

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	1
ILLINOIS CONTRACT NO. 62F04				

* 43 + 3 = 46 TOTAL SHEETS

D-91-203-17

FOR INDEX OF SHEETS AND STANDARDS, SEE SHEET NO. 2

PROPOSED
HIGHWAY PLANS

FAP ROUTE 330 (US ROUTE 45)
AT I-80
SECTION: 104-SLP-T
PROJECT: NHPP-5JAW(527)
EMBANKMENT STABILIZATION
WILL COUNTY
C-91-203-17

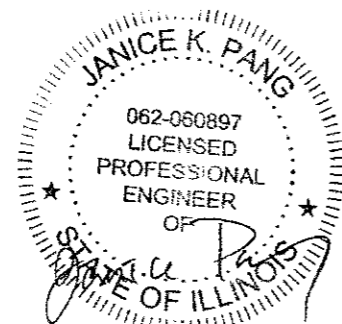
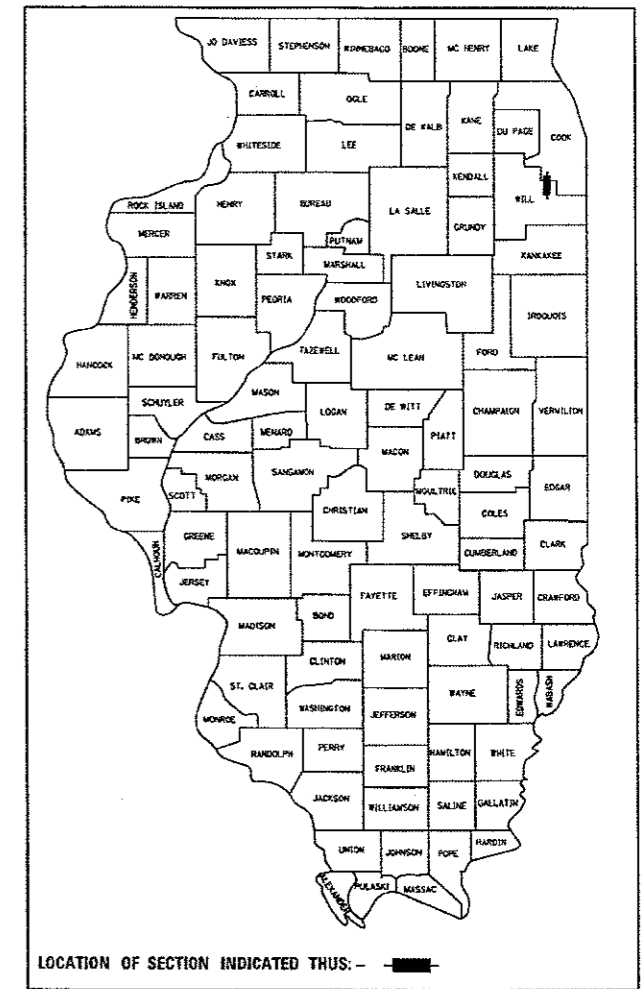
THIS PROJECT IS LOCATED
WITHIN VILLAGE OF MOKENA.

TRAFFIC DATA

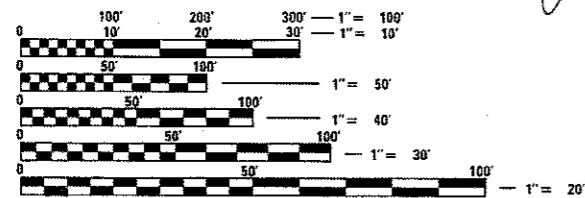
US ROUTE 45:

ADT (2015) = 35,700

POSTED SPEED LIMIT = 45 MPH

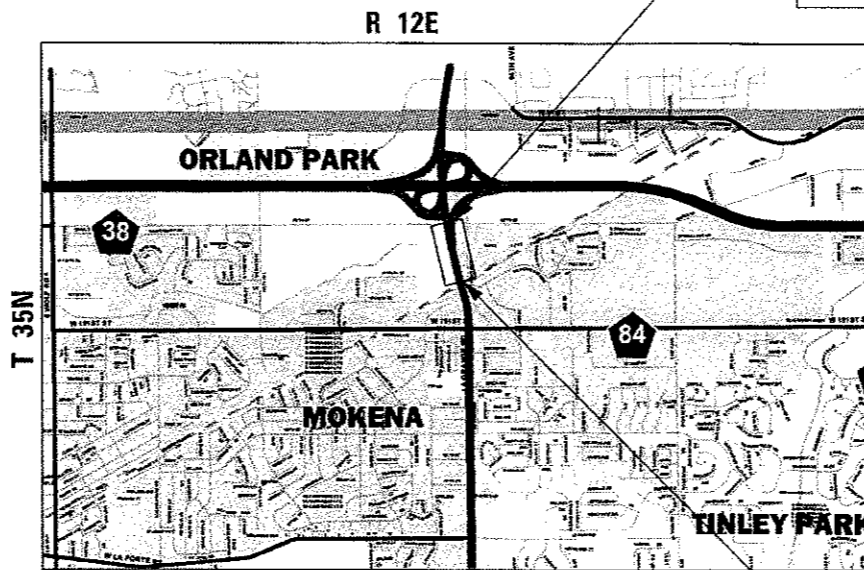


DATE SIGNED: 12/8/17
EXP. DATE: 11/30/19

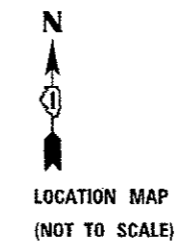


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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



PROJECT ENDS
STA. 113+17 (US 45)
STA. 208+00 (RAMP D)



PROJECT BEGINS
STA. 100+68 (US 45)
STA 200+00 (RAMP D)

FRANKFORT TOWNSHIP
GROSS LENGTH = 1,249 FT. = 0.24 MILES
NET LENGTH = 1,249 FT. = 0.24 MILES

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
SERVICE | SOLUTIONS | COMMITMENT

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED ~~December 8, 2017~~
Anthony J. Quigley / *AS*
REGIONAL ENGINEER
Feb 2 2018
Paul P. Ch...
ENGINEER OF DESIGN AND ENVIRONMENT
Feb 2 2018
Paul P. Ch...
DIRECTOR OF PROGRAM DEVELOPMENT 2

PROJECT MANAGER: FAWAD AQUEEL, P.E. (847) 705-4247
PROJECT ENGINEER: J. ALAIN MIDY, P.E. (847) 221-3056

CONTRACT NO. 62F04

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3-8	SUMMARY OF QUANTITIES
9	TYPICAL SECTIONS
10-10A	ALIGNMENT, TIES, AND BENCHMARKS
11	REMOVAL PLAN
12	STABILIZATION AND REPAIR PLAN
13	PROFILE PLAN
14-15	MAINTENANCE OF TRAFFIC
16	EROSION AND SEDIMENT CONTROL PLAN
17	DRAINAGE PLAN
18	PAVEMENT MARKING PLAN
19	LANDSCAPING PLAN
20	CURB TRANSITION DETAIL
21	TRAFFIC SIGNAL INTERCONNECT CONDUIT AND CABLE PLAN
21A-21B	TEMPORARY AND PROPOSED ELECTRICAL PLANS
22-24	BORING LOGS
25-30	DISTRICT DETAILS
31-43	US 45 CROSS SECTIONS

HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	JOINT DETAILS
483001-05	PCC SHOULDER
542401-03	METAL END SECTION FOR PIPE CULVERT
601001-05	PIPE UNDERDRAINS
610001-08	SHOULDER INLET WITH CURB
630001-12	STEEL PLATE BEAM GUARDRAIL
630201-07	PCC / HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 M) AWAY
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS >= 45 MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS >= 45 MPH TO 55 MPH
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS <= 40 MPH
701901-07	TRAFFIC CONTROL DEVICES
704001-08	TEMPORARY CONCRETE BARRIER
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
814001-03	HANDHOLES

DISTRICT ONE STANDARDS

BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-08	ENTRANCE AND EXIT RAMP CLOSURE DETAILS
TC-11	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS & SYMBOLS
TC-17	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

GENERAL NOTES

1. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND WILL COUNTY.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
5. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
6. THE CONTRACTOR WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF ALL SOIL EROSION CONTROL DURING CONSTRUCTION.
7. THE CONTRACTOR SHALL CHECK ALL ESC MEASURES WEEKLY AND AFTER EACH RAINFALL, 0.5 INCHES OR GREATER IN A 24 HOUR PERIOD, OR EQUIVALENT SNOWFALL. ADDITIONALLY DURING WINTER MONTHS, ALL MEASURES SHOULD BE CHECKED BY THE CONTRACTOR AFTER EACH SIGNIFICANT SNOWMELT.
8. ALL ESC MEASURES WILL BE MAINTAINED IN ACCORDANCE WITH THE IDOT EROSION AND SEDIMENT CONTROL FIELD GUIDE FOR CONSTRUCTION INSPECTION.
9. WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH CONSTRUCTION, NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
10. THE CONTRACTOR IS RESPONSIBLE FOR RETURNING ALL AREAS AFFECTED BY EQUIPMENT OR LABORERS TO EXISTING CONDITIONS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL NEW WORK UNTIL COMPLETION OF THIS CONTRACT.
11. ALL EXCESS MATERIAL (BROKEN CONCRETE, CULVERT PIPE, WASTE ROADWAY EXCAVATION, SURPLUS MATERIAL FROM SEWER TRENCHES, ETC.) SHALL BE LEGALLY DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO SELECT DUMP SITES AND OBTAIN PERMISSION AND ALL NECESSARY PERMITS TO USE SUCH DUMP SITES.
12. THE RESIDENT ENGINEER SHALL CONTACT ERIC CAMPOS, IDOT'S AREA TRAFFIC ENGINEER FOR THE SOUTHWEST AREA, VIA E-MAIL AT ERIC.CAMPOS@ILLINOIS.GOV AND, OR AT (815) 485-6475, A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
13. THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 704-4155 AND THE DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF THREE BUSINESS DAYS BEFORE BEGINNING WORK.
14. ALL LOCATIONS PLANNED FOR STOCKPILING OF MATERIALS WITHIN THE PROJECT LIMITS MUST BE APPROVED BY THE ENGINEER.

SUMMARY OF EARTHWORK

LOCATION	CONSTRUCTION STAGE	EARTH EXCAVATION 20200100 (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (5%)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE(-)	FURNISHED EXCAVATION 20400800 (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL 20201200 (CU YD)	TOPSOIL EXCAVATION AND PLACEMENT 21101505 (CU YD)	REMOVE EXISTING RIPRAP X0323265 (SQ YD)
US ROUTE 45	WEST EMBANKMENT	4745	4507	7964	-3457	3457	385.8	257.2	900
	EAST EMBANKMENT	5517	5241	6675	-1434	1434	348.6	232.4	100
		10,262			-4891	4891	734.4	489.6	1000

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PLOT DATE = 12/14/2017
PLOT SCALE = 48.0000' / 1" = 1'



USER NAME = jpaeng	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 48.0000' / 1" = 1'	CHECKED -	REVISED -
PLOT DATE = 12/14/2017	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 45 AT I-80
INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	2
				CONTRACT NO. 62F04
ILLINOIS FED. AID PROJECT				

#PLOTBVL*

#PENTBLS*

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE ELECTRICAL
				0006	0021	0043
			URBAN			
20200100	EARTH EXCAVATION	CU YD	10270	10270		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	1210	1210		
20400800	FURNISHED EXCAVATION	CU YD	4891	4891		
20700220	POROUS GRANULAR EMBANKMENT	CU YD	100	100		
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	490	490		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	8174	8174		
25000210	SEEDING, CLASS 2A	ACRE	0.54	0.54		
25000310	SEEDING, CLASS 4	ACRE	2.06	2.06		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	234	234		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	234	234		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	234	234		
25100630	EROSION CONTROL BLANKET	SQ YD	12563	12563		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1040	1040		
28000305	TEMPORARY DITCH CHECKS	FOOT	60	60		

14

* = SPECIALTY ITEMS

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = jpaing	DESIGNED -	REVISED -
PLDT SCALE = 40.0000' / 1"	DRAWN -	REVISED -
PLDT DATE = 12/14/2017	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US ROUTE 45 AT I-80 SUMMARY OF QUANTITIES			
SCALE:	SHEET 1	OF 6 SHEETS	STA. TO STA.

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 3
CONTRACT NO. 62F04			ILLINOIS FED. AID PROJECT	

#PLOTDRW1*

#PENTELS*

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE ELECTRICAL
				0006	0021	0043
			URBAN			
28000400	PERIMETER EROSION BARRIER	FOOT	1963	1963		
28001100	TEMPORARY EROSION CONTROL BLANKET	SQ YD	12563	12563		
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	1893	1893		
35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	104	104		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	912	912		
44004250	PAVED SHOULDER REMOVAL	SQ YD	1904	1904		
48300100	PORTLAND CEMENT CONCRETE SHOULDERS 6"	SQ YD	438	438		
48300510	PORTLAND CEMENT CONCRETE SHOULDERS 10 1/2"	SQ YD	1293	1293		
54262712	METAL FLARED END SECTIONS 12"	EACH	7	7		
60100945	PIPE DRAINS 12"	FOOT	538	538		
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	75	75		
60108204	PIPE UNDERDRAINS, TYPE 2, 4"	FOOT	3028	3028		
60600605	CONCRETE CURB, TYPE B	FOOT	133	133		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	15	15		

= SPECIALTY ITEMS

CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

USER NAME = jpong
 PLOT SCALE = 40.0000 ' / in.
 PLOT DATE = 12/14/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45 AT I-80
SUMMARY OF QUANTITIES

SCALE: SHEET 2 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	4
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

#PLDRI*

#PENTBLE*

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE ELECTRICAL
				0006	0021	0043
61000050	CONCRETE THRUST BLOCKS	EACH	7	7		
61000115	TYPE E INLET BOX, STANDARD 610001	EACH	4	4		
61000225	TYPE F INLET BOX, STANDARD 610001	EACH	3	3		
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1618	1618		
63200310	GUARDRAIL REMOVAL	FOOT	1618	1618		
63302700	REMOVE AND REERECT TRAFFIC BARRIER TERMINALS, TYPE 6	EACH	1	1		
66201120	CONCRETE SHOULDER CURB	FOOT	1496	1496		
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2180	2180		
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1		
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	1	1		
67100100	MOBILIZATION	LSUM	1	1		
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	1		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	2300	2300		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1805	1805		

* = SPECIALTY ITEMS



USER NAME = jpong
PLOT SCALE = 48.0000' / in.
PLOT DATE = 12/14/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45 AT I-80
SUMMARY OF QUANTITIES
SCALE: SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	5
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F04	

#P.TDRVL.S

#PENTBL.S*

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE ELECTRICAL
				0006	0021	0043
			URBAN			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	380	380		
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1805	1805		
70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2		
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1		
* 72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	1	1		
* 78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	3032	3032		
* 78008240	POLYUREA PAVEMENT MARKING TYPE I - LINE 8"	FOOT	755	755		
* 78008250	POLYUREA PAVEMENT MARKING TYPE I - LINE 12"	FOOT	420	420		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	5	5		
* 78100300	REPLACEMENT REFLECTOR	EACH	32	32		
* 78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	12	12		
* 78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	145	145		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	32	32		
* 81028200	UNDERGROUND CONDUIT, GALVANIZED, 2"	FOOT	600		600	

* = SPECIALTY ITEMS



USER NAME = jpang
PLOT SCALE = 48,0000' / in.
PLOT DATE = 12/14/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 45 AT I-80
SUMMARY OF QUANTITIES**

SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	6
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F04	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE ELECTRICAL
				0006	0021	0043
			URBAN			
* 81400200	HEAVY-DUTY HANDHOLE	EACH	1		1	
* 81603080	UNIT DUCT, 600V, 3-1/C NO. 2, 1/C NO. 4 GROUND, (XLP-TYPE USE), 1-1/4" DIA., POLYETHYLENE	FOOT	800			800
* 81800300	AERIAL CABLE, 3-1/C NO. 2 WITH MESSENGER WIRE	FOOT	800			800
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2	
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3300		3300	
* 87900200	DRILL EXISTING HANDHOLE	EACH	2		2	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	6600		6600	
* 89502380	REMOVE EXISTING HANDHOLE	EACH	1		1	
X0321750	REMOVE TEMPORARY CONCRETE BARRIER, STATE OWNED	FOOT	230	230		
* X0322141	REMOVE TEMPORARY WOOD POLE	EACH	5			5
X0323265	REMOVE EXISTING RIPRAP	SQ YD	1000	1000		
* X0327236	TEMPORARY WOOD POLE 50 FT., CLASS 4	EACH	5			5
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	2122	2122		
X7011015	TRAFFIC CONTROL AND PROTECTION, (EXPRESSWAYS)	LSUM	1	1		

* = SPECIALTY ITEMS



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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45 AT I-80
SUMMARY OF QUANTITIES

SCALE: SHEET 5 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	7
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62F04	

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CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE		
				80% FED 20% STATE ROADWAY	80% FED 20% STATE TRAFFIC SIGNAL	80% FED 20% STATE ELECTRICAL
				0006	0021	0043
			URBAN			
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	28	28		
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	1010	1010		
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3300		3300	
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	116	116		
Z0013798	CONSTRUCTION LAYOUT	LSUM	1	1		
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	52	52		
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	2			2
Z0076600	TRAINEES	HOUR				
X0320012	REMOVE TEMPORARY IMPACT ATTENUATORS, STATE OWNED	EACH	1	1		
* X2700005	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 7"	FOOT	300	300		
X2700003	GROOVING FOR RECESSED PAVEMENT MARKING 8"	FOOT	300	300		

10

* = SPECIALTY ITEMS



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45 AT I-80
SUMMARY OF QUANTITIES

SCALE: SHEET 6 OF 6 SHEETS STA. TO STA.

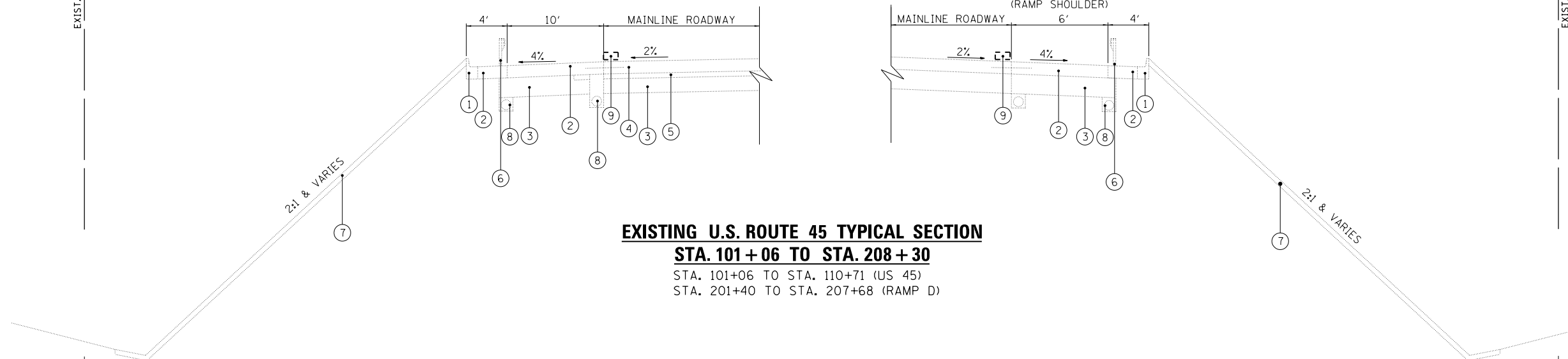
F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 8
				CONTRACT NO. 62F04
ILLINOIS FED. AID PROJECT				

REV

EXIST. R.O.W.

VARIES 285' TO 310'

EXIST. R.O.W.



EXISTING U.S. ROUTE 45 TYPICAL SECTION

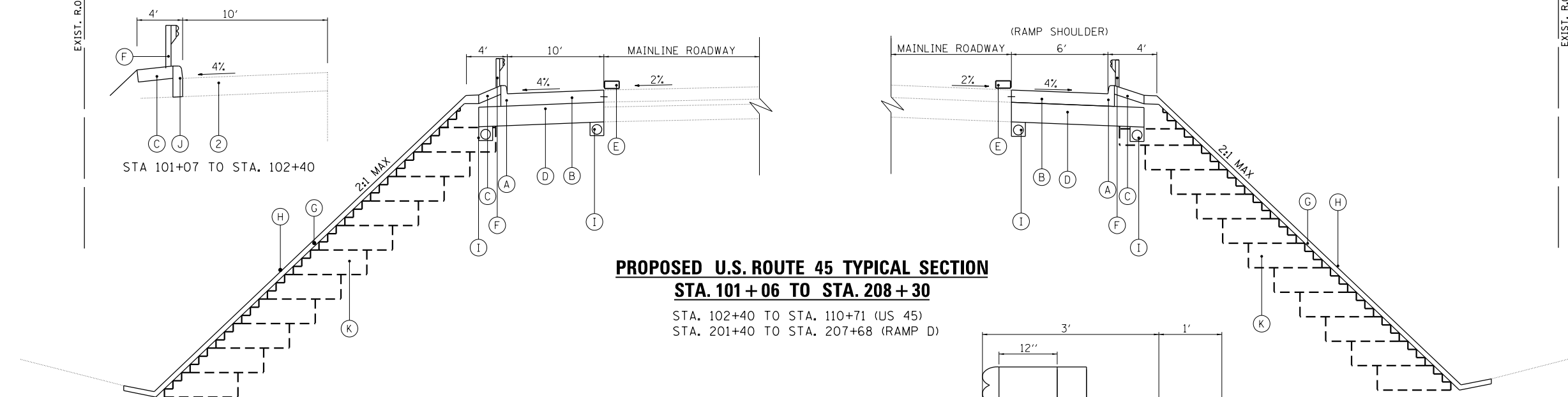
STA. 101+06 TO STA. 208+30

STA. 101+06 TO STA. 110+71 (US 45)
STA. 201+40 TO STA. 207+68 (RAMP D)

EXIST. R.O.W.

VARIES 285' TO 310'

EXIST. R.O.W.



PROPOSED U.S. ROUTE 45 TYPICAL SECTION

STA. 101+06 TO STA. 208+30

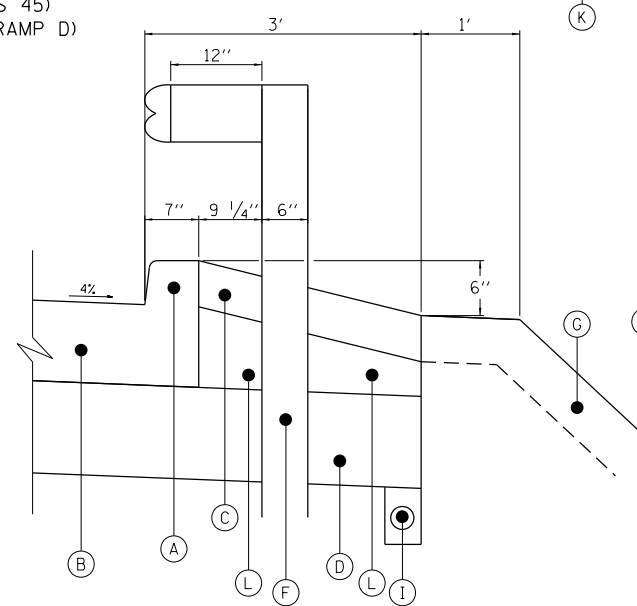
STA. 102+40 TO STA. 110+71 (US 45)
STA. 201+40 TO STA. 207+68 (RAMP D)

EXISTING LEGEND

- ① COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ② PORTLAND CEMENT CONCRETE SHOULDER, 10 1/2 "
- ③ AGGREGATE SUBGRADE, 12"
- ④ EXISTING PORTLAND CEMENT CONCRETE PAVEMENT, 10 1/2 " (JOINTED)
- ⑤ STABILIZED SUBBASE, 4" (B.A.M. ONLY)
- ⑥ STEEL PLATE BEAM GUARDRAIL
- ⑦ EXISTING TOPSOIL
- ⑧ PIPE UNDERDRAIN
- ⑨ PAVEMENT MARKING

PROPOSED LEGEND

- Ⓐ CONCRETE SHOULDER CURB
- Ⓑ PORTLAND CEMENT CONCRETE SHOULDERS, 10 1/2 "
- Ⓒ PORTLAND CEMENT CONCRETE SHOULDERS, 6"
- Ⓓ AGGREGATE SUBGRADE IMPROVEMENT, 12"
- Ⓔ POLYUREA PAVEMENT MARKING TYPE 1-LINE 4" (SOLID WHITE)
- Ⓕ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS
- Ⓖ TOPSOIL FURNISH AND PLACE, 4"
- Ⓗ SEEDING, CLASS 2A OR CLASS 4
- Ⓘ PIPE UNDERDRAINS, TYPE 2, 4"
- ⓵ TYPE B CURB
- Ⓚ ROADWAY EMBANKMENT
- Ⓛ AGGREGATE BASE COURSE, TYPE B



SHOULDER DETAIL

\$PLOTDRVL\$

\$PENTBLS\$

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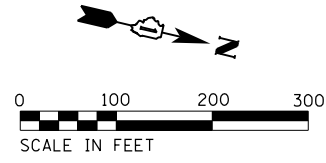
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 45 AT I-80
TYPICAL SECTIONS

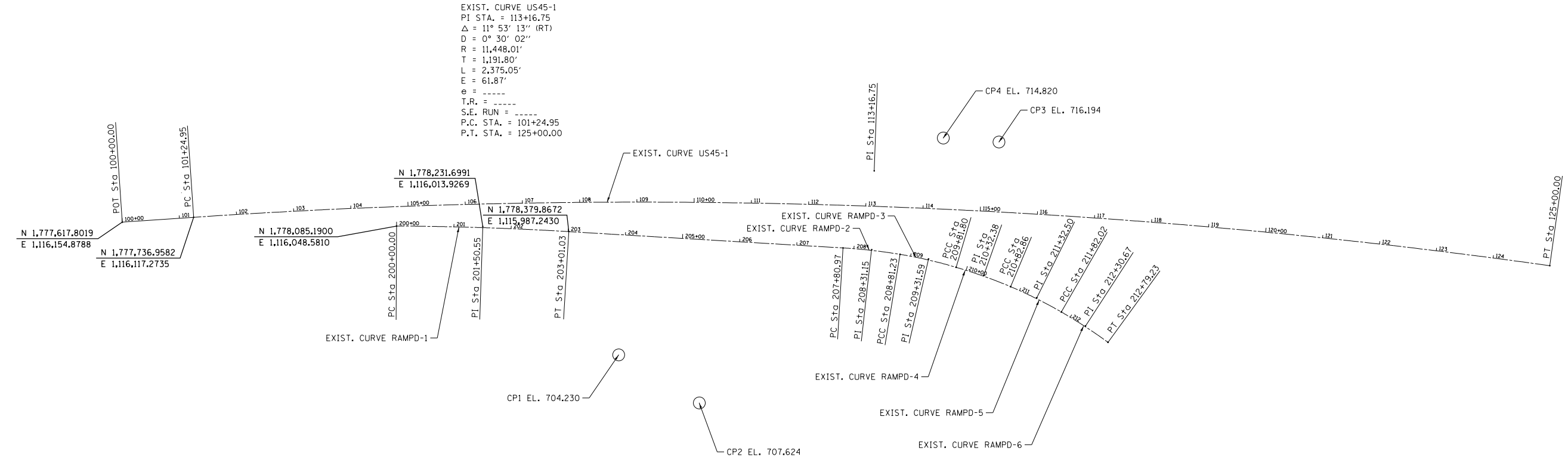
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	9
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				



ALIGNMENT COORDINATES - US 45			
US 45	STATION	N	E
POT	100+00.00	1,777,617.8019	1,116,154.8788
PC	101+24.95	1,777,736.9582	1,116,117.2735
PI	113+16.75	1,778,873.5006	1,115,758.5723
PT	125+00.00	1,780,059.5564	1,115,641.6668

- BENCHMARKS**
- | BM# | DESCRIPTION |
|-----|---|
| 1 | "X" MARKED AT SOUTHWEST CORNER OF ELECTRICAL TRANSFORMER/CONTROLLER BOX NO. 496042015 EAST OF MAPLE STREET CUL-DE-SAC ELEV 717.18 |
| 2 | "T" OF "WATER" ON LID FOR VALVE VAULT LOCATED IN SIDEWALK WEST OF 96TH AVENUE APPROXIMATELY 100 FEET SOUTH OF CP #1. ELEV 704.24 |



ALIGNMENT COORDINATES - RAMP D			
RAMP D	STATION	N	E
PC	200+00.00	1,778,085.1900	1,116,048.5810
PI	201+50.55	1,778,231.6991	1,116,013.9269
PT	203+01.03	1,778,379.8672	1,115,987.2430
PC	207+80.97	1,778,852.2132	1,115,902.1775
PI	208+31.15	1,778,901.5946	1,115,893.2843
PCC	208+81.23	1,778,951.6364	1,115,889.6198
PI	209+31.59	1,779,000.18445	1,115,889.6198
PCC	209+81.80	1,779,052.1206	1,115,888.5819
PI	210+32.38	1,779,102.6526	1,115,890.9064
PCC	210+82.86	1,779,152.5913	1,115,898.9694
PI	211+32.50	1,779,201.5592	1,115,907.1223
PCC	211+82.02	1,779,249.1894	1,115,921.1109
PI	212+30.67	1,779,295.8707	1,115,934.8208
PT	212+79.23	1,779,340.8355	1,115,953.4023

- | EXIST. CURVE RAMP_D1 | EXIST. CURVE RAMP_D2 | EXIST. CURVE RAMP_D3 | EXIST. CURVE RAMP_D4 | EXIST. CURVE RAMP_D5 | EXIST. CURVE RAMP_D6 |
|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| PI STA. = 201+50.55 | PI STA. = 208+31.15 | PI STA. = 209+31.59 | PI STA. = 210+32.38 | PI STA. = 211+32.50 | PI STA. = 212+30.67 |
| $\Delta = 3^\circ 05' 55''$ (RT) | $\Delta = 6^\circ 01' 15''$ (RT) | $\Delta = 7^\circ 29' 15''$ (RT) | $\Delta = 6^\circ 32' 16''$ (RT) | $\Delta = 6^\circ 54' 51''$ (RT) | $\Delta = 6^\circ 05' 08''$ (RT) |
| D = $1^\circ 01' 46''$ | D = $6^\circ 00' 19''$ | D = $7^\circ 26' 44''$ | D = $6^\circ 28' 09''$ | D = $6^\circ 58' 21''$ | D = $6^\circ 15' 36''$ |
| R = 5,566.20' | R = 954.09' | R = 769.53' | R = 885.66' | R = 821.73' | R = 915.26' |
| T = 150.55' | T = 50.18' | T = 50.35' | T = 49.64' | T = 49.64' | T = 48.65' |
| L = 301.03' | L = 100.26' | L = 100.56' | L = 101.06' | L = 99.16' | L = 97.21' |
| E = 2.04' | E = 1.32' | E = 1.65' | E = 1.44' | E = 1.50' | E = 1.29' |
| e = ----- | e = ----- | e = ----- | e = ----- | e = ----- | e = ----- |
| T.R. = ----- | T.R. = ----- | T.R. = ----- | T.R. = ----- | T.R. = ----- | T.R. = ----- |
| S.E. RUN = ----- | S.E. RUN = ----- | S.E. RUN = ----- | S.E. RUN = ----- | S.E. RUN = ----- | S.E. RUN = ----- |
| P.C. STA. = 200+00.00 | P.C. STA. = 207+80.97 | P.C. STA. = 208+81.23 | P.C. STA. = 209+81.80 | P.C. STA. = 210+82.86 | P.C. STA. = 211+82.02 |
| P.T. STA. = 203+01.03 | P.T. STA. = 208+81.23 | P.T. STA. = 209+81.80 | P.T. STA. = 210+82.86 | P.T. STA. = 211+82.02 | P.T. STA. = 212+79.23 |

\$PLTDIVL\$

\$PENTBLS\$

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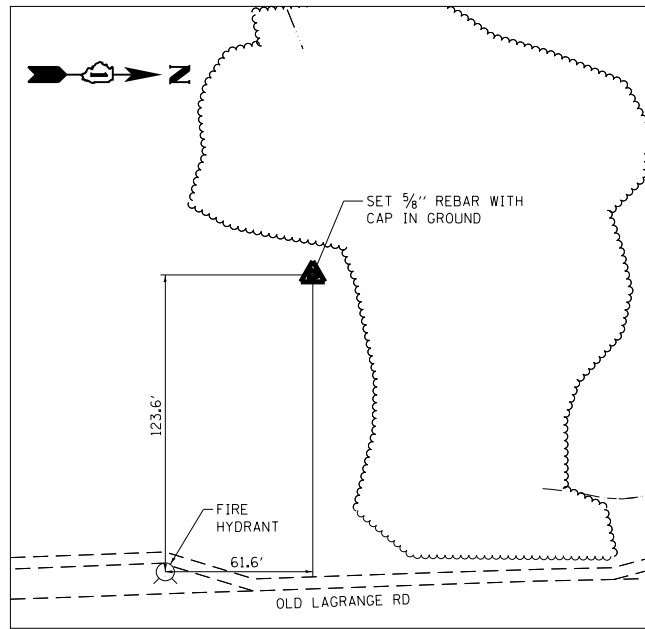
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	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 45 AT I-80
ALIGNMENT, TIES AND BENCHMARKS**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 100+00 TO STA. 212+79.23

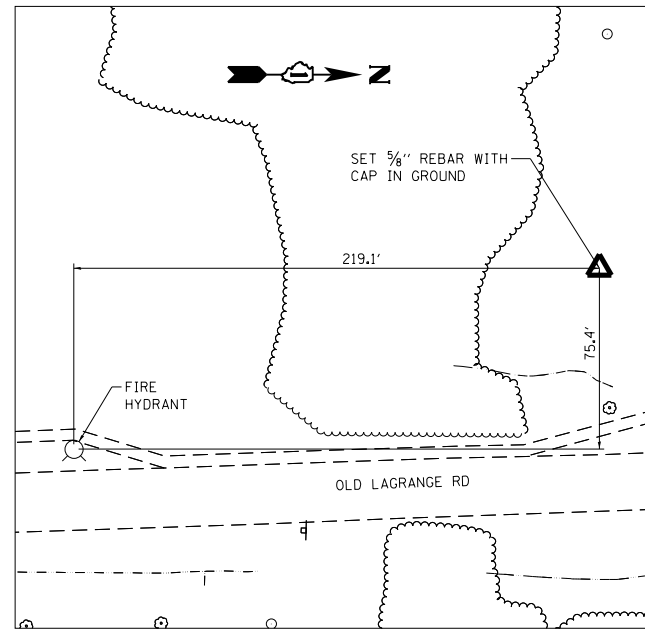
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	10
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				



CONTROL POINT #1

SET 5/8" REBAR W/CAP APPROX.
60' N. AND 120' W. OF FIRE HYDRANT

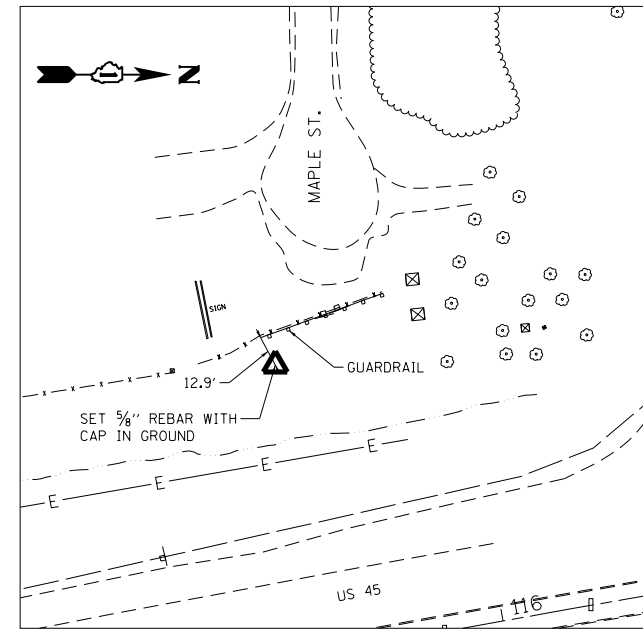
108+67.21, 266.78' RT US 45
N. 1,778,515.1890
E. 1,116,176.0460
ELEV. 704.316



CONTROL POINT #2

SET 5/8" REBAR W/CAP APPROX.
220' N. AND 75' W. OF FIRE HYDRANT

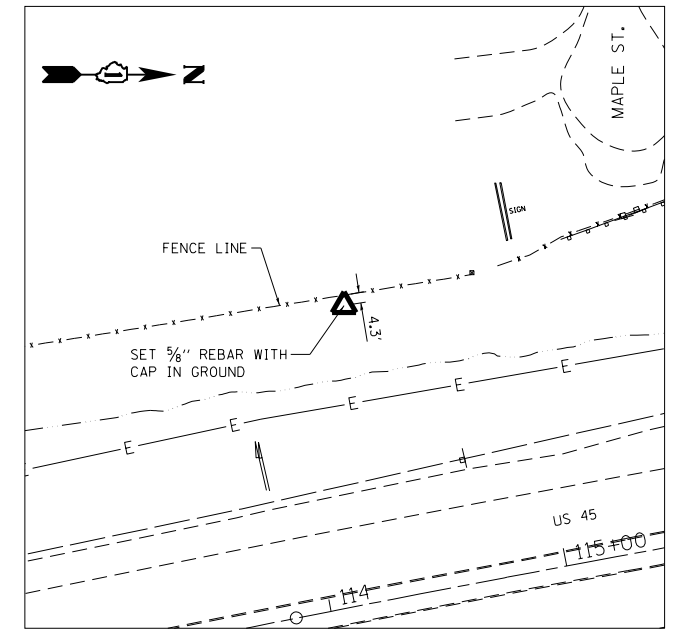
110+12.18, 350.28' RT US 45
N. 1,778,671.7930
E. 1,116,224.4800
ELEV. 707.624



CONTROL POINT #3

SET 5/8" REBAR W/CAP APPROX
13' E. OF SOUTHERNMOST GUARDRAIL
POST AT E. END MAPLE ST CUL-DE-SAC

115+26.17, 121.93' LT S 45
N. 1,779,073.4200
E. 1,115,658.3830
ELEV. 716.194



CONTROL POINT #4

SET 5/8" REBAR W/CAP APPROX
100' S. OF CP #3 AND 4' E. OF FENCE LINE

114+29.63, 124.01' LT US 45
N. 1,778,977.1680
E. 1,115,674.5350
ELEV. 714.820

\$PLTDIVL\$

\$PENTBLS\$

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

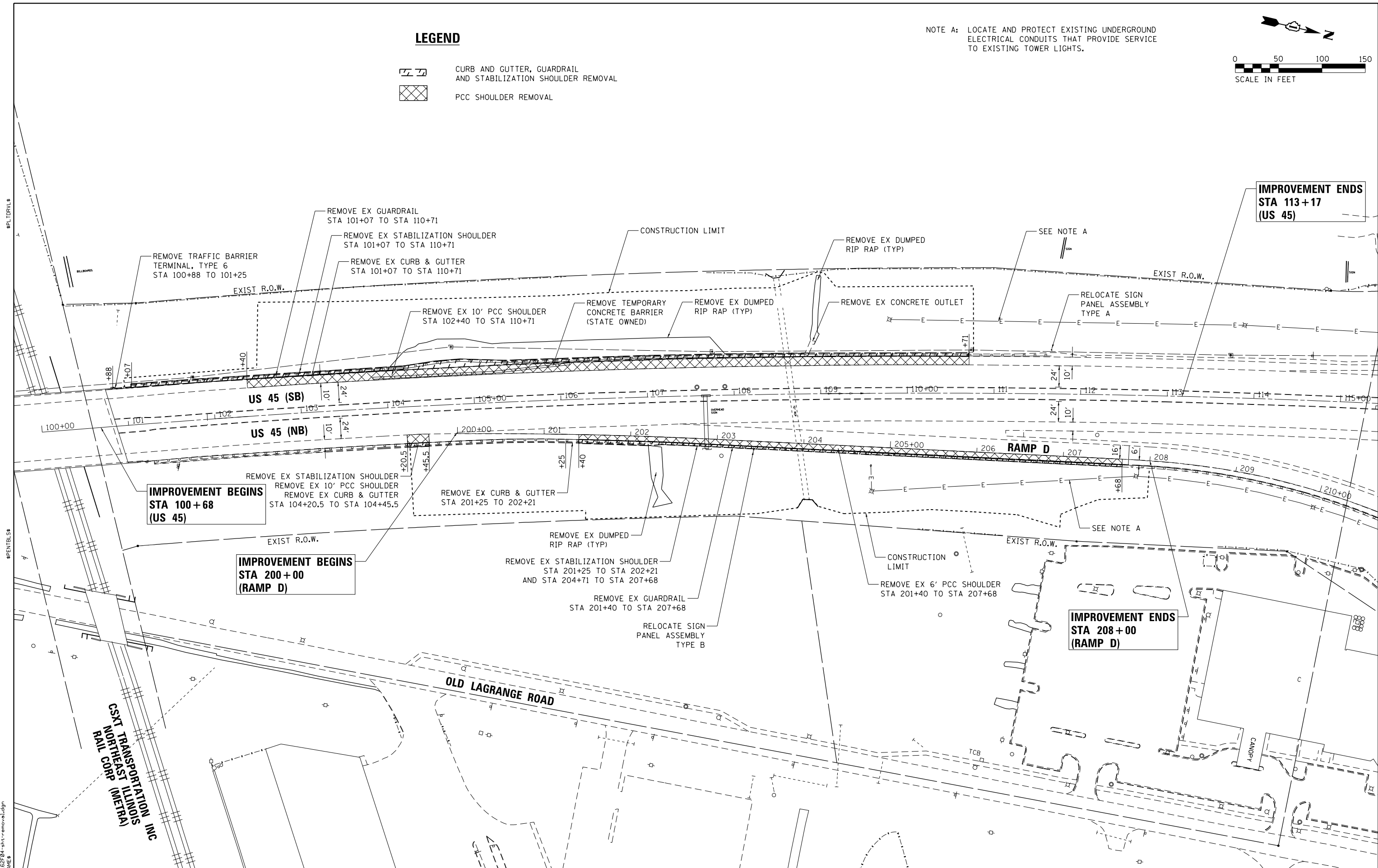
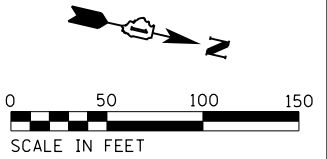
US ROUTE 45 AT I-80 ALIGNMENT, TIES AND BENCHMARKS - II			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	10A
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

LEGEND

-  CURB AND GUTTER, GUARDRAIL AND STABILIZATION SHOULDER REMOVAL
-  PCC SHOULDER REMOVAL

NOTE A: LOCATE AND PROTECT EXISTING UNDERGROUND ELECTRICAL CONDUITS THAT PROVIDE SERVICE TO EXISTING TOWER LIGHTS.



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CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = jpong
PLOT SCALE = 100.000' / in.
PLOT DATE = 12/4/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 45 AT I-80
REMOVAL PLAN**

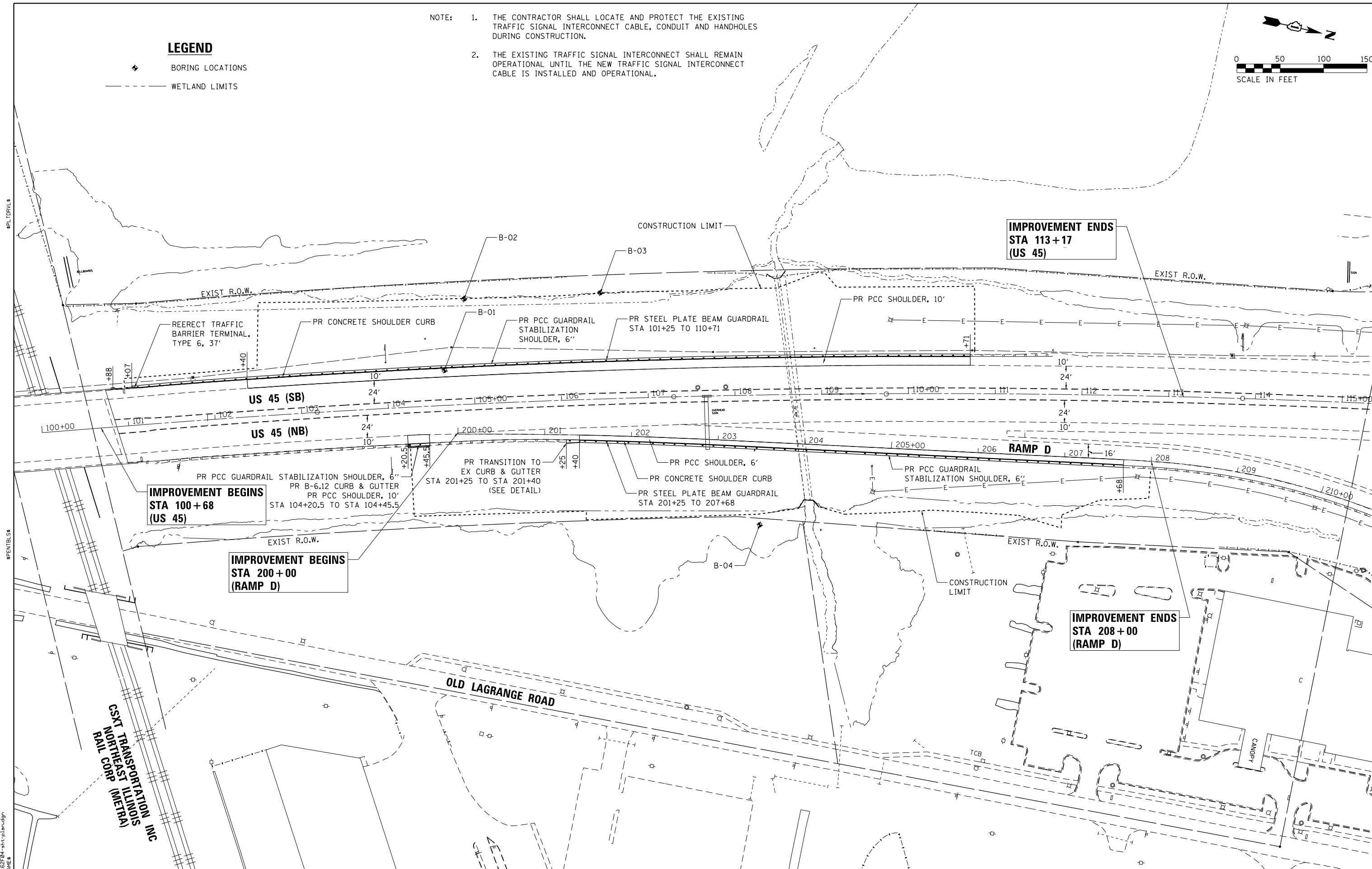
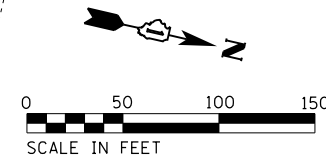
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	11
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

LEGEND

- ◆ BORING LOCATIONS
- - - WETLAND LIMITS

- NOTE: 1. THE CONTRACTOR SHALL LOCATE AND PROTECT THE EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE, CONDUIT AND HANDHOLES DURING CONSTRUCTION.
2. THE EXISTING TRAFFIC SIGNAL INTERCONNECT SHALL REMAIN OPERATIONAL UNTIL THE NEW TRAFFIC SIGNAL INTERCONNECT CABLE IS INSTALLED AND OPERATIONAL.



**IMPROVEMENT BEGINS
STA 100+68
(US 45)**

**IMPROVEMENT BEGINS
STA 200+00
(RAMP D)**

**IMPROVEMENT ENDS
STA 113+17
(US 45)**

**IMPROVEMENT ENDS
STA 208+00
(RAMP D)**

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CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = jpong
PLOT SCALE = 100.000' / in.
PLOT DATE = 12/4/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 45 AT I-80
STABILIZATION AND REPAIR PLAN**

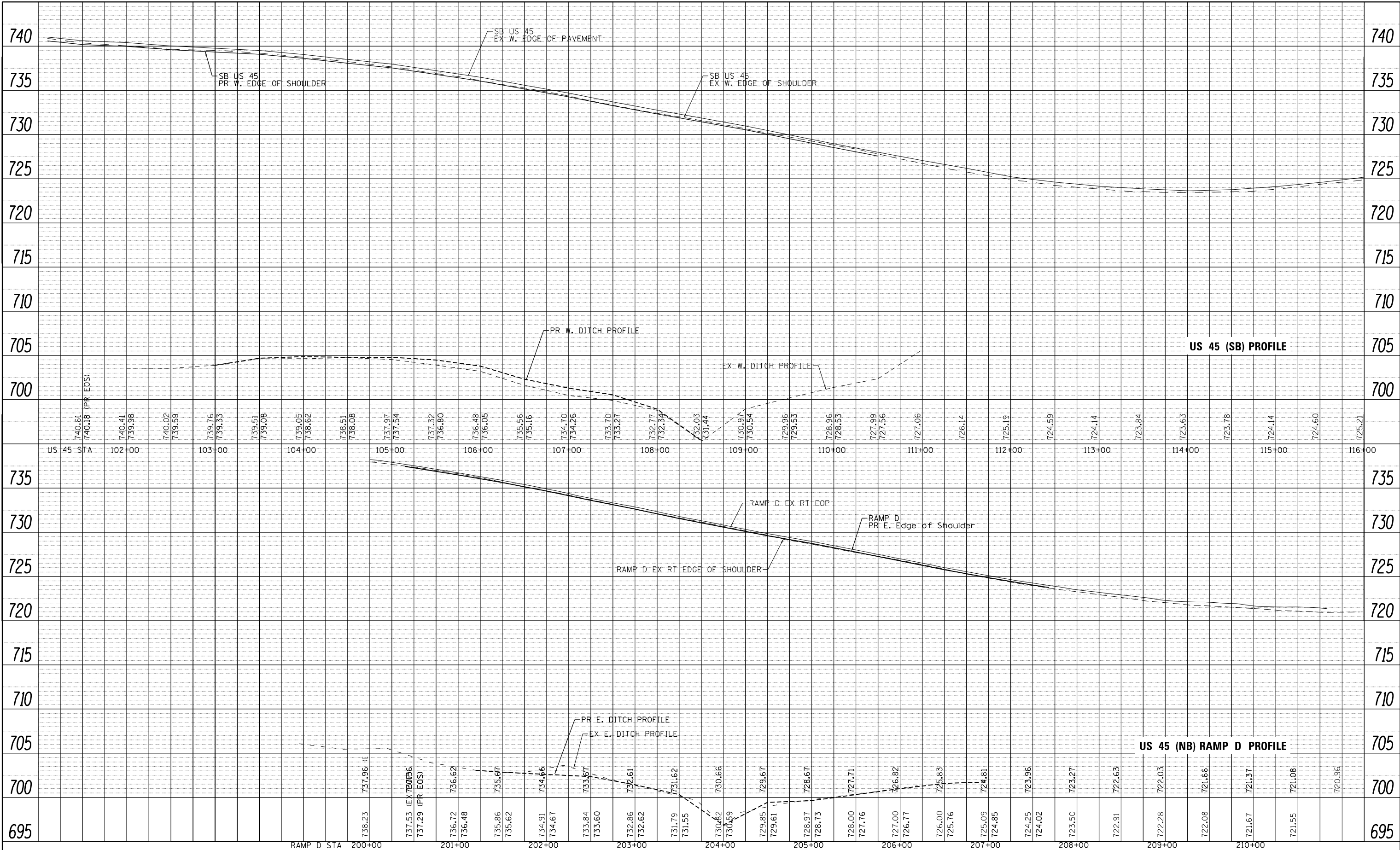
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	12
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

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

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

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DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US ROUTE 45 AT I-80
 PROFILES

SCALE: 1" = 20' SHEET 1 OF 1 SHEETS STA. 101+00 TO STA. 116+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	13
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

SUGGESTED SEQUENCE OF CONSTRUCTION & MAINTENANCE OF TRAFFIC

THE FOLLOWING SEQUENCE OF CONSTRUCTION AND MAINTENANCE OF TRAFFIC IS SUGGESTED. VARIATIONS MAY BE MADE WITH THE APPROVAL OF THE ENGINEER.

FOR EACH STAGE OF CONSTRUCTION, PROVIDE TRAFFIC CONTROL AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS. COORDINATE INSTALLATION OF TEMPORARY PAVEMENT MARKINGS AND OTHER TRAFFIC CONTROL DEVICES WITH THE EXISTING TRAFFIC PATTERNS AT THE PROJECT LIMITS.

SEQUENCE OF CONSTRUCTION:

PRE-STAGE

1. INSTALL PORTABLE CHANGEABLE MESSAGE SIGNS AS DIRECTED BY THE ENGINEER.
2. INSTALL EROSION CONTROL DEVICES PER THE EROSION CONTROL PLANS.

STAGE I

1. UTILIZING DAILY LANE CLOSURES PER STANDARD 701421, INSTALL THE SHOULDER INLET ALONG THE EAST SHOULDER NEAR STATION 104+33.
2. INSTALL STAGE I TRAFFIC CONTROL ALONG BOTH SIDES OF US 45 ACCORDING TO THE PLANS. SHIFT TRAFFIC TO STAGE I TRAFFIC LANES.
3. REMOVE THE EXISTING SHOULDERS, GUARDRAILS, STABILIZED SHOULDERS, AND CURB & GUTTER AS INDICATED IN THE PLANS. COMPLETE DRAINAGE IMPROVEMENTS, EARTH EXCAVATION WORK, NEW SHOULDERS, GUARDRAILS, AND RESTORATION ON BOTH EMBANKMENTS.
4. MAINTAIN ALL EROSION CONTROL DEVICES.




STAGE II

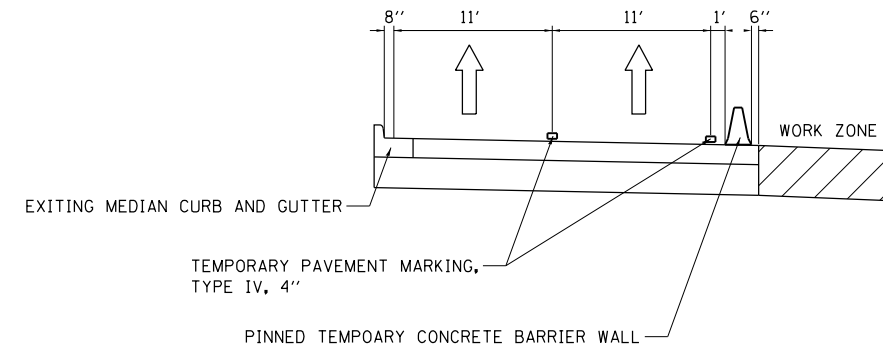
1. REMOVE STAGE I TRAFFIC CONTROL DEVICES ON US 45 ACCORDING TO THE PLANS. SHIFT TRAFFIC BACK TO THE ORIGINAL LANE CONFIGURATION.

STAGE III

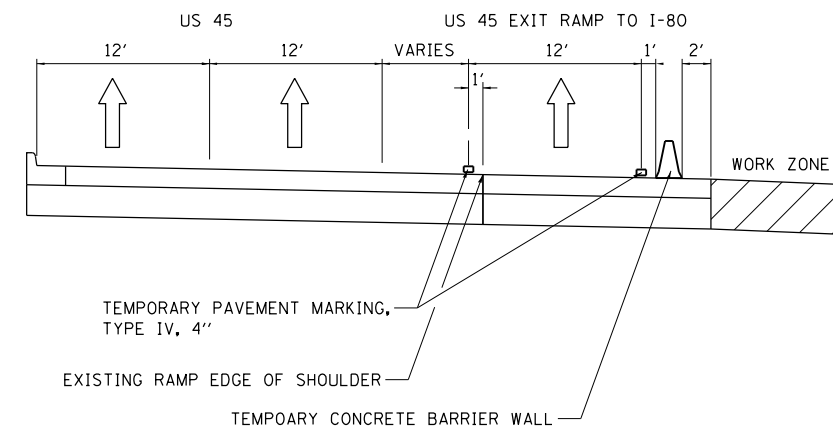
1. COMPLETE ALL UNFINISHED LANDSCAPING.
2. INSTALL PERMANENT PAVEMENT MARKINGS UTILIZING HIGHWAY STANDARD 701426 AND SIGNAGE ON US 45.
3. REMOVE TEMPORARY EROSION CONTROL DEVICES.

LEGEND

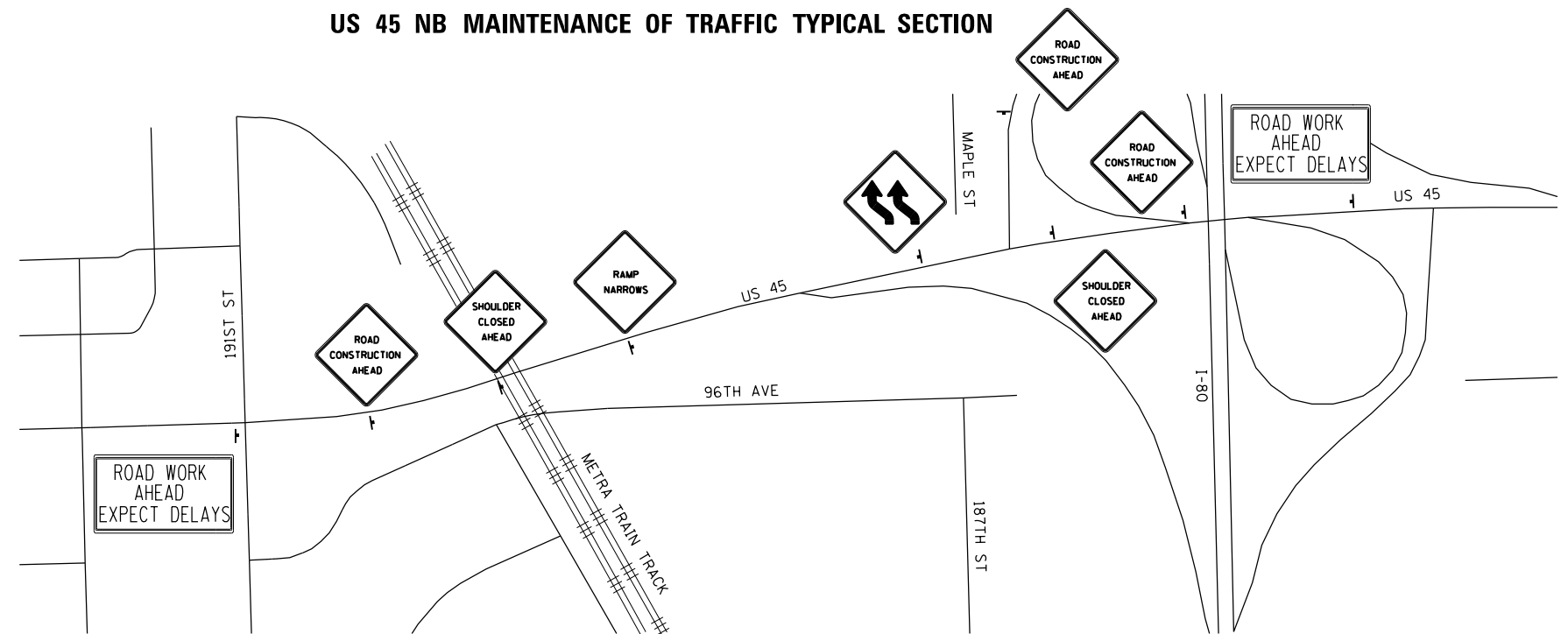
-  TEMPORARY PAVEMENT MARKING
-  TEMPORARY CONCRETE BARRIER WALL WITH TYPE-C MARKERS
-  DIRECTION OF TRAFFIC



US 45 SB MAINTENANCE OF TRAFFIC TYPICAL SECTION



US 45 NB MAINTENANCE OF TRAFFIC TYPICAL SECTION



US 45 ADVANCED WARNING SIGN LOCATION

SEE MAINTENANCE OF TRAFFIC SHEET FOR LOCATION DETAILS

\$PLTDIVL\$

\$PENTBLS\$

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
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

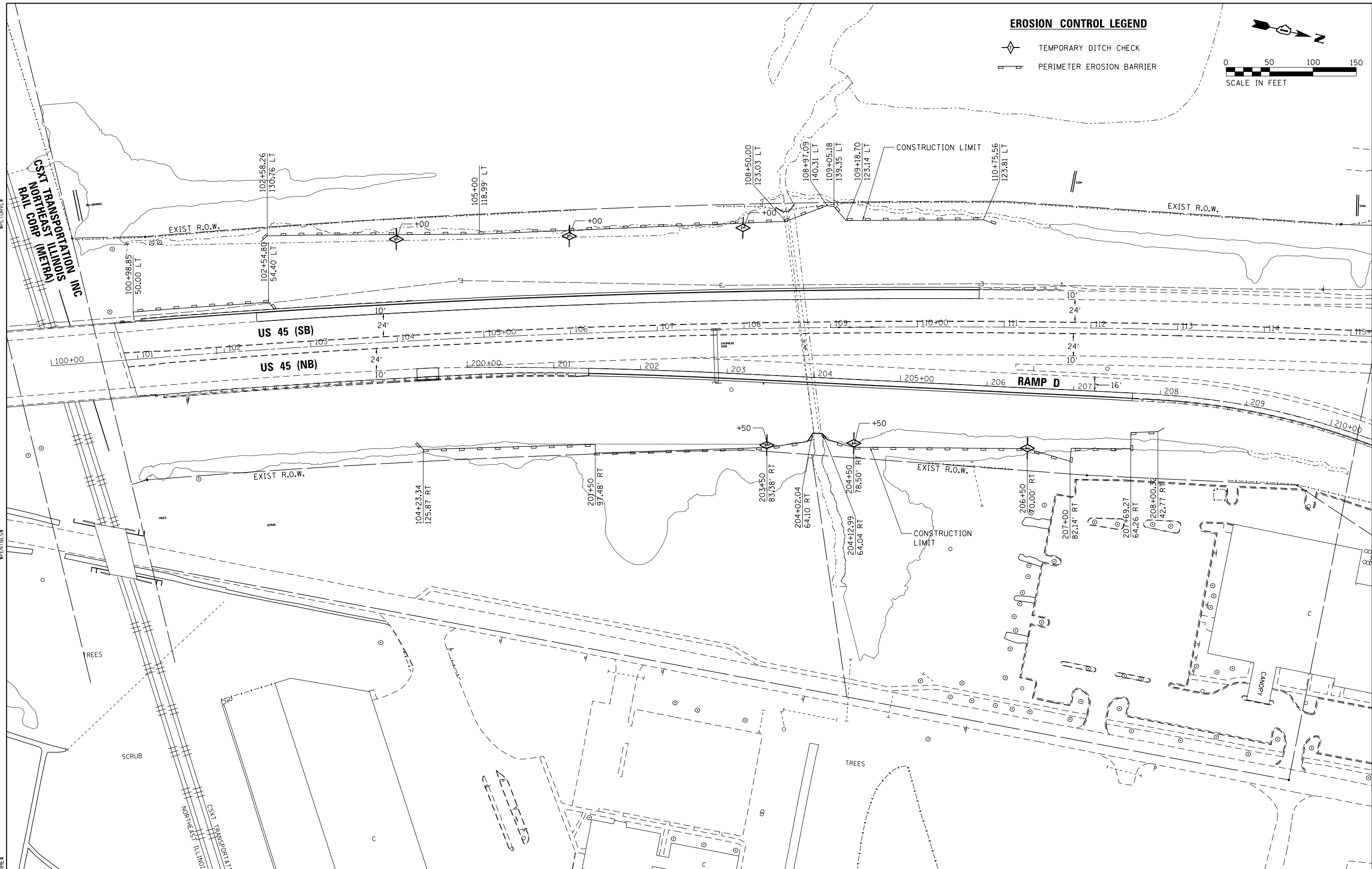
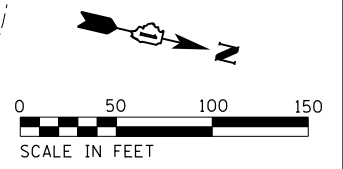
US ROUTE 45 AT I-80
MAINTENANCE OF TRAFFIC GENERAL NOTES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	14
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL LEGEND

-  TEMPORARY DITCH CHECK
-  PERIMETER EROSION BARRIER



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CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

USER NAME = jpong
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PLOT DATE = 12/4/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 45 AT I-80
 EROSION AND SEDIMENT CONTROL PLAN**

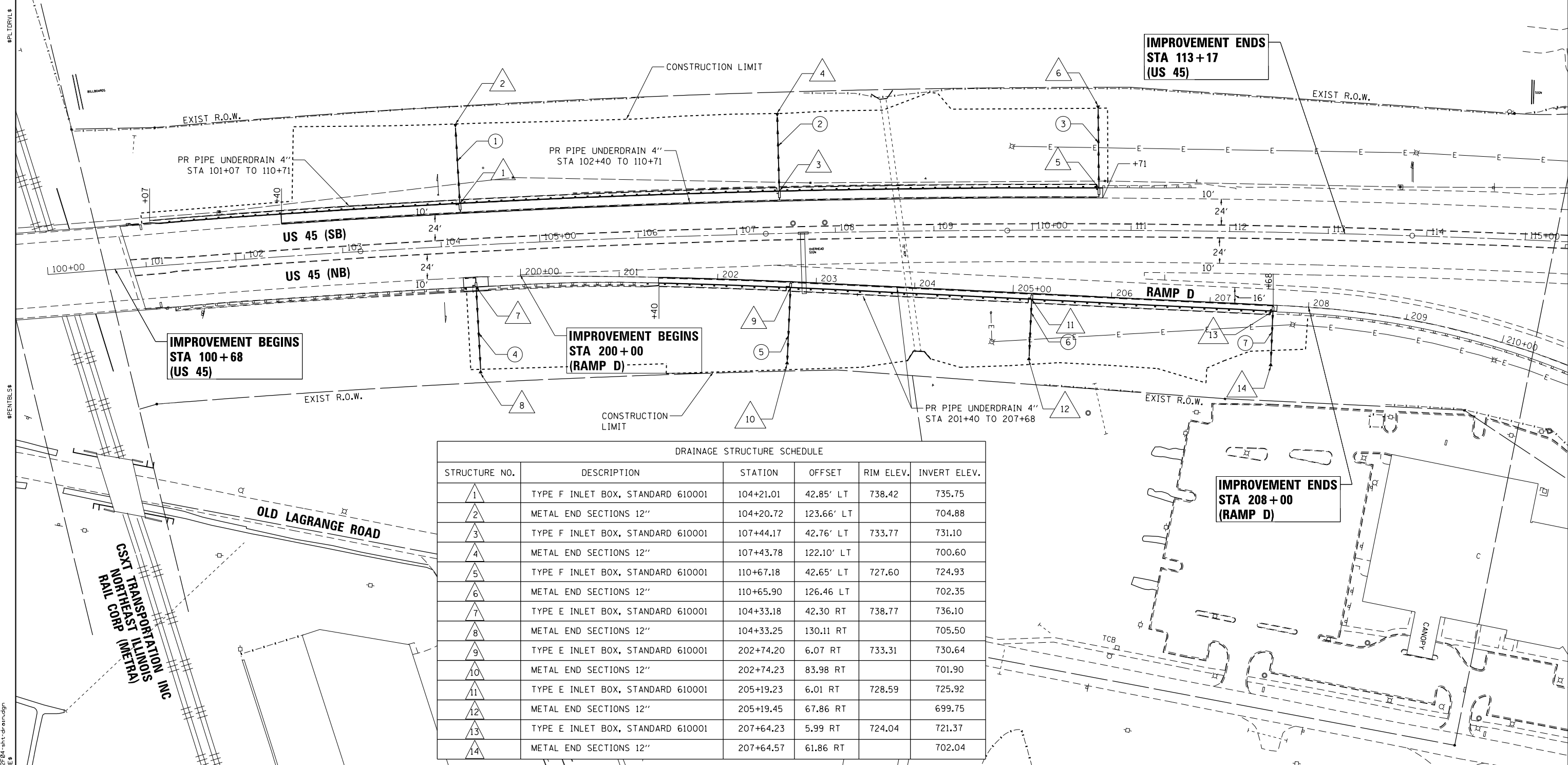
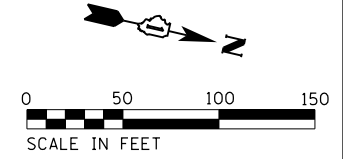
SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 101+00 TO STA. 115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	16
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

NOTE
 PIPE UNDERDRAINS SHALL BE INSTALLED ACCORDING TO SECTION 601 OF THE SSRBC AND STANDARD 601001-05. TOP OF PIPE UNDERDRAINS SHALL BE PLACED MINIMUM 6" BELOW THE AGGREGATE SUBGRADE IMPROVEMENT LAYER. THE COST OF MAKING PIPE UNDERDRAINS CONNECTIONS TO DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS (SPECIAL).

EXISTING PIPE UNDERDRAINS ENCOUNTERED THAT ARE TO BE REMAINED SHALL BE CONNECTED TO NEW PIPE UNDERDRAINS. THE COST OF CONNECTING EXISTING PIPE UNDERDRAINS SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS.

PIPE DRAIN SCHEDULE							
PIPE NO.	FROM STR.	TO STR.	LENGTH (FT)	DIA. (IN)	SLOPE (%)	UPSTREAM INVERT	DOWNSTREAM INVERT
①	△1	△2	77	12	43.5	735.753	704.88
②	△3	△4	76	12	43.5	731.103	700.60
③	△5	△6	80	12	28.6	724.933	702.35
④	△7	△8	84	12	38.5	736.103	705.50
⑤	△9	△10	74	12	38.5	730.643	701.90
⑥	△11	△12	58	12	46.5	725.923	699.75
⑦	△13	△14	52	12	41.7	721.373	702.04



DRAINAGE STRUCTURE SCHEDULE					
STRUCTURE NO.	DESCRIPTION	STATION	OFFSET	RIM ELEV.	INVERT ELEV.
△1	TYPE F INLET BOX, STANDARD 610001	104+21.01	42.85' LT	738.42	735.75
△2	METAL END SECTIONS 12"	104+20.72	123.66' LT		704.88
△3	TYPE F INLET BOX, STANDARD 610001	107+44.17	42.76' LT	733.77	731.10
△4	METAL END SECTIONS 12"	107+43.78	122.10' LT		700.60
△5	TYPE F INLET BOX, STANDARD 610001	110+67.18	42.65' LT	727.60	724.93
△6	METAL END SECTIONS 12"	110+65.90	126.46 LT		702.35
△7	TYPE E INLET BOX, STANDARD 610001	104+33.18	42.30 RT	738.77	736.10
△8	METAL END SECTIONS 12"	104+33.25	130.11 RT		705.50
△9	TYPE E INLET BOX, STANDARD 610001	202+74.20	6.07 RT	733.31	730.64
△10	METAL END SECTIONS 12"	202+74.23	83.98 RT		701.90
△11	TYPE E INLET BOX, STANDARD 610001	205+19.23	6.01 RT	728.59	725.92
△12	METAL END SECTIONS 12"	205+19.45	67.86 RT		699.75
△13	TYPE E INLET BOX, STANDARD 610001	207+64.23	5.99 RT	724.04	721.37
△14	METAL END SECTIONS 12"	207+64.57	61.86 RT		702.04

CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

USER NAME = jpong
 DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISOR -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US ROUTE 45 AT I-80
 DRAINAGE PLAN

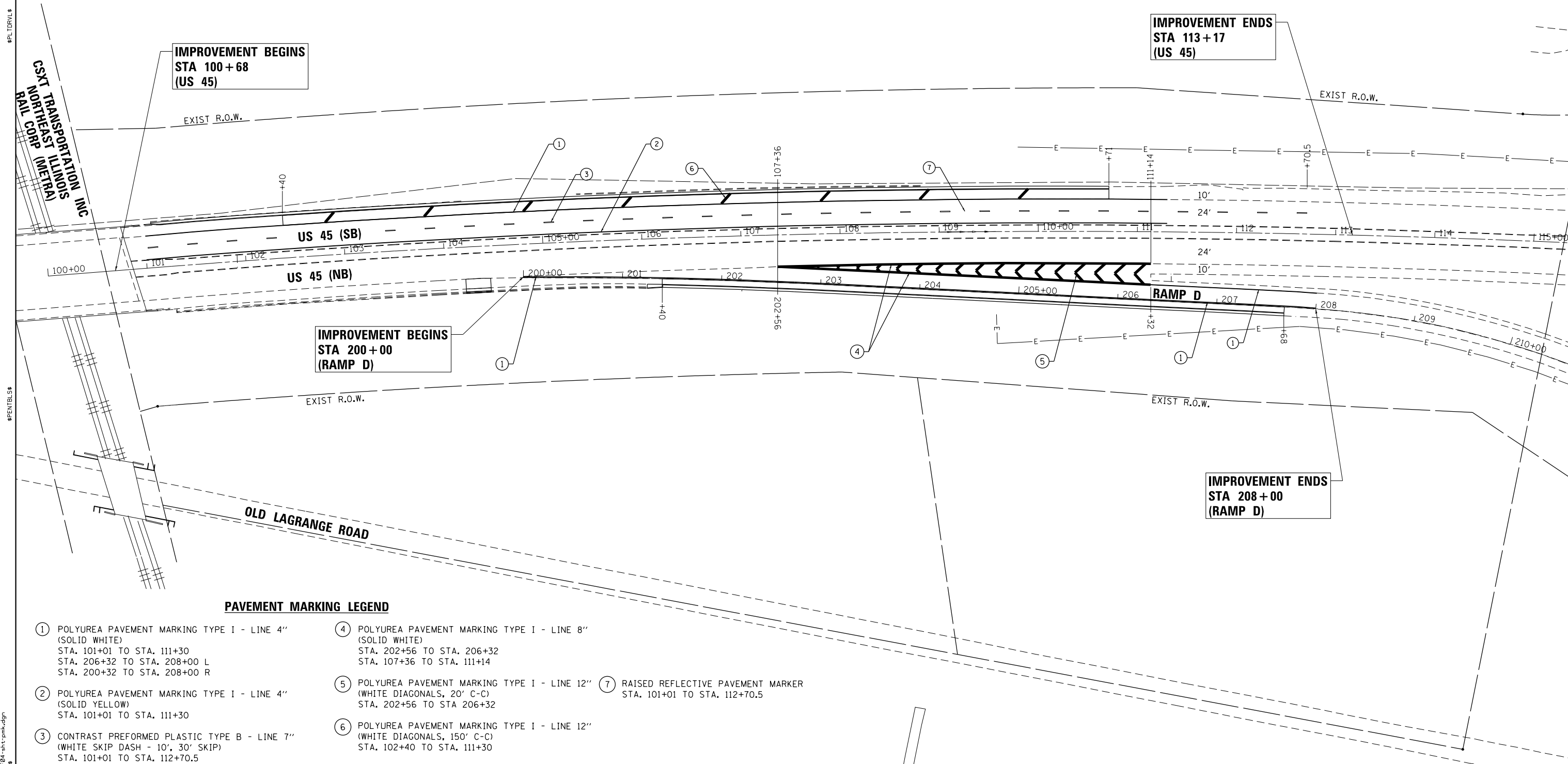
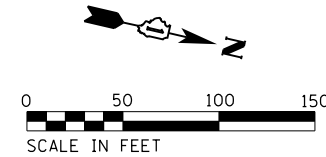
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	17
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

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NOTES:

1. ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD TC-11
2. ALL NEW PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD TC-13.



**IMPROVEMENT BEGINS
STA 100+68
(US 45)**

**IMPROVEMENT ENDS
STA 113+17
(US 45)**

**IMPROVEMENT BEGINS
STA 200+00
(RAMP D)**

**IMPROVEMENT ENDS
STA 208+00
(RAMP D)**

PAVEMENT MARKING LEGEND

- | | | |
|--|--|---|
| <p>① POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (SOLID WHITE)
STA. 101+01 TO STA. 111+30
STA. 206+32 TO STA. 208+00 L
STA. 200+32 TO STA. 208+00 R</p> <p>② POLYUREA PAVEMENT MARKING TYPE I - LINE 4" (SOLID YELLOW)
STA. 101+01 TO STA. 111+30</p> <p>③ CONTRAST PREFORMED PLASTIC TYPE B - LINE 7" (WHITE SKIP DASH - 10', 30' SKIP)
STA. 101+01 TO STA. 112+70.5</p> | <p>④ POLYUREA PAVEMENT MARKING TYPE I - LINE 8" (SOLID WHITE)
STA. 202+56 TO STA. 206+32
STA. 107+36 TO STA. 111+14</p> <p>⑤ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE DIAGONALS, 20' C-C)
STA. 202+56 TO STA. 206+32</p> <p>⑥ POLYUREA PAVEMENT MARKING TYPE I - LINE 12" (WHITE DIAGONALS, 150' C-C)
STA. 102+40 TO STA. 111+30</p> | <p>⑦ RAISED REFLECTIVE PAVEMENT MARKER
STA. 101+01 TO STA. 112+70.5</p> |
|--|--|---|

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CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = jpang	DESIGNED -	REVISED -
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PLOT DATE = 12/4/2017	CHECKED -	REVISED -
	DATE -	REVISED -




**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

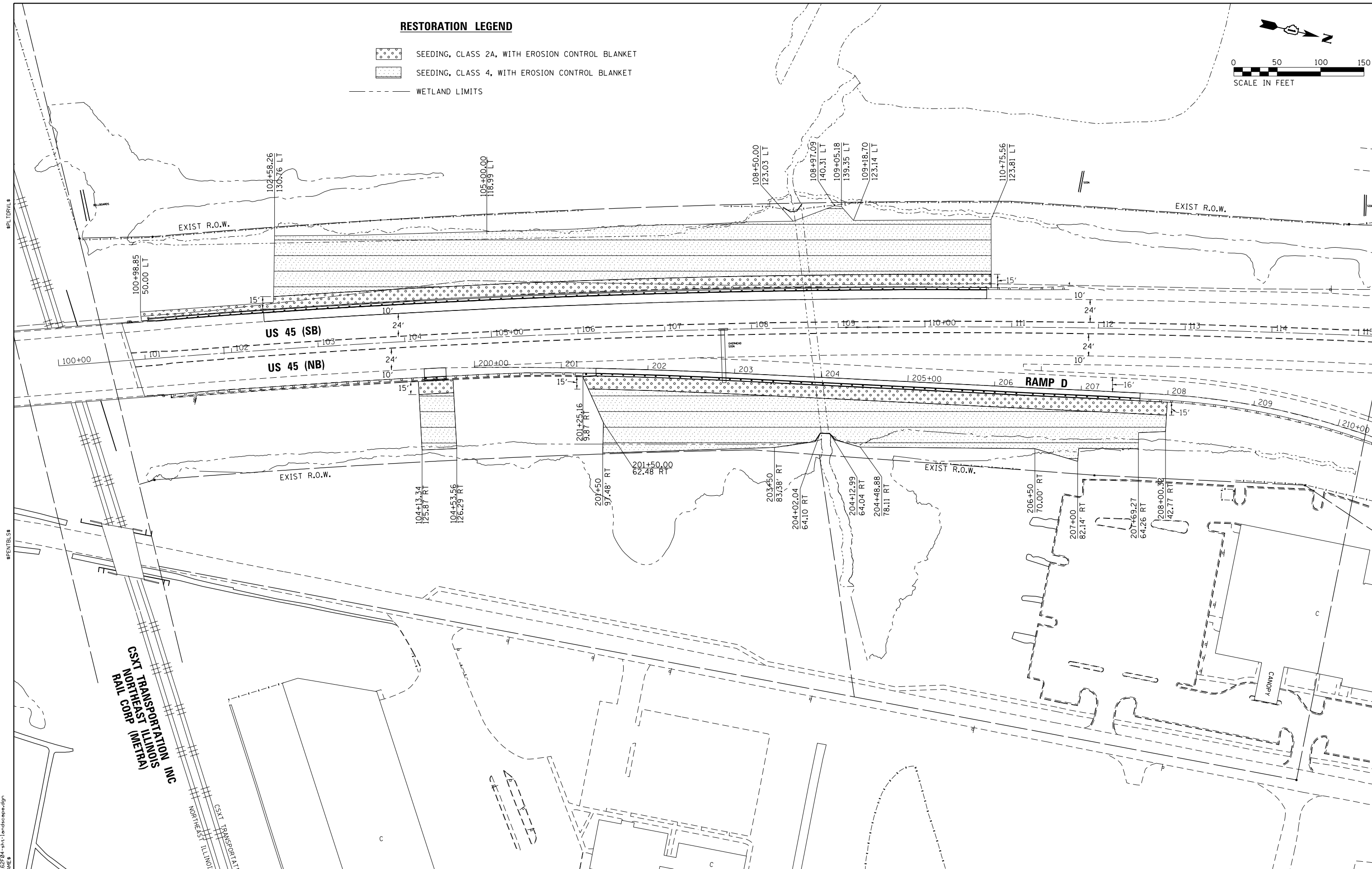
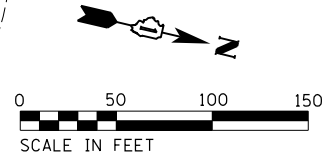
**US ROUTE 45 AT I-80
PAVEMENT MARKING PLAN**

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 101+00 TO STA. 115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	18
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

RESTORATION LEGEND

-  SEEDING, CLASS 2A, WITH EROSION CONTROL BLANKET
-  SEEDING, CLASS 4, WITH EROSION CONTROL BLANKET
-  WETLAND LIMITS



CSXT TRANSPORTATION INC
 (A MEMBER OF)
 NORTHEAST ILLINOIS
 RAIL CORP.

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CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

USER NAME = jpong
 PLOT SCALE = 100.000' / in.
 PLOT DATE = 12/4/2017

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 45 AT I-80
 LANDSCAPING PLAN**

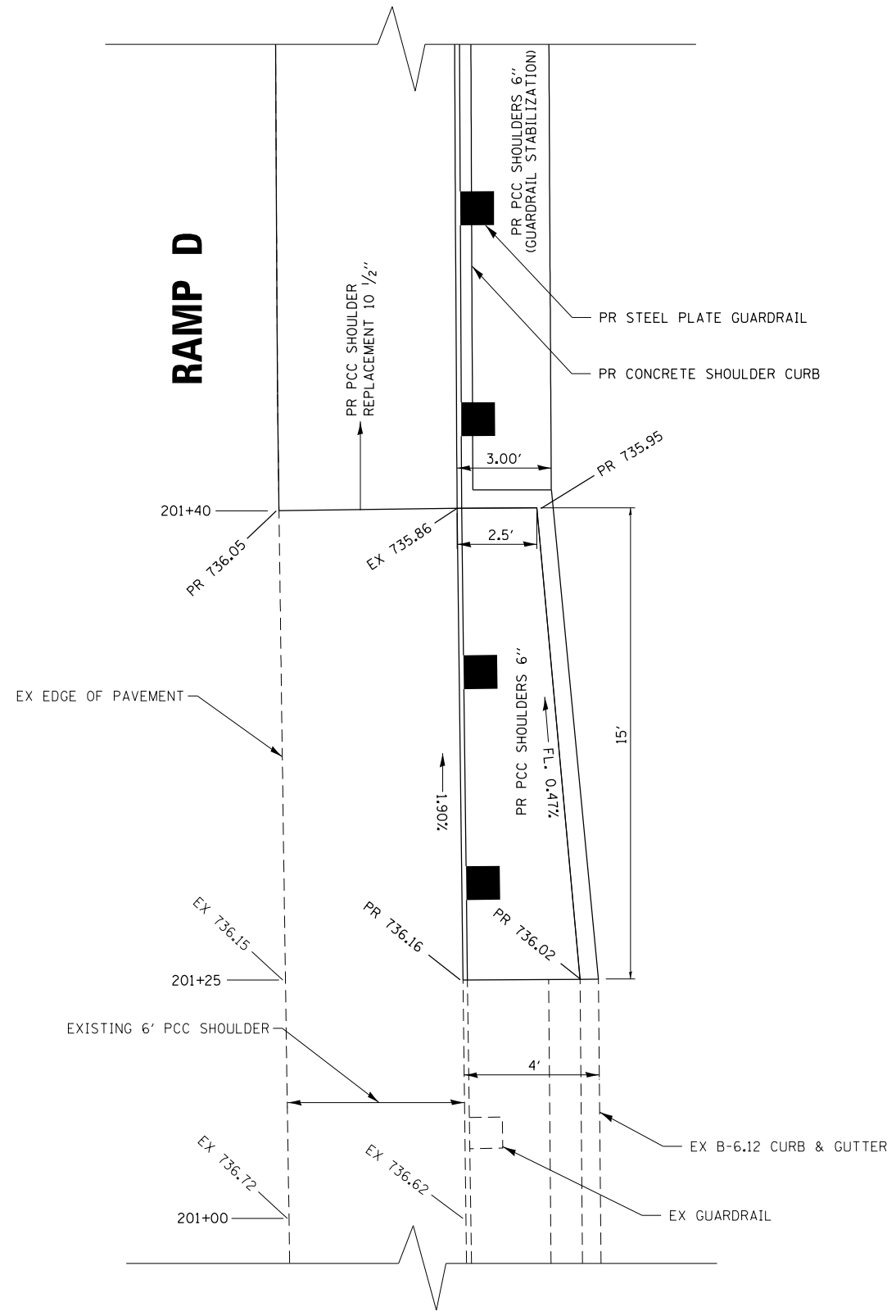
SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. 101+00 TO STA. 115+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	19
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

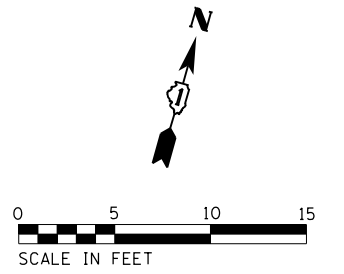
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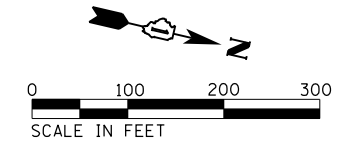
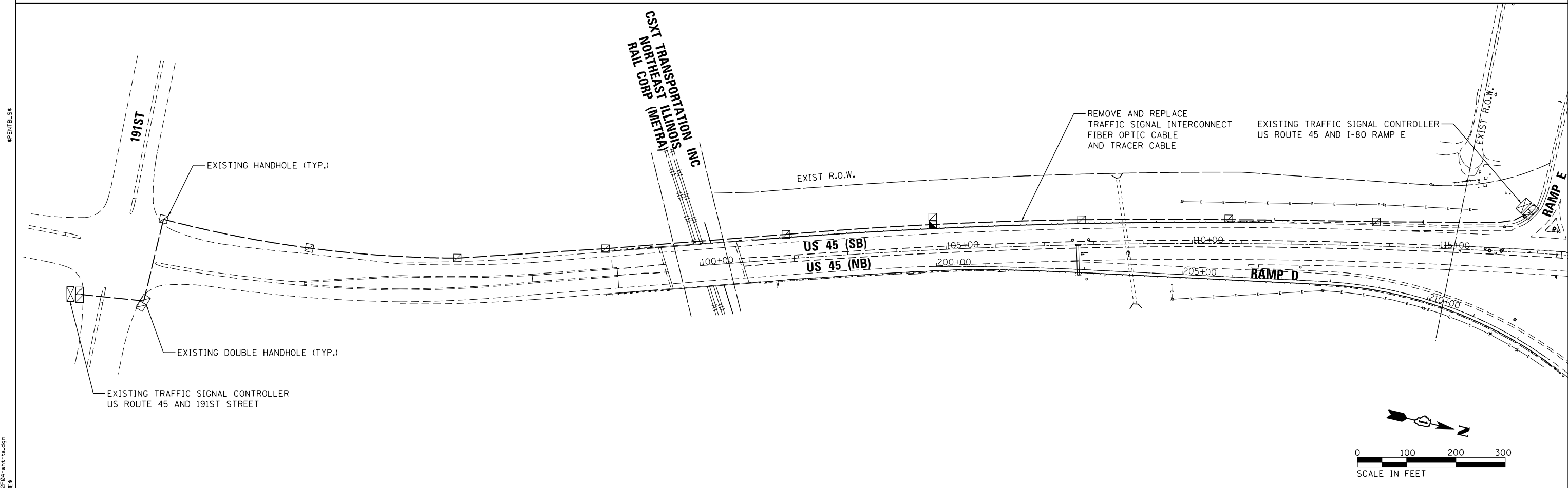
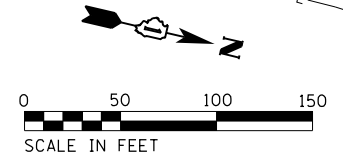
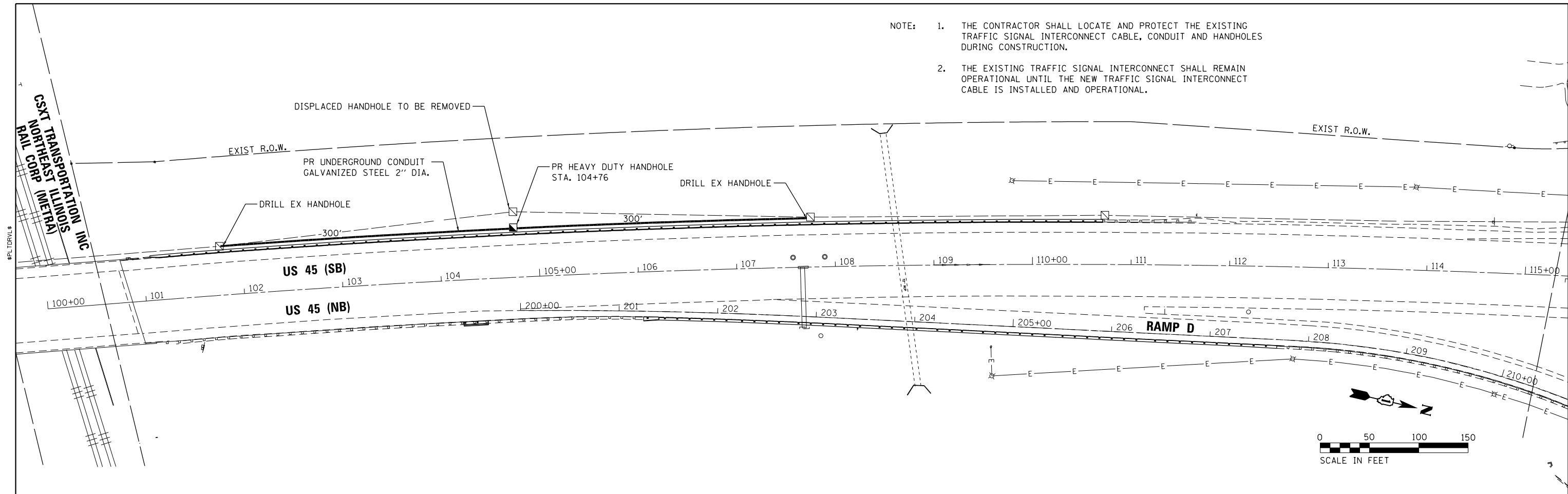
CURB TRANSITION DETAIL



USER NAME = jpang	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 5.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 12/4/2017	DATE -	REVISED -

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	20
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

- NOTE:
1. THE CONTRACTOR SHALL LOCATE AND PROTECT THE EXISTING TRAFFIC SIGNAL INTERCONNECT CABLE, CONDUIT AND HANDHOLES DURING CONSTRUCTION.
 2. THE EXISTING TRAFFIC SIGNAL INTERCONNECT SHALL REMAIN OPERATIONAL UNTIL THE NEW TRAFFIC SIGNAL INTERCONNECT CABLE IS INSTALLED AND OPERATIONAL.



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CHASTAIN & ASSOCIATES LLC
 CONSULTING ENGINEERS
 184-001397

USER NAME = jpong	DESIGNED -	REVISED -
PLOT SCALE = 100.000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/4/2017	CHECKED -	REVISED -
	DATE -	REVISED -




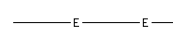

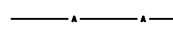
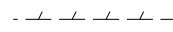
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US ROUTE 45 AT I-80
 TRAFFIC SIGNAL INTERCONNECT CONDUIT AND CABLE PLAN

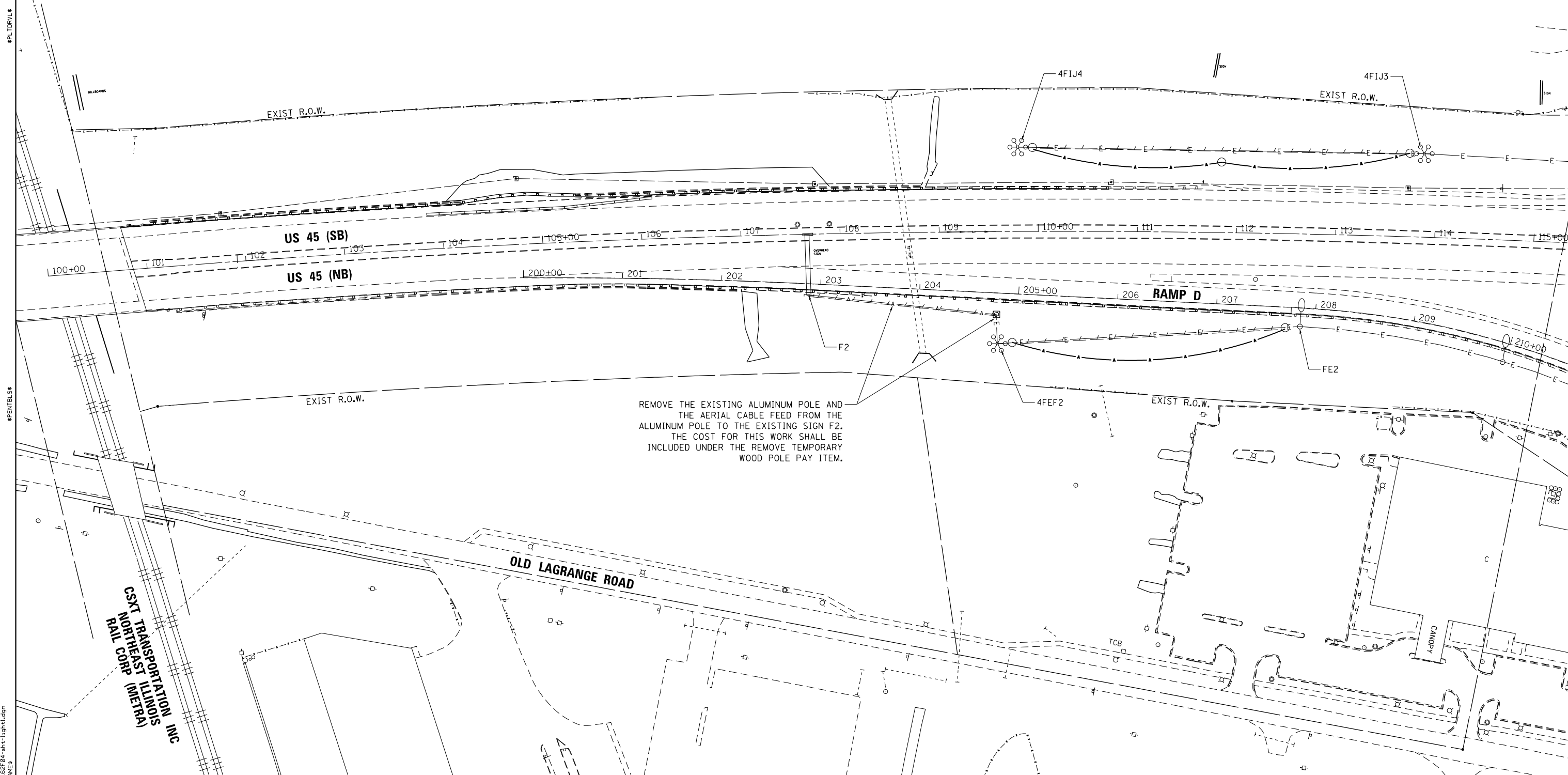
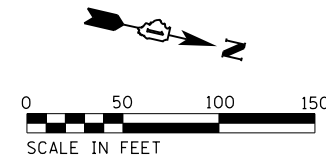
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	21
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND

-  EXISTING LIGHTING UNIT
-  EXISTING HIGH MAST LIGHT TOWER
-  EXISTING ALUMINUM POLE
-  EXISTING UNIT DUCT
-  TEMPORARY WOOD POLE
-  AERIAL CABLE 3-1/C #2 WITH MESSENGER WIRE
-  REMOVAL ITEM

- NOTE: 1. THE EXISTING UNIT DUCT RUNS IN BETWEEN LIGHT TOWERS 4FIJ4 AND 4FIJ3 AND BETWEEN LIGHT TOWER 4FEF2 AND LIGHT POLE FE2 ARE IN CONFLICT WITH THE PROPOSED WORK.
2. THE CONTRACTOR SHALL CUT THE EXISTING UNIT DUCT RUNS (LENGTH AS NEEDED) AND ATTACH THE UNIT DUCT TO THE TEMPORARY WOOD POLES AND CONNECT TO THE AERIAL CABLE AS SHOWN BELOW. THE COST FOR THIS WORK SHALL BE INCLUDED UNDER THE AERIAL CABLE PAY ITEM.
3. NEW FUSE KITS SHALL BE PROVIDED AT EACH LIGHT TOWER/LIGHT POLE AFFECTED BY THE PROPOSED WORK. THE COST FOR THE FUSE KITS AND WORK SHALL BE INCLUDED IN THE UNIT DUCT PAY ITEM.



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USER NAME = jpong	DESIGNED -	REVISED -
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

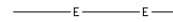
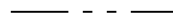
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

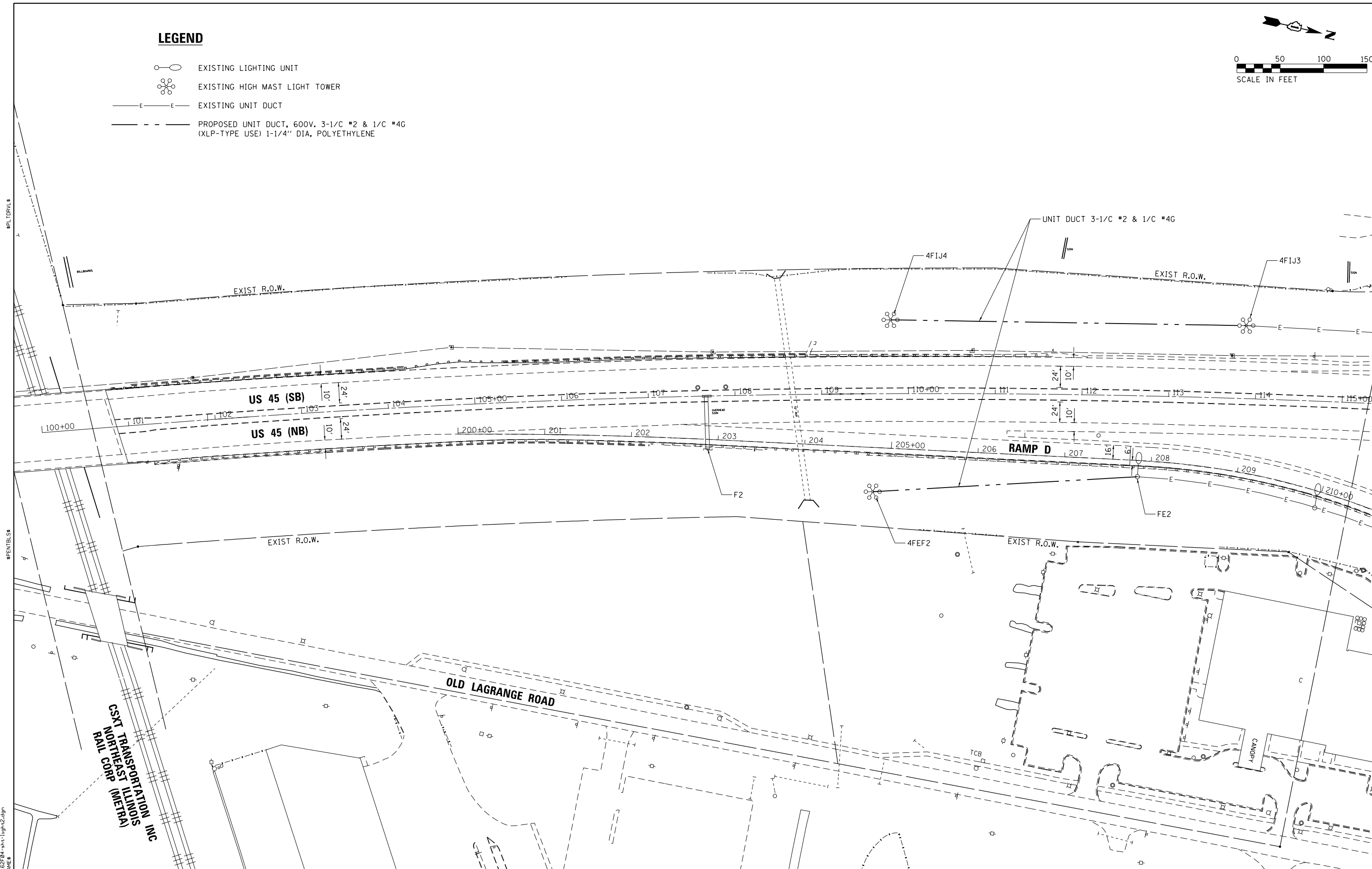
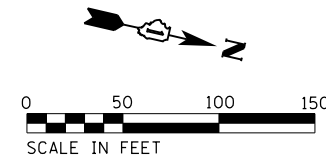
**US ROUTE 45 AT I-80
 TEMPORARY ELECTRICAL PLAN SHEET**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 21A
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

LEGEND

-  EXISTING LIGHTING UNIT
-  EXISTING HIGH MAST LIGHT TOWER
-  EXISTING UNIT DUCT
-  PROPOSED UNIT DUCT, 600V, 3-1/C #2 & 1/C #4G
(XLP-TYPE USE) 1-1/4" DIA, POLYETHYLENE



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 \$PLOTDRVL\$

CHASTAIN & ASSOCIATES LLC
CONSULTING ENGINEERS
184-001397

USER NAME = jpong	DESIGNED -	REVISED -
PLOT SCALE = 100.000' / in.	DRAWN -	REVISED -
PLOT DATE = 12/14/2017	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**US ROUTE 45 AT I-80
PROPOSED ELECTRICAL PLAN SHEET**

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 21B
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE U.S. Route 45 DESCRIPTION U.S. Route 45 Embankment LOGGED BY D.K.

SECTION N/A LOCATION US Route 45, Mokena, Illinois

COUNTY Will County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. N/A
Station N/A

BORING NO. B-01
Station 104+66.61
Offset 40.31LT
Ground Surface Elev. 738.08 ft

Description	Elev. (ft)	D (ft)	B (/6")	U (tsf)	M (%)	Description	Elev. (ft)	D (ft)	B (/6")	U (tsf)	M (%)
Gray, CONCRETE	737.08					Medium stiff to hard, brown and gray, silty CLAY, trace sand and gravel (POSSIBLE FILL) (A-6) (continued)					
Medium dense, gray, GRAVEL, trace sand and fines (POSSIBLE FILL) (A-1)	735.08										
		5						6	8.5		22
		5						6	B		
		6						12			
Medium stiff to hard, brown and gray, silty CLAY, trace sand and gravel (POSSIBLE FILL) (A-6)		3	2.1		19			4	5.0		20
		3	B					6	B		
		-5	6					-25	10		
		2	1.9		24			5	4.5		19
		3	B					8	B		
		5						11			
		3	6.2		20			6	8.2		22
		5	B					7	B		
		-10	8					-30	13		
		3	5.0		20			7	7.8		17
		5	B					15	B		
		7						-35	19		
		6			23			5	4.7		15
		4	3.1		24			6	B		
		4	B					-40	11		
		-20	9								

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

ROUTE U.S. Route 45 DESCRIPTION U.S. Route 45 Embankment LOGGED BY D.K.

SECTION N/A LOCATION US Route 45, Mokena, Illinois

COUNTY Will County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. N/A
Station N/A

BORING NO. B-01
Station 104+66.61
Offset 40.31LT
Ground Surface Elev. 738.08 ft

Description	Elev. (ft)	D (ft)	B (/6")	U (tsf)	M (%)	Description	Elev. (ft)	D (ft)	B (/6")	U (tsf)	M (%)
Medium stiff to hard, brown and gray, silty CLAY, trace sand and gravel (POSSIBLE FILL) (A-6) (continued)						Stiff to very stiff, gray, silty CLAY, trace sand and gravel (A-6) (continued)					
		5	2.5		16	Medium stiff, gray, sandy CLAY with silt, trace gravel (A-6)	674.58	3			14
		5	B					2			
		-45	8					-65	3		
		5	4.7		16	Very stiff, gray, silty CLAY, trace sand and gravel (A-6)	669.58	5	3.1		17
		6	B					6	B		
		-10	10					-70	10		
		4	3.1		12	Stiff to very stiff, gray, silty CLAY, trace sand and gravel (A-6)	688.08	4			
		4	B					4			
		-55	7					-75			
		5	3.3		15			5			
		5	B					5			
		-60	10					-80			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

\$PLTDRVL\$

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ROUTE U.S. Route 45 DESCRIPTION U.S. Route 45 Embankment LOGGED BY J.W.

SECTION N/A LOCATION US Route 45, Mokena, Illinois

COUNTY Will County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. N/A
Station N/A
BORING NO. B-02
Station 104+92.83
Offset 121.36LT
Ground Surface Elev. 704.84 ft

DEPTH (ft)	BLOWS	UCS (tsf)	SPT (%)	DESCRIPTION	DEPTH (ft)	BLOWS	UCS (tsf)	SPT (%)
703.67	—	—	—	Black and brown TOPSOIL	—	—	—	—
— 4	4.3	15	—	Stiff to very stiff, brown and gray, silty CLAY, trace sand and gravel (A-6)	— 3	1.7	13	—
— 5	B	—	— 4		B	15	—	
— 6	—	—	— 5		—	—	—	
— 4	3.7	20	—	Medium stiff to very stiff, gray silty CLAY, trace sand and gravel (A-6) (continued)	— 3	1.6	15	—
— 6	B	—	— 4		B	—	—	
— 8	—	—	-25 8		—	—	—	
— 5	6.8	15	—	End of boring at approximately 30 feet below existing grade. Free groundwater was not observed during the drilling operations.	— 3	2.1	17	—
— 9	B	—	— 4		B	—	—	
— 12	—	—	— 6		—	—	—	
— 3	2.7	15	—	Medium stiff to very stiff, gray silty CLAY, trace sand and gravel (A-6)	— 3	2.1	19	—
— 4	B	—	— 4		B	—	—	
-10 6	—	—	674.84 -30 6		—	—	—	
691.34	—	—	—	End of boring at approximately 30 feet below existing grade. Free groundwater was not observed during the drilling operations.	— 3	3.5	16	—
— 5	B	—	— 5		B	—	—	
-15 9	—	—	— 8		—	—	—	
— 4	6.0	13	—	Stiff to very stiff, gray, silty CLAY, trace sand and gravel (A-6)	— 3	1.7	14	—
— 5	B	—	— 4		B	—	—	
-15 9	—	—	-35		—	—	—	
— 3	0.8	12	—	End of boring at approximately 30 feet below existing grade. Free groundwater was not observed during the drilling operations.	— 2	2.9	14	—
— 3	B	—	— 5		B	—	—	
— 5	—	—	— 6		—	—	—	
— 4	—	—	—	Stiff to very stiff, gray, silty CLAY, trace sand and gravel (A-6)	— 4	3.1	15	—
— 4	—	—	— 6		B	—	—	
-20 12	—	—	-40		—	—	—	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

ROUTE U.S. Route 45 DESCRIPTION U.S. Route 45 Embankment LOGGED BY J.W.

SECTION N/A LOCATION US Route 45, Mokena, Illinois

COUNTY Will County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. N/A
Station N/A
BORING NO. B-03
Station 106+48.44
Offset 122.36LT
Ground Surface Elev. 702.43 ft

DEPTH (ft)	BLOWS	UCS (tsf)	SPT (%)	DESCRIPTION	DEPTH (ft)	BLOWS	UCS (tsf)	SPT (%)
701.26	—	—	—	Black and brown, TOPSOIL	—	—	—	—
— 2	3.7	21	—	Stiff to very stiff, gray, silty CLAY, trace sand and gravel (A-6) (continued)	— 3	2.1	18	—
— 3	B	—	— 3		B	—	—	
— 6	—	—	— 7		—	—	—	
— 2	3.1	18	—	Medium stiff to very stiff, brown and gray, silty CLAY, trace sand and gravel (A-6)	— 3	1.9	19	—
— 3	B	—	— 4		B	—	—	
-5 5	—	—	-25 6		—	—	—	
— 3	6.2	17	—	End of boring at approximately 30 feet below existing grade. Free groundwater was not observed during the drilling operations.	— 3	2.3	15	—
— 5	B	—	— 5		B	—	—	
— 8	—	—	— 8		—	—	—	
— 4	4.5	20	—	Stiff to very stiff, gray, silty CLAY, trace sand and gravel (A-6)	— 5	2.7	18	—
— 9	B	—	— 7		B	—	—	
-10 10	—	—	672.43 -30 10		—	—	—	
688.43	—	—	—	End of boring at approximately 30 feet below existing grade. Free groundwater was not observed during the drilling operations.	— 3	5.0	14	—
— 3	B	—	— 4		B	—	—	
-15 6	—	—	— 6		—	—	—	
— 2	2.9	14	—	Stiff to very stiff, gray, silty CLAY, trace sand and gravel (A-6)	— 2	1.7	14	—
— 5	B	—	— 3		B	—	—	
— 6	—	—	— 6		—	—	—	
— 4	3.1	15	—	End of boring at approximately 30 feet below existing grade. Free groundwater was not observed during the drilling operations.	— 4	3.1	15	—
— 6	B	—	— 6		B	—	—	
-20 8	—	—	-40		—	—	—	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

\$PLOTDRVL\$

\$PENTBLS\$

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ROUTE U.S. Route 45 DESCRIPTION U.S. Route 45 Embankment LOGGED BY J.W.

SECTION N/A LOCATION US Route 45, Mokena, Illinois

COUNTY Will County DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. N/A
Station N/A

BORING NO. B-04
Station 108+25.84
Offset 149.6RT
Ground Surface Elev. 701.37 ft

D E P T H S	B L O W S	U C S Qu	M O I S T	Surface Water Elev. <u>N/A</u> ft	D E P T H S	B L O W S	U C S Qu	M O I S T
(ft)	(/6")	(tsf)	(%)	Stream Bed Elev. <u>N/A</u> ft	(ft)	(/6")	(tsf)	(%)

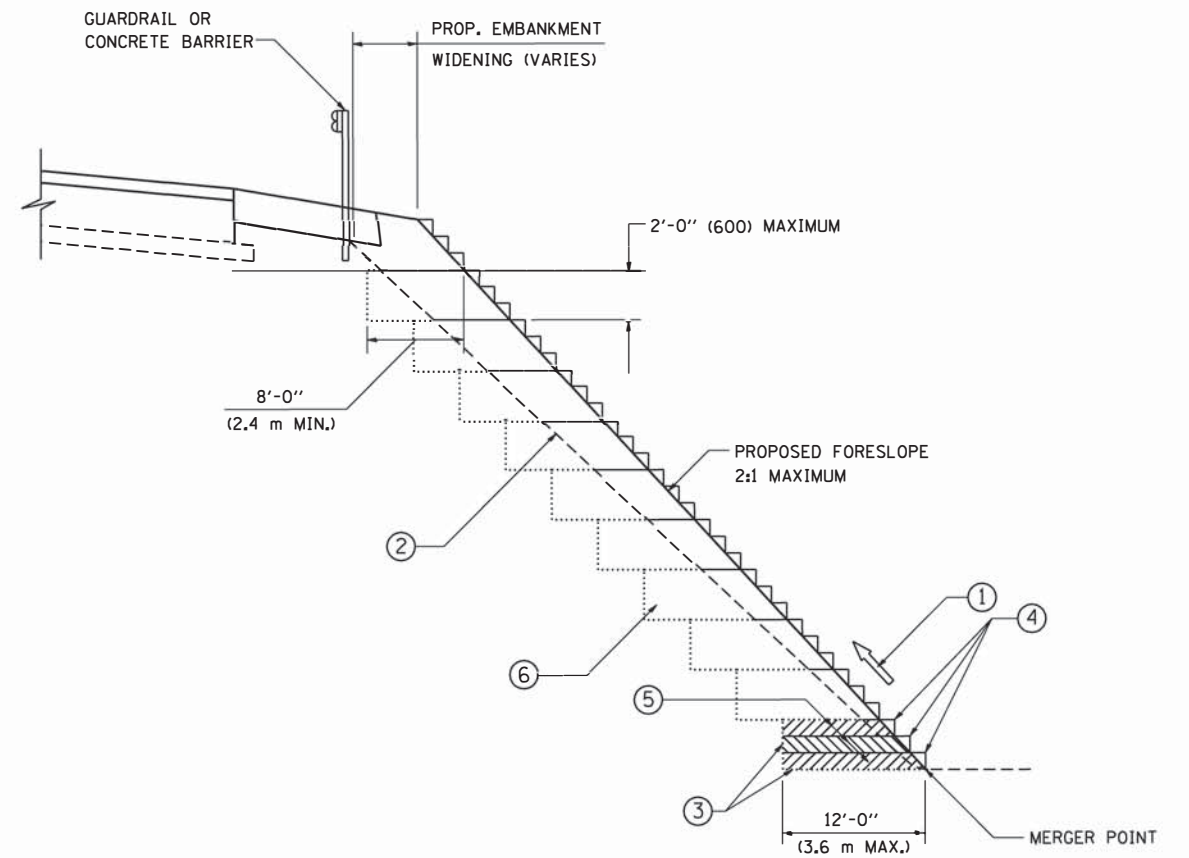
Black and brown, TOPSOIL	—			Medium stiff to very stiff, gray, silty CLAY, trace sand and gravel (A-6) (continued)	—			
	699.87	3	2.7		2	0.6	16	
Medium stiff to very stiff, brown and gray, silty CLAY, trace sand and gravel (A-6)	—	3	B		3	B		
	—	6			4			
	—	2	1.5		2	0.7	15	
	—	2	B		4	B		
	—	-5	6		-25	6		
	—							
	—	3	6.2		11			
	—	7	B		11			
	—	10			9			
	692.87							
Medium stiff to very stiff, gray, silty CLAY, trace sand and gravel (A-6)	—	3	6.8		4			
	—	6	B		6			
	—	-10	10		671.37	-30	9	
	—			End of boring at approximately 30 feet below existing grade.	—			
	—	2	1.4		—			
	—	4	B		—			
	—	4			—			
	—	2	1.7		—			
	—	4	B		—			
	—	-15	5		-35			
	—				—			
	—	5	0.4		—			
	—	3	B		—			
	—	4			—			
	—				—			
	—	3	1.2		—			
	—	5	B		—			
	—	-20	7		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

\$PLTDRVL\$

\$PENTBLS\$

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\$SYSPRINTER.NAME\$



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

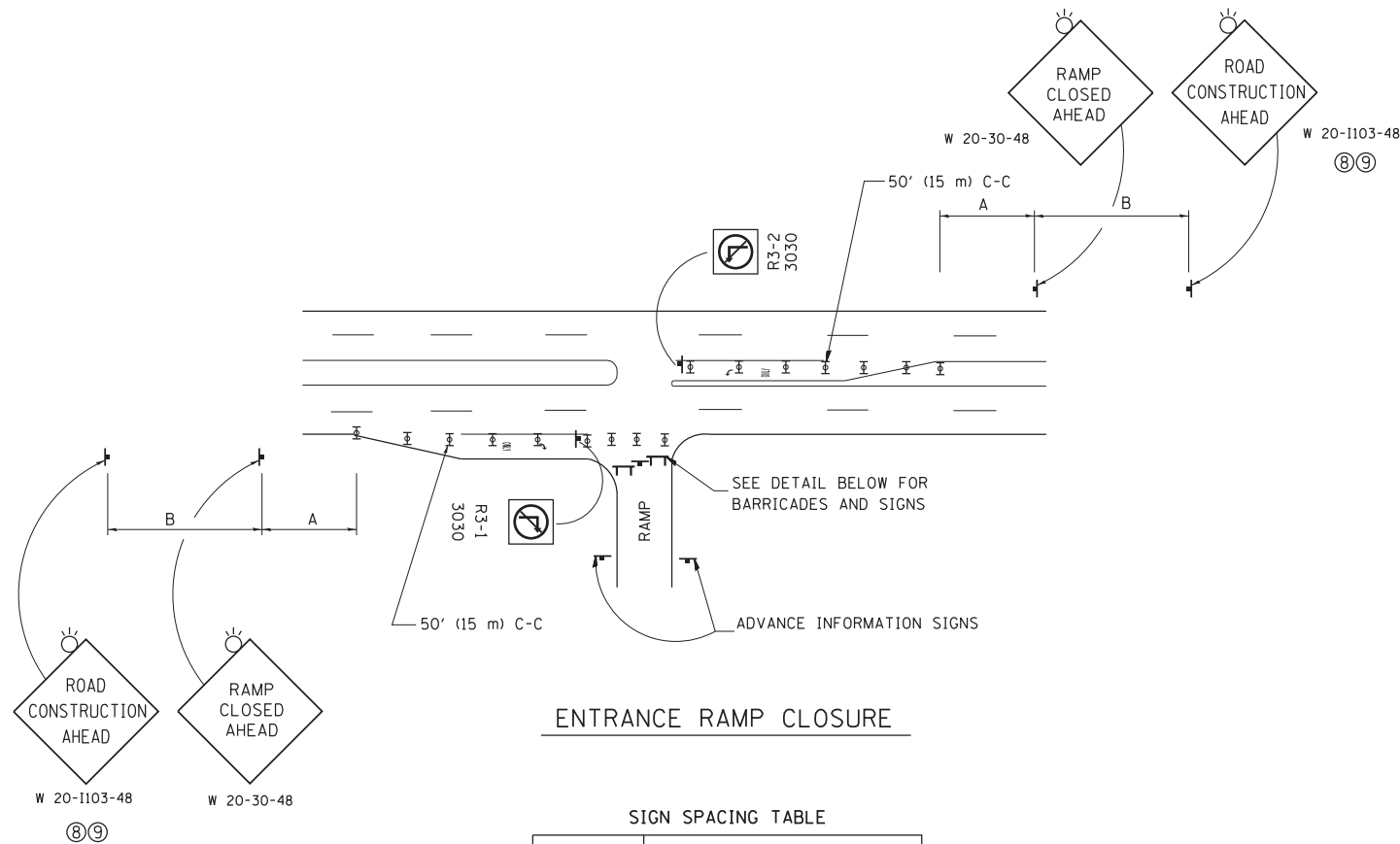
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.

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	PLOT DATE = 1/4/2008	DATE = 06-16-04	REVISED - REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BENCHING DETAIL			
FOR EMBANKMENT WIDENING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 25
BD-51		CONTRACT NO. 62F04		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

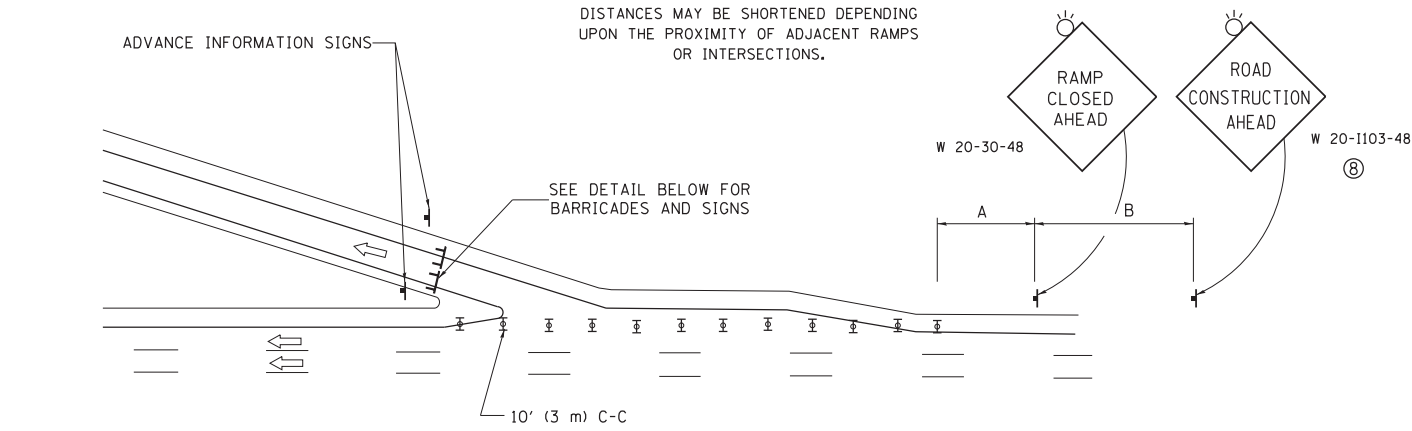


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY <24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

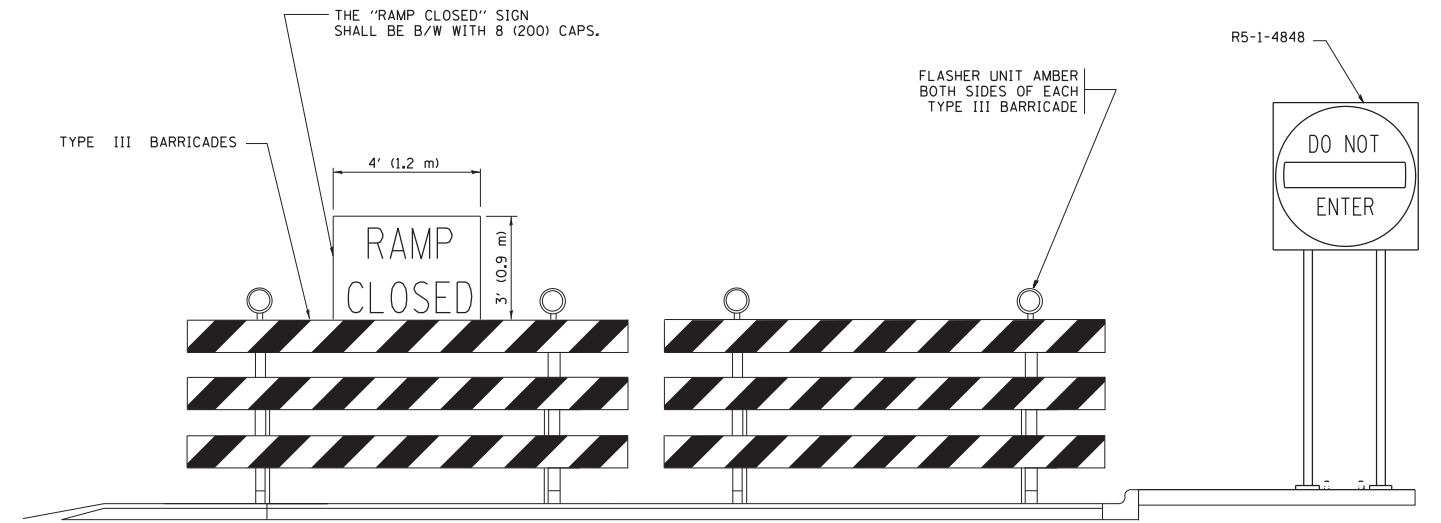
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

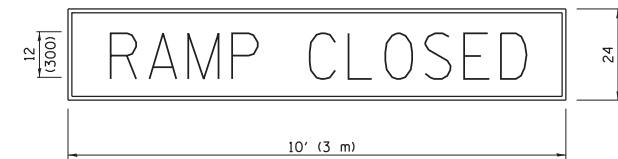
SYMBOLS

- ⊥ TYPE II BARRICADE OR DRUM
- ⊥ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



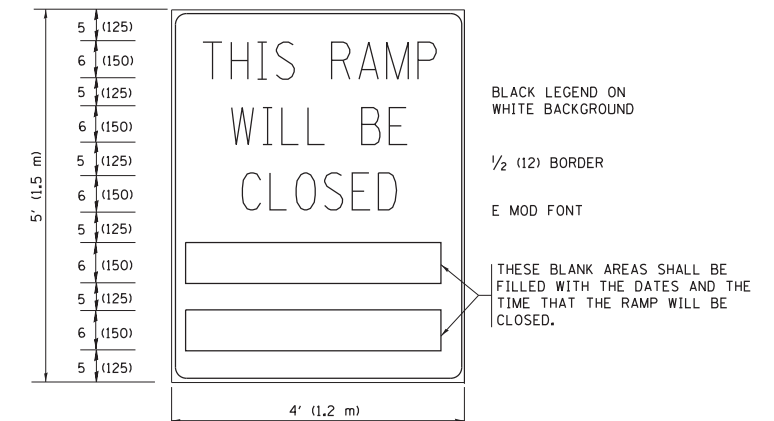
DETAIL FOR REQUIRED BARRICADES & SIGNS

RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER
THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND
1/2 (12) BORDER
E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

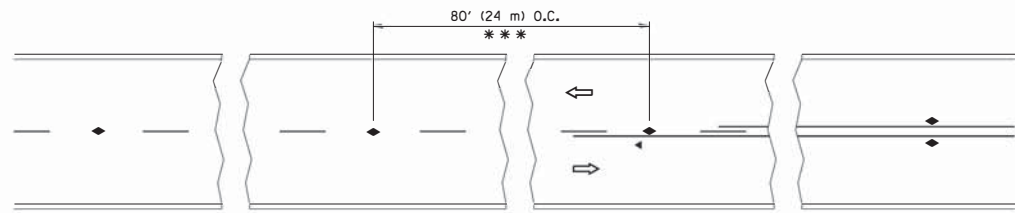
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	PLOT DATE = 11/27/2017		REVISED - M.D. 01-18

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ENTRANCE AND EXIT RAMP
CLOSURE DETAILS**

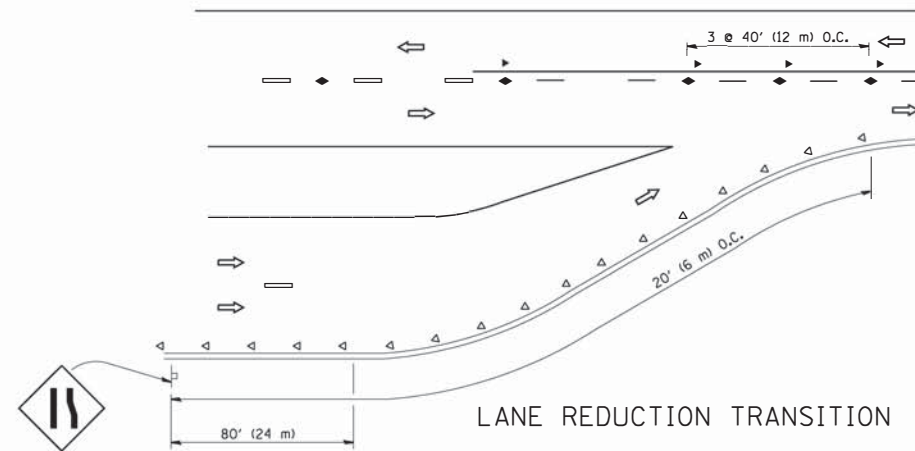
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	26
TC-08		CONTRACT NO. 62F04		
ILLINOIS FED. AID PROJECT				

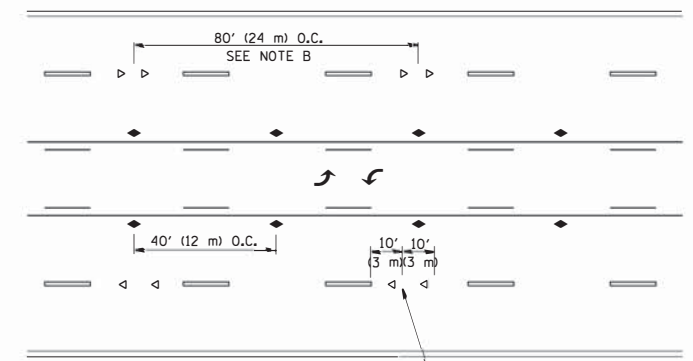


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

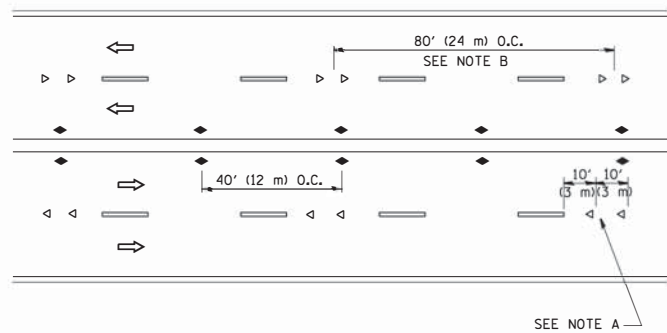
TWO-LANE/TWO-WAY



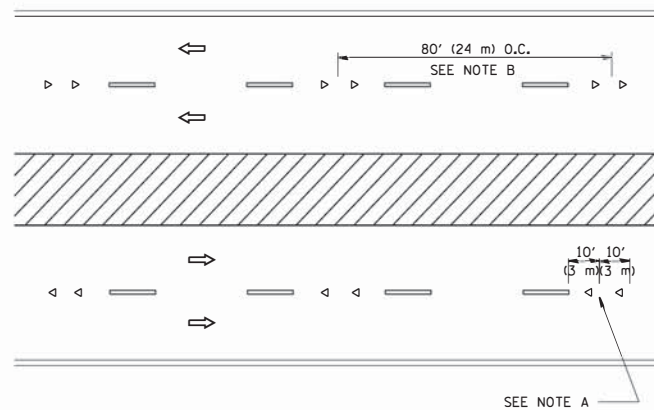
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

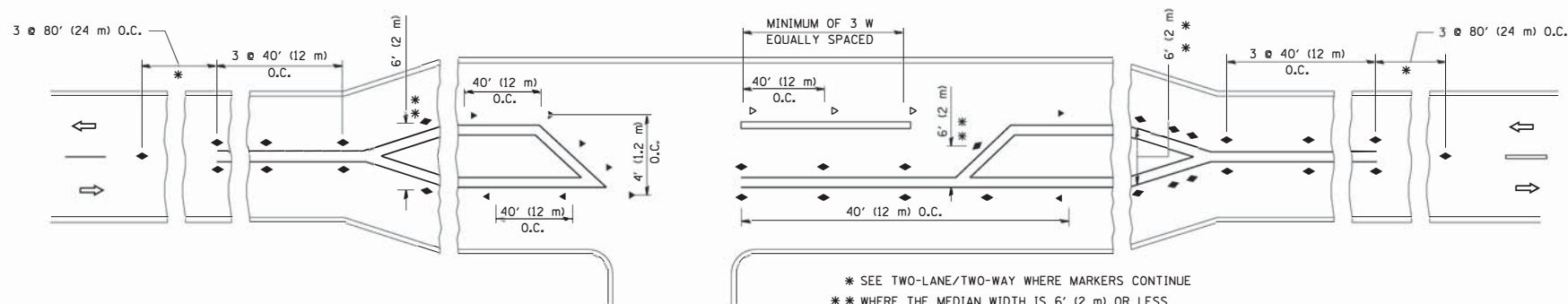
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

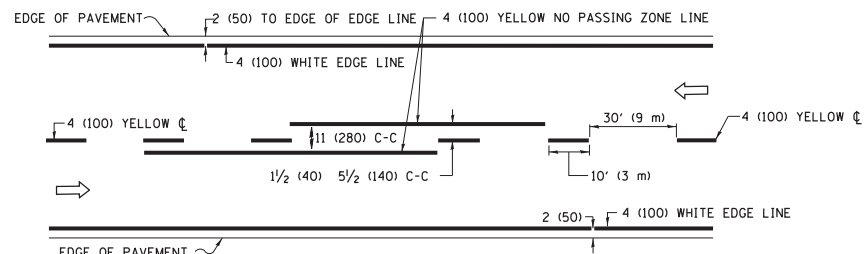
All dimensions are in inches (millimeters) unless otherwise shown.

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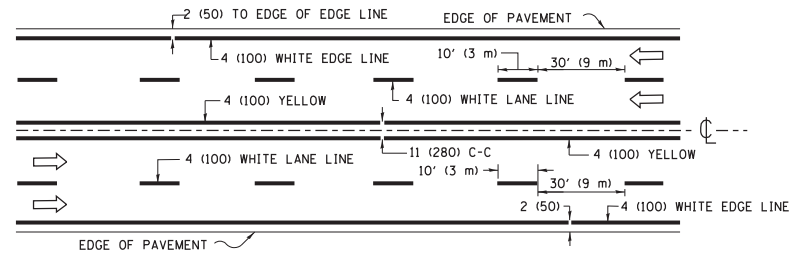
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
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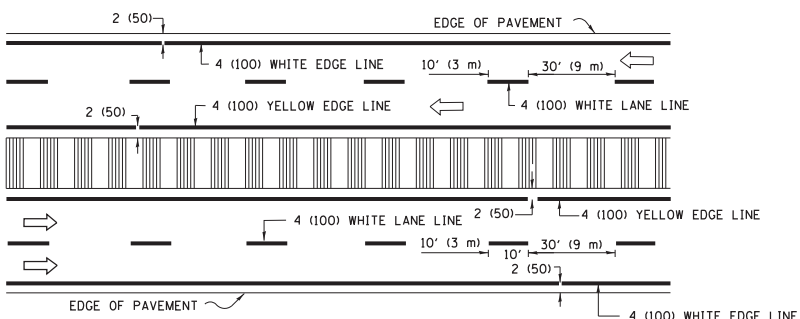
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	27
TC-11		CONTRACT NO. 62F04		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

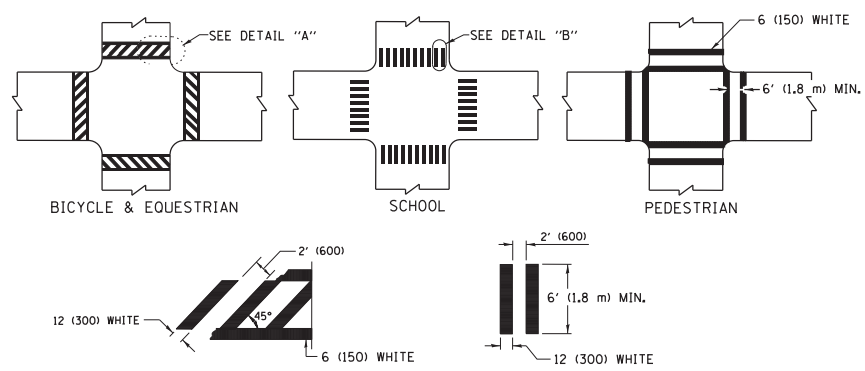


MULTI-LANE UNDIVIDED



MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

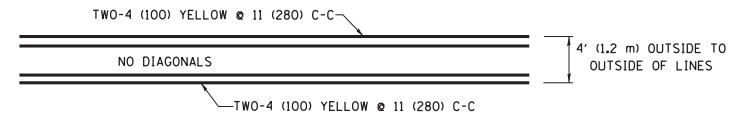


DETAIL "A"

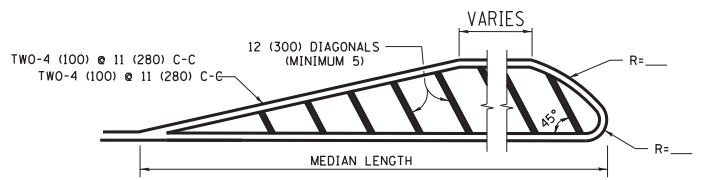
DETAIL "B"

TYPICAL CROSSWALK MARKING

* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES

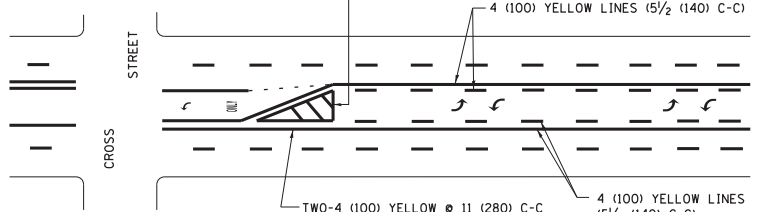


4' (1.2 m) WIDE MEDIANS ONLY

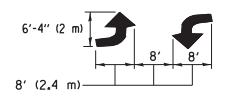


MEDIANS OVER 4' (1.2 m) WIDE

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

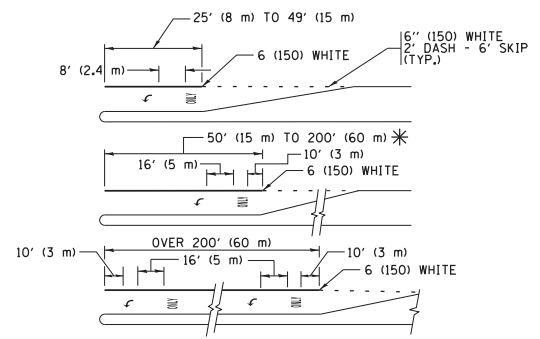


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

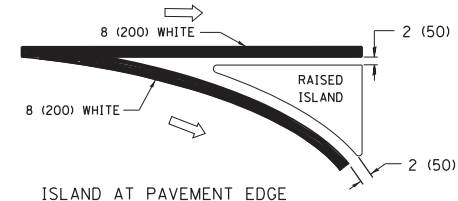
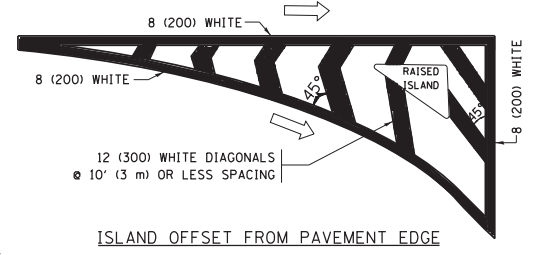


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

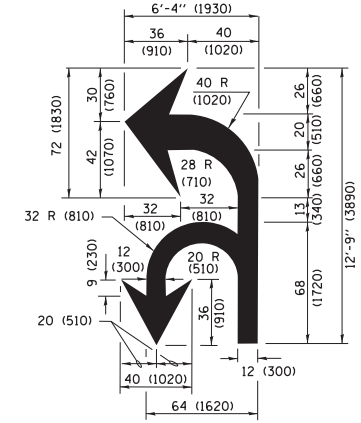
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

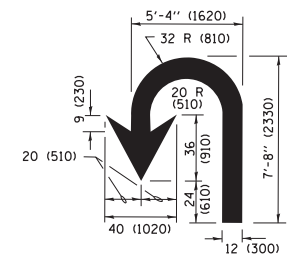
TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN

LANE REDUCTION TRANSITION

* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING /REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MEDIANS IN YELLOW
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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

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

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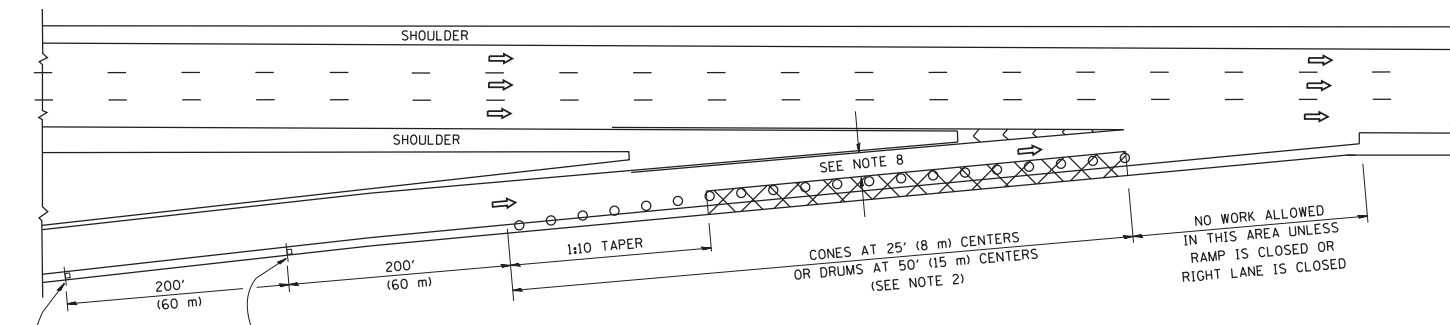
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

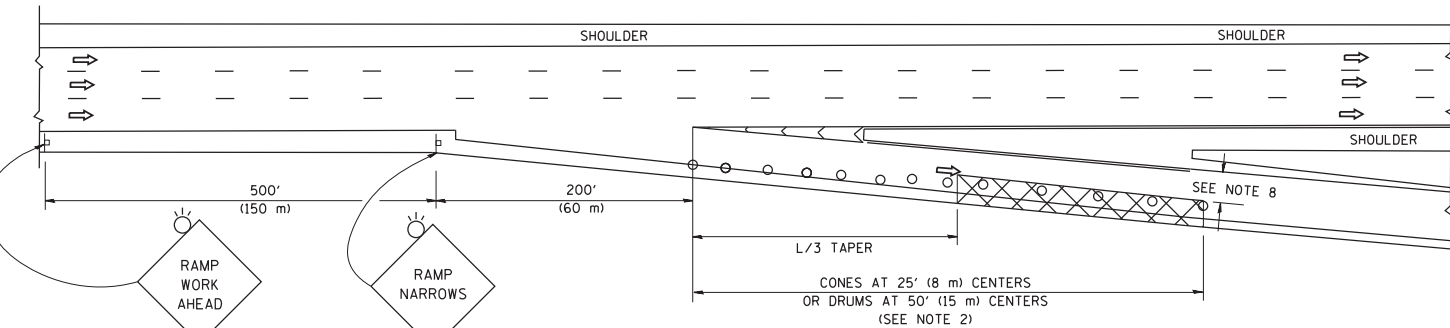
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	28
TC-13		CONTRACT NO. 62F04		
ILLINOIS FED. AID PROJECT				

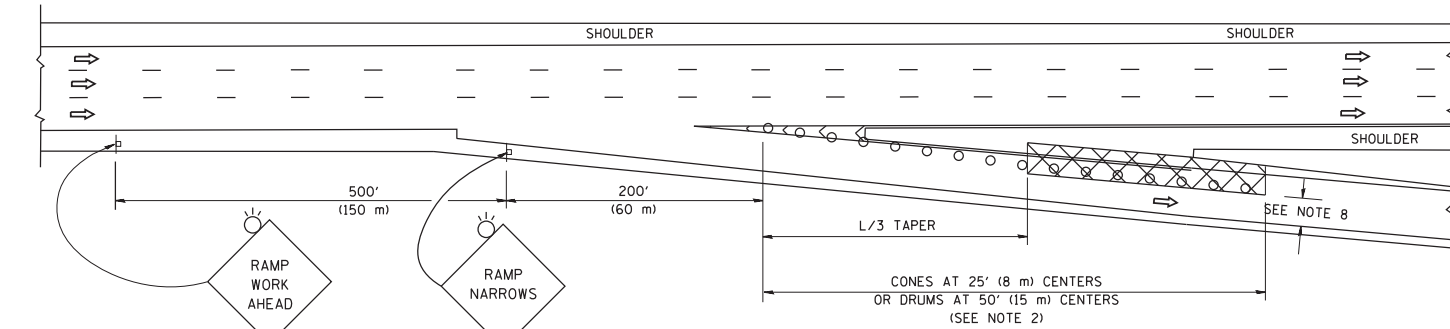
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

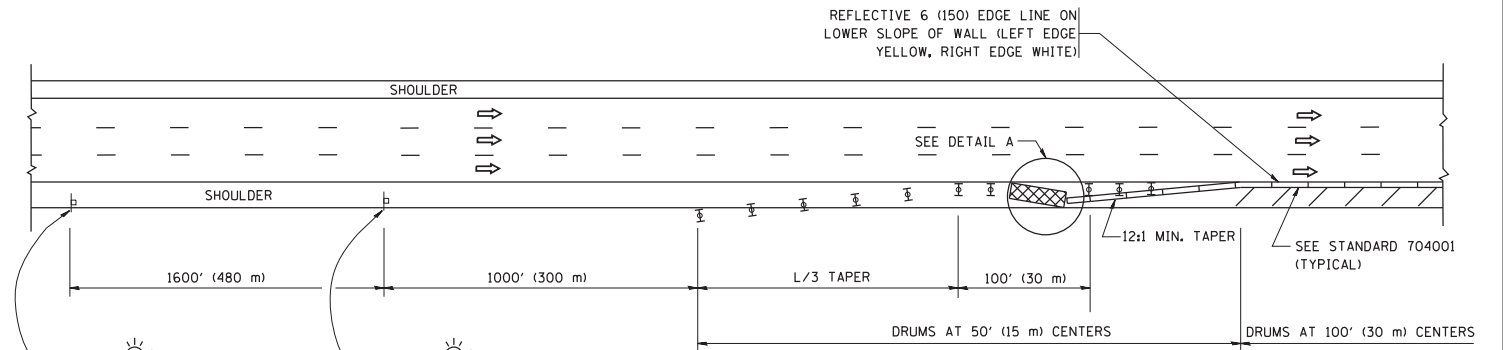
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

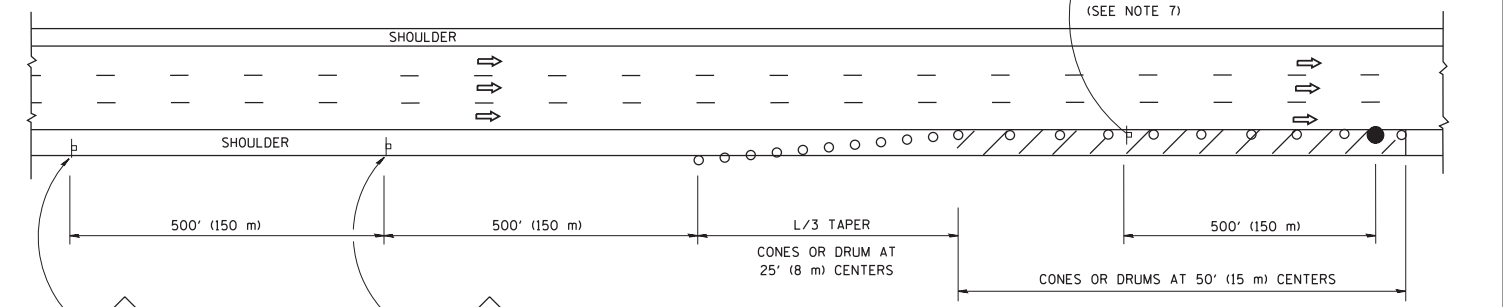
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	L=0.65(W)(S) L=(W)(S)
W = WIDTH OF OFFSET IN FEET (METERS)	
S = NORMAL POSTED SPEED MPH (KM/H)	
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

SHOULDER CLOSURE DETAILS

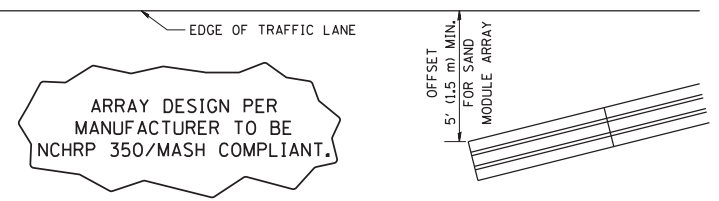


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



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

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

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pw:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\Dist 1\084EBID\CADD\Drawings\TC-17.dgn		CHECKED -	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 50.0000' / in.	DATE - 11-96	REVISED - M.D. 06-13
	PLOT DATE = 11/27/2017		REVISED - M.D. 01-18

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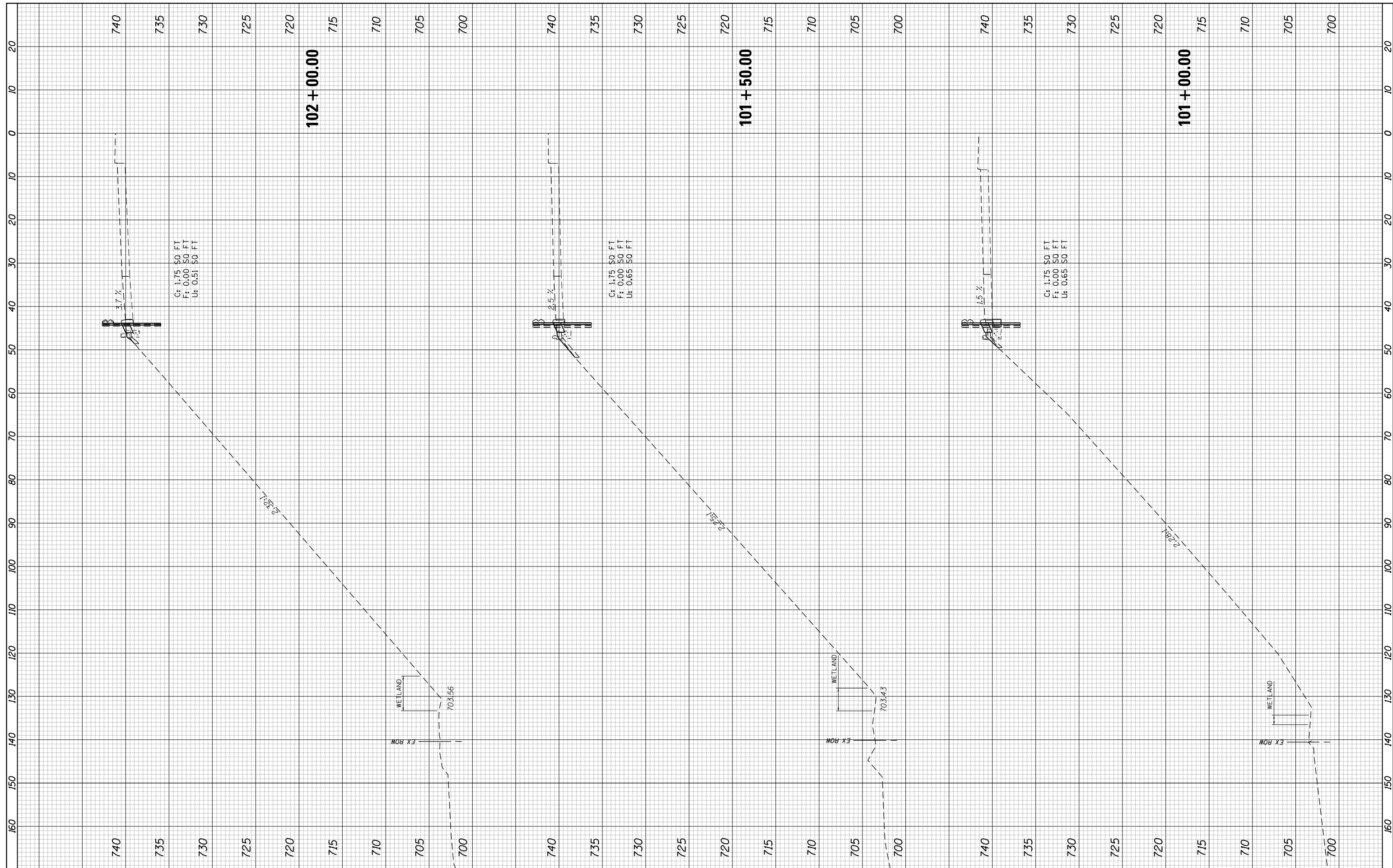
TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	104-SLP-T	WILL	43	30
TC-17		CONTRACT NO. 62F04		
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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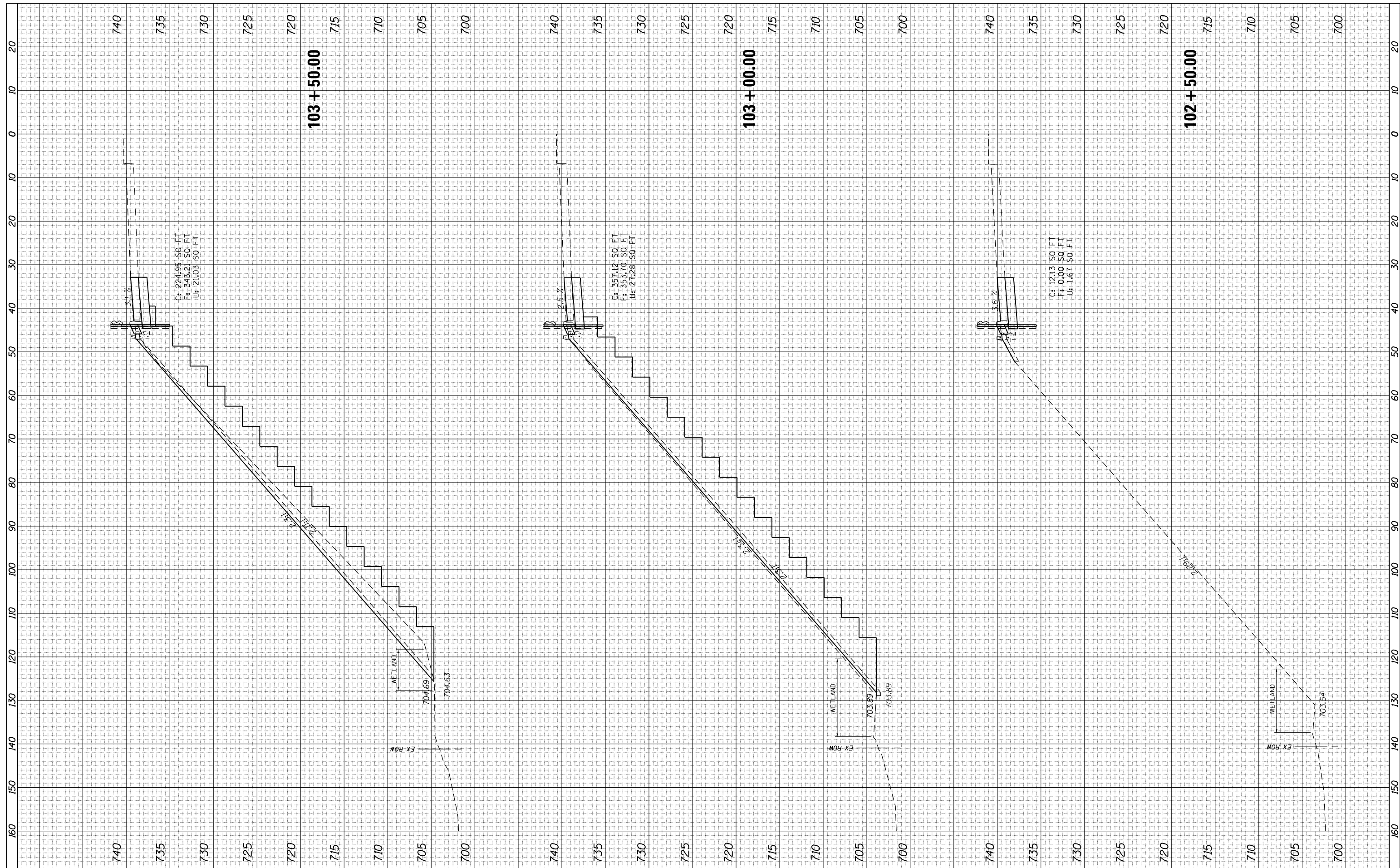
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**US ROUTE 45 AT I-80
 EXISTING AND PROPOSED CROSS SECTIONS - WEST SIDE**
 SCALE: 1:10H/1:5V SHEET 1 OF 8 SHEETS STA. 102+50.00 TO STA.102+00.00

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 31
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

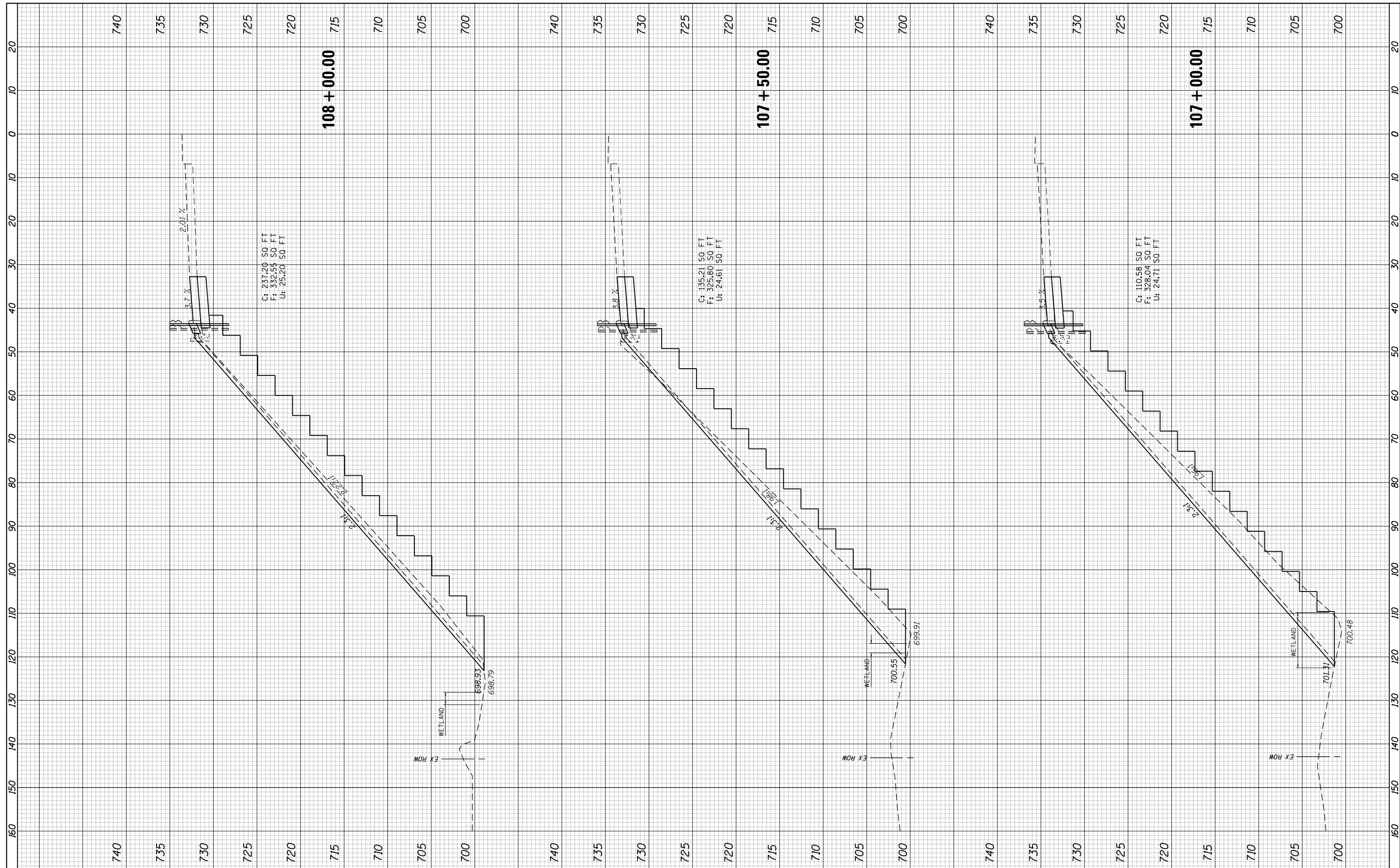
**US ROUTE 45 AT I-80
 EXISTING AND PROPOSED CROSS SECTIONS - WEST SIDE**

SCALE: 1:10H/15V SHEET 1 OF 8 SHEETS STA. 102+50.00 TO STA. 103+50.00

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 32
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



C: 237.20 SO FT
F: 332.55 SO FT
U: 25.20 SO FT

C: 135.21 SO FT
F: 325.80 SO FT
U: 24.61 SO FT

C: 110.58 SO FT
F: 328.04 SO FT
U: 24.71 SO FT

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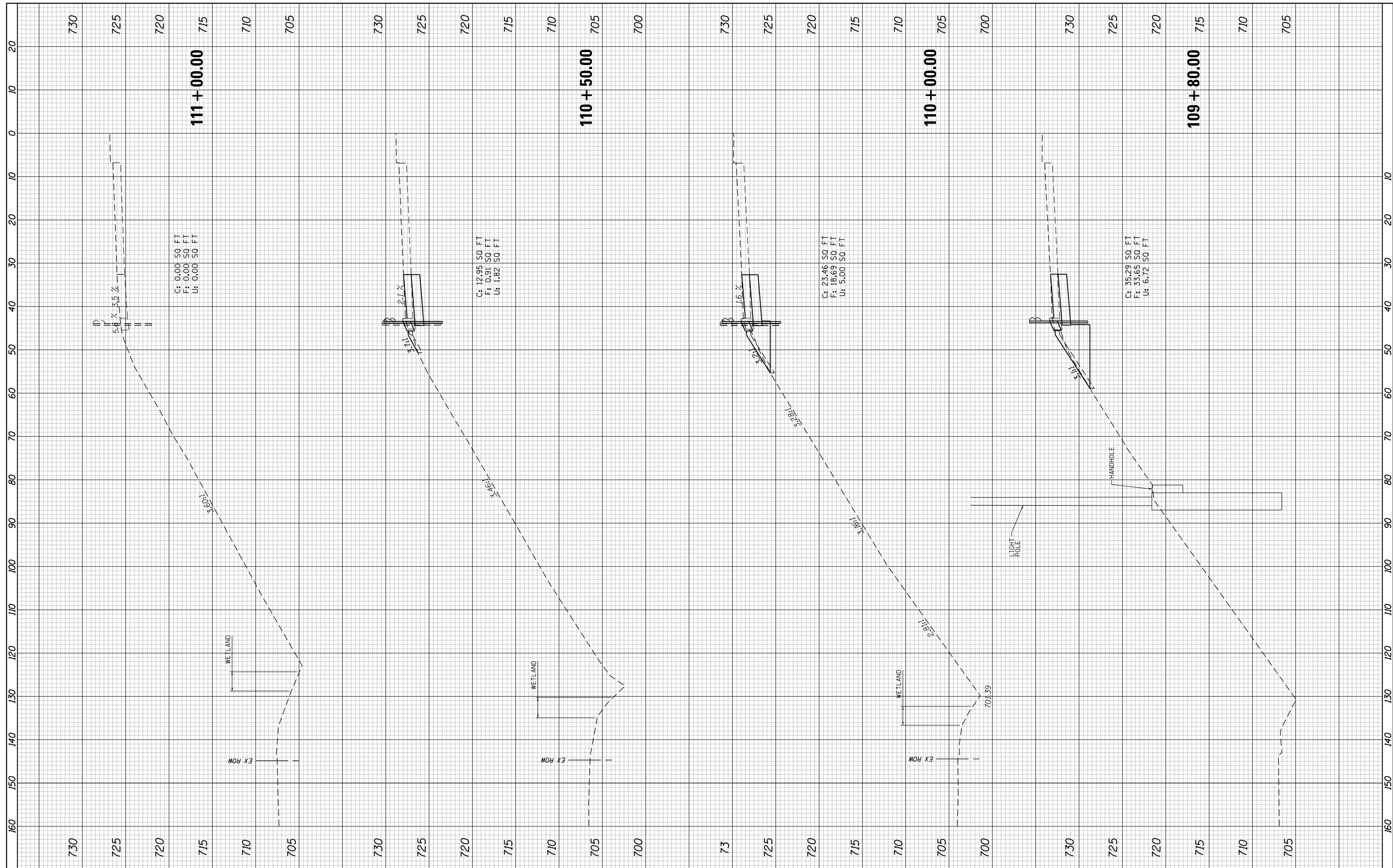
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**IUS ROUTE 45 AT I-80
EXISTING AND PROPOSED CROSS SECTIONS - WEST SIDE**
SCALE: 1:10H/1:5V SHEET 3 OF 8 SHEETS STA. 107+00.00 TO STA. 108+00.00

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 35
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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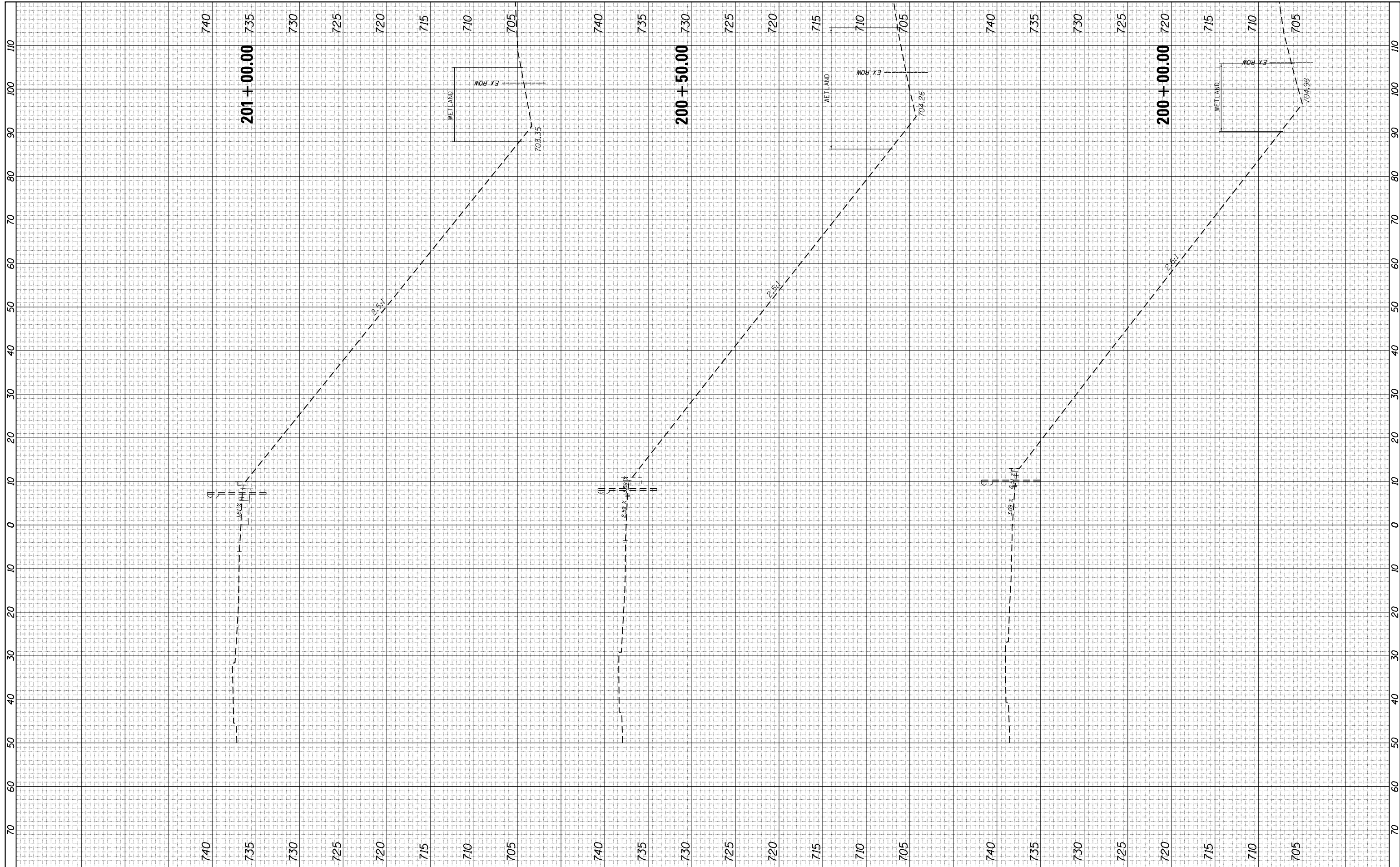
**STATE OF ILLINOIS
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**US ROUTE 45 AT I-80
 EXISTING AND PROPOSED CROSS SECTIONS - WEST SIDE**
 SCALE: 1:10H/15V SHEET 5 OF 8 SHEETS STA. 110+00.00 TO STA. 111+00.00

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 37
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

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

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

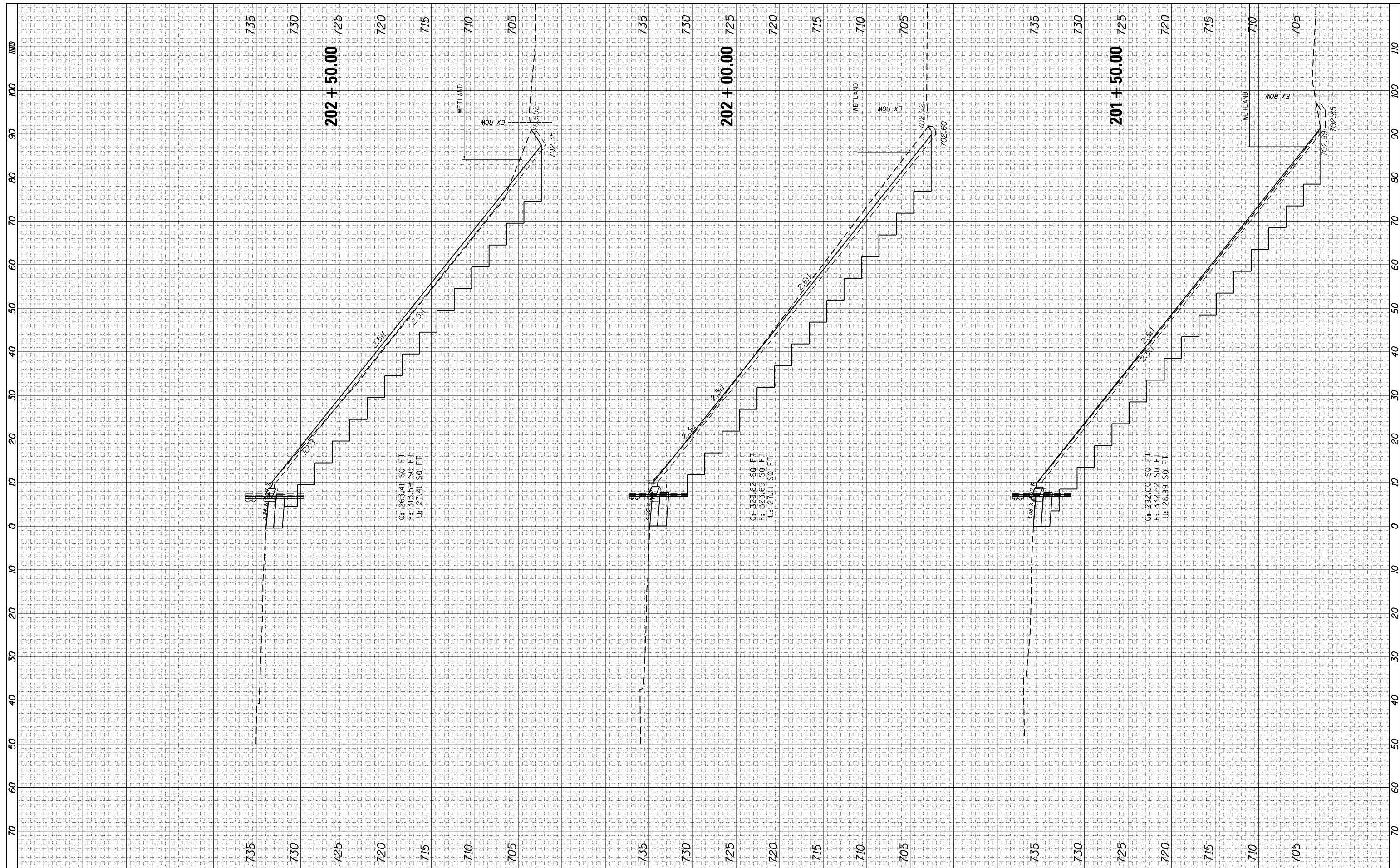
**US ROUTE 45 AT I-80
 EXISTING AND PROPOSED CROSS SECTIONS - RAMP D**

SCALE: SHEET OF SHEETS STA. 200+00.00 TO STA. 201+00.00

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 38
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

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

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



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

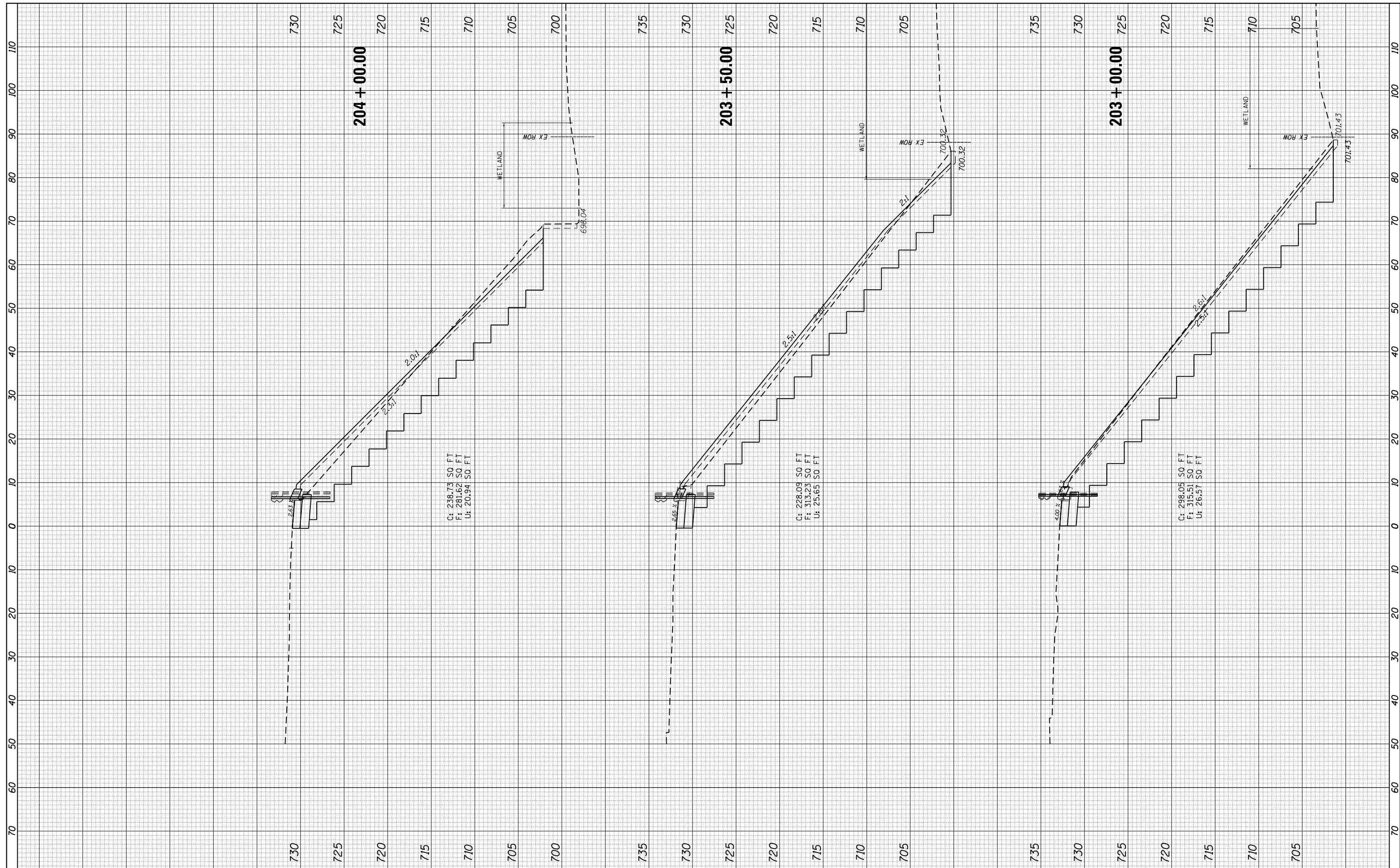
**US ROUTE 45 AT I-80
EXISTING AND PROPOSED CROSS SECTIONS - RAMP D**

SCALE: SHEET OF SHEETS STA. 201+50.00 TO STA. 202+50.00

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 39
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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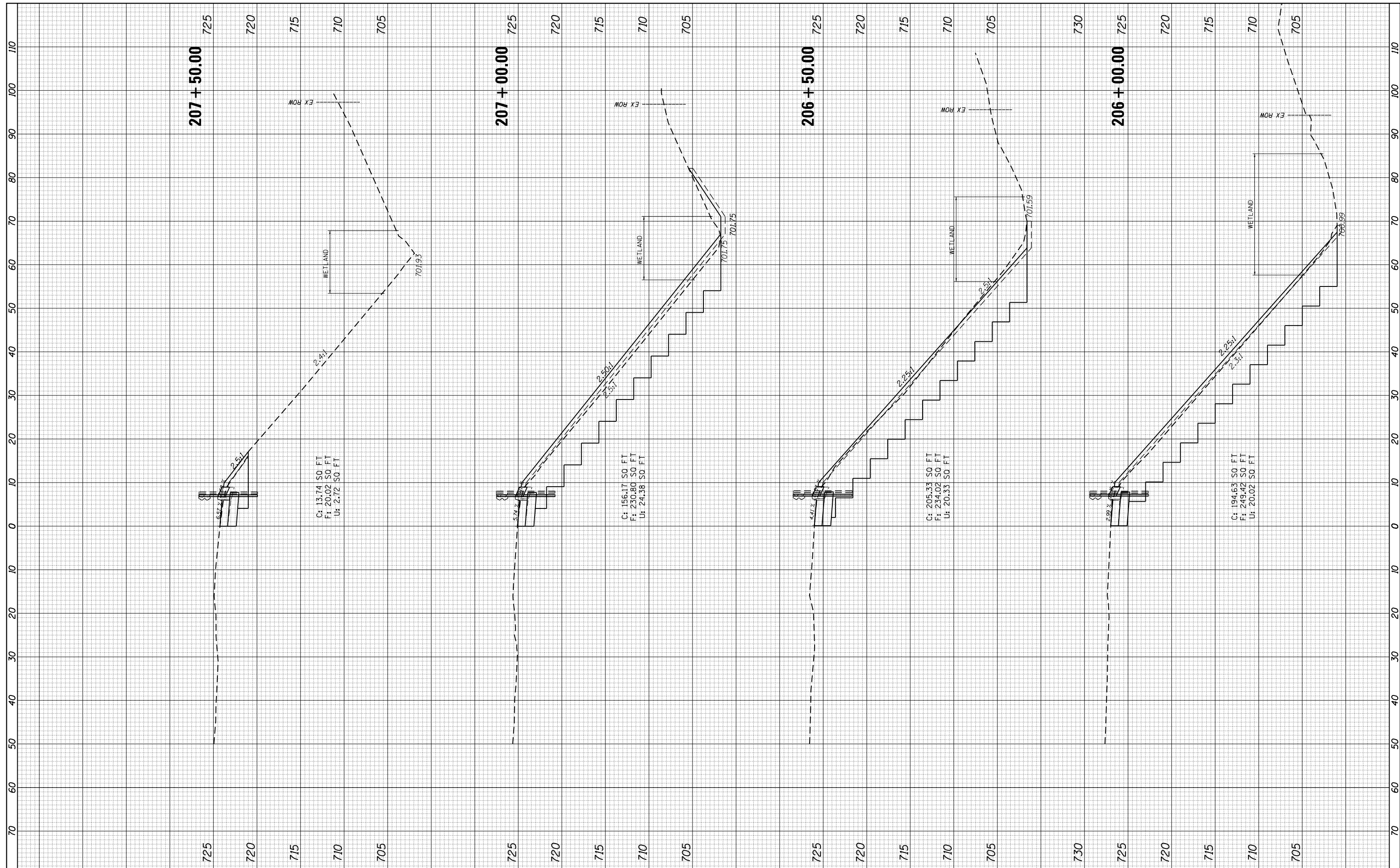
**US ROUTE 45 AT I-80
 EXISTING AND PROPOSED CROSS SECTIONS - RAMP D**

SCALE: SHEET OF SHEETS STA. 203+00.00 TO STA. 204+00.00

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 40
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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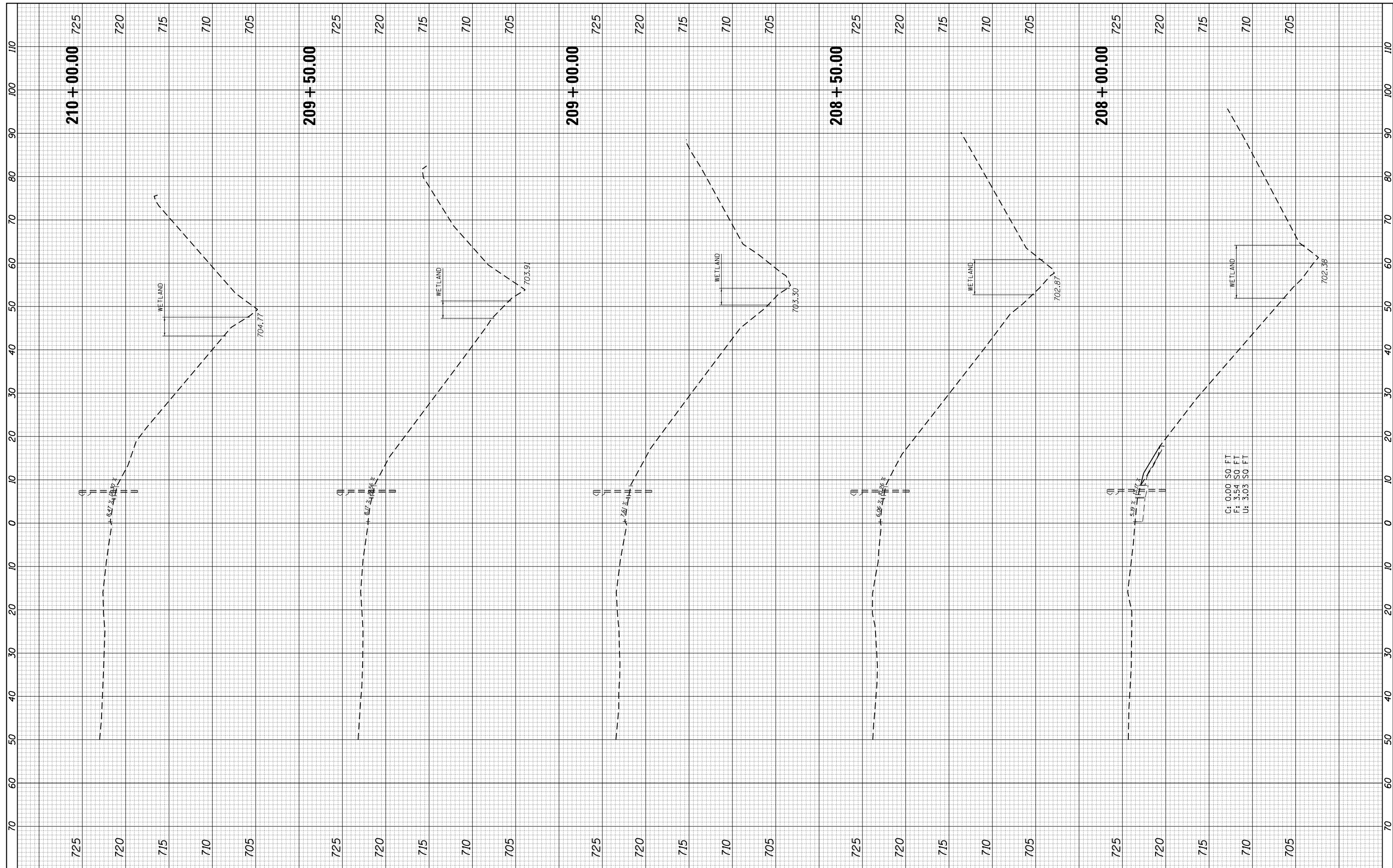
**US ROUTE 45 AT I-80
 EXISTING AND PROPOSED CROSS SECTIONS - RAMP D**

SCALE: SHEET OF SHEETS STA. 206+00.00 TO STA. 207+50.00

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 42
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				

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ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED	BY	DATE



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**US ROUTE 45 AT I-80
 EXISTING AND PROPOSED CROSS SECTIONS - RAMP D**

SCALE: SHEET OF SHEETS STA. 208+00.00 TO STA. 210+00.00

F.A.P. RTE. 330	SECTION 104-SLP-T	COUNTY WILL	TOTAL SHEETS 43	SHEET NO. 43
CONTRACT NO. 62F04				
ILLINOIS FED. AID PROJECT				