

URBAN

PAY ITEM #	DESCRIPTION	UNIT	TOTAL QUANTITY	ROADWAY	TRAFFIC SIGNALS	TRAFFIC SIGNALS	TRAFFIC SIGNALS	INTERCONNECT	INTERCONNECT								
				80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% NEW LENOX 0021	80% FEDERAL 10% STATE 10% MOKENA 0021	80% FEDERAL 10% STATE 10% FRANKFORT 0021	80% FEDERAL 20% STATE	80% FEDERAL 20% STATE	LOCATION 1 0021	LOCATION 2 0021						
78008370	POLYUREA PAVEMENT MARKING TYPE II - LINE 24"	FOOT	2022	2022													
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2239	2239													
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	131	131													
78100300	REPLACEMENT REFLECTOR	EACH	138	138													
78200530	BARRIER WALL MARKERS, TYPE C	EACH	348	348													
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	21240		2133	477	1055	7857	9718								
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	31		31												
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	301		191	26	84										
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	371		186	25	160										
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	4665		1111	225	451	1129	1749								
81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	183		54		129										
81018700	CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	131		87	24	20										
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	2923		1781	448	694										
81400100	HANDHOLE	EACH	60		16	4	8	15	17								
81400200	HEAVY-DUTY HANDHOLE	EACH	25		15	4	6										
81400300	DOUBLE HANDHOLE	EACH	14		8	2	4										
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2														
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	21643		2353	501	1214	7857	9718								
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	2														
86400100	TRANSCEIVER - FIBER OPTIC	EACH	7					4	3								
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	7166		3747	1317	2102										
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	10736		5810	1957	2969										
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	9903		6211	1262	2430										
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	12577		7379	1915	3283										
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	18986		11968	2796	4222										
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	489		245	37	207										
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1		1												
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1				1										
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	7		4	1	2										
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1				1										
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2		1		1										
87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1		1												
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	2				2										
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1		1												

*SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
U.S. RTE. 30 (LINCOLN HIGHWAY)

SCALE : 1" = 50'
DATE : / /
DRAWN BY : BAE
CHECKED BY : GB

Rev. 1-6-11

URBAN

TRAFFIC SIGNALS

PAY ITEM #	DESCRIPTION	UNIT	TOTAL QUANTITY	TRAFFIC SIGNALS																
				SAFETY 80% FEDERAL 10% STATE 10% NEW LENOX	SAFETY 80% FEDERAL 10% STATE 10% MOKENA	SAFETY 80% FEDERAL 10% STATE 10% FRANKFORT	SAFETY 100% FPD OF NEW LENOX	SAFETY 100% FPD OF FRANKFORT	SAFETY 80% FEDERAL 20% STATE INTERCONNECT LOCATION 1	SAFETY 80% FEDERAL 20% STATE INTERCONNECT LOCATION 2										
87700270	STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	4	2	2															
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	3	3																
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	3	3																
87700340	STEEL MAST ARM ASSEMBLY AND POLE, 58 FT.	EACH	1	1																
87700400	STEEL MAST ARM ASSEMBLY AND POLE, 60 FT.	EACH	1				1													
87700404	STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	3	2			1													
87702587	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 22 FT.	EACH	1	1																
87702738	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT. AND 18 FT.	EACH	1				1													
87702776	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 56 FT. AND 14 FT. A	EACH	1		1															
87702782	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 52 FT. AND 26 FT.	EACH	1				1													
87703214	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 60 FT. AND 14 FT.	EACH	1		1															
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	40	20	4	16														
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	28	16	4	8														
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30	20		10														
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	231	151	26	54														
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	168	84	42	42														
87900200	DRILL EXISTING HANDHOLE	EACH	4							1	3									
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	39	23	6	10														
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	1		3														
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	3	3																
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	13	8	1	4														
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	34	19	7	8														
88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	1	1															
88030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1	1																
88030250	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1	1																
88030310	SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1	1																
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14	10	2	2														
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14	6	3	5														
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	76	45	13	18														
88500100	INDUCTIVE LOOP DETECTOR	EACH	91 A	43	31 A	17														
88700200	LIGHT DETECTOR	EACH	12				8	4												
88700300	LIGHT DETECTOR AMPLIFIER	EACH	5				3	2												

*SPECIALTY ITEMS

REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
U.S. RTE. 30 (LINCOLN HIGHWAY)

SCALE : 1" = 50'
DATE : / /
DRAWN BY : BAE
CHECKED BY : GB

A Rev. 1-6-2011

PAY ITEM #	DESCRIPTION	UNIT	TOTAL QUANTITY	URBAN			OVER SIZED STORM SEWER			TRAFFIC SIGNALS							
				ROADWAY 80% FEDERAL 20% STATE	BRIDGE 80% FEDERAL 20% STATE	SPECIAL BRIDGE 80% FEDERAL 20% STATE	SPECIAL BRIDGE 80% FEDERAL 13% STATE 7% NEW LENOX	SPECIAL BRIDGE 80% FEDERAL 16% STATE 4% FRANKFORT	ROADWAY 100% FRANKFORT (CEDAR RD)	SAFETY 80% FEDERAL 10% STATE 10% NEW LENOX	SAFETY 80% FEDERAL 10% STATE 10% MOKENA	SAFETY 80% FEDERAL 10% STATE 10% FRANKFORT	SAFETY 100% FPD OF NEW LENOX	SAFETY 100% FPD OF FRANKFORT	SAFETY 80% FEDERAL 20% STATE INTERCONNECT LOCATION 1	SAFETY 80% FEDERAL 20% STATE INTERCONNECT LOCATION 2	
				0003	0010	0040	0040	0040	0004	0021	0021	0021	0021	0021	0021	0021	0021
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	42							22	8	12					
* 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	4							3		1					
* 89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	4										2	2			
* 89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	4										1	1			
* 89501510	RELOCATE EXISTING FLASHING BEACON	EACH	1							1							
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	6							3		1					
* 89502380	REMOVE EXISTING HANDHOLE	EACH	33							25		8					
* 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	24							15		9					
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	16741	11932					4809								
Z0001055	AGGREGATE SUBGRADE 12", SPECIAL	SQ YD	223079	223079													
Z0007430	TEMPORARY SIDEWALK	SQ FT	359	359													
Z0010555	DITCH CLEANING	FOOT	136	136													
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1													
Z0018804	TEMPORARY DRAINAGE SYSTEM NO. 1	FOOT	25			25											
Z0018805	TEMPORARY DRAINAGE SYSTEM NO. 2	FOOT	44			44											
Z0018806	TEMPORARY DRAINAGE SYSTEM NO. 3	FOOT	75			75											
Z0026407	TEMPORARY SHEET PILING	SQ FT	5362		2430	2932											
Z0028462	GEOTEXTILE RETAINING WALL	SQ FT	340		90	250											
Z0030150	IMPACT ATTENUATORS (NON-REDIRECTIVE), TEST LEVEL 3	EACH	15	15													
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	14	14													
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	468	468													
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	2												1	1	
* Z0033060	PREFORMED DETECTOR LOOP	FOOT	6395							3995	971	1429					
* Z0033090	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	25177												11497	13680	
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	8402	8402													
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	633	550			83										
Z0056610	STORM SEWER (WATER MAIN REQUIREMENTS) 15 INCH	FOOT	357	357													
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	289	257				32									
Z0056614	STORM SEWER (WATER MAIN REQUIREMENTS) 21 INCH	FOOT	343	343													
Z0056616	STORM SEWER (WATER MAIN REQUIREMENTS) 24 INCH	FOOT	96	96													
Z0056620	STORM SEWER (WATER MAIN REQUIREMENTS) 30 INCH	FOOT	48	24			24										
Z0056622	STORM SEWER (WATER MAIN REQUIREMENTS) 36 INCH	FOOT	281	281													

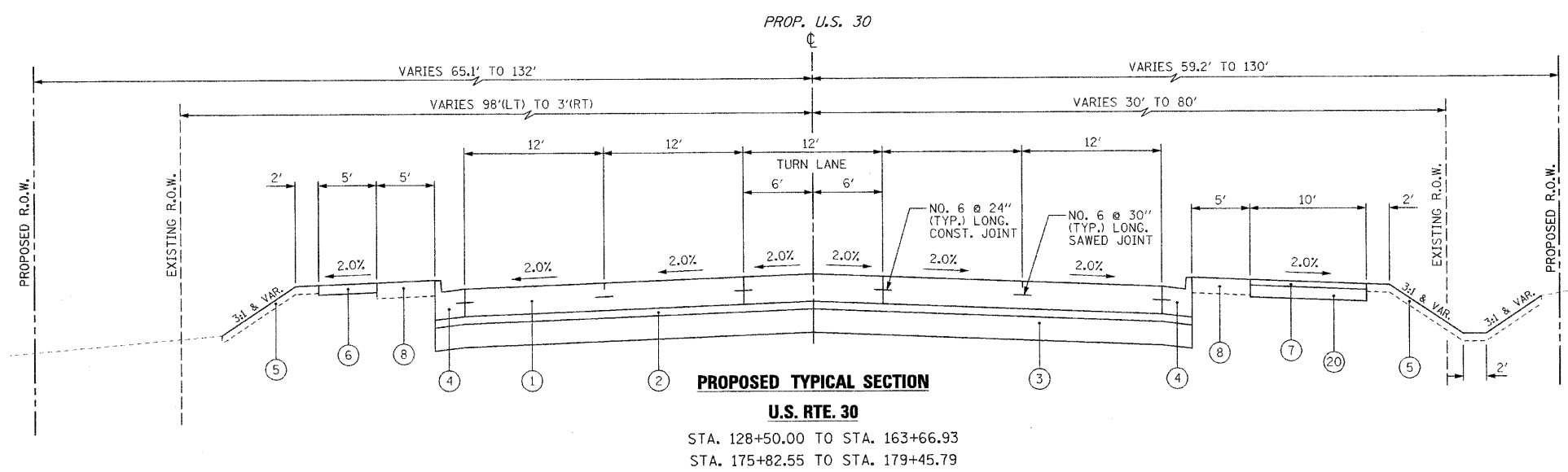
*SPECIALTY ITEMS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SUMMARY OF QUANTITIES U.S. RTE. 30 (LINCOLN HIGHWAY)

SCALE : 1" = 50'
DATE : / /
DRAWN BY : BAE
CHECKED BY : GB

Rev. 1-6-11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	26
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 62479				



- PROPOSED LEGEND**
- ① PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINTED)
 - ② STABILIZED SUBBASE - HOT MIX ASPHALT, 4 1/2"
 - ③ AGGREGATE SUBGRADE 12", SPECIAL
 - ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
 - ⑤ TOPSOIL FURNISH AND PLACE, 4"
 - ⑥ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
 - ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 3"
 - ⑧ TOPSOIL FURNISH AND PLACE, 8"
 - ⑨ TOPSOIL FURNISH AND PLACE, 24"
 - ⑩ CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)
 - ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 9"
 - ⑫ AGGREGATE SUBGRADE, 12"
 - ⑬ LEVELING BINDER, (MACHINE METHOD), N50, 3/4"
 - ⑭ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
 - ⑮ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
 - ⑯ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
 - ⑰ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6 3/4"
 - ⑱ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
 - ⑲ HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4"
 - ⑳ AGGREGATE BASE COURSE, TYPE B 6"
 - ㉑ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
 - ㉒ AGREGATE SHOULDERS, TYPE B 6"

**PROPOSED TYPICAL SECTION
U.S. RTE. 30**
STA. 128+50.00 TO STA. 163+66.93
STA. 175+82.55 TO STA. 179+45.79

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
FULL DEPTH PAVEMENT - US ROUTE 30	
HOT-MIX ASPHALT PAVEMENT SURFACE COURSE, MIX "D", N70 (IL 9.5mm); 2"	4% @ 70 GYR
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N70 ; 1 3/4", 3 LIFTS	4% @ 70 GYR
FULL DEPTH PAVEMENT - LOCATION 1	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 ; 7", 2 LIFTS	4% @ 50 GYR
FULL DEPTH PAVEMENT - LOCATION 2	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 ; 7", 2 LIFTS	4% @ 50 GYR
FULL DEPTH PAVEMENT - CEDAR	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm) ; 2"	4% @ 50 GYR
HOT-MIX ASPHALT BINDER COURSE, IL 19.0, N50 ; 2 1/4"	4% @ 50 GYR
PAVEMENT WIDENING - US ROUTE 30	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm) ; 2"	4% @ 70 GYR
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 ; 3/4"	4% @ 70 GYR
HOT-MIX ASPHALT BASE COURSE WIDENING ; 11", 3 LIFTS (HMA BINDER IL 19 mm) / A	4% @ 50 GYR
PAVEMENT WIDENING - MARLEY	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm) ; 1 1/2"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50 ; 3/4"	4% @ 50 GYR
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm); 6 3/4", 2 LIFTS	4% @ 50 GYR
PAVEMENT WIDENING - SCHOOLHOUSE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 1 1/2"	4% @ 50 GYR
LEVELING BINDER (MACHINE METHOD), N50 ; 3/4"	4% @ 50 GYR
HMA BASE COURSE WIDENING (HMA BINDER IL-19 mm) ; 6 3/4", 2 LIFTS	4% @ 50 GYR
STABILIZED SUBBASE	
STABILIZED SUBBASE HMA (IL-19 mm); 4 1/2"	3% @ 50 GYR
DRIVEWAYS	
HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm) ; 2"	4% @ 50 GYR
HMA BASE COURSE (HMA BINDER IL-19 mm) ; PE -6", CE -8"	4% @ 50 GYR
TEMPORARY PAVEMENT	
HMA SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1 1/2"	4% @ 50 GYR
TEMP PAVEMENT (HMA BINDER IL-19 mm); 8 1/2", 2 LIFTS	4% @ 50 GYR
BIKEPATH	
HMA SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 3"	4% @ 50 GYR
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR
TEMPORARY SURFACE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm); 2"	4% @ 50 GYR

- LOCATION 1**
1. WALONA AVE
 2. PLEASANT ST
 3. SPENCER RD
 4. BRISBANE RD/ANDERSON DR
 5. LINCOLNWAY DR
 6. HIGH SCHOOL W ENTRANCE
 7. HIGH SCHOOL E ENTRANCE
 8. VANCINA LN
 9. GARFIELD AVE
 10. WEST CIRCLE DR
 11. ARROWHEAD RD/BLUESTONE DR
 12. EAST CIRCLE DR
 13. PRESTANCIA DR
 14. TALL GRASS DR
 15. RIDGEMORE RD/OWENS DR
 16. SETTLERS POND DR
 17. 108TH AVE
 18. BUTTERNUT TRAIL DR
 19. HACKBERRY RD
 20. LOCUST ST
 21. ELM ST
- LOCATION 2**
1. MARLEY RD (NORTH LEG)
 2. ELSNER RD
 3. SCHOOLHOUSE RD (NORTH LEG)

• IF CONTRACTOR CHOOSES TO USE CONCRETE THAN THE THICKNESS SHALL BE 10".

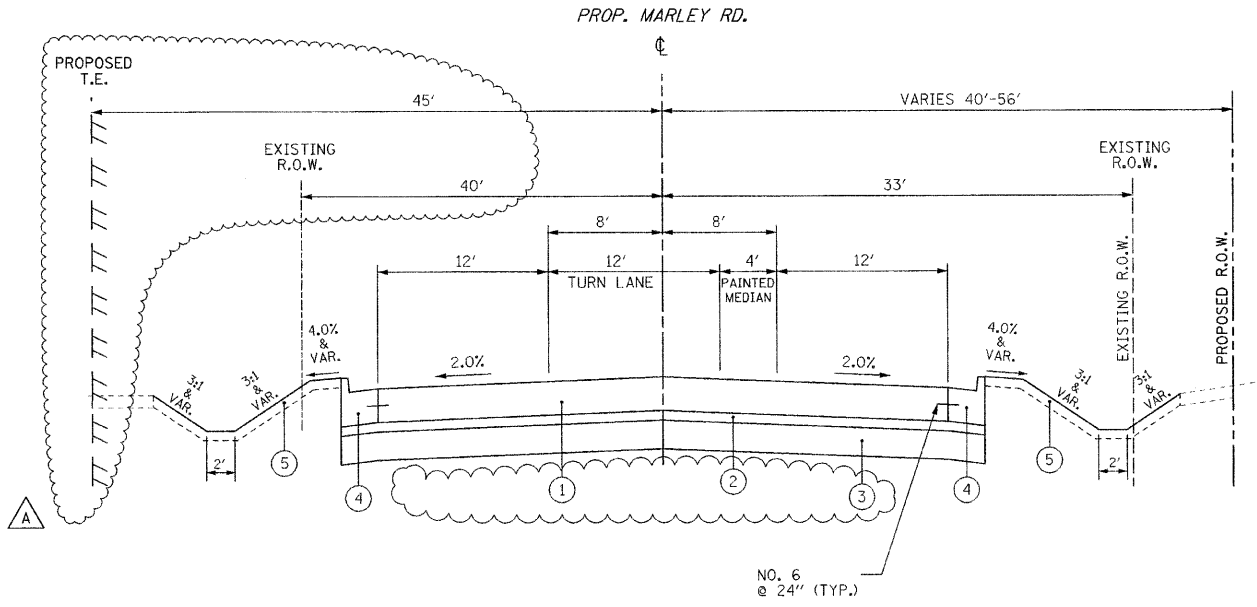
1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/50 YD³/IN.
2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

REVISIONS	
NAME	DATE
A ADDENDUM A	12/30/10

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
PROPOSED
U.S. RTE. 30 (LINCOLN HWY)
SCALE : 1" = NTS
DATE : / /
DRAWN BY : BEC
CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	34
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

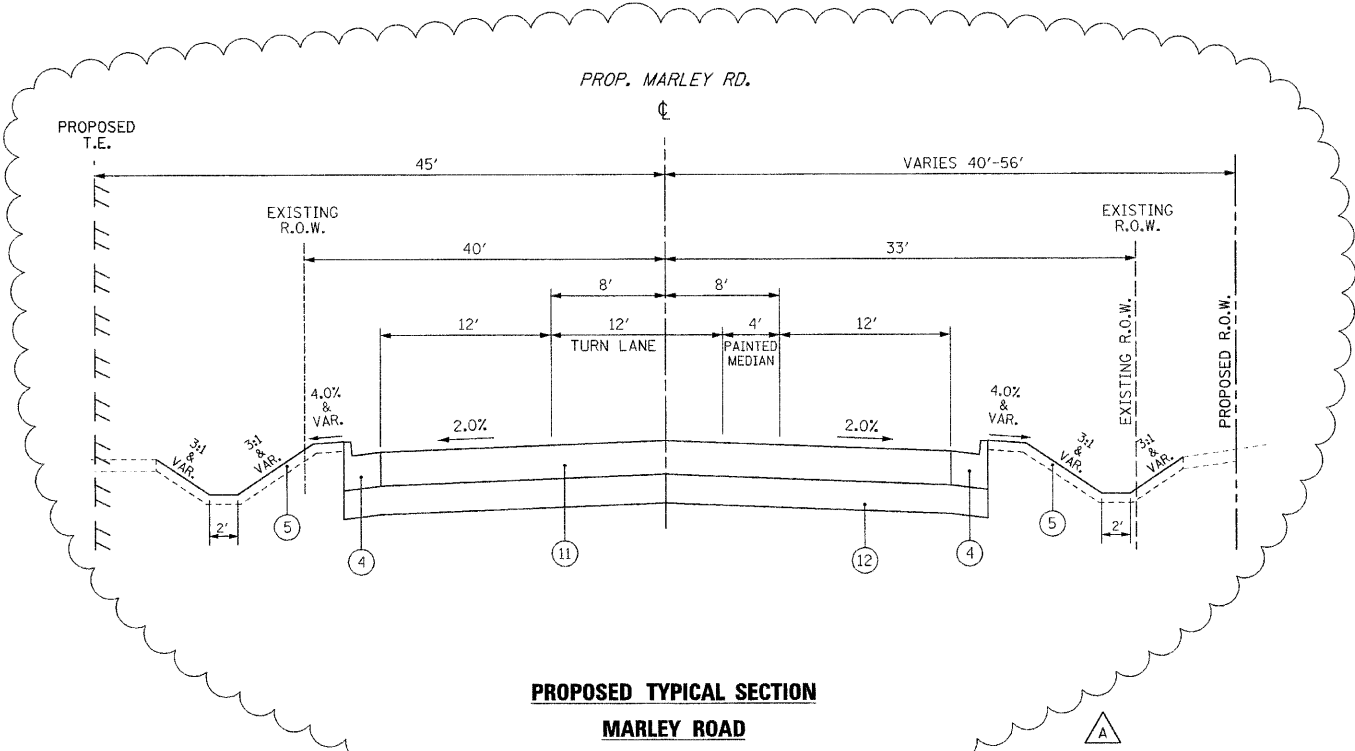
CONTRACT NO. 62479



PROPOSED TYPICAL SECTION

MARLEY ROAD

NORTH OF U.S. ROUTE 30
STA 100+00.0 TO STA 101+64.9



PROPOSED TYPICAL SECTION

MARLEY ROAD

NORTH OF U.S. ROUTE 30
STA 101+64.9 TO STA 103+24.7

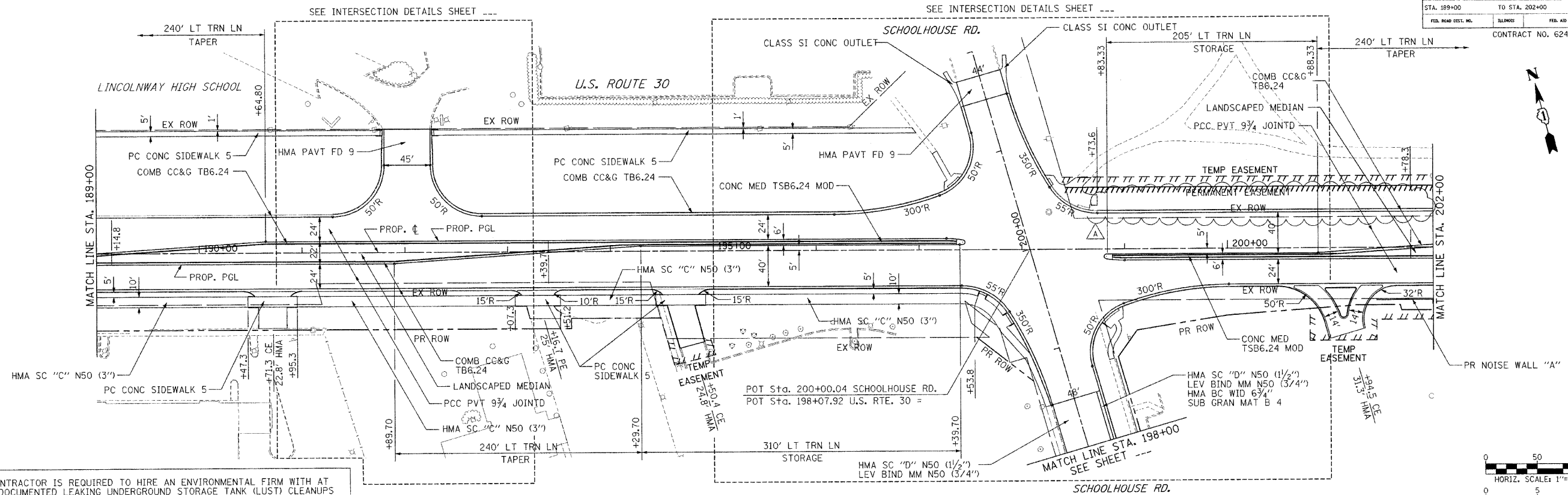
PROPOSED LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT, 9 3/4" (JOINTED)
- ② STABILIZED SUBBASE - HOT MIX ASPHALT, 4 1/2"
- ③ AGGREGATE SUBGRADE 12", SPECIAL
- ④ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑤ TOPSOIL FURNISH AND PLACE, 4"
- ⑥ PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- ⑦ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 3"
- ⑧ TOPSOIL FURNISH AND PLACE, 8"
- ⑨ TOPSOIL FURNISH AND PLACE, 24"
- ⑩ CONCRETE MEDIAN, TYPE SB-6.24 (MODIFIED)
- ⑪ HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 9"
- ⑫ AGGREGATE SUBGRADE, 12"
- ⑬ LEVELING BINDER, (MACHINE METHOD), N50, 3/4"
- ⑭ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 1 1/2"
- ⑮ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.12
- ⑯ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 2 1/4"
- ⑰ HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6 3/4"
- ⑱ HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, 1 1/2"
- ⑲ HOT-MIX ASPHALT BASE COURSE WIDENING, 6 3/4"
- ⑳ AGGREGATE BASE COURSE, TYPE B 6"
- ㉑ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2"
- ㉒ AGREGATE SHOULDERS, TYPE B 6"

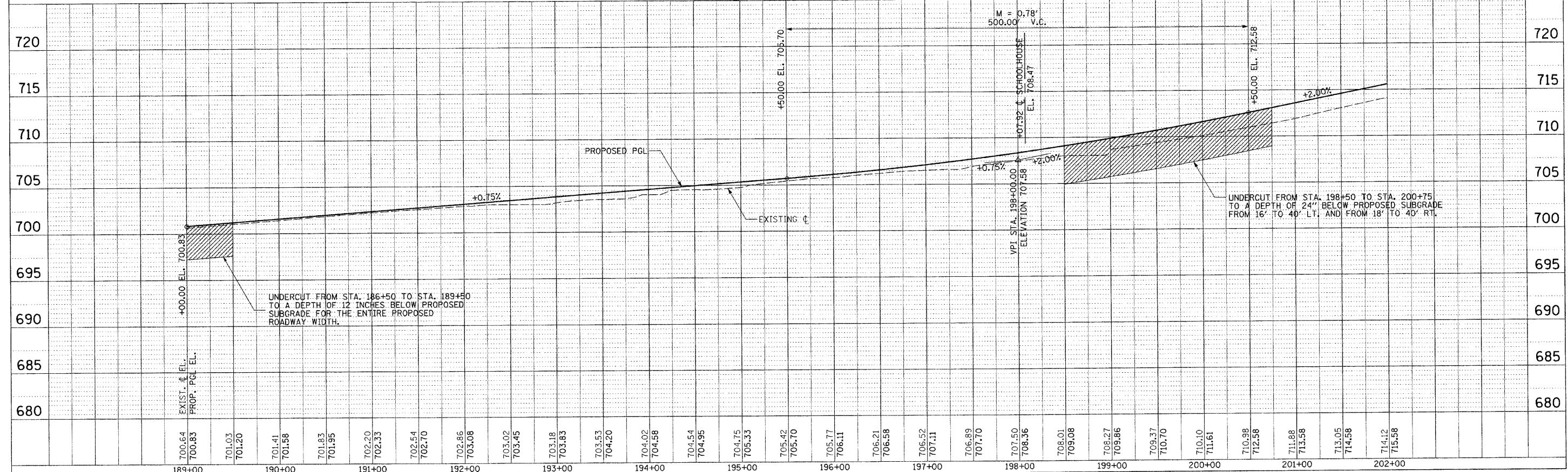
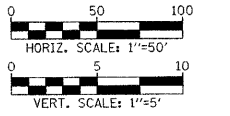
REVISIONS	
NAME	DATE
ADDENDUM A	12/30/10

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
PROPOSED
MARLEY ROAD
SCALE : 1" = NTS
DATE : / /
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CHECKED BY : GB

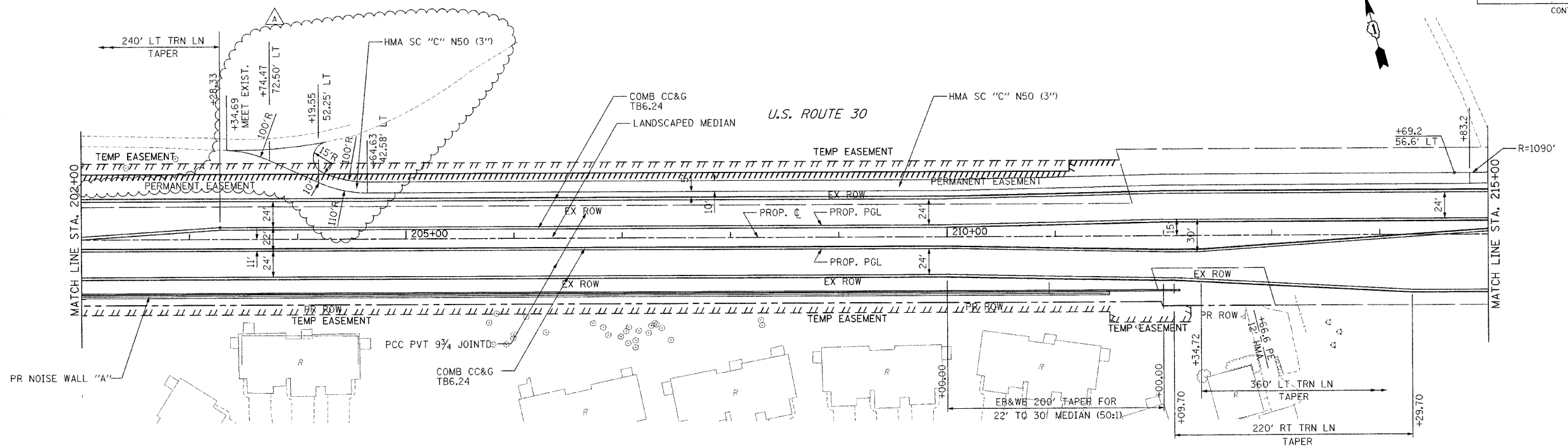
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	88
STA. 189+00	TO STA. 202+00			
FED. ROAD DIST. NO.	BLANKS	FED. AID PROJECT		
CONTRACT NO. 62479				



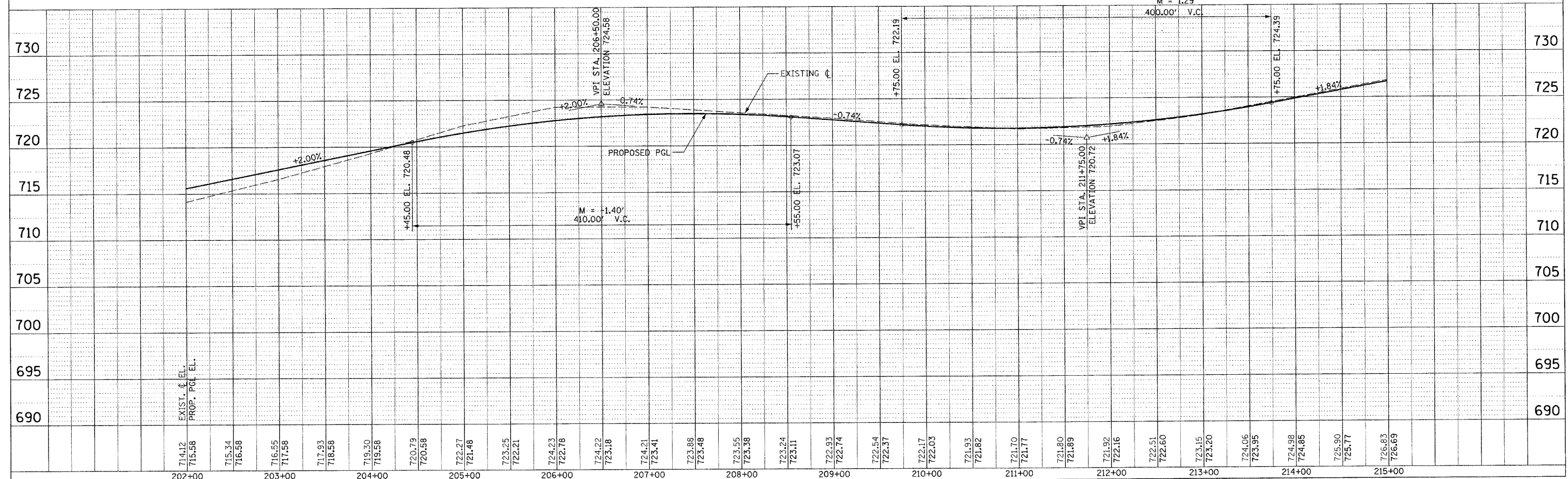
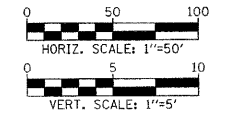
THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.



P.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	DWG. NO.
353	(12&13)WRS-3	WILL	1235	89
STA. 202+00		TO STA. 215+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 62479				

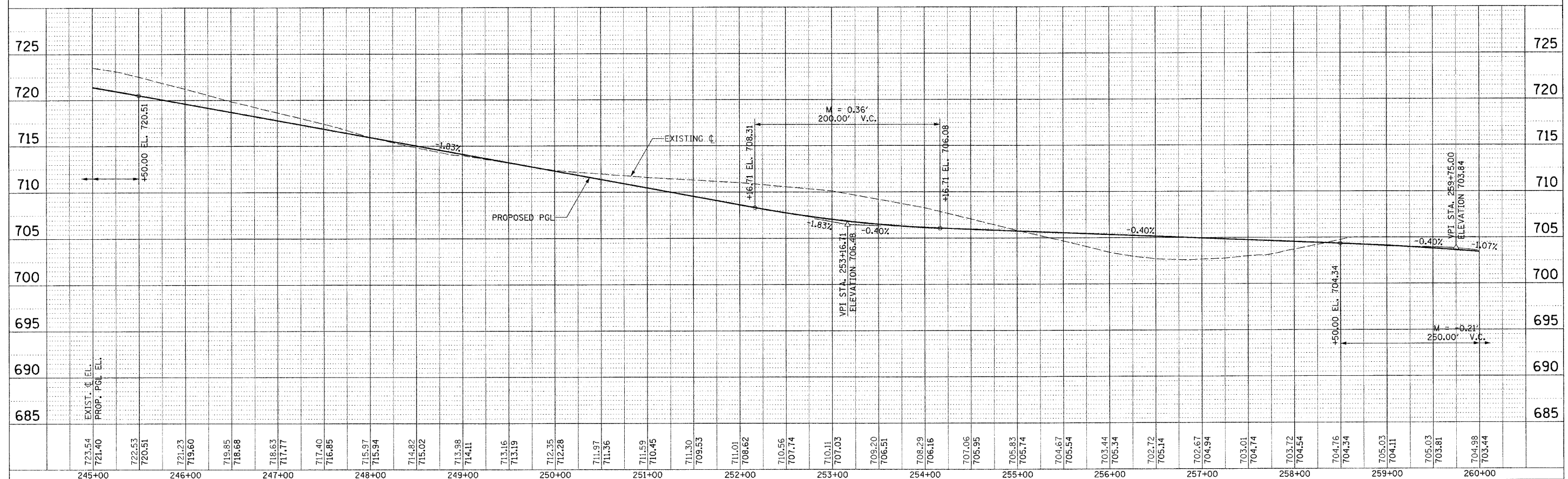
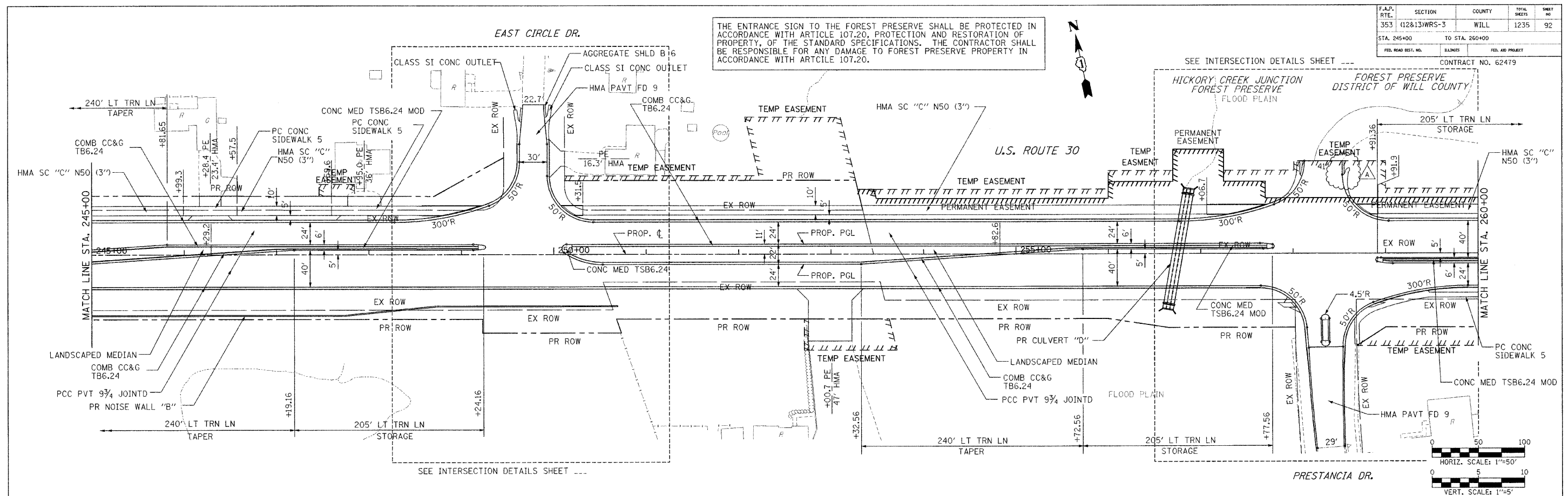


THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK (LUST) CLEANUPS OR THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	92
STA. 245+00	TO STA. 260+00			
FED. ROAD DIST. NO.	DISTRICT	FED. AID PROJECT		
			CONTRACT NO. 62479	

THE ENTRANCE SIGN TO THE FOREST PRESERVE SHALL BE PROTECTED IN ACCORDANCE WITH ARTICLE 107.20, PROTECTION AND RESTORATION OF PROPERTY, OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO FOREST PRESERVE PROPERTY IN ACCORDANCE WITH ARTICLE 107.20.



FINAL SURVEY NOTE BOOK NO. _____

BY _____ DATE _____

REVISIONS: _____

DATE _____

BY _____

NO. _____

ORIGINAL SURVEY NOTE BOOK NO. _____

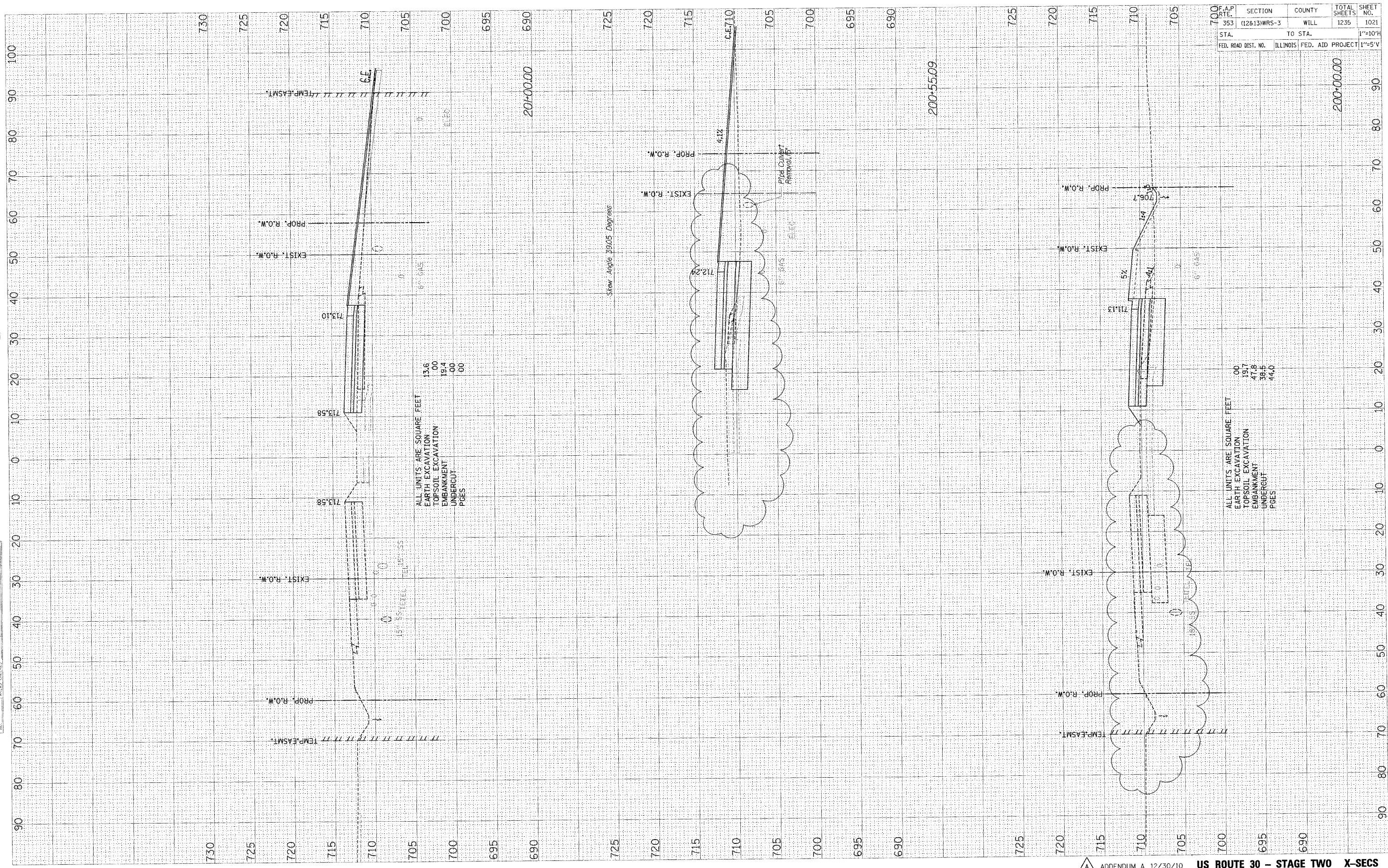
BY _____ DATE _____

REVISIONS: _____

DATE _____

BY _____

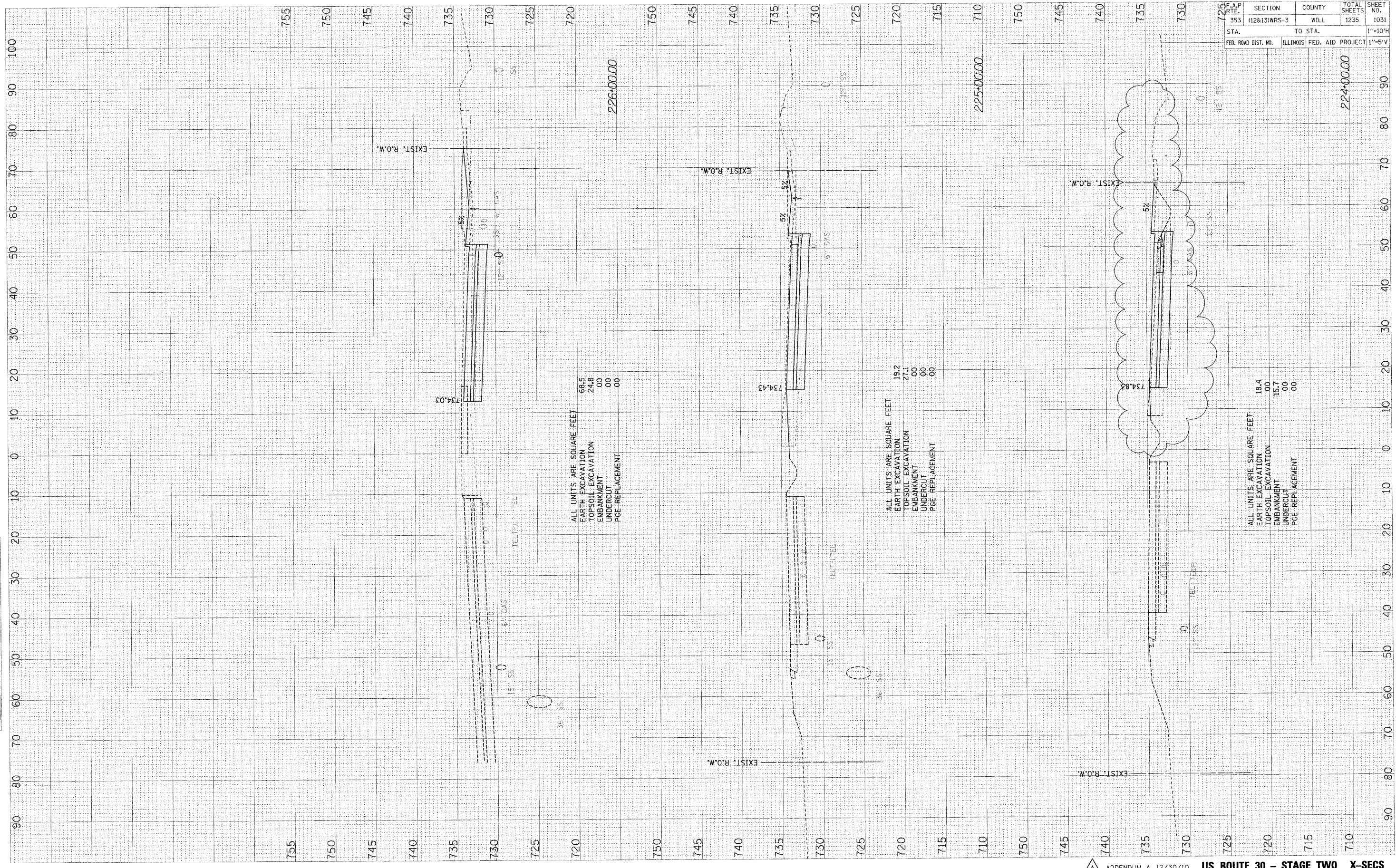
NO. _____



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12813)WRS-3	WILL	1235	1021
STA.	TO STA.			1"=10'H
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			1"=5'V

ORIGINAL SURVEY BY DATE
 SURVEYED BY DATE
 NOTE BOOK NO. DATE
 TEMPLATE AREAS CHECKED
 AREAS CHECKED

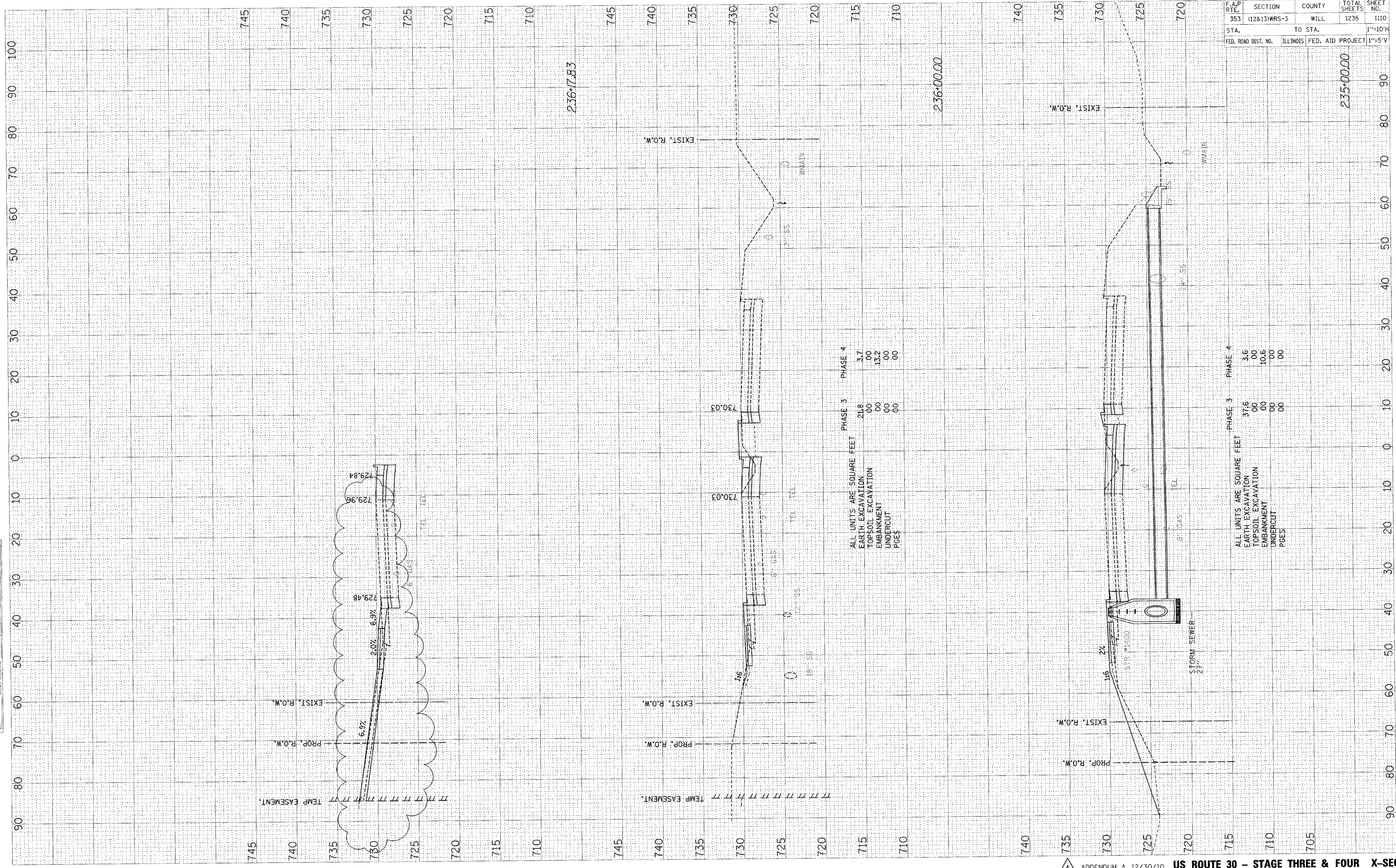
FINAL SURVEY BY DATE
 SURVEYED BY DATE
 NOTE BOOK NO. DATE
 TEMPLATE AREAS CHECKED
 AREAS CHECKED



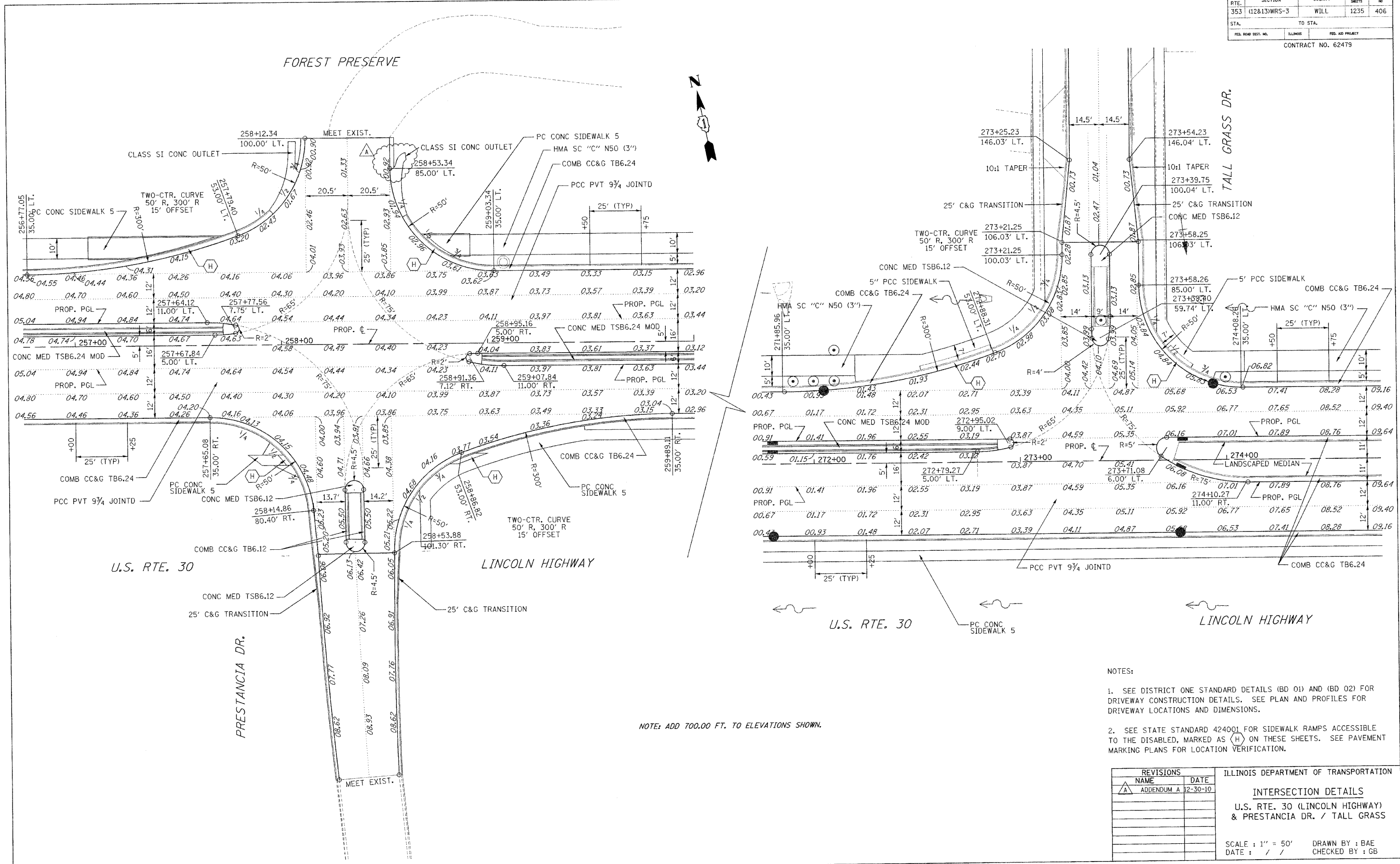
F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	1031
STA.	TO STA.			1"=10'H
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			1"=5'V

ORIGINAL SURVEY PLOTTED DATE
 NOTE BOOK NO. DATE
 AREAS CHECKED

FINAL SURVEY BY DATE
 REVISIONS
 NOTE BOOK NO. DATE
 AREAS CHECKED



F.A.P. RTE. 353	SECTION (12&13)WRS-3	COUNTY WILL	TOTAL SHEETS 1235	SHEET NO. 1110
STA. TO STA.		1"=10'H		
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		1"=5'V		



NOTE: ADD 700.00 FT. TO ELEVATIONS SHOWN.

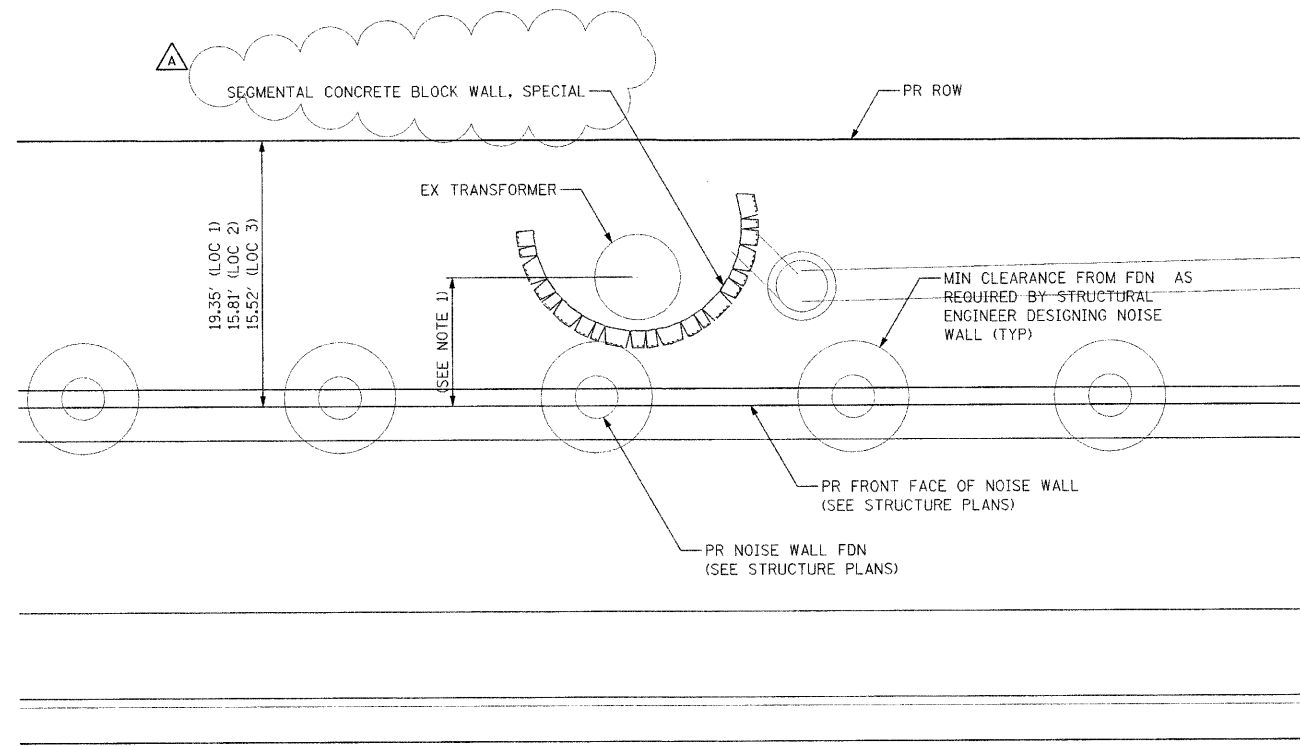
- NOTES:
- SEE DISTRICT ONE STANDARD DETAILS (BD 01) AND (BD 02) FOR DRIVEWAY CONSTRUCTION DETAILS. SEE PLAN AND PROFILES FOR DRIVEWAY LOCATIONS AND DIMENSIONS.
 - SEE STATE STANDARD 424001 FOR SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED, MARKED AS (H) ON THESE SHEETS. SEE PAVEMENT MARKING PLANS FOR LOCATION VERIFICATION.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
A	ADDENDUM A 12-30-10	INTERSECTION DETAILS U.S. RTE. 30 (LINCOLN HIGHWAY) & PRESTANCIA DR. / TALL GRASS

SCALE : 1" = 50'
DATE : / / DRAWN BY : BAE
CHECKED BY : GB

F.A.P. RITE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	415A
STA.	TO STA.			
FED. ROAD DIST. NO.	LINKER	FED. AID PROJECT		

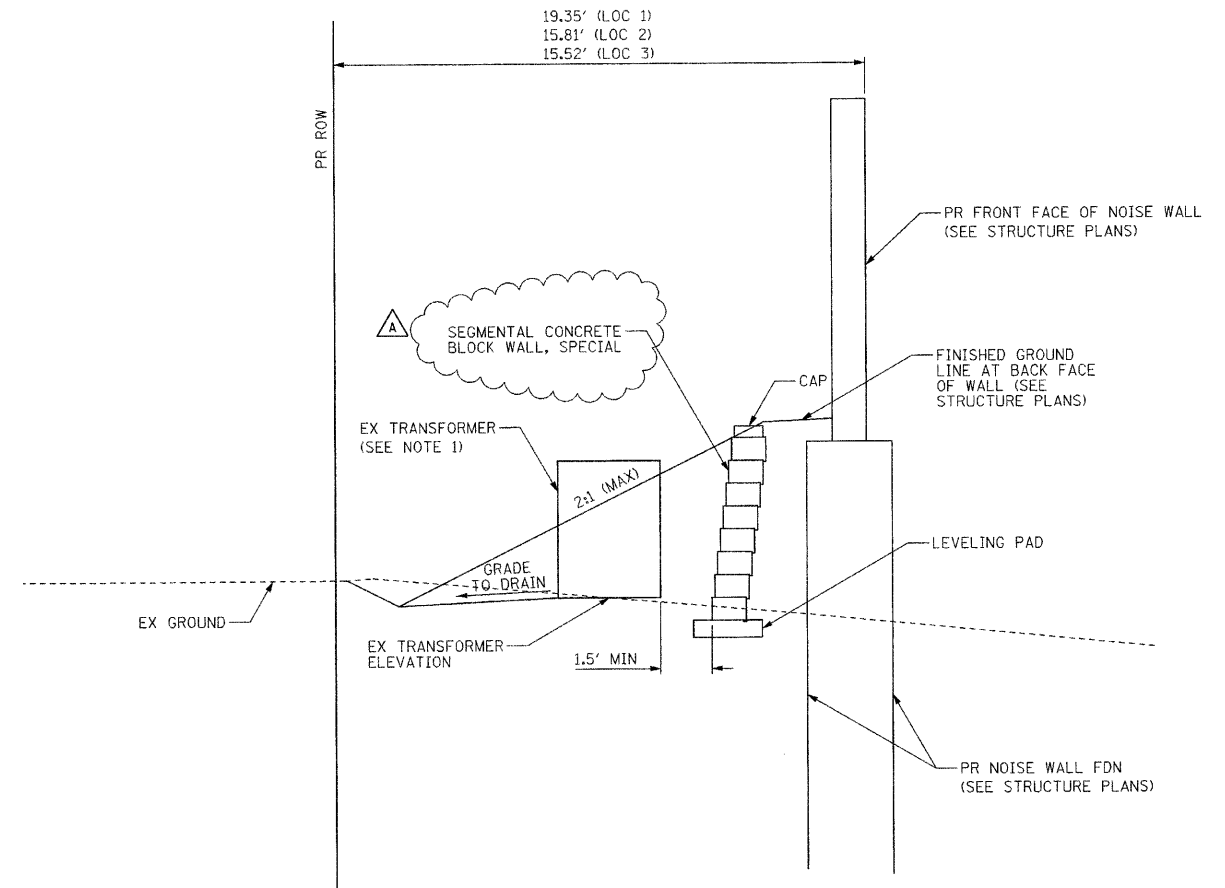
CONTRACT NO. 62479



PLAN

NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE EXISTING TRANSFORMER AND DETERMINING THE TRANSFORMERS DIMENSIONS.
2. THE CONTRACTOR SHALL TAKE NOTE OF THE PROPOSED DRAINAGE PLANS AT LOCATION Z.



TYPICAL SECTION

LOCATION	EX TRANSFORMER ELEV.	FINISHED GROUND ELEV. AT NOISE WALL
LOC 1 STA. 275+94 LT	709.8	712.74
LOC 2 STA. 281+73 LT	716.0	719.10
LOC 3 STA. 283+78 LT	712.9	717.59

REVISIONS	
NAME	DATE
A ADDENDUM A	12/30/10

ILLINOIS DEPARTMENT OF TRANSPORTATION
**UTILITY WELL
 DETAIL**
 SCALE : 1" = NTS
 DATE : / /
 DRAWN BY : BEC
 CHECKED BY : GB

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	522
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62479

TRAFFIC SIGNAL SUMMARY OF QUANTITIES (CONT.)

ITEM	UNIT	TOTAL QUANTITY	NEW LENOX					MOKENA	FRANKFORT		FIRE PROTECTION DISTRICT		INTERCONNECT	
			MARLEY	SCHOOL-HOUSE	VANCINA	JOLIET	FLASHING BEACON	OWENS	ELSNER	LOCUST	NEW LENOX	FRANKFORT	LOCATION 1	LOCATION 2
STEEL MAST ARM ASSEMBLY AND POLE, 62 FT.	EACH	3	1	1						1				
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 22 FT.	EACH	1				1								
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 50 FT. AND 18 FT.	EACH	1								1				
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 56 FT. AND 14 FT.	EACH	1					1							
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 52 FT. AND 26 FT.	EACH	1								1				
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 60 FT. AND 14 FT.	EACH	1					1							
CONCRETE FOUNDATION, TYPE A	FOOT	40		12	8		4	16						
CONCRETE FOUNDATION, TYPE C	FOOT	28	4	4	4	4	4	4	4					
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30			20			10						
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	231	30	28	39	54	26	22	32					
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	168	42	42			42		42					
DRILL EXISTING HANDHOLE	EACH	4										1	3	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	39	6	5	6	6	6	4	6					
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4		1				3						
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	3		3										
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	13	3	3		2	1	2	2					
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	34	5	5	3	6	7	2	6					
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2		1			1							
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1			1									
SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1			1									
SIGNAL HEAD, LED, 3-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1			1									
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14		6	2	2	2	2						
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	14	4	1		1	3	1	4					
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	76	11	10	12	12	13	6	12					
INDUCTIVE LOOP DETECTOR	EACH	71	10	11	12	10	11	7	10					
LIGHT DETECTOR	EACH	12								8	4			
LIGHT DETECTOR AMPLIFIER	EACH	5								3	2			
PEDESTRIAN PUSH-BUTTON	EACH	42	8	8	2	4	8	4	8					
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	4	1	1	1			1						
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	4								2	2			
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, PHASING UNIT	EACH	2								1	1			
RELOCATE EXISTING FLASHING BEACON	EACH	1					1							
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	4	1	1	1			1						
REMOVE EXISTING HANDHOLE	EACH	33	4	12	9			8						
REMOVE EXISTING CONCRETE FOUNDATION	EACH	24		9	6			9						

A

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
A ADDENDUM A	12/30/10	

TRAFFIC SIGNAL SUMMARY OF QUANTITIES
US RTE. 30 (LINCOLN HIGHWAY)

SCALE : 1" = NTS
DATE : 10/12/2010

DRAWN BY : RG
DESIGNED BY : GB
CHECKED BY : ZH

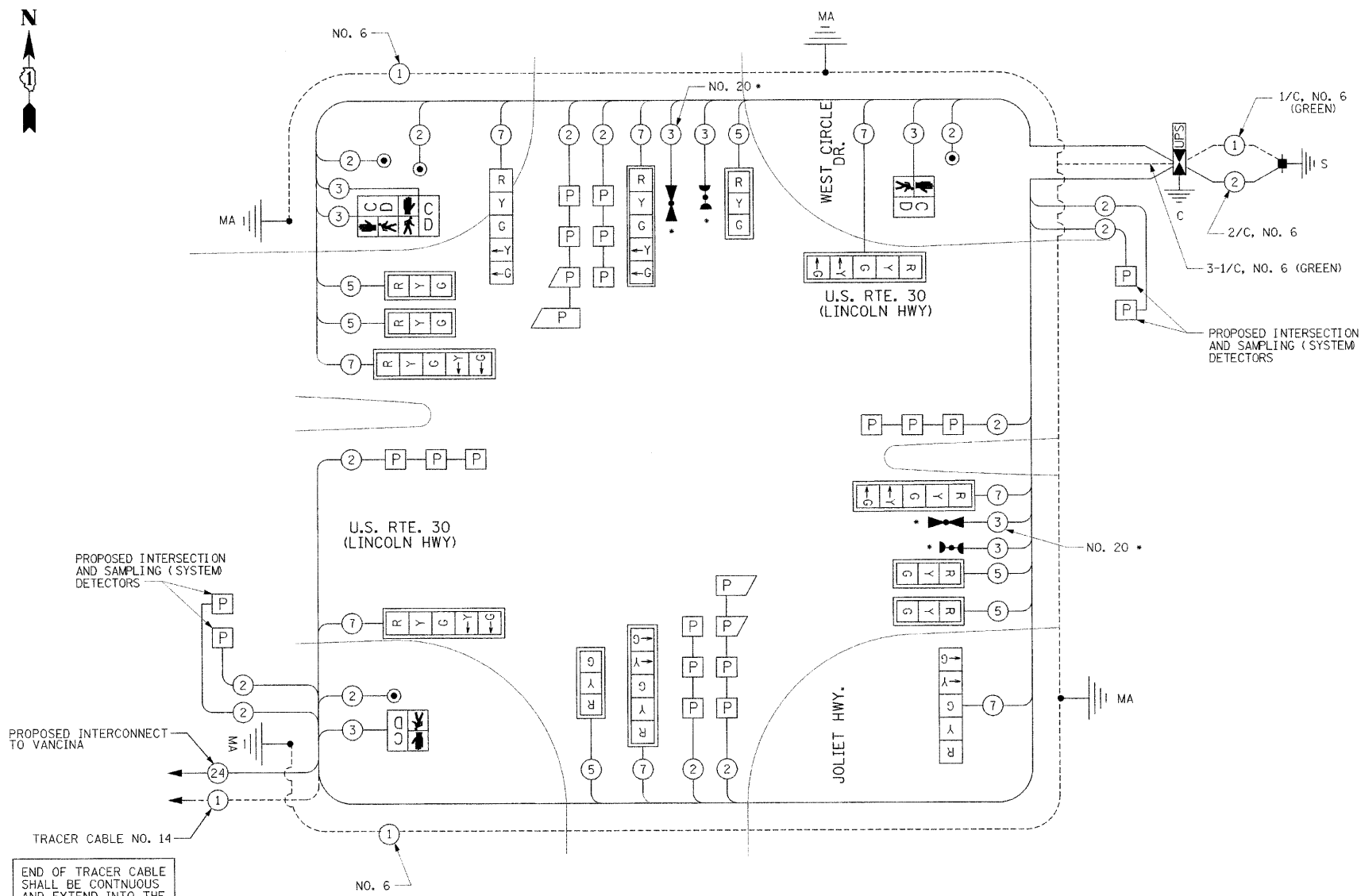
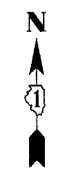
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	572
STA. TO STA.		FED. AID PROJECT		

CONTRACT NO. 62479

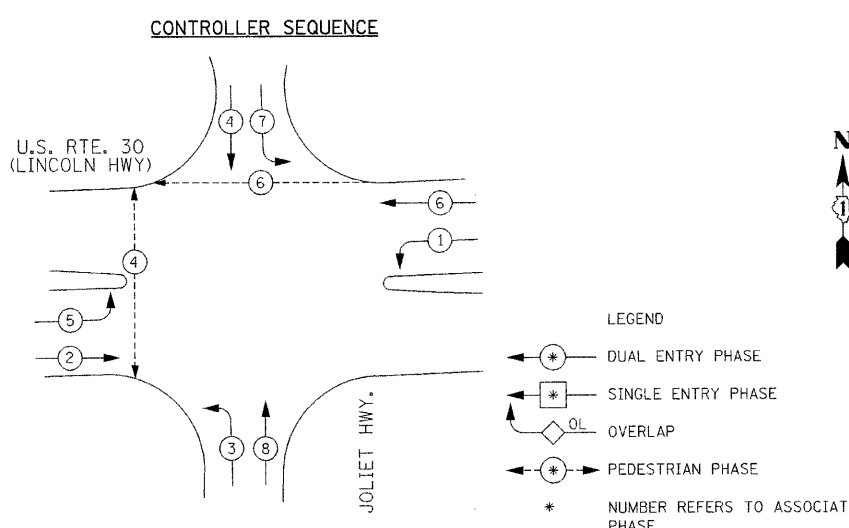
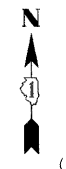
SCHEDULE OF QUANTITIES

ITEM	UNIT	NEW LENOX QUANTITY	EPD* QUANTITY
SIGN PANEL - TYPE 1	SQ FT	33	
SIGN PANEL - TYPE 2	SQ FT	30	
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	576	
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	35	
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	25	
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	202	
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	399	
HANDHOLE	EACH	4	
HEAVY-DUTY HANDHOLE	EACH	4	
DOUBLE HANDHOLE	EACH	2	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	599	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	591	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	920	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1536	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1146	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2540	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	57	
STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 38 FT. AND 22 FT.	EACH	1	
CONCRETE FOUNDATION, TYPE C	FOOT	4	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	6	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	12	
INDUCTIVE LOOP DETECTOR	EACH	10	
* LIGHT DETECTOR	EACH		2
* LIGHT DETECTOR AMPLIFIER	EACH		1
PEDESTRIAN PUSH-BUTTON	EACH	4	
PREFORMED DETECTOR LOOP	FOOT	824	
FULL-ACTUATED CONTROLLER AND CABINET (SPECIAL)	EACH	1	
SERVICE INSTALLATION - POLE MOUNTED	EACH	1	
UNINTERRUPTIBLE POWER SUPPLY	EACH	1	
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	653	
* ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT		301
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 14 FT. AND 52 FT.	EACH	1	

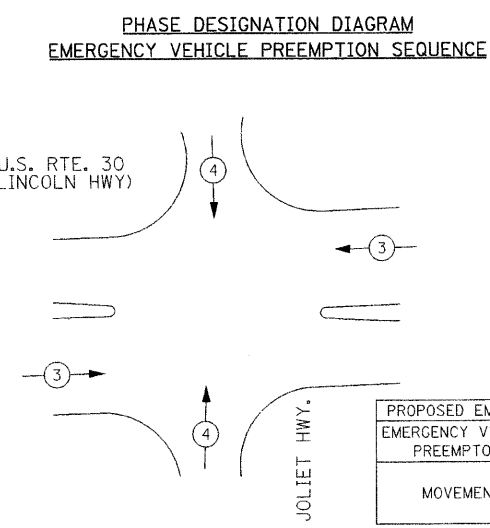
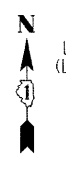
* 100% COST TO THE NEW LENOX FIRE PROTECTION DISTRICT



CABLE PLAN



CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM EMERGENCY VEHICLE PREEMPTION SEQUENCE

PROPOSED EMERGENCY VEHICLE PREEMPTORS	
EMERGENCY VEHICLE PREEMPTORS	3 4
MOVEMENT	← → ↓ ↑

EAGLE # -----

RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

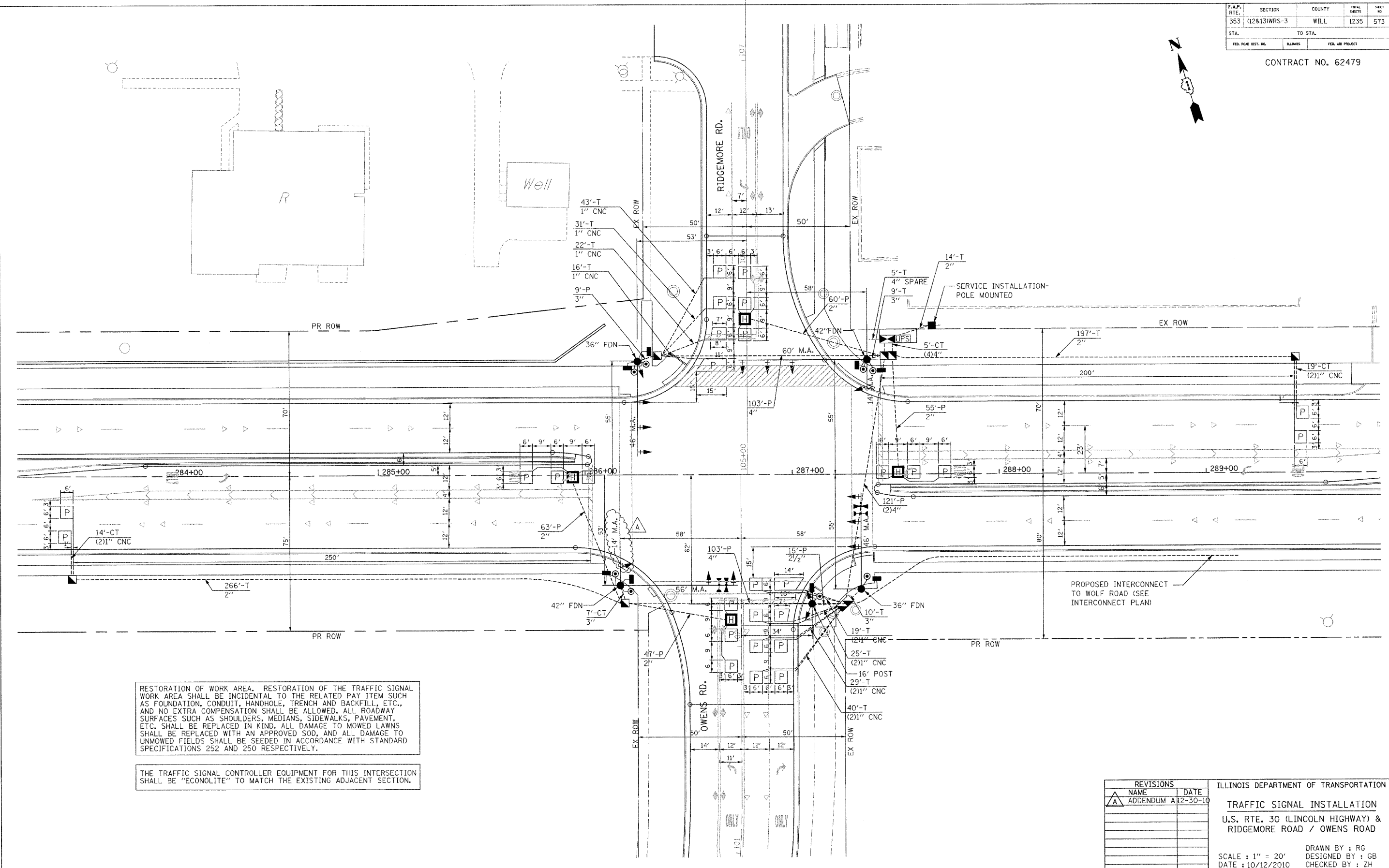
REVISIONS	
NAME	DATE
ADDENDUM A	12-30-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION, SCHEDULE OF QUANTITIES
 US RTE. 30 AT JOLIET/WEST CIRCLE
 SCALE : 1" = NTS
 DATE : 10/12/2010
 DRAWN BY : RG
 DESIGNED BY : GB
 CHECKED BY : ZH

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	14		17	0.50	119
(YELLOW)	14		25	0.25	87.5
(GREEN)	14		15	0.25	52.5
ARROW	16		12	0.10	19.2
PED. SIGNAL	4		25	1.00	100
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25		
FLASHER					
ENERGY COSTS TO:					TOTAL = 478.2
ILLINOIS DEPARTMENT OF TRANSPORTATION 291 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY CONTACT: MARK ANDERSON PHONE: (815) 724-5988 COMPANY: COM. ED.					

F.A.P. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	573
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62479



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

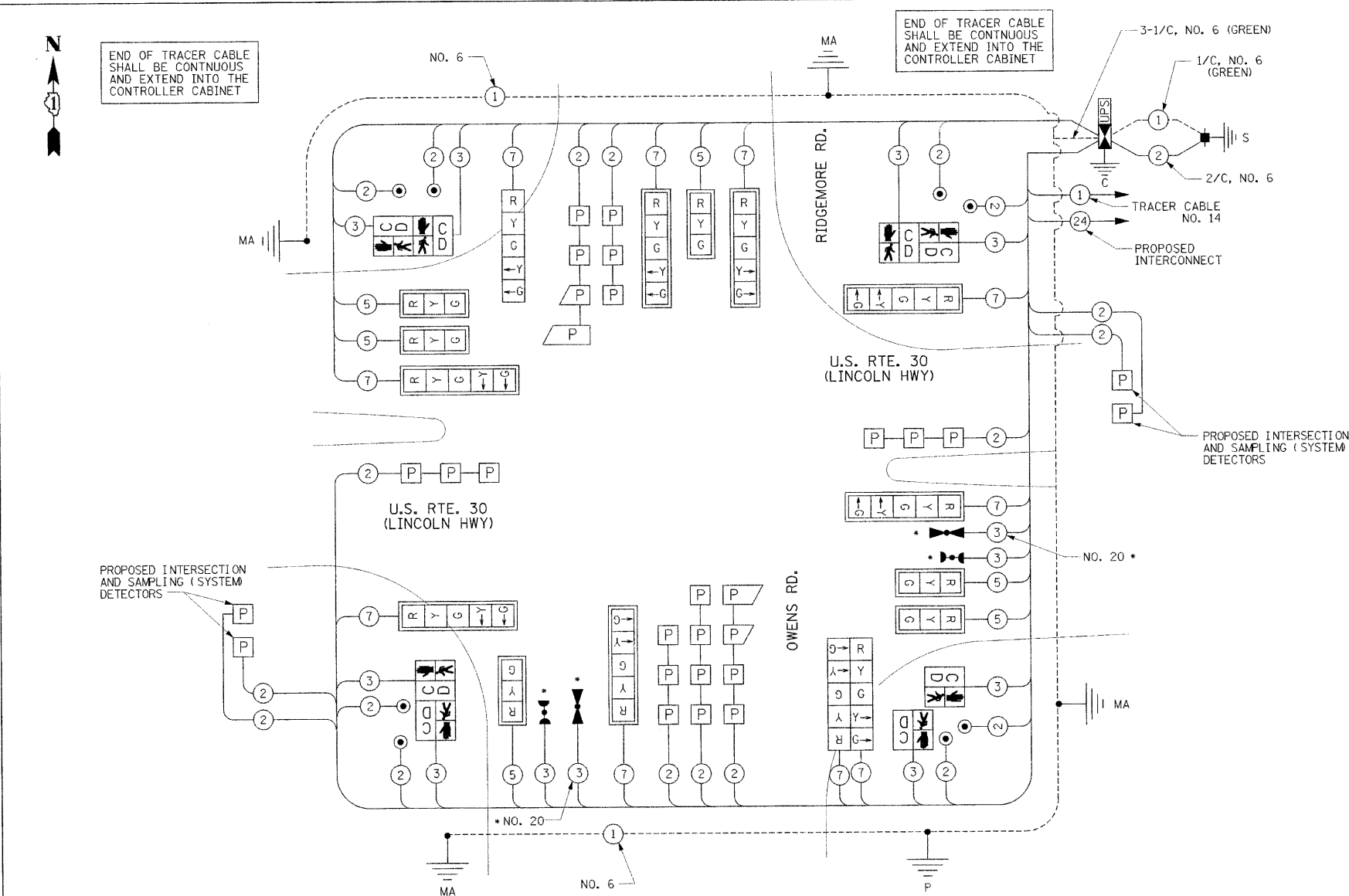
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SECTION.

REVISIONS	
NAME	DATE
A	ADDENDUM A 12-30-10

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION
 U.S. RTE. 30 (LINCOLN HIGHWAY) &
 RIDGEMORE ROAD / OWENS ROAD
 SCALE : 1" = 20'
 DATE : 10/12/2010
 DRAWN BY : RG
 DESIGNED BY : GB
 CHECKED BY : ZH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	574
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62479



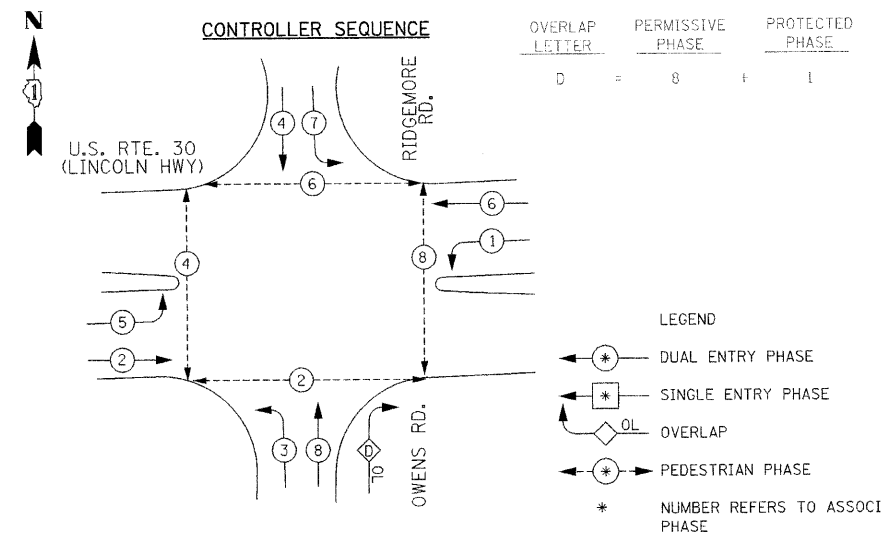
CABLE PLAN

SCHEDULE OF QUANTITIES

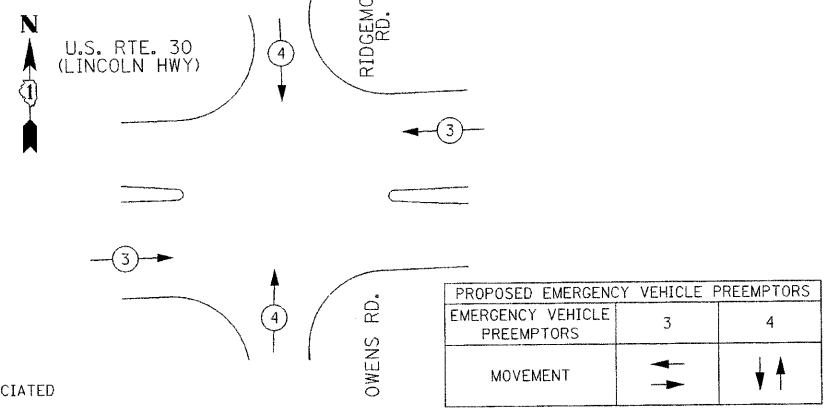
ITEM	UNIT	MOKENA QUANTITY	FPD QUANTITY*
SIGN PANEL - TYPE 1	50 FT	13.5	
SIGN PANEL - TYPE 2	50 FT	50	
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	477	
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	26	
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	25	
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	225	
CONDUIT PUSHED, 3" DIA., GALVANIZED STEEL	FOOT	24	
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	448	
HANDHOLE	EACH	4	
HEAVY-DUTY HANDHOLE	EACH	4	
DOUBLE HANDHOLE	EACH	2	
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	501	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1317	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1957	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1262	
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1915	
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2796	
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	37	
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	2	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 56 FT. AND 14 FT.	EACH	1	
STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 60 FT. AND 14 FT.	EACH	1	
CONCRETE FOUNDATION, TYPE A	FOOT	4	
CONCRETE FOUNDATION, TYPE C	FOOT	4	
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	26	
CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42	
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	7	
SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	3	
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	13	
INDUCTIVE LOOP DETECTOR	EACH	11	
* LIGHT DETECTOR	EACH		2
* LIGHT DETECTOR AMPLIFIER	EACH		1
PEDESTRIAN PUSH-BUTTON	EACH	8	
PREFORMED DETECTOR LOOP	FOOT	971	
FULL-ACTUATED CONTROLLER AND CABINET (SPECIAL)	EACH	1	
SERVICE INSTALLATION - POLE MOUNTED	EACH	1	
UNINTERRUPTIBLE POWER SUPPLY	EACH	1	
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	858	
* ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT		584

* 100% COST OF THE FRANKFORT FIRE PROTECTION DISTRICT

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	16	17	0.50	136	
(YELLOW)	16	25	0.25	100	
(GREEN)	16	15	0.25	60	
ARROW	20	12	0.10	24	
PED. SIGNAL	8	25	1.00	200	
CONTROLLER	1	100	1.00	100	
ILLUM. SIGN		25			
FLASHER					
ENERGY COSTS TO:				TOTAL =	620
ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY CONTACT: MARK ANDERSON					
PHONE: (815) 724-5988					
COMPANY: COM. ED.					



PHASE DESIGNATION DIAGRAM EMERGENCY VEHICLE PREEMPTION SEQUENCE



RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION CABLE PLAN, PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION, SCHEDULE OF QUANTITIES
NAME	DATE	
A ADDENDUM A	12-30-10	

US RTE. 30 AT RIDGEMORE / OWENS

SCALE: 1" = NTS DRAWN BY: RG
DATE: 10/12/2010 DESIGNED BY: GB
CHECKED BY: ZH

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	591
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62479

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	9718
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	1749
HANDHOLE	EACH	17
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	9718
TRANSCEIVER - FIBER OPTIC	EACH	3
DRILL EXISTING HANDHOLE	EACH	3
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	13680
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	13749

THE EXISTING MASTER CONTROLLER AT US 30 & WOLF RD NEEDS TO BE CHANGED OUT FROM "EAGLE" TO "ECONOLITE". THE FOLLOWING PAY ITEMS HAVE BEEN ADDED TO THE CONTRACT FOR THIS WORK:

85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EACH
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	1	EACH
88500100	INDUCTIVE LOOP DETECTOR	10	EACH
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT	1	EACH
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1	EACH

THE EXISTING MASTER CONTROLLER AT WOLF RD & MOKENA MARKET PLACE NEEDS TO BE CHANGED OUT FROM "EAGLE" TO "ECONOLITE". THE FOLLOWING PAY ITEMS HAVE BEEN ADDED TO THE CONTRACT FOR THIS WORK:

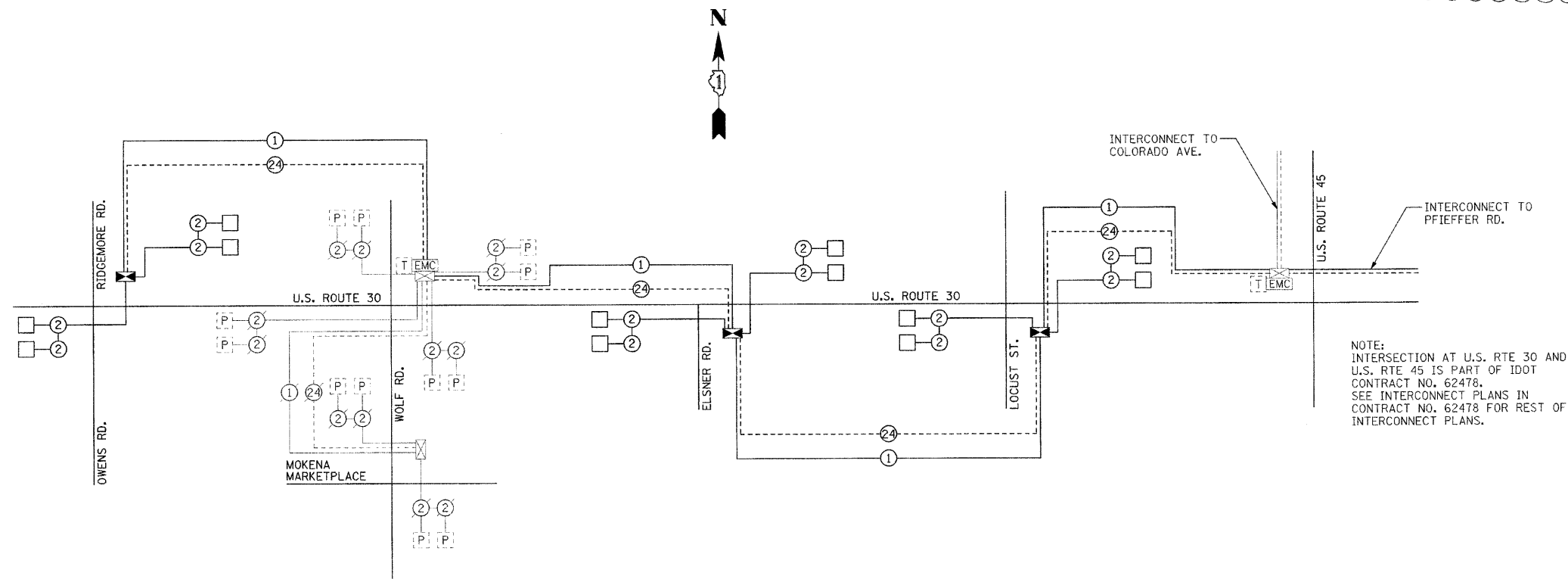
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	1	EACH
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	1	EACH
88500100	INDUCTIVE LOOP DETECTOR	10	EACH
89501410	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM PHASING UNIT	1	EACH
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	1	EACH

RELOCATE THE EXISTING EMERGENCY PRIORITY SYSTEM PHASING UNIT TO THE NEW TRAFFIC SIGNAL CABINET AT US 30 AND WOLF RD AND WOLF RD AND MOKENA MARKET PLACE.

REMOVAL NOTES

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR. SHALL REMAIN THE PROPERTY OF THE STATE AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE STATE'S TRAFFIC SIGNAL MAINTENANCE CONTRACTOR'S MAIN FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

1	EACH	CONTROLLER AND CABINET (COMPLETE)	FROM US 30 AND WOLF RD
1	EACH	CONTROLLER AND CABINET (COMPLETE)	FROM WOLF RD AND MOKENA MARKET PLACE



NOTE:
INTERSECTION AT U.S. RTE 30 AND U.S. RTE 45 IS PART OF IDOT CONTRACT NO. 62478. SEE INTERCONNECT PLANS IN CONTRACT NO. 62478 FOR REST OF INTERCONNECT PLANS.

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
A	1-5-11	INTERCONNECT SCHEMATIC U.S. RTE. 30 (LINCOLN HWY) RIDGEMORE RD. TO 195TH ST. SCALE : DATE : 10/12/2010 DRAWN BY : RG DESIGNED BY : GB CHECKED BY : ZH

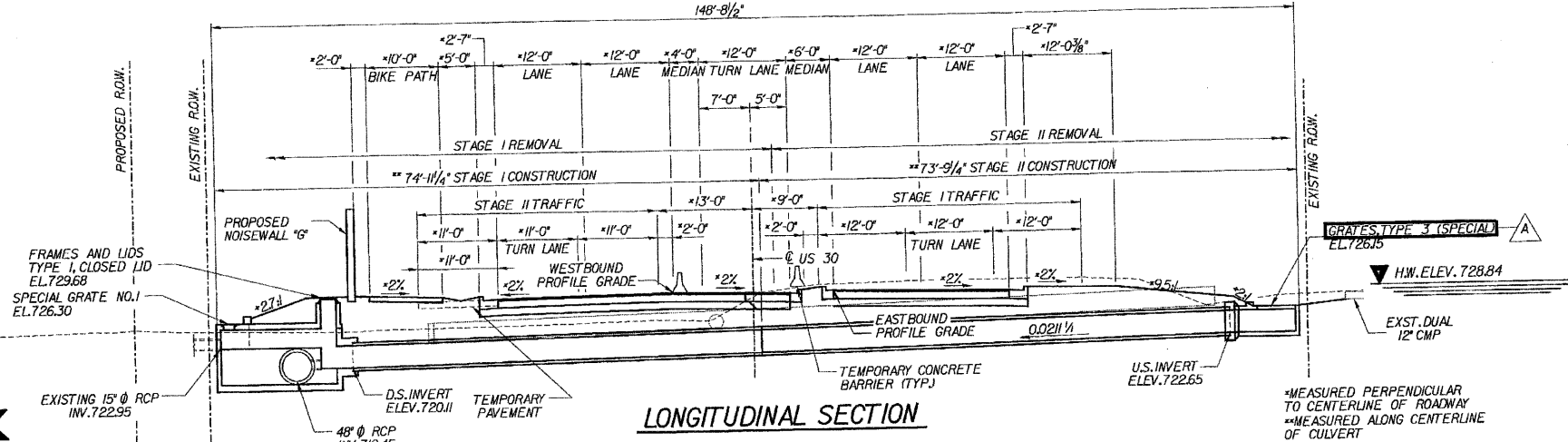
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353	*	WILL.	1,588	764
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	
* SECT. (12 & 13) WRS-3 * CONTRACT NO. 099-016				

SHEET NO. 1
12 SHEETS

BENCH MARK: BM 241
STA. 382+66.15, 87.43' RT. ELEV. 734.058
MARK ON THE SOUTHERLY FLANGE BOLT OF
SECOND HYDRANT EAST OF WASHINGTON
PARKWAY, SOUTH OF ROUTE 30.

EXISTING STRUCTURE: NO. UNKNOWN
24" Ø X 108' REINFORCED CONCRETE PIPE
NO SALVAGE.

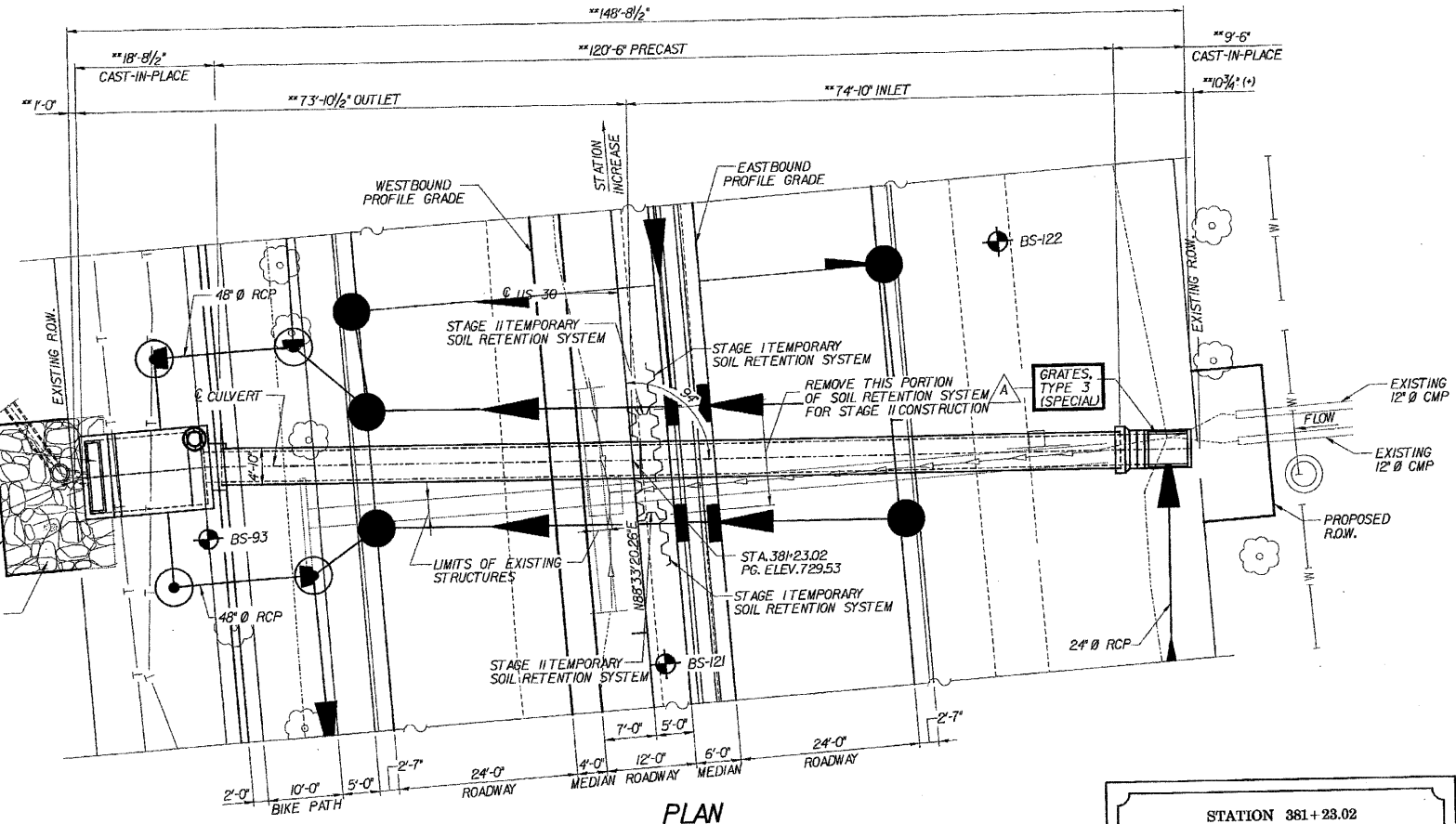
PROPOSED IMPROVEMENTS:
EXISTING STRUCTURE TO BE REMOVED AND
REPLACED WITH A SINGLE 4'-0" X 3'-0" BOX
CULVERT IN STAGES MAINTAINING TWO LANES
OF TRAFFIC.



FRAMES AND LIDS
TYPE 1, CLOSED LID
EL. 729.68
SPECIAL GRATE NO. 1
EL. 726.30

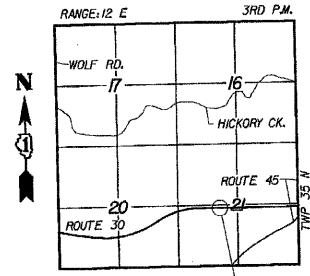
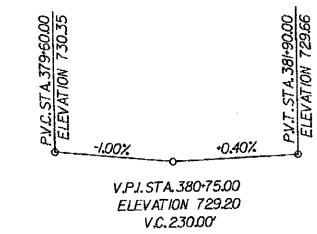
GRADES, TYPE 3 (SPECIAL)
EL. 726.15
H.W. ELEV. 728.84

* MEASURED PERPENDICULAR
TO CENTERLINE OF ROADWAY
* MEASURED ALONG CENTERLINE
OF CULVERT



TOTAL BILL OF MATERIALS

ITEM	UNIT	QUANTITY
STONE RIPRAP, CLASS A6	TON	50
FILTER FABRIC	SQ. YD.	40
REMOVAL OF EXISTING STRUCTURES NO. 8	EACH	1
REINFORCEMENT BARS	POUND	5,240
NAME PLATES	EACH	1
CONCRETE BOX CULVERTS	CU. YD.	25.3
PRECAST CONCRETE BOX CULVERT 4' X 3'	FOOT	120.5
FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	1
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.	295
SPECIAL GRATE NO. 1	EACH	1
GRADES, TYPE 3 (SPECIAL)	EACH	1



LOCATION SKETCH

WATERWAY INFORMATION

DRAINAGE AREA (SQ. MI.) - 0.061		LOW GRADE ELEV. (FEET) EXIST - 731.00 @ STA. 385+74				MAX. RECORDED H.W.E. -			
		PROPOSED - 729.49 @ STA. 385+75				EXISTING		PROPOSED	
FLOOD	FREQ. YR.	DISCHARGE C.F.S.	WATERWAY OPENING EXISTING (square feet)	WATERWAY OPENING PROPOSED (square feet)	NATURAL H.W.E. EXISTING U/S Face	NATURAL H.W.E. PROPOSED U/S Face	CREATED HEAD (feet)	HEADWATER ELEVATION EXISTING	HEADWATER ELEVATION PROPOSED
OVERTOPPING (EX.)	10	21	4.62	12.00	728.35	728.84	0.25	728.60	726.39
DESIGN	44	48	4.91	12.00	728.35	728.84	2.65	731.00	726.86
BASE	50	53	4.91	12.00	728.35	728.84	2.42	730.77	726.86
OVERTOPPING (Pr.)	100	103	4.91	12.00	728.35	728.84	2.74	731.09	728.42
MAX. CALC.	130	126	4.91	12.00	728.35	728.84	0.65	729.49	729.49
	500	446	4.91	12.00	728.35	728.84	2.96	731.31	730.03

STATION 381+23.02
BUILT BY
STATE OF ILLINOIS
FAP 353 SECT. (12 & 13) WRS-3
LOADING HS20
STR. NO. 099-C016

NAME PLATE

NOTE: SEE STANDARD DRAWING 515001 FOR NAME PLATE DETAILS.

REVISIONS	
NAME	DATE
ADDENDUM A	01/05/11

DLZ 85 W. Algonquin Rd., Ste. 220
Arlington Heights, IL 60005

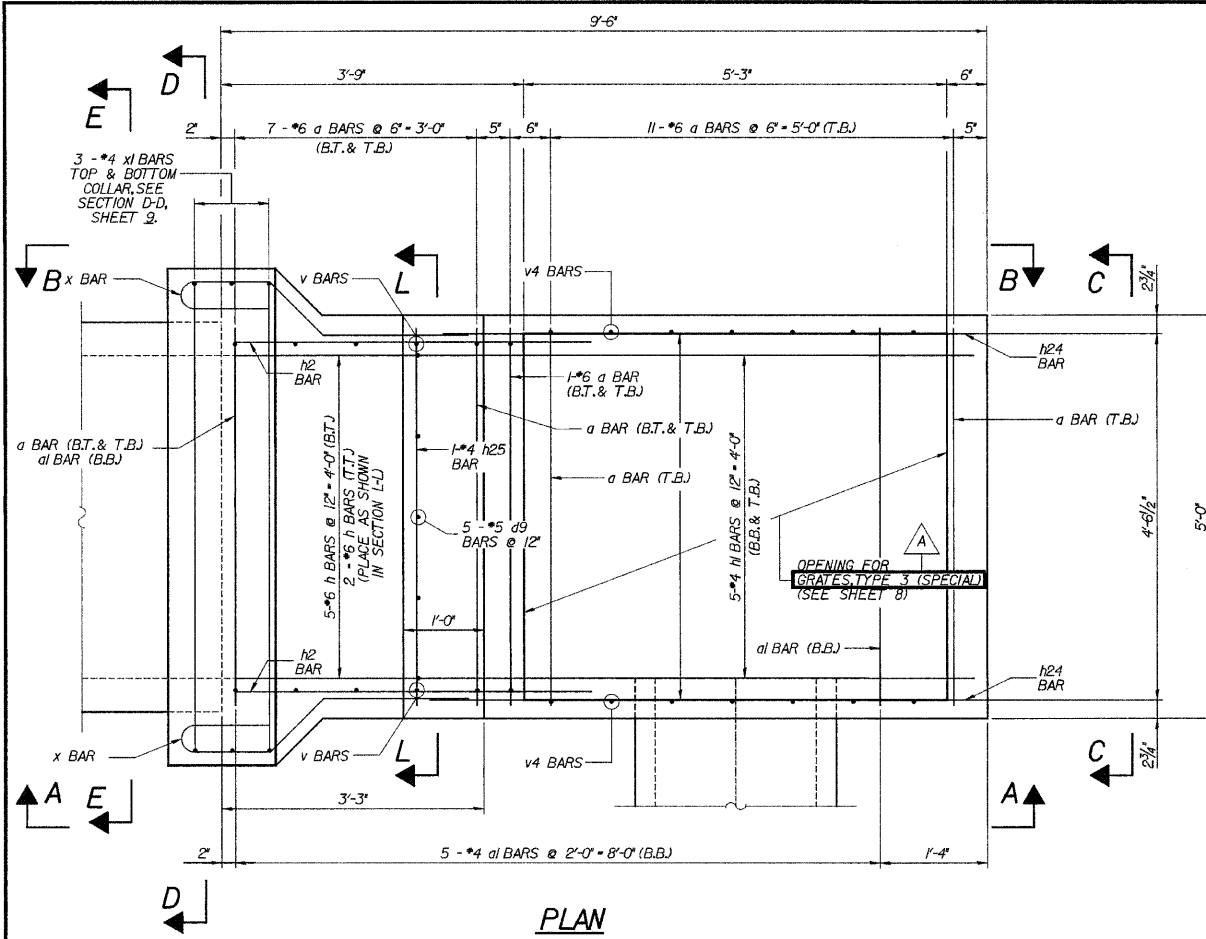
CULVERT 'K'
GENERAL PLAN
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) WRS-3
STATION 381+23.02
WILL COUNTY
STRUCTURE NUMBER 099-C016

WAYNE A. TRUAX
REGISTERED STRUCTURAL ENGINEER
081-008429
STATE OF ILLINOIS
1-3-11
April 11-30-12

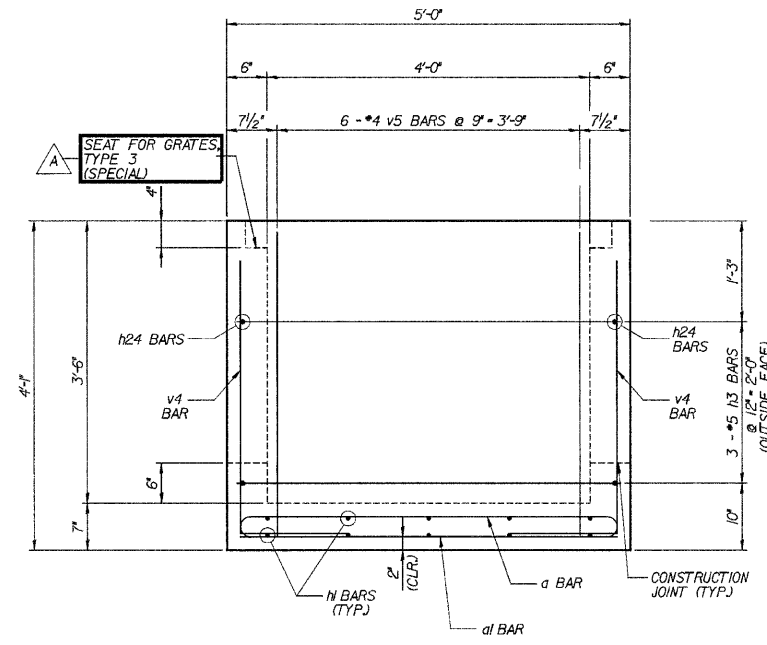
DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353	*	WILL	1286	707
FED. ROAD DIST.	ILLINOIS	FED. AID PROJECT		

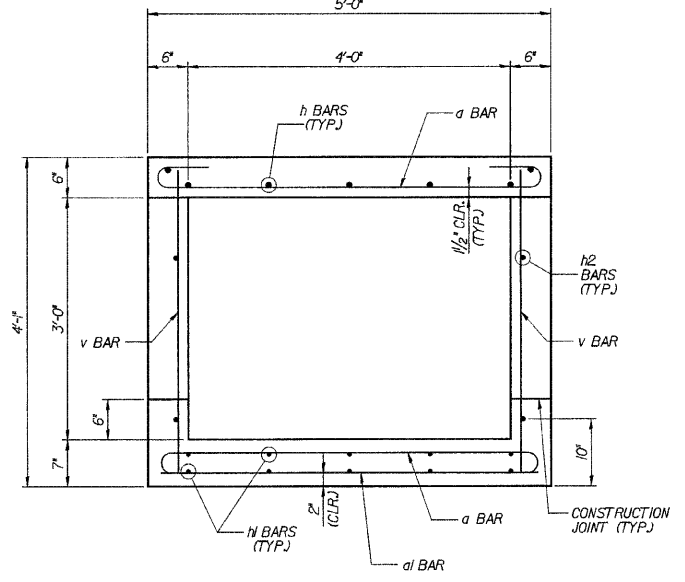
* SECT. 12 & 13 WRS-3
* CONTRACT NO. 62479



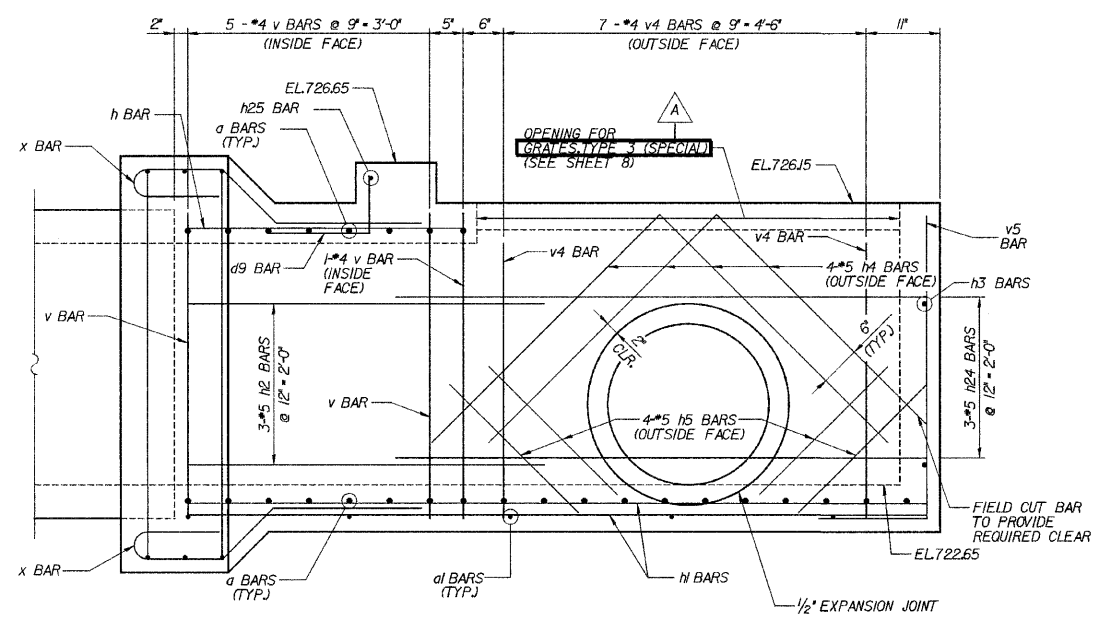
PLAN



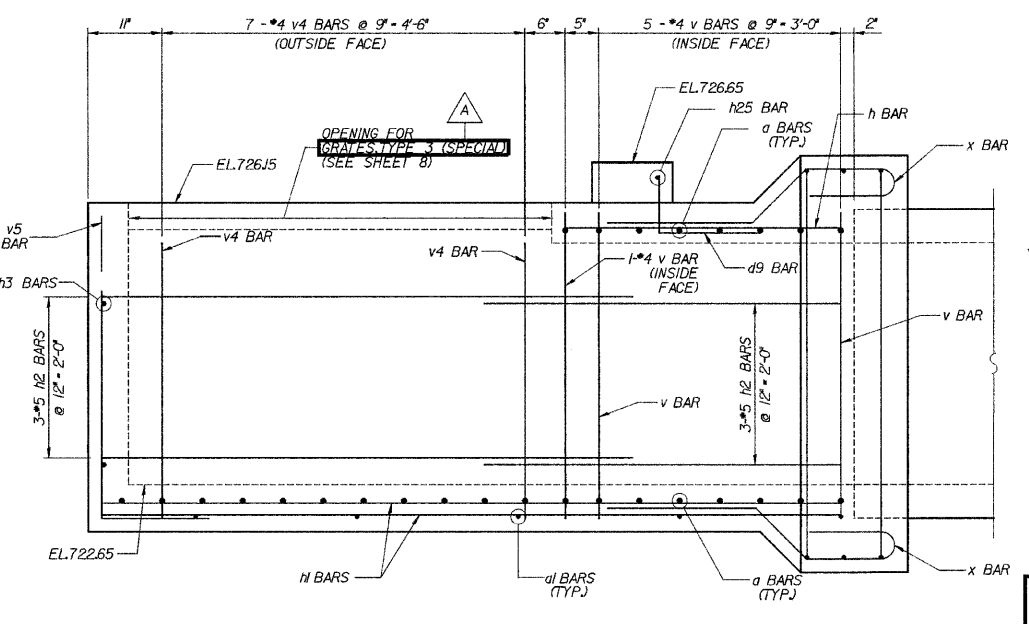
VIEW C-C



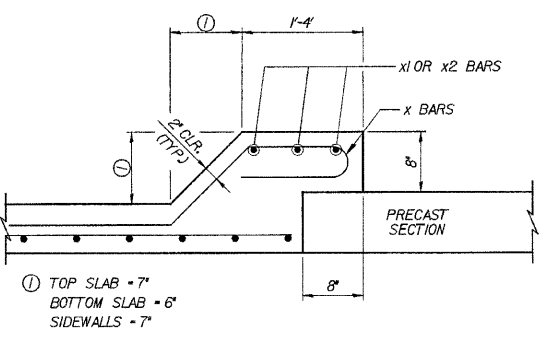
SECTION L-L



VIEW A-A



VIEW B-B



PRECAST TO CAST-IN-PLACE
CONNECTION COLLAR

DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

NOTE:
FIELD CUT a, h, & v24 BARS TO
FIT AROUND OPENING FOR PIPE.

LEGEND

T.T. - TOP OF TOP SLAB
B.T. - BOTTOM OF TOP SLAB
T.B. - TOP OF BOTTOM SLAB
B.B. - BOTTOM OF BOTTOM SLAB

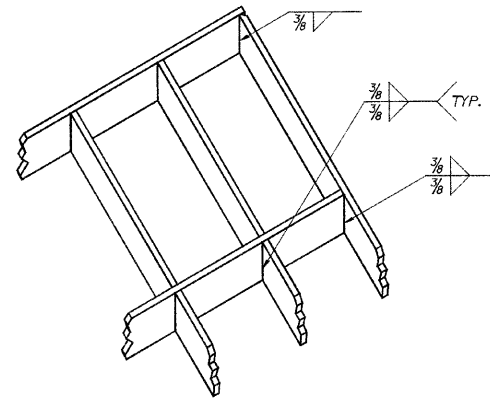
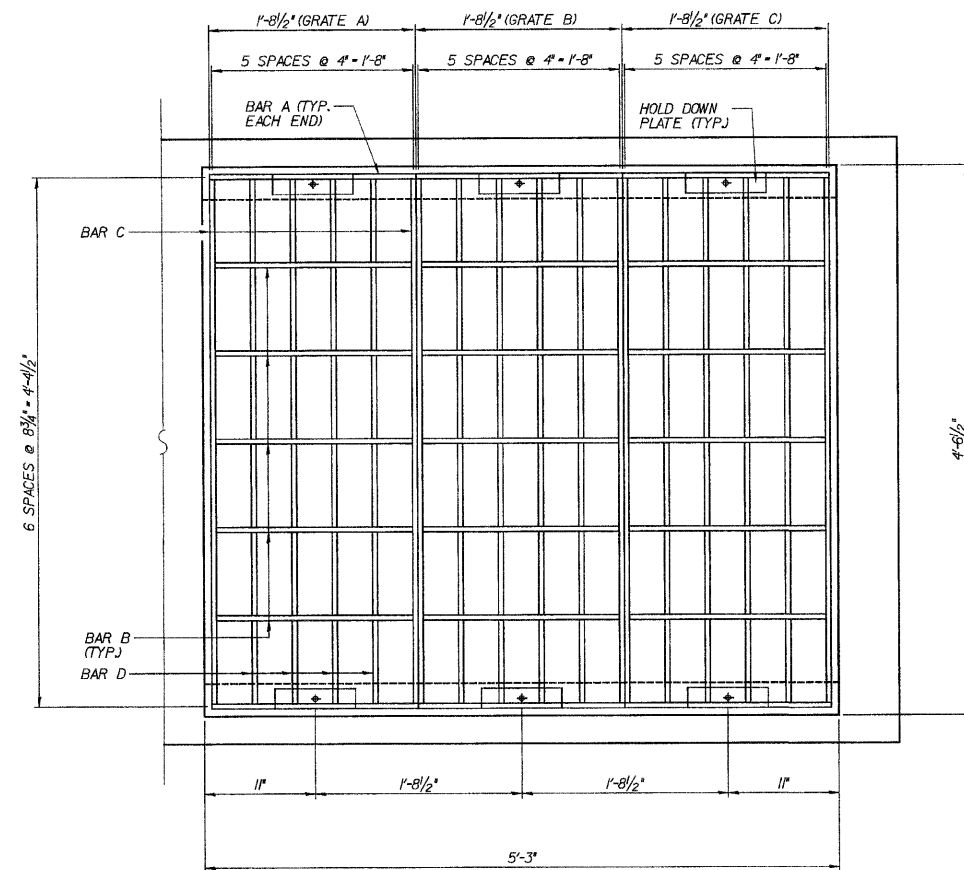


85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005

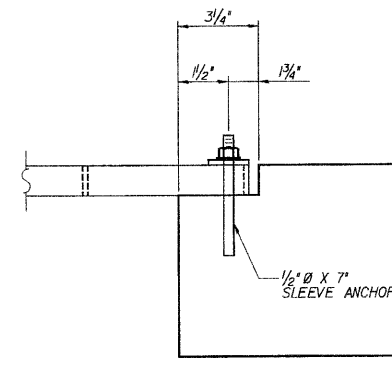
REVISIONS	
NAME	DATE
ADDENDUM A	01/05/11

CULVERT 'K'
INLET PLAN & ELEVATION
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION 12 & 13 WRS-3
STATION 38+23.02
WILL COUNTY
STRUCTURE NUMBER 099-C016

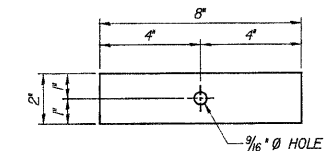
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 353	*	WILL.	1555	718A
FED. ROAD DIST.		ILLINOIS	FED. AID PROJECT	
* SECT. 12 & 13) WRS-3				
* CONTRACT NO. 65479				



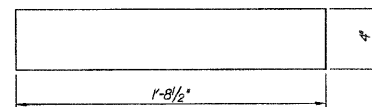
ISOMETRIC VIEW OF
FRAME AND GRATE



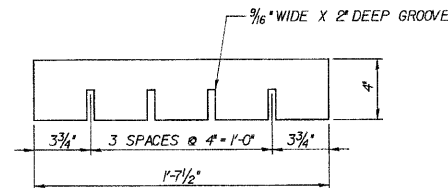
SLEEVE ANCHOR
1/2" Ø x 7"
(2-EA. GRATE, 6 TOTAL)



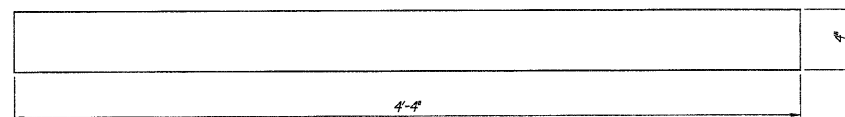
HOLD DOWN PLATE
8" x 2" x 1/4"
(2-EA. GRATE, 6 TOTAL)



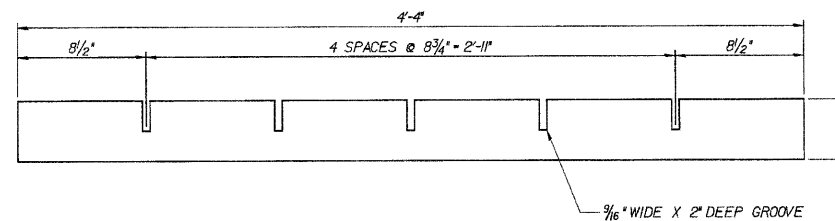
BAR A
1'-8 1/2" x 4" x 1/2"
(2-EA. GRATE, 6 TOTAL)



BAR B
1'-7 1/2" x 4" x 1/2"
(5-EA. GRATE, 15 TOTAL)



BAR C
4'-4" x 4" x 1/2"
(2-EA. GRATE, 6 TOTAL)



BAR D
4'-4" x 4" x 1/2"
(4-EA. GRATE, 12 TOTAL)

NOTES

- FABRICATOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO FABRICATION
- ALL STEEL SHALL BE GALVANIZED AFTER FABRICATION AND SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M113.
- ALL STRUCTURAL STEEL SHALL BE A36 STEEL, F_y=36,000psi. STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH SECTION 505 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- FIELD WELDING IS PROHIBITED. ALL WELDING AND WELDING MATERIALS SHALL BE IN ACCORDANCE WITH CURRENT AMERICAN WELDING SOCIETY (AWS) SPECIFICATIONS.
- SEE SPECIAL PROVISION FOR 'SPECIAL GRATE NO.3'
- IF FABRICATOR CHOOSES TO ALTER GRATE DESIGN, SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

DLZ 85 W. Algonquin Rd. Ste. 220
Arlington Heights IL 60005
DLZ Engineering, Inc.

CULVERT 'K'
GRATES, TYPE 3 (SPECIAL)
U.S. ROUTE 30 (LINCOLN HIGHWAY)
F.A.P. 353 (U.S. 30)
SECTION (12 & 13) WRS-3
STATION 381+23.02
WILL COUNTY
STRUCTURE NUMBER 099-C016

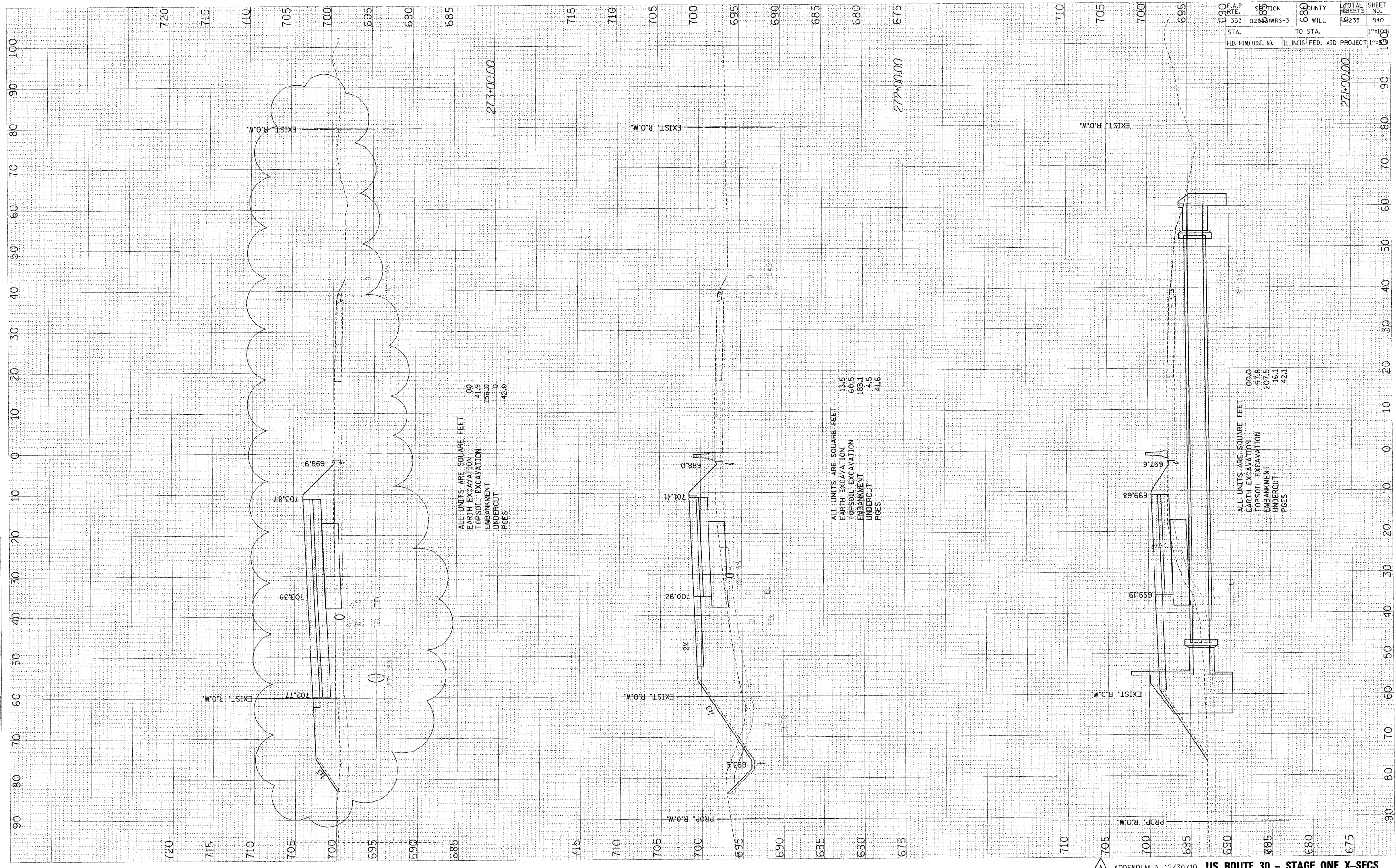
DESIGNED	ASP
CHECKED	CDS
DRAWN	BEM
CHECKED	ASP

REVISIONS	
NAME	DATE
ADDENDUM A	01/05/11

STATE	FED. AID PROJECT NO.	COUNTY	TOTAL SHEETS	SHEET NO.
ILLINOIS	1128	WILL	235	940
SECTION		PROJECT		
WRS-3		ILLINOIS FED. AID PROJECT		
STA.		TO STA.		
273+00.00		277+00.00		

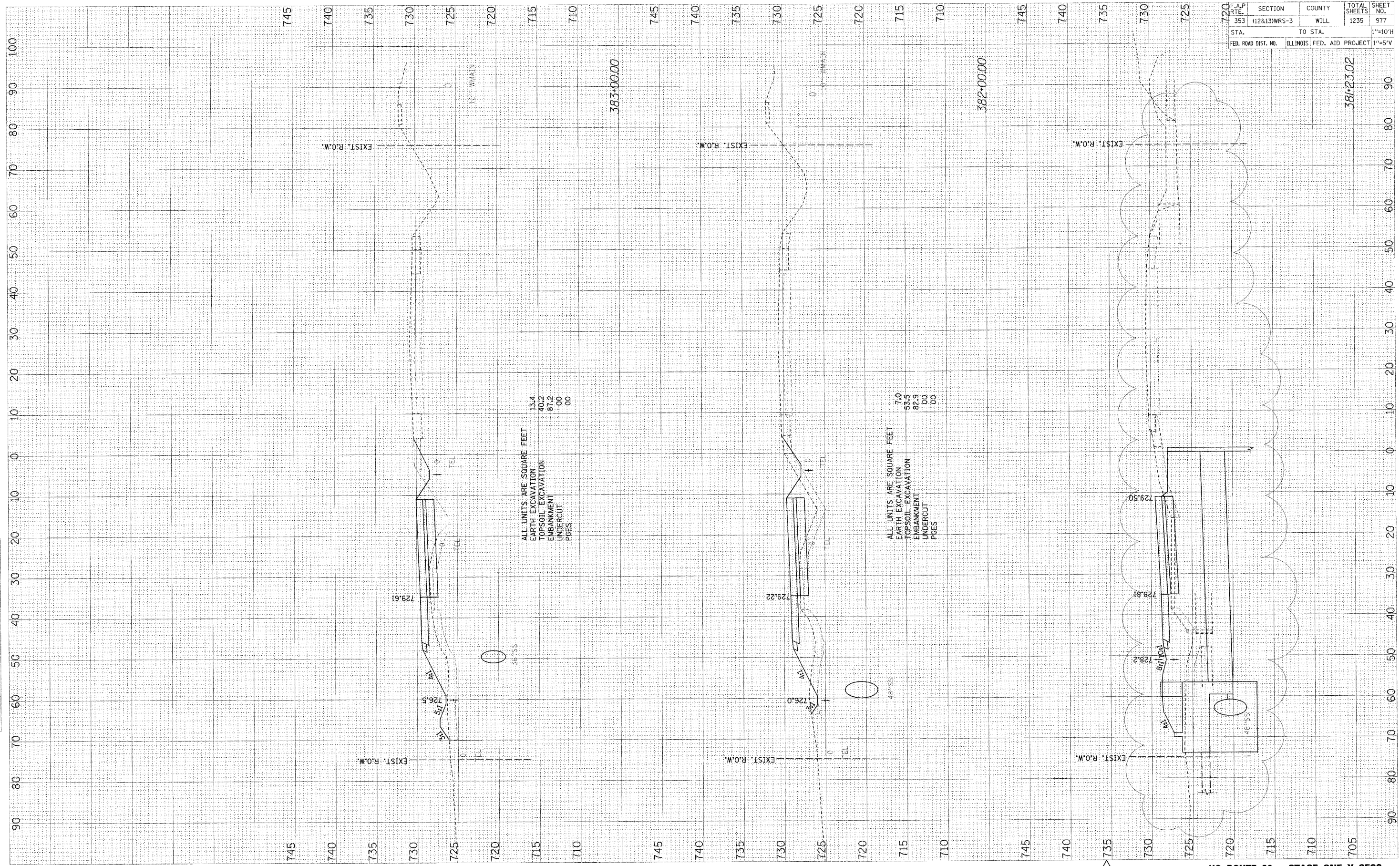
DATE	BY
DATE	BY

DATE	BY
DATE	BY



FINAL SURVEY
 SURVEYED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 NOTE BOOK NO. _____
 AREA CHECKED _____

ORIGINAL SURVEY
 SURVEYED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 NOTE BOOK NO. _____
 AREA CHECKED _____



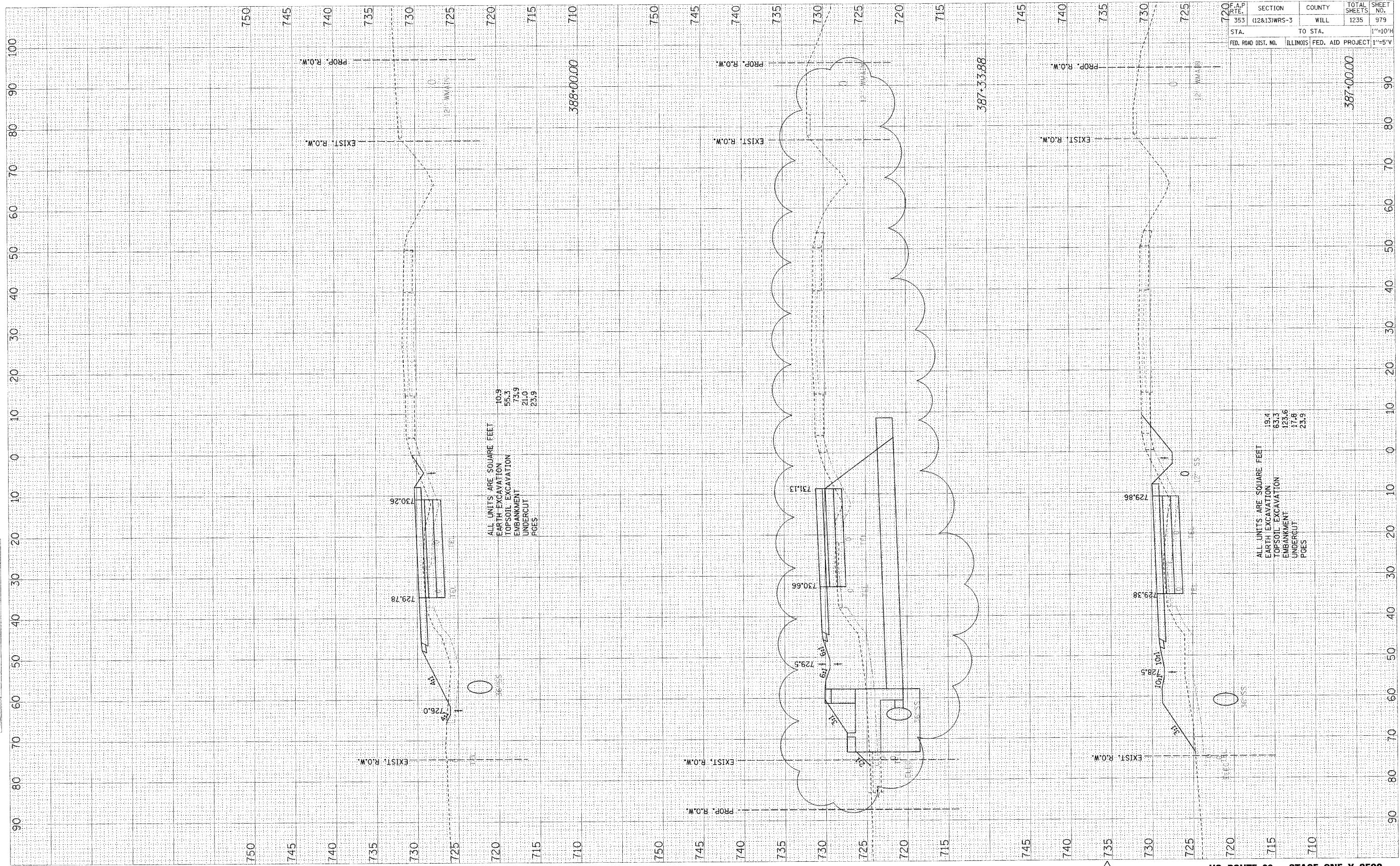
ALL UNITS ARE SQUARE FEET
 EARTH EXCAVATION 13.4
 TOPSOIL EXCAVATION 40.2
 EMBANKMENT 81.2
 UNDERCUT .00
 PSES .00

ALL UNITS ARE SQUARE FEET
 EARTH EXCAVATION 7.0
 TOPSOIL EXCAVATION 53.5
 EMBANKMENT 82.9
 UNDERCUT .00
 PSES .00

F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	977
STA.	TO STA.		1"=10'H	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		1"=45'V	

FINAL SURVEY PLOTTED AREAS CHECKED
 DATE BY

ORIGINAL SURVEY PLOTTED AREAS CHECKED
 DATE BY



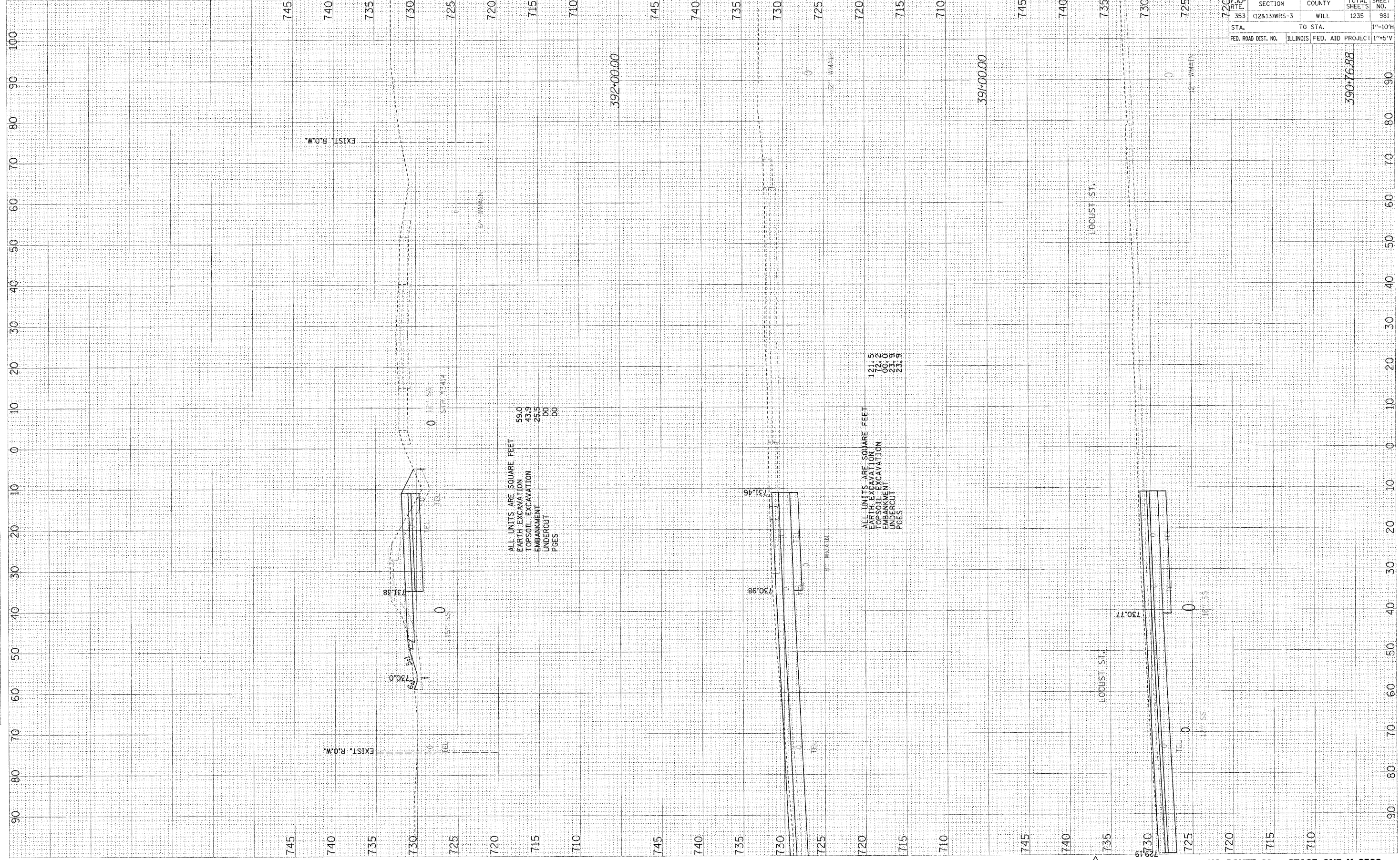
ALL UNITS ARE SQUARE FEET
 EARTH EXCAVATION 10.9
 TOPSOIL EXCAVATION 55.3
 EMBANKMENT 73.9
 UNDERCUT 21.0
 PAGES 23.9

ALL UNITS ARE SQUARE FEET
 EARTH EXCAVATION 19.4
 TOPSOIL EXCAVATION 63.3
 EMBANKMENT 123.6
 UNDERCUT 17.8
 PAGES 23.9

F.A.P. DATE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	979
STA.	TO STA.		1"=10'H	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		1"=5'V	

ORIGINAL SURVEY DATE
 SURVEYED BY
 TEMPLATE NO. DATE
 AREAS CHECKED

FINAL SURVEY DATE
 CHECKED BY
 TEMPLATE NO. DATE
 AREAS CHECKED



F.A.P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
353	(12&13)WRS-3	WILL	1235	981
STA.	TO STA.		1"=10'H	
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		1"=5'V	