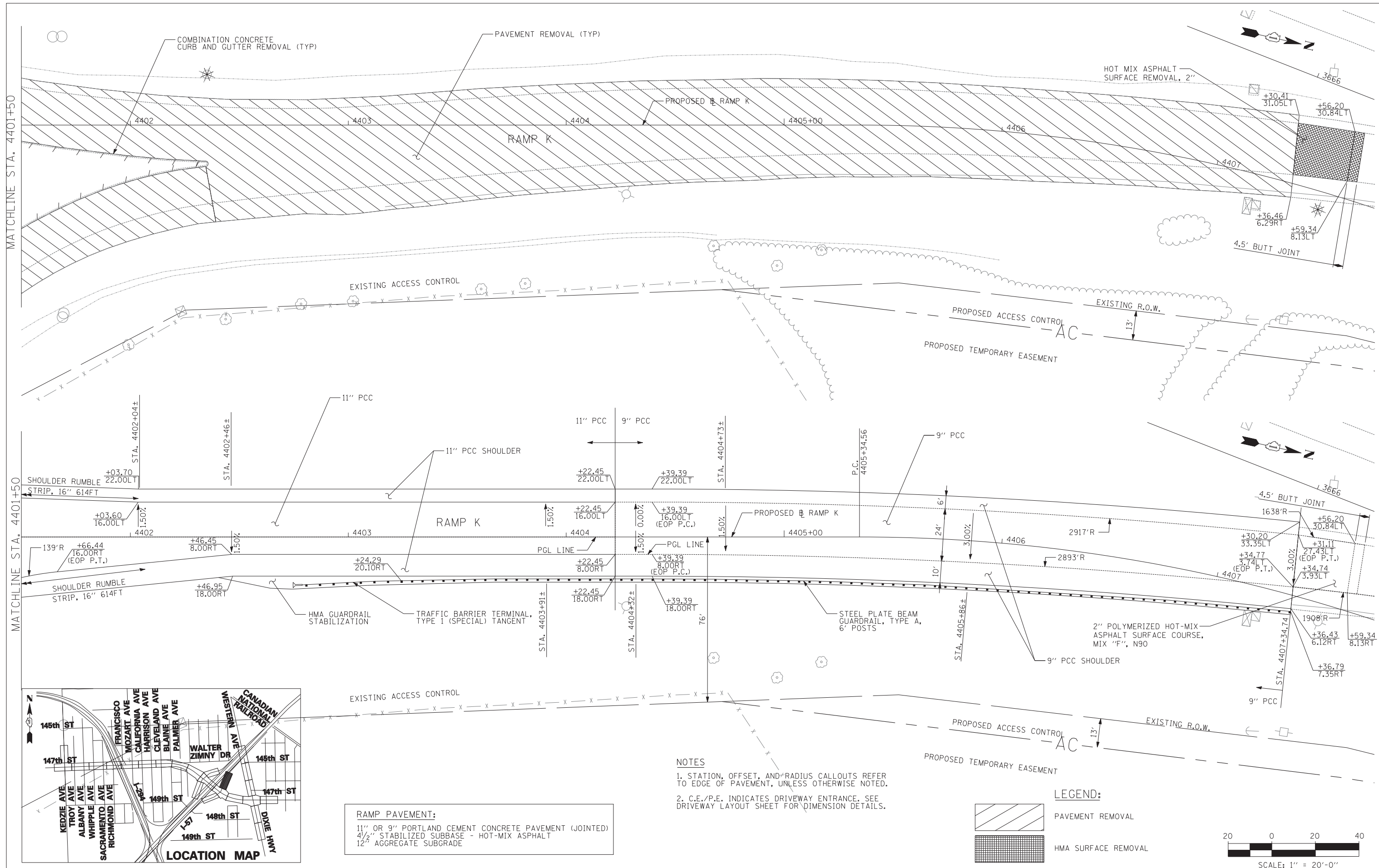
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

WESTERN AVENUE PAVEMENT ALTERNATES

HOT-MIX ASPHALT PAVEMENT ALTERNATE	PCC PAVEMENT ALTERNATE
- 2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, N80	- 10" PORTLAND CEMENT CONCRETE (JOINTED)
- 2" POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, STONE MATRIX ASPHALT, N80	- 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
- 8 1/4" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 (PAID FOR AS HMA BASE COURSE, 8 1/4")	- 12" AGGREGATE SUBGRADE
- 12" AGGREGATE SUBGRADE	

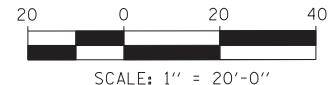
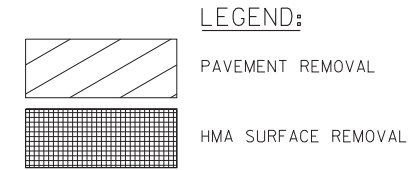


TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - DM DRAWN - DM CHECKED - JPM DATE - 5/23/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT PROPOSED PLANS - DIXIE HWY/WESTERN AVE				F.A.I. RTE. XX SECTION (0405-1 & 0506-2) R-1 COUNTY COOK TOTAL SHEETS 577 SHEET NO. 75	
				SCALE: 1"=20' SHEET NO. 19 OF 25 SHEETS STA. 6019+00 TO STA. 6025+00				CONTRACT NO. 60M57 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



RAMP PAVEMENT:
 11" OR 9" PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED)
 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
 12" AGGREGATE SUBGRADE

- NOTES**
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

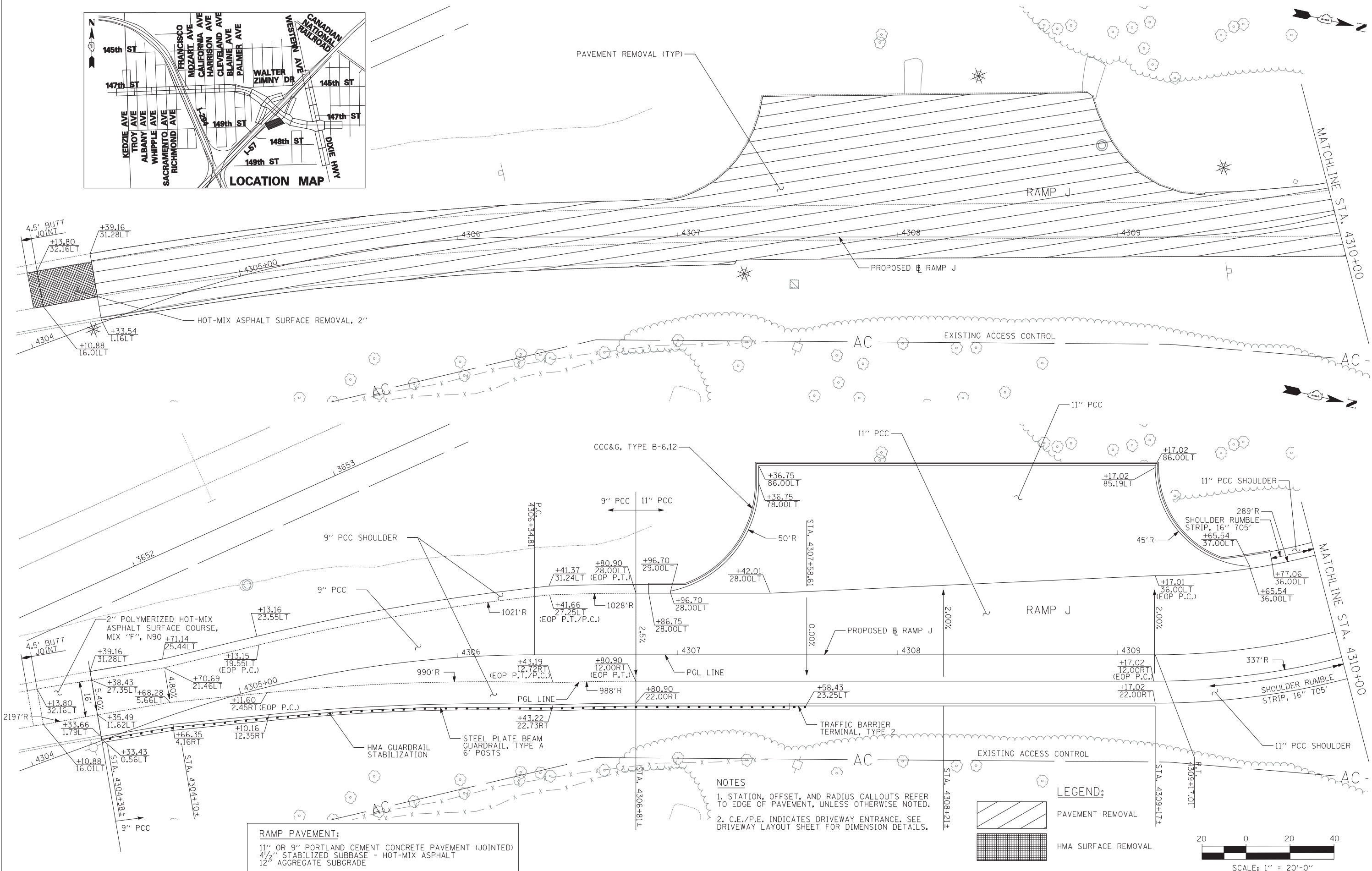
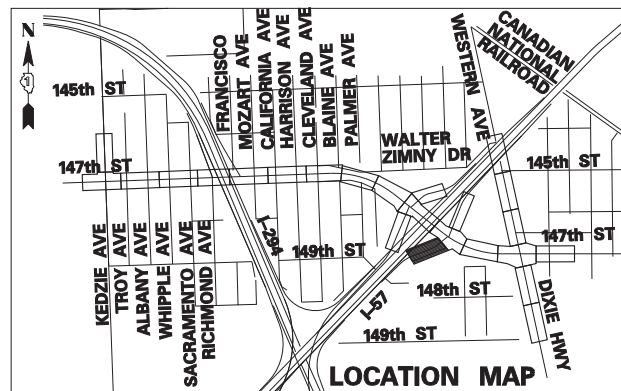


TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -
		DRAWN - DM	REVISED -
	PLOT SCALE =	CHECKED - JPM	REVISED -
	PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

147TH STREET PROJECT EXISTING AND PROPOSED PLANS - RAMP K			
SCALE: 1"=20'	SHEET NO. 20 OF 25 SHEETS	STA. 4401+50 TO STA. 4407+00	

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	76
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 60M57

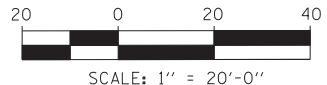


RAMP PAVEMENT:
 11" OR 9" PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED)
 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
 12" AGGREGATE SUBGRADE

- NOTES**
1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

LEGEND:

- PAVEMENT REMOVAL
- HMA SURFACE REMOVAL



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - DM	REVISED -
PLOT SCALE =	DRAWN - DM	REVISED -
PLOT DATE =	CHECKED - JPM	REVISED -
	DATE - 5/23/2012	REVISED -


**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

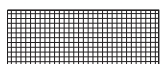
**17TH STREET PROJECT
 EXISTING AND PROPOSED PLANS - RAMP J**

SCALE: 1"=20' SHEET NO. 21 OF 25 SHEETS STA. 4305+50 TO STA. 4311+00

F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	77
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LEGEND:

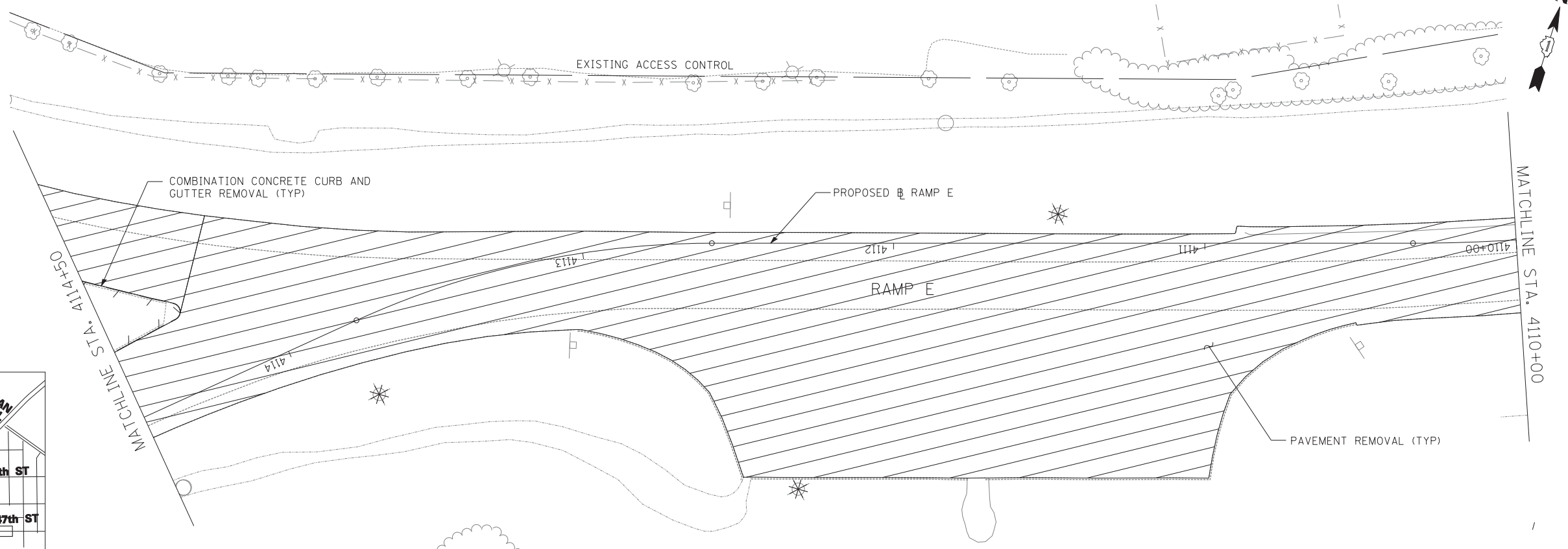
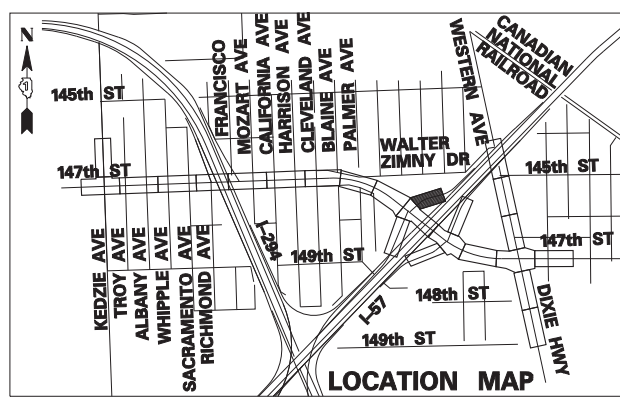
 PAVEMENT REMOVAL

 HMA SURFACE REMOVAL

NOTES

1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.

2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.

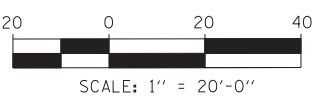
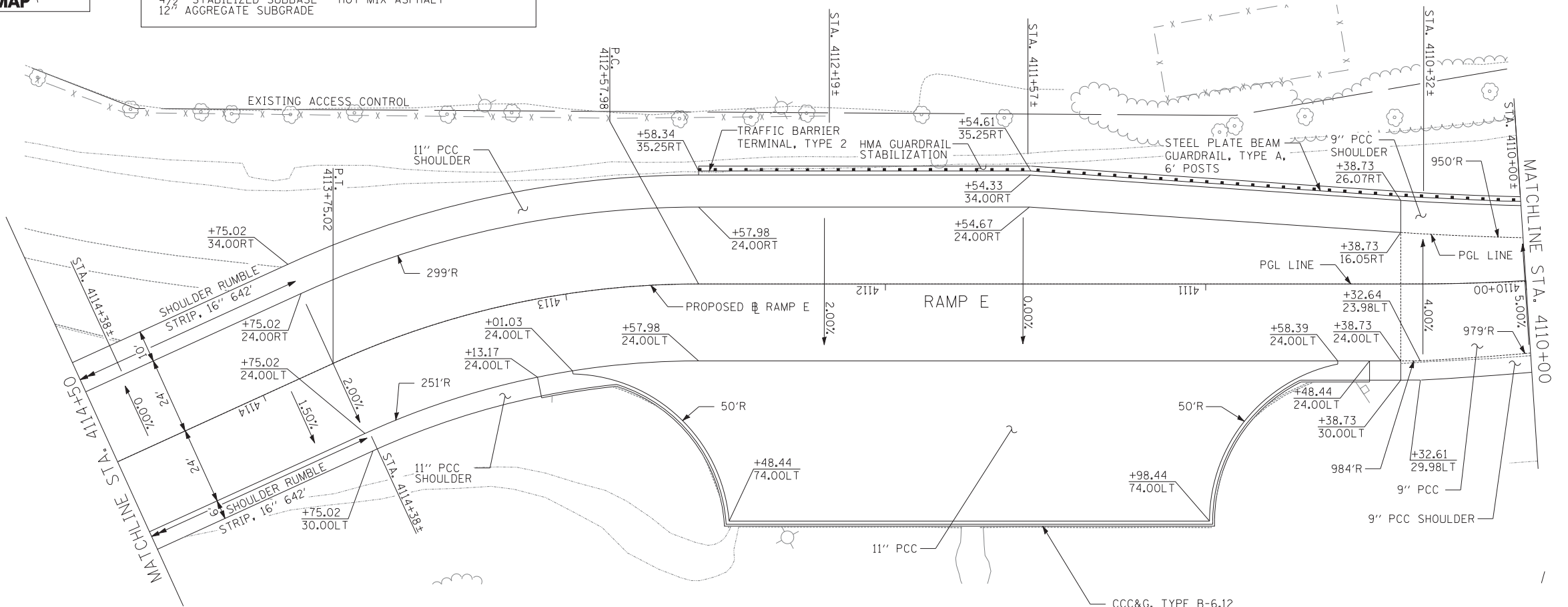


RAMP PAVEMENT:

11" OR 9" PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED)

4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT

12" AGGREGATE SUBGRADE



TYLIN INTERNATIONAL

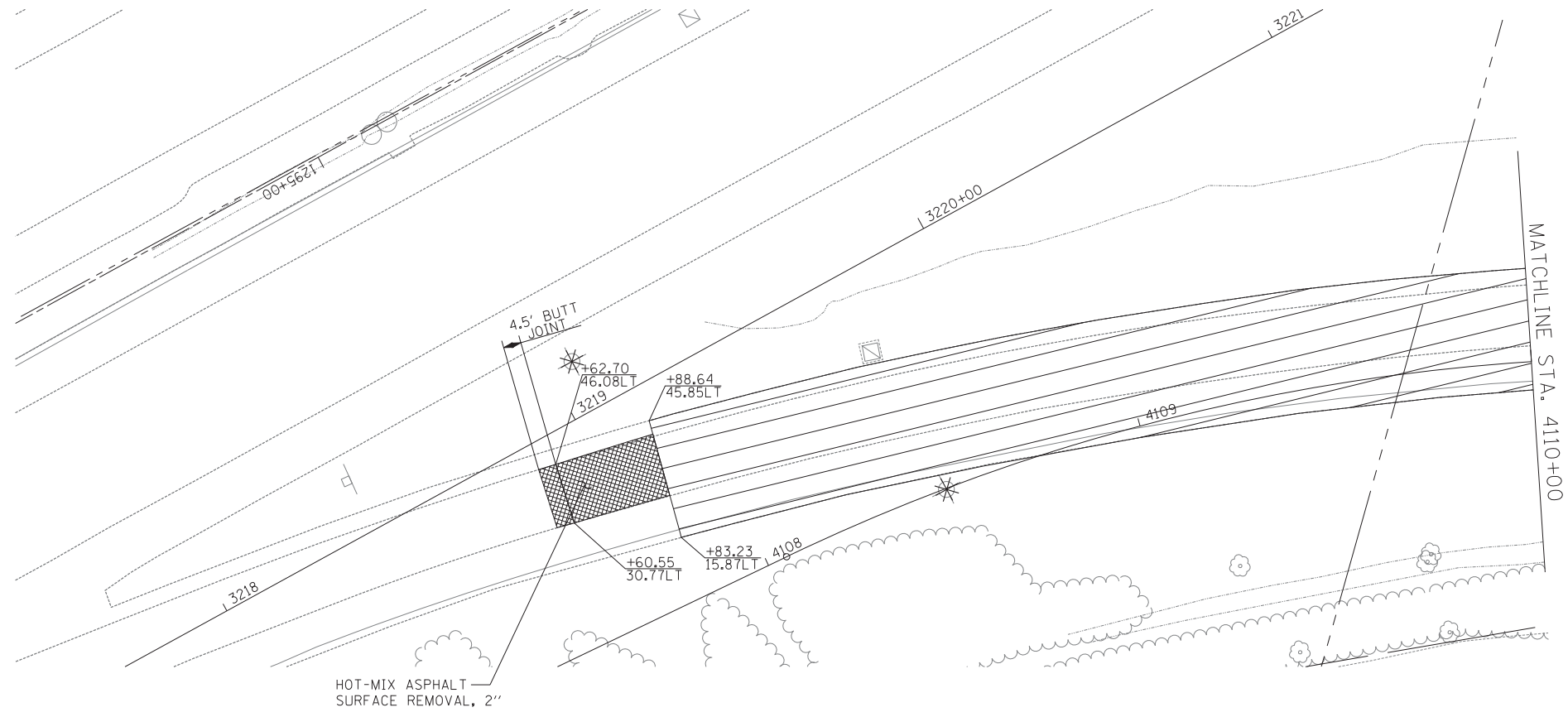
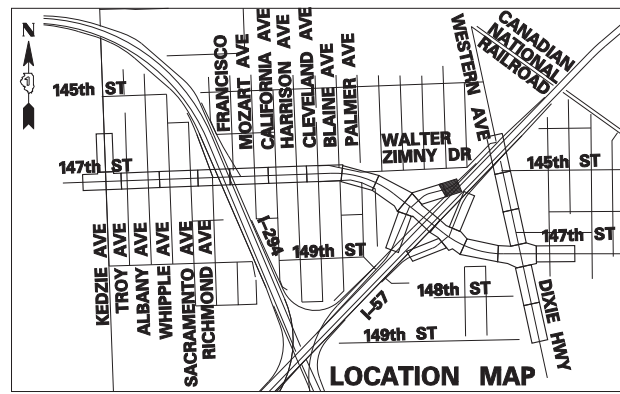
USER NAME =	DESIGNED - DM	REVISED -
DRAWN - DM	REVISED -	
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

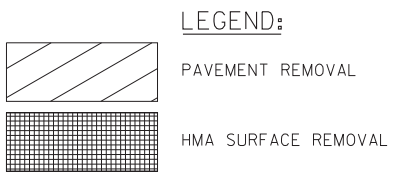
**17TH STREET PROJECT
REMOVAL AND PROPOSED PLANS - RAMP E**

SCALE: 1"=20' SHEET NO. 22 OF 25 SHEETS STA. 4109+00 TO STA. 4114+50

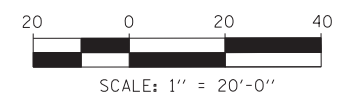
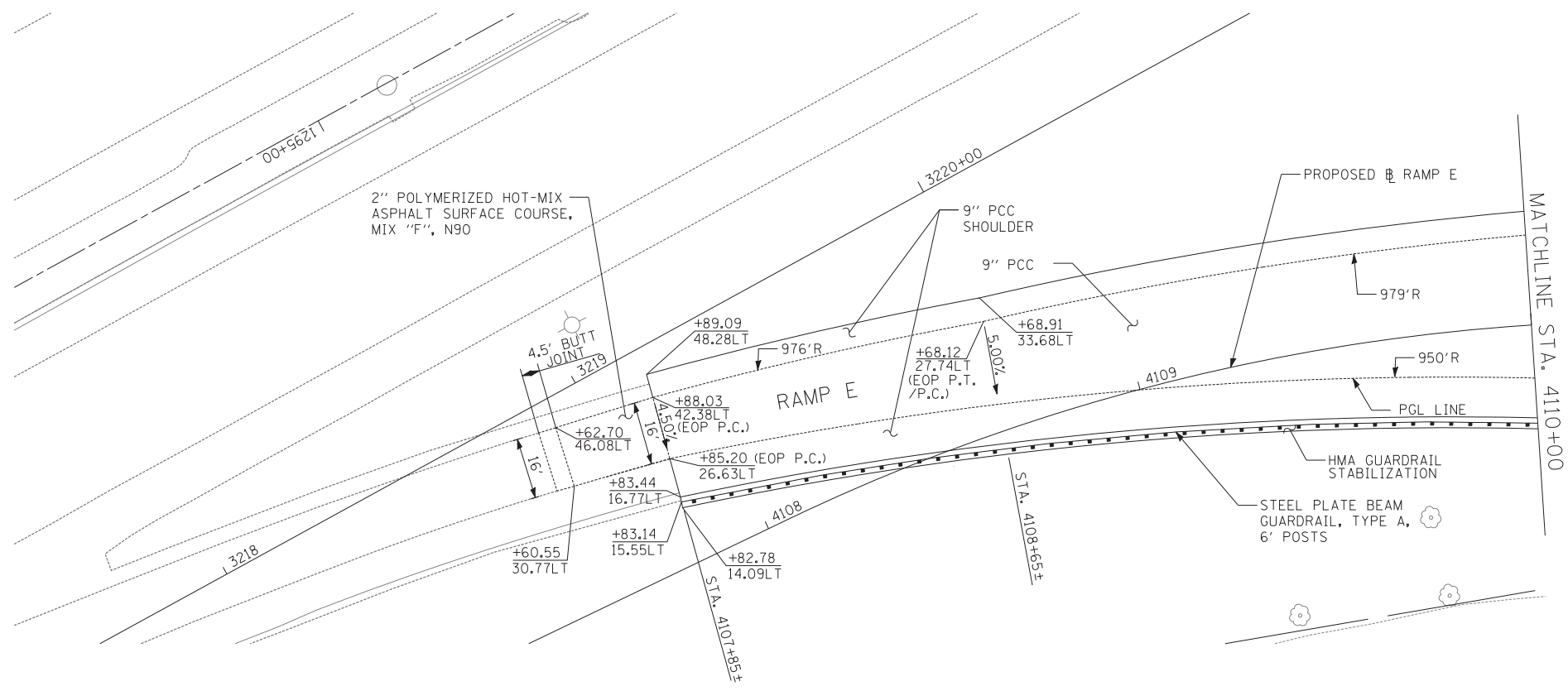
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	78
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	



RAMP PAVEMENT:
 9" PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED)
 4 1/2" STABILIZED SUBBASE - HOT-MIX ASPHALT
 12" AGGREGATE SUBGRADE

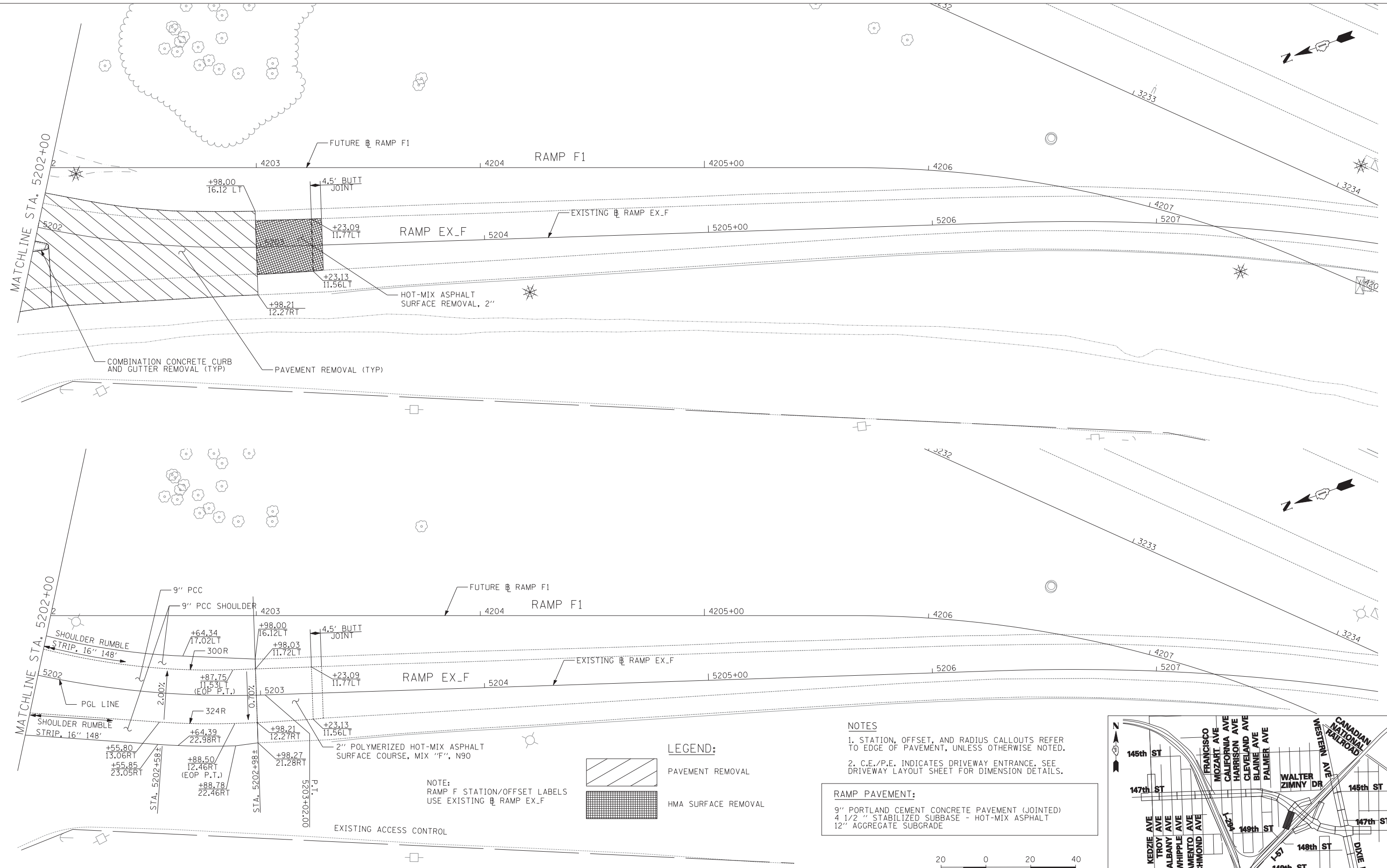


NOTES
 1. STATION, OFFSET, AND RADIUS CALLOUTS REFER TO EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED.
 2. C.E./P.E. INDICATES DRIVEWAY ENTRANCE. SEE DRIVEWAY LAYOUT SHEET FOR DIMENSION DETAILS.



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	17TH STREET PROJECT REMOVAL AND PROPOSED PLANS - RAMP E			F.A.I. RE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - JPM	REVISED -		SCALE: 1"=20'	SHEET NO. 23 OF 25 SHEETS	STA. 4109+00 TO STA. 4114+50	XX	(0405-1 & 0506-2) R-1	COOK	577	79
	PLOT DATE =	DATE - 5/23/2012	REVISED -						CONTRACT NO. 60M57			
p:\602540(57-294)\road\p10_147th\PI0_PP_SHT23.dgn								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

p:\602540(57-294)\road\p10_147th\PI0_PP_SHT23.dgn 3:52:20 PM 5/21/2012



TYLIN INTERNATIONAL

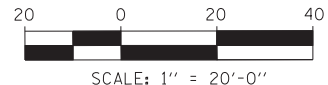
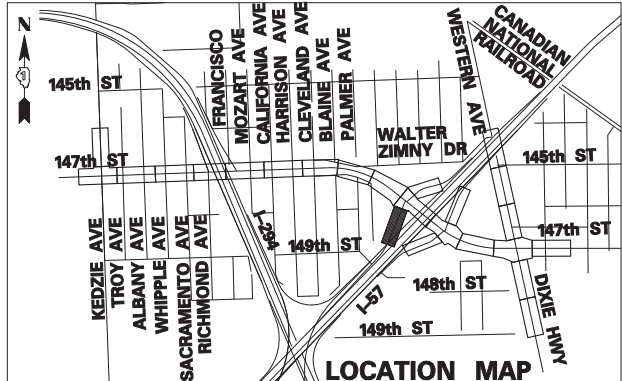
USER NAME =	DESIGNED - DM	REVISED -
	DRAWN - DM	REVISED -
PLOT SCALE =	CHECKED - JPM	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

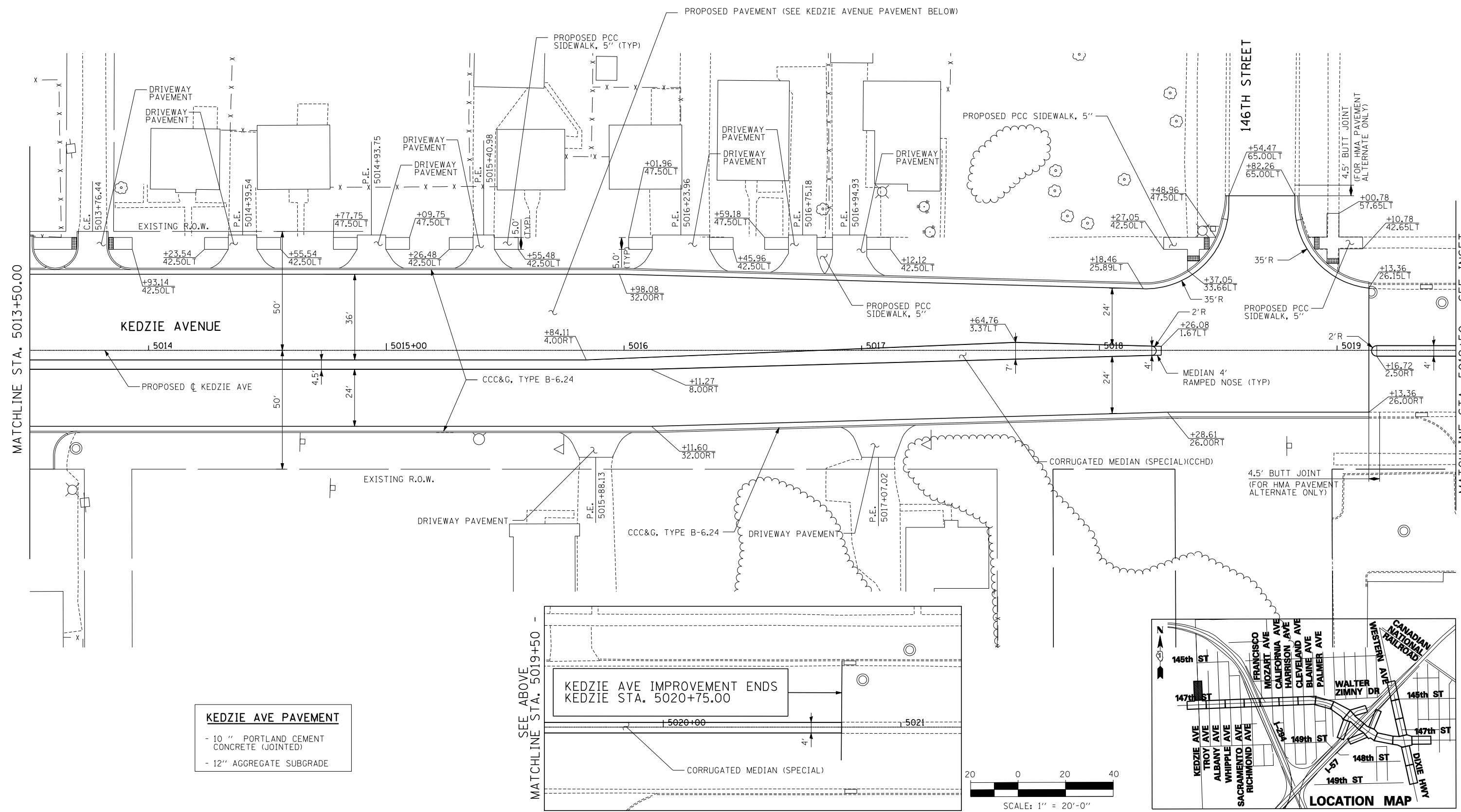
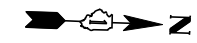
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED PLANS - SOUTHBOUND RAMPS**

SCALE: 1"=20' SHEET NO. 24 OF 25 SHEETS STA. 4201+50 TO STA. 4207+50

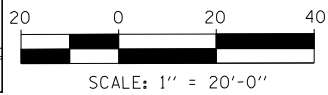
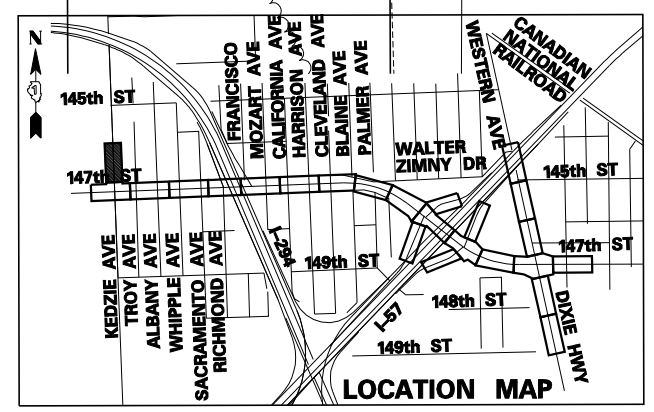
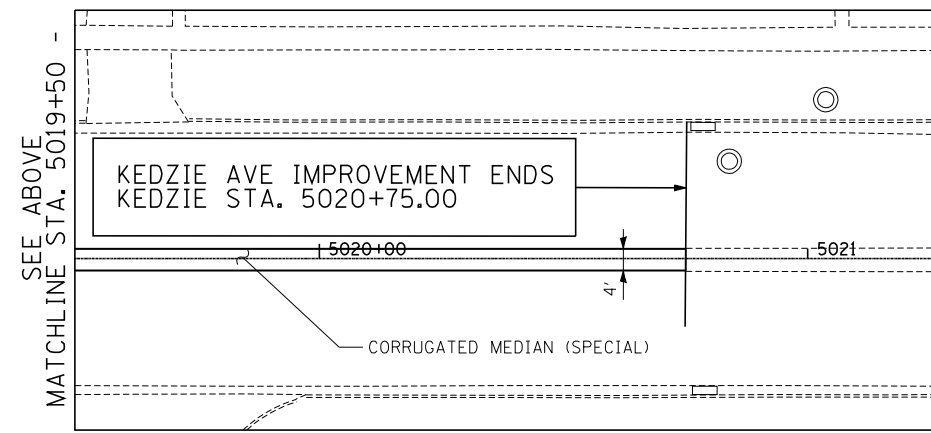
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	80
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	





KEDZIE AVE PAVEMENT

- 10" PORTLAND CEMENT CONCRETE (JOINTED)
- 12" AGGREGATE SUBGRADE



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - DM	REVISED -
	PLOT SCALE =	DRAWN - DM	REVISED -
	PLOT DATE =	CHECKED - JPM	REVISED -
		DATE - 5/23/2012	REVISED - 8/1/2012

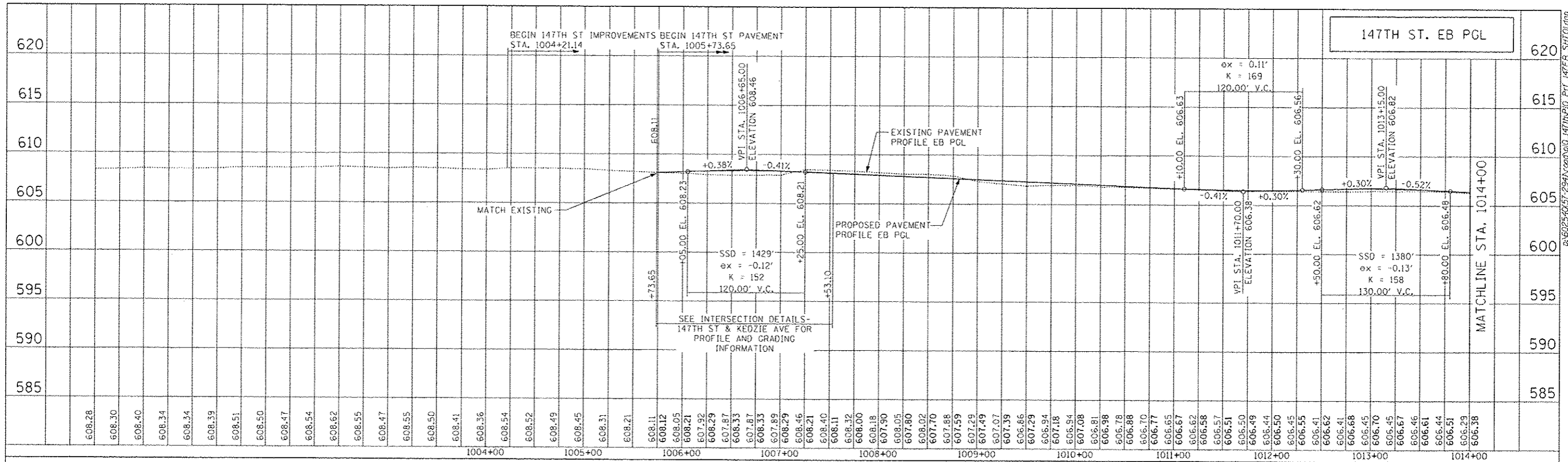
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
PROPOSED PLANS - KEDZIE AVENUE**

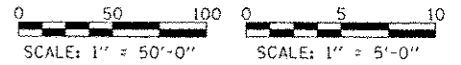
SCALE: 1"=20' SHEET NO. 25 OF 25 SHEETS STA. 5013+50 TO STA. 5019+13.36

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	81
CONTRACT NO. 60M57				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

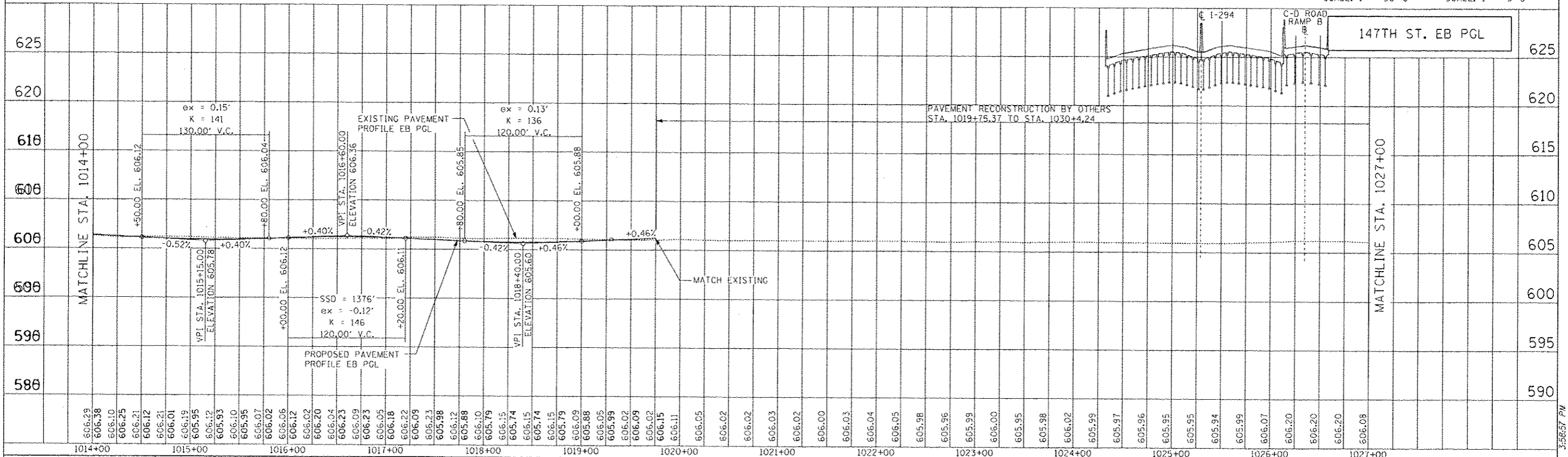
PLAN	DATE
BY	
CHECKED	
DESIGNED	
DRAWN	
NOTED	
NO.	



NOTE:
GRADES ON INTERSECTION DETAIL SHEETS SHALL GOVERN.



PROFILE	DATE
BY	
CHECKED	
DESIGNED	
DRAWN	
NOTED	
NO.	



TYLINS INTERNATIONAL

USER NAME	JPM	DESIGNED	REVIS
DRAWN	DM	DRAWN	REVIS
CHECKED		CHECKED	REVIS
DATE	5/23/2012	DATE	REVIS

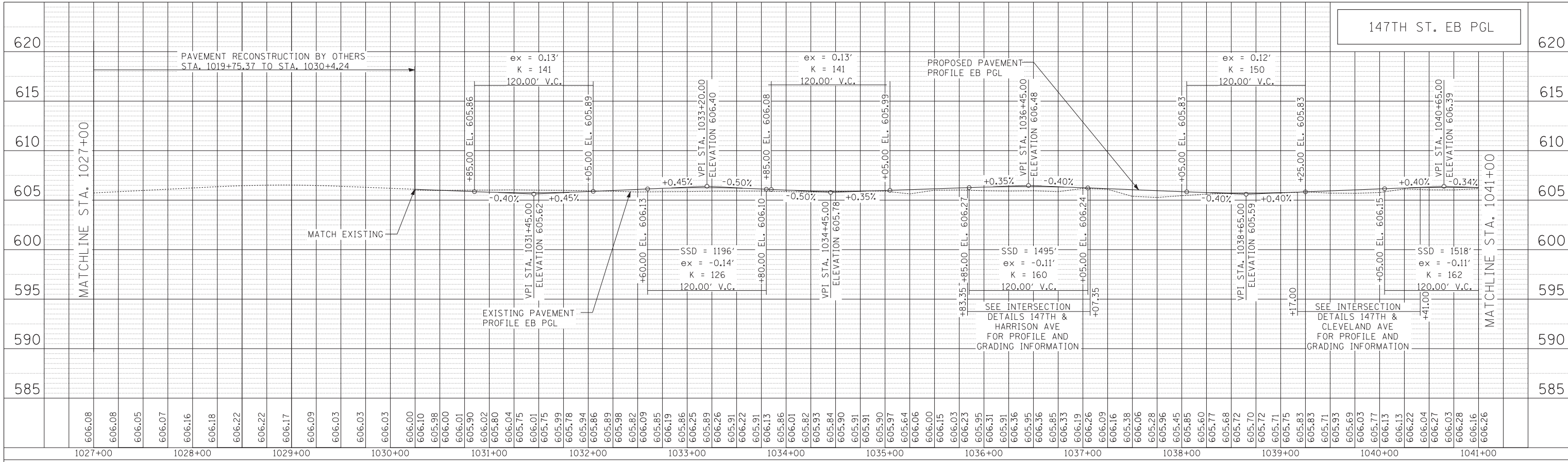
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
147TH STREET EASTBOUND PROFILE**

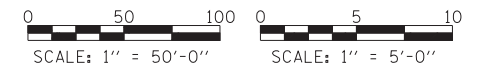
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(10405-1 & 0506-2) R-1	COOK	577	82
CONTRACT NO.		60M57		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCALE: 1"=50' SHEET NO. 1 OF 3 SHEETS STA. 1006+00 TO STA. 1027+00

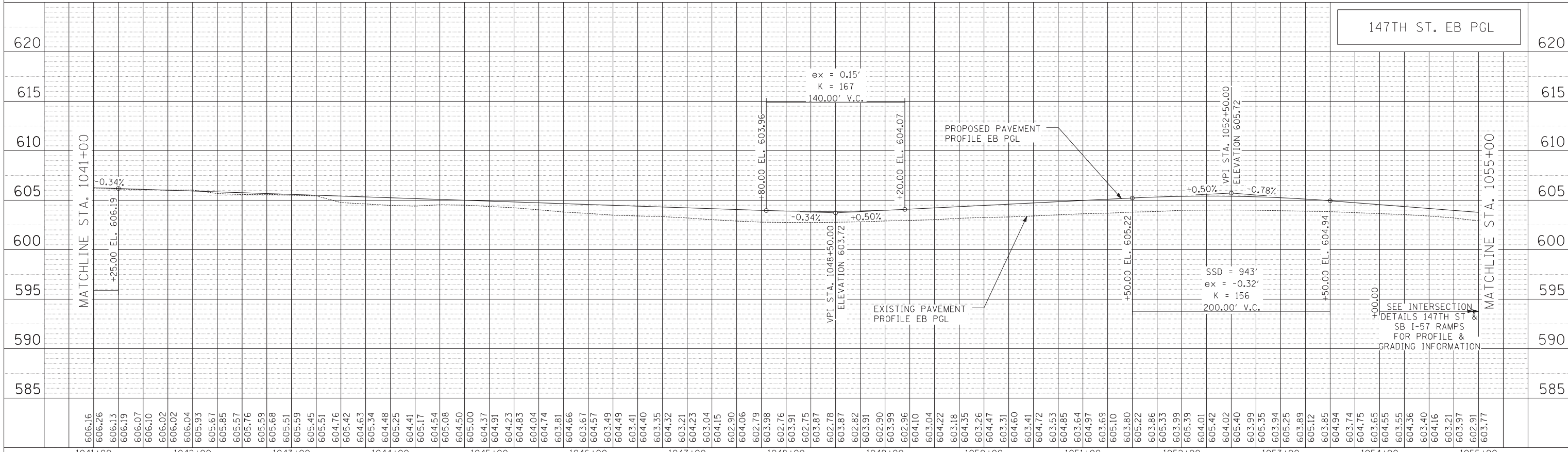
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		



NOTE:
GRADES ON INTERSECTION DETAIL SHEETS SHALL GOVERN.

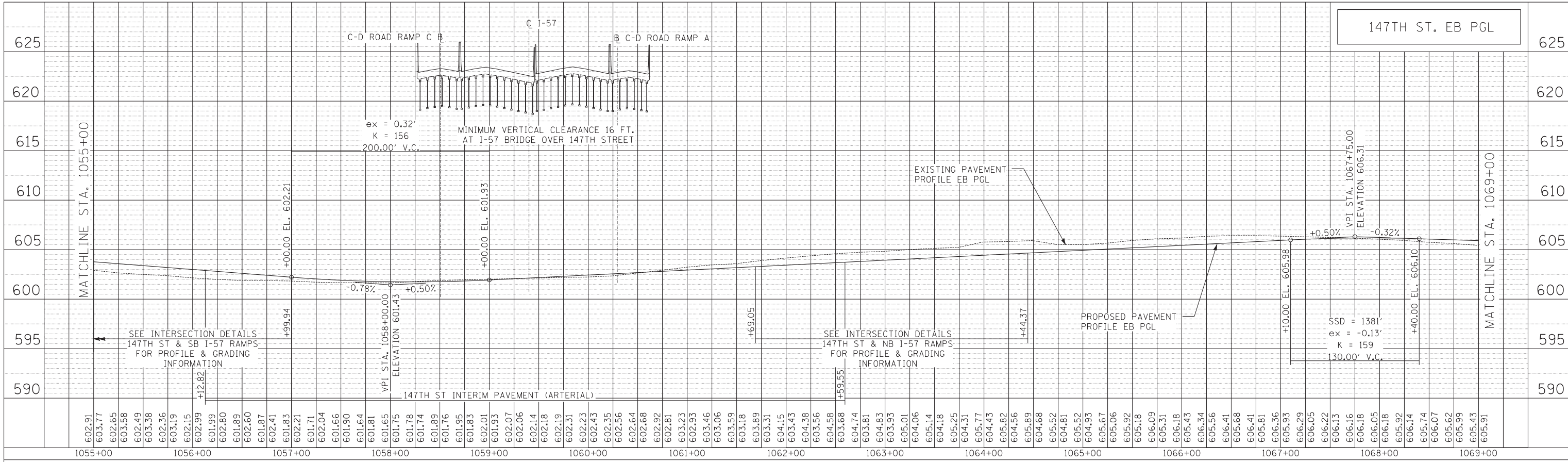


PROFILE	SURVEYED	BY	DATE
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		

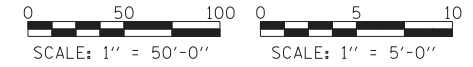


TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JPM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT			F.A.I. R.T.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	DRAWN - DM	REVISED -		147TH STREET EASTBOUND PROFILE			XX	(0405-1 & 0506-2) R-1	COOK	577	83	
	PLOT DATE	CHECKED -	REVISED -		SCALE: 1"=50'			SHEET NO. 2 OF 3 SHEETS		CONTRACT NO. 60M57			
		DATE - 5/23/2012	REVISED -		STA. 1027+00 TO STA. 1055+00			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

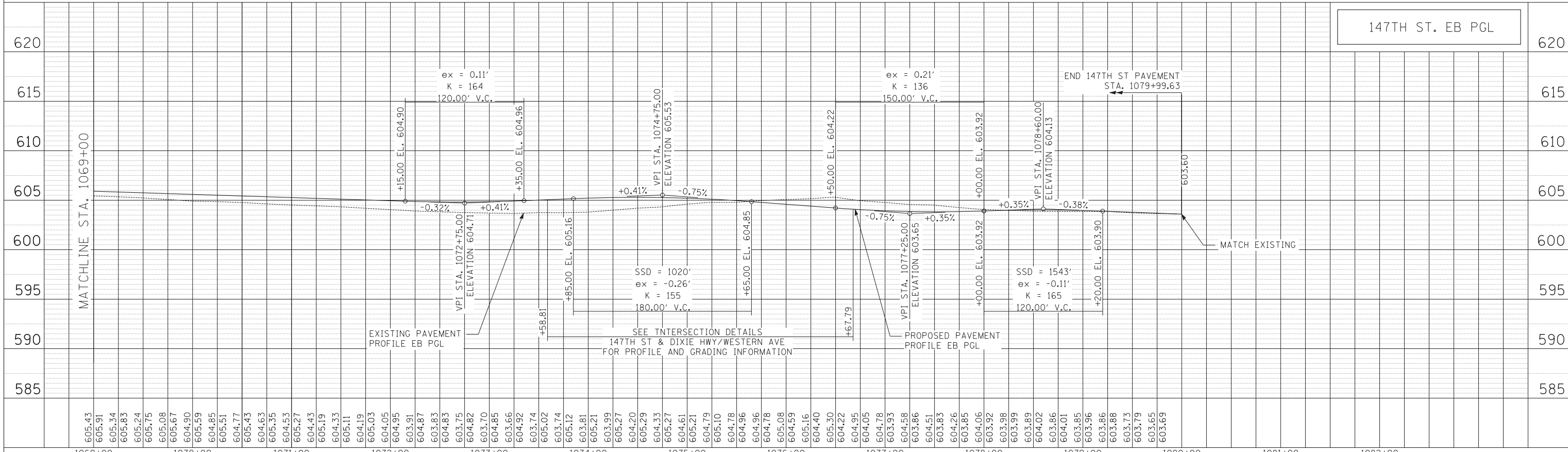
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	ALIGNMENT CHECKED		
	STRUCTURE NOTATIONS OK'D		
NOTE BOOK NO.	CADD FILE NAME		



NOTE:
GRADES ON INTERSECTION DETAIL SHEETS SHALL GOVERN.



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS OK'D		
NOTE BOOK NO.	CADD FILE NAME		



TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JPM	REVISED -
	DRAWN - DM	REVISED -
PLOT SCALE =	CHECKED -	REVISED -
PLOT DATE	DATE - 5/23/2012	REVISED -

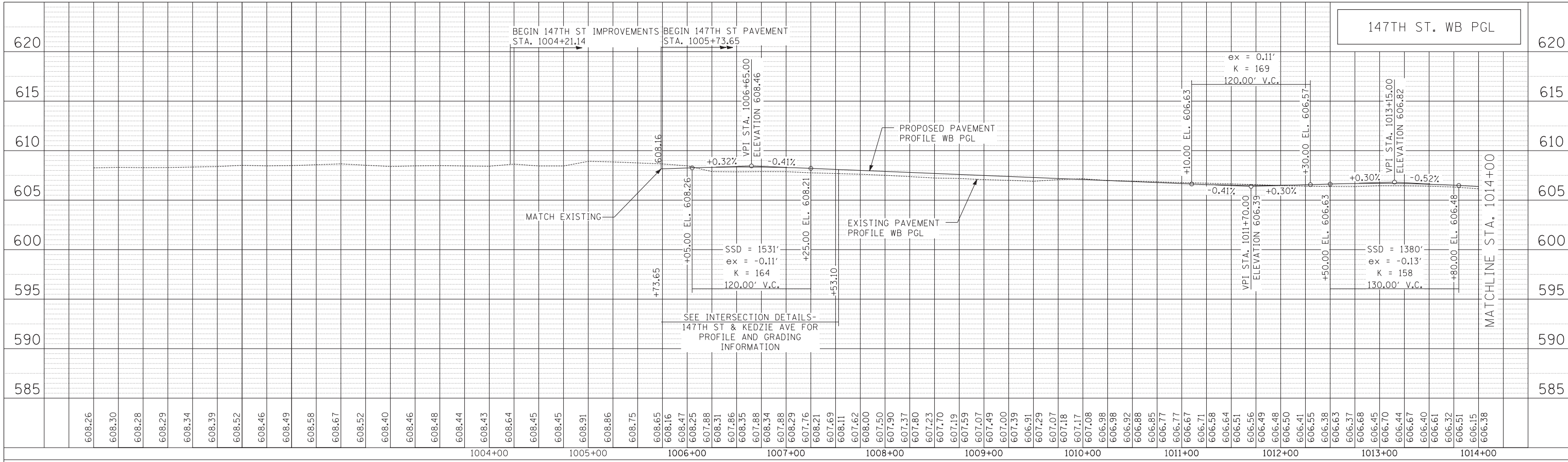
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
147TH STREET EASTBOUND PROFILE**

SCALE: 1"=50' SHEET NO. 3 OF 3 SHEETS STA. 1055+00 TO STA. 1080+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	84
CONTRACT NO. 60M57				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

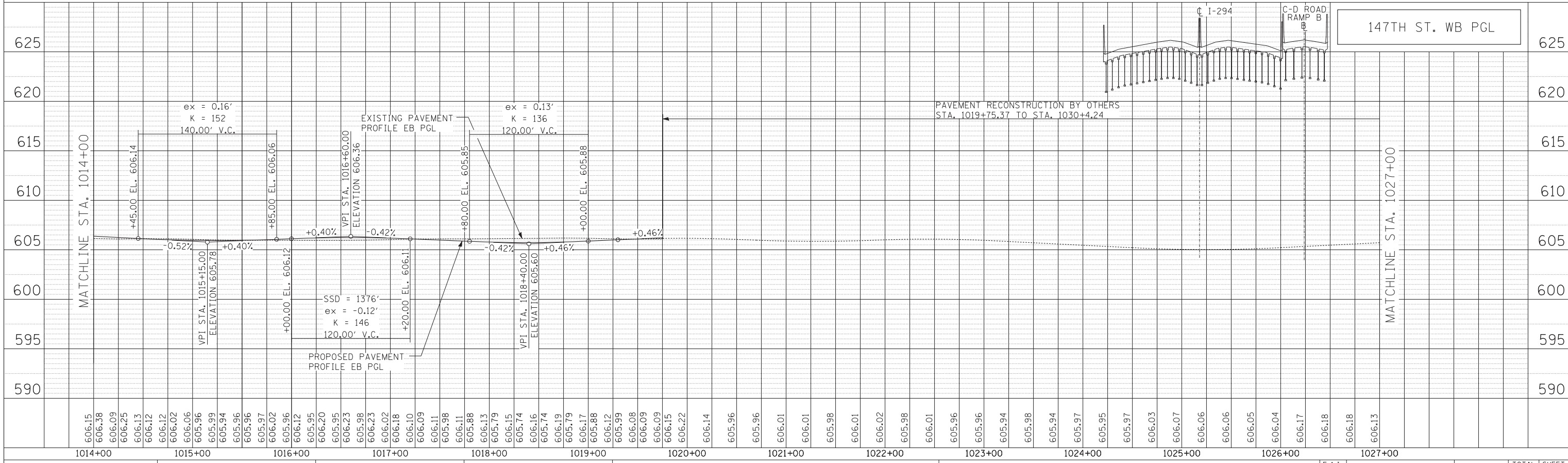
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



NOTE:
GRADES ON INTERSECTION DETAIL SHEETS SHALL GOVERN.



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CADD FILE NAME		



TYLIN INTERNATIONAL

USER NAME	DESIGNED	REVISIONS
JPM	- JPM	-
DM	- DM	-
CHECKED	-	-
DATE	5/23/2012	REVISIONS
		-

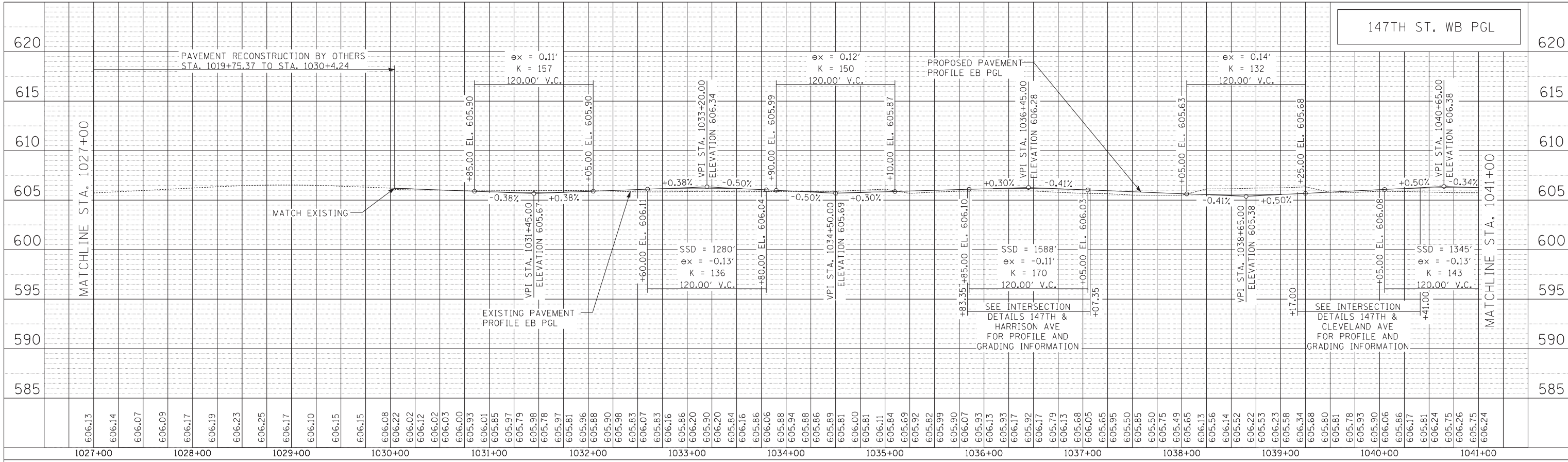
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
147TH STREET WESTBOUND PROFILE**

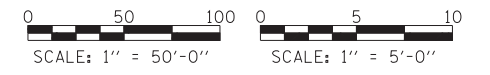
SCALE: 1"=50' SHEET NO. 1 OF 3 SHEETS STA. 1006+00 TO STA. 1027+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	85
CONTRACT NO.			60M57	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

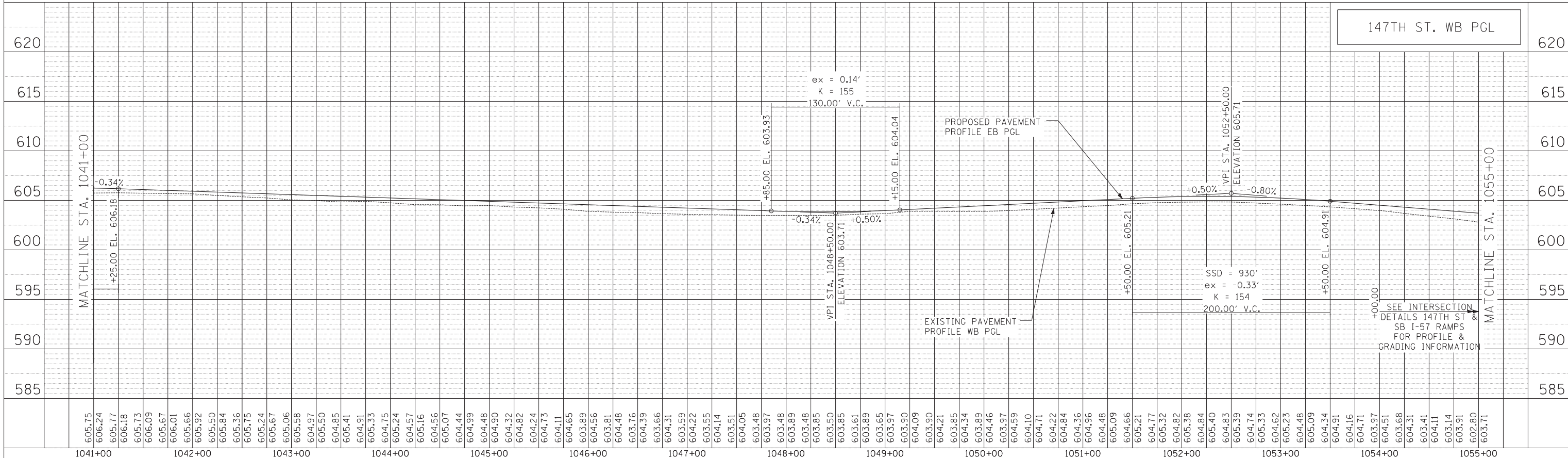
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	NOTE BOOK NO.		
	CHECKED BY		
	DATE		



NOTE:
GRADES ON INTERSECTION DETAIL SHEETS SHALL GOVERN.



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	CHECKED BY		
	DATE		



USER NAME	DESIGNED	REVISIONS
DM	JPM	-
PLOT SCALE	DRAWN	REVISIONS
DM	DM	-
PLOT DATE	CHECKED	REVISIONS
5/23/2012	DM	-
	DATE	REVISIONS
	5/23/2012	-

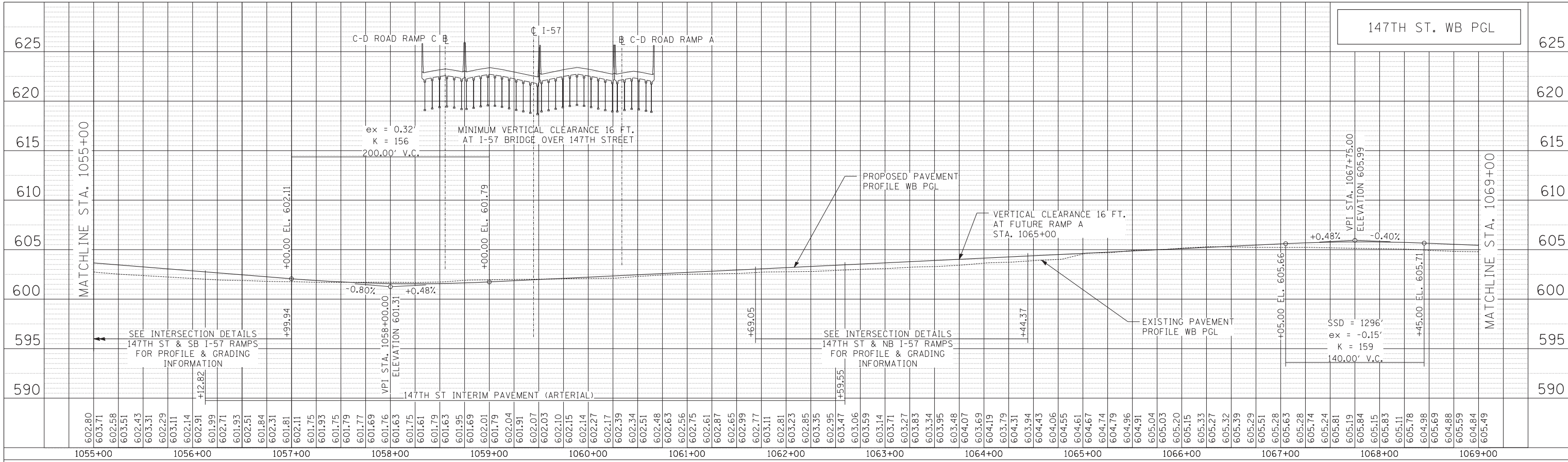
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DRAWN	REVISIONS
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DM	-
DATE	REVISIONS
5/23/2012	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

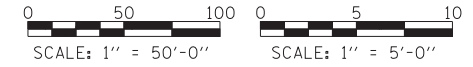
147TH STREET PROJECT	
147TH STREET WESTBOUND PROFILE	
SCALE: 1"=50'	SHEET NO. 2 OF 3 SHEETS
STA. 1027+00	TO STA. 1055+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	86
CONTRACT NO.				60M57
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

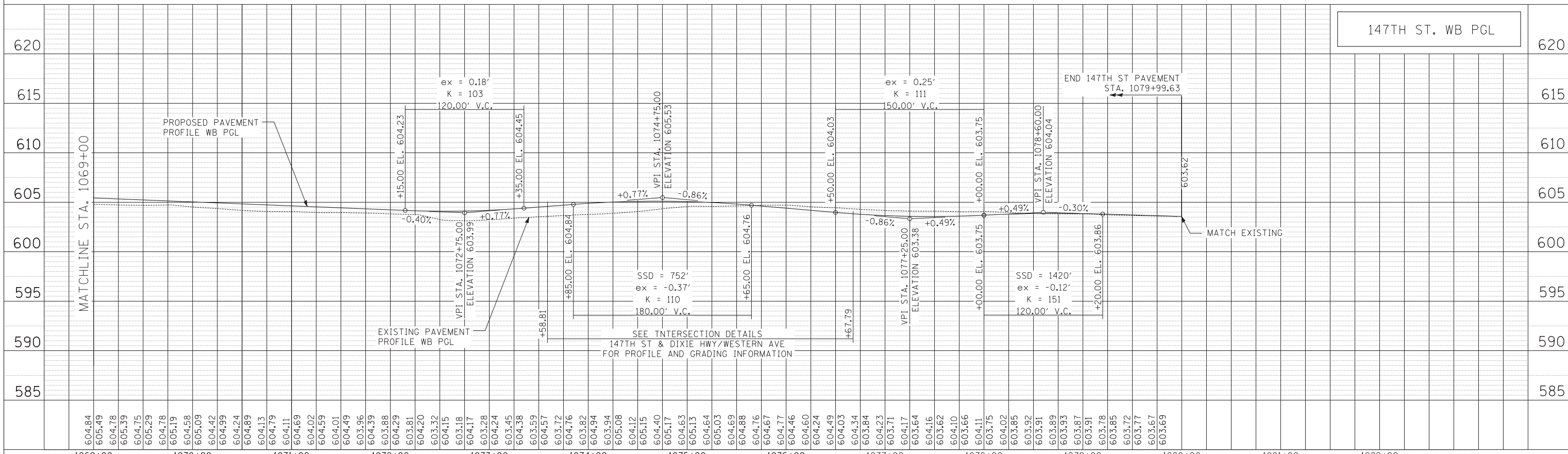
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NOTE BOOK NO.	CHECKED		
	FILE NAME		



NOTE:
GRADES ON INTERSECTION DETAIL SHEETS SHALL GOVERN.



PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
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NOTE BOOK NO.	CHECKED		
	FILE NAME		



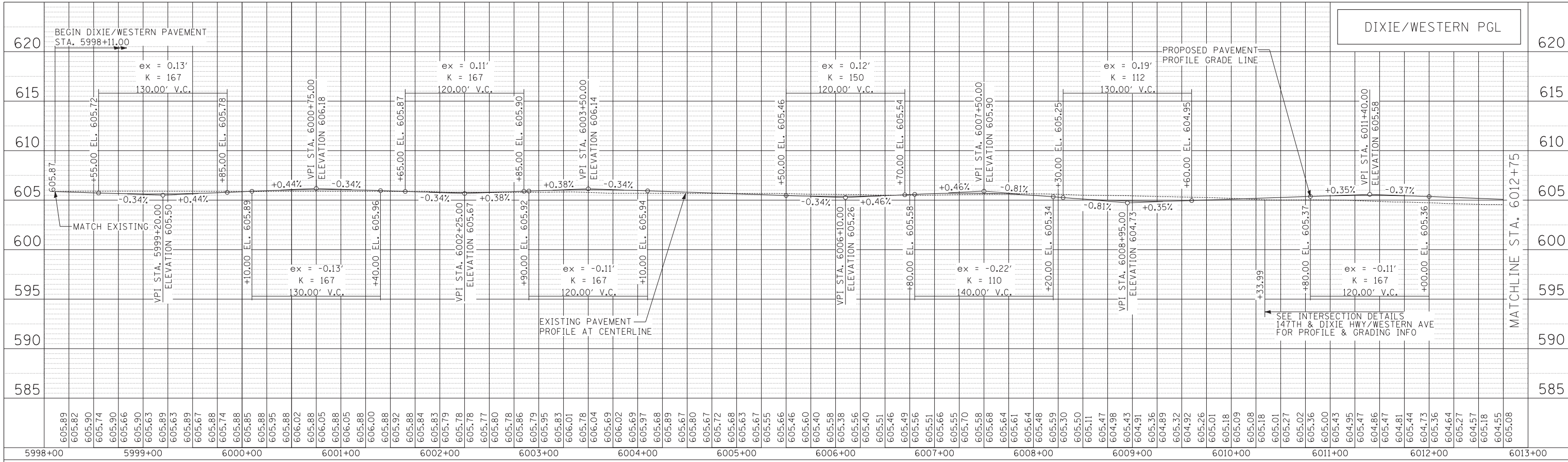
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		DRAWN - DM	REVISED -
	PLOT SCALE =	CHECKED -	REVISED -
	PLOT DATE	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT	
147TH STREET WESTBOUND PROFILE	
SCALE: 1"=50'	SHEET NO. 3 OF 3 SHEETS
STA. 1055+00	TO STA. 1080+00

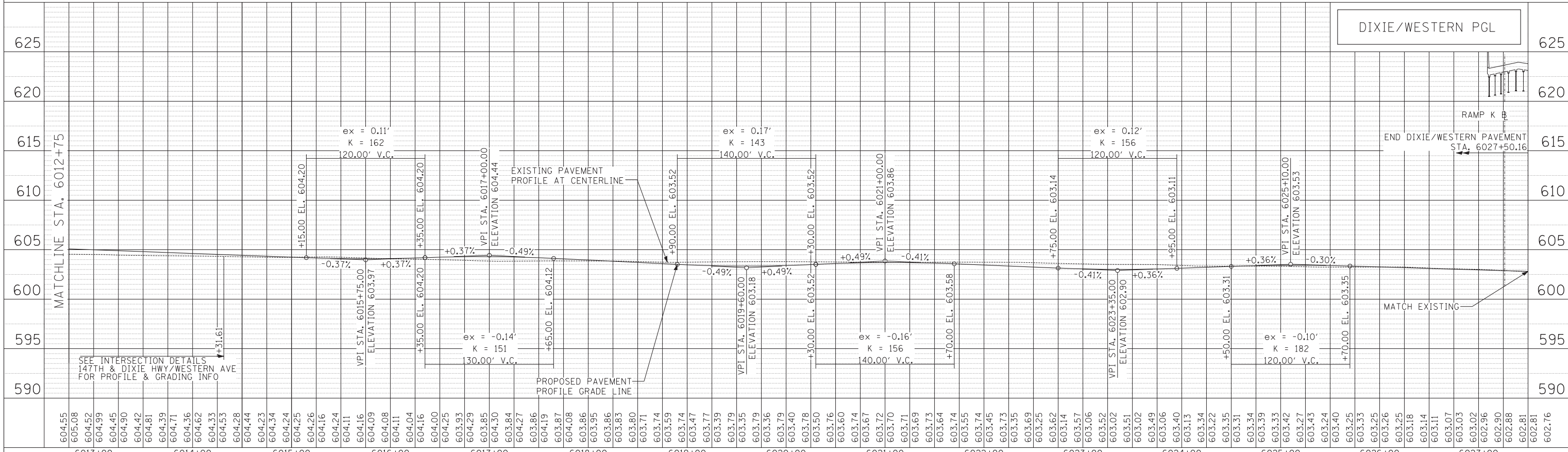
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	87
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60M57		

PLAN	SURVEYED	BY	DATE
	PLOTTED		
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	NOTE BOOK NO.		
	CHECKED		
	FILE NAME		



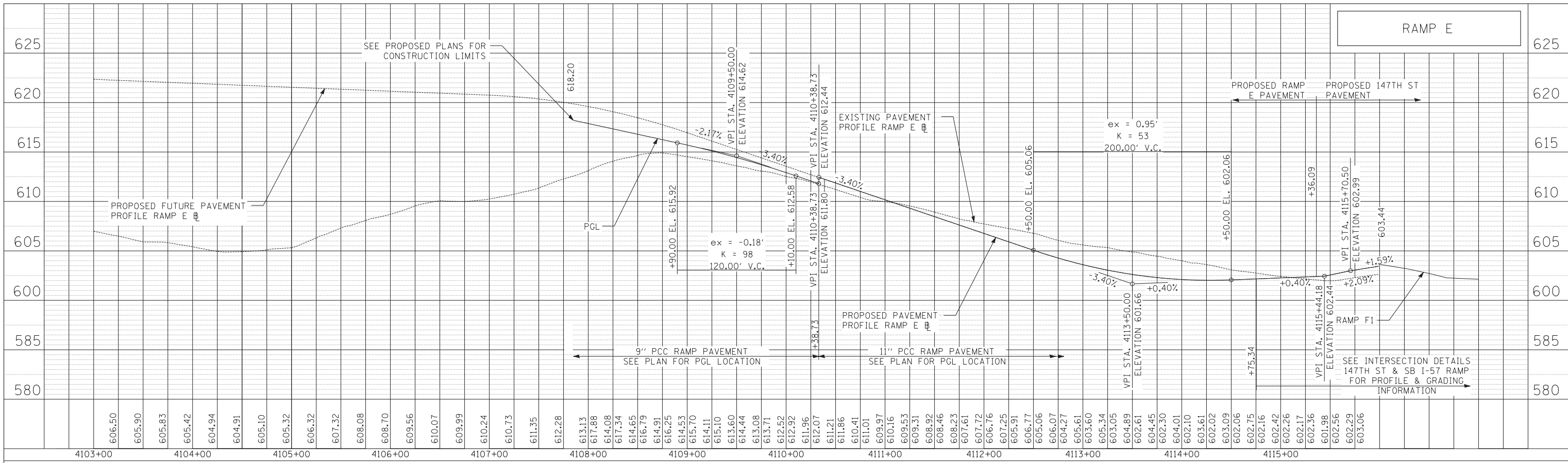
NOTE:
GRADES ON INTERSECTION DETAIL SHEETS SHALL GOVERN.

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	NOTE BOOK NO.		
	CHECKED		
	FILE NAME		

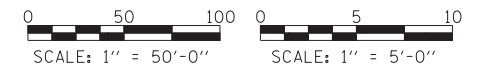


TYLIN INTERNATIONAL USER NAME - PLOT SCALE - PLOT DATE	DESIGNED - JPM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	17TH STREET PROJECT DIXIE/WESTERN PROFILE	F.A.I. SECTION COUNTY TOTAL SHEETS SHEET NO.
	DRAWN - DM	REVISED -			XX (0405-1 & 0506-2) R-1 COOK 577 88
	CHECKED -	REVISED -			CONTRACT NO. 60M57
	DATE - 5/23/2012	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

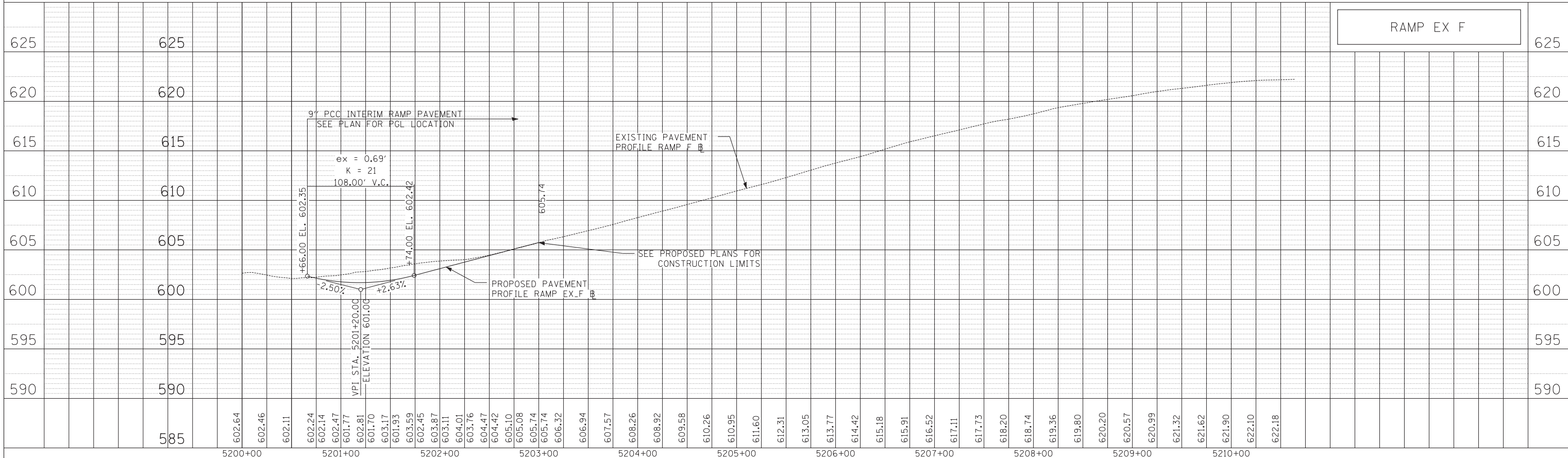
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	NOTE BOOK NO.		
	FILE NAME		



NOTE:
GRADES ON INTERSECTION DETAIL SHEETS SHALL GOVERN.



PROFILE	SURVEYED	BY	DATE
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	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	FILE NAME		



TYLIN INTERNATIONAL

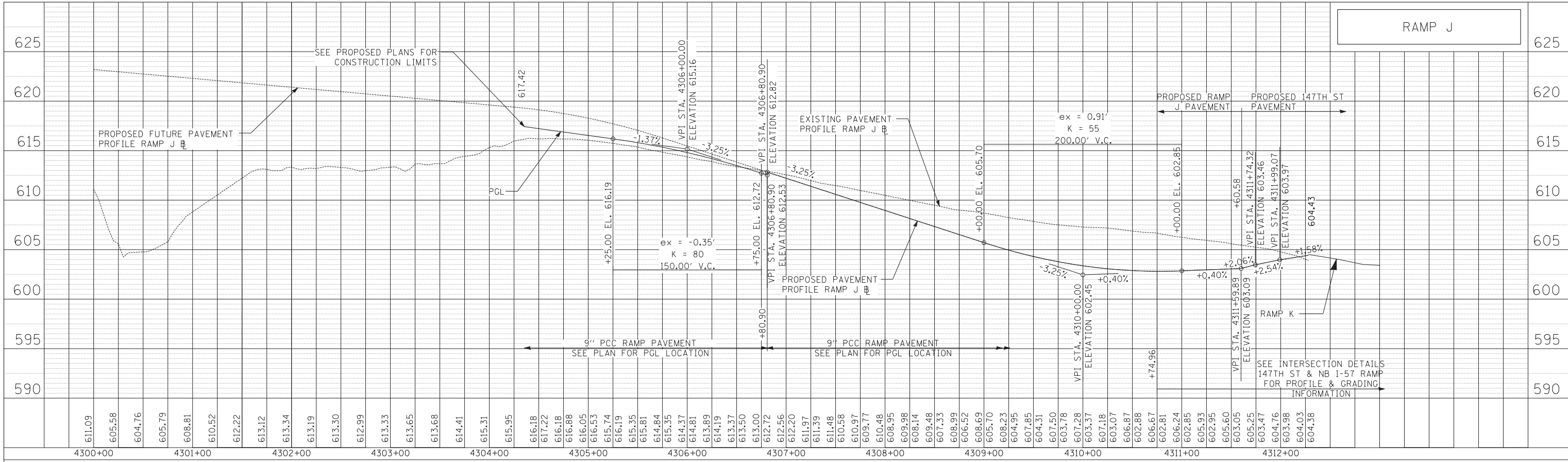
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	DRAWN - DM	REVISED -
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PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

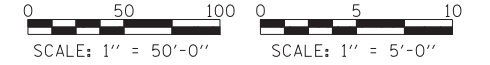
147TH STREET PROJECT RAMP E AND RAMP EX_F PROFILES	
SCALE: 1"=50'	SHEET NO. 1 OF 1 SHEETS
STA. 4103+00	TO STA. 4213+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	89
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 60M57		

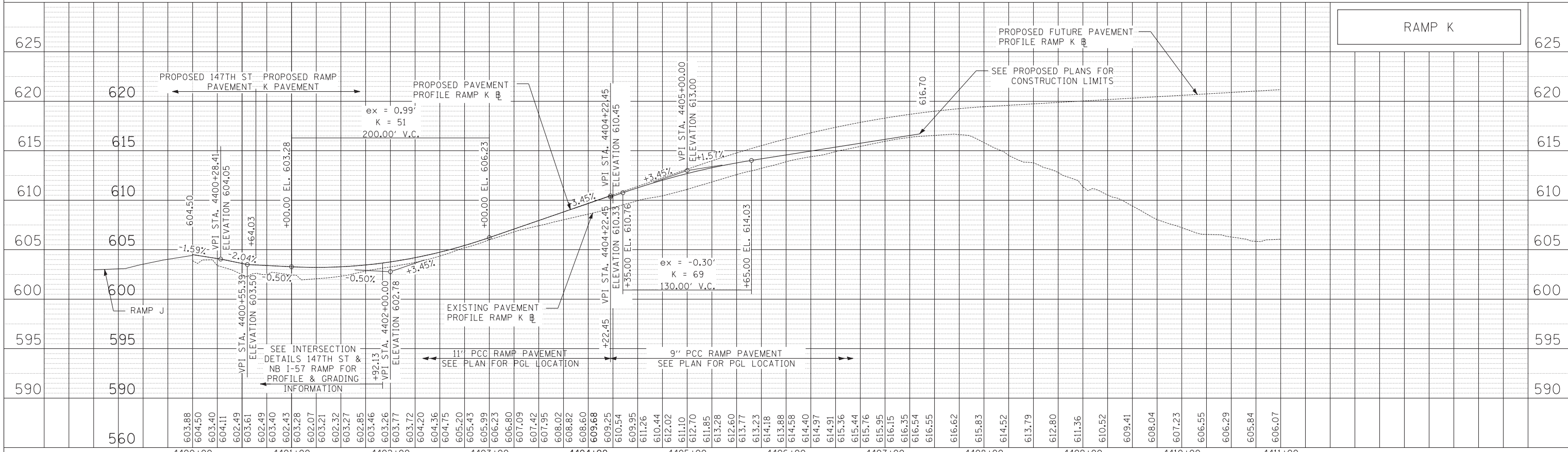
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NOTE BOOK NO.	PLOTTED		
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	PAID FILE NAME		



NOTE:
GRADES ON INTERSECTION DETAIL SHEETS SHALL GOVERN.



PROFILE	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHKD		



TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JPM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	17TH STREET PROJECT RAMP J AND RAMP K PROFILES			F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - DM	REVISED -		XX	(0405-1 & 0506-2) R-1	COOK	577	90			
	PLOT DATE =	CHECKED -	REVISED -		SCALE: 1"=50'			SHEET NO. 1 OF 1 SHEETS		STA. 4300+00 TO STA. 4411+00	CONTRACT NO. 60M57	
		DATE - 5/23/2012	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					

MAINTENANCE OF TRAFFIC GENERAL NOTES

- SEE SPECIAL PROVISIONS TITLED WORK ZONE TRAFFIC CONTROL (LUMP SUM PAYMENT) AND TRAFFIC CONTROL PLAN.
- THE CONTRACTOR MUST NOTIFY ALL EMERGENCY SERVICES (POLICE, FIRE, ETC.) LOCAL SCHOOL DISTRICTS, MUNICIPALITIES (SEE GENERAL NOTES) AND LOCAL POST OFFICE A MINIMUM OF 72 HOURS IN ADVANCE OF ANY SIDE ROAD CLOSURES.
- THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- TEMPORARY PAVEMENT MARKINGS SHALL BE PAVEMENT MARKING TAPE, TYPE III.
- QUANTITY FOR TEMPORARY PAVEMENT MARKING - LINE 6" WAS ASSUMED TO BE EQUAL TO THE LENGTH OF TEMPORARY CONCRETE BARRIER. UTILIZED WHEN THE BARRIER IS LOCATED ONE FOOT OR LESS FROM THE EDGE OF THE TRAVELED WAY.
- THE CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND EROSION PROTECTION FOR THE DURATION OF THE PROJECT.
- A TOTAL OF 6 CHANGEABLE MESSAGE SIGNS SHALL BE LOCATED AT THE APPROACH ENDS OF THE PROJECT FOR THE DURATION OF THIS CONTRACT. THE EXACT PLACEMENT OF THE SIGNS SHALL BE DETERMINED BY THE ENGINEER.
- ANY RAISED REFLECTIVE PAVEMENT MARKERS THAT CONFLICT WITH THE TEMPORARY TRAFFIC LANES SHALL HAVE THE REFLECTIVE LENSES REMOVED AS DIRECTED BY THE ENGINEER. THE COST OF THE REMOVAL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL COMMERCIAL AND PRIVATE ENTRANCES WITHIN THE PROJECT LIMITS AT ALL TIMES. DRIVEWAY ENTRANCE SIGNS SHALL BE PROVIDED AND PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD, TC-26. THE COST OF MAINTAINING ACCESS TO ALL DRIVEWAYS IS INCLUDED AS PART OF "TEMPORARY ACCESS (PRIVATE ENTRANCE)", "TEMPORARY ACCESS (COMMERCIAL ENTRANCE)", AND "TEMPORARY ACCESS (ROAD)" AND NO ADDITIONAL COST WILL BE ALLOWED. TEMPORARY ACCESS CLOSURES WILL BE ALLOWED ONLY AT THE DIRECTION OF THE ENGINEER.
- ALL TEMPORARY PAVEMENT USED DURING THE PROJECT SHALL BE EITHER (1) 7.5" PORTLAND CEMENT CONCRETE BASE COURSE, OR (2) 8" HMA CONSISTING OF 2" HMA SURFACE COURSE, MIX "D", N50 OVER 6" HMA BASE COURSE, IL-19.0, N50.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY OF ALL EXISTING ROADWAYS LOCATED WITHIN THE PROJECT LIMITS, SEE THE MAINTENANCE OF ROADWAYS SPECIAL PROVISION. THIS INCLUDES BUT IS NOT LIMITED TO AREAS IN WHICH LANE REDUCTION TAPERS ARE REQUIRED BY THE DETAILS AND IDOT STANDARDS AND NOT SHOWN IN THE PLANS.
- THE CONTRACTOR SHALL PROVIDE ALL SIGNS, BARRICADES, TEMPORARY BARRIER WALLS AND PROTECTION NECESSARY FOR THE MAINTENANCE OF TRAFFIC AS NOTED IN THE CONTRACT DOCUMENTS, OR AS DIRECTED BY THE ENGINEER. THE COST OF THESE ITEMS SHALL BE INCLUDED IN THE APPLICABLE PAY ITEMS.
- ALL BARRICADES, DRUMS, AND VERTICAL PANELS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURNING LIGHTS.
- SOLID WHITE LINES SHALL BE USED TO DEFINE OUTSIDE LANE LINES DURING MAINTENANCE OF TRAFFIC WHERE CURB AND GUTTER DOES NOT EXIST
- DOUBLE SOLID 4" YELLOW LINES SHALL BE USED TO SEPARATE OPPOSING TRAFFIC EXCEPT IN AREAS OF OPPOSING TRAFFIC MERGES WHERE 8" GORE LINES SHALL BE USED.
- ALL TEMPORARY PAVEMENT MARKINGS PROPOSED WITHIN THE WORK AREA SHALL BE COMPLETED PRIOR TO THE START OF CONSTRUCTION FOR EACH STAGE.
- ALL WARNING SIGNS WILL BE BLACK LEGEND AND BORDER ON ORANGE REFLECTORIZED BACKGROUND UNLESS OTHERWISE SPECIFIED. ALL WARNING SIGNS SHALL BE 48" x 48".
- ALL ADVANCE WARNING SIGNS FOR THE PROJECT SHALL BE INSTALLED PRIOR TO THE START OF CONSTRUCTION FOR EACH STAGE AND PLACED ACCORDING TO THE DETAILS AND IDOT STANDARDS 701101, 701601, AND 701606.
- THE CONTRACTOR SHALL OBTAIN WRITTEN APPROVAL OF THE ENGINEER FOR ANY METHODS OF TRAFFIC CONTROL AND PROTECTION DIFFERENT THAN THAT SHOWN ON THE PLANS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR.
- THE CONTRACTOR SHALL NOT CHANGE THE CONSTRUCTION STAGING PLANS WITHOUT WRITTEN APPROVAL OF THE ENGINEER AND IDOT AND ANY ADDITIONAL COSTS RESULTING FROM AN APPROVED CHANGE SHALL BE BORNE BY THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS CONSTRUCTION OPERATIONS WITH THE CONSTRUCTION AND MAINTENANCE OPERATIONS, INCLUDING UTILITY RELOCATIONS AND ADJUSTMENTS, OF OTHER CONTRACTORS WORKING ADJACENT TO AND/OR WITHIN THE LIMITS OF THE PROJECT.
- ARROW BOARDS SHALL BE REQUIRED WHEN IMPLEMENTING ALL LANE CLOSURES.
- "STOP AT LINE" SIGNS SHOULD BE PLACED AT ALL LOCATIONS WHERE STOP BAR PAVEMENT MARKINGS ARE INSTALLED.
- THE CONTRACTOR SHALL PLACE HIGH EARLY STRENGTH CONCRETE IF PCC ALTERNATE IS USED IN AREAS WHERE TRUCK TURNING RESTRICTIONS ARE IN PLACE. RESTRICTION SHALL NOT LAST LONGER THAN 14 CALENDAR DAYS.
- THE CONTRACTOR SHALL PLACE AND MAINTAIN SIDEWALK CLOSURES PER STD. 701801. THIS WORK WILL BE INCLUDED AS PART OF TRAFFIC CONTROL AND PROTECTION (SPECIAL).

- A 'BOXED' NOTE INDICATES AN ITEM OF WORK THAT IS NOT PAID FOR SEPARATELY, BUT IS PAID FOR AS PART OF ANOTHER ITEM LISTED IN THE SUMMARY OF QUANTITIES.
- CONTRACTOR MUST PROVIDE A 3:1 SLOPE BEHIND ANY DROP-OFF HEIGHTS GREATER THAN 18" WHEN ADJACENT TRAVEL LANES ARE LESS THAN 3 FT AWAY. CONTRACTOR MUST ALSO PROVIDE A 3:1 SLOPE WHEN ADJACENT TRAVEL LANES ARE GREATER THAN 3FT AWAY FROM DROP-OFF AND DROP-OFF HEIGHT IS GREATER THAN 24". FILL MATERIAL FOR 3:1 SLOPE MAY BE CLEAN EXCAVATED MATERIAL FROM THE SITE OR CRUSHED AGGREGATE. BROKEN CONCRETE IS NOT ALLOWED. THE COST OF PROVIDING, PLACING AND REMOVING FILL MATERIAL IS INCLUDED IN THE COST OF MAINTENANCE OF TRAFFIC. SEE "DROP-OFF PROTECTION DETAIL" BELOW.

CONSTRUCTION STAGING NOTES

GENERAL CONSTRUCTION STAGING NOTES

FOR STREET NAME AND QUADRANT NOMENCLATURE, SEE DETAIL ON MAINTENANCE OF TRAFFIC SIGNING AND DETAILS SHEET.

ADDITIONAL THERMOPLASTIC PAVEMENT MARKINGS QUANTITIES HAVE BEEN PROVIDED TO RESTORE THE AREAS OUTSIDE OF THE PROJECT LIMITS IMPACTED BY LANE CLOSURE TAPERS. THE CONTRACTOR SHALL RESTORE THE MARKINGS AT THE DIRECTION AND TO THE SATISFACTION OF THE ENGINEER.

PRE STAGE

MAINTAIN TRAFFIC IN EXISTING TRAFFIC LANES USING DAY LANE CLOSURE STANDARDS 701601, 701606 AND 701701 AS NEED FOR CONSTRUCTION. CONSTRUCT TEMPORARY PAVEMENT AS SHOWN AND REMOVE CURB AND GUTTER/MEDIAN AS SHOWN ON THE PLANS.

PERFORM NECESSARY TREE REMOVAL AND CLEARING.

ALLOW UTILITY RELOCATION AND/OR ADJUSTMENTS.

INSTALL TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTIONS WITH: KEDZIE AV., SACRAMENTO AV., HARRISON ST., CLEVELAND AV., EAST RAMP TERMINAL, WEST RAMP TERMINAL, AND DIXIE/WESTERN.

CONSTRUCT THE PROPOSED MAIN STORM SEWERS AND ASSOCIATED STRUCTURES ALONG 147TH ST AND DIXIE/WESTERN AVENUE WHERE POSSIBLE USING DAY LANE CLOSURES.

CONSTRUCT VILLAGE OWNED WATER MAIN IN NORTH ROW.

RELOCATE EXISTING LIGHTING FOR USE AS TEMPORARY LIGHTING.

INSTALL TEMPORARY PAVEMENT AT LOCATIONS SHOWN ON PLANS

INSTALL TEMPORARY TRAFFIC CONTROL MEASURES FOR STAGE 1 CONSTRUCTION. SHIFT TRAFFIC.

STAGE 1

147TH STREET

CONSTRUCT SHEET PILING AS REQUIRED FOR CONSTRUCTION.

CONSTRUCT REMAINING MAIN STORM SEWERS AND ASSOCIATED STRUCTURES IN STAGE 1, 1A, 1B, AND 1C WORK ZONES.

INSTALL LATERALS TO PREVIOUSLY CONSTRUCTED SEWERS AS NEEDED DURING CONSTRUCTION.

CONSTRUCT INTERSECTIONS WITH 147TH STREET USING SUBSTAGE CONSTRUCTION.

CONSTRUCT NEW EASTBOUND LANES FROM STATION 1006+69 TO STA. 1080+00.

CONSTRUCT TEMPORARY PAVEMENT AS NEEDED FOR STAGE 1A.

KEDZIE AVENUE

CONSTRUCT NEW NORTHBOUND LANES FROM STA. 5012+89 TO 5019+13.

PLACE "DETOUR PLAN A" SIGNING.

RESTRICT TRUCK RIGHT TURNS FROM NORTHBOUND KEDZIE AVENUE ONTO 147TH STREET. RESTRICTION SHALL NOT LAST LONGER THAN 14 CALENDAR DAYS.

CONSTRUCT TRAFFIC CONTROL AND TEMPORARY PAVEMENT AS NEEDED FOR 1A.

DIXIE HWY./WESTERN AVE.

CONSTRUCT NEW NORTHBOUND LANES ON DIXIE/WESTERN FROM STA. 5998+11 TO STA. 6027+50.

CONSTRUCT PERMENANT LIGHTING.

INSTALL TRAFFIC CONTROL AND TEMPORARY PAVEMENT FOR STAGE 1A.

I-57 RAMPS

CONSTRUCT RAMP F EASTBOUND SECTION OF PAVEMENT AND 147TH STREET EASTBOUND LANES AT ENTRANCE TO RAMP F.

CONSTRUCT RAMP J LEFT TURN LANES.

CONSTRUCT RAMP E RIGHT TURN LANES.

CONSTRUCT TEMPORARY PAVEMENT AS NEEDED FOR STAGE 2 ON RAMP K.

CONSTRUCT TRAFFIC CONTROL AND TEMPORARY PAVEMENT AS NEEDED FOR STAGE 1A.

STAGE 1A

KEDZIE AVENUE

SHIFT TRAFFIC ON KEDZIE AVENUE AS SHOWN ON THE PLANS.

CONSTRUCT PARTIAL LEFT TURN LANE ON SOUTH LEG OF INTERSECTION.

DIXIE HWY./WESTERN AVE.

SHIFT TRAFFIC ON DIXIE/WESTERN.

CONSTRUCT LEFT TURN LANES ON NORTHBOUND DIXIE HIGHWAY.

CONSTRUCT TEMPORARY PAVEMENT AS SHOWN ON PLANS.

I-57 RAMPS

SHIFT TRAFFIC ON 147TH STREET IN THE VICINITY OF THE RAMPS AS SHOWN ON PLANS.

CONSTRUCT RAMP F RIGHT TURN LANE AND HALF OF WEST SIDE LANE.

CONSTRUCT RAMP J RIGHT TURN LANES.

STAGE 1B

KEDZIE AVENUE

SHIFT TRAFFIC ON KEDZIE AVENUE AS SHOWN ON THE PLANS.

CONSTRUCT SOUTHWEST QUADRANT OF INTERSECTION.

PLACE "DETOUR PLAN B" SIGNING.

RESTRICT TRUCK RIGHT TURNS FROM EASTBOUND 147TH STREET ONTO KEDZIE AVE. RESTRICTION SHALL NOT LAST LONGER THAN 14 CALENDAR DAYS.

CONSTRUCT TEMPORARY PAVEMENT NEEDED FOR STAGE 1C.

DIXIE HWY./WESTERN AVE.

SHIFT TRAFFIC ON DIXIE/WESTERN AS SHOWN ON PLANS.

CONSTRUCT SOUTHWEST QUADRANT OF INTERSECTION AND DIXIE/WESTERN SOUTHBOUND LANES.

PRIOR TO THE START OF STAGE 2, PLACE TEMPORARY PAVEMENT AS NEEDED FOR STAGE 2 DURING OFF PEAK HOURS USING STANDARD LANE CLOSURES.

PLACE "DETOUR PLAN C" SIGNING.

RESTRICT TRUCK RIGHT TURNS FROM EB 147TH STREET ONTO DIXIE HIGHWAY. RESTRICTION SHALL NOT LAST LONGER THAN 14 CALENDAR DAYS.

STAGE 1C

KEDZIE AVENUE

SHIFT TRAFFIC ON KEDZIE AVENUE TO OPEN 2 LANES IN EACH DIRECTION.

PRIOR TO THE START OF STAGE 2, PLACE TEMPORARY PAVEMENT AS NEEDED FOR STAGE 2 DURING OFF PEAK HOURS USING STANDARD LANE CLOSURES.

STAGE 2

147TH STREET

SHIFT TRAFFIC AS SHOWN ON PLANS.

CONSTRUCT REMAINDER OF STORM SEWER APPURTENANCES AND LATERALS.

CONSTRUCT NEW WESTBOUND LANES.

CONSTRUCT REMAINDER OF LOCAL STREET INTERSECTIONS USING STAGE CONSTRUCTION.

CONSTRUCT PERMENANT LIGHTING WHERE POSSIBLE.

INSTALL TRAFFIC CONTROL AND PAVEMENT MARKING FOR NEXT STAGE.

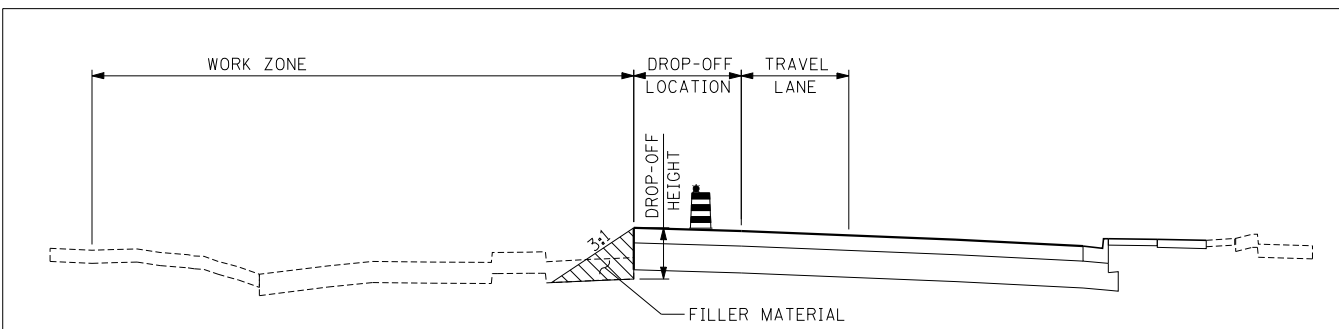
KEDZIE AVENUE

SHIFT TRAFFIC AS SHOWN ON THE PLANS.

PLACE "DETOUR PLAN D" SIGNING.

RESTRICT TRUCK RIGHT TURNS FROM WESTBOUND 147TH STREET ONTO KEDZIE AVENUE. RESTRICTION SHALL NOT LAST LONGER THAN 14 CALENDAR DAYS.

CONSTRUCTION STAGING NOTES CONTINUED ON NEXT SHEET



DROP-OFF PROTECTION DETAIL

- WHEN DROP-OFF LOCATION IS ≤ 3FT, AND DROP-OFF HEIGHT IS ≥ 18", CONTRACTOR MUST PROVIDE A 3:1 SLOPE AT THE DROP-OFF TO BE MAINTAINED AT ALL TIMES.

- WHEN DROP-OFF LOCATION IS > 3FT, AND DROP-OFF HEIGHT IS > 24", CONTRACTOR MUST PROVIDE A 3:1 SLOPE AT THE DROP-OFF TO BE MAINTAINED AT ALL TIMES.

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JPM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - JPM	REVISED -		MAINTENANCE OF TRAFFIC - GENERAL & CONSTRUCTION STAGING NOTES	XX	(0405-1 & 0506-2) R-1	COOK	577	91			
	PLOT DATE =	CHECKED - DAJ	REVISED -		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	CONTRACT NO. 60M57				
	DATE - 5/23/2012	REVISED -			FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT					

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CONSTRUCTION STAGING NOTES (CONTINUED)

DIXIE HWY./WESTERN AVE.
 CONSTRUCT SOUTHBOUND LANES ON DIXIE/WESTERN FROM STA. 5998+11 TO STA. 6027+50.
 CONSTRUCT PERMANENT LIGHTING.
 PLACE "DETOUR PLAN E" SIGNING.

RESTRICT TRUCK RIGHT TURNS ONTO 147TH STREET FROM WESTERN AVENUE TO CONSTRUCT NW QUADRANT OF INTERSECTION. RESTRICTION SHALL NOT LAST LONGER THAN 14 CALENDAR DAYS.

INSTALL TRAFFIC CONTROL FOR STAGE 2A.

PRIOR TO THE START OF STAGE 2A, PLACE TEMPORARY PAVEMENT AS NEEDED FOR STAGE 2A DURING OFF PEAK HOURS USING STANDARD LANE CLOSURES.

I-57 RAMP
 CONSTRUCT RAMP F EAST SIDE SECTION OF PAVEMENT.

CONSTRUCT RAMP K RIGHT LANE AND RIGHT TURN LANE.

CONSTRUCT RAMP E LEFT TURN LANES.

SHIFT TRAFFIC ON RAMP J AS SHOWN ON PLANS.

STAGE 2A
KEDZIE AVENUE

SHIFT TRAFFIC AS SHOWN ON PLANS.

CONSTRUCT SOUTHBOUND LEFT TURN LANE.

DIXIE HWY./WESTERN AVE.

REMOVE TRUCK TURN RESTRICTION.

CONSTRUCT SOUTHBOUND LANES ON DIXIE/WESTERN FROM STA. 5998+11 TO STA. 6027+50.

I-57 RAMP
 SHIFT TRAFFIC ON 147TH STREET IN VICINITY OF THE RAMP.

CONSTRUCT RAMP K WEST HALF OF LANE AND PARTS OF 147TH STREET WESTBOUND LANES AS SHOWN ON PLANS.

SHIFT TRAFFIC ON RAMP E TO CONSTRUCT PARTS OF 147TH STREET WESTBOUND LANES AS SHOWN ON PLANS.

PLACE "DETOUR PLAN H" SIGNING.

RESTRICT LEFT TURNS ONTO NORTHBOUND I-57 FROM 147TH STREET. RESTRICTION CAN NOT LAST LONGER THAN ONE WEEK.

STAGE 2B
KEDZIE AVENUE

CONSTRUCT NORTHWEST QUADRANT OF INTERSECTION AND SET UP TRAFFIC TO BUILD NEW SOUTHBOUND LANES IN SUBSEQUENT STAGES.

PLACE "DETOUR PLAN F" SIGNING.

RESTRICT RIGHT TRUCK TURNS ONTO 147TH STREET FROM KEDZIE AVE. RESTRICTION SHALL NOT LAST LONGER THAN 14 CALENDAR DAYS.

PRIOR TO THE START OF STAGE 2C, PLACE TEMPORARY PAVEMENT AS NEEDED FOR STAGE 2C DURING OFF PEAK HOURS USING STANDARD LANE CLOSURES.

DIXIE HWY./WESTERN AVE.
 SHIFT TRAFFIC ONTO WEST SIDE OF ROAD.

PLACE "DETOUR PLAN G" SIGNING.

CONSTRUCT NORTHEAST QUADRANT OF INTERSECTION. RESTRICT RIGHT TRUCK TURNS ONTO DIXIE/WESTERN FROM WESTBOUND 147TH STREET. RESTRICTION SHALL NOT LAST LONGER THAN 14 CALENDAR DAYS.

I-57 RAMP
 OPEN LEFT TURN LANE ONTO NORTHBOUND I-57.

STAGE 2C
KEDZIE AVENUE

SHIFT TRAFFIC ON KEDZIE AVENUE TO OPEN 2 LANES IN EACH DIRECTION.

DIXIE HWY./WESTERN AVE.
 SHIFT TRAFFIC ON 147TH STREET USING STAGE 3 CONFIGURATION, EXCEPT CLOSE THE EASTBOUND OUTER LANE AS SHOWN ON STAGE 2C PLAN SHEETS. SHIFT TRAFFIC EAST OF DIXIE/WESTERN AS SHOWN ON STAGE 2C PLAN SHEETS. TRAFFIC ON DIXIE/WESTERN WILL REMAIN IN STAGE 2B CONFIGURATION.

STAGE 3A
KEDZIE AVENUE

CONSTRUCT KEDZIE AVENUE SOUTHBOUND PAVEMENT AT CENTER OF THE INTERSECTION. SHIFT TRAFFIC ON 147TH STREET USING STAGE 3 CONFIGURATION, EXCEPT USE STAGE 3A CONFIGURATION AT THE INTERSECTION WITH KEDZIE.

SHIFT TRAFFIC TO THE EAST SIDE OF STREET ON KEDZIE AVENUE.

STAGE 3B
KEDZIE AVENUE

CONSTRUCT KEDZIE AVENUE NORTHBOUND PAVEMENT AT CENTER OF THE INTERSECTION.

TRAFFIC ON 147TH STREET SHALL REMAIN IN STAGE 3 CONFIGURATION.










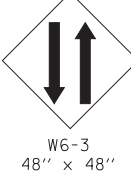


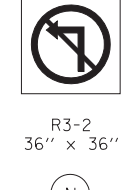

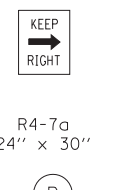
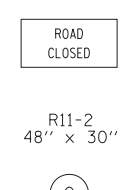
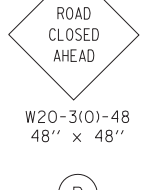


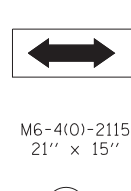
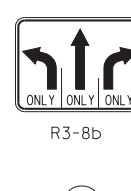



SHIFT TRAFFIC TO THE WEST SIDE OF STREET ON KEDZIE AVENUE.

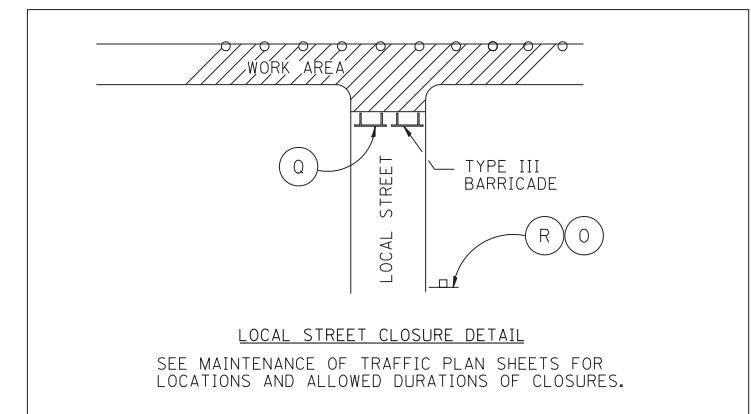
STAGE 3
147TH STREET, KEDZIE AVENUE, DIXIE HWY./WESTERN AVE.
 CONSTRUCT MEDIAN, CENTER TURN LANE AND ISLANDS ON KEDZIE AVENUE, 147TH STREET AND DIXIE/WESTERN.

USE DAY CLOSURE STANDARDS AS NEEDED TO COMPLETE OTHER MINOR ITEMS AND CLEANUP.
 INSTALL LANDSCAPING.
 INSTALL PERMANENT SIGNING.
 REMOVE ALL TEMPORARY SIGNING AND TRAFFIC STAGING MARKINGS.
 INSTALL PERMANENT PAVEMENT MARKINGS.
 COMPLETE LIGHTING INSTALLATION, REMOVE TEMPORARY LIGHTING.
 TURN ON NEW TRAFFIC SIGNALS AND REMOVE TEMPORARY SIGNALS.
 COMPLETE RESTORATION.

SIGNING LEGEND

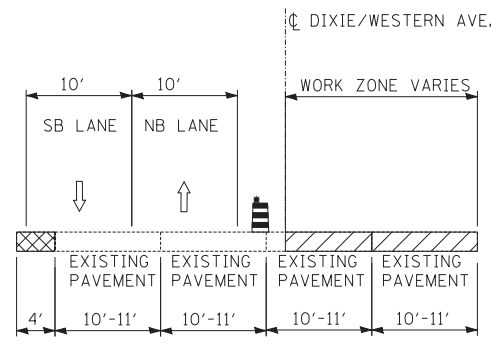


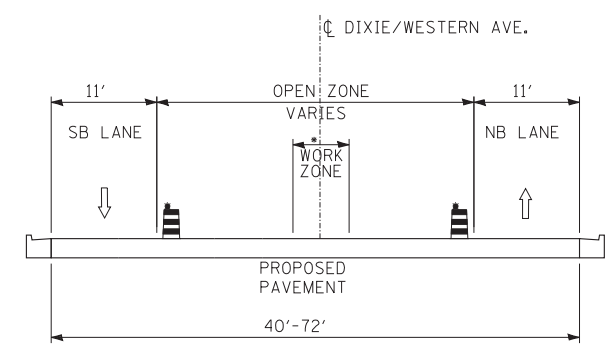


- NOTES:
- SIGNS (N) (H) (M) (G) (P) (Y) (Z) (AA) (AB) ARE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (SPECIAL)
 - THE CONTRACTOR SHALL RELOCATE EXISTING SIGN TO TEMPORARY LOCATIONS AS SHOWN IN THE MAINTENANCE OF TRAFFIC PLANS. WORK SHALL COMPLY WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.

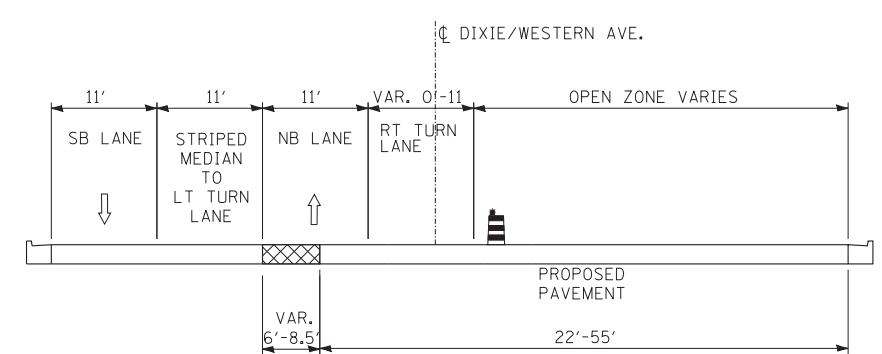
TYLIN INTERNATIONAL USER NAME = PLOT SCALE = PLOT DATE =	DESIGNED - JPM DRAWN - JPM CHECKED - DAJ DATE - 5/23/2012	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	147TH STREET PROJECT MAINTENANCE OF TRAFFIC - STAGING NOTES CONT. AND SIGNING			F.A.I. RTE. XX SECTION (0405-1 & 0506-2) R-1 COUNTY COOK CONTRACT NO. 60M57	TOTAL SHEETS 577 SHEET NO. 92
				SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



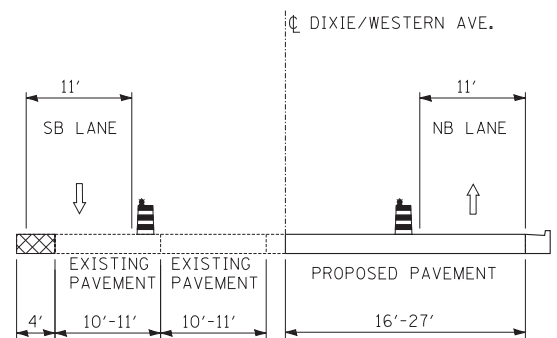
STAGE 1: DIXIE/WESTERN: STA. 5889+11 TO STA. 6006+00
AD - AD



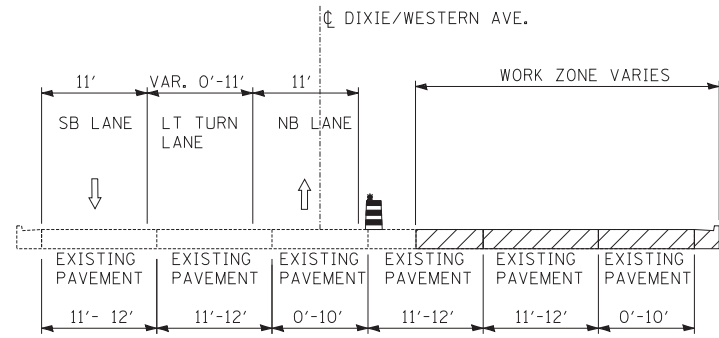
STAGE 3: DIXIE/WESTERN: STA. 5889+11 TO STA. 6005+66
OD - OD
•WORK ZONE VARIES IN WIDTH FROM 8.3' - 12' BETWEEN STA. 5998+11 TO STA. 5998+85



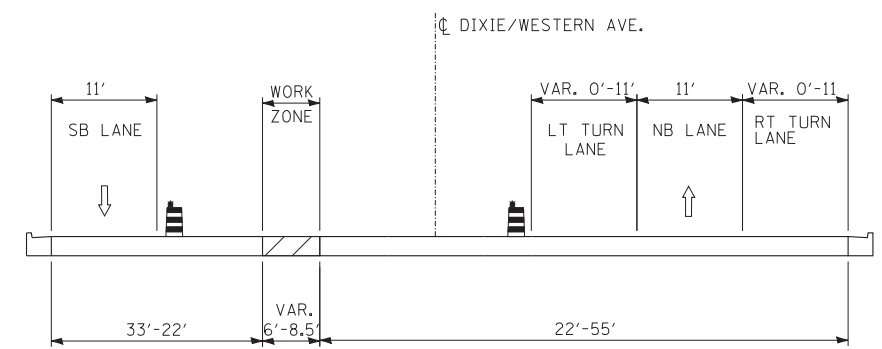
STAGES 2B & 2C: DIXIE/WESTERN: STA. 6005+66 TO STA. 6010+60
MD - MD



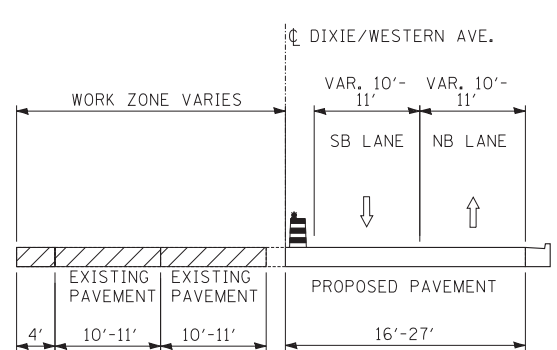
STAGE 1A: DIXIE/WESTERN: STA. 5889+11 TO STA. 6005+66
ED - ED



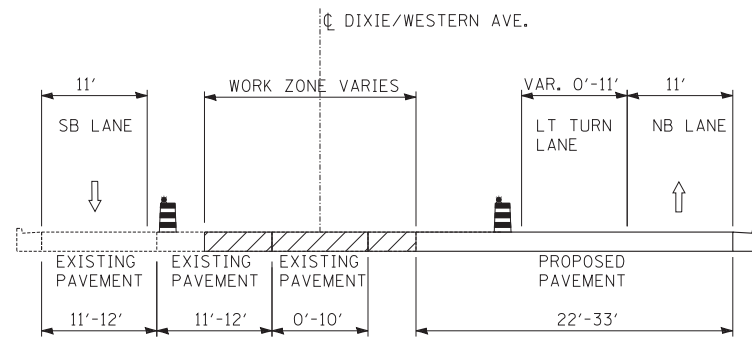
STAGE 1: DIXIE/WESTERN: STA. 6006+00 TO STA. 6011+27
BD - BD



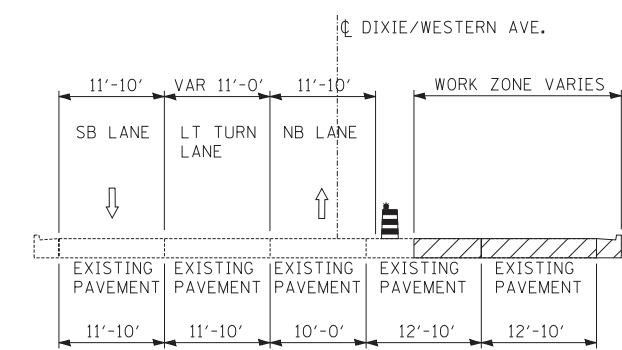
STAGE 3: DIXIE/WESTERN: STA. 6005+66 TO STA. 6011+35
PD - PD



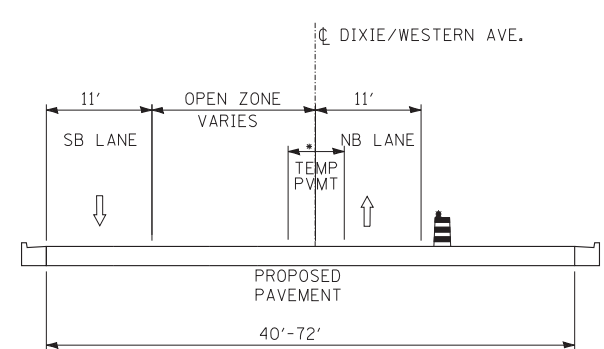
STAGES 1B, 2, & 2A: DIXIE/WESTERN: STA. 5889+11 TO STA. 6005+66
HD - HD



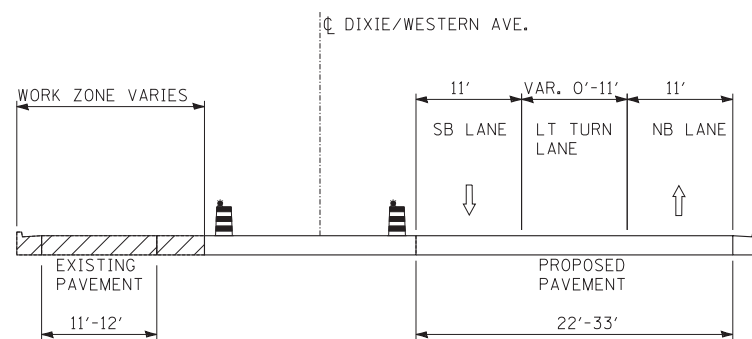
STAGE 1A: DIXIE/WESTERN: STA. 6005+66 TO STA. 6011+50
FD - FD



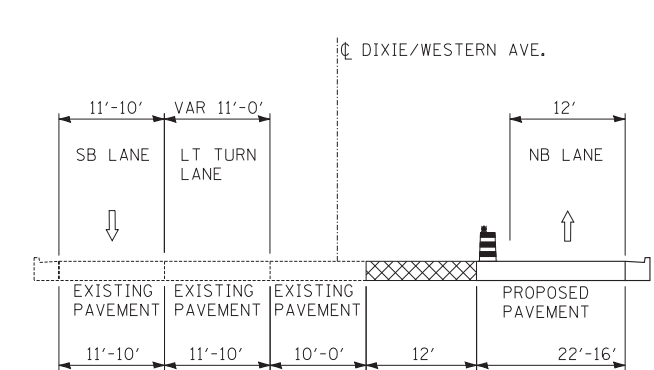
STAGE 1: DIXIE/WESTERN: STA. 6013+63 TO STA. 6027+50
CD - CD



STAGES 2B & 2C: DIXIE/WESTERN: STA. 5889+11 TO STA. 6005+66
LD - LD
•TEMPORARY PAVEMENT 6' WIDE BETWEEN STA. 5998+11 TO STA. 5998+85



STAGES 1B, 2 & 2A: DIXIE/WESTERN: STA. 6005+66 TO STA. 6011+50
ID - ID



STAGE 1A: DIXIE/WESTERN: STA. 6013+63 TO STA. 6027+50
GD - GD

- LEGEND**
- TRAFFIC MOVEMENT
 - TEMPORARY CONCRETE BARRIER (WITH MONO-DIRECTIONAL PRISMATIC REFLECTORS ON TOP AND SIDE FACING TRAFFIC)
 - WORK ZONE
 - TEMPORARY PAVEMENT
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

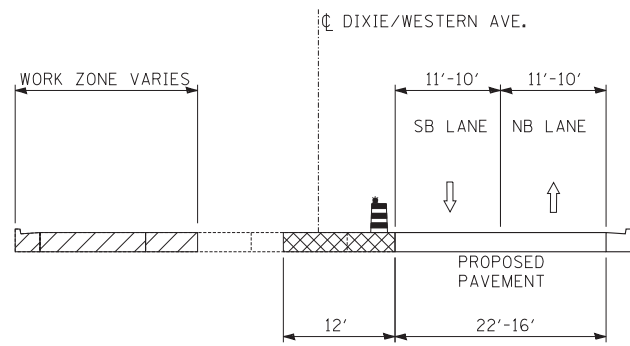
TYL INTERNATIONAL

USER NAME =	DESIGNED - JDU	REVISED -
PLOT SCALE =	DRAWN - JDU	REVISED -
PLOT DATE =	CHECKED - SES	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

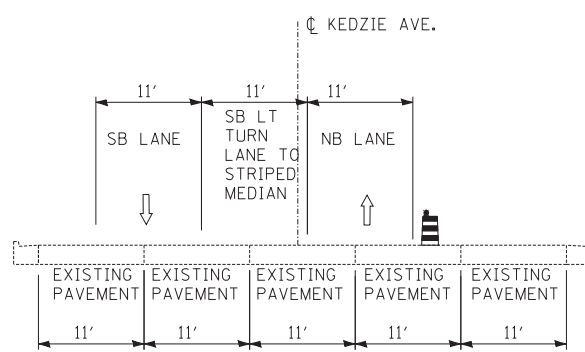
147TH STREET PROJECT MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS	
SCALE: N.T.S.	SHEET NO. 1 OF 8 SHEETS
STA.	TO STA.

F.A.I. R.E. XX	SECTION (0405-1 & 0506-2) R-1	COUNTY COOK	TOTAL SHEETS 577	SHEET NO. 93
CONTRACT NO. 60M57			ILLINOIS FED. AID PROJECT	

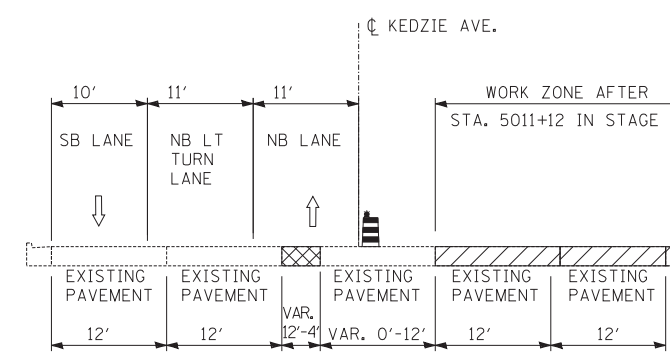


STAGES 1B & 2A: DIXIE/WESTERN: STA. 6014+17 TO STA. 6027+50
JD - JD

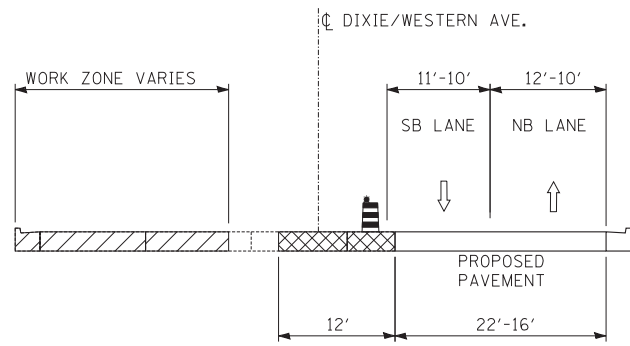
• SB LT LANE VARIES FROM 11' - 0' BETWEEN STA. 6012+60 TO STA. 6014+17



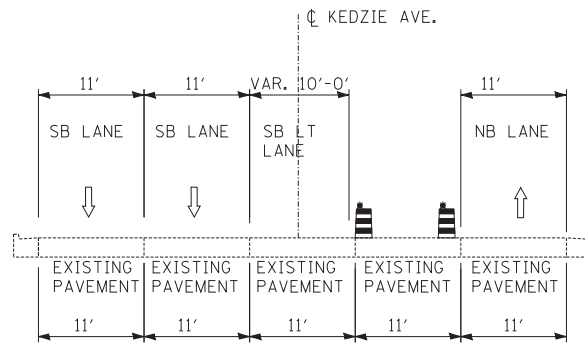
STAGES 1, 2 & 3B: KEDZIE AVE: STA. 5005+75 TO STA. 5007+81
AK - AK



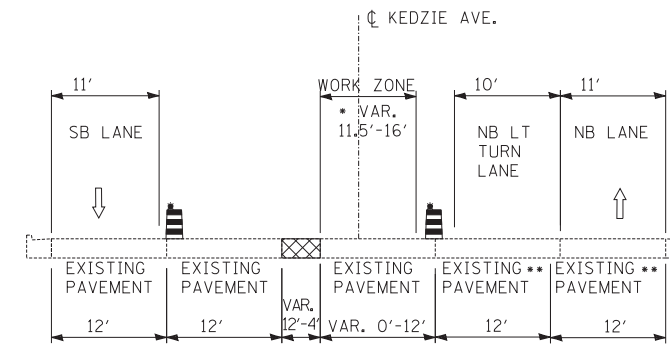
STAGES 1, 2 & 3B: KEDZIE AVE: STA. 5007+81 TO STA. 5011+62
BK - BK



STAGE 2: DIXIE/WESTERN: STA. 6014+17 TO STA. 6027+50
KD - KD

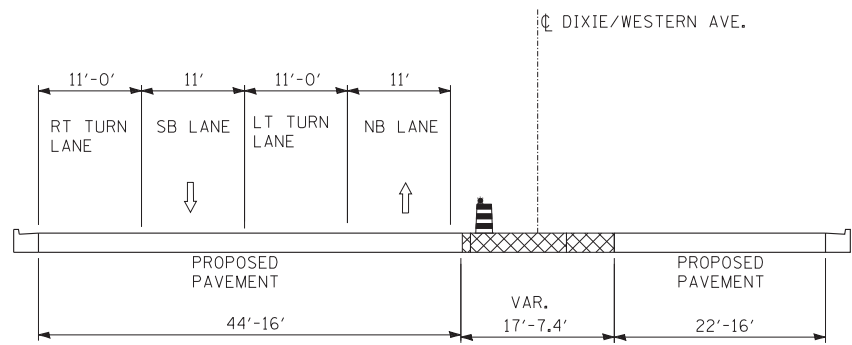


STAGE 1A: KEDZIE AVE: STA. 5005+75 TO STA. 5007+81
DK - DK

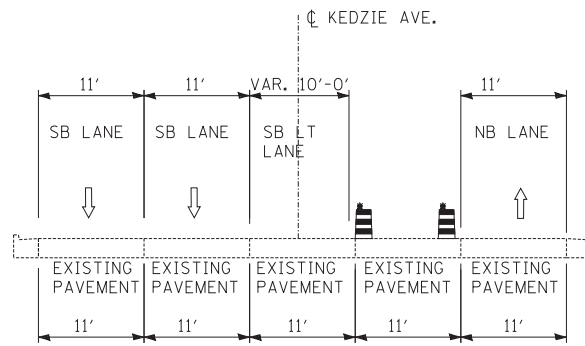


STAGE 1A: KEDZIE AVE: STA. 5007+81 TO STA. 5011+62
EK - EK

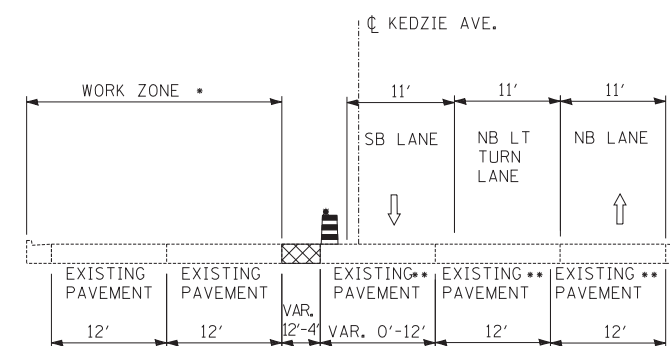
• WORK ZONE FROM STA. 5011+12 TO STA. 5012+08 ONLY.
•• PROPOSED PAVEMENT AFTER STA. 5011+12



STAGES 2B & 2C: DIXIE/WESTERN: STA. 6013+03 TO STA. 6027+50
ND - ND

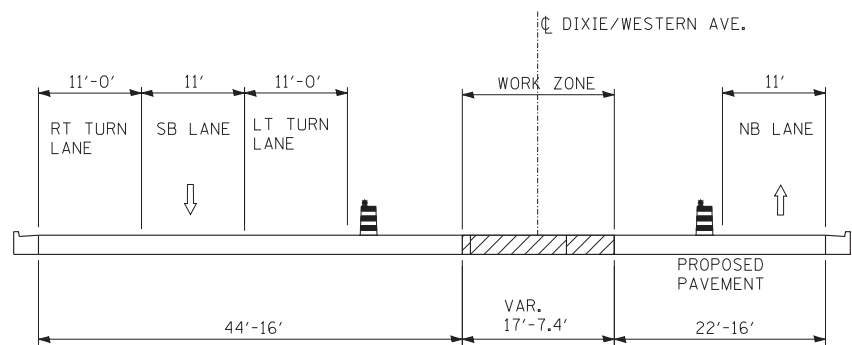


STAGES 1B, 2B, 3 & 3A: KEDZIE AVE: STA. 5005+75 TO STA. 5007+81
GK - GK

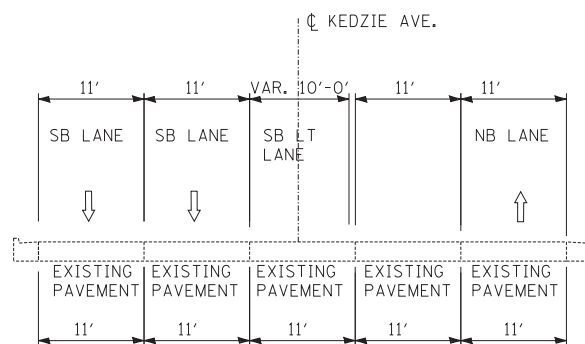


STAGE 1B: KEDZIE AVE: STA. 5007+81 TO STA. 5011+62
HK - HK

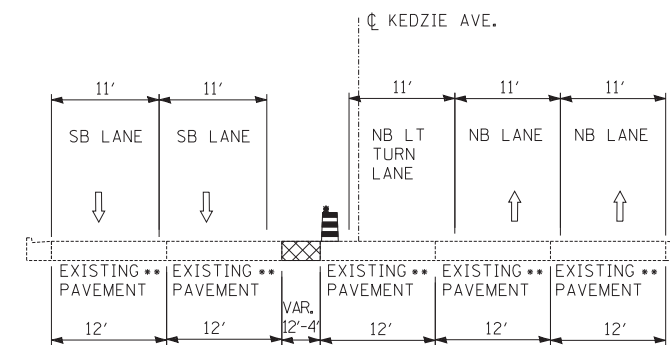
• WORK ZONE FROM STA. 5011+12 TO STA. 5012+08 ONLY
•• PROPOSED PAVEMENT AFTER STA. 5011+12



STAGE 3: DIXIE/WESTERN: STA. 6013+03 TO STA. 6027+50
QD - QD



STAGES 1C & 2C: KEDZIE AVE: STA. 5005+75 TO STA. 5007+81
JK - JK



STAGES 1C & 2C: KEDZIE AVE: STA. 5007+81 TO STA. 5011+62
KK - KK

•• PROPOSED PAVEMENT AFTER STA. 5011+12

LEGEND

- TRAFFIC MOVEMENT
- TEMPORARY CONCRETE BARRIER (WITH MONO-DIRECTIONAL PRISMATIC REFLECTORS ON TOP AND SIDE FACING TRAFFIC)
- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDU	REVISED -
DRAWN - JDU	REVISED -	
PLOT SCALE =	CHECKED - SES	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

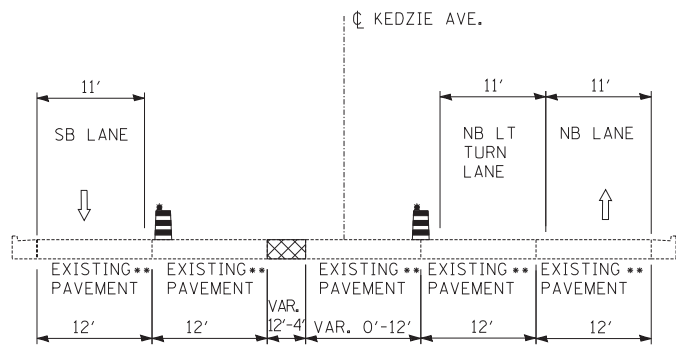
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS**

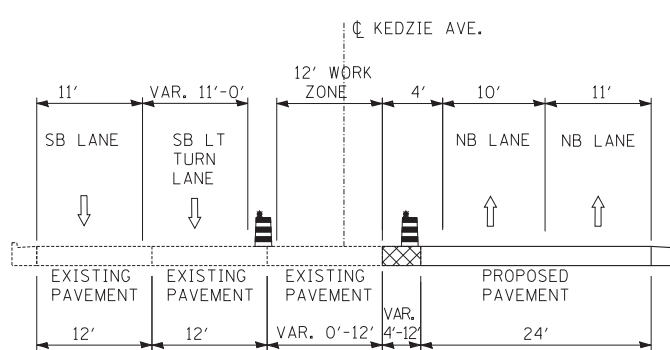
SCALE: N.T.S. SHEET NO. 2 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	94
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	

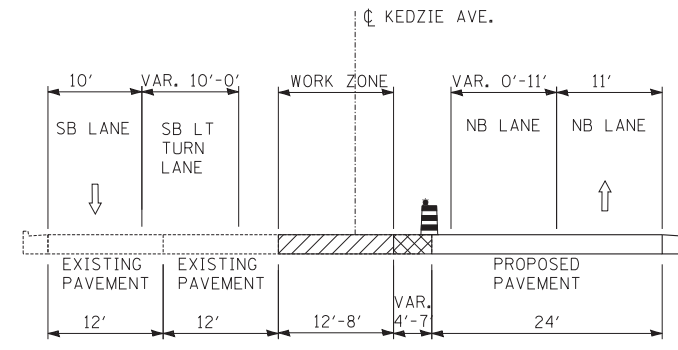
p:\602540(57-294)\road\p10_147th\P10_MOT_TYP_SHT03.dgn 9:00:56 AM



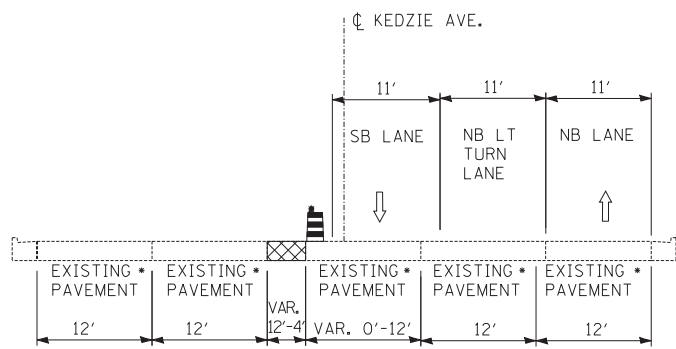
STAGE 2A: KEDZIE AVE: STA. 5007+81 TO STA. 5011+62
 NK - NK
 ** PROPOSED PAVEMENT AFTER STA. 5011+12



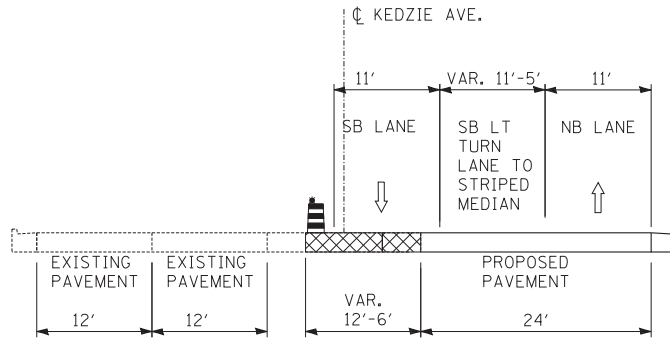
STAGE 1A: KEDZIE AVE: STA. 5013+00 TO STA. 5019+13
 FK - FK



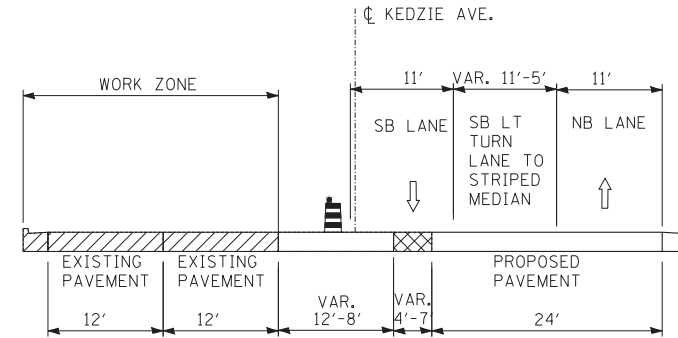
STAGE 2A: KEDZIE AVE: STA. 5012+77 TO STA. 5019+13
 OK - OK



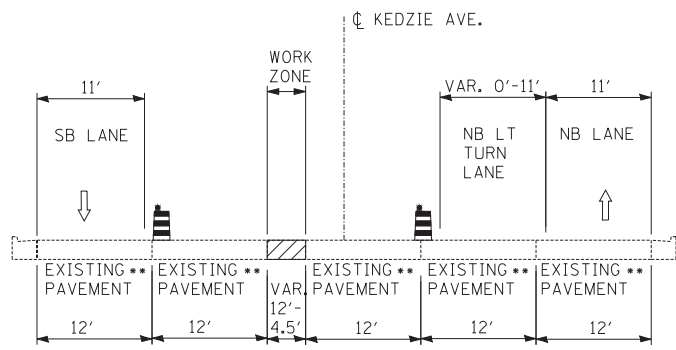
STAGES 2B & 3A: KEDZIE AVE: STA. 5007+81 TO STA. 5011+62
 PK - PK
 • PROPOSED PAVEMENT AFTER STA. 5011+12



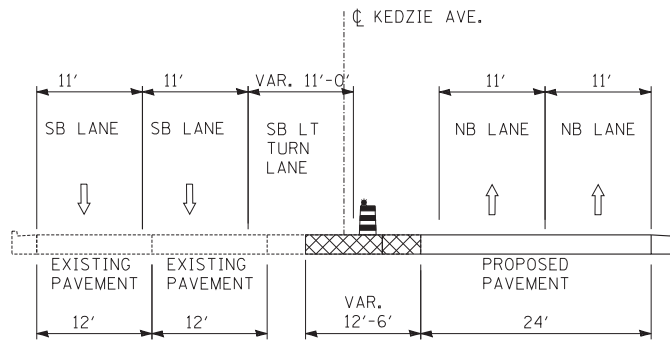
STAGE 1B: KEDZIE AVE: STA. 5013+00 TO STA. 5019+13
 IK - IK



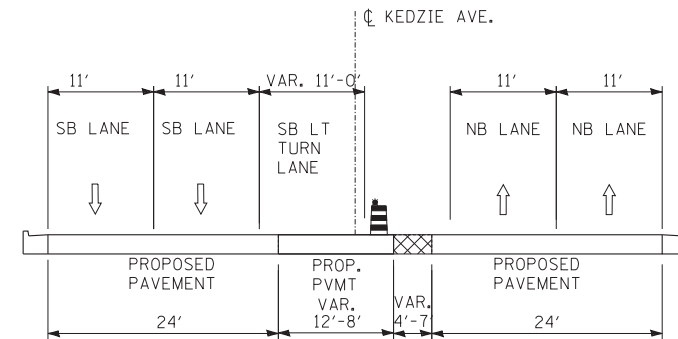
STAGE 2B: KEDZIE AVE: STA. 5012+13 TO STA. 5019+13
 QK - QK



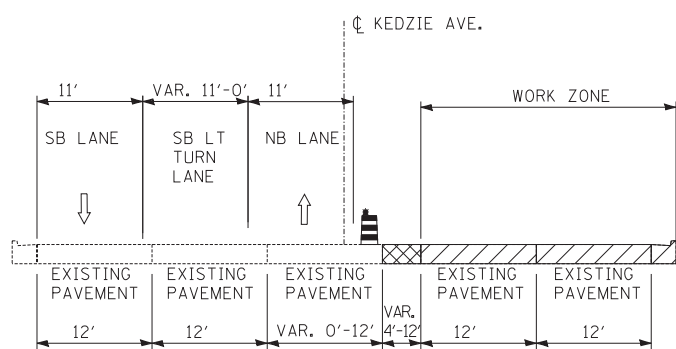
STAGE 3: KEDZIE AVE: STA. 5007+81 TO STA. 5011+42
 SK - SK
 ** PROPOSED PAVEMENT AFTER STA. 5011+12



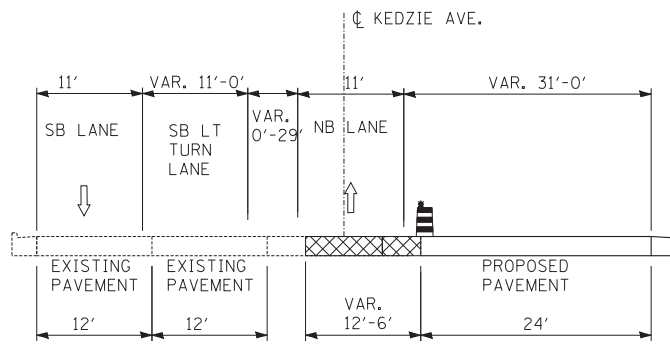
STAGE 1C: KEDZIE AVE: STA. 5013+00 TO STA. 5019+13
 LK - LK



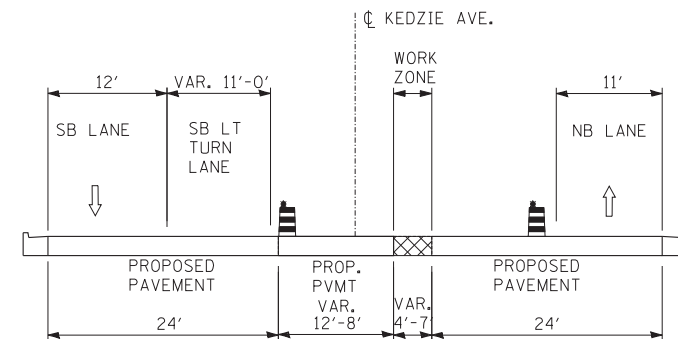
STAGE 2C: KEDZIE AVE: STA. 5012+62 TO STA. 5019+13
 RK - RK



STAGE 1: KEDZIE AVE: STA. 5012+82 TO STA. 5019+13
 CK - CK



STAGES 2 & 3B: KEDZIE AVE: STA. 5012+77 TO STA. 5015+57
 MK - MK



STAGE 3: KEDZIE AVE: STA. 5012+62 TO STA. 5019+13
 TK - TK

- LEGEND**
- TRAFFIC MOVEMENT
 - TEMPORARY CONCRETE BARRIER (WITH MONO-DIRECTIONAL PRISMATIC REFLECTORS ON TOP AND SIDE FACING TRAFFIC)
 - WORK ZONE
 - TEMPORARY PAVEMENT
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

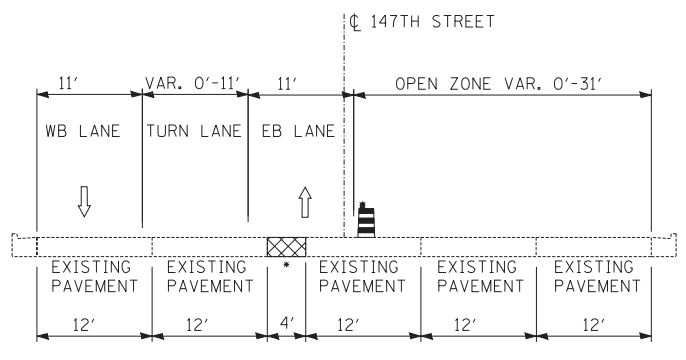
TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDU	REVISED -
PLOT SCALE =	DRAWN - JDU	REVISED -
PLOT DATE =	CHECKED - SES	REVISED -
	DATE - 5/23/2012	REVISED -

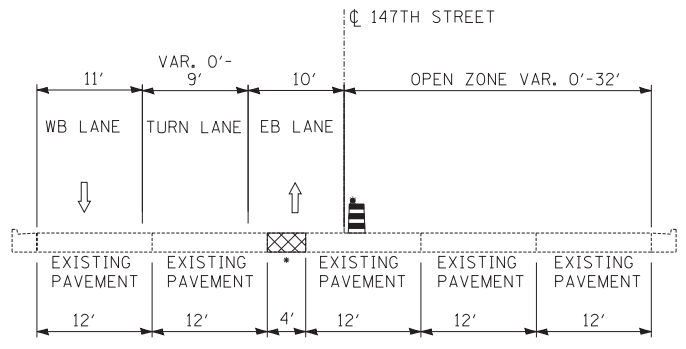
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS		XX	(0405-1 & 0506-2) R-1	COOK	577	95
SCALE: N.T.S.	SHEET NO. 3 OF 8 SHEETS	STA.	TO STA.		CONTRACT NO. 60M57	
		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

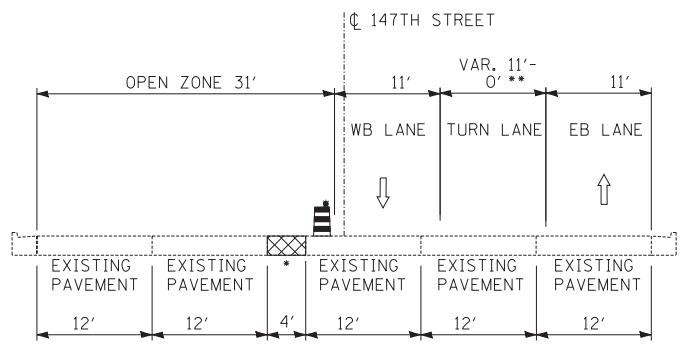
p:\602540(57-294)\road\p10_147th\P10_MOT_TYP_SHT04.dgn 9:00:53 AM



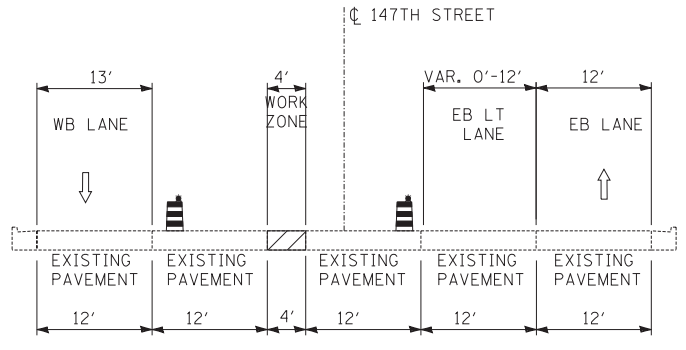
STAGES 1 & 1C: 147TH ST: STA. 1000+00 TO STA. 1006+00
A - A
• TEMPORARY PAVEMENT FROM STA. 1004+21 TO STA. 1006+11



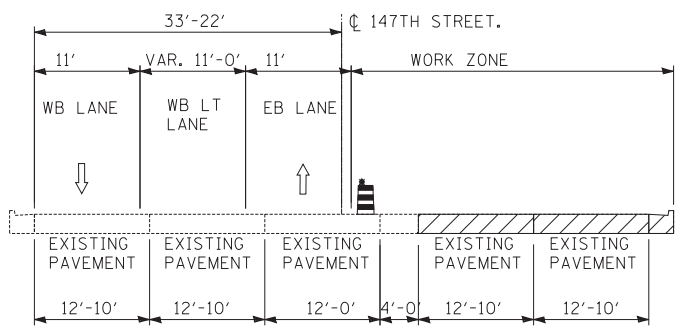
STAGES 1A, 1B: 147TH ST: STA. 1000+00 TO STA. 1006+00
J - J
• TEMPORARY PAVEMENT FROM STA. 1004+21 TO STA. 1006+11



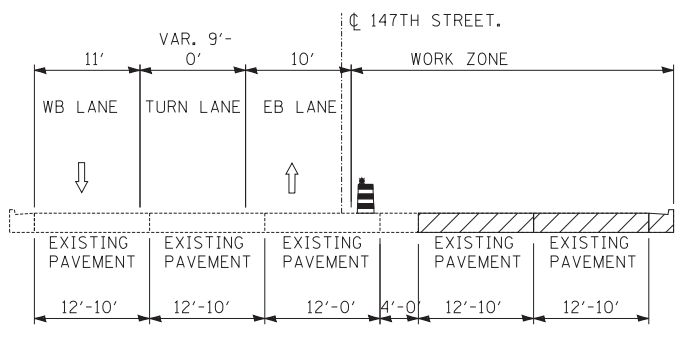
STAGES 2, 2A, 2B & 2C: 147TH ST: STA. 1000+00 TO STA. 1006+00
L - L
• TEMPORARY PAVEMENT FROM STA. 1004+21 TO STA. 1006+11
•• STAGE 2A: TURN LANE VARIES 0'-9' WIDE



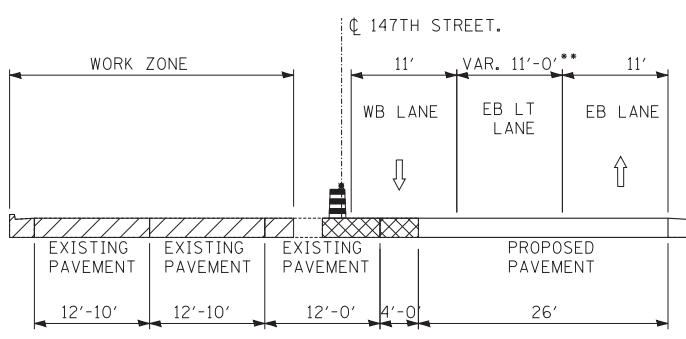
STAGES 3, 3A & 3B: 147TH ST: STA. 1000+00 TO STA. 1006+00
AA - AA



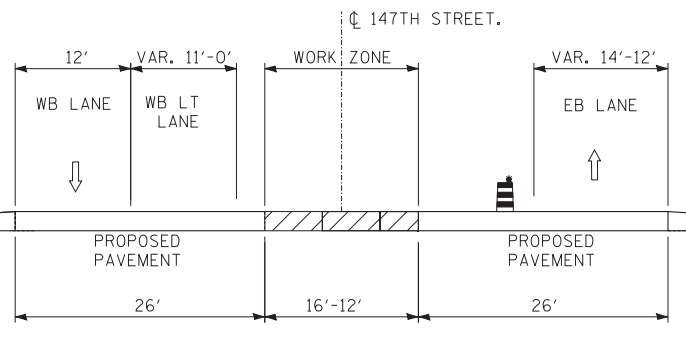
STAGES 1 & 1C: 147TH ST: STA. 1007+00 TO STA. 1013+00
B - B



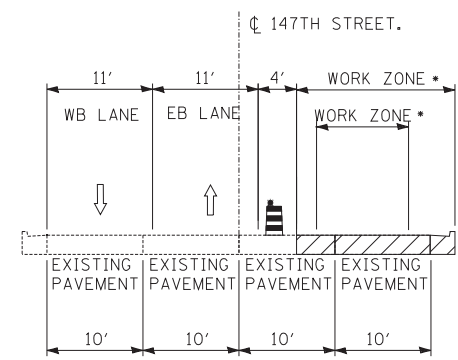
STAGES 1A, 1B: 147TH ST: STA. 1007+00 TO STA. 1013+00
K - K



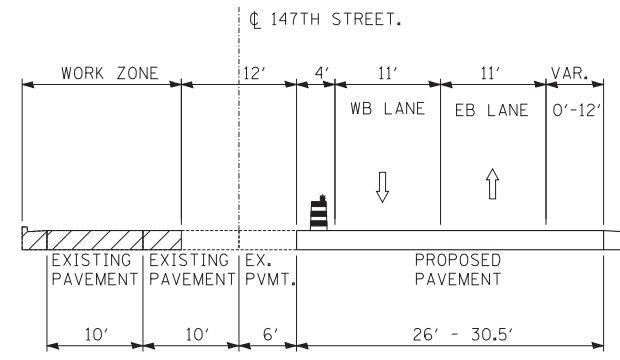
STAGES 2, 2A, 2B & 2C: 147TH ST: STA. 1007+00 TO STA. 1013+00
M - M
•• STAGE 2A: TURN LANE VARIES 9'-0' WIDE



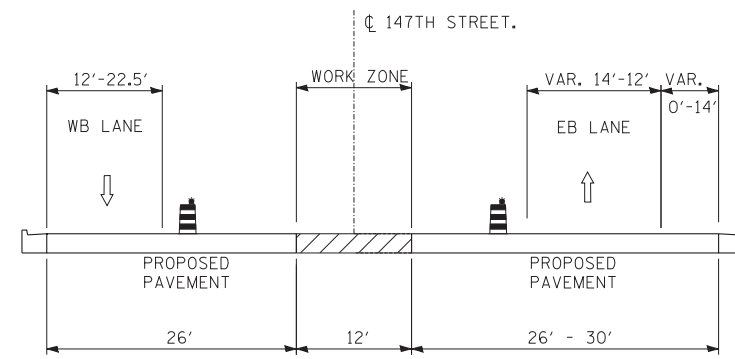
STAGES 3, 3A & 3B: STA. 1007+00 TO STA. 1016+43
BB - BB



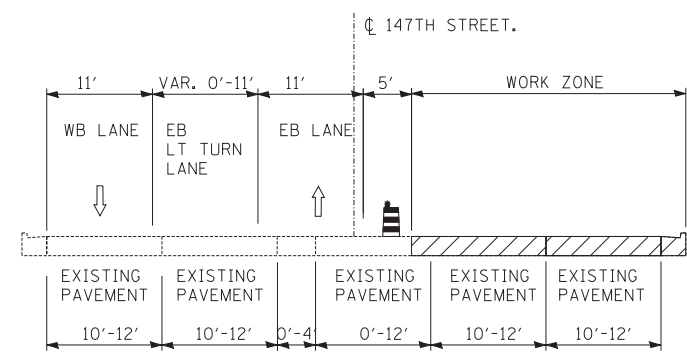
STAGES 1, 1A, 1B & 1C: 147TH ST: STA. 1013+40 TO STA. 1033+00
C - C
• WORK ZONE FROM STA. 1019+75 TO 1030+04 VARIES FROM 7' WIDE TO 9.66' FOR CONSTRUCTION OF THE PROPOSED STORM SEWER ONLY



STAGES 2, 2A, 2B & 2C: 147TH ST: STA. 1013+40 TO STA. 1019+75
N - N



STAGE 3, 3A & 3B: STA. 1016+75 TO STA. 1019+75
CC - CC



STAGES 1, 1A, 1B & 1C: 147TH ST: STA. 1033+60 TO STA. 1036+30
D - D

- LEGEND**
- TRAFFIC MOVEMENT
 - TEMPORARY CONCRETE BARRIER (WITH MONO-DIRECTIONAL PRISMATIC REFLECTORS ON TOP AND SIDE FACING TRAFFIC)
 - WORK ZONE
 - TEMPORARY PAVEMENT
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

TYLIN INTERNATIONAL

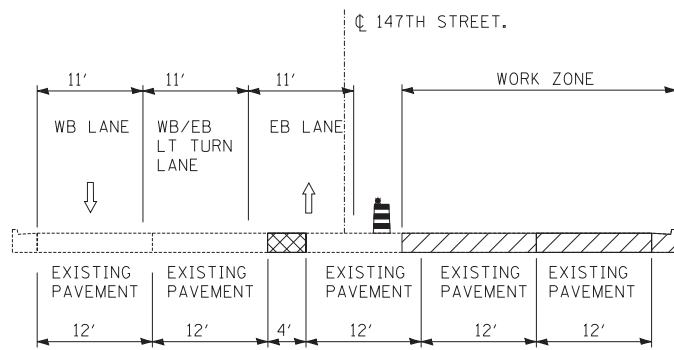
USER NAME =	DESIGNED - JDU	REVISED -
PLOT SCALE =	DRAWN - JDU	REVISED -
PLOT DATE =	CHECKED - SES	REVISED -
	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

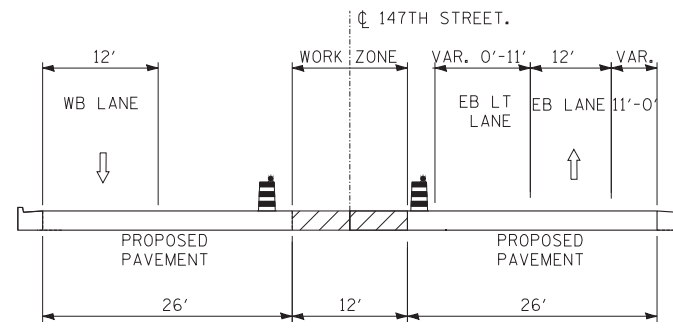
**147TH STREET PROJECT
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS**

SCALE: N.T.S.	SHEET NO. 4 OF 8 SHEETS	STA. TO STA.
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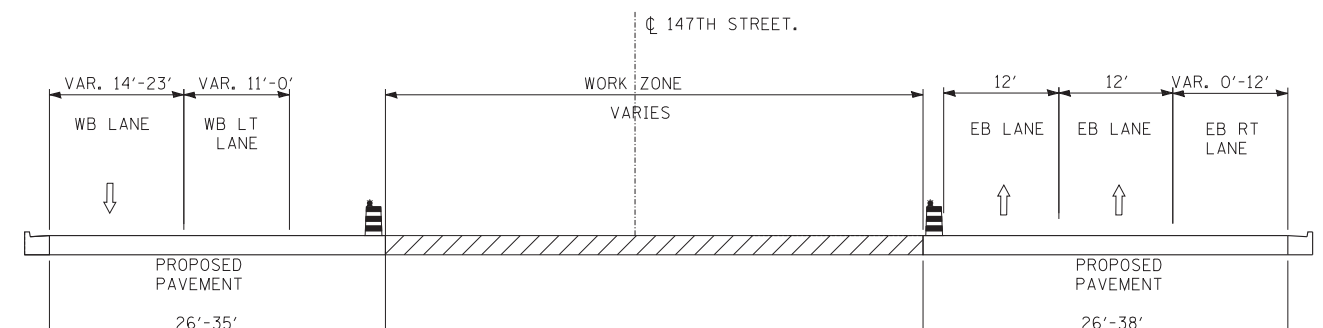
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	96
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	



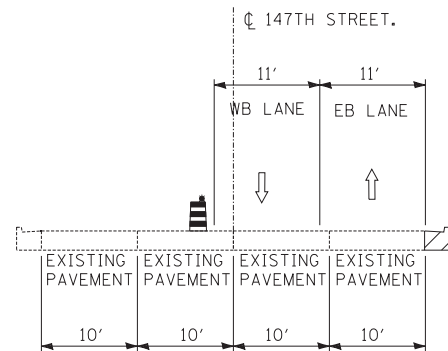
STAGES 1, 1A, 1B, & 1C: 147TH ST: STA. 1036+30 TO STA. 1039+60
E - E



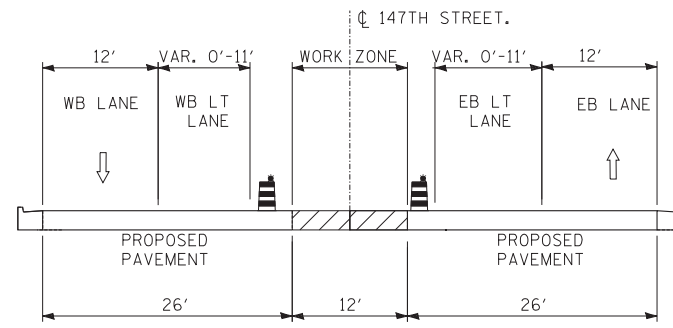
STAGES 3, 3A & 3B: 147TH ST: STA. 1030+04 TO STA. 1036+30
EE - EE



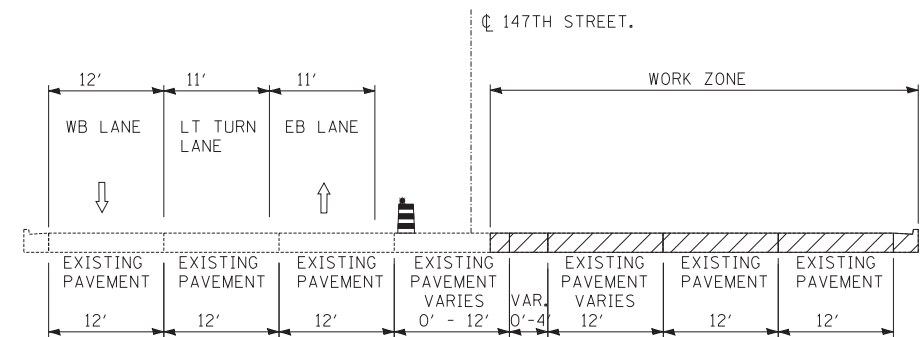
STAGE 3: 147TH ST: STA. 1040+14 TO STA. 1055+65
GG - GG



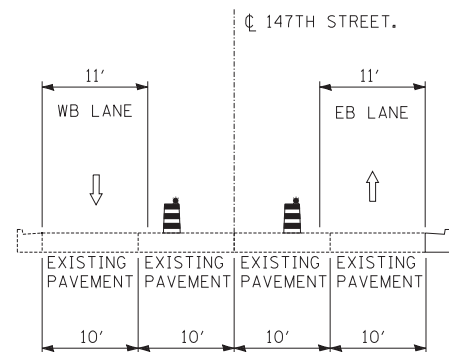
STAGES 2, 2A, 2B & 2C: 147TH ST: STA. 1020+06 TO STA. 1030+04
O - O



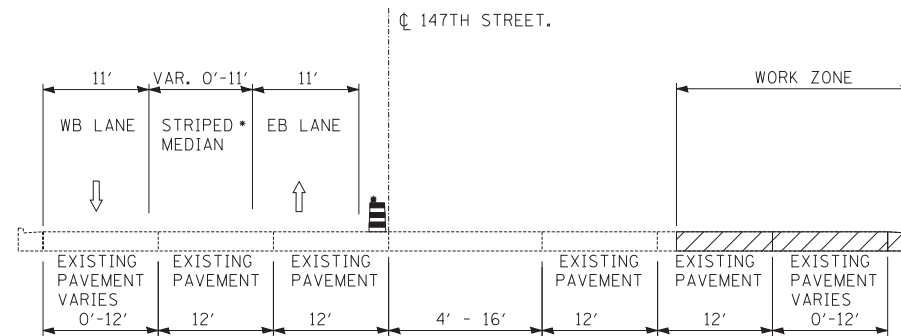
STAGES 3, 3A & 3B: 147TH ST: STA. 1030+04 TO STA. 1036+30
FF - FF



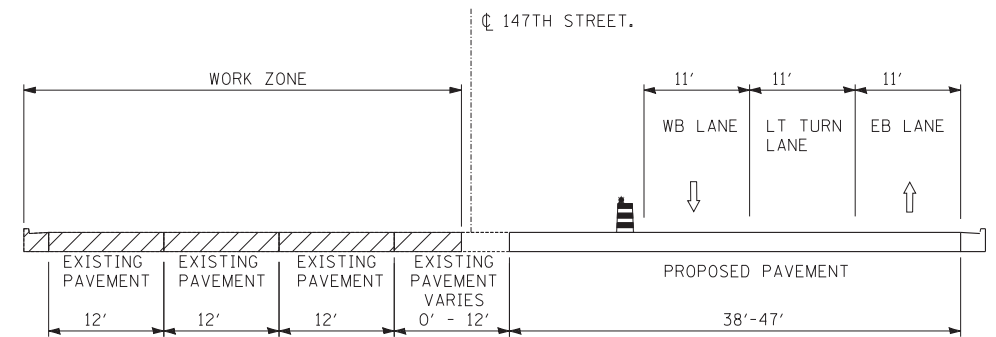
STAGES 1, 1A, 1B & 1C 147TH ST: STA. 1056+50 TO STA. 1062+50
G - G



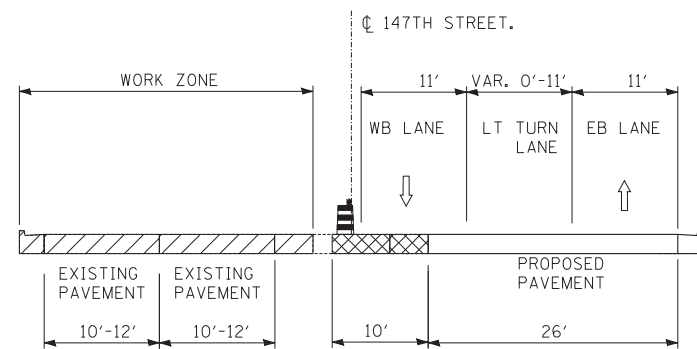
STAGE 3, 3A & 3B: 147TH ST: STA. 1020+06 TO STA. 1030+04
DD - DD



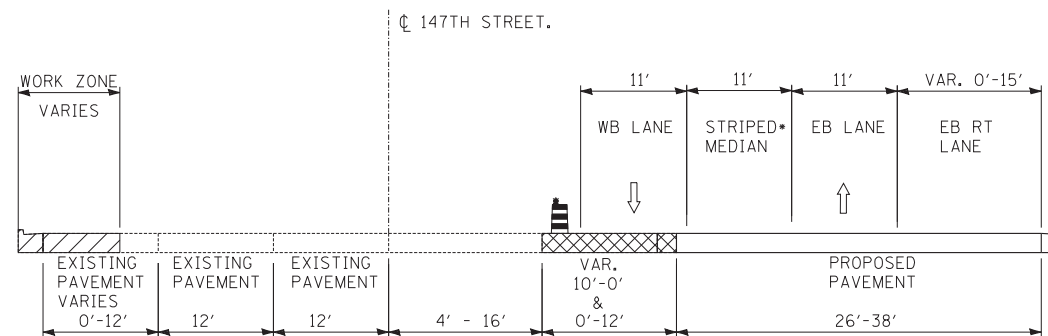
STAGES 1, 1A, 1B & 1C: 147TH ST: STA. 1040+14 TO STA. 1055+65
F - F
• 11' WIDE WB LEFT TURN LANE FROM STA. 1040+14 TO STA. 1043+56



STAGE 2: 147TH ST: STA. 1056+50 TO STA. 1062+50
R - R



STAGES 2, 2A, 2B & 2C: 147TH ST: STA. 1030+04 TO STA. 1039+60
P - P



STAGES 2, 2A, 2B: 147TH ST: STA. 1040+14 TO STA. 1055+65
Q - Q
• 11' WIDE WB LEFT TURN LANE FROM STA. 1040+23 TO STA. 1044+67

- LEGEND**
- TRAFFIC MOVEMENT
 - TEMPORARY CONCRETE BARRIER (WITH MONO-DIRECTIONAL PRISMATIC REFLECTORS ON TOP AND SIDE FACING TRAFFIC)
 - WORK ZONE
 - TEMPORARY PAVEMENT
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

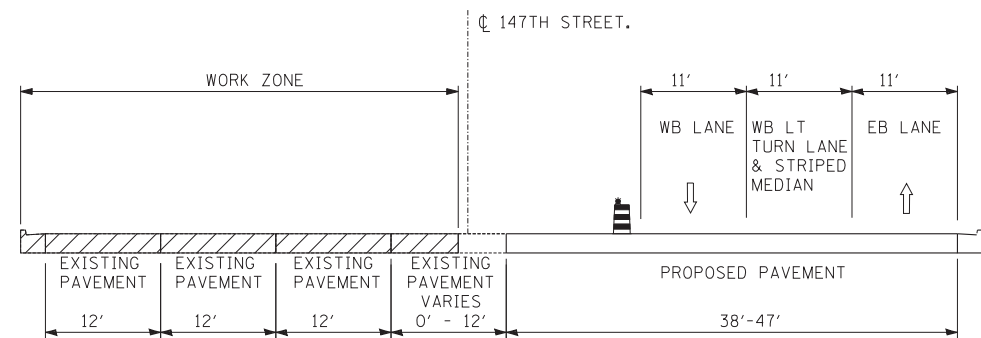
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDU	REVISED -
	PLOT SCALE =	DRAWN - JDU	REVISED -
	PLOT DATE =	CHECKED - SES	REVISED -
		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS**

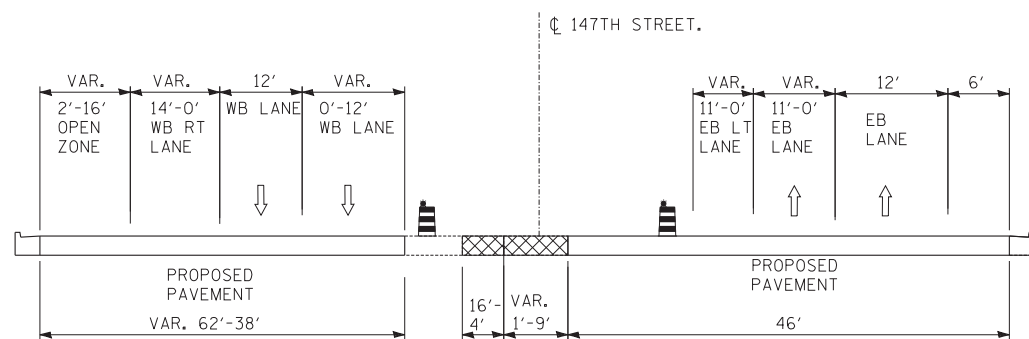
SCALE: N.T.S. SHEET NO. 5 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	97
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



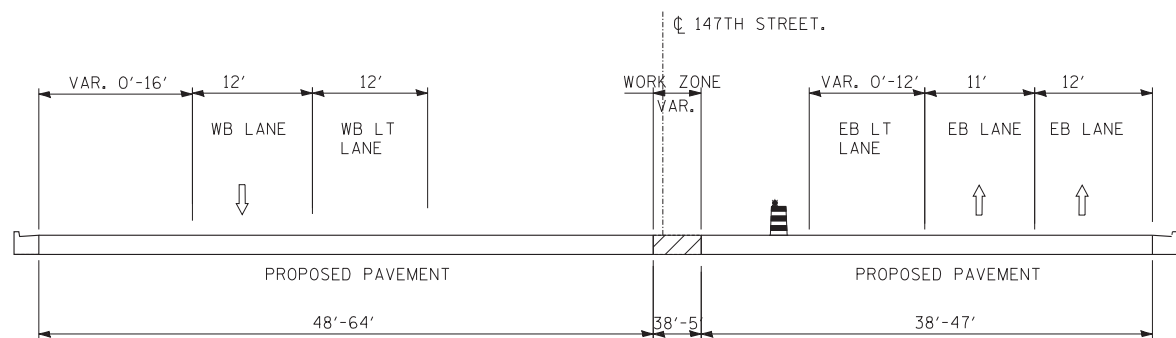
STAGES 2A, 2B & 2C: 147TH ST: STA. 1056+50 TO STA. 1062+50

U - U



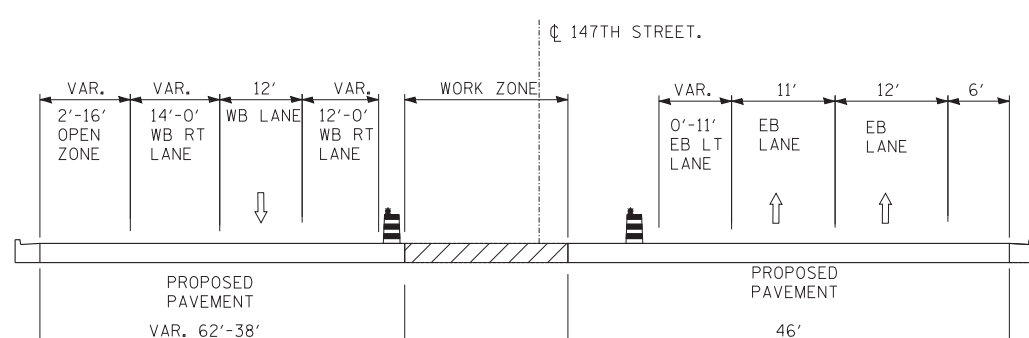
STAGE 2C: 147TH ST: STA. 1062+63 TO STA. 1074+55

X - X



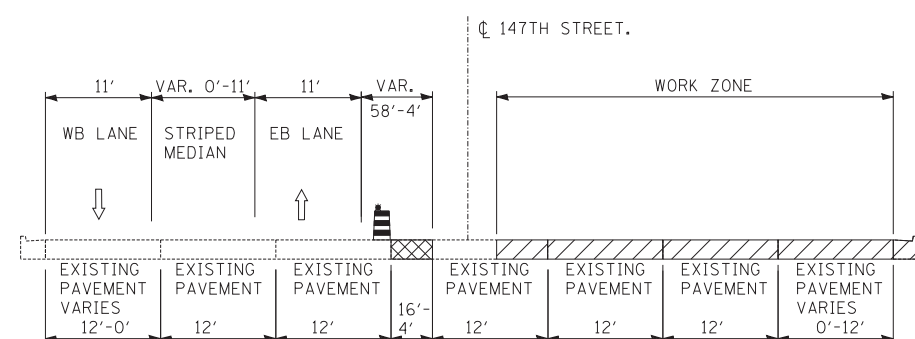
STAGES 3, 3A & 3B: 147TH ST: STA. 1056+50 TO STA. 1062+50

HH - HH



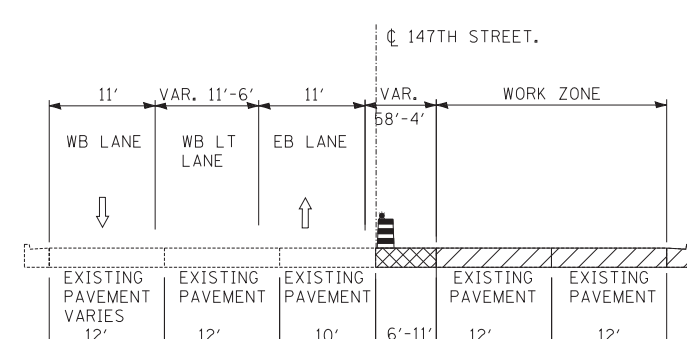
STAGE 3, 3A & 3B: 147TH ST: STA. 1062+63 TO STA. 1074+55

II - II



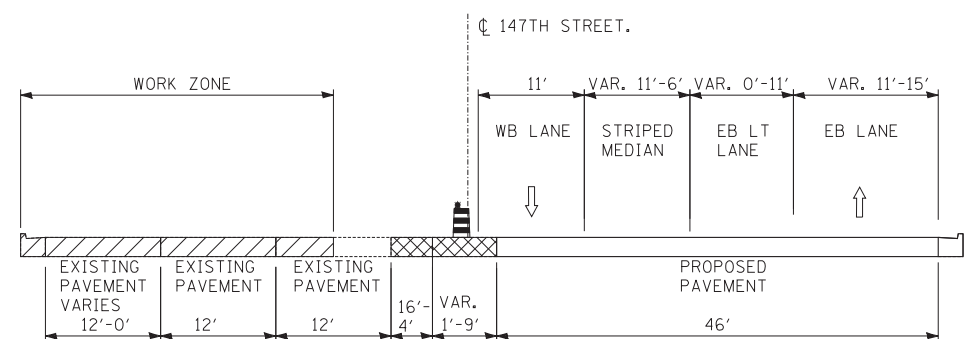
STAGES 1, 1A, 1B & 1C: 147TH ST: STA. 1062+63 TO STA. 1074+55

H - H



STAGES 1, 1A, 1B & 1C: 147TH ST: STA. 1075+50 TO STA. 1079+42

I - I



STAGES 2: 147TH ST: STA. 1062+63 TO STA. 1074+55

S - S

LEGEND

- TRAFFIC MOVEMENT
- TEMPORARY CONCRETE BARRIER (WITH MONO-DIRECTIONAL PRISMATIC REFLECTORS ON TOP AND SIDE FACING TRAFFIC)
- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

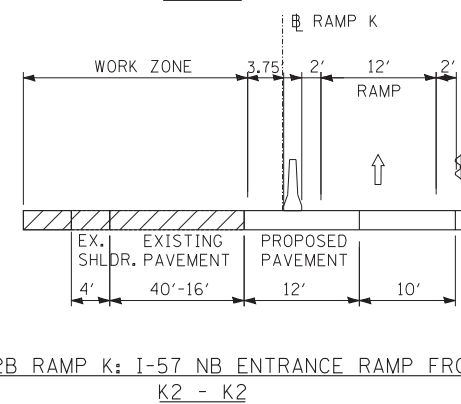
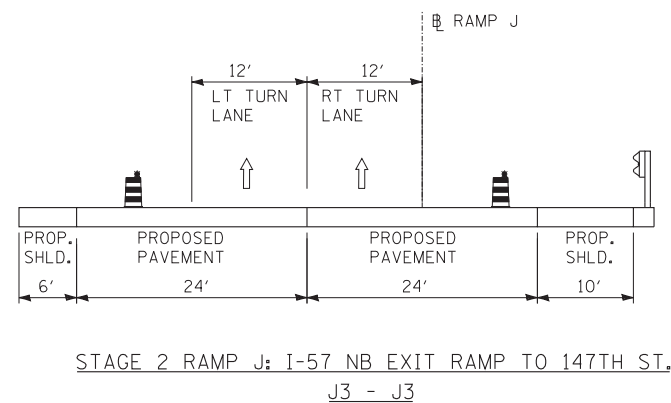
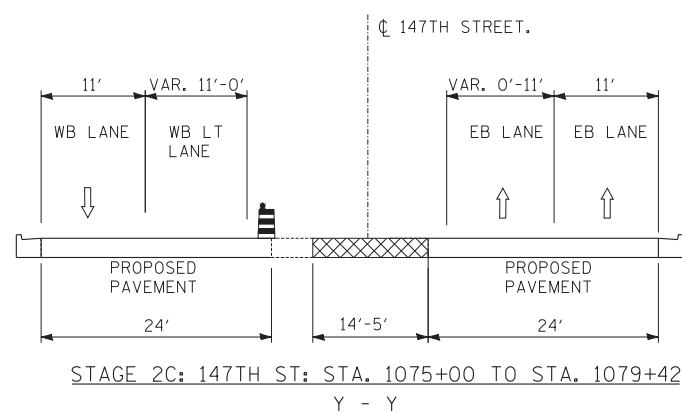
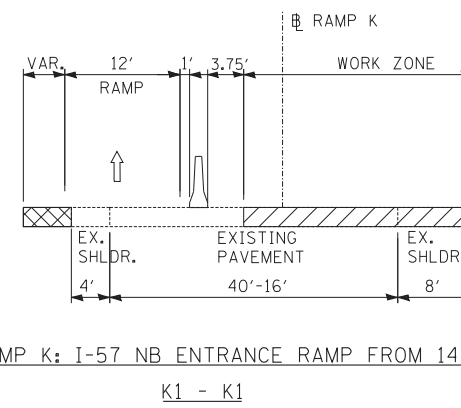
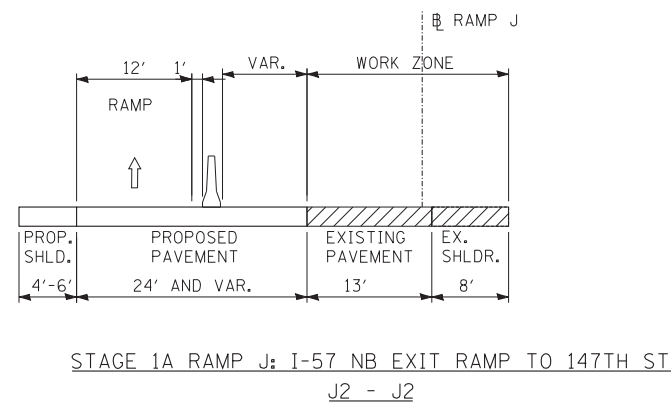
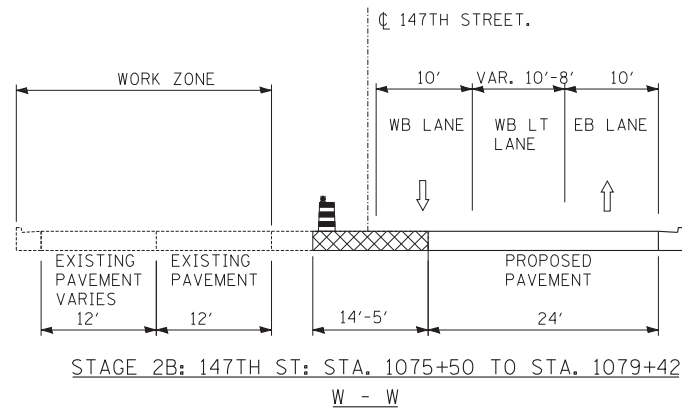
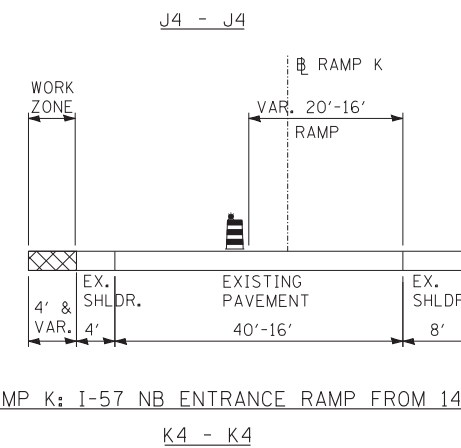
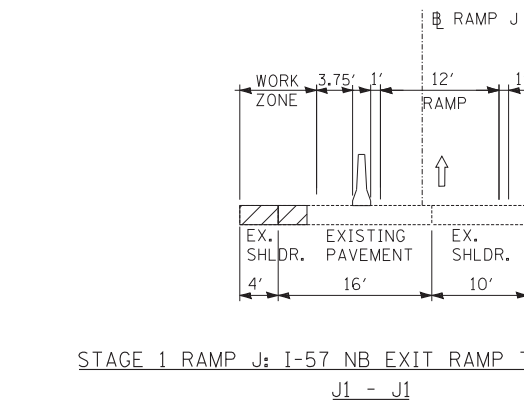
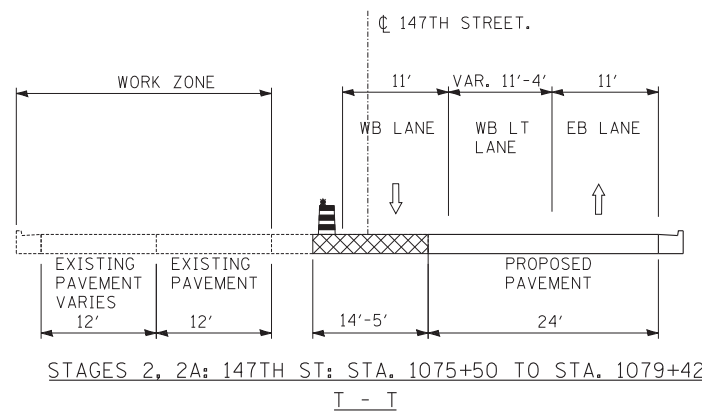
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDU	REVISED -
		DRAWN - JDU	REVISED -
	PLOT SCALE =	CHECKED - SES	REVISED -
	PLOT DATE =	DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

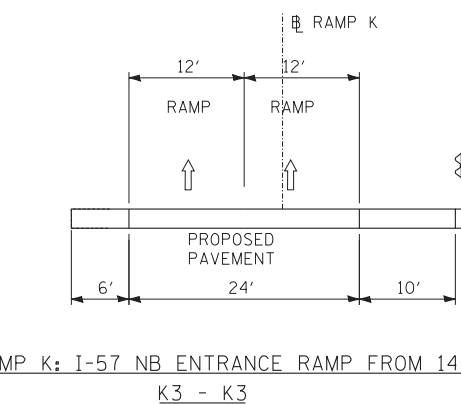
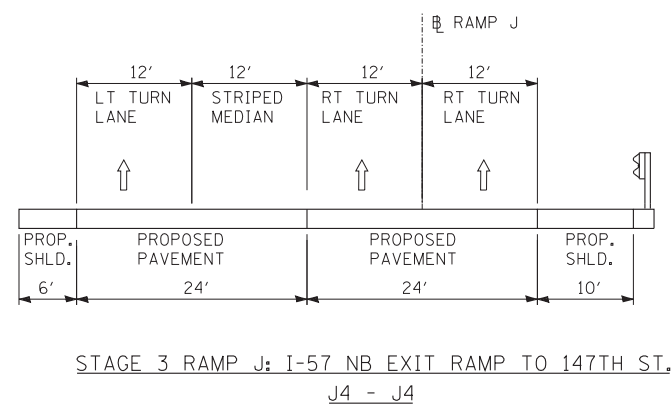
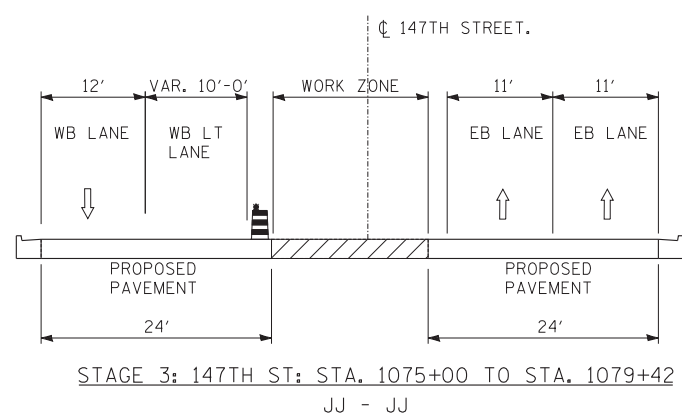
**147TH STREET PROJECT
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 6 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	98
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	



• WORK ZONE FROM STA. 1075+07 TO STA. 1075+83



- LEGEND**
- TRAFFIC MOVEMENT
 - TEMPORARY CONCRETE BARRIER (WITH MONO-DIRECTIONAL PRISMATIC REFLECTORS ON TOP AND SIDE FACING TRAFFIC)
 - WORK ZONE
 - TEMPORARY PAVEMENT
 - DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

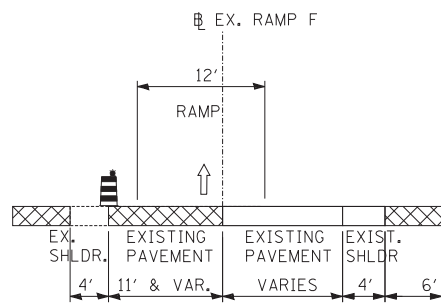
TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDU	REVISED -
	PLOT SCALE =	DRAWN - JDU	REVISED -
	PLOT DATE =	CHECKED - SES	REVISED -
		DATE - 5/23/2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**147TH STREET PROJECT
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 7 OF 8 SHEETS STA. TO STA.

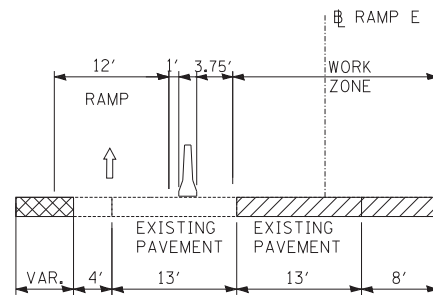
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	99
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	



STAGE 1 RAMP F: I-57 SB ENTRANCE RAMP FROM 147TH ST.

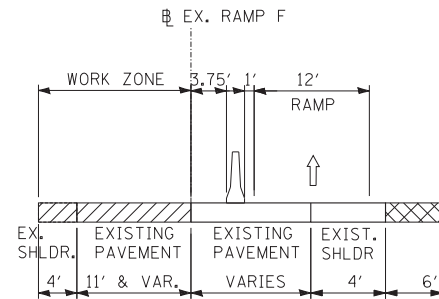
F1 - F1

NOTE: WORK ZONE FROM STA. 5200+15 TO STA. 5201+10



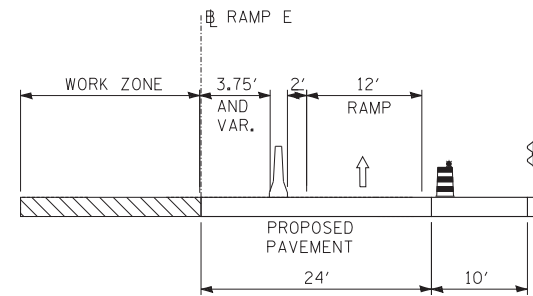
STAGE 1 RAMP E: I-57 SB EXIT RAMP TO 147TH ST.

E1 - E1



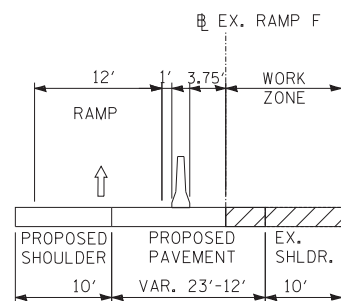
STAGE 1A RAMP F: I-57 SB ENTRANCE RAMP FROM 147TH ST.

F2 - F2



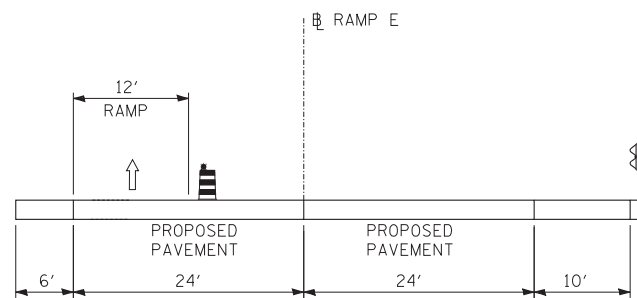
STAGE 2: RAMP E: I-57 SB EXIT RAMP TO 147TH ST.

E2 - E2



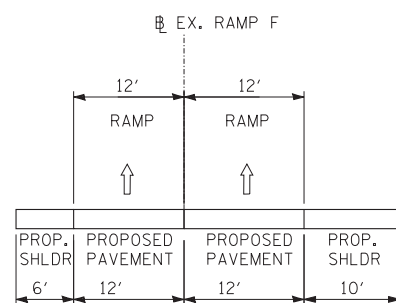
STAGE 2 RAMP F: I-57 SB ENTRANCE RAMP FROM 147TH ST.

F3 - F3



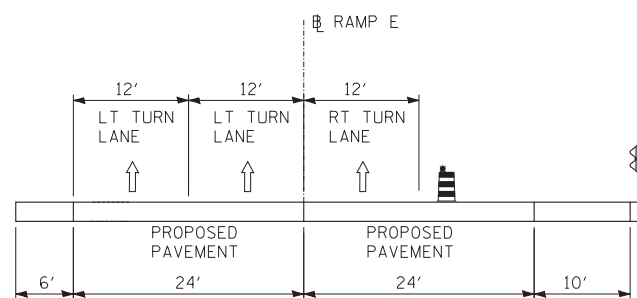
STAGE 2A: RAMP E: I-57 SB EXIT RAMP TO 147TH ST.

E3 - E3



STAGE 3 RAMP F: I-57 SB ENTRANCE RAMP FROM 147TH ST.

F4 - F4



STAGE 3: RAMP E: I-57 SB EXIT RAMP TO 147TH ST.

E4 - E4

IDOT HOT-MIX ASPHALT MIXTURE REQUIREMENTS

ITEM	AIR VOIDS
TEMPORARY PAVEMENT (HMA OPTION)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm) (2")	4%±50 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70 (8")	4%±50 Gyr

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.

PC CONCRETE TEMPORARY PAVEMENT SHALL CONSIST OF CLASS PV CONCRETE MEETING THE REQUIREMENTS OF ART. 1020 OF THE STANDARD SPECIFICATIONS.

LEGEND

- TRAFFIC MOVEMENT
- TEMPORARY CONCRETE BARRIER (WITH MONO-DIRECTIONAL PRISMATIC REFLECTORS ON TOP AND SIDE FACING TRAFFIC)
- WORK ZONE
- TEMPORARY PAVEMENT
- DRUM WITH MONO-DIRECTIONAL STEADY BURNING LIGHT

TYLIN INTERNATIONAL

USER NAME =	DESIGNED - JDU	REVISED -
	DRAWN - JDU	REVISED -
PLOT SCALE =	CHECKED - SES	REVISED -
PLOT DATE =	DATE - 5/23/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

147TH STREET PROJECT
MAINTENANCE OF TRAFFIC - TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 8 OF 8 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
XX	(0405-1 & 0506-2) R-1	COOK	577	100
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60M57	