

1-18-13 LETTING ITEM 038

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 322 (US 51)
SECTION 11-13

PROJECT ACNHF-0322(096)
FOUR LANE EXPRESSWAY - PARTIAL ACCESS CONTROL
CHRISTIAN COUNTY

C-96-501-09

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION:

FAP 322 (ARTERIAL)
ADT=3,950 (2005)
% SU=3
% MU=13

TR 268 (LOCAL ROAD)
ADT = 25 (2005)

TR 273 (LOCAL ROAD)
ADT = 75 (2005)

TR 255 (LOCAL ROAD)
ADT = 25 (2005)

TR 257 (LOCAL ROAD)
ADT = 50 (2005)

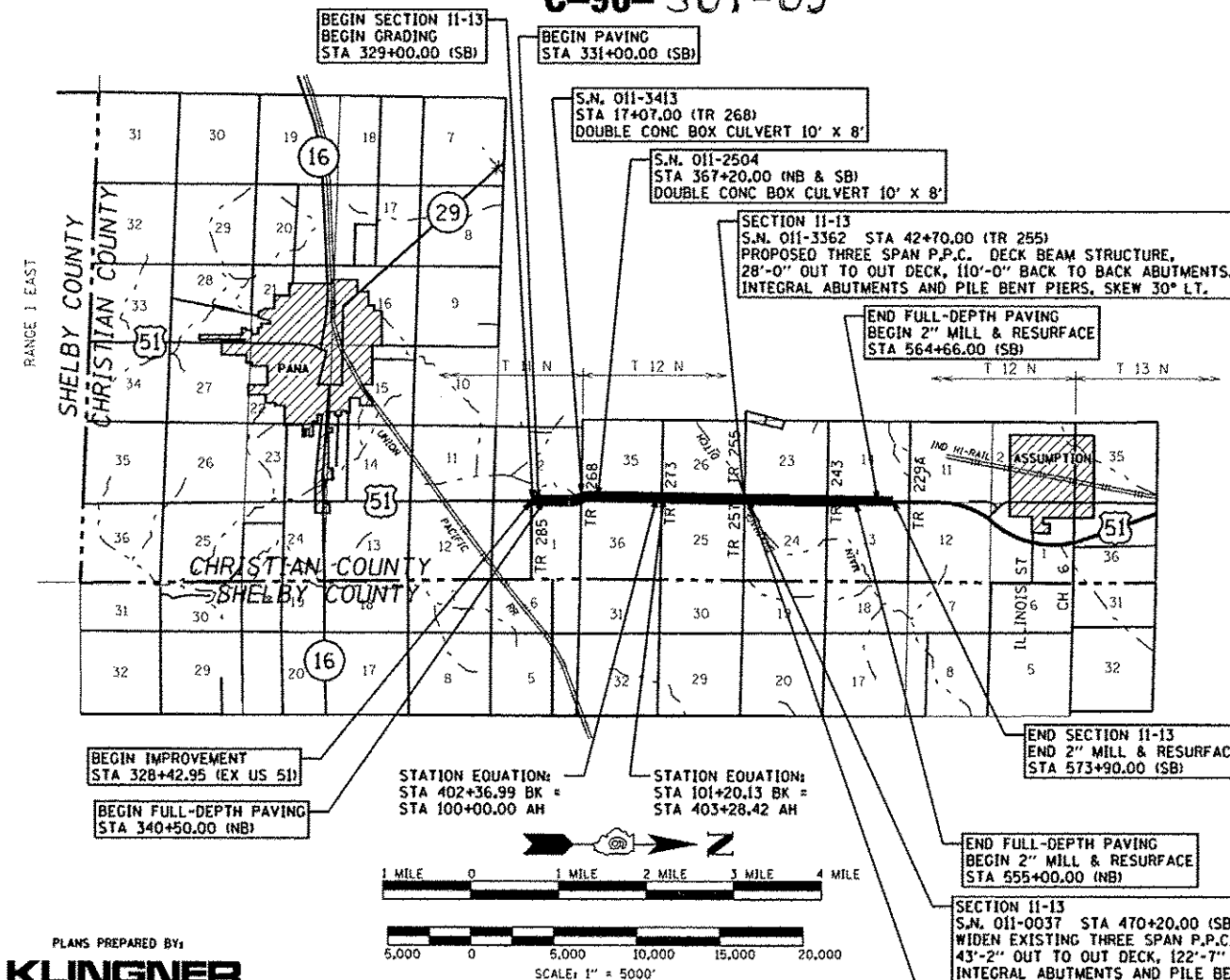
TR 243 (LOCAL ROAD)
ADT = 250 (2005)



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

CONTRACT NO. 72961



PLANS PREPARED BY
KLINGNER & ASSOCIATES, P.C.

Engineers / Architects
616 North 24th Street (217) 223-3670
Quincy, Illinois 62301 FAX: 223-3603
Internet Address: www.klinger.com
STATE OF ILLINOIS DESIGN FIRM # 1842738

LOCATION MAP

GROSS LENGTH OF SECTION 11-13 = 23,819 ft = 4.511 miles
NET LENGTH OF SECTION 11-13 = 23,695 ft = 4.488 miles

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	1

D-96-513-05 437 + 4 = 441 CONTRACT # 72961



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
SUBMITTED OCTOBER 16, 2012
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
John D. Baranzelli, P.E. / acting
ENGINEER OF DESIGN AND ENVIRONMENT
DEC 7 2012
William R. Frey, Jr. / acting
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

STEVE E. BANGE
062-053338
LICENSED PROFESSIONAL ENGINEER
STEVE E. BANGE DATE
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS NO. 062-053338
LICENSE EXPIRES NOVEMBER 30, 2013

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: JEFF MYERS (217) 782-4761
TEAM LEADER: EMMY REEB
STATE OF ILLINOIS DESIGN FIRM # 1842738
STATE OF ILLINOIS DESIGN FIRM # 1842738
STATE OF ILLINOIS DESIGN FIRM # 1842738

F.A.P. RITE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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* 261A-261D

STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
202001-01	EARTH MEDIAN DITCH CHECK
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420401-09	BRIDGE APPROACH PAVEMENT CONNECTOR
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602301-03	INLET, TYPE A
602401-03	MANHOLE, TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	CAST IRON STEPS
604001-03	FRAME AND LIDS, TYPE 1
604106-01	MEDIAN INLET FOR 36" REINFORCED CONCRETE PIPE
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-11	TRAFFIC BARRIER TERMINAL, TYPE 6
631032-08	TRAFFIC BARRIER TERMINAL, TYPE 6A
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
642001-02	SHOULDER RUMBLE STRIPS, 16 In.
665001-02	WOVEN WIRE FENCE
666001-01	RIGHT-OF-WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 M (15') AWAY
701006-04	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (2') FROM PAVEMENT EDGE
701011-03	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701101-03	OFF-ROAD OPERATIONS, MULTILANE, 4.5 M (15') TO 600 MM (2') FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 M (15') AWAY
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701321-13	LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701400-06	APPROACH TO LANE CLOSURE, FREEWAY/EXPRESSWAY
701401-07	LANE CLOSURE, FREEWAY/EXPRESSWAY
701406-06	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATIONS ONLY
701901-03	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
780001-03	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
825001-01	LIGHTING CONTROLLER 240V, POLE MOUNTED
830006-01	LIGHT POLE ALUMINUM DAVIT ARM
830026	TEMPORARY ROADWAY LIGHTING
836001-02	LIGHT POLE FOUNDATION
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (CLOSED TO ALL TRAFFIC)
BLR 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (CLOSED TO THRU TRAFFIC)

11/14/2012

LEGEND

(SEE STD 000001 FOR ADDITIONAL SYMBOLS)

PLAN VIEWS:	
---AC---	PROPOSED ACCESS CONTROL AND ROW
---AC---	PROPOSED ACCESS CONTROL ONLY
TCE	TEMPORARY CONSTRUCTION EASEMENT
BR*X	BUILDING REMOVAL NO. X
SR*X	REMOVAL OF EXISTING STRUCTURES NO. X
⊗	PROPOSED WOVEN WIRE FENCE

DISTRICT SIX

EXAMINED 10/15 20 12
Pell Brown
 OPERATIONS ENGINEER

EXAMINED OCT 16 20 12
Jim Felt
 PROJECT IMPLEMENTATION ENGINEER

EXAMINED Oct. 15 20 12
ARMU
 PROGRAM DEVELOPMENT ENGINEER

REVISIONS	
NAME	DATE
SEB	10/10/12
SEB	11/14/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 INDEX OF SHEETS,
 STANDARDS AND LEGEND
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY BQJ
 DATE: . CHECKED BY .

GENERAL NOTES

- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AUTHORIZED AGENT, OR LAND SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- ALL UNSURFACED AREAS WITHIN THE R.O.W. AND EASEMENTS SHALL BE SEEDED, FERTILIZED, AND MULCHED AS SHOWN IN THE PLANS, SPECIAL PROVISIONS, AND AS DIRECTED BY THE ENGINEER. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION.
- IN ACCORDANCE WITH STATE OF ILLINOIS P.A. 86-0674, THE CONTRACTOR IS TO NOTIFY ALL UTILITY COMPANIES NOT MORE THAN 14 DAYS NOR LESS THAN 48 HOURS (EXCLUSIVE OF SATURDAYS, SUNDAYS, AND HOLIDAYS) IN ADVANCE OF THE START OF EXCAVATION OR DEMOLITION.

J.U.L.I.E. TELEPHONE NUMBER
1-800-892-0123

KNOWN UTILITIES LOCATED WITHIN THE LIMITS OF THIS IMPROVEMENT ARE:

NEW WAVE COMM. 1176 E. 1500 NORTH ROAD TAYLORVILLE, IL 62568 MR. LARRY REPSCHER 217-287-7992 CABLE	SBC/AMERITECH 990 SOUTH SIDE DRIVE DECATUR, IL 62526 MR. TOM LONG 217-429-8596 TELEPHONE	AMEREN ILLINOIS 370 S. MAIN STREET, MC D-50 DECATUR, IL 62523 MR. JACOB COLBERT 217-424-6645 GAS
AMEREN CIPS 420 N. 2400 EAST ROAD PANA, IL 62557 MR. CLINT FREDERICK 217-562-1441 ELECTRIC	IL CONSOLIDATED COMM. 121 S. 17TH STREET MATTOON, IL 61938 MR. DOUG SOWERS 217-235-4419 TELEPHONE	SHELBY ELECTRIC COOP. ROUTE 128 & N. SIXTH STREET P.O. BOX 560 SHELBYVILLE, IL 62565 MR. JIM MATLOCK 217-774-3986 ELECTRIC
- THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE, AND ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB-NUMBER IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED.
- FERTILIZER NUTRIENTS SHALL BE APPLIED TO BOTH THE SEEDED AREAS AND THE AREAS COVERED WITH EROSION CONTROL BLANKET.
- DO NOT INCLUDE MULCH OR EMULSIFIED ASPHALT ON EROSION CONTROL BLANKET AREAS.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT LENGTHS.
- PROTECTIVE COAT SHALL BE APPLIED TO THE SURFACE OF NEW CONCRETE ACCORDING TO SECTION 503 OF THE STANDARD SPECIFICATIONS.
- ALL TREES, BRUSH AND SHRUBS WITHIN THE CONSTRUCTION LIMITS WILL BE REMOVED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS. TREES ALONG THE EDGE OF RIGHT OF WAY, OUTSIDE THE CONSTRUCTION LIMITS SHALL BE SAVED IF, IN THE OPINION OF THE ENGINEER, THEY DO NOT INTERFERE WITH CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- ALL EXISTING FENCE WITHIN THE PROPOSED RIGHT OF WAY SHALL BE REMOVED. THE COST OF THE FENCE REMOVAL WILL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- A SUBSURFACE INVESTIGATION HAS BEEN PERFORMED FOR THIS PROJECT. GEOTECHNICAL DATA INCLUDING BORING LOGS AND LABORATORY TEST RESULTS ARE AVAILABLE FOR CONTRACTOR REVIEW PRIOR TO BIDDING. THE DATA CAN BE REVIEWED AT THE DISTRICT SIX ANNEX LOCATED AT 2713 STEVENSON DRIVE, SPRINGFIELD, IL. CONTACT THE DISTRICT GEOTECHNICAL ENGINEER AT 217-782-6709.
- UNLESS OTHERWISE NOTED, THE OFFSETS SHOWN IN THE PLANS FOR THE END OF PIPE CULVERTS ARE TO THE END OF THE LAST SECTION OF PIPE NOT TO THE END OF THE END SECTION.

- PREPARATION OF THE AGGREGATE BASE FOR A-3 BITUMINOUS SURFACE TREATMENT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE BITUMINOUS SURFACE TREATMENT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- PERMANENT RIGHT OF WAY MARKERS SHALL BE INSTALLED PRIOR TO THE BEGINNING OF EARTHWORK CONSTRUCTION.
- THE REMOVAL OF OIL AND CHIP PAVEMENT SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- IF THERE IS A DISCREPANCY BETWEEN THE RIGHT OF WAY SHOWN ON THE PLANS AND THE PLAT OF HIGHWAYS, THE PLAT OF HIGHWAYS ALWAYS TAKES PRECEDENCE.
- EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED PRIOR TO RESURFACING.
- WATER FOR LIME MODIFIED SOILS SHALL NOT BE MEASURED AND PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF PROCESSING THE MODIFIED SOIL.
- ANY REFERENCES OR CALL-OUTS IN THESE PLANS TO "BITUMINOUS CONCRETE" SHALL BE INTERPRETED TO MEAN "HOT-MIX ASPHALT".

RATES OF APPLICATION TABLE

AGGREGATE ROCKFILL	1.89 TON / CU YD
AGGREGATE (SURFACE, BASE, SUBBASE, OR BACKFILL)	2.05 TON / CU YD
SUBBASE GRANULAR MATERIAL, TYPE C	1.80 TON / CU YD
STONE DUMPED RIPRAP	1.50 TON / CU YD
BITUMINOUS SURFACE TREATMENTS:	
BITUMINOUS MATERIALS (PRIME COAT)	0.001425 TON / SQ YD
BITUMINOUS MATERIALS (COVER AND SEAL COAT)	0.001425 TON / SQ YD
COVER SEAL AGGREGATE	0.01 TON / SQ YD
SEAL COAT AGGREGATE	0.01 TON / SQ YD
HOT-MIX ASPHALT:	
BITUMINOUS MATERIALS (PRIME COAT)	0.00038 TON / SQ YD (on pavement)
BITUMINOUS MATERIALS (PRIME COAT)	0.001425 TON / SQ YD (on aggregate)
AGGREGATE PRIME COAT	0.002 TON / SQ YD
HOT-MIX ASPHALT SURFACE / BINDER (112 lbs)	0.056 TON / SQ YD • IN
SEEDING AREAS:	
NITROGEN FERTILIZER NUTRIENT	90 LBS / ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS / ACRE
AGRICULTURAL GROUND LIMESTONE	2 TON / ACRE
MULCH	2 TON / ACRE
LIME FOR MODIFIED SOILS, 12"	0.02 TON / SQ YD

COMMITMENTS

THE FIELD/RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGES TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN, AND TO ALLOW IMPROVEMENTS IN THE DESIGN FOR FUTURE PROJECTS.

SEEDING SHALL BE COMPLETED AS DESIGNATED IN THE STORM WATER POLLUTION PREVENTION PLAN. ALL AREAS OF POTENTIAL FOR EROSION SHALL BE SEEDED BY OCTOBER 1, OF EACH YEAR AND SHALL NOT BE REOPENED UNTIL AFTER THE WINTER SHUT DOWN PERIOD (SEE SWPPP).

DUST CONTROL WILL BE HANDLED PROPERLY BY IDOT'S CONTRACTOR. WATER TRUCKS SHALL BE PROVIDED TO KEEP DUST FROM THE PREGRADE FROM BLOWING NEAR HOMES & INTERFERING WITH TRAFFIC VISIBILITY.

STORM WATER POLLUTION PREVENTION PLAN REQUIRED FOR NPDES PERMIT BY IEPA.

AMEREN ILLINOIS SHALL BE NOTIFIED PRIOR TO EXCAVATION NEAR THE GAS LINE AT STATION 436+20 SO THEY CAN HAVE A REPRESENTATIVE PRESENT.

MIXTURE REQUIREMENTS

MIXTURE NUMBER:	NO. 1	NO. 2	NO. 3
LOCATION(S):	US 51	US 51 & CROSSOVER A	US 51, US 51 MILL & RESURF. CROSSOVER A, EX US 51
MIXTURE USE(S):	FD BINDER (LOWER LIFTS)	FD/HMA INTERMEDIATE SURFACE	FD/HMA SURFACE
AC/PG:	PG 64-22	SBS PG 64-28	SBS PG 70-28
DESIGN AIR VOIDS:	4.0% @ Ndesign = 70	4.0% @ Ndesign = 70	4.0% @ Ndesign = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0	IL-9.5 OR IL-12.5	IL-9.5 OR IL-12.5
FRICTION AGGREGATE	N/A	MIX "C"	MIX "D"

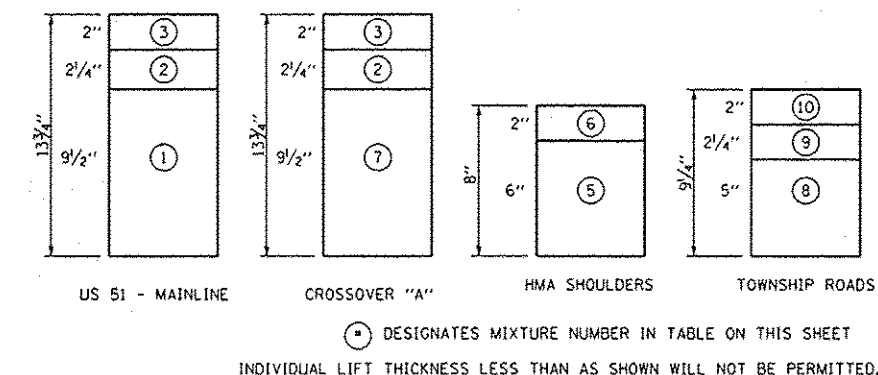
MIXTURE NUMBER:	NO. 4	NO. 5	NO. 6
LOCATION(S):	RELOCATED US 51, CROSSOVERS B & D	ALL	ALL
MIXTURE USE(S):	HMA SURFACE	HMA SHOULDERS (LOWER LIFTS)	HMA SHOULDERS (TOP LIFTS)
AC/PG:	PG 64-22	PG 58-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 70	2.0% @ Ndesign = 30	4.0% @ Ndesign = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	BAM	IL-9.5 OR IL-12.5
FRICTION AGGREGATE	MIX "C"	N/A	MIX "C"

MIXTURE NUMBER:	NO. 7	NO. 8	NO. 9
LOCATION(S):	ALL	TOWNSHIP ROADS	TOWNSHIP ROADS
MIXTURE USE(S):	HMA BASE COURSE / BINDER / PATCHING / FLEXIBLE CONNECTOR	FD BINDER (LOWER LIFTS)	FD BINDER (TOP LIFT)
AC/PG:	PG 64-22	PG 64-22	SBS PG 64-28
DESIGN AIR VOIDS:	4.0% @ Ndesign = 70	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0	IL-19.0	IL-19.0
FRICTION AGGREGATE	N/A	N/A	N/A

MIXTURE NUMBER:	NO. 10	NO. 11	NO. 12
LOCATION(S):	TOWNSHIP ROADS	ALL	EXISTING US 51
MIXTURE USE(S):	FD SURFACE	INCIDENTAL HMA SURFACING	LEVELING BINDER (MACHINE METHOD)
AC/PG:	SBS PG 64-28	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50	4.0% @ Ndesign = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	IL-9.5 OR IL-12.5	IL-9.5
FRICTION AGGREGATE	MIX "C"	MIX "C"	N/A

NOTE: HMA PAY FOR PERFORMANCE USING PERCENT WITHIN LIMITS APPLIES TO THE PAY ITEM HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4".

PAVING LIFT DIAGRAMS



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		GENERAL NOTES FAP 322 (US 51) SECTION 11-13 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY: BJC
DATE: CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 01	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	576	576						
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	739	739						
20100500	TREE REMOVAL, ACRES	ACRE	1.0	1.0						
20200100	EARTH EXCAVATION	CU YD	364,110	364,110						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,200	2,200						
20300100	CHANNEL EXCAVATION	CU YD	685			525		160		
20400800	FURNISHED EXCAVATION	CU YD	110,540	110,540						
20800150	TRENCH BACKFILL	CU YD	1,638	1,638						
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	374,315	374,315						
21301060	EXPLORATION TRENCH 60" DEPTH	FOOT	45,000	45,000						
21400100	GRADING AND SHAPING DITCHES	FOOT	800	800						
* 25000200	SEEDING, CLASS 2	ACRE	105	105						
* 25000320	SEEDING, CLASS 5	ACRE	8.5	8.5						
* 25000350	SEEDING, CLASS 7	ACRE	50	50						

* SPECIALTY ITEM

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 1 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE DRAWN BY: SEB
 DATE: CHECKED BY: SRW

DATE PLOTTED: 10/16/2012 10:16:20 AM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION
80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 01	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9,450	9,450						
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9,450	9,450						
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9,450	9,450						
* 25000700	AGRICULTURAL GROUND LIMESTONE	TON	210	210						
* 25000750	MOWING	ACRE	50	50						
* 25003210	INTERSEEDING, CLASS 2A	ACRE	20	20						
* 25100115	MULCH, METHOD 2	ACRE	155	155						
* 25100630	EROSION CONTROL BLANKET	SQ YD	4,000	4,000						
* 25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	17,000	17,000						
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	1,000	1,000						
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	21,000	21,000						
28000305	TEMPORARY DITCH CHECKS	FOOT	1,000	1,000						
28000315	AGGREGATE DITCH CHECKS	TON	600	600						
28000400	PERIMETER EROSION BARRIER	FOOT	3,000	3,000						

● NON-PARTICIPATING 100% STATE
* SPECIALTY ITEM

REVISIONS	
NAME	DATE
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ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
SHEET 2 OF 21
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY
SCALE: NONE DRAWN BY SEB
DATE: CHECKED BY SRW

10/16/2012

PLANETARIUM SOUTH PLAINS AREA LOCAL DISTRICT 2011-12

F.A.P. RTE:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LO5EC, 01	LO5EC, 01	LO5EC, 02	LO5EC, 03	LO5EC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
28000500	INLET AND PIPE PROTECTION	EACH	75	75						
28100107	STONE RIPRAP, CLASS A4	SO YD	3,120		652	1,234	117	1,009	108	
28100705	STONE DUMPED RIPRAP, CLASS A3	SO YD	4,890	4,890						
28100707	STONE DUMPED RIPRAP, CLASS A4	SO YD	19,854	19,854						
28100805	STONE DUMPED RIPRAP, CLASS A3	TON	500	500						
28200200	FILTER FABRIC	SO YD	23,774	20,654	652	1,234	117	1,009	108	
30200650	PROCESSING MODIFIED SOIL 12"	SO YD	229,363	229,363						
30201500	LIME	TON	4,589.3	4,589.3						
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	8,400	8,400						
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	3,000	3,000						
31100700	SUBBASE GRANULAR MATERIAL, TYPE A 8"	SO YD	7,778	7,778						
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SO YD	7,464	7,464						
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	27,312	27,312						
35100100	AGGREGATE BASE COURSE, TYPE A	TON	37	37						

10/10/2012

PUBLIC WORKS SOUTH PLANS MANAGED SHEET 11-13-2011-5-Summary

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 3 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE
 DATE: DRAWN BY: SEB
 CHECKED BY: SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 01	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	BRIDGE	BRIDGE	CULVERT	BRIDGE	CULVERT	LIGHTING
				0001 RURAL	0013 S.N. 011-0037	0008 S.N. 011-0038	0008 S.N. 011-2504	0008 S.N. 011-3362	0008 S.N. 011-3413	0021
35100900	AGGREGATE BASE COURSE, TYPE A 10"	SO YD	13,256	13,256						
35501318	HOT-MIX ASPHALT BASE COURSE, 8 1/2"	SO YD	3,707	3,707						
35501322	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	SO YD	2,893	2,893						
35501324	HOT-MIX ASPHALT BASE COURSE, 10"	SO YD	3,681	3,681						
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	1,325	1,325						
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	200	200						
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	18.9	18.9						
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	57.3	57.3						
40300500	COVER COAT AGGREGATE	TON	133	133						
40300600	SEAL COAT AGGREGATE	TON	266	266						
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	182.5	182.5						
40600300	AGGREGATE (PRIME COAT)	TON	333.5	333.5						
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	332	332						
40600895	CONSTRUCTING TEST STRIP	EACH	4	4						

10/06/2012

05/11/12 10:32:34 SOUTH PLANS 14500000 05/11/12 10:32:34 SRW

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 4 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY SEB
 DATE CHECKED BY SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	8
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 01	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	199	199						
40600990	TEMPORARY RAMP	SQ YD	1,000	1,000						
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	891	891						
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	767	767						
40603515	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	363	363						
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1,318	1,318						
40701866	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4"	SQ YD	7,623	7,623						
40701956	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"	SQ YD	140,247	140,247						
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	22	22						
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	2,143	2,143						
44000100	PAVEMENT REMOVAL	SQ YD	44,313	44,313						
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	5,832	5,832						
44000600	SIDEWALK REMOVAL	SQ FT	311	311						
44004000	PAVED DITCH REMOVAL	FOOT	3,532	3,532						

10/10/2012

PUBLIC WORKS SOUTH PLANS MANAGED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 5 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY: SEB
 DATE: CHECKED BY: SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 01	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
44004250	PAVED SHOULDER REMOVAL	SQ YD	3,290	3,290						
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	25	25						
48101200	AGGREGATE SHOULDERS, TYPE B	TON	13,435	13,435						
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	73,543	73,543						
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	1						
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	1						
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	1						
50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1	1						
50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1	1						
50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1	1						
50102400	CONCRETE REMOVAL	CU YD	84.1		84.1					
50105220	PIPE CULVERT REMOVAL	FOOT	1,902	1,902						
50200100	STRUCTURE EXCAVATION	CU YD	420		88	292		40		
50200300	COFFERDAM EXCAVATION	CU YD	89		12	5		72		

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ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 6 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY: SEB
 DATE: CHECKED BY: SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 01	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
50201101	COFFERDAM (TYPE 1) (LOCATION - 1)	EACH	1			1				
50201102	COFFERDAM (TYPE 1) (LOCATION - 2)	EACH	1			1				
50201103	COFFERDAM (TYPE 1) (LOCATION - 3)	EACH	1		1					
50201104	COFFERDAM (TYPE 1) (LOCATION - 4)	EACH	1		1					
50201105	COFFERDAM (TYPE 1) (LOCATION - 5)	EACH	1					1		
50201106	COFFERDAM (TYPE 1) (LOCATION - 6)	EACH	1					1		
50300100	FLOOR DRAINS	EACH	18		4	14				
50300225	CONCRETE STRUCTURES	CU YD	661.9	109.6	103.8	226.3		222.2		
50300255	CONCRETE SUPERSTRUCTURE	CU YD	636.0		200.7	349.6		85.7		
50300260	BRIDGE DECK GROOVING	SQ YD	1,721		406	771		544		
50300280	CONCRETE ENCASEMENT	CU YD	13.9		2.0	8.4		3.5		
50300300	PROTECTIVE COAT	SQ YD	2,095		583	947		565		
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SO FT	3,262					3262		
50400805	FURNISHING AND ERECTING PRECAST PRESTRESSED CONCRETE I-BEAMS, 36 IN.	FOOT	1072		358	714				

10/10/2012

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ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 7 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE DRAWN BY: SEB
 DATE: CHECKED BY: SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

OLD OLD OLD NEW NEW
 80% FED.
 20% STATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008			
LOSEC, 01	LOSEC, 01	LOSEC, 02	LOSEC, 03	LOSEC, 04	

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY		BRIDGE		CULVERT	BRIDGE		CULVERT	LIGHTING
				0001 RURAL		0013 S.N. 011-0037	0008 S.N. 011-0038	0008 S.N. 011-2504	0008 S.N. 011-3362	0008 S.N. 011-3413		
50800105	REINFORCEMENT BARS	POUND	118,895	5,925				91,150			21,820	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	190,350			54,490	94,060			41,800		
50800515	BAR SPLICERS	EACH	132			44	88					
50800530	MECHANICAL SPLICERS	EACH	686			686						
50901050	STEEL RAILING, TYPE SM	FOOT	294							294		
51201600	FURNISHING STEEL PILES HP12X53	FOOT	2,041			804				1,237		
51201610	FURNISHING STEEL PILES HP12X63	FOOT	1,436				1,436					
51202305	DRIVING PILES	FOOT	3,477			804	1,436			1,237		
51203600	TEST PILE STEEL HP12X53	EACH	2							2		
51203610	TEST PILE STEEL HP12X63	EACH	2				2					
51204650	PILE SHOES	EACH	46				24			22		
51500100	NAME PLATES	EACH	5			1	1	1	1	1	1	
54003000	CONCRETE BOX CULVERTS	CU YD	665.9					523.7			142.2	
54011006	PRECAST CONCRETE BOX CULVERTS 10' X 6'	FOOT	88	88								
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	128	128								

10/12/2012

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REVISIONS	
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 8 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY SEB
 DATE CHECKED BY SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	12
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 02	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	62	62						
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	1,682	1,682						
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	196	196						
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	184	184						
542A1087	PIPE CULVERTS, CLASS A, TYPE 2 42"	FOOT	66	66						
542A1099	PIPE CULVERTS, CLASS A, TYPE 2 54"	FOOT	866	866						
542A1105	PIPE CULVERTS, CLASS A, TYPE 2 60"	FOOT	380	380						
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	54	54						
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	226	226						
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	82	82						
542D0253	PIPE CULVERTS, CLASS D, TYPE 1 48"	FOOT	94	94						
542D0265	PIPE CULVERTS, CLASS D, TYPE 1 60"	FOOT	78	78						
542D1069	PIPE CULVERTS, CLASS D, TYPE 2 24"	FOOT	152	152						
542D1075	PIPE CULVERTS, CLASS D, TYPE 2 30"	FOOT	142	142						

10/10/2012

PLAN 11-13 SOUTH PLANS NEW 5400 Sheet 002 of 01 - 11-13 Summary

REVISIONS	
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SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
SHEET 9 OF 21
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY
SCALE: NONE DRAWN BY SEB
DATE CHECKED BY SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 02	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
542D1081	PIPE CULVERTS, CLASS D, TYPE 2 36"	FOOT	88	88						
542D1093	PIPE CULVERTS, CLASS D, TYPE 2 48"	FOOT	104	104						
542D0015	PIPE CULVERTS, CLASS D, TYPE 1 15" (TEMPORARY)	FOOT	162	162						
542D0018	PIPE CULVERTS, CLASS D, TYPE 1 18" (TEMPORARY)	FOOT	660	660						
542D0036	PIPE CULVERTS, CLASS D, TYPE 1 36" (TEMPORARY)	FOOT	48	48						
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	18	18						
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	2	2						
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2	2						
54213699	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 54"	EACH	4	4						
54244805	INLET BOX, STANDARD 542501	EACH	2	2						
55100700	STORM SEWER REMOVAL 15"	FOOT	244	244						
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	140		36	76		28		
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	559	559						
60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	138	138						

10/19/2012

AMERICAN ROAD & BUILDING BUILDING PLANS NEW 10/19/2012 10:19:20 AM

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 10 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE DRAWN BY: SEB
 DATE: CHECKED BY: SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 02	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
60107600	PIPE UNDERDRAINS 4"	FOOT	79,244	79,244						
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	2,756	2,756						
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2						
60222805	MANHOLES, TYPE A, 5'-DIAMETER, WITH MEDIAN INLET (604106)	EACH	16	16						
60500040	REMOVING MANHOLES	EACH	1	1						
60500060	REMOVING INLETS	EACH	1	1						
61100605	MISCELLANEOUS CONCRETE	CU YD	25	25						
61101009	STORM SEWERS PROTECTED, CLASS A, 8"	FOOT	3,000	3,000						
61101011	STORM SEWERS PROTECTED, CLASS A, 10"	FOOT	500	500						
61101013	STORM SEWERS PROTECTED, CLASS A, 12"	FOOT	3,000	3,000						
61101020	STORM SEWERS PROTECTED, CLASS A, 18"	FOOT	500	500						
61101026	STORM SEWERS PROTECTED, CLASS A, 24"	FOOT	500	500						
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	50	50						
61133300	FIELD TILE JUNCTION VAULTS, 4' DIA.	EACH	4	4						

DATE: 11/19/2012 10:19:28 AM PLAN: M-5400 SHEET: 087961-14-SUMMARY

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 11 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE DRAWN BY: SEB
 DATE: CHECKED BY: SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	15
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-000Z	011-000Z	011-2008		
LO5EC, 01	LO5EC, 02	LO5EC, 02	LO5EC, 03	LO5EC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
61133400	FIELD TILE JUNCTION VAULTS, 5' DIA.	EACH	4	4						
61140000	STORM SEWERS (SPECIAL), 8"	FOOT	3,000	3,000						
61140100	STORM SEWERS (SPECIAL), 10"	FOOT	500	500						
61140200	STORM SEWERS (SPECIAL), 12"	FOOT	3,000	3,000						
61140600	STORM SEWERS (SPECIAL), 18"	FOOT	500	500						
61140900	STORM SEWERS (SPECIAL), 24"	FOOT	500	500						
* 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1,206.3	1,206.3						
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	6	6						
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4						
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	8	8						
* 63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	2	2						
63200310	GUARDRAIL REMOVAL	FOOT	1,188	1,188						
63500105	DELINEATORS	EACH	228	228						
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	81,059	81,059						

*SPECIALTY ITEM

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 12 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE
 DATE: DRAWN BY: SEB
 CHECKED BY: SRW

12/19/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	16
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 02	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
66500105	WOVEN WIRE FENCE, 4'	FOOT	922	922						
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	123	123						
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	9,300	9,300						
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	22	22						
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1						
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	15	15						
66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6						
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	30	30						
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	30	30						
67100100	MOBILIZATION	L SUM	1	1						
70100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1						
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	36	36						
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1						
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7,900	7,900						
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	2,450	2,450						
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	224,246	224,246						
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	23,790	23,790						

10/19/2012

ASST. DIR. OF TRANSPORTATION PLANS SECTION

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 13 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE
 DATE: DRAWN BY: SEB
 CHECKED BY: SRW

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	17
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

OLD OLD OLD NEW NEW

80% FED.
20% STATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC,01	LOSEC,02	LOSEC,02	LOSEC,03	LOSEC,04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	4,302	4,302						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	5,066	5,066						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	430	430						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	20,922	20,922						
70400100	TEMPORARY CONCRETE BARRIER	FOOT	747.3	747.3						
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	304.0	304.0						
* 70600260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2						
* 70600332	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	2	2						
* 72000100	SIGN PANEL - TYPE 1	SQ FT	1,353	1,353						
* 72000200	SIGN PANEL - TYPE 2	SQ FT	168	168						
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	4,693	4,693						
* 73000100	WOOD SIGN SUPPORT	FOOT	44	44						
* 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	327.6	327.6						
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	170,592	170,592						

* SPECIALTY ITEM

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
SHEET 14 OF 21
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY
SCALE: NONE DRAWN BY: SEB
DATE: CHECKED BY: SRW

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	19
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 02	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	760	760						
78100200	TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER	EACH	2,744	2,744						
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	31	31						
* 78200520	BARRIER WALL MARKERS, TYPE B	EACH	8	8						
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	10	10						
78300100	PAVEMENT MARKING REMOVAL	SO FT	6,305	6,305						
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	26	26						
* 80400100	ELECTRIC SERVICE INSTALLATION	EACH	4							4
* 81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	985							985
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	925							925
* 81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	50							50
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	50							50
* 8100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT	20							20
* 81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	170							170
* 81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH	2							2
* 81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	7,219							7,219
* 81603065	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2,256							2,256
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	468							468

* SPECIALTY ITEM

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 16 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE DRAWN BY: SEB
 DATE: CHECKED BY: SRW

10/19/2012

QUANTITY SUMMARY PLANS NEW 10/10/12 SHEET 16 OF 21

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	20
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-000Z	011-2008		
LOSEC, 01	LOSEC, 02	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
* 81800105	AERIAL CABLE, 2-1/C NO. 1/0 WITH MESSENGER WIRE	FOOT	1,580							1,580
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	40							40
* 82104000	LUMINAIRE, SODIUM VAPOR, MULTIMOUNT, 400 WATT	EACH	7							7
* 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	7							7
* 82500300	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 30AMP	EACH	3							3
* 82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP	EACH	1							1
* 83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	40							40
* 83057340	LIGHT POLE, WOOD, 60 FOOT, CLASS 3	EACH	8							8
* 83600355	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6'	EACH	40							40
* 83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	148							148
84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	1							1
X0321309	CONCRETE PAD	SQ YD	74	74						
X0322584	REVTMENT MAT REMOVAL	SQ YD	34	34						
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	1	1						
X0325451	NON-SHRINK GROUT	CU FT	4.4	4.4						

* SPECIALTY ITEM

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES
SHEET 17 OF 21
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: NONE
DATE: _____
DRAWN BY: SEB
CHECKED BY: SRW

DRAWN BY: SEB, SOUTH PLANS, NEW YORK, SHEET NO. 17 OF 21, DATE: 10/10/12

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	21
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC, 01	LOSEC, 02	LOSEC, 02	LOSEC, 03	LOSEC, 04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
X0325607	GROUND STABILIZATION GEOSYNTHETIC	SQ YD	4,500	4,500						
X0326911	TRANSVERSE DRAINS COMPLETE	EACH	10	10						
X2020500	EARTH EXCAVATION (ROCKFILL)	CU YD	5,900	5,900						
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	255		58	150		47		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	5	5						
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	3	3						
X4023000	TEMPORARY ACCESS (ROAD)	EACH	3	3						
X4024000	TEMPORARY ACCESS (FIELD ENTRANCE)	EACH	13	13						
X4811300	AGGREGATE SHOULDERS, TYPE B (SPECIAL)	TON	516	516						
X5030304	CONCRETE WEARING SURFACE, 4"	SQ YD	363					363		
X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	363					363		
X6015015	REMOVE AND REPLACE CONCRETE HEADWALLS FOR PIPE UNDERDRAINS	EACH	4	4						
X6020073	INLETS, TYPE A, TYPE 8 GRATE, TEMPORARY	EACH	2	2						
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
* X7830072	GROOVING FOR RECESSED PAVEMENT MARKING 6"	FOOT	95,299	95,299						

* SPECIALTY ITEM

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 18 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE DRAWN BY: SEB
 DATE: CHECKED BY: SRW

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	23
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

OLD OLD OLD NEW NEW

ILLINOIS DEPARTMENT OF TRANSPORTATION

80% FED.
20% STATE

SUMMARY OF QUANTITIES

011-0002	011-0002	011-2008		
LOSEC,01	LOSEC,02	LOSEC,02	LOSEC,03	LOSEC,04

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021
Z0038500	PERMANENT BARRICADES	EACH	2	2						
Z0038506	REMOVE PERMANENT BARRICADES	L SUM	1	1						
Z0041500	PLUG EXISTING CULVERTS	EACH	1	1						
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	390		136	132		122		
Z0054515	ROCK FILL - EMBANKMENT	TON	4,900	4,900						
Z0054517	ROCK FILL - FOUNDATION	TON	1,139	400			739			
Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SO FT	879				879			

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES SHEET 20 OF 21 FAP 322 (US 51) SECTION 11-13 CHRISTIAN COUNTY
NAME	DATE	
SEB	10/10/12	

SCALE: NONE DRAWN BY: SEB
DATE: CHECKED BY: SRW

MULTI-COUNTY SOUTH PLAINS NEWLADG... 10/10/2012

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	24
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE

CHRISTIAN COUNTY

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CHRISTIAN COUNTY						
				ROADWAY 0001 RURAL	BRIDGE 0013 S.N. 011-0037	BRIDGE 0008 S.N. 011-0038	CULVERT 0008 S.N. 011-2504	BRIDGE 0008 S.N. 011-3362	CULVERT 0008 S.N. 011-3413	LIGHTING 0021

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SUMMARY OF QUANTITIES
 SHEET 21 OF 21
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY: SEB
 DATE: CHECKED BY: SRW

12/19/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

GEOTECHNICAL SCHEDULE

PAY ITEM	DESCRIPTION	UNIT	TOTALS	APPROXIMATE LOCATIONS
31100100	SUB-BASE GRANULAR MATERIAL, TYPE A	TON	3,000	STA 440+00 to STA 444+00
30300011	AGGREGATE SUBGRADE IMPROVEMENT	TON	8,400	STA 459+00 to STA 461+00
X2020500	EARTH EXCAVATION (ROCKFILL)	CU YD	5,900	AND VARIOUS
X0325607	GROUND STABILIZATION GEOSYNTHETIC	SQ YD	4,500	
31001500	LIME	TON	180	
31000600	PROCESSING LIME STABILIZED SOIL MIXTURE, 12"	SO YD	8,900	
20200100	EARTH EXCAVATION*	CU YD	7,500	
X0326911	TRANSVERSE DRAINS, COMPLETE	EACH	4	

THE SCHEDULE FOR GEOTECHNICAL ITEMS IS AN ESTIMATED QUANTITY FOR CORRECTING UNSTABLE SUBGRADE CONDITIONS AT VARIOUS LOCATIONS. THE QUANTITIES MAY BE REDUCED, INCREASED, OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THESE ESTIMATED QUANTITIES SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

- EARTH EXCAVATION REQUIRED TO FACILITATE TWO 12" LAYERS OF LIME MODIFIED SOIL IS NOT INCLUDED IN THE EARTHWORK SCHEDULE. REMOVAL OF THE TOP 12" PRIOR TO MODIFYING THE LOWER LAYER AND REPLACEMENT OF SOIL PRIOR TO MODIFYING THE TOP LAYER ARE CONSIDERED SEPARATE OPERATIONS.

GEOTECHNICAL SCHEDULE

PAY ITEM	DESCRIPTION	UNIT	TOTALS	APPROXIMATE LOCATIONS
Z0054515	ROCK FILL - EMBANKMENT	TON	4,900	STA 361+00 to STA 362+00 TR 268 STA 21+00 to STA 22+50
Z0201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,200	STA 367+00 to 390+00 RT AND VARIOUS

THE SCHEDULE FOR GEOTECHNICAL ITEMS IS AN ESTIMATED QUANTITY FOR GROUND IMPROVEMENT PRIOR TO PLACING EMBANKMENT AT VARIOUS LOCATIONS. THE QUANTITIES MAY BE REDUCED, INCREASED, OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THESE ESTIMATED QUANTITIES SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

GEOTECHNICAL SCHEDULE

PAY ITEM	DESCRIPTION	UNIT	TOTAL	APPROXIMATE LOCATIONS
Z0054517	ROCK FILL - FOUNDATION	TON	400	STA 367+20 TR 268 STA 17+07

THE SCHEDULE FOR GEOTECHNICAL ITEMS IS AN ESTIMATED QUANTITY FOR GROUND IMPROVEMENT PRIOR TO PLACING CONCRETE CULVERTS AT VARIOUS LOCATIONS. THE QUANTITIES MAY BE REDUCED, INCREASED, OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THESE ESTIMATED QUANTITIES SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

GEOTECHNICAL SCHEDULE

PAY ITEM	DESCRIPTION	UNIT	TOTALS	APPROXIMATE LOCATIONS
Z8100805	STONE DUMPED RIPRAP, CLASS A3	TON	500	STA 423+00 to STA 427+00
Z8200200	FILTER FABRIC	SQ YD	800	AND VARIOUS

THE SCHEDULE FOR GEOTECHNICAL ITEMS IS AN ESTIMATED QUANTITY FOR SLOPE PROTECTION AT VARIOUS LOCATIONS. THE QUANTITIES MAY BE REDUCED, INCREASED, OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THESE ESTIMATED QUANTITIES SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

TEMPORARY EROSION CONTROL SCHEDULE

PAY ITEM	DESCRIPTION	UNIT	TOTALS
Z5000350	SEEDING, CLASS 7	ACRE	50
Z5100115	MULCH, METHOD 2	ACRE	50
Z5100630	EROSION CONTROL BLANKET	SQ YD	4000
Z5100635	HEAVY DUTY EROSION CONTROL BLANKET	SO YD	17000
Z8000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	1000
Z8000250	TEMPORARY EROSION CONTROL SEEDING	POUND	21000
Z8000305	TEMPORARY DITCH CHECKS	FOOT	1000
Z8000315	AGGREGATE DITCH CHECKS	TON	600
Z8000400	PERIMETER EROSION BARRIER	FOOT	3000
Z8000500	INLET AND PIPE PROTECTION	EACH	75

THE SCHEDULE FOR TEMPORARY EROSION CONTROL ITEMS IS AN ESTIMATED QUANTITY FOR HANDLING TEMPORARY EROSION CONTROL (SEE SPECIAL PROVISIONS). THE QUANTITIES MAY BE REDUCED, INCREASED, OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THESE ESTIMATED QUANTITIES SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

INTERSEEDING SCHEDULE

PAY ITEM	DESCRIPTION	UNIT	TOTALS
Z5000750	MOWING	ACRE	50
Z5003210	INTERSEEDING, CLASS 2A	ACRE	20

THE SCHEDULE FOR INTERSEEDING ITEMS IS AN ESTIMATED QUANTITY FOR HANDLING PERMANENT SEEDING AFTER TEMPORARY EROSION CONTROL SEEDING HAS BEEN PLACED AND ESTABLISHED ON FINISHED HIGHLY ERODIBLE SLOPES (TO AVOID FURTHER GROUND DISTURBANCE). THE QUANTITIES MAY BE REDUCED, INCREASED, OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THESE ESTIMATED QUANTITIES SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

FIELD TILE SCHEDULE

PAY ITEM	DESCRIPTION	UNIT	TOTALS
Z1301060	EXPLORATION TRENCH 60" DEPTH	FOOT	45,000
Z61100605	MISCELLANEOUS CONCRETE	CU YD	25
Z61101009	STORM SEWERS PROTECTED, CLASS A, 8"	FOOT	3000
Z61101011	STORM SEWERS PROTECTED, CLASS A, 10"	FOOT	500
Z61101013	STORM SEWERS PROTECTED, CLASS A, 12"	FOOT	3000
Z61101020	STORM SEWERS PROTECTED, CLASS A, 18"	FOOT	500
Z61101026	STORM SEWERS PROTECTED, CLASS A, 24"	FOOT	500
Z61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	50
Z61133300	FIELD TILE JUNCTION VAULTS, 4' DIA.	EACH	4
Z61133400	FIELD TILE JUNCTION VAULTS, 5' DIA.	EACH	4
Z61140000	STORM SEWERS (SPECIAL), 8"	FOOT	3000
Z61140100	STORM SEWERS (SPECIAL), 10"	FOOT	500
Z61140200	STORM SEWERS (SPECIAL), 12"	FOOT	3000
Z61140600	STORM SEWERS (SPECIAL), 18"	FOOT	500
Z61140900	STORM SEWERS (SPECIAL), 24"	FOOT	500
Z20800150	TRENCH BACKFILL	CU YD	200

THE SCHEDULE FOR HANDLING FIELD TILE (SEE DETAIL AND SECTION 611) IS AN ESTIMATED QUANTITY. IT MAY BE REDUCED, INCREASED, OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THIS ESTIMATED QUANTITY SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

TRANSVERSE DRAINS, COMPLETE X0326911

LOCATION	EACH
FAP 322 (US 51)	
416+50	1
	1
434+00	1
	1
464+60	1
	1
ESTIMATED ADDITIONAL	4
TOTAL	10

TEMPORARY ACCESS SCHEDULE

STATION	SIDE	X4021000 X4022000 X4023000 35501324 X4024000				
		PRIVATE ENTRANCE	COMMERCIAL ENTRANCE	ROAD	HMA BASE 10"	FIELD ENTRANCE
		EACH			SO YD	EACH
FAP 322 (US 51)						
341+85.00	LT					1
347+73.00	LT					1
	RT	1				
353+93.00	CL			1	162	
381+65.00	LT					1
	RT	1				
423+00.00	RT					1
441+50.00	LT					1
451+00.00	RT		1			
455+90.00	RT	1				
457+77.00	LT	1				
467+10.00	CL			1	218	
482+00.00	RT					1
490+00.00	LT					1
497+52.00	LT					1
497+52.00	RT					1
521+61.00	CL			1	228	
540+00.00	LT	1				
547+10.00	LT		1			
547+10.00	RT					1
TR 268						
21+79.00	LT		1			
24+02.30	RT					1
24+16.00	LT					1
TR 243						
16+25.00	LT					1
TOTALS		5	3	3	608	13

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 SHEET 1 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY EBB
 DATE 4/11 CHECKED BY

10/5/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	27
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SEEDING SCHEDULE

STATION TO STATION	SIDE	WIDTH	SEEDING CLASS 2A	FERTILIZER NUTRIENTS			MULCH METHOD 2	AGRICULTURAL LIMESTONE	
				25000210	25000400	25000500			
				ACRE	POUND	ACRE			TON
FAP 322 (US 51)									
328+50	343+00	LT	51	1.70	152.8	152.8	152.8	1.70	3.4
		CL	36	1.20	107.9	107.9	107.9	1.20	2.4
		RT	57	1.90	170.8	170.8	170.8	1.90	3.8
343+00	358+00	LT	VARIES	1.76	158.4	158.4	158.4	1.76	3.5
		CL	VARIES	1.14	102.8	102.8	102.8	1.14	2.3
		RT	VARIES	1.73	155.9	155.9	155.9	1.73	3.5
358+00	373+00	LT	VARIES	2.83	254.4	254.4	254.4	2.83	5.7
		CL	VARIES	0.94	84.8	84.8	84.8	0.94	1.9
		RT	VARIES	4.21	378.6	378.6	378.6	4.21	8.4
373+00	388+00	LT	81	2.79	251.0	251.0	251.0	2.79	5.6
		CL	26	0.90	80.6	80.6	80.6	0.90	1.8
		RT	81	2.79	251.0	251.0	251.0	2.79	5.6
388+00	100+75	LT	81	2.81	253.1	253.1	253.1	2.81	5.6
		CL	34	1.18	106.2	106.2	106.2	1.18	2.4
		RT	81	2.81	253.1	253.1	253.1	2.81	5.6
100+75	418+00	LT	81	2.41	217.0	217.0	217.0	2.41	4.8
		CL	VARIES	0.97	87.0	87.0	87.0	0.97	1.9
		RT	VARIES	2.38	214.1	214.1	214.1	2.38	4.8
418+00	433+00	LT	VARIES	2.29	206.2	206.2	206.2	2.29	4.6
		CL	VARIES	1.14	102.9	102.9	102.9	1.14	2.3
		RT	VARIES	2.45	220.7	220.7	220.7	2.45	4.9
433+00	448+00	LT	VARIES	2.07	186.0	186.0	186.0	2.07	4.1
		CL	VARIES	1.14	102.3	102.3	102.3	1.14	2.3
		RT	VARIES	1.99	179.3	179.3	179.3	1.99	4.0
448+00	463+00	LT	VARIES	3.26	293.4	293.4	293.4	3.26	6.5
		CL	VARIES	0.95	85.1	85.1	85.1	0.95	1.9
		RT	VARIES	3.40	305.6	305.6	305.6	3.40	6.8
463+00	478+00	LT	VARIES	2.47	222.3	222.3	222.3	2.47	4.9
		CL	VARIES	0.78	69.9	69.9	69.9	0.78	1.6
		RT	VARIES	2.20	197.8	197.8	197.8	2.20	4.4
478+00	493+00	LT	66	2.27	204.5	204.5	204.5	2.27	4.5
		CL	34	1.17	105.4	105.4	105.4	1.17	2.3
		RT	76	2.62	235.5	235.5	235.5	2.62	5.2
493+00	508+00	LT	66	2.27	204.5	204.5	204.5	2.27	4.5
		CL	VARIES	0.93	83.5	83.5	83.5	0.93	1.9
		RT	VARIES	2.58	232.2	232.2	232.2	2.58	5.2
508+00	523+00	LT	VARIES	1.99	179.5	179.5	179.5	1.99	4.0
		CL	VARIES	0.99	88.7	88.7	88.7	0.99	2.0
		RT	VARIES	1.70	152.7	152.7	152.7	1.70	3.4
523+00	538+00	LT	VARIES	1.76	158.5	158.5	158.5	1.76	3.5
		CL	VARIES	1.11	99.8	99.8	99.8	1.11	2.2
		RT	56	1.93	173.6	173.6	173.6	1.93	3.9
538+00	553+00	LT	VARIES	1.62	145.9	145.9	145.9	1.62	3.2
		CL	VARIES	0.92	83.1	83.1	83.1	0.92	1.8
		RT	56	1.93	173.6	173.6	173.6	1.93	3.9
553+00	568+00	LT	50	1.34	120.5	120.5	120.5	1.34	2.7
		CL	34	1.17	105.4	105.4	105.4	1.17	2.3
		RT	56	0.26	23.1	23.1	23.1	0.26	0.5
568+00	573+90	CL	VARIES	0.41	36.8	36.8	36.8	0.41	0.8

SEEDING SCHEDULE

STATION TO STATION	SIDE	WIDTH	SEEDING CLASS 2A	FERTILIZER NUTRIENTS			MULCH METHOD 2	AGRICULTURAL LIMESTONE	
				25000210	25000400	25000500			
				ACRE	POUND	ACRE			TON
TR 304									
10+00	17+50	LT & RT	50	0.86	77.5	77.5	77.5	0.86	1.7
TR 268									
12+50	19+00	LT	VARIES	0.93	83.6	83.6	83.6	0.93	1.9
		RT	VARIES	0.81	72.7	72.7	72.7	0.81	1.6
21+00	25+50	LT	VARIES	0.26	23.4	23.4	23.4	0.26	0.5
		RT	VARIES	0.27	24.6	24.6	24.6	0.27	0.5
TR 273									
14+50	19+00	LT	VARIES	0.55	49.3	49.3	49.3	0.55	1.1
		RT	VARIES	0.53	47.8	47.8	47.8	0.53	1.1
21+00	25+00	LT	VARIES	0.53	47.4	47.4	47.4	0.53	1.1
		RT	VARIES	0.47	42.3	42.3	42.3	0.47	0.9
OLD TR 255									
22+00	29+00	LT & RT	40	0.64	57.9	57.9	57.9	0.64	1.3
TR 255									
37+00	48+50	LT	VARIES	1.57	141.2	141.2	141.2	1.57	3.1
		RT	VARIES	1.95	175.4	175.4	175.4	1.95	3.9
TR 257									
51+00	58+00	LT	VARIES	1.21	108.5	108.5	108.5	1.21	2.4
		RT	VARIES	0.96	86.8	86.8	86.8	0.96	1.9
TR 243									
15+50	19+00	LT	VARIES	0.39	35.1	35.1	35.1	0.39	0.8
		RT	VARIES	0.47	42.4	42.4	42.4	0.47	0.9
21+00	23+50	LT	VARIES	0.30	26.7	26.7	26.7	0.30	0.6
		RT	VARIES	0.30	26.9	26.9	26.9	0.30	0.6
SERVICE DRIVE 451									
70+45	85+60	LT	VARIES	0.33	29.3	29.3	29.3	0.33	0.7
		RT	VARIES	1.21	108.9	108.9	108.9	1.21	2.4
SERVICE DRIVE 547									
3+00	11+00	LT	VARIES	0.42	38.0	38.0	38.0	0.42	0.8
		RT	VARIES	0.25	22.7	22.7	22.7	0.25	0.5
TOTAL				104.73	9425.9	9425.9	9425.9	104.73	209.5
USE				105.00	9450	9450	9450	105.00	210

SEEDING, CLASS 5

STATION TO STATION	SIDE	WIDTH	ACRE	
FAP 322 (US 51)				
362+00	381+25	LT	VARIES	3.5
363+17	388+00	RT	VARIES	5.0
TOTAL				8.5

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 3 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11 DRAWN BY EBB CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	28
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

RIPRAP SCHEDULE

STATION TO STATION	SIDE	WIDTH	28100705	28100707	28200200
			RIPRAP CLASS A3	RIPRAP CLASS A4	FILTER FABRIC
SQ YD					
FAP 322 (US 51)					
336+95	337+05	LT	14	15.6	
340+95	341+05	LT	14	15.6	
343+60	344+43	RT	14 & VAR	200.8	
351+95	352+05	LT	13	14.4	
356+95	357+05	LT	13	14.4	
359+67	TR 268	RT	13	214.7	
TR 268	362+50	RT	13	235.5	
361+90	366+97	LT	49		3090.0
367+49	374+75	RT	VARIES		3092.0
374+95	375+05	LT	13	14.4	
375+15	375+25	RT	24	26.1	
381+05	381+35	RT	48		160.0
381+95	382+45	RT	48		266.7
388+00	388+60	RT	48 & VAR		342.4
389+95	390+05	LT	13	14.4	
411+00	TR 273	RT	33 & VAR		1376.0
413+75	TR 273	LT	16	225.6	
TR 273	416+05	LT	13	156.9	
TR 273	416+10	RT	VARIES	295.6	
419+00	435+50	LT	13		2383.3
419+50	422+59	RT	13		445.8
423+35	434+50	RT	13		1611.1
436+93	437+03	RT	13	14.4	
442+90	443+30	RT	13	57.8	
450+93	451+16	LT	13 & VAR	111.1	
451+68	452+08	RT	13	58.2	
460+14	462+07	RT	13		367.6
461+40	TR 257	RT	13		1012.0
461+84	462+07	LT	13		77.5
461+90	TR 255	LT	13		792.1
TR 255	469+78	LT	18 & VAR		568.6
TR 257	470+39	RT	28 & VAR		1221.8
469+98	472+00	LT	13 & VAR		378.7
470+61	473+35	RT	13 & VAR		464.2
479+95	480+05	RT	13	14.4	
481+00	481+96	LT	13 & VAR	195.9	
494+89	495+80	LT	13 & VAR	162.5	
496+47	497+13	RT	13	94.6	
506+58	510+00	LT	13 & VAR	570.7	
509+80	510+60	RT	VARIES		181.4
511+31	511+41	RT	13	14.4	
520+40	TR 243	LT	33	304.4	
TR 243	522+60	LT	13	209.8	
TR 243	522+66	RT	13	170.9	
537+09	537+24	LT	27	45.0	
538+80	539+10	LT	14	46.7	
538+93	540+00	RT	13	154.6	
545+90	546+10	LT	10	22.2	
545+90	546+69	LT	13	114.1	
546+01	546+64	RT	13	91.0	
547+51	547+75	LT	13	34.7	
TR 268					
15+00	16+71	LT	13	247.0	
15+00	16+92	RT	13	277.3	
16+92	17+36	RT	49 & VAR		630.0
17+36	US 51	RT	20.0		599.0
TR 255					
37+80	42+00	RT	17.0		793.3
39+50	42+50	LT	13.0	433.3	
			4889.2	19853.6	19853.6
USE			4890	19854	19854

* - SEE GEOTECHNICAL SCHEDULE FOR ADDITIONAL QUANTITIES

OIL & CHIP PAVING SCHEDULE

STATION TO STATION	SIDE	35100900 40300200 40300400 40300500 40300600 48101200						
		AGGREGATE BASE COURSE TYPE A, 10"	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (COVER & SEAL COATS)	COVER COAT AGGREGATE	SEAL COAT AGGREGATE	AGGREGATE SHOULDERS TYPE B	TON
SQ YD								
TR 268								
12+80.0	18+01.2	LT & RT	1365.5	1.95	5.84	13.7	27.3	147.2
22+04.5	25+50.0	LT & RT	898.1	1.28	4.41	9.0	18.0	97.6
TR 273								
15+10.0	17+83.0	LT & RT	699.6	1.00	2.99	7.0	14.0	77.0
22+17.3	25+00.0	LT & RT	729.4	1.04	3.12	7.3	14.6	79.9
TR 255								
37+75.0	47+81.6	LT & RT	2179.1	3.11	9.32	21.8	43.6	150.2
TR 257								
52+18.4	57+90.0	LT & RT	1495.3	2.13	6.39	15.0	29.9	161.4
TR 243								
15+50.0	17+82.5	LT & RT	606.8	0.86	2.59	6.1	12.1	65.6
22+17.5	23+10.0	LT & RT	236.8	0.34	1.01	2.4	4.7	26.9
SERVICE DRIVE 451 CONNECTOR								
8+43.3	8+91.0	LT & RT	252.7	0.36	1.08	2.5	5.1	
SERVICE DRIVE 451								
70+45.0	85+60.0	LT & RT	3021.1	4.31	12.92	30.2	60.4	
SERVICE DRIVE 547 CONNECTOR								
48+72.2	48+92.8	LT & RT	74.1	0.11	0.32	0.7	1.5	
SERVICE DRIVE 547								
2+49.0	10+98.0	LT & RT	1696.7	2.42	7.25	17.0	33.9	
TOTALS			13255.2	18.89	57.24	132.6	265.1	805.8
USE			13256	18.9	57.3	133	266	806

ENTRANCE SCHEDULE

STATION	SIDE	TYPE	WIDTH	LENGTH	AREA (SQ FT)	35100100	40200100	40800050
						AGGREGATE BASE COURSE TYPE A	AGGREGATE SURF COURSE TYPE A	INCIDENTAL HMA SURFACING
TON								
FAP 322 (US 51)								
341+85.00	LT	FE	24	39.1	963.4		36.6	
347+72.00	RT	PE	16	61.4	970.8	36.9		21.1
347+73.00	LT	FE	24	50.0	1225.5		46.5	
381+65.00	LT	FE	24	80.0	1945		73.8	
381+65.00	RT	FE	24	80.0	1945		73.8	
423+00.00	RT	FE	24	65.3	1592.2		60.4	
441+50.00	LT	FE	24	92.0	3946		149.8	
457+77.00	LT	PE	24	115.0	2759.7		104.8	
482+00.00	RT	FE	24	86.0	2089		79.3	
490+00.00	LT	FE	24	61.0	1489		56.5	
497+52.00	LT	FE	24	73.0	1777.1		67.5	
497+52.00	RT	FE	24	71.0	1728.9		65.6	
547+10.00	RT	FE	24	87.0	5307.7		201.5	
TR 268								
21+79.00	LT	CE	24	43.6	1159.6		58.7	
24+02.30	RT	FE	24	19.2	684.3		26.0	
SERVICE DRIVE 451								
70+90.00	RT	FE	24	26.0	849		32.2	
77+00.00	RT	FE	24	35.0	1064.7		40.4	
83+70.00	RT	FE	24	28.2	901.8		34.2	
TR 243								
16+25.00	LT	FE	24	23.0	777.1		29.5	
23+75.00	RT	FE	24	20.0	705.2		26.8	
SERVICE DRIVE 547								
4+04.40	LT	CE	24	20.0	707.8		35.8	
10+00.00	LT	FE	24	18.2	661.3		25.1	
TOTALS						36.9	1325.0	21.1
USE						37	1325	22

REVISIONS	
NAME	DATE
SEB	10/10/12
SEB	11/7/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 4 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DRAWN BY EBB
 DATE 4/11 CHECKED BY

11/7/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	29
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PAVING SCHEDULE

STATION TO STATION		SIDE	30200650	30201500	31100700	31100910	35501318	35501324	35501322	40600200	40600300	40600635	40603085	40603315	40603515	40603540	40701866	40701956	31101900	48203029	48101200	64200116
			PROCESSING MODIFIED SOIL 12"	LIME	SUBBASE GRANULAR MATERIAL, TYPE A, 8"	SUBBASE GRANULAR MATERIAL, TYPE A 12"	HOT-MIX ASPHALT BASE COURSE, 8 1/2"	HOT-MIX ASPHALT BASE COURSE, 10"	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD) N70	HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE MIX "C", N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "C", N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70	HOT-MIX ASPHALT (FULL-DEPTH), 9 1/4"	HOT-MIX ASPHALT (FULL-DEPTH), 13 3/4"	SUBBASE GRANULAR MATERIAL, TYPE C	HOT-MIX ASPHALT SHOULDERS, 8"	AGGREGATE SHOULDERS TYPE B	SHOULDER RUMBLE STRIPS 16 INCH
			SO YD	TON	SO YD	SO YD	SO YD	SO YD	SO YD	TON	TON	TON	TON	TON	TON	TON	SO YD	SO YD	TON	SO YD	TON	FOOT
FAP 322 (US 51)																						
329+00.0 343+00.0		NBL	1178	23.6						0.76	1.3						667	166.7	444.4	76.3	500	
		MEDIAN																				
		SBL	5895	117.9						4.02	7						3524	607.1	1625.6	209.1	1149	
343+00.0 358+00.0		NBL	7501	150.0						5.34	9.4						4685	912.7	2391.9	424.1	2232.2	
		MEDIAN																				
		SBL	7009	140.2						4.52	7.9						3961	989.3	2594.9	437.6	2970.4	
358+00.0 373+00.0		NBL	7633	152.7		591				5.63	9.9						4938	836.2	2179.3	381.5	2167.1	
		MEDIAN				265				0.36	0.6						312					
		SBL	8214	164.3		877				6.59	11.6						5777	751.2	1946.6	350.3	1413.7	
373+00.0 388+00.0		NBL	7710	154.2						5.48	9.6						4811	930.9	2463.3	373.5	2788.7	
		MEDIAN								0.32	0.6						277					
		SBL	7710	154.2						5.48	9.6						4803	933.4	2470.9	373.1	2788.6	
388+00.0 100+75.0		NBL	7123	142.5						4.6	8.1						4032	1008.4	2688.0	461.5	3053	
		MEDIAN																				
		SBL	7123	142.5						4.61	8.1						4040	1006.1	2680.4	461.5	3039.1	
100+75.0 418+00.0		NBL	7449	149.0		592				6.43	11.3						5642	763.2	1962.6	359.8	2722.3	
		MEDIAN				247				0.32	0.6						277					
		SBL	6984	139.7		675				5.75	10.1						5046	864.3	2241.9	395.7	2718.5	
418+00.0 433+00.0		NBL	7066	141.3						4.56	8						4000	1000.4	2666.7	457.8	2948.7	
		MEDIAN																				
		SBL	7238	144.8		156				5.25	9.2						4604	909.7	2389.4	422.3	3000.7	
433+00.0 448+00.0		NBL	7307	146.1						4.93	8.6						4321	974.1	2584.6	421.8	3001.3	
		MEDIAN																				
		SBL	7064	141.3						4.56	8						3999	1000.1	2666.7	457.8	2948	
448+00.0 463+00.0		NBL	7456	149.1						5.5	9.6						4823	896.7	2358.0	375.2	2690.2	
		MEDIAN								0.32	0.6						277					
		SBL	7549	151.0						5.48	9.6						4811	930.9	2461.1	370.3	2796.7	
463+00.0 478+00.0		NBL	6560	131.2		591				5.45	9.6						4782	759.9	2004.9	191.6	2342.1	
		MEDIAN				170				0.32	0.6						277					
		SBL	6211	124.2		591				5.29	9.3						4643	679.5	1757.6	240.6	2318.8	
478+00.0 493+00.0		NBL	7146	142.9						4.7	8.3						4127	984.7	2618.4	440.5	2949.2	
		MEDIAN																				
		SBL	7067	141.3						4.56	8						4000	1000.5	2666.7	457.8	2949	
493+00.0 508+00.0		NBL	7469	149.4						5.34	9.4						4686	946.9	2511.5	390.4	2792.1	
		MEDIAN								0.31	0.6						276					
		SBL	7547	150.9						5.48	9.6						4809	930.6	2463.3	373.3	2796.1	
508+00.0 523+00.0		NBL	7374	147.5		591				6.39	11.2						5601	752.6	1648.5	354.9	2692	
		MEDIAN				185				0.32	0.6						277					
		SBL	6751	135.0		591				5.19	9.1						4552	892.1	2645.0	411.1	2683.7	
523+00.0 538+00.0		NBL	7067	141.3						4.56	8						4000	1000.5	2666.7	457.8	3000	
		MEDIAN																				
		SBL	7690	153.8						5.76	10.1						5049	860.9	2240.3	401.6	3000.5	
538+00.0 553+00.0		NBL	7549	151.0						5.48	9.6						4811	930.9	2463.3	373.1	2796.7	
		MEDIAN								0.32	0.6						277					
		SBL	7542	150.8						5.46	9.6						4787	895.3	2360.1	362.5	2703.5	
553+00.0 568+00.0		NBL	942	18.8						4.45	7.8				377.2		533	325.8	847.4	306.8	400	
		MEDIAN																				
		SBL	5499	110.0						4.59	8.1					100.4	3133	772.0	2055.3	419	2332.1	
568+00.0 583+00.0		NBL																			16.8	
		MEDIAN																				
		SBL								0.6	3.2					177.7		97.7	249.9	89.8	375	
SUBTOTALS			219329	4386.6	0	6122	0	0	0	165.38	292.6	0	0	0	0	655.3	0	140247	27311.2	72015.0	12097.3	81059.0

MATERIAL TRANSFER DEVICE

ROADWAY	PAY ITEM	LIFT	DEPTH	SO YD	TON
US 51	HOT-MIX ASPHALT (FULL-DEPTH), 13 3/4 "	SURFACE	2"	126120	14126
		BINDER	2 1/4"	120288	15154
TOTALS				246408	29280

MATERIAL TRANSFER DEVICE APPLIES TO US 51 MAINLINE PAVING ONLY, NO TURN LANES, TAPERS, OR CROSSOVERS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 5 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11

DRAWN BY EBB
 CHECKED BY

PAVING SCHEDULE (CONTINUED)

STATION TO STATION	SIDE	30200650	30201500	31100700	31100910	35501318	35501324	35501322	40600200	40600300	40600635	40603085	40603315	40603515	40603540	40701866	40701956	31101900	48203029	48101200	64200116	
		PROCESSING MODIFIED SOIL 12"	LIME	SUBBASE GRANULAR MATERIAL, TYPE A, 8"	SUBBASE GRANULAR MATERIAL, TYPE A 12"	HOT-MIX ASPHALT BASE COURSE, 8 1/2"	HOT-MIX ASPHALT BASE COURSE, 10"	HOT-MIX ASPHALT BASE COURSE, 9 1/2"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MACHINE METHOD) N70	HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	HOT-MIX ASPHALT SURFACE COURSE MIX "C", N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "C", N70	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE MIX "D", N70	HOT-MIX ASPHALT (FULL-DEPTH), 9 1/4"	HOT-MIX ASPHALT (FULL-DEPTH), 13 3/4"	SUBBASE GRANULAR MATERIAL, TYPE C	HOT-MIX ASPHALT SHOULDERS, 8"	AGGREGATE SHOULDERS TYPE B	SHOULDER RUMBLE STRIPS 16 INCH	
		SO YD	TON	SO YD	SO YD	SO YD	SO YD	SO YD	TON	TON	TON	TON	TON	TON	TON	SO YD	SO YD	TON	SO YD	TON	FOOT	
EXISTING US 51																						
200+11.9	212+18.9	LT & RT				369			3.52	6.2	21	190			345.6				1528.5	179.4		
1231+90.7	244+27.9	RT					1406															
1231+90.7	244+27.9	LT					1667															
CROSSOVER "A"																						
50+00.0	57+15.1	LT & RT			1342			1269.7	1.43	2.5				159.3	139.8							
57+15.1	65+39.4	LT & RT	1134	22.7				1623.1	1.83	3.2				203.7	177.6					186.4		
TR 268																						
18+01.2	19+40.9	LT & RT			875				0.63	1.7						825					17.9	
20+64.8	22+04.5	LT & RT			875				0.63	1.7						825					17.9	
US 51 RELOCATION																						
98+50.0	104+56.4	LT & RT							1.64	4.3	183	265	241.5									
104+56.4	106+57.9	LT & RT				724			0.54	1.4												
106+57.9	110+45.0	LT & RT							1.05	2.8	128	436	154.1									
TR 273																						
17+83.0	19+39.0	LT & RT			902				0.65	1.7						857					19.9	
20+61.0	22+17.3	LT & RT			903				0.65	1.7						860					19.8	
CROSSOVER "B"																						
70+00.0	78+42.8	LT & RT				1832			0.69	3.6			203.1									
SERVICE DRIVE 451 CONN.																						
8+43.3	9+51.0	LT & RT			312				0.33	0.9						429					6.6	
TR 255																						
47+81.6	49+39.0	LT & RT			911				0.66	1.7						866					20	
TR 257																						
50+61.0	52+18.4	LT & RT			916				0.65	1.7						859					17.9	
TR 243																						
17+82.5	19+39.0	LT & RT			905				0.65	1.7						860					19.9	
20+61.0	22+17.5	LT & RT			905				0.65	1.7						860					19.9	
SERVICE DRIVE 547 CONN.																						
48+72.2	49+51.1	LT & RT			274				0.29	0.8						382					6.4	
CROSSOVER "D"																						
80+00.0	88+91.6	LT & RT				782			0.6	1.6			87.9									
TOTALS																						
			220463	4409.3	7778	7464	3707	3073	2893	182.5	333.5	332	891	766.8	363.0	1318.3	7623	140247	27312	73543	12629	81059

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	30
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT FOR PATCHING POTHOLES

PAY ITEM	DESCRIPTION	UNIT	TOTAL
Z0005010	HOT-MIX ASPHALT FOR PATCHING POTHOLES (COLD MIX)	TON	75

THIS ITEM INCLUDES AN ESTIMATED QUANTITY TO REPAIR POTHOLES DUE TO HAUL ROAD ACTIVITIES ON EXISTING BITUMINOUS / OIL & CHIP ROADS. THE ITEM MAY BE REDUCED, INCREASED, OR DELETED BY THE ENGINEER BASED ON ACTUAL FIELD CONDITIONS. NO WORK INVOLVING THIS ESTIMATED QUANTITY SHALL BE PERFORMED WITHOUT THE DIRECTION AND APPROVAL OF THE ENGINEER.

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

40600982			
STATION TO STATION	SIDE	WIDTH	SO YD
US 51 RELCOATION			
98+50.0	98+70.0	LT & RT	32.0
110+25.0	110+45.0	LT & RT	32.0
EX US 51			
200+11.9	200+31.9	LT & RT	25.2
TOTAL			
			198.1
USE			
			199

BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)

42001430				
STATION TO STATION	SIDE	WIDTH	SO YD	
FAP 322 (US 51)				
468+38.6	469+38.6	NBL	VARIES	500.3
471+21.2	472+21.2	NBL	40.0	444.4
468+18.8	469+18.8	SBL	56.0	622.2
471+01.4	472+01.4	SBL	VARIES	575.5
TOTAL				2142.5
USE				2143

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 6 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11

DRAWN BY EBB
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PAVEMENT REMOVAL

44000100

STATION TO STATION	SIDE	WIDTH	SO YD
EX US 51			
212+18.9	216+67.4	LT & RT	26.0
1216+55.0	1217+57.8	LT & RT	26.0
1224+65.9	1232+69.6	LT & RT	26.0
1238+00.0	1240+00.0	LT	VARIES
1238+00.0	1240+00.0	LT & RT	32.0
273+99.5	285+77.9	LT & RT	25.0
293+77.2	341+46.3	LT & RT	25.0
343+28.9	351+27.5	LT & RT	24.0
357+27.5	368+77.1	LT & RT	25.0
388+27.0	421+27.0	LT & RT	25.0
FAP 322 (US 51)			
557+00.0	567+63.0	LT & RT	VARIES
RELOCATED US 51			
101+11.4	110+45.0	LT	VARIES
CROSSOVER "B"			
70+00.0	78+42.8	LT & RT	VARIES
CROSSOVER "D"			
81+46.1	88+91.6	LT & RT	VARIES
TOTAL			44312.6
USE			44313

* CROSSOVER "A" & SB TRANSITION FROM PREVIOUS CONTRACT

PAVED SHOULDER REMOVAL

44004250

STATION TO STATION	SIDE	WIDTH	SO YD
EX US 51			
200+11.9	212+18.9	LT	1.5
200+11.9	212+18.9	RT	1.5
1239+56.0	244+27.9	RT	2.0
1240+00.0	244+74.0	LT	2.0
301+91.7	308+20.5	LT	1.5
337+93.0	341+40.4	LT	VARIES
337+92.2	341+51.1	RT	VARIES
343+33.7	346+82.0	RT	VARIES
343+69.5	346+82.0	LT	VARIES
FAP 322 (US 51)			
551+00.0	564+66.0	SBL	10
562+00.0	564+66.0	SBL	6
TOTAL			3289.1
USE			3290

* SB TRANSITION FROM PREVIOUS CONTRACT

PAVED DITCH REMOVAL

44004000

STATION TO STATION	SIDE	FOOT
EX US 51		
292+50.9	296+68.2	LT
292+51.2	296+65.7	RT
300+66.4	304+52.5	LT
300+67.6	304+51.2	RT
329+35.3	340+20.2	RT
330+26.0	338+70.7	LT
TOTAL		3531.1
USE		3532

GUARDRAIL REMOVAL

63200310

STATION TO STATION	SIDE	FOOT
FAP 322 (US 51)		
360+19.0	362+33.3	LT
361+33.0	362+94.0	RT
381+55.4	381+55.4	RT
381+78.4	381+78.4	RT
467+74.0	469+43.9	LT
468+38.3	469+54.8	LT
470+65.6	470+75.6	LT
470+75.2	472+70.0	LT
TOTAL		1187.8
USE		1188

TREE REMOVAL SCHEDULE (UNIT DIAMETER)

20100110 20100210

STATION	SIDE	OFFSET	UNIT	
			6 TO 15	OVER 15
TR 273				
20+88.4	RT	57.7	15	
20+94.0	RT	65.3		18
21+30.7	RT	27.3		40
21+70.2	RT	27.5		40
21+72.0	RT	65.2	9	
21+94.3	RT	52.4	8	
22+06.6	RT	26.0		37
22+07.8	RT	60.2	14	
22+15.0	RT	28.6	10	
22+10.3	RT	18.2	6	
22+45.7	RT	26.9		43
22+85.1	RT	26.9		34
23+01.2	RT	42.0	14	
23+01.4	RT	48.9		27
ESTIMATED			500	500
TOTAL			576	739

TREE REMOVAL (ACRES)

20100500

STATION TO STATION	SIDE	ACRES
FAP 322 (US 51)		
468+70	469+65	RT
TR 255		
44+30	48+90	LT
TOTAL		0.81
USE		1.00

REMOVAL OF EXISTING STRUCTURES

PAY ITEM NO.	STATION	SIDE	OFFSET	DESCRIPTION	EACH
FAP 322 (US 51)					
50100300	382+08.6	RT	89.3	CONCRETE SPILLWAY	1
50100400	388+32.5	RT	58.3	CONCRETE RETAINING WALL	1
50100500	415+17.1	RT	37.4	2'x1.5' RCBC	1
50100600	455+91.1	RT	32.5	CONCRETE FOUNDATION	1
50100700	509+00.7	LT	49.3	6'x4' RCBC	1
TR 268					
50100800	18+09.6	LT	103.9	10'x4' RCBC	1

* VOID TO BE FILLED WITH GRANULAR CULVERT BACKFILL

GRANULAR CULVERT BACKFILL

Z0023602

STATION	SIDE	CU YD
FAP 322 (US 51)		
415+17.1	RT	35
509+00.7	LT	60
TOTAL		95
USE		100

BUILDING REMOVAL SCHEDULE

PAY ITEM NO.	STATION	SIDE	OFFSET	DESCRIPTION	L SUM
FAP 310 (US 67)					
Z0007601	476+59.4	RT	68.4	HOUSE	1
Z0007602	531+68.7	RT	60.6	GRAIN BIN (FOUNDATION)	1
Z0007603	531+74.4	RT	115.3	BARN (FOUNDATION)	1
Z0007604	532+02.3	RT	67.1	GRAIN BIN (FOUNDATION)	1

PIPE CULVERT REMOVAL

50105220

STATION	SIDE	OFFSET	DESCRIPTION	FOOT
FAP 322 (US 51)				
341+96.2	RT	7.1	15" CMP	38
353+94.4	RT	75.8	18" CMP	74
361+25.9	RT	91.2	18" CMP	102
362+03.6	LT	41.7	15" CONC	74
375+23.4	RT	96.5	10" CLAY	32
381+66.2	RT	74.5	84" STEEL	31
382+08.7	RT	105.7	6" CMP	22
388+55.3	RT	6.5	24" CMP	21
388+73.1	RT	117.6	18" CLAY	27
391+88.4	RT	34.9	18" PLASTIC	47
414+93.8	RT	1.0	18" CMP	32
414+95.1	RT	86.5	48" CMP	34
428+18.6	LT	30.2	18" CMP	37
428+23.0	RT	30.9	15" CMP	35
441+31.3	RT	4.4	12" CMP	30
441+51.0	LT	50.3	15" CMP	31
455+89.8	LT	3.8	15" CMP	36
457+81.8	LT	67.3	15" CMP	33
468+17.2	RT	17.8	30" CMP	68
470+97.9	LT	91.8	48" CMP	56
476+33.2	LT	5.4	24" CMP	37
482+06.0	LT	7.7	18" CMP	37
497+53.1	LT	18.4	15" CMP	37
502+59.2	LT	81.3	18" CMP	19
520+98.9	LT	18.6	15" CMP	23
521+60.3	LT	82.8	24" CMP	40
534+95.4	LT	17.7	15" CMP	37
539+90.9	LT	79.7	18" CMP	38
541+15.4	LT	80.2	18" CMP	38
547+43.4	LT	79.8	15" CMP	31
549+54.5	LT	17.1	18" CMP	37
549+58.0	LT	79.3	18" CMP	36
550+29.1	LT	79.8	15" CMP	37
568+25.0	CL	0.0	18" CMP	350
TR 268				
21+85.8	LT	56.5	15" CMP	73
24+19.4	RT	80.8	24" CMP	46
24+37.8	RT	17.8	24" CMP	27
24+43.6	LT	14.5	15" CMP	20
TR 273				
21+43.7	RT	20.9	18" STEEL	17
21+87.5	RT	20.1	12" CMP	20
22+56.7	RT	21.1	21" STEEL	22
TR 243				
18+56.4	LT	18.8	15" CMP	20
TOTAL				1902

SIDEWALK REMOVAL

44000600

STATION	SIDE	SO FT
FAP 322 (US 51)		
540+13.3	LT	310.9
TOTAL		310.9
USE		311

PAVEMENT BREAKING

Z0004638

STATION TO STATION	SIDE	WIDTH	SO YD
EX US 51			
1217+57.8	1224+65.9	LT & RT	25.0
1232+69.6	1240+63.2	LT & RT	25.0
255+99.5	273+99.5	LT & RT	25.0
379+27.0	388+27.0	LT & RT	25.0
421+27.0	423+27.0	LT & RT	25.0
FAP 322 (US 51)			
551+00.0	557+00.0	LT & RT	VARIES
TOTAL			14644.9
USE			14645

* CROSSOVER "A" & SB TRANSITION FROM PREVIOUS CONTRACT

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 7 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11 DRAWN BY EBB CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	32
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

GUARDRAIL SCHEDULE

STATION TO STATION	SIDE	TRAFFIC BARRIER TERMINAL					AGGREGATE SHOULDERS TYPE B (SPECIAL) TON		
		63000001		63100085		63100167		63100169	X4811300
		SPBGR TYPE A (6 FOOT POSTS)	TYPE 6	TYPE 6A	TYPE 1 SPECIAL (TANGENT)	TYPE 1 SPECIAL (FLARED)		TYPE B (SPECIAL)	
FAP 322 (US 51)									
467+47.52	469+77.14	RT OS	134.38	1			50.0		
467+61.52	469+66.20	RT IS	109.38	1			43.3		
470+61.27	473+78.68	LT OS	221.88	1			77.7		
470+76.50	474+56.23	LT IS	284.38	1			87.3		
470+83.78	473+76.31	RT IS	196.88	1			68.8		
470+94.72	472+74.75	RT OS	84.38	1			44.1		
TR 255									
40+26.48	41+87.42	RT	59.38		1	1	40.8		
40+87.76	42+03.58	LT	21.88		1	1	30.1		
43+36.42	44+53.68	RT	21.88		1	1	30.5		
43+52.58	45+22.00	LT	71.88		1	1	42.9		
TOTALS			1206.30	6	4	8	515.4		
USE			1206.30	6	4	8	516		

* GUARDRAIL PLACED AT 1:15 TAPER.

MARKER SCHEDULE

STATION TO STATION	SIDE	MARKERS		
		78200410	78200520	78201000
		GUARDRAIL MARKERS TYPE A	BARRIER WALL MARKERS TYPE B	TERMINAL MARKER DIRECT APPLIED
FAP 322 (US 51)				
467+47.52	472+74.75	NBL OUT	5	2
467+61.52	473+76.31	NBL IN	7	2
470+61.27	473+78.68	SBL OUT	4	2
470+76.50	474+56.23	SBL IN	5	2
TR 255				
40+26.48	44+53.68	RT	5	
40+87.76	45+22.00	LT	5	
TOTAL			31	10

CONCRETE PAD

STATION	SIDE	WIDTH	LENGTH	SQ YD
FAP 322 (US 51)				
436+19.8	RT	8.0	39.9	35.5
436+20.4	LT	8.0	42.3	37.6
TOTAL				73.1
USE				74

PAVEMENT PATCHING, TYPE II, 12 INCH

STATION	SIDE	LENGTH	WIDTH	SQ YD
EX US 51				
1233+85.00	LT	4.75	13.25	7.0
1233+85.00	RT	4.75	13.25	7.0
EX TR 257				
21+51.0	LT & RT	6.50	14.00	10.1
TOTALS				24.1
USE				25

WOVEN WIRE FENCE, 4'

STATION TO STATION	SIDE	FOOT
FAP 322 (US 51)		
539+65.0	546+85.0	LT
547+35.0	549+35.0	LT
TOTAL		921.1
USE		922

TEMPORARY CONCRETE BARRIER

STATION TO STATION	SIDE	SECTIONS	FOOT
US 51 RELOCATION - STAGE 1A			
104+06.3	107+08.0	LT	24
US 51 RELOCATION - STAGE 1B			
102+45.5	109+83.4	LT	35
TOTAL			747.3

RELOCATE TEMPORARY CONCRETE BARRIER

STATION TO STATION	SIDE	SECTIONS	FOOT
US 51 RELOCATION - STAGE 1B			
102+45.5	109+83.4	LT	24
TOTAL			304.0

PERMANENT BARRICADES

STATION	SIDE	EACH
FAP 322 (US 51)		
336+75	LT	2
TOTAL		2

IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW) TEST LEVEL 3

STATION	SIDE	EACH
US 51 RELOCATION		
104+06.3	LT	1
107+08.0	LT	1
TOTAL		2

IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE) TEST LEVEL 3

STATION	SIDE	EACH
US 51 RELOCATION		
102+45.5	LT	1
109+83.4	LT	1
TOTAL		2

REVISIONS	
NAME	DATE
SEB	10/10/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 8 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11 DRAWN BY EBB CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	33
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PIPE CULVERTS, CLASS A SCHEDULE

STRUCTURE NO.	STATION	SIDE	PIPE CULVERTS, CLASS A						TRENCH BACKFILL CU YD	
			TYPE 1			TYPE 2				
			24"	30"	36"	42"	54"	60"		
FAP 322 (US 51)										
1	337+00.0	LT	64					13.8		
2	341+00.0	LT	64					11.9		
4	352+00.0	RT		78				11.0		
5	357+00.0	LT		78				13.6		
6	359+80.0	LT & RT				332		169.2		
7	362+15.0	RT		86				38.3		
9	375+00.0	LT		94				39.0		
12	390+00.0	LT		88				37.2		
13	408+54.0	LT		80				38.1		
14	415+93.0	LT		94				15.0		
16	436+98.0	RT		68				11.6		
18	443+00.0	RT		86				30.1		
20	466+09.0	RT		100				53.2		
21	473+30.0	RT		90				11.0		
22	480+00.0	RT		86				54.3		
24	496+52.0	RT		94				49.0		
27	509+20.0	LT & RT				332		130.6		
28	511+36.0	RT		82				12.9		
29	522+61.0	RT		74				23.2		
30	539+00.0	LT & RT		320				141.6		
31	546+10.0	RT		84				50.1		
SERVICE DRIVE 451										
34	71+99.5	LT & RT				96		15.2		
SERVICE DRIVE 451 CONNECTOR										
37	8+92.3	LT & RT					116	90.1		
SERVICE DRIVE 547										
39	8+90.0	LT & RT				100		11.4		
SERVICE DRIVE 547 CONNECTOR										
40	49+09.0	LT & RT				66		23.4		
TR 273										
44	18+67.0	LT & RT				64		23.4		
45	21+35.0	LT & RT					140	57.4		
TR 255										
46	48+67.0	LT & RT				86		49.3		
TR 257										
47	51+33.0	LT & RT					240	110.3		
TR 243										
49	18+67.0	LT & RT				120		62.6		
TOTALS			128	1682	196	184	66	866	380	1393.3

* - SEE GEOTECHNICAL SCHEDULE FOR ADDITIONAL QUANTITIES

PIPE CULVERTS, CLASS D SCHEDULE

STRUCTURE NO.	STATION	SIDE	PIPE CULVERTS, CLASS D												TRENCH BACKFILL CU YD		
			TYPE 1						TYPE 2							(TEMPORARY) TYPE 1	
			15"	18"	24"	48"	60"	18"	24"	30"	36"	48"	15"	18"			36"
			FOOT														
FAP 322 (US 51)																	
3	341+85.0	LT				82											
10	381+65.0	LT					78										
15	423+00.0	RT								76							
17	441+50.0	LT									88						
19	457+77.0	LT										104					
23	482+00.0	RT								70							
25	497+52.0	LT									66						
26	497+52.0	RT								82							
32	547+10.0	RT					94										
T1	341+85.0	RT												40			
T2	347+73.0	CL												40			
T3	353+93.1	RT												60			
T4	362+15.0	RT											78		4.4		
T5	375+00.0	RT											6				
T6	381+65.0	RT												40			
T7	390+00.0	RT											2				
T8	415+93.0	RT											2				
T9	468+24.0	RT													48		
T10	480+00.0	LT											6				
T11	482+00.0	LT												50			
T12	496+52.0	LT											12				
T13	522+61.0	LT & RT											8				
T14	540+00.0	CL												40			
T15	540+00.0	LT												40			
SERVICE DRIVE 451																	
35	77+00.0	RT				50											
36	83+70.0	RT				54											
SERVICE DRIVE 547																	
38	4+05.9	LT				54											
TR 268																	
42A	21+79.0	LT							62								
42	24+02.3	RT				70											
TR 243																	
48	16+25.0	LT				52											
CROSSOVER "B"																	
T16	71+50.0	LT & RT												48	5.0		
CROSSOVER "D"																	
T17	84+46.3	LT & RT												350	34.9		
TOTALS			54	226	82	94	78	62	152	142	88	104	162	660	48	44.3	

* - SEE GEOTECHNICAL SCHEDULE FOR ADDITIONAL QUANTITIES

PRECAST REINFORCED CONCRETE FLARED END SECTIONS SCHEDULE

STRUCTURE NO.	STATION	SIDE	PRECAST REINF CONC FLARED END SECTIONS			
			24"	36"	42"	54"
			EACH			
FAP 322 (US 51)						
1	337+00.0	LT	1			
2	341+00.0	LT	1			
4	352+00.0	RT	1			
5	357+00.0	LT	1			
7	362+15.0	RT	1			
9	375+00.0	LT	1			
12	390+00.0	LT	1			
13	408+54.0	LT	1			
14	415+93.0	LT	1			
16	436+98.0	RT	1			
18	443+00.0	RT	1			
20	466+09.0	RT	1			
21	473+30.0	RT	1			
22	480+00.0	RT	1			
24	496+52.0	RT	1			
28	511+36.0	RT	1			
29	522+61.0	RT	1			
31	546+10.0	RT	1			
SERVICE DRIVE 451 CONNECTOR						
37	8+92.3	LT & RT				2
SERVICE DRIVE 547 CONNECTOR						
40	49+09.0	LT & RT				2
TR 273						
44	18+67.0	LT & RT			2	
TR 255						
46	48+67.0	LT & RT				2
TOTALS			18	2	2	4

MANHOLE / INLET SCHEDULE

STRUCTURE NO.	STATION	SIDE	MANHOLE, 5' DIAMETER			INLET BOX		INLET	
			W/	W/	STANDARD	TY A			
			MED INLET (604106)	TY 1 FRAME CLOSED LID	542501	W/ TY 8 GR TEMPORARY			
FAP 322 (US 51)									
2	341+00.0	LT					1		
4	352+00.0	RT	1						
5	357+00.0	LT	1						
7	362+15.0	RT	1						
9	375+00.0	LT	1						
12	390+00.0	LT	1						
13	408+54.0	LT	1						
14	415+93.0	LT	1						
16	436+98.0	RT				1			
18	443+00.0	RT	1						
20	466+09.0	RT	1	1					
21	473+30.0	RT	1	1					
22	480+00.0	RT	1						
24	496+52.0	RT	1						
28	511+36.0	RT	1						
29	522+61.0	RT	1						
31	546+10.0	RT	1						
33	555+50.0	CL	1						
T4	362+15.0	RT						1	
CROSSOVER "B"									
T16	71+50.0	LT & RT							1
TOTALS			16	2	2	2			

CULVERT TO BE FILLED

STATION	SIDE	SIZE	59300100 Z0041500	
			CONTROLLED LOW STRENGTH MATERIAL CU YD	PLUG EXISTING CULVERTS EACH
EX US 51				
1233+36.0	LT & RT	2-10'x8'	558.2	1
TOTAL			558.2	1
USE			559	1

REVISIONS		
NAME	DATE	
SEB	10/10/12	
SEB	11/7/12	

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
 SHEET 9 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11 DRAWN BY EBB CHECKED BY

11/7/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	34
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PRECAST CONCRETE BOX CULVERT SCHEDULE

STRUCTURE NO.	STATION	SIDE	10'x6'
			FOOT
FAP 322 (US 51)			
11	381+65.0	RT	88
TOTALS			88

DELINEATORS

63500105

STATION TO STATION	LANE	SIDE	SINGLE WHITE	DOUBLE WHITE	DOUBLE AMBER
			EACH		
FAP 322 (US 51)					
328+00.0	343+00.0	NBL	RT	1	
		SBL	LT	1	
343+00.0	358+00.0	NBL	LT		5
			RT	5	
		SBL	LT	8	
358+00.0	373+00.0	NBL	LT		2
			RT	7	
		SBL	LT	4	7
			RT		7
373+00.0	388+00.0	NBL	RT	4	
		SBL	LT	4	
388+00.0	100+75.0	NBL	RT	4	
		SBL	LT	4	
100+75.0	418+00.0	NBL	LT		7
			RT	2	7
		SBL	LT	3	3
			RT		3
418+00.0	433+00.0	NBL	RT	4	
		SBL	LT	2	4
			RT		4
433+00.0	448+00.0	NBL	RT	3	
		SBL	LT	4	
448+00.0	463+00.0	NBL	LT		3
			RT	3	3
		SBL	LT	4	
			RT		7
463+00.0	478+00.0	NBL	LT		4
			RT	1	4
		SBL	LT	1	2
			RT		2
478+00.0	493+00.0	NBL	RT	4	
		SBL	LT	4	
493+00.0	508+00.0	NBL	RT	4	
		SBL	LT	4	
508+00.0	523+00.0	NBL	LT		7
			RT	2	7
		SBL	LT	3	1
			RT		1
523+00.0	538+00.0	NBL	RT	3	
		SBL	LT	2	6
			RT		6
538+00.0	553+00.0	NBL	LT		7
			RT	4	
		SBL	LT	4	
553+00.0	568+00.0	NBL	RT	1	
		SBL	LT	3	
EX US 51					
200+11.9	212+18.9		LT	1	
200+11.9	212+18.9		RT	4	
TOTALS				112	51
USE				228	65

CAST-IN-PLACE PIPE CULVERT END SECTIONS

50300225 50800105

STRUCTURE NO.	STATION	SIDE	CONCRETE STRUCTURES	REINF BARS
			CU YD	POUND
FAP 322 (US 51)				
6	359+80.0	LT & RT	12.8	670
11	381+65.0	RT	33.2	1860
27	509+20.0	LT & RT	12.8	670
30	539+00.0	LT & RT	3.0	180
SERVICE DRIVE 451				
34	71+99.3	LT & RT	3.8	190
SERVICE DRIVE 547				
39	8+90.0	LT	2.9	320
		RT	1.9	95
TR 273				
45	21+35.0	LT & RT	15.0	780
TR 257				
47	51+33.0	LT & RT	19.2	930
TR 243				
49	18+67.0	LT & RT	5.0	230
TOTALS			109.6	5925

REMOVE EXISTING FLARED END SECTION

X0322936

STATION	SIDE	EACH
FAP 322 (US 51)		
555+50.0	CL	1
TOTAL		1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 10 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DRAWN BY EBB
 DATE 4/11 CHECKED BY

10/5/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	35
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PIPE UNDERDRAIN SCHEDULE
60107600 60108100 60100060 78001120

PIPE UNDERDRAIN 4"		PIPE UNDERDRAIN 4" (SPECIAL)				CONCRETE HEADWALL	PAINT PAVEMENT MARKING 5"
BEGINNING STATION	ENDING STATION	LENGTH	OUTLET STATION	LENGTH	CONNECT TO	EACH	FOOT
		FOOT		FOOT	STRUCTURE		
FAP 322 (US 51)							
331+00	333+50	250.0	333+50	19.9		1	2.0
333+50	337+00	350.0	337+00		Y		
337+00	341+00	400.0	337+00		Y		
341+00	346+00	500.0	341+00		Y		
346+00	350+20	420.0	346+00	20.4		1	2.0
350+20	352+00	180.0	352+00		Y		
352+00	357+00	500.0	357+00		Y		
357+00	360+06	306.0	357+00		Y		
372+46	375+00	254.0	375+00	22.8		2	2.0
375+00	378+50	350.0	375+00				
378+50	382+00	350.0	378+50	21.3		1	2.0
382+00	386+00	400.0	386+00	21.3		1	2.0
386+00	390+00	400.0	390+00	22.8		2	2.0
390+00	393+50	350.0	390+00				
393+50	397+00	350.0	393+50	19.8		1	2.0
397+00	400+50	350.0	397+00	21.3		1	2.0
400+50	404+50	427.5	404+50	21.2		1	2.0
404+50	408+54	404.0	408+54		Y		
408+54	411+00	246.0	408+54		Y		
411+00	413+82	282.0	411+00	19.8		1	2.0
415+82	420+00	418.0	415+82	14.6		1	2.0
420+00	424+72	472.0	420+00	14.6		1	2.0
424+72	429+00	428.0	429+00	19.8		1	2.0
429+00	433+00	400.0	433+00	19.8		1	2.0
433+00	436+98	398.0	436+98	19.8		2	2.0
436+98	441+00	402.0	436+98				
441+00	445+00	400.0	441+00	19.8		1	2.0
445+00	449+09	409.0	445+00	19.8		1	2.0
449+09	453+00	391.0	453+00	22.2		1	2.0
453+00	457+00	400.0	457+00	19.8		1	2.0
457+00	461+00	400.0	461+00	19.8		1	2.0
461+00	465+98	498.0	465+98	19.8		1	2.0
468+00	469+11	111.0	469+11	14.6		1	2.0
470+95	473+30	235.0	473+30	23.6		2	2.0
473+30	478+00	470.0	473+30				
478+00	483+00	500.0	478+00	19.8		1	2.0
483+00	488+00	500.0	483+00	19.8		1	2.0
488+00	492+63	463.0	488+00	19.8		1	2.0
493+63	498+00	437.0	498+00	19.8		1	2.0
498+00	502+50	450.0	502+50	19.8		1	2.0
502+50	507+00	450.0	507+00	19.8		1	2.0
507+00	511+36	436.0	511+36	21.6		2	2.0
511+36	516+00	464.0	511+36				
516+00	520+49	449.0	516+00	19.8		1	2.0
522+50	525+19	269.0	522+50	18.9		1	2.0
525+19	530+00	481.0	530+00	27.3		1	2.0
530+00	534+50	450.0	534+50	19.8		1	2.0
534+50	539+00	450.0	539+00		Y		
539+00	542+50	350.0	542+50	19.8		1	2.0
542+50	546+38	388.0	546+38	19.8		1	2.0
547+82	552+00	418.0	552+00	19.8		1	2.0
552+00	556+00	400.0	556+00	19.8		1	2.0
556+00	560+00	400.0	560+00	19.8		1	2.0
560+00	564+66	466.0	564+55	22.1		1	2.0
SUBTOTALS		21122.5		805.9		45	80.0

PIPE UNDERDRAIN SCHEDULE
60107600 60108100 60100060 78001120

PIPE UNDERDRAIN 4"		PIPE UNDERDRAIN 4" (SPECIAL)				CONCRETE HEADWALL	PAINT PAVEMENT MARKING 5"
BEGINNING STATION	ENDING STATION	LENGTH	OUTLET STATION	LENGTH	CONNECT TO	EACH	FOOT
		FOOT		FOOT	STRUCTURE		
FAP 322 (US 51)							
331+00	337+00	600.0	337+00		Y		
337+00	341+00	400.0	337+00		Y		
341+00	343+38	238.0	341+00		Y		
358+60	359+84	124.0	358+60	15.9		1	2.0
361+68	362+15	47.0	362+15	15.5	Y		
362+15	367+00	485.0	362+15		Y		
367+00	372+00	500.0	372+00	18.5		1	2.0
372+00	375+00	300.0	375+00	22.0	Y		
375+00	380+65	565.0	375+00				
382+45	386+00	355.0	386+00	12.4	Y	1	2.0
386+00	390+00	400.0	390+00	22.0	Y		
390+00	393+50	350.0	390+00				
393+50	397+00	350.0	393+50	18.5		1	2.0
397+00	400+50	350.0	397+00	18.5		1	2.0
400+50	404+50	427.5	404+50	18.8	Y	1	2.0
404+50	408+54	404.0	408+54		Y		
408+54	413+95	541.0	408+54		Y		
415+93	420+00	407.0	415+93	15.0			
420+00	424+72	472.0	420+00	12.2		1	2.0
424+72	429+00	428.0	429+00	16.8		1	2.0
429+00	433+00	400.0	433+00	16.8		1	2.0
433+00	436+98	398.0	436+98	16.8		2	2.0
436+98	441+00	402.0	436+98				
441+00	445+00	400.0	441+00	16.8		1	2.0
445+00	450+00	500.0	445+00	19.4		1	2.0
451+80	456+50	470.0	456+50	12.7		1	2.0
456+50	461+00	450.0	461+00	16.8	Y	1	2.0
461+00	466+09	509.0	466+09	19.0			
467+90	469+25	135.0	469+25	10.9	Y	1	2.0
471+08	473+30	222.0	473+30	20.5	Y		
473+30	478+00	470.0	473+30				
478+00	483+00	500.0	478+00	16.8		1	2.0
483+00	488+00	500.0	483+00	16.8		1	2.0
488+00	492+63	463.0	488+00	16.8	Y	1	2.0
492+63	496+52	389.0	496+52	19.0			
498+32	502+50	418.0	502+50	12.2		1	2.0
502+50	507+00	450.0	507+00	18.1	Y	1	2.0
507+00	511+36	436.0	511+36	23.0			
511+36	516+00	464.0	511+36				
516+00	520+62	462.0	516+00	17.3	Y	1	2.0
522+61	525+19	258.0	522+61	15.0			
525+19	530+00	481.0	530+00	19.3		1	2.0
530+00	534+50	450.0	534+50	16.8	Y	1	2.0
534+50	539+00	450.0	539+00				
539+00	542+50	350.0	542+50	15.4	Y	1	2.0
542+50	546+10	360.0	546+10	19.0			
547+90	552+00	410.0	552+00	12.7		1	2.0
552+00	556+00	400.0	556+00	18.4		1	2.0
556+00	560+00	400.0	560+00	18.2		1	2.0
560+00	564+66	466.0	564+66	18.8		1	2.0
569+00	572+75	375.0	569+00	18.3		1	2.0
SUBTOTALS		20581.5		667.7		30	58.0

10/5/2012

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 11 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: DRAWN BY EBB
 DATE 4/11 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	36
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PIPE UNDERDRAIN SCHEDULE
60107600 60108100 60100060 78001120

NORTHBOUND INSIDE EDGE OF PAVEMENT							
PIPE UNDERDRAIN 4"			PIPE UNDERDRAIN 4" (SPECIAL)			CONCRETE HEADWALL EACH	PAINT PAVEMENT MARKING 5" FOOT
BEGINNING STATION	ENDING STATION	LENGTH FOOT	OUTLET STATION	LENGTH FOOT	CONNECT TO STRUCTURE		
FAP 322 (US 51)							
340+50	345+50	500.0	340+50	16.0		1	2.0
345+50	350+20	470.0	345+50	18.0		1	2.0
350+20	352+00	180.0	352+00	22.5	Y		
352+00	357+00	500.0	357+00	16.0	Y		
357+00	360+30	330.0	357+00		Y		
372+46	375+00	254.0	375+00	22.0	Y		
375+00	380+85	585.0	375+00		Y		
382+65	386+00	335.0	386+00	16.5		1	2.0
386+00	390+00	400.0	390+00	23.0	Y		
390+00	393+50	350.0	390+00		Y		
393+50	397+00	350.0	393+50	18.5		1	2.0
397+00	400+50	350.0	397+00	18.5		1	2.0
400+50	404+50	427.5	404+50	18.8		1	2.0
404+50	408+54	404.0	408+54	23.0	Y		
408+54	414+13	559.0	408+54		Y		
415+93	420+00	407.0	415+93	18.5	Y		
420+00	424+72	472.0	420+00	15.8		1	2.0
424+72	429+00	428.0	429+00	16.8		1	2.0
429+00	433+00	400.0	433+00	16.8		1	2.0
433+00	436+98	398.0	436+98		Y		
436+98	441+00	402.0	436+98		Y		
441+00	445+00	400.0	441+00	16.8		1	2.0
445+00	450+20	520.0	445+00	19.4		1	2.0
452+00	456+50	450.0	456+50	16.8		1	2.0
456+50	461+00	450.0	461+00	13.7		1	2.0
461+00	466+09	509.0	466+09		Y		
468+10	469+33	123.0	469+33	16.3		1	2.0
471+18	473+30	212.0	473+30		Y		
473+30	478+00	470.0	473+30		Y		
478+00	483+00	500.0	478+00	16.8		1	2.0
483+00	488+00	500.0	483+00	16.8		1	2.0
488+00	492+63	463.0	488+00	16.8		1	2.0
492+63	496+52	389.0	496+52	14.5	Y		
498+52	502+50	398.0	502+50	15.8		1	2.0
502+50	507+00	450.0	507+00	18.1		1	2.0
507+00	511+36	436.0	511+36		Y		
511+36	516+00	464.0	511+36		Y		
516+00	520+80	480.0	516+00	13.6		1	2.0
522+61	525+19	258.0	522+61		Y		
525+19	530+00	481.0	530+00	19.4		1	2.0
530+00	534+50	450.0	534+50	16.8		1	2.0
534+50	539+00	450.0	539+00		Y		
539+00	542+50	350.0	542+50	11.8		1	2.0
542+50	546+10	360.0	546+10		Y		
548+10	552+00	390.0	552+00	16.3		1	2.0
552+00	555+00	300.0	555+00	18.1		1	2.0
SUBTOTALS		18754.5		558.5		25	50.0

PIPE UNDERDRAIN SCHEDULE
60107600 60108100 60100060 78001120

NORTHBOUND OUTSIDE EDGE OF PAVEMENT							
PIPE UNDERDRAIN 4"			PIPE UNDERDRAIN 4" (SPECIAL)			CONCRETE HEADWALL EACH	PAINT PAVEMENT MARKING 5" FOOT
BEGINNING STATION	ENDING STATION	LENGTH FOOT	OUTLET STATION	LENGTH FOOT	CONNECT TO STRUCTURE		
FAP 322 (US 51)							
340+50	343+38	288.0	340+50	19.8		1	2.0
358+60	359+85	125.0	358+60	16.5		1	2.0
362+15	367+00	485.0	362+30	26.2		1	2.0
367+00	372+00	500.0	372+00	28.9		1	2.0
372+00	375+00	300.0	375+00	24.9		2	2.0
375+00	378+50	350.0	375+00				
378+50	382+00	350.0	378+50	21.3		1	2.0
382+00	386+00	400.0	386+00	21.3		1	2.0
386+00	390+00	400.0	390+00	22.8		2	2.0
390+00	393+50	350.0	390+00				
393+50	397+00	350.0	393+50	19.8		1	2.0
397+00	400+50	350.0	397+00	21.3		1	2.0
400+50	404+50	427.5	404+50	21.2		1	2.0
404+50	408+54	404.0	408+54	22.2		2	2.0
408+54	411+00	246.0	408+54				
411+00	414+05	305.0	411+00	14.6		1	2.0
416+07	420+00	393.0	416+07	19.8		1	2.0
420+00	424+72	472.0	420+00	19.8		1	2.0
424+72	429+00	428.0	429+00	19.8		1	2.0
429+00	433+00	400.0	433+00	19.8		1	2.0
433+00	436+98	398.0	436+98		Y		
436+98	441+00	402.0	436+98		Y		
441+00	445+00	400.0	441+00	19.8		1	2.0
445+00	449+09	409.0	445+00	22.2		1	2.0
449+09	450+25	116.0	450+25	21.7		1	2.0
451+75	456+50	475.0	456+50	19.8		1	2.0
456+50	461+00	450.0	461+00	17.4		1	2.0
461+00	466+09	509.0	466+09		Y		
468+21	469+41	120.0	469+41	23.2		1	2.0
471+28	473+30	202.0	473+30		Y		
473+30	478+00	470.0	473+30		Y		
478+00	483+00	500.0	478+00	19.8		1	2.0
483+00	488+00	500.0	483+00	19.8		1	2.0
488+00	492+63	463.0	488+00	19.8		1	2.0
492+63	498+00	537.0	498+00	19.8		1	2.0
498+00	502+50	450.0	502+50	19.8		1	2.0
502+50	507+00	450.0	507+00	19.8		1	2.0
507+00	511+36	436.0	511+36		Y		
511+36	516+00	464.0	511+36		Y		
516+00	520+72	472.0	516+00	15.9		1	2.0
522+61	525+19	258.0	522+61		Y		
525+19	530+00	481.0	530+00	25.7		1	2.0
530+00	534+50	450.0	534+50	19.8		1	2.0
534+50	539+00	450.0	539+00		Y		
539+00	542+50	350.0	542+50	19.8		1	2.0
542+50	546+10	360.0	546+10		Y		
546+10	551+00	490.0	551+00	19.8		1	2.0
551+00	555+00	400.0	555+00	19.8		1	2.0
SUBTOTALS		18785.5		723.7		38	70.0
TOTALS		79244.0		2755.8		138	258.0
USE		79244		2756		138	258

REMOVE AND REPLACE CONCRETE HEADWALLS FOR PIPE UNDERDRAINS

X6015015		
STATION	SIDE	EACH
FAP 322 (US 51)		
567+63	LT	1
567+63	RT	1
570+50	LT	1
570+50	RT	1
TOTAL		4

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
SHEET 12 OF 22
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: DATE 8/12

DRAWN BY EBB
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

66600105

STATION	SIDE	OFFSET	EACH
FAP 322 (US 51)			
328+18.45	RT	299.71	1
328+58.03	RT	172.93	1
328+63.34	RT	297.82	1
329+00.00	LT	130.00	1
330+00.00	LT	110.00	1
330+00.00	RT	110.00	1
344+96.72	LT	110.00	1
344+96.72	RT	110.00	1
354+00.00	LT	110.00	1
356+99.80	LT	120.00	1
356+99.80	RT	110.00	1
359+50.00	LT	120.00	1
360+00.00	RT	110.00	1
360+25.00	LT	170.00	1
361+44.79	RT	173.20	1
362+79.17	RT	145.00	1
363+13.01	LT	285.65	1
371+00.00	RT	275.00	1
374+75.00	RT	145.00	1
378+00.00	RT	145.00	1
381+40.00	RT	140.00	1
402+36.96	LT	140.00	1
402+36.96	RT	140.00	1
403+28.42	LT	140.00	1
403+28.42	RT	140.00	1
412+40.42	LT	140.00	1
412+40.42	RT	140.00	1
413+02.68	RT	140.00	1
414+00.00	LT	140.00	1
416+00.00	LT	140.00	1
416+00.00	RT	135.00	1
422+70.71	LT	140.00	1
422+70.71	RT	135.00	1
423+50.00	RT	135.00	1
426+00.00	RT	155.00	1
429+41.05	LT	110.00	1
429+41.05	RT	110.00	1
437+26.45	LT	110.00	1
437+26.45	RT	110.00	1
440+00.00	LT	110.00	1
440+16.30	RT	110.00	1
441+07.00	LT	114.28	1
441+07.00	RT	155.00	1
441+54.42	RT	114.93	1
441+55.63	RT	177.01	1
441+93.00	LT	155.00	1
441+93.00	LT	117.72	1
451+00.00	LT	175.00	1
455+00.00	RT	225.00	1
455+00.00	RT	162.99	1
455+56.30	RT	165.00	1
458+50.00	LT	175.00	1
460+50.00	RT	165.00	1
465+90.00	RT	155.00	1
466+20.00	LT	160.00	1
468+46.28	RT	135.00	1
471+00.00	RT	135.00	1
471+00.03	RT	140.45	1
471+14.00	LT	150.00	1
471+50.00	LT	150.00	1
475+00.00	LT	125.00	1
492+92.51	LT	125.00	1
492+92.51	RT	135.00	1
497+93.31	LT	125.00	1
497+93.31	RT	135.00	1
503+00.00	RT	135.00	1

FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS

66600105

STATION	SIDE	OFFSET	EACH
FAP 322 (US 51)			
513+00.00	RT	115.00	1
520+60.00	LT	125.00	1
520+60.00	RT	115.00	1
522+50.00	LT	125.00	1
522+50.00	RT	115.00	1
528+00.00	LT	109.12	1
542+77.79	LT	149.22	1
542+78.08	LT	108.88	1
544+00.00	LT	165.00	1
546+65.00	RT	115.00	1
546+65.00	RT	150.00	1
547+30.00	LT	165.00	1
547+50.00	LT	152.00	1
548+10.45	LT	152.00	1
548+10.78	LT	108.96	1
548+14.38	RT	115.00	1
548+15.03	RT	150.00	1
TR 268			
12+41.85	LT	25.00	1
12+41.85	RT	25.00	1
12+80.00	LT	40.00	1
16+80.00	RT	75.00	1
22+00.00	LT	55.70	1
23+86.77	RT	27.00	1
24+30.56	RT	40.87	1
24+39.03	LT	50.00	1
24+77.59	RT	40.00	1
25+56.23	RT	25.00	1
25+56.23	LT	25.00	1
TR 273			
14+50.00	LT	20.00	1
14+50.00	RT	22.00	1
16+50.00	LT	55.00	1
16+50.00	RT	55.00	1
22+91.96	RT	62.53	1
23+50.00	LT	50.00	1
23+50.00	RT	50.00	1
25+25.00	LT	20.00	1
25+25.00	RT	28.00	1
TR 255			
37+35.00	LT	24.84	1
39+70.00	LT	60.00	1
40+00.00	RT	89.95	1
41+31.99	LT	100.41	1
43+50.00	RT	130.00	1
46+50.00	RT	50.00	1
47+50.00	RT	50.00	1
TR 257			
53+40.00	RT	65.00	1
56+00.00	LT	41.31	1
57+00.00	LT	40.00	1
57+90.00	LT	26.00	1
57+90.00	RT	26.00	1
TR 243			
15+25.00	LT	25.68	1
15+25.00	RT	18.32	1
15+50.00	LT	40.00	1
15+50.00	RT	40.00	1
16+45.00	LT	40.00	1
16+45.00	RT	40.00	1
23+50.00	LT	23.25	1
23+50.00	RT	17.31	1
TOTAL			123

PERMANENT SURVEY MARKERS

66700205 66700305

STATION	DESCRIPTION	EACH	
		TYPE I	TYPE II
FAP 322 (US 51)			
344+96.72	PC		1
356+99.80	PT		1
360+06.76	SECTION		1
360+98.92	POT	1	
362+18.73	SECTION		1
362+50.01	PC		1
370+69.88	PT		1
388+54.39	SECTION	1	
402+36.96	PC		1
403+28.42	PT		1
412+40.42	PC		1
414+88.81	SECTION	1	
414+94.06	POT	1	
422+70.71	PT		1
429+41.05	PC		1
437+26.45	PT		1
441+51.61	SECTION	1	
451+00.00	POT	1	
467+09.51	POT	1	
468+14.00	SECTION	1	
492+92.51	PC		1
494+79.70	SECTION		1
497+93.31	PT	1	
514+59.51	POT	1	
521+45.70	SECTION	1	
521+61.31	POT	1	
547+10.00	POT	1	
548+11.17	SECTION	1	
563+59.51	POT		1
TR 268			
18+50.00	POT	1	
22+00.00	POT	1	
TR 273			
18+00.00	POT	1	
22+00.00	POT	1	
TR 255			
48+00.00	POT	1	
TR 257			
52+00.00	POT	1	
TR 243			
18+00.00	POT	1	
22+00.00	POT	1	
TOTALS		22	15

* - SEE RIGHT OF WAY PLANS FOR LOCATIONS OF SECTION CORNERS.

10/5/2012

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 13 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 8/12

DRAWN BY EBB
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

SIGNING SCHEDULE

72000100 72000200 72800100 73000100

STATION	LANE	SIDE	FACING	SIGN NUMBER (MUTCD)	SIZE (IN)		MESSAGE	NUMBER OF POSTS	SIGN PANEL		TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT
					W	H			TYPE 1	TYPE 2		
											SO FT	
EX US 51												
194+83		RT	SOUTH	W6-1	36	36	DIVIDED HIGHWAY SYMBOL	2	9.0		37.2	
195+35		LT	SOUTH	W14-3	48	36	NO PASSING ZONE	2	6.0		34.0	
CROSSOVER "A"												
55+55		LT	NORTH	W6-3	36	36	TWO WAY TRAFFIC SYMBOL	2	9.0		37.2	
55+55		RT	SOUTH	R4-7	36	48	KEEP RIGHT SYMBOL	2		12.0	37.2	
			NORTH	W6-3	36	36	TWO WAY TRAFFIC SYMBOL		9.0			
58+00		LT	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
59+00		LT	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
60+00		LT	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
61+00		LT	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
62+00		LT	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
63+00		LT	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
64+00		LT	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
65+00		LT	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
FAP 322 (US 51)												
341+85	SB	MEDIAN	WEST	R6-1R	36	12	ONE WAY RIGHT	1	3.0		15.7	
342+30	NB	OUTSIDE	SOUTH	R2-1	48	60	SPEED LIMIT 65 MPH	2		20.0		44.0
	NB	OUTSIDE	SOUTH	R2-1101	30	30	MINIMUM 45 MPH		6.3			
344+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
345+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
346+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
347+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
348+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
349+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
350+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
351+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
352+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
353+50	SB	MEDIAN	NORTH	W1-B	24	30	CHEVRON	1	5.0		14.5	
347+72	NB	MEDIAN	EAST	R6-1R	36	12	ONE WAY RIGHT	1	3.0		15.7	
347+73	SB	MEDIAN	WEST	R6-1R	36	12	ONE WAY RIGHT	1	3.0		15.7	
351+30	NB	OUTSIDE	SOUTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			SOUTH	W16-8	24	12	E 600N RD		2.0			
351+30	NB	MEDIAN	SOUTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			SOUTH	W16-8	24	12	E 600N RD		2.0			
353+15	NB	MEDIAN	SOUTH	R3-1100L	36	36	LEFT TURN LANE	2	9.0		38.0	
			SOUTH	M6-2L	21	15	ARROW LEFT		2.2			
352+95	NB	OUTSIDE	SOUTH	R3-1100R	36	36	RIGHT TURN LANE	2	9.0		38.0	
			SOUTH	M6-2R	21	15	ARROW RIGHT		2.2			
357+30	NB	MEDIAN	NORTH	R5-1α	36	24	WRONG WAY	1	6.0		16.7	
357+30	NB	OUTSIDE	NORTH	R5-1α	36	24	WRONG WAY	1	6.0		16.7	
359+00	SB	OUTSIDE	NORTH	W4-2L	48	48	LEFT LANE ENDS SYMBOL W/ FLAG	2		16.0	40.0	
			NORTH	W16-2αP	24	12	500 FT		2.0			
359+00	SB	MEDIAN	NORTH	W4-2L	48	48	LEFT LANE ENDS SYMBOL W/ FLAG	2		16.0	40.0	
			NORTH	W16-2αP	24	12	500 FT		2.0			
359+85	NB	MEDIAN	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
359+85	NB	OUTSIDE	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
360+40	SB	MEDIAN	WEST	R1-2	36	36	YIELD	1	3.9		17.7	
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
361+60	NB	MEDIAN	EAST	R1-2	36	36	YIELD	1	3.9		17.7	
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
362+20	SB	MEDIAN	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
362+20	SB	OUTSIDE	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
362+20	SB	OUTSIDE	EAST	I2-1100	12	18	RESTORATION AREA	1	1.5		11.0	
			EAST	I2-1104	12	6	NO MOWING OR SPRAYING		0.5			
363+17	NB	OUTSIDE	WEST	I2-1100	12	18	RESTORATION AREA	1	1.5		11.0	
			WEST	I2-1104	12	6	NO MOWING OR SPRAYING		0.5			
364+00	SB	OUTSIDE	NORTH	R2-1	48	60	SPEED LIMIT 55 MPH W/ FLAG	2		20.0	39.4	
364+00	SB	MEDIAN	NORTH	R2-1	48	60	SPEED LIMIT 55 MPH W/ FLAG	2		20.0	39.4	
365+45	SB	OUTSIDE	SOUTH	R5-1α	36	24	WRONG WAY	1	6.0		16.7	
365+45	SB	MEDIAN	SOUTH	R5-1α	36	24	WRONG WAY	1	6.0		16.7	
368+50	SB	OUTSIDE	EAST	I2-1100	12	18	RESTORATION AREA	1	1.5		11.0	
			EAST	I2-1104	12	6	NO MOWING OR SPRAYING		0.5			
369+03	SB	OUTSIDE	NORTH	R3-1100R	36	36	RIGHT TURN LANE	2	9.0		38.0	
			NORTH	M6-2R	21	15	ARROW RIGHT		2.2			
368+83	SB	MEDIAN	NORTH	R3-1100L	36	36	LEFT TURN LANE	2	9.0		38.0	
			NORTH	M6-2L	21	15	ARROW LEFT		2.2			
369+50	NB	OUTSIDE	WEST	I2-1100	12	18	RESTORATION AREA	1	1.5		11.0	
			WEST	I2-1104	12	6	NO MOWING OR SPRAYING		0.5			
370+00	SB	OUTSIDE	NORTH	W4-2L	48	48	LEFT LANE ENDS SYMBOL W/ FLAG	2		16.0	40.0	
			NORTH	W16-2αP	24	12	1600 FT		2.0			
370+00	SB	MEDIAN	NORTH	W4-2L	48	48	LEFT LANE ENDS SYMBOL W/ FLAG	2		16.0	40.0	
			NORTH	W16-2αP	24	12	1600 FT		2.0			
371+30	SB	OUTSIDE	NORTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			NORTH	W16-8	24	12	NO MOWING OR SPRAYING		0.5			
371+30	SB	MEDIAN	NORTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			NORTH	W16-8	24	12	E 600N RD		2.0			
375+00	SB	OUTSIDE	EAST	I2-1100	12	18	RESTORATION AREA	1	1.5		11.0	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 14 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11

DRAWN BY EBB
 CHECKED BY

10/5/2012

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SIGNING SCHEDULE CONTINUED

STATION	LANE	SIDE	FACING	SIGN NUMBER (MUTCD)	SIZE (IN)		MESSAGE	NUMBER OF POSTS	SIGN PANEL		TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT
					W	H			TYPE 1	TYPE 2		
									SO FT	FOOT		
FAP 322 (US 51)												
375+50	NB	OUTSIDE	WEST	I2-1100	12	18	RESTORATION AREA	1			11.0	
			WEST	I2-1104	12	6	NO MOWING OR SPRAYING			0.5		
376+00	SB	OUTSIDE	NORTH	W3-5	36	36	SPEED REDUCTION SIGN W/ FLAG	2			33.4	
376+00	SB	MEDIAN	NORTH	W3-5	36	36	SPEED REDUCTION SIGN W/ FLAG	2			33.4	
378+00	NB	OUTSIDE	NORTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
378+00	NB	MEDIAN	NORTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
380+75	NB	OUTSIDE	NORTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
380+75	NB	MEDIAN	NORTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
381+15	SB	MEDIAN	WEST	R1-2	36	36	YIELD	1		3.9		17.7
			WEST	R6-1L	36	12	ONE WAY LEFT			3.0		
382+15	NB	MEDIAN	EAST	R1-2	36	36	YIELD	1		3.9		17.7
			EAST	R6-1L	36	12	ONE WAY LEFT			3.0		
381+25	SB	OUTSIDE	EAST	I2-1100	12	18	RESTORATION AREA	1		1.5		11.0
			EAST	I2-1104	12	6	NO MOWING OR SPRAYING			0.5		
382+00	NB	OUTSIDE	WEST	I2-1100	12	18	RESTORATION AREA	1		1.5		11.0
			WEST	I2-1104	12	6	NO MOWING OR SPRAYING			0.5		
382+55	SB	OUTSIDE	SOUTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
382+55	SB	MEDIAN	SOUTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
384+00	SB	OUTSIDE	NORTH	W9-2R	48	48	LANE ENDS MERGE RIGHT W/ FLAG	2		16.0		40.0
			NORTH	W16-2aP	24	12	3000 FT			2.0		
384+00	SB	MEDIAN	NORTH	W9-2R	48	48	LANE ENDS MERGE RIGHT W/ FLAG	2		16.0		40.0
			NORTH	W16-2aP	24	12	3000 FT			2.0		
385+30	SB	OUTSIDE	SOUTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
385+30	SB	MEDIAN	SOUTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
388+00	NB	OUTSIDE	WEST	I2-1100	12	18	RESTORATION AREA	1		1.5		11.0
			WEST	I2-1104	12	6	NO MOWING OR SPRAYING			0.5		
404+94	NB	OUTSIDE	SOUTH	W2-1	36	36	SIDE ROAD SYMBOL	2		9.0		40.0
			SOUTH	W16-8	24	12	E 700N RD			2.0		
404+94	NB	MEDIAN	SOUTH	W2-1	36	36	SIDE ROAD SYMBOL	2		9.0		40.0
			SOUTH	W16-8	24	12	E 700N RD			2.0		
406+98	NB	MEDIAN	SOUTH	R3-1100R	36	36	RIGHT TURN LANE	2		9.0		38.0
			SOUTH	M6-2R	21	15	ARROW RIGHT			2.2		
407+15	NB	OUTSIDE	SOUTH	R3-1100L	36	36	LEFT TURN LANE	2		9.0		38.0
			SOUTH	M6-2L	21	15	ARROW LEFT			2.2		
411+30	NB	OUTSIDE	NORTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
411+30	NB	MEDIAN	NORTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
414+05	NB	OUTSIDE	NORTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
414+05	NB	MEDIAN	NORTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
414+44	SB	MEDIAN	WEST	R1-2	36	36	YIELD	1		3.9		17.7
			WEST	R6-1L	36	12	ONE WAY LEFT			3.0		
415+44	NB	MEDIAN	EAST	R1-2	36	36	YIELD	1		3.9		17.7
			EAST	R6-1L	36	12	ONE WAY LEFT			3.0		
415+82	SB	OUTSIDE	SOUTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
415+82	SB	MEDIAN	SOUTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
418+57	SB	OUTSIDE	SOUTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
418+57	SB	MEDIAN	SOUTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
422+72	SB	OUTSIDE	NORTH	R3-1100R	36	36	RIGHT TURN LANE	2		9.0		38.0
			NORTH	M6-2R	21	15	ARROW RIGHT			2.2		
422+90	SB	MEDIAN	NORTH	R3-1100L	36	36	LEFT TURN LANE	2		9.0		38.0
			NORTH	M6-2L	21	15	ARROW LEFT			2.2		
423+00	NB	MEDIAN	EAST	R6-1R	36	12	ONE WAY RIGHT	1		3.0		15.7
424+94	SB	OUTSIDE	NORTH	W2-1	36	36	SIDE ROAD SYMBOL	2		9.0		40.0
			NORTH	W16-8	24	12	E 700N RD			2.0		
424+94	SB	MEDIAN	NORTH	W2-1	36	36	SIDE ROAD SYMBOL	2		9.0		40.0
			NORTH	W16-8	24	12	E 700N RD			2.0		
441+50	SB	MEDIAN	WEST	R6-1R	36	12	ONE WAY RIGHT	1		3.0		15.7
447+45	NB	OUTSIDE	NORTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
447+45	NB	MEDIAN	NORTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
450+20	NB	OUTSIDE	NORTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
450+20	NB	MEDIAN	NORTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
450+50	SB	MEDIAN	WEST	R1-2	36	36	YIELD	1		3.9		17.7
			WEST	R6-1L	36	12	ONE WAY LEFT			3.0		
451+50	NB	MEDIAN	EAST	R1-2	36	36	YIELD	1		3.9		17.7
			EAST	R6-1L	36	12	ONE WAY LEFT			3.0		
451+80	SB	OUTSIDE	SOUTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
451+80	SB	MEDIAN	SOUTH	R5-1	36	36	DO NOT ENTER	2		9.0		35.4
454+55	SB	OUTSIDE	SOUTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
454+55	SB	MEDIAN	SOUTH	R5-1a	36	24	WRONG WAY	1		6.0		16.7
457+10	NB	OUTSIDE	SOUTH	W2-1	36	36	SIDE ROAD SYMBOL	2		9.0		40.0
			SOUTH	W16-8	24	12	E 800N RD			2.0		
457+10	NB	MEDIAN	SOUTH	W2-1	36	36	SIDE ROAD SYMBOL	2		9.0		40.0
			SOUTH	W16-8	24	12	E 800N RD			2.0		
457+77	SB	MEDIAN	WEST	R6-1R	36	12	ONE WAY RIGHT	1		3.0		15.7
458+95	SB	MEDIAN	NORTH	R3-1100L	36	36	LEFT TURN LANE	2		9.0		38.0
			NORTH	M6-2L	21	15	ARROW LEFT			2.2		
459+15	NB	MEDIAN	SOUTH	R3-1100L	36	36	LEFT TURN LANE	2		9.0		38.0
			SOUTH	M6-2L	21	15	ARROW LEFT			2.2		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	39
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

10/5/2012

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 15 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DRAWN BY EBB
 DATE 4/11 CHECKED BY

SIGNING SCHEDULE CONTINUED

STATION	LANE	SIDE	FACING	SIGN NUMBER (MUTCD)	SIZE (IN)		MESSAGE	NUMBER OF POSTS	SIGN PANEL		TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT
					W	H			TYPE 1	TYPE 2		
									SO FT	FOOT		
FAP 322 (US 51)												
459+30	NB	OUTSIDE	SOUTH	R3-1100R	36	36	RIGHT TURN LANE	2	9.0		38.0	
			SOUTH	M6-2R	21	15	ARROW RIGHT		2.2			
463+44	NB	OUTSIDE	NORTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
463+44	NB	MEDIAN	NORTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
466+19	NB	OUTSIDE	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
466+19	NB	MEDIAN	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
466+60	SB	MEDIAN	WEST	R1-2	36	36	YIELD	1	3.9		17.7	
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
467+60	NB	MEDIAN	EAST	R1-2	36	36	YIELD	1	3.9		17.7	
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
468+00	SB	OUTSIDE	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
468+00	SB	MEDIAN	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
470+85	SB	OUTSIDE	SOUTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
470+85	SB	MEDIAN	SOUTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
475+05	SB	MEDIAN	NORTH	R3-1100L	36	36	LEFT TURN LANE	2	9.0		38.0	
			NORTH	M6-2L	21	15	ARROW LEFT		2.2			
475+10	SB	OUTSIDE	NORTH	R3-1100R	36	36	RIGHT TURN LANE	2	9.0		38.0	
			NORTH	M6-2R	21	15	ARROW RIGHT		2.2			
477+10	SB	OUTSIDE	NORTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			NORTH	W16-8	24	12	E 800N RD		2.0			
477+10	SB	MEDIAN	NORTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			NORTH	W16-8	24	12	E 800N RD		2.0			
482+00	NB	MEDIAN	EAST	R6-1R	36	12	ONE WAY RIGHT	1	3.0		15.7	
490+00	SB	MEDIAN	WEST	R6-1R	36	12	ONE WAY RIGHT	1	3.0		15.7	
493+87	NB	OUTSIDE	NORTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
493+87	NB	MEDIAN	NORTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
496+62	NB	OUTSIDE	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
496+62	NB	MEDIAN	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
497+02	SB	MEDIAN	WEST	R1-2	36	36	YIELD	1	3.9		17.7	
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
498+02	NB	MEDIAN	EAST	R1-2	36	36	YIELD	1	3.9		17.7	
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
498+42	SB	OUTSIDE	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
498+42	SB	MEDIAN	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
501+17	SB	OUTSIDE	SOUTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
501+17	SB	MEDIAN	SOUTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
511+61	NB	OUTSIDE	SOUTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			SOUTH	W16-8	24	12	E 900N RD		2.0			
511+61	NB	MEDIAN	SOUTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			SOUTH	W16-8	24	12	E 900N RD		2.0			
513+66	NB	MEDIAN	SOUTH	R3-1100L	36	36	LEFT TURN LANE	2	9.0		38.0	
			SOUTH	M6-2L	21	15	ARROW LEFT		2.2			
513+83	NB	OUTSIDE	SOUTH	R3-1100R	36	36	RIGHT TURN LANE	2	9.0		38.0	
			SOUTH	M6-2R	21	15	ARROW RIGHT		2.2			
517+97	NB	OUTSIDE	NORTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
517+97	NB	MEDIAN	NORTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
520+72	NB	OUTSIDE	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
520+72	NB	MEDIAN	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
521+12	SB	MEDIAN	WEST	R1-2	36	36	YIELD	1	3.9		17.7	
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
522+12	NB	MEDIAN	EAST	R1-2	36	36	YIELD	1	3.9		17.7	
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
522+50	SB	OUTSIDE	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
522+50	SB	MEDIAN	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
525+25	SB	OUTSIDE	SOUTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
525+25	SB	MEDIAN	SOUTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
529+40	SB	OUTSIDE	NORTH	R3-1100R	36	36	RIGHT TURN LANE	2	9.0		38.0	
			NORTH	M6-2R	21	15	ARROW RIGHT		2.2			
529+57	SB	MEDIAN	NORTH	R3-1100L	36	36	LEFT TURN LANE	2	9.0		38.0	
			NORTH	M6-2L	21	15	ARROW LEFT		2.2			
531+61	SB	OUTSIDE	NORTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			NORTH	W16-8	24	12	E 900N RD		2.0			
531+61	SB	MEDIAN	NORTH	W2-1	36	36	SIDE ROAD SYMBOL	2	9.0		40.0	
			NORTH	W16-8	24	12	E 900N RD		2.0			
539+15	NB	MEDIAN	SOUTH	R3-1100L	36	36	LEFT TURN LANE	2	9.0		38.0	
			SOUTH	M6-2L	21	15	ARROW LEFT		2.2			
543+59	NB	OUTSIDE	NORTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
543+59	NB	MEDIAN	NORTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
546+34	NB	OUTSIDE	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
546+34	NB	MEDIAN	NORTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
546+60	SB	MEDIAN	WEST	R1-2	36	36	YIELD	1	3.9		17.7	
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
547+60	NB	MEDIAN	EAST	R1-2	36	36	YIELD	1	3.9		17.7	
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
548+00	SB	OUTSIDE	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
548+00	SB	MEDIAN	SOUTH	R5-1	36	36	DO NOT ENTER	2	9.0		35.4	
550+75	SB	OUTSIDE	SOUTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
550+75	SB	MEDIAN	SOUTH	R5-1a	36	24	WRONG WAY	1	6.0		16.7	
561+45	NB	MEDIAN	EAST	R6-1R	36	12	ONE WAY RIGHT	1	3.0		15.7	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	40
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 16 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11 DRAWN BY EBB CHECKED BY

10/5/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	41
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGNING SCHEDULE CONTINUED

STATION	LANE	SIDE	FACING	SIGN NUMBER (MUTCD)	SIZE (IN)		MESSAGE	NUMBER OF POSTS	SIGN PANEL		TELESCOPING STEEL SIGN SUPPORT	WOOD SIGN SUPPORT
					W	H			TYPE 1	TYPE 2		
									SO FT	FOOT		
TR 268												
19+22		RT	WEST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
20+84		LT	EAST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
TR 273												
19+19		RT	WEST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
20+81		LT	EAST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
TR 255												
49+19		RT	WEST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
TR 257												
50+81		LT	EAST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
TR 243												
19+19		RT	WEST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
20+81		LT	EAST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
SERVICE DRIVE 451 CONNECTOR												
9+21		RT	EAST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			WEST	R6-1L	36	12	ONE WAY LEFT		3.0			
SERVICE DRIVE 547 CONNECTOR												
49+19		RT	WEST	R1-1	36	36	STOP	2	9.0		38.6	
				R6-3	24	18	DIVIDED HIGHWAY		3.0			
				R6-1R	36	12	ONE WAY RIGHT		3.0			
			EAST	R6-1L	36	12	ONE WAY LEFT		3.0			
TOTALS									1352.3	168.0	4692.9	44.0
USE									1353	168	4693	44

10/5/2012

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 17 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DRAWN BY EBB
 DATE 4/11 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	42
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STAGE CONSTRUCTION STRIPING SCHEDULE

STAGE	STATION TO STATION	LANE	SIDE	PAINT PAVEMENT MARKINGS					PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKERS	PAVEMENT MARKERS REMOVAL
				LINE 5" YELLOW	LINE 5" WHITE	LINE 6" WHITE	LINE 24" WHITE	L & S WHITE			
				FOOT							
STAGE 1A	US 51 RELOCATION 98+00 110+95		LT		1295.0						
				CL	2590.4				215.8		
				RT		1295.0					
STAGE 1B	US 51 RELOCATION 98+00 110+95		LT		811.0		24.0		539.7		
				CL				1045.6			
				RT		1342.0			539.7		
STAGE 1C	US 51 RELOCATION 98+50 110+45		LT		1195.0						
				CL	2390.0				48.0		
				RT		1195.0					
STAGE 1	US 51 354+35 360+88 360+88 TR 304 CONNECTOR TR 268 17+63 19+21 19+21	SB	LT				12.0				
				CL	1306.0						
				RT			24.0				
				CL	22.0						
				RT			16.0				
				CL	316.6						
				RT			22.0				
STAGE 2	CROSSOVER "A" 49+80 65+39		LT		1559.4				362.5		
				CL	3118.8				725.0	126	
				RT		1559.4			362.5		
	US 51 344+00 361+30	SB	LT		1729.2						
				CL	3460.0				138		
				RT		1748.2					
	361+30 414+94	SB	LT		5728.2		46.8				
				CL	10812.6			430			
				RT		5430.0					
	414+94 427+50	SB	LT		1533.5		46.8				
				CL	2514.8			100			
				RT		1256.4					
	CROSSOVER "B" 70+00 78+43		LT		842.4				250.0		
				CL	1685.5				500.0	68	
RT					842.4			250.0			
TR 268 19+75 22+37		LT		379.3		12.0					
			CL	803.4							
			RT		321.1						
TR 273 17+83 22+17		LT		334.3		12.0					
			CL	722.6							
			RT		340.6		22.0				

STAGE CONSTRUCTION STRIPING SCHEDULE (CONTINUED)

STAGE	STATION TO STATION	LANE	SIDE	PAINT PAVEMENT MARKINGS					PAVEMENT MARKING REMOVAL	TEMPORARY PAVEMENT MARKERS	PAVEMENT MARKERS REMOVAL
				LINE 5" YELLOW	LINE 5" WHITE	LINE 6" WHITE	LINE 24" WHITE	L & S WHITE			
				FOOT							
STAGE 3	US 51 328+43 361+30	NB	LT		3277.2						
				CL	6563.7					262	
				RT		3555.6			46.8		
	361+30 414+94	NB	LT		5411.7						
				CL	10758.3				428		
				RT		5724.6			46.8		
	414+94 467+10	NB	LT		5243.5						
				CL	10429.9				418		
				RT		5448.2			46.8		
	467+10 521+61	NB	LT		5480.7						
				CL	10905.2				436		
				RT		5687.5			46.8		
	521+61 563+86	NB	LT		4252.9						
				CL	8448.6				338		
				RT		4183.2					
	563+86 567+63	NB	CL		377.0						
				RT		377.0					
				LT	1605.0			46.8			
	572+75 591+05	SB	CL		202.0	260					
				RT	111.0	778					
				LT							
	TR 268 20+76 22+37		LT		248.8		12		222.5		
				CL	146.0				34.0		
				RT		247.7		21			
TR 273 17+83 22+17		LT		304.8		22					
			CL	146.0				230.6			
			RT		114.1		12		75.0		
TR 255 / TR 257 47+81 52+18		LT		342.3		22					
			CL	725.7							
			RT		335.9		12				
TR 243 17+83 22+17		LT		334.6		22					
			CL	721.8							
			RT		334.6		12				
CROSSOVER "D" 80+00 88+92		LT		892.0							
			CL	892.0							
STAGE 4 US 51 573+90 591+05	SB	LT						865.1			
			RT					39.0	4		
PROJECT TOTALS				81572.9	82736.3	1038	279	327.6	6305.3	2744	26
USE				164310		1038	279	327.6	6305	2744	26

10/5/2012

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 18 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11

DRAWN BY EBB
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	43
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STRIPING SCHEDULE

STATION TO STATION	LANE	SIDE	DESCRIPTION	78009005	78009005	78009006	78009012	X7830072	X7830074	78003120	78003130	78003100	78004220	78004230	78004240	78004250	78004280	78004200	78001120	78001120	78100100		
				MODIFIED URETHANE PAVEMENT MARKINGS	MODIFIED URETHANE PAVEMENT MARKINGS	GROOVING FOR RECESSED PAVEMENT MARKING	PREFORMED PLASTIC PAVEMENT MARKINGS - TYPE B																
				LINE 5" YELLOW	LINE 5" WHITE	LINE 6" WHITE	LINE 12" YELLOW	6"	7"	STANDARD LINE 5" WHITE	STANDARD LINE 6" WHITE	STANDARD L & S WHITE	INLAID LINE 5" WHITE	INLAID LINE 6" WHITE	INLAID LINE 8" WHITE	INLAID LINE 12" WHITE	INLAID LINE 24" WHITE	INLAID L & S WHITE	PAINT LINE 5" YELLOW	PAINT LINE 5" WHITE	RAISED PAVEMENT MARKERS		
				FOOT			SQ FT		FOOT				SQ FT				EA						
FAP 322 (US 51)																							
327+00.0	343+00.0	NBL	LT	EDGE LINE	250.0			250.0															
			CL	SKIP-DASH											70							3	
			RT	EDGE LINE		250.0		250.0															
343+00.0	358+00.0	NBL	LT	EDGE LINE/TURN LANE	1500.0			1500.0						155.5								2	
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE		1500.0		1500.0							174.7							3	
		SBL	LT	EDGE LINE		1400.0		1400.0															
			CL	SKIP-DASH										100								5	
			RT	EDGE LINE/DIAGONAL	1400.0		278.6	1400.0															
358+00.0	373+00.0	NBL	LT	EDGE LINE/TURN LANE	1407.8			1407.8						267.5	81.8	7.3						7	
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE		1275.4		1275.4						216.3	175.2	109.8						7	
		SBL	LT	EDGE LINE/TURN LANE		1314.6		1314.6						458.2	175.2	110.5						12	
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE	1424.5			1424.5						484.5	82.2	7.3						11	
373+00.0	388+00.0	NBL	LT	EDGE LINE/TURN LANE	1430.6			1430.6						689.6									
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE		1500.0		1500.0															
		SBL	LT	EDGE LINE		1500.0		1500.0															
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE	1430.6			1430.6						629.6									
388+00.0	100+75.0	NBL	LT	EDGE LINE	1512.0			1512.0						380								19	
			CL	SKIP-DASH																			
			RT	EDGE LINE		1512.0		1512.0															
		SBL	LT	EDGE LINE		1512.0		1512.0															
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE	1512.0			1512.0						60									
100+75.0	418+00.0	NBL	LT	EDGE LINE/TURN LANE	1447.5			1447.5						412.9	143.4	38.6						10	
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE		1314.7		1314.7						388.8	129.5	65.4						8	
		SBL	LT	EDGE LINE/TURN LANE		1317.5		1317.5						249	128.5	64.6						6	
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE	1447.6			1447.6						254.8	145	38.8						8	
418+00.0	433+00.0	NBL	LT	EDGE LINE	1500.0			1500.0															
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE		1500.0		1500.0															
		SBL	LT	EDGE LINE/TURN LANE		1500.0		1500.0							140							2	
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE	1500.0			1500.0						158.3								2	
433+00.0	448+00.0	NBL	LT	EDGE LINE/TURN LANE	1500.0			1500.0						395									
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE		1500.0		1500.0															
		SBL	LT	EDGE LINE		1500.0		1500.0															
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE		1500.0		1500.0															
448+00.0	463+00.0	NBL	LT	EDGE LINE/TURN LANE	1417.2			1417.2						357									
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE		1350.0		1350.0						68									
		SBL	LT	EDGE LINE		1350.0		1350.0															
			CL	SKIP-DASH										380								19	
			RT	EDGE LINE/TURN LANE	1417.2			1417.2						446								9	

11/7/2012

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REVISIONS	
NAME	DATE
SEB	10/10/12
SEB	11/7/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 19 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DRAWN BY EBB
 DATE 4/11 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	44
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STRIPING SCHEDULE

STATION TO STATION	LANE	SIDE	DESCRIPTION	78009005	78009005	78009006	78009012	X7830072	X7830074	78003120	78003130	78003100	78004220	78004230	78004240	78004250	78004280	78004200	78001120	78001120	78100100	
				MODIFIED	URETHANE	PAVEMENT MARKINGS	GROOVING FOR RECESSED		PREFORMED PLASTIC PAVEMENT MARKINGS - TYPE B										PAINT PVMT MARKINGS	RAISED		
				LINE 5" YELLOW	LINE 5" WHITE	LINE 6" WHITE	LINE 12" YELLOW	PAVEMENT MARKING	STANDARD LINE 5" WHITE	STANDARD LINE 6" WHITE	STANDARD L & S WHITE	INLAID LINE 5" WHITE	INLAID LINE 6" WHITE	INLAID LINE 8" WHITE	INLAID LINE 12" WHITE	INLAID LINE 24" WHITE	INLAID L & S WHITE	LINE 5" YELLOW	LINE 5" WHITE	PAVEMENT MARKERS		
FOOT											SO FT	FOOT					SO FT	EACH				
FAP 322 (US 51)																						
463+00.0	478+00.0	NBL	LT	EDGE LINE/TURN LANE		1430.4			1430.4						341	139.6	37.4		75		10	
			CL	SKIP-DASH					50.0		50.0			330								19
		SBL	RT	EDGE LINE/TURN LANE		1299.1			1299.1						321	132.3	67.6		62.4		9	
			LT	EDGE LINE/TURN LANE		1294.7			1294.7	184.0	184.0	31.2		225	132.3	67.6			31.2			10
		NBL	CL	SKIP-DASH				50.0		50.0			330									19
			RT	EDGE LINE/TURN LANE		1430.6			1430.6	174.5	174.5	31.2		238.5	139.6	37.4			43.8			10
478+00.0	493+00.0	NBL	LT	EDGE LINE/TURN LANE		1500.0			1500.0						243.2							19
			CL	SKIP-DASH										380								
		SBL	RT	EDGE LINE		1500.0			1500.0													
			LT	EDGE LINE		1500.0			1500.0													
		NBL	CL	SKIP-DASH											380							19
			RT	EDGE LINE		1500.0			1500.0													
493+00.0	508+00.0	NBL	LT	EDGE LINE/TURN LANE		1430.5			1430.5						446.9							19
			CL	SKIP-DASH											380							
		SBL	RT	EDGE LINE		1500.0			1500.0													
			LT	EDGE LINE		1500.0			1500.0													
		NBL	CL	SKIP-DASH																		
			RT	EDGE LINE/TURN LANE		1430.5			1430.5						689.7							
508+00.0	523+00.0	NBL	LT	EDGE LINE/TURN LANE		1430.9			1430.9						413	143.1	38.4		75			10
			CL	SKIP-DASH											380							
		SBL	RT	EDGE LINE/TURN LANE		1276.3			1276.3						389	129.7	65.6		62.4			9
			LT	EDGE LINE/TURN LANE		1299.2			1299.2						81.1	129.7	65.6		15.6			
		NBL	CL	SKIP-DASH											380							19
			RT	EDGE LINE/TURN LANE		1430.7			1430.7						88	143.1	38.4		28.2			
523+00.0	538+00.0	NBL	LT	EDGE LINE		1500.0			1500.0													19
			CL	SKIP-DASH											380							
		SBL	RT	EDGE LINE		1500.0			1500.0													
			LT	EDGE LINE/TURN LANE		1500.0			1500.0							308				46.8		
		NBL	CL	SKIP-DASH											380							19
			RT	EDGE LINE/TURN LANE		1500.0			1500.0							325				46.8		
538+00.0	553+00.0	NBL	LT	EDGE LINE/TURN LANE		1430.6			1430.6						448				62.4			9
			CL	SKIP-DASH											380							
		SBL	RT	EDGE LINE		1500.0			1500.0													
			LT	EDGE LINE		1362.0			1362.0													
		NBL	CL	SKIP-DASH											380							19
			RT	EDGE LINE/TURN LANE		1430.8			1430.8							584.6						
553+00.0	568+00.0	NBL	LT	EDGE LINE		1463.0			1463.0													
			CL	SKIP-DASH											370							
		SBL	RT	EDGE LINE		1463.0			1463.0													
			LT	EDGE LINE		1500.0			1500.0													
		NBL	CL	SKIP-DASH											380							
			RT	EDGE LINE/TURN LANE		1500.0			1500.0							105						
568+00.0	583+00.0	SBL	LT	EDGE LINE/TURN LANE		590.0		283.0	590.0		283.0											
			CL	SKIP-DASH						430.0					150							
		SBL	RT	EDGE LINE		590.0			590.0													
			CL	SKIP-DASH																		

11/7/2012

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REVISIONS	
NAME	DATE
SEB	10/10/12
SEB	11/7/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 20 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: _____ DRAWN BY: EBB
 DATE: _____ CHECKED BY: _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	45
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

STRIPING SCHEDULE

STATION TO STATION	LANE	SIDE	DESCRIPTION	78009005	78009005	78009006	78009012	78009012	X7830072	X7830074	78003120	78003130	78003100	78004220	78004230	78004240	78004250	78004280	78004200	78001120	78001120	78100100			
				MODIFIED URETHANE PAVEMENT MARKINGS				GROOVING FOR RECESSED PAVEMENT MARKING		PREFORMED PLASTIC PAVEMENT MARKINGS - TYPE B										PAINT PVMT MARKINGS		RAISED PAVEMENT MARKERS			
				LINE 5" YELLOW	LINE 5" WHITE	LINE 6" WHITE	LINE 12" YELLOW	6"	7"	STANDARD LINE 5" WHITE	STANDARD LINE 6" WHITE	STANDARD L & S WHITE	INLAID LINE 5" WHITE	INLAID LINE 6" WHITE	INLAID LINE 8" WHITE	INLAID LINE 12" WHITE	INLAID LINE 24" WHITE	INLAID L & S WHITE	LINE 5" YELLOW	LINE 5" WHITE					
FOOT										SO FT	FOOT					SO FT			EACH						
EX US 51																									
195+32.0	200+31.9		CL	NO-PASSING	999.8			999.8																	
200+11.9	200+31.9		LT	EDGE LINE		20.0		20.0																	
200+11.9	212+18.9		RT	EDGE LINE		1207.0		1207.0																	
200+31.9	212+18.9		CL	EDGE LINE	1187.0			1187.0																	
			LT	DIAGONAL			706.2																		
CROSSOVER "A"																									
50+00.0	65+39.4		CL	EDGE LINE	1539.4			1539.4																	
			LT	EDGE LINE		1539.4		1539.4																	
57+15.1	65+39.4		RT	DIAGONAL			687.2																		
TR 268																									
18+01.2	19+40.9		LT	EDGE LINE																			173.2		
			CL	NO-PASSING/STOP BAR														21.3					240.8		
			RT	EDGE LINE																				222.1	
20+64.8	22+04.5		LT	EDGE LINE																				222.1	
			CL	NO-PASSING/STOP BAR														21.3						240.8	
			RT	EDGE LINE																				173.2	
TR 273																									
17+83.0	19+39.0		LT	EDGE LINE																				194.7	
			CL	NO-PASSING/STOP BAR														21.7						276	
			RT	EDGE LINE																					236.6
20+61.0	22+17.3		LT	EDGE LINE																				237.3	
			CL	NO-PASSING/STOP BAR														21.7						276.6	
			RT	EDGE LINE																				195	
TR 255																									
47+81.6	49+39.0		LT	EDGE LINE																				195.8	
			CL	NO-PASSING/STOP BAR														21.3						279	
			RT	EDGE LINE																				238.3	
TR 257																									
50+61.0	52+18.4		LT	EDGE LINE																				238.3	
			CL	NO-PASSING/STOP BAR														21.3						279	
			RT	EDGE LINE																				195.8	
TR 243																									
17+82.5	19+39.0		LT	EDGE LINE																				195.1	
			CL	NO-PASSING/STOP BAR														21.6						277	
			RT	EDGE LINE																				237.2	
20+61.0	22+17.5		LT	EDGE LINE																				237.2	
			CL	NO-PASSING/STOP BAR														21.6						277	
			RT	EDGE LINE																				195.1	
SERVICE DRIVE 451 CONNECTOR																									
8+91.0	9+51.0		LT	EDGE LINE																				94.3	
			CL	NO-PASSING/STOP BAR														23.0						60	
			RT	EDGE LINE																				94.3	
SERVICE DRIVE 547 CONNECTOR																									
48+92.8	49+51.0		LT	EDGE LINE																				92.5	
			CL	NO-PASSING/STOP BAR														20.1						56.6	
			RT	EDGE LINE																				92.5	
TOTALS					46890.8	47877.3	283.0	1672.0	95298.1	641.5	100.0	358.5	62.4	11230.0	11252.7	2150.2	860.3	214.9	1161.6	2262.8	3760.6			760	
USE					94769		283	1672	95299	642	100	359	63	11230	11253	2151	861	215	1162	6024				760	

11/7/2012

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REVISIONS	
NAME	DATE
SEB	10/10/12
SEB	11/7/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
SCHEDULE OF QUANTITIES
SHEET 21 OF 22
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: DRAWN BY EBB
DATE 4/11 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	46
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

LIGHTING SCHEDULE

PAY ITEM	PAY ITEM DESCRIPTION	UNIT	CROSSOVER A & TR 268 INTERSECTION	TR 273 INTERSECTION	TR 255 & TR 257 INTERSECTION	TR 243 INTERSECTION	TOTALS
80400100	ELECTRIC SERVICE INSTALLATION	EACH	1	1	1	1	4
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	180	245	250	250	925
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	50				50
81100605	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., PVC COATED GALVANIZED STEEL	FOOT			20		20
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT			170		170
81300530	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 10" X 6"	EACH			4		4
81603010	UNIT DUCT, 600V, 2-1C NO.10, 1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	2298	1598	1633	1690	7219
81603065	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.2 GROUND, (XLP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	2256				2256
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	117	117	117	117	468
81800185	AERIAL CABLE, 2-1/C NO. 1/0 WITH MESSENGER WIRE	FOOT	1580				1580
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	10	10	10	10	40
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	7				7
82500300	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 30AMP	EACH		1	1	1	3
82500310	LIGHTING CONTROLLER, POLE MOUNTED, 240VOLT, 60AMP	EACH	1				1
83003600	LIGHT POLE, ALUMINUM, 45 FT. M.H., 15 FT. DAVIT ARM	EACH	10	10	10	10	40
83057340	LIGHT POLE, WOOD, 60 FOOT, CLASS 3	EACH	8				8
83600355	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8" X 6'	EACH	10	10	10	10	40
83800650	BREAKAWAY DEVICE, COUPLING WITH STAINLESS STEEL SCREEN	EACH	40	40	40	40	160

REMOVAL OF LIGHTING UNIT, NO SALVAGE
84200600

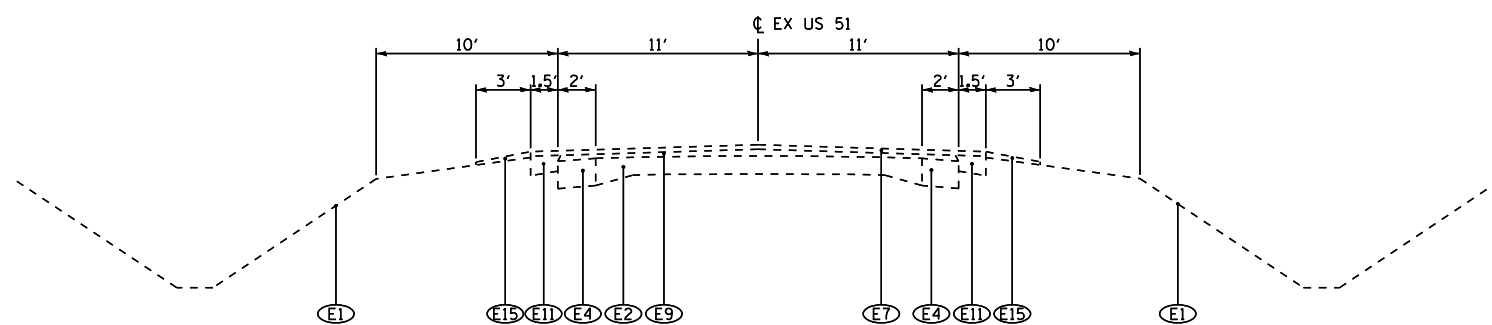
STATION	SIDE	EACH
FAP 322 (US 51)		
521+37	LT	1
551+84	LT	1
553+84	LT	1
555+84	LT	1
557+84	LT	1
559+84	LT	1
559+84	RT	1
561+84	RT	1
563+84	RT	1
565+84	RT	1
TOTAL		10

REVISIONS	
NAME	DATE
SEB	10/10/12
SEB	11/14/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
 SCHEDULE OF QUANTITIES
 SHEET 22 OF 22
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: DATE 4/11
 DRAWN BY EBB
 CHECKED BY

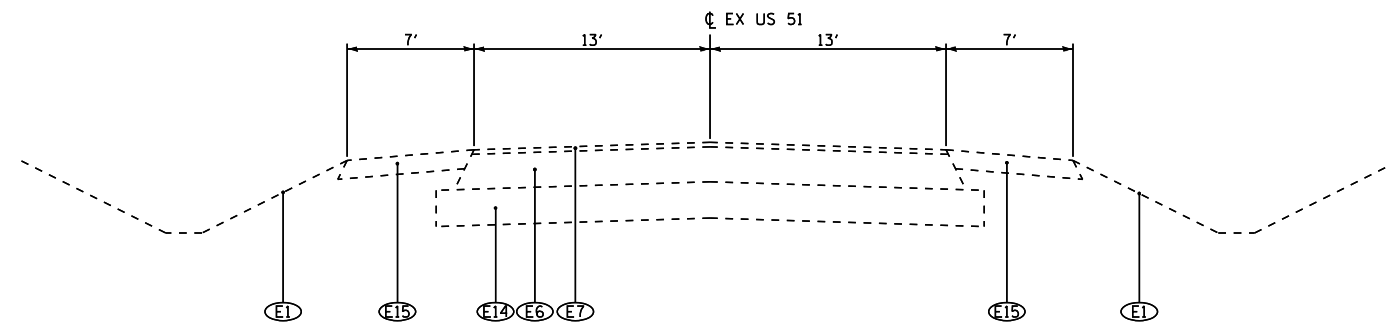
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



US 51
EXISTING TYPICAL SECTION

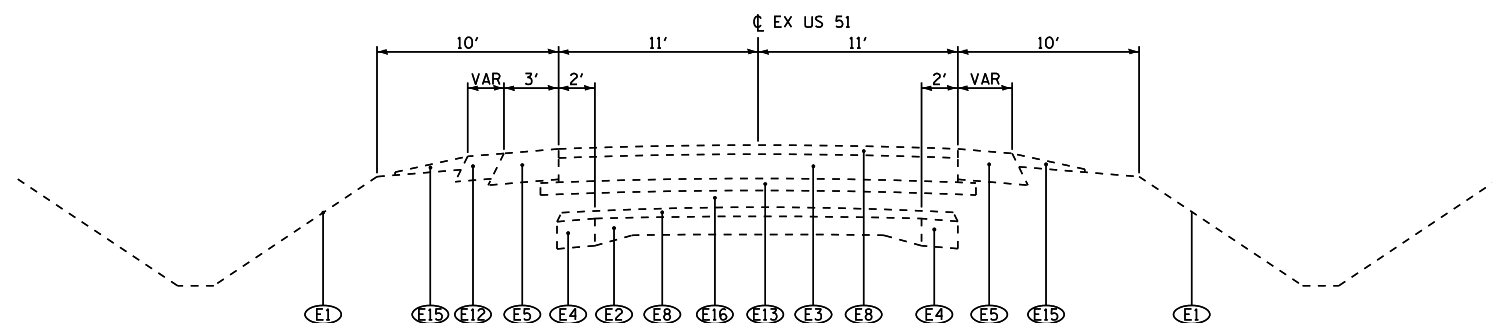
STA 145+53 TO STA 1219+67
STA 1239+56 TO STA 337+93
STA 346+82 TO STA 565+14

STA EQUATION: STA 216+67.42 BK = STA 1216+55.00 AH
STA EQUATION: STA 1240+95.38 BK = STA 241+34.25 AH



US 51
EXISTING TYPICAL SECTION

STA 1219+67 TO STA 1239+56



US 51
EXISTING TYPICAL SECTION

STA 337+93 TO STA 340+00
STA 345+00 TO STA 346+82

LEGEND

- (E1) EXISTING GROUND
- (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
- (E3) EXISTING PCC BASE COURSE, 8"
- (E4) EXISTING PCC BASE COURSE WIDENING, 9"
- (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
- (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 14 1/2"
- (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
- (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3"
- (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
- (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR
- (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
- (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (E14) EXISTING LIME MODIFIED SOIL, 12"
- (E15) EXISTING AGGREGATE SHOULDER, VAR
- (E16) EXISTING EARTH FILL
- (E17) EXISTING PIPE UNDERDRAIN
- (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
- (R1) REMOVE EXISTING HMA SHOULDERS
- (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
- (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (3a) HOT-MIX ASPHALT SHOULDERS 8"
- (3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
- (4) AGGREGATE SHOULDERS, TYPE B
- (5) SUB-BASE GRANULAR MATERIAL, TYPE C
- (6) PROCESSING MODIFIED SOIL 12" (LIME)
- (7) TOPSOIL, 4"
- (8) PIPE UNDERDRAINS, 4" (STD 601001)
- (9) AGGREGATE BASE COURSE, TYPE A, 10"
- (10) BITUMINOUS SURFACE TREATMENT CLASS A-3
- (11)
- (12)
- (13)
- (14)
- (15)
- (16)
- (17)
- (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
- (20) SUBBASE GRANULAR MATERIAL, TYPE A 12"
- (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

REVISIONS	
NAME	DATE

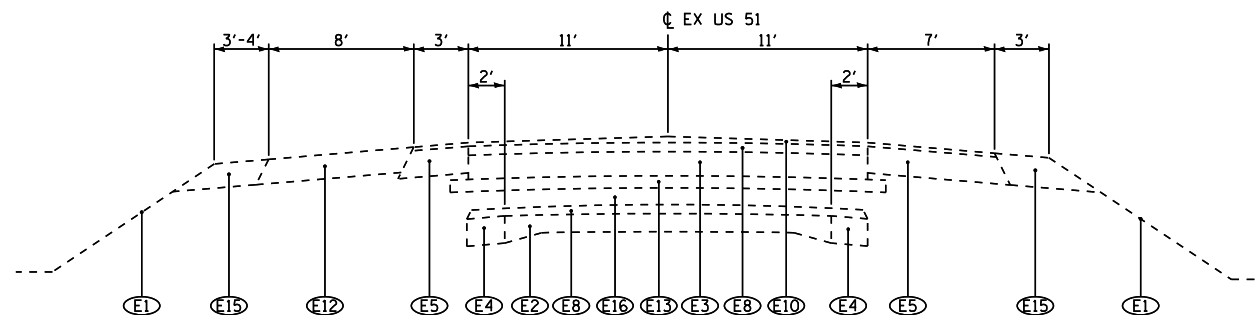
ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SHEET 1 OF 12
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: NONE
DATE: 7/31/12
DRAWN BY: SEB
CHECKED BY:

10/5/2012

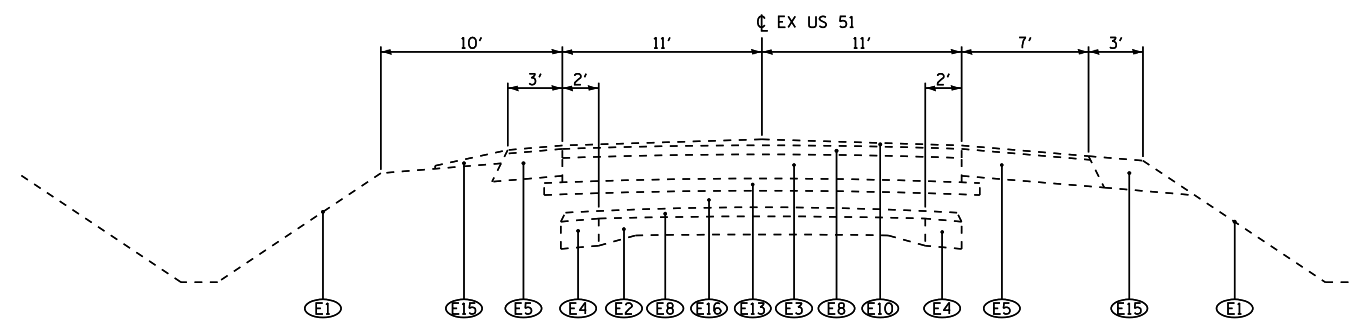
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	48
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



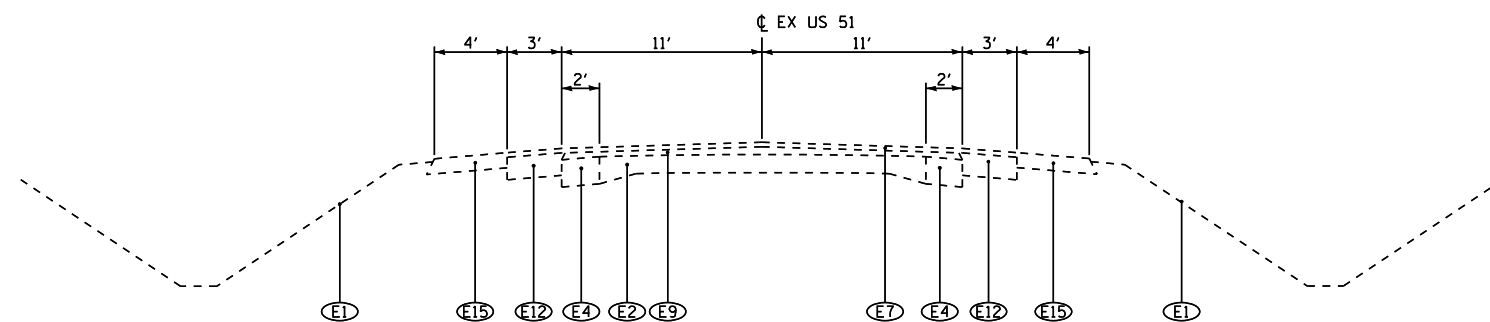
US 51
EXISTING TYPICAL SECTION

STA 340+00 TO STA 341+46.3
BRIDGE OMISSION:
STA 341+46.3 TO STA 343+28.9



US 51
EXISTING TYPICAL SECTION

STA 343+28.9 TO STA 345+00
BRIDGE OMISSION:
STA 341+46.3 TO STA 343+28.9



US 51
EXISTING TYPICAL SECTION

STA 565+14 TO STA 852+27

LEGEND

- (E1) EXISTING GROUND
- (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
- (E3) EXISTING PCC BASE COURSE, 8"
- (E4) EXISTING PCC BASE COURSE WIDENING, 9"
- (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
- (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 1 1/2"
- (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
- (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3"
- (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
- (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR
- (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
- (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (E14) EXISTING LIME MODIFIED SOIL, 12"
- (E15) EXISTING AGGREGATE SHOULDER, VAR
- (E16) EXISTING EARTH FILL
- (E17) EXISTING PIPE UNDERDRAIN
- (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
- (R1) REMOVE EXISTING HMA SHOULDERS
- (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
- (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (3a) HOT-MIX ASPHALT SHOULDERS 8"
- (3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
- (4) AGGREGATE SHOULDERS, TYPE B
- (5) SUB-BASE GRANULAR MATERIAL, TYPE C
- (6) PROCESSING MODIFIED SOIL 12" (LIME)
- (7) TOPSOIL, 4"
- (8) PIPE UNDERDRAINS, 4" (STD 601001)
- (9) AGGREGATE BASE COURSE, TYPE A, 10"
- (10) BITUMINOUS SURFACE TREATMENT CLASS A-3
- (11) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (12) HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH)
- (13) HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH)
- (14) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (15) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"
- (16) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH)
- (17) SUBBASE GRANULAR MATERIAL, TYPE A 8"
- (18) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4"
- (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)
- (19) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
- (20) SUBBASE GRANULAR MATERIAL, TYPE A 12"
- (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

NOT TO SCALE

REVISIONS	
NAME	DATE

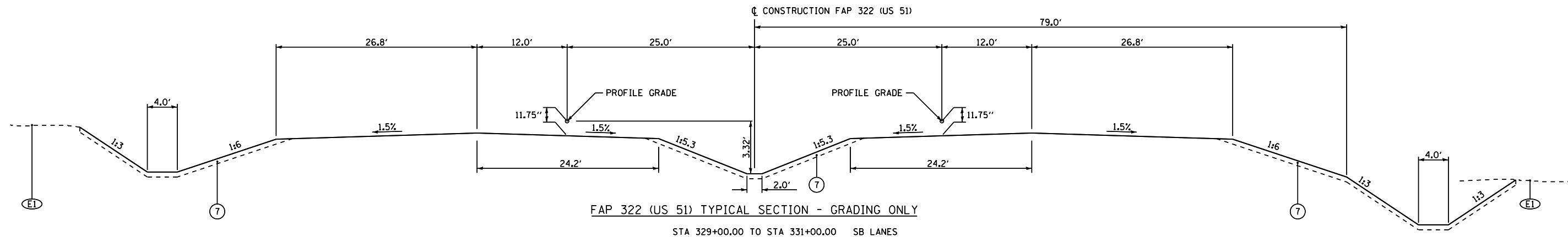
ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SHEET 2 OF 12
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: NONE
DATE: 7/31/12
DRAWN BY: SEB
CHECKED BY:

10/5/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	49
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FAP 322 (US 51) TYPICAL SECTION - GRADING ONLY
STA 329+00.00 TO STA 331+00.00 SB LANES

10/5/2012

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LEGEND

- | | | |
|--|--|---|
| (E1) EXISTING GROUND | (E17) EXISTING PIPE UNDERDRAIN | (8) PIPE UNDERDRAINS, 4" (STD 601001) |
| (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT | (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4" | (9) AGGREGATE BASE COURSE, TYPE A, 10" |
| (E3) EXISTING PCC BASE COURSE, 8" | (R1) REMOVE EXISTING HMA SHOULDERS | (10) BITUMINOUS SURFACE TREATMENT CLASS A-3 |
| (E4) EXISTING PCC BASE COURSE WIDENING, 9" | (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8" | (11) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" |
| (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10" | (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING | (12) HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH) |
| (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 14 1/2" | (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION] | (13) HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH) |
| (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2" | (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION] | (14) HOT-MIX ASPHALT SURFACE REMOVAL, 2" |
| (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3" | (30) HOT-MIX ASPHALT SHOULDERS 8" | (15) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2" |
| (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6" | (3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001) | (16) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH) |
| (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR | (4) AGGREGATE SHOULDERS, TYPE B | (17) SUBBASE GRANULAR MATERIAL, TYPE A 8" |
| (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6" | (5) SUB-BASE GRANULAR MATERIAL, TYPE C | (18) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4" |
| (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8" | (6) PROCESSING MODIFIED SOIL 12" (LIME) | (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX) |
| (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4" | (7) TOPSOIL, 4" | (20) SUBBASE GRANULAR MATERIAL, TYPE A 12" |
| (E14) EXISTING LIME MODIFIED SOIL, 12" | | |
| (E15) EXISTING AGGREGATE SHOULDER, VAR | | |
| (E16) EXISTING EARTH FILL | | |

- (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

NOT TO SCALE

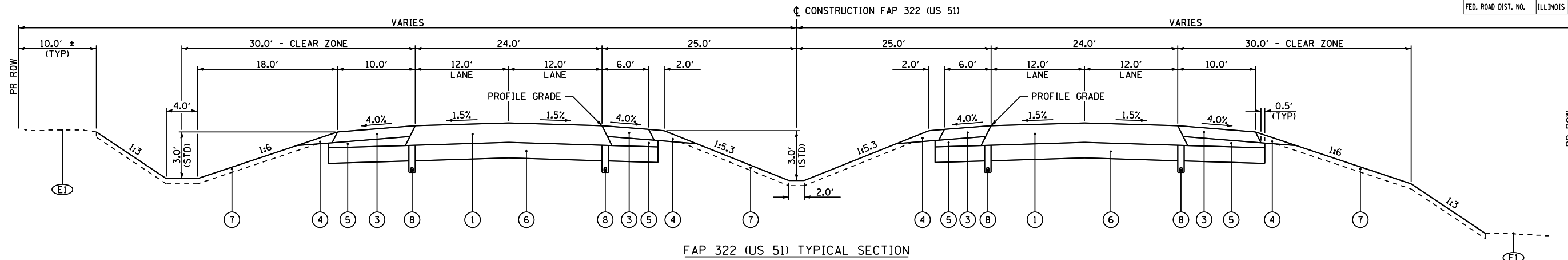
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SHEET 3 OF 12
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: NONE
 DATE: 7/31/12

DRAWN BY: SEB
 CHECKED BY:

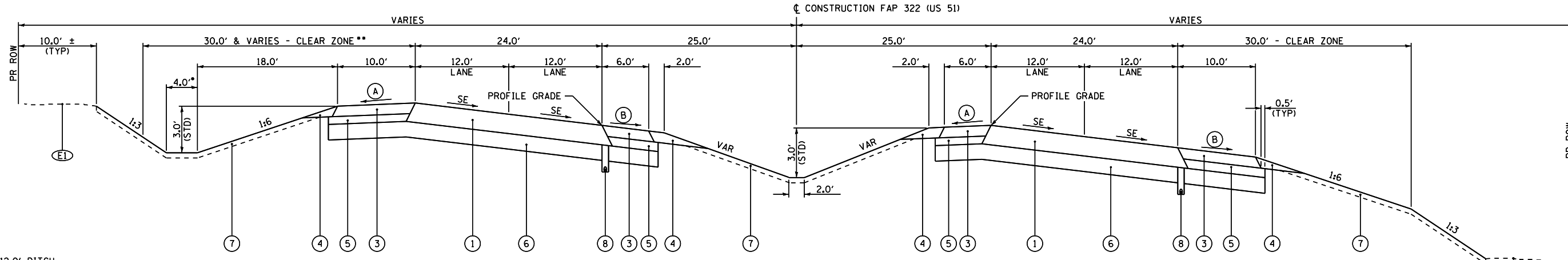
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	50
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



STA 331+00.00 TO STA 342+99.00 SB LANES
 STA 340+50.00 TO STA 342+99.00 NB LANES
 STA 358+99.00 TO STA 360+61.00 NB & SB LANES
 STA 372+85.00 TO STA 469+28.72 NB & SB LANES (SEE STATION EQUATIONS)
 STA 469+28.72 TO STA 471+11.30 NB & SB LANES (BRIDGE OMISSION)
 STA 471+11.30 TO STA 555+00.00 NB & SB LANES
 STA 555+00.00 TO STA 564+66.00 SB LANES

STATION EQUATION:
 STA 402+36.99 BK =
 STA 100+00.00 AH

STATION EQUATION:
 STA 101+20.13 BK =
 STA 403+28.42 AH



STA 342+99.00 TO STA 345+77.00 SE ATTAINED NB & SB LANES
 STA 345+77.00 TO STA 348+00.00 SE = 5.3% NB & SB LANES
 STA 348+00.00 TO STA 356+21.00 SE = 5.3% NB & SB LANES
 STA 356+21.00 TO STA 358+99.00 SE REMOVED NB & SB LANES
 STA 360+61.00 TO STA 363+66.00 SE ATTAINED NB & SB LANES
 STA 363+66.00 TO STA 369+80.00 SE = 5.9% NB & SB LANES
 STA 369+80.00 TO STA 372+85.00 SE REMOVED NB & SB LANES

- - 12.0' DITCH:
 STA 361+30 TO STA 366+53 LT
 STA 367+80 TO STA 388+56 RT

- - CLEAR ZONE WIDENING:
 STA 361+30 TO STA 368+74 39.0'
 STA 368+74 TO STA 370+69 TRANSITION 39.0' TO 30.0'

LEGEND	
(E1) EXISTING GROUND	(E17) EXISTING PIPE UNDERDRAIN
(E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT	(E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
(E3) EXISTING PCC BASE COURSE, 8"	(R1) REMOVE EXISTING HMA SHOULDERS
(E4) EXISTING PCC BASE COURSE WIDENING, 9"	(R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
(E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10"	(R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
(E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 14 1/2"	(1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
(E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"	(2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
(E8) EXISTING HOT-MIX ASPHALT SURFACING, 3"	(3a) HOT-MIX ASPHALT SHOULDERS 8"
(E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"	(3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
(E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR	(4) AGGREGATE SHOULDERS, TYPE B
(E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6"	(5) SUB-BASE GRANULAR MATERIAL, TYPE C
(E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"	(6) PROCESSING MODIFIED SOIL 12" (LIME)
(E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4"	(7) TOPSOIL, 4"
(E14) EXISTING LIME MODIFIED SOIL, 12"	(8) PIPE UNDERDRAINS, 4" (STD 601001)
(E15) EXISTING AGGREGATE SHOULDER, VAR	(9) AGGREGATE BASE COURSE, TYPE A, 10"
(E16) EXISTING EARTH FILL	(10) BITUMINOUS SURFACE TREATMENT CLASS A-3
	(11) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
	(12) HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH)
	(13) HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH)
	(14) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
	(15) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"
	(16) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH)
	(17) SUBBASE GRANULAR MATERIAL, TYPE A 8"
	(18) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4"
	(19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
	(20) SUBBASE GRANULAR MATERIAL, TYPE A 12"

- (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

NOT TO SCALE

REVISIONS	
NAME	DATE

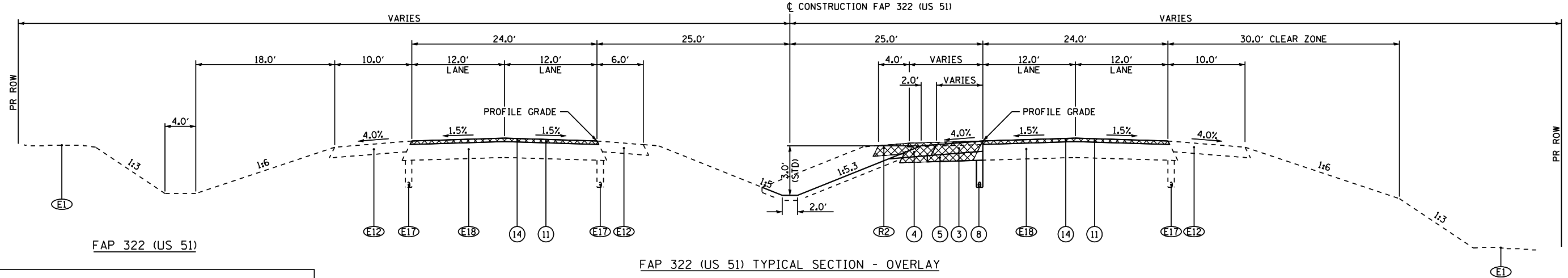
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 SHEET 4 OF 12
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE
 DATE: 7/31/12

DRAWN BY: SEB
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	51
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



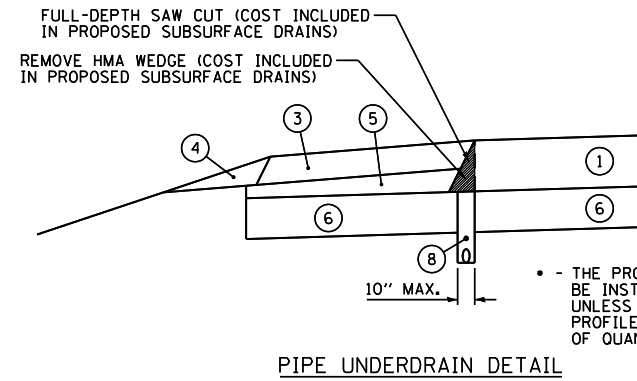
FAP 322 (US 51) TYPICAL SECTION - OVERLAY

STRUCTURAL DESIGN TRAFFIC: Year: 2015
 Pv = 5248 SU = 190 MU = 512
 ROAD/STREET CLASSIFICATION: Class: 1
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 32% S = 45% M = 45%
 TRAFFIC FACTOR: Actual TF = 4.27 AC Type = 20
 Minimum TF = 2.45
 SUBGRADE SUPPORT RATING:
 SSR = POOR

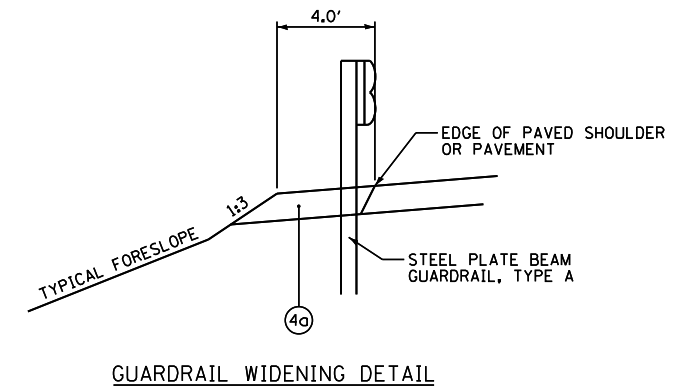
STA 555+00.00 TO STA 560+25.22 NB LANES (W/O MEDIAN SHOULDER)
 STA 560+25.22 TO STA 567+63.00 NB LANES (W/ MEDIAN SHOULDER)
 STA 564+66.00 TO STA 569+00.18 SB LANES (W/O MEDIAN SHOULDER)
 STA 569+00.18 TO STA 572+75.00 SB LANES (W/ MEDIAN SHOULDER)
 STA 572+75.00 TO STA 573+90.00 SB LANES (W/O MEDIAN SHOULDER)

SIDE ROADS

STRUCTURAL DESIGN TRAFFIC: Year: 2015
 Pv = 2280 SU = 72 MU = 48
 ROAD/STREET CLASSIFICATION: Class: 2
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 32% S = 45% M = 45%
 TRAFFIC FACTOR: Actual TF = 0.50 AC Type = 20
 Minimum TF = 0.24
 SUBGRADE SUPPORT RATING:
 SSR = POOR



• - THE PROPOSED UNDERDRAINS SHALL BE INSTALLED AT A STANDARD DEPTH, UNLESS THE PROPOSED UNDERDRAIN PROFILE IS PROVIDED IN THE SCHEDULE OF QUANTITIES.



GUARDRAIL WIDENING DETAIL

LEGEND

- | | | |
|--|--|---|
| (E1) EXISTING GROUND | (E17) EXISTING PIPE UNDERDRAIN | (8) PIPE UNDERDRAINS, 4" (STD 601001) |
| (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT | (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4" | (9) AGGREGATE BASE COURSE, TYPE A, 10" |
| (E3) EXISTING PCC BASE COURSE, 8" | (R1) REMOVE EXISTING HMA SHOULDERS | (10) BITUMINOUS SURFACE TREATMENT CLASS A-3 |
| (E4) EXISTING PCC BASE COURSE WIDENING, 9" | (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8" | (11) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2" |
| (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10" | (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING | (12) HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH) |
| (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 14 1/2" | (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION] | (13) HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH) |
| (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2" | (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION] | (14) HOT-MIX ASPHALT SURFACE REMOVAL, 2" |
| (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3" | (30) HOT-MIX ASPHALT SHOULDERS 8" | (15) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2" |
| (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6" | (3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001) | (16) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH) |
| (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR | (4) AGGREGATE SHOULDERS, TYPE B | (17) SUBBASE GRANULAR MATERIAL, TYPE A 8" |
| (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6" | (5) SUB-BASE GRANULAR MATERIAL, TYPE C | (18) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4" |
| (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8" | (6) PROCESSING MODIFIED SOIL 12" (LIME) | (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX) |
| (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4" | (7) TOPSOIL, 4" | (20) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN) |
| (E14) EXISTING LIME MODIFIED SOIL, 12" | | |
| (E15) EXISTING AGGREGATE SHOULDER, VAR | | |
| (E16) EXISTING EARTH FILL | | |

- (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

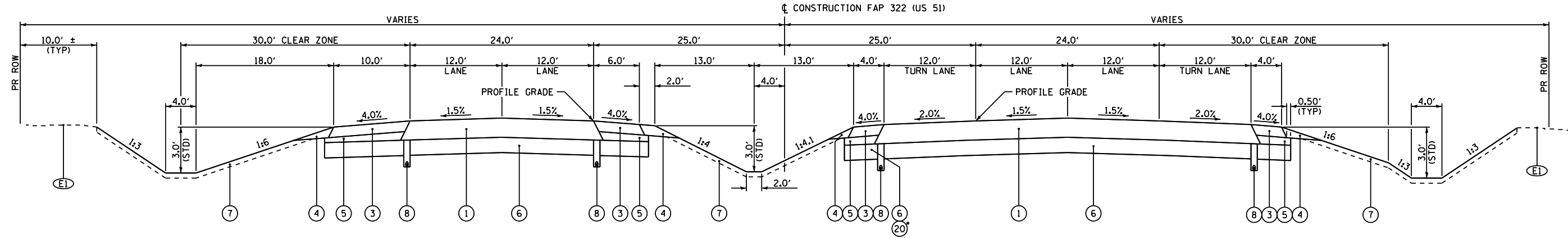
NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 SHEET 5 OF 12
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

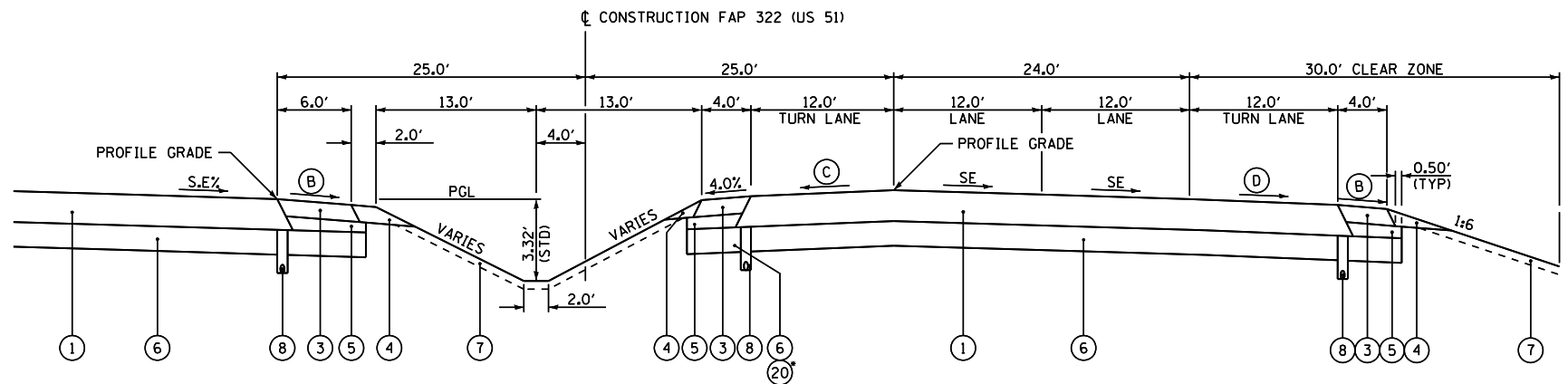
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 DATE 7/31/12 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	52
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



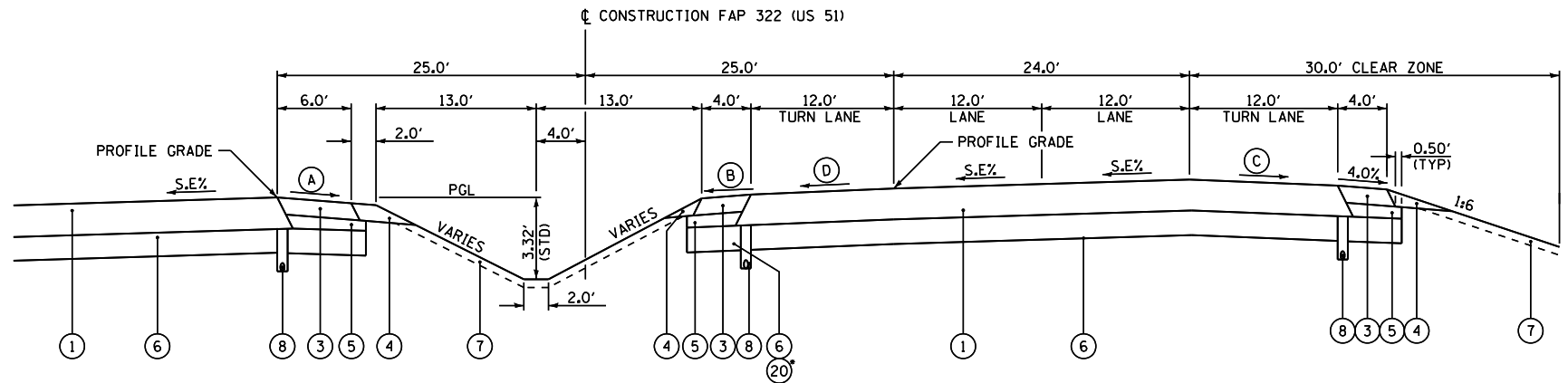
• - SUBBASE GRANULAR MATERIAL, TYPE A 12" REQUIRED FOR STAGE CONSTRUCTION AT:
STA 360+65.3 TO 368+00.0 SB RT TURN LANE
STA 414+27.2 TO 420+75.0 SB RT TURN LANE

FAP 322 (US 51) TYPICAL SECTION WITH RT AND LT TURN LANES



FAP 322 (US 51) TYPICAL SUPERELEVATED SECTION WITH RT AND LT TURN LANES

LT TURN LANE ON HIGH SIDE
RT TURN LANE ON LOW SIDE



FAP 322 (US 51) TYPICAL SUPERELEVATED SECTION WITH RT AND LT TURN LANES

LT TURN LANE ON LOW SIDE
RT TURN LANE ON HIGH SIDE

LEGEND

1	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH, 13 3/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION])	E1	EXISTING GROUND
2	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH, 9 1/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION])	E2	EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
3	HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)	E3	EXISTING PCC BASE COURSE, 8"
4	AGGREGATE SHOULDERS, TYPE B	E4	EXISTING PCC BASE COURSE WIDENING, 9"
5	SUB-BASE GRANULAR MATERIAL, TYPE C	E5	EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
6	PROCESSING MODIFIED SOIL 12" (LIME)	E6	EXISTING HOT-MIX ASPHALT BINDER COURSE, 14 1/2"
7	TOPSOIL, 4"	E7	EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
8	PIPE UNDERDRAINS, 4" (STD 601001)	E8	EXISTING HOT-MIX ASPHALT SURFACING, 3"
9	AGGREGATE BASE COURSE, TYPE A, 10"	E9	EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
10	BITUMINOUS SURFACE TREATMENT CLASS A-3	E10	EXISTING HOT-MIX ASPHALT SURFACING, VAR
11	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"	E11	EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
12	HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH)	E12	EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
13	HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH)	E13	EXISTING SUB-BASE GRANULAR MATERIAL, 4"
14	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	E14	EXISTING LIME MODIFIED SOIL, 12"
15	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"	E15	EXISTING AGGREGATE SHOULDER, VAR
16	HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH)	E16	EXISTING EARTH FILL
17	SUBBASE GRANULAR MATERIAL, TYPE A 8"	E17	EXISTING PIPE UNDERDRAIN
18	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4"	E18	EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
19	LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)	E19	REMOVE EXISTING HMA SHOULDERS
20	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)	E20	REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
	SUBBASE GRANULAR MATERIAL, TYPE A 12"	E21	REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING

A	SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
B	SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
C	TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
D	TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SHEET 6 OF 12
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

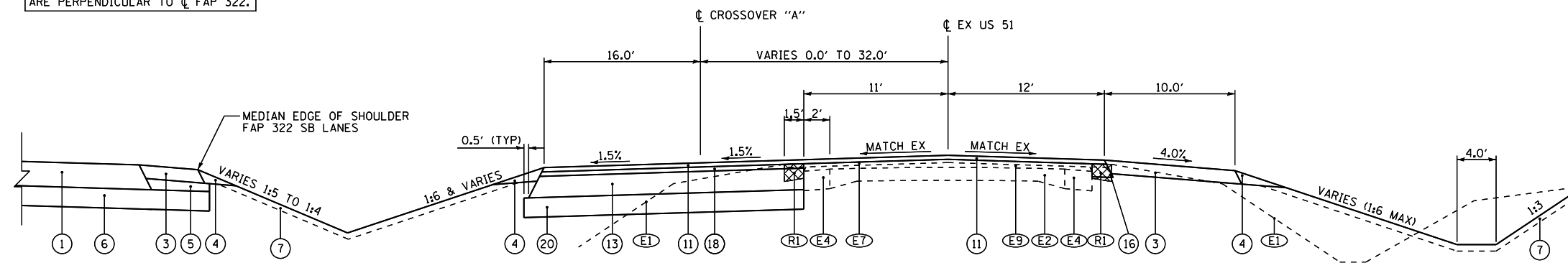
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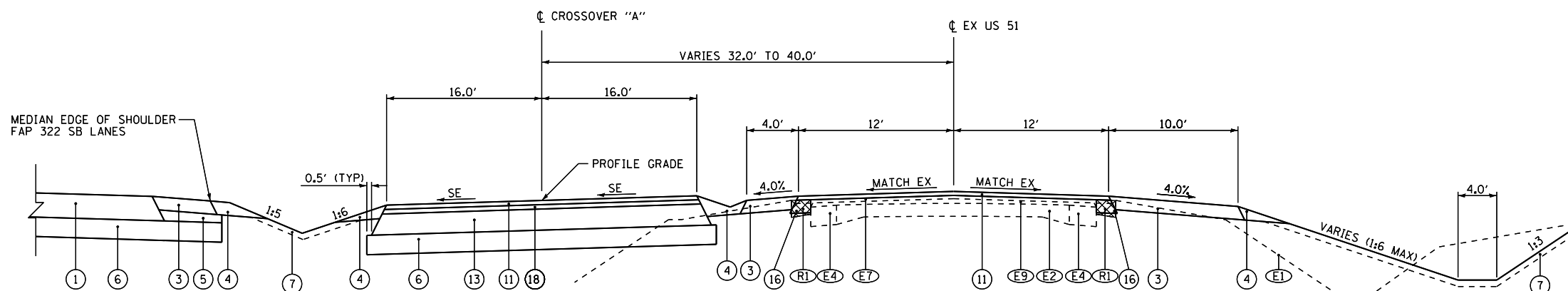
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	53
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

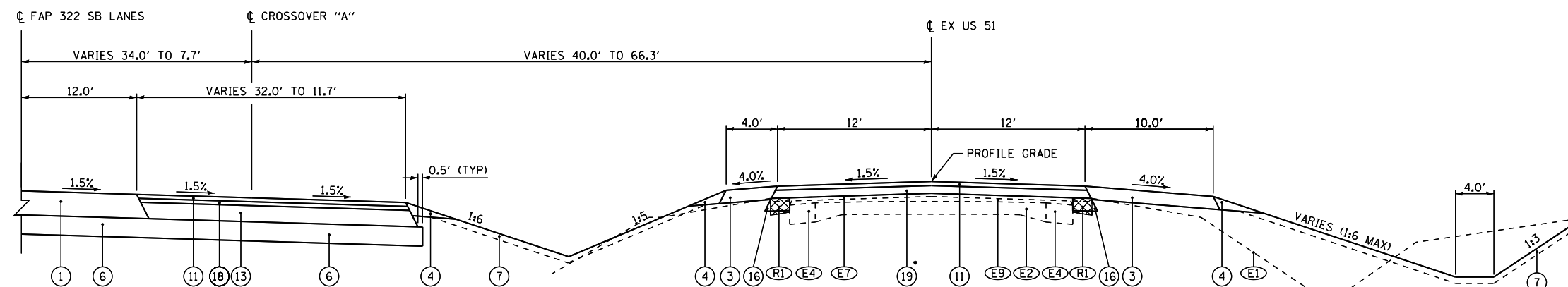
NOTE:
DISTANCES BETWEEN ALIGNMENTS
ARE PERPENDICULAR TO ϕ FAP 322.



CROSSOVER "A" / EX US 51 TYPICAL SECTION
CROSSOVER "A": STA 50+00.00 TO STA 57+15.07 EX US 51: STA 200+31.86 TO STA 207+47.40



CROSSOVER "A" / EX US 51 TYPICAL SECTION
CROSSOVER "A": STA 57+15.07 TO STA 58+02.34 SE TRANSITION EX US 51: STA 207+47.40 TO STA 208+31.39



CROSSOVER "A" / EX US 51 TYPICAL SECTION
CROSSOVER "A": STA 58+02.34 TO STA 61+86.39 EX US 51: STA 208+31.39 TO STA 212+18.91

* - PROFILE GRADE AND EX HMA SHLD REMOVAL
BEGINS AT STATION 209+00.00.

LEGEND

- (E1) EXISTING GROUND
- (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
- (E3) EXISTING PCC BASE COURSE, 8"
- (E4) EXISTING PCC BASE COURSE WIDENING, 9"
- (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
- (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 14 1/2"
- (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
- (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3"
- (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
- (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR
- (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
- (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (E14) EXISTING LIME MODIFIED SOIL, 12"
- (E15) EXISTING AGGREGATE SHOULDER, VAR
- (E16) EXISTING EARTH FILL
- (E17) EXISTING PIPE UNDERDRAIN
- (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
- (R1) REMOVE EXISTING HMA SHOULDERS
- (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
- (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (3a) HOT-MIX ASPHALT SHOULDERS 8"
- (3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
- (4) AGGREGATE SHOULDERS, TYPE B
- (5) SUB-BASE GRANULAR MATERIAL, TYPE C
- (6) PROCESSING MODIFIED SOIL 12" (LIME)
- (7) TOPSOIL, 4"
- (8) PIPE UNDERDRAINS, 4" (STD 601001)
- (9) AGGREGATE BASE COURSE, TYPE A, 10"
- (10) BITUMINOUS SURFACE TREATMENT CLASS A-3
- (11) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (12) HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH)
- (13) HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH)
- (14) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (15) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"
- (16) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH)
- (17) SUBBASE GRANULAR MATERIAL, TYPE A 8"
- (18) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4"
- (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)
- (20) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
- (20) SUBBASE GRANULAR MATERIAL, TYPE A 12"
- (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SHEET 7 OF 12
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

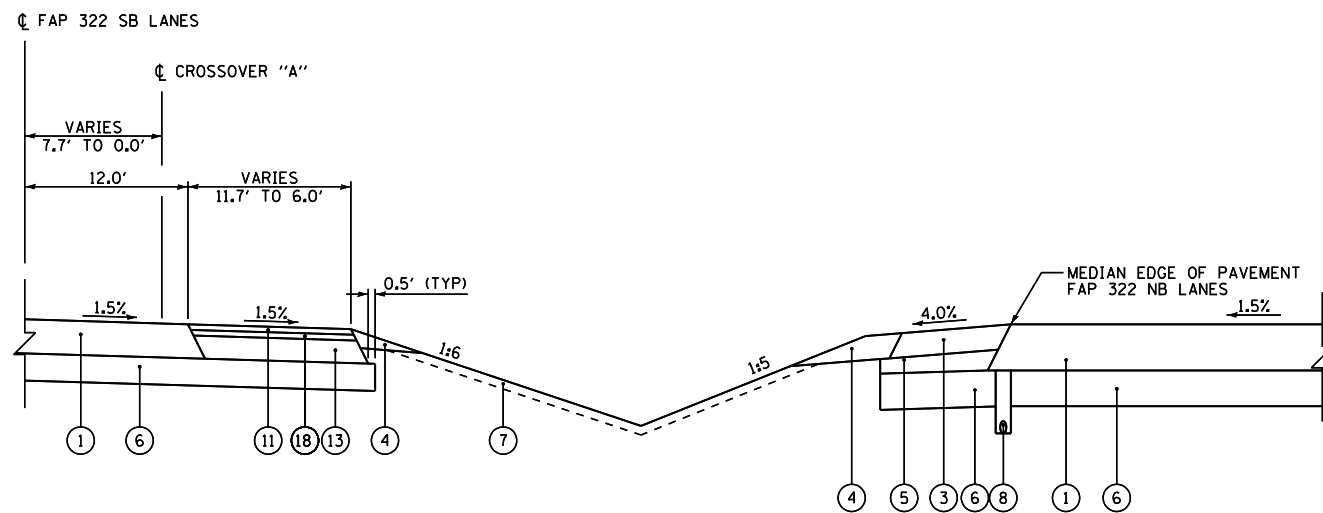
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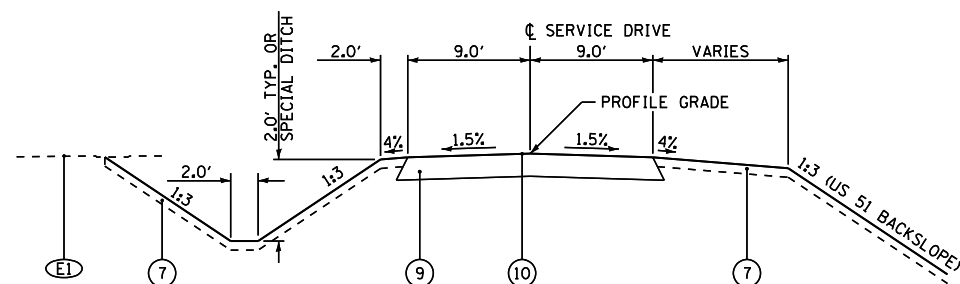
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	54
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CROSSOVER "A" TYPICAL SECTION

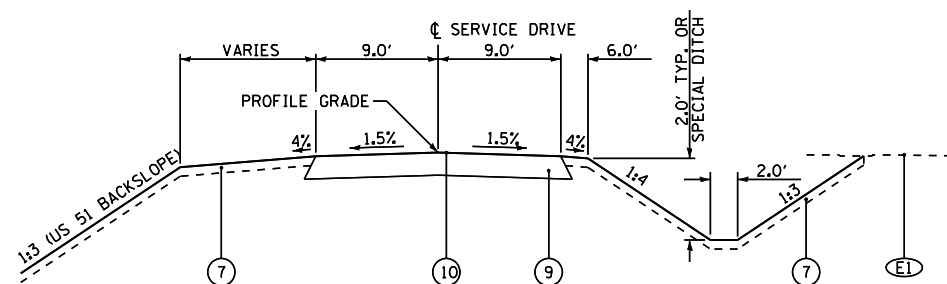
STA 61+86.39 TO STA 65+39.42



SERVICE DRIVE TYPICAL SECTION

SD 547 CONNECTOR
STA 48+72.18 TO STA 48+92.77

SERVICE DRIVE 547
STA 2+49.00 TO STA 10+98.00



SERVICE DRIVE TYPICAL SECTION

SD 451 CONNECTOR
STA 8+43.29 TO STA 8+91.00

SD 451
STA 70+45.00 TO STA 85+60.00

LEGEND

- (E1) EXISTING GROUND
- (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
- (E3) EXISTING PCC BASE COURSE, 8"
- (E4) EXISTING PCC BASE COURSE WIDENING, 9"
- (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
- (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 1 1/2"
- (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
- (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3"
- (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
- (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR
- (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
- (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (E14) EXISTING LIME MODIFIED SOIL, 12"
- (E15) EXISTING AGGREGATE SHOULDER, VAR
- (E16) EXISTING EARTH FILL
- (E17) EXISTING PIPE UNDERDRAIN
- (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
- (R1) REMOVE EXISTING HMA SHOULDERS
- (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
- (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (3) HOT-MIX ASPHALT SHOULDERS 8"
- (4) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
- (5) AGGREGATE SHOULDERS, TYPE B
- (6) SUB-BASE GRANULAR MATERIAL, TYPE C
- (7) PROCESSING MODIFIED SOIL 12" (LIME)
- (7) TOPSOIL, 4"
- (8) PIPE UNDERDRAINS, 4" (STD 601001)
- (9) AGGREGATE BASE COURSE, TYPE A, 10"
- (10) BITUMINOUS SURFACE TREATMENT CLASS A-3
- (11) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (12) HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH)
- (13) HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH)
- (14) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (15) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"
- (16) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH)
- (17) SUBBASE GRANULAR MATERIAL, TYPE A 8"
- (18) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4"
- (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)
- (19) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
- (20) SUBBASE GRANULAR MATERIAL, TYPE A 12"
- (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

NOT TO SCALE

REVISIONS	
NAME	DATE

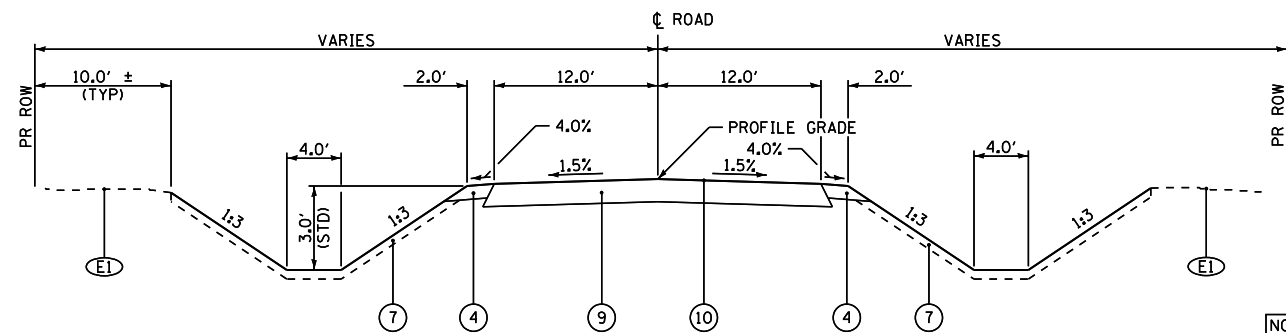
ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SHEET 8 OF 12
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: NONE
DATE: 7/31/12
DRAWN BY: SEB
CHECKED BY:

10/5/2012

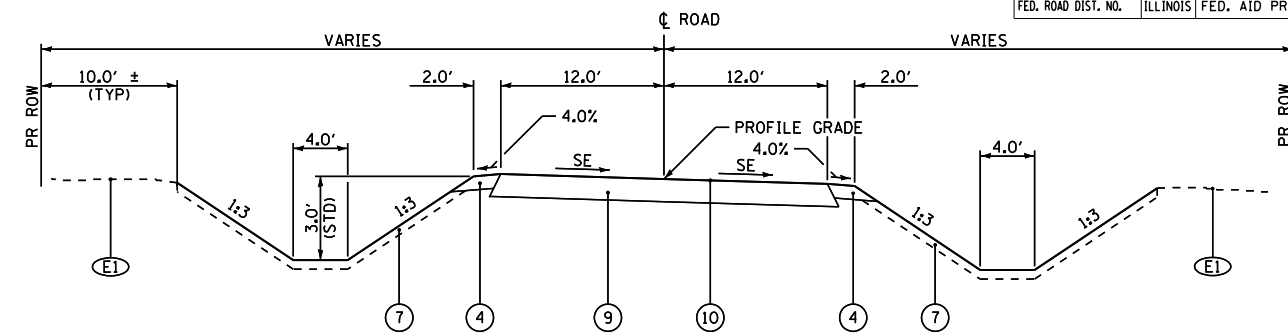
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	55
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



TOWNSHIP ROAD & COUNTY HIGHWAY TYPICAL SECTION

NOTE:
AGGREGATE SHOULDER THICKNESS IS 8" ADJACENT TO PROPOSED EDGE OF PAVEMENT.



TOWNSHIP ROAD & COUNTY HIGHWAY TYPICAL SECTION

TR 268
STA 12+80.00 TO STA 12+81.00
STA 23+98.00 TO STA 25+50.00

TR 273
STA 15+10.00 TO STA 17+82.97
STA 22+17.29 TO STA 25+00.00

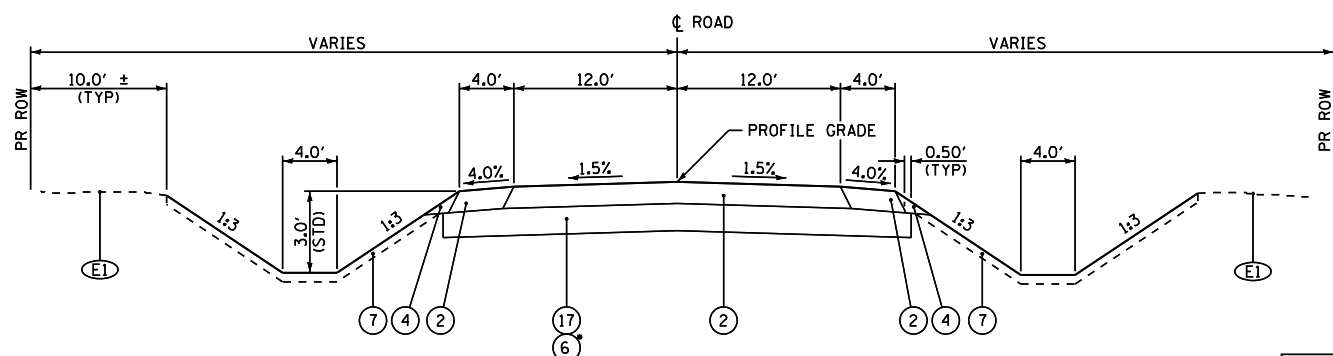
TR 255
STA 37+75.00 TO STA 38+49.00
STA 42+03.00 TO STA 43+55.00 BRIDGE OMISSION
STA 43+55.00 TO STA 43+75.00
STA 47+47.00 TO STA 47+81.58

TR 243
STA 15+50.00 TO STA 17+82.54
STA 22+17.46 TO STA 23+10.00

TR 268
STA 12+81.00 TO STA 13+81.00 SE ATTAINED
STA 13+81.00 TO STA 14+75.00 SE = 4.0%
STA 14+75.00 TO STA 16+21.00 SE TRANSITION
STA 16+21.00 TO STA 17+74.00 SE=4.0%
STA 17+74.00 TO STA 18+01.24 SE REMOVED
STA 22+04.47 TO STA 22+62.00 SE ATTAINED
STA 22+62.00 TO STA 23+23.00 SE=2.6%
STA 23+23.00 TO STA 23+98.00 SE REMOVED

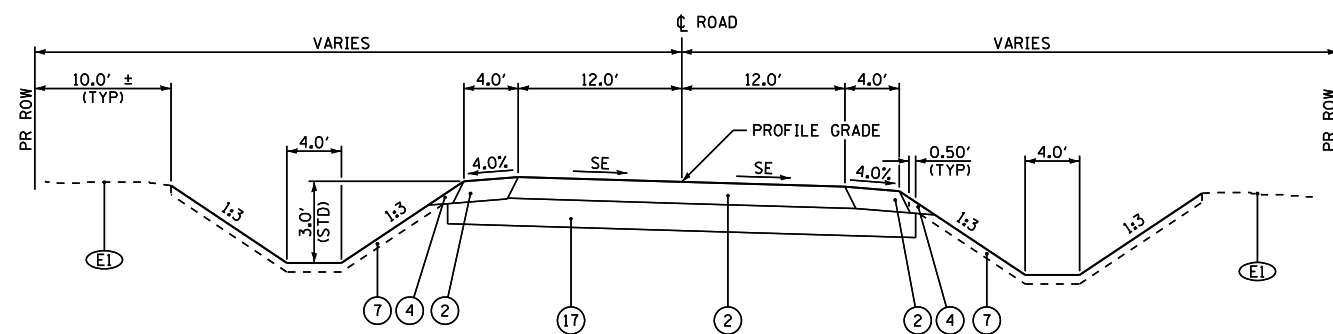
TR 255
STA 38+49.00 TO STA 39+47.00 SE ATTAINED
STA 39+47.00 TO STA 41+05.00 SE = 3.9%
STA 41+05.00 TO STA 41+85.00 SE REMOVED
STA 41+85.00 TO STA 42+03.00 SE REMOVED (BRIDGE OM.)
STA 43+75.00 TO STA 44+62.00 SE ATTAINED
STA 44+62.00 TO STA 46+60.00 SE=3.3%
STA 46+60.00 TO STA 47+47.00 SE REMOVED

TR 257
STA 52+18.42 TO STA 52+42.00 SE ATTAINED
STA 52+42.00 TO STA 53+75.00 SE = 3.7%
STA 53+75.00 TO STA 54+69.00 SE REMOVED
STA 54+69.00 TO STA 55+63.00 SE ATTAINED
STA 55+63.00 TO STA 56+97.00 SE=3.6%
STA 56+97.00 TO STA 57+90.00 SE REMOVED



TOWNSHIP ROAD & COUNTY HIGHWAY TYPICAL SECTION

NOTE:
AGGREGATE SHOULDER THICKNESS IS 9 3/4" ADJACENT TO PROPOSED EDGE OF PAVED SHOULDERS.



TOWNSHIP ROAD & COUNTY HIGHWAY TYPICAL SECTION

TR 268
STA 18+74.00 TO STA 19+40.91
STA 20+64.79 TO STA 21+87.00

TR 257
STA 50+61.00 TO STA 51+48.00

SD 451 CONNECTOR
STA 8+91.00 TO STA 9+51.00*

TR 273
STA 17+82.97 TO STA 19+38.99
STA 21+61.01 TO STA 22+17.29

TR 243
STA 17+82.54 TO STA 19+39.00
STA 20+61.00 TO STA 22+17.46

* - LIME MODIFIED SOIL UNDER US 51 SHOULDERS TO CONTINUE THROUGH CONNECTOR

TR 255
STA 47+81.58 TO STA 49+39.00

SD 547 CONNECTOR
STA 48+92.77 TO STA 49+51.00*

TR 268
STA 18+01.24 TO STA 18+74.00 SE REMOVED
STA 21+87.00 TO STA 22+04.47 SE ATTAINED

TR 257
STA 51+48.00 TO STA 52+18.42 SE ATTAINED

LEGEND

- (E1) EXISTING GROUND
- (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
- (E3) EXISTING PCC BASE COURSE, 8"
- (E4) EXISTING PCC BASE COURSE WIDENING, 9"
- (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
- (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 14 1/2"
- (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
- (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3"
- (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
- (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR
- (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
- (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (E14) EXISTING LIME MODIFIED SOIL, 12"
- (E15) EXISTING AGGREGATE SHOULDER, VAR
- (E16) EXISTING EARTH FILL
- (E17) EXISTING PIPE UNDERDRAIN
- (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
- (R1) REMOVE EXISTING HMA SHOULDERS
- (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
- (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4" [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (3a) HOT-MIX ASPHALT SHOULDERS 8"
- (3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
- (4) AGGREGATE SHOULDERS, TYPE B
- (5) SUB-BASE GRANULAR MATERIAL, TYPE C
- (6) PROCESSING MODIFIED SOIL 12" (LIME)
- (7) TOPSOIL, 4"
- (8) PIPE UNDERDRAINS, 4" (STD 601001)
- (9) AGGREGATE BASE COURSE, TYPE A, 10"
- (10) BITUMINOUS SURFACE TREATMENT CLASS A-3
- (11) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (12) HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH)
- (13) HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH)
- (14) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (15) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"
- (16) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH)
- (17) SUBBASE GRANULAR MATERIAL, TYPE A 8"
- (18) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4"
- (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)
- (20) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
- (20) SUBBASE GRANULAR MATERIAL, TYPE A 12"

- (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

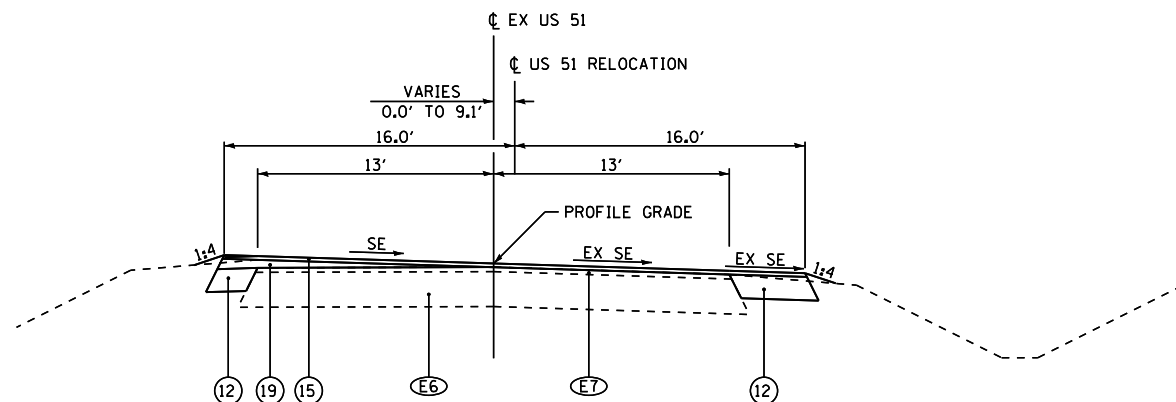
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SHEET 9 OF 12
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

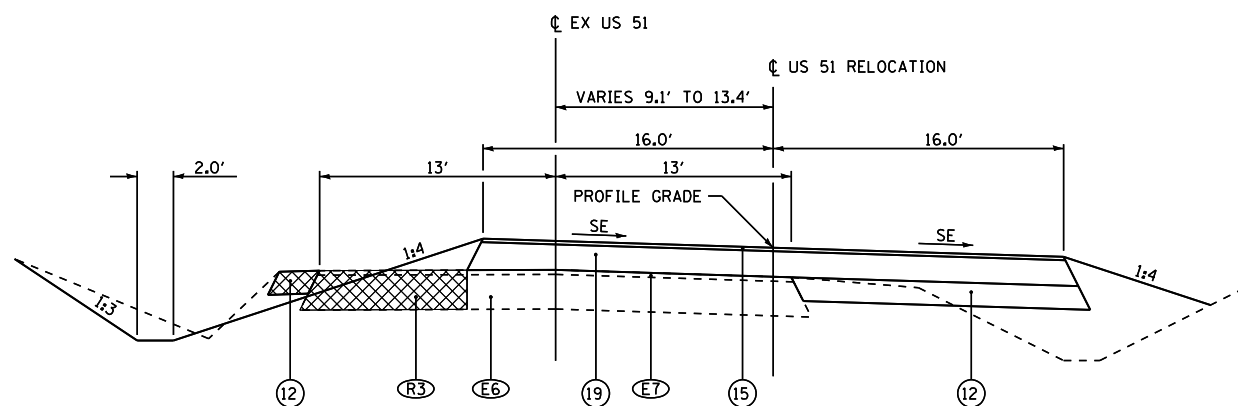
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CHECKED BY:

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	56
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



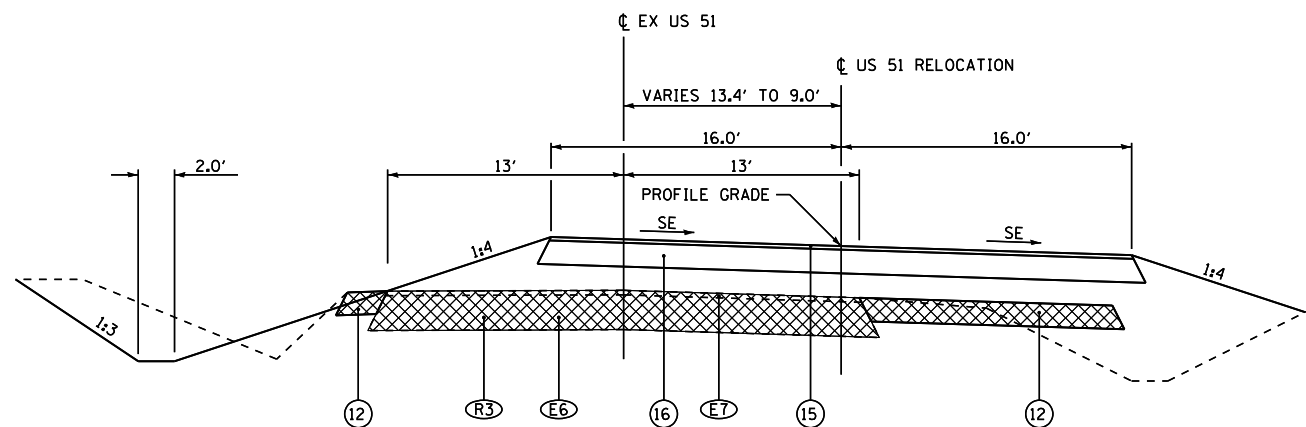
US 51 RELOCATION TYPICAL SECTION

STA 98+50.00 TO STA 100+51.00 SE TRANSITION
 STA 100+51.00 TO STA 102+40.00 SE = 4.4%
 STA 108+50.00 TO STA 110+45.00 SE TRANSITION



US 51 RELOCATION TYPICAL SECTION

STA 102+40.00 TO STA 104+56.40 SE = 4.4%
 STA 106+57.90 TO STA 108+44.00 SE = 4.4%
 STA 108+44.00 TO STA 108+50.00 SE TRANSITION



US 51 RELOCATION TYPICAL SECTION

STA 104+56.40 TO STA 106+57.90 SE = 4.4%

LEGEND

- E1 EXISTING GROUND
- E2 EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
- E3 EXISTING PCC BASE COURSE, 8"
- E4 EXISTING PCC BASE COURSE WIDENING, 9"
- E5 EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
- E6 EXISTING HOT-MIX ASPHALT BINDER COURSE, 14 1/2"
- E7 EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
- E8 EXISTING HOT-MIX ASPHALT SURFACING, 3"
- E9 EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
- E10 EXISTING HOT-MIX ASPHALT SURFACING, VAR
- E11 EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
- E12 EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- E13 EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- E14 EXISTING LIME MODIFIED SOIL, 12"
- E15 EXISTING AGGREGATE SHOULDER, VAR
- E16 EXISTING EARTH FILL
- E17 EXISTING PIPE UNDERDRAIN
- E18 EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
- R1 REMOVE EXISTING HMA SHOULDERS
- R2 REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
- R3 REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- 2 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- 3a HOT-MIX ASPHALT SHOULDERS 8"
- 3 HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
- 4 AGGREGATE SHOULDERS, TYPE B
- 5 SUB-BASE GRANULAR MATERIAL, TYPE C
- 6 PROCESSING MODIFIED SOIL 12" (LIME)
- 7 TOPSOIL, 4"
- 8 PIPE UNDERDRAINS, 4" (STD 601001)
- 9 AGGREGATE BASE COURSE, TYPE A, 10"
- 10 BITUMINOUS SURFACE TREATMENT CLASS A-3
- 11 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- 12 HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH)
- 13 HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH)
- 14 HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- 15 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"
- 16 HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH)
- 17 SUBBASE GRANULAR MATERIAL, TYPE A 8"
- 18 POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4"
- 19 LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)
- 20 HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
- 20 SUBBASE GRANULAR MATERIAL, TYPE A 12"
- A SHOULDER SLOPE - HIGH SIDE OF SE; WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- B SHOULDER SLOPE - LOW SIDE OF SE; SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- C TURN LANE SLOPE - HIGH SIDE OF SE; WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- D TURN LANE SLOPE - LOW SIDE OF SE; SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

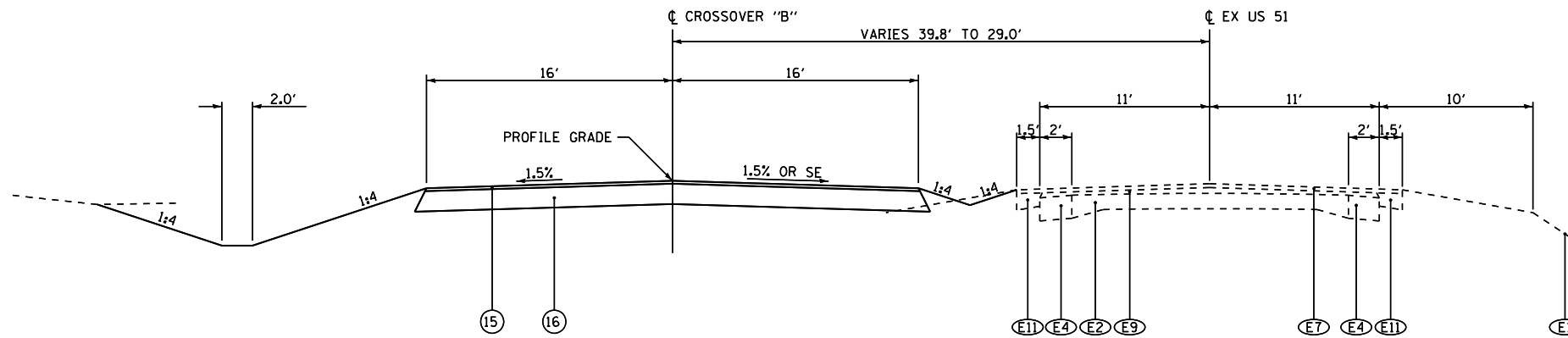
NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 SHEET 10 OF 12
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

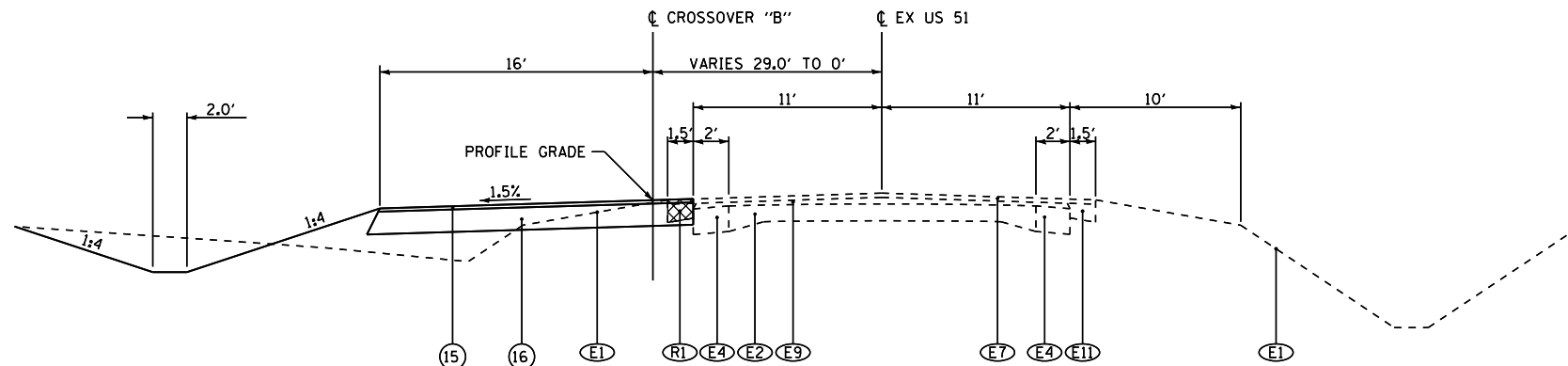
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 DATE 7/31/12 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	57
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



CROSSOVER "B" TYPICAL SECTION

STA 70+00.00 TO 71+10.00
 STA 71+10.00 TO 72+12.00 SE TRANSITION
 STA 72+12.00 TO 72+14.22 SE = -1.5%



CROSSOVER "B" TYPICAL SECTION

STA 72+14.22 TO STA 78+42.76

- LEGEND**
- (E1) EXISTING GROUND
 - (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
 - (E3) EXISTING PCC BASE COURSE, 8"
 - (E4) EXISTING PCC BASE COURSE WIDENING, 9"
 - (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
 - (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 1 1/2"
 - (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
 - (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3"
 - (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
 - (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR
 - (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
 - (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
 - (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
 - (E14) EXISTING LIME MODIFIED SOIL, 12"
 - (E15) EXISTING AGGREGATE SHOULDER, VAR
 - (E16) EXISTING EARTH FILL
 - (E17) EXISTING PIPE UNDERDRAIN
 - (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
 - (R1) REMOVE EXISTING HMA SHOULDERS
 - (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
 - (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
 - (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"
 [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
 - (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4"
 [SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
 - (3a) HOT-MIX ASPHALT SHOULDERS 8"
 - (3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
 - (4) AGGREGATE SHOULDERS, TYPE B
 - (5) SUB-BASE GRANULAR MATERIAL, TYPE C
 - (6) PROCESSING MODIFIED SOIL 12" (LIME)
 - (7) TOPSOIL, 4"
 - (8) PIPE UNDERDRAINS, 4" (STD 601001)
 - (9) AGGREGATE BASE COURSE, TYPE A, 10"
 - (10) BITUMINOUS SURFACE TREATMENT CLASS A-3
 - (11) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
 - (12) HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH)
 - (13) HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH)
 - (14) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
 - (15) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"
 - (16) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH)
 - (17) SUBBASE GRANULAR MATERIAL, TYPE A B"
 - (18) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4"
 - (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)
 - (20) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
 - (20) SUBBASE GRANULAR MATERIAL, TYPE A 12"
 - (A) SHOULDER SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
 - (B) SHOULDER SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
 - (C) TURN LANE SLOPE - HIGH SIDE OF SE: WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
 - (D) TURN LANE SLOPE - LOW SIDE OF SE: SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

NOT TO SCALE

REVISIONS	
NAME	DATE

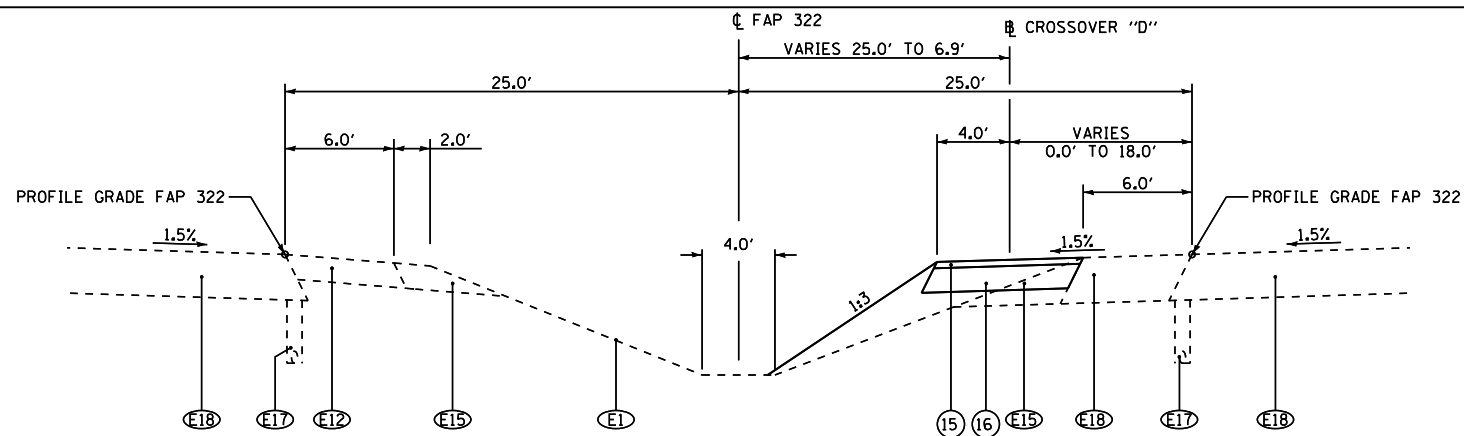
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL SECTIONS
 SHEET 11 OF 12
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: NONE DRAWN BY SEB
 DATE 7/31/12 CHECKED BY

10/5/2012

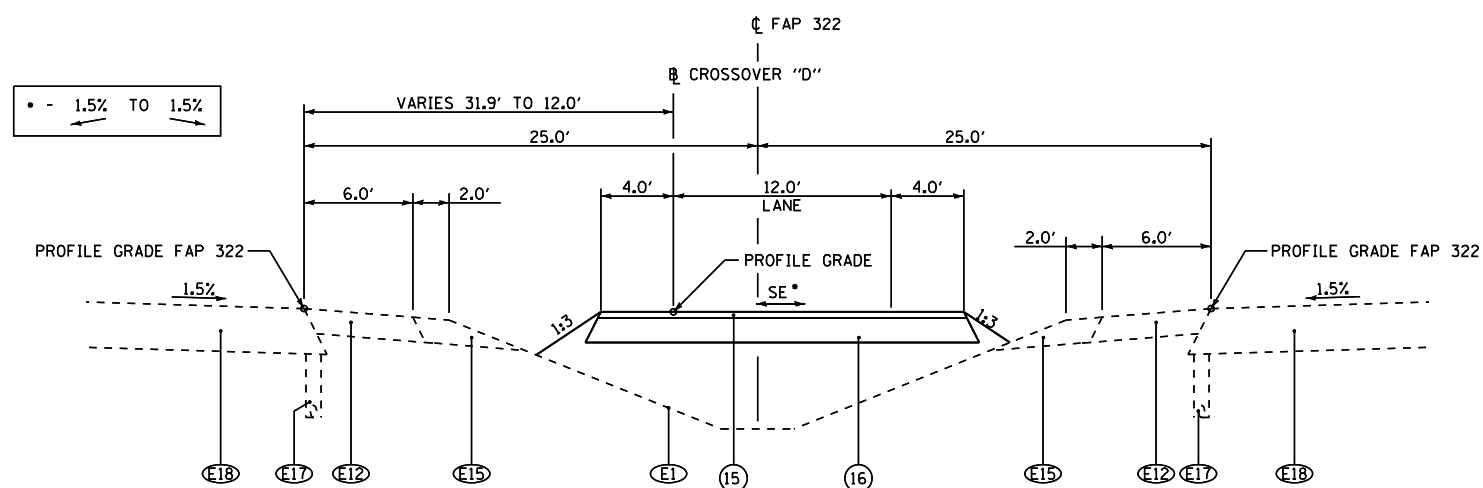
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	58
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



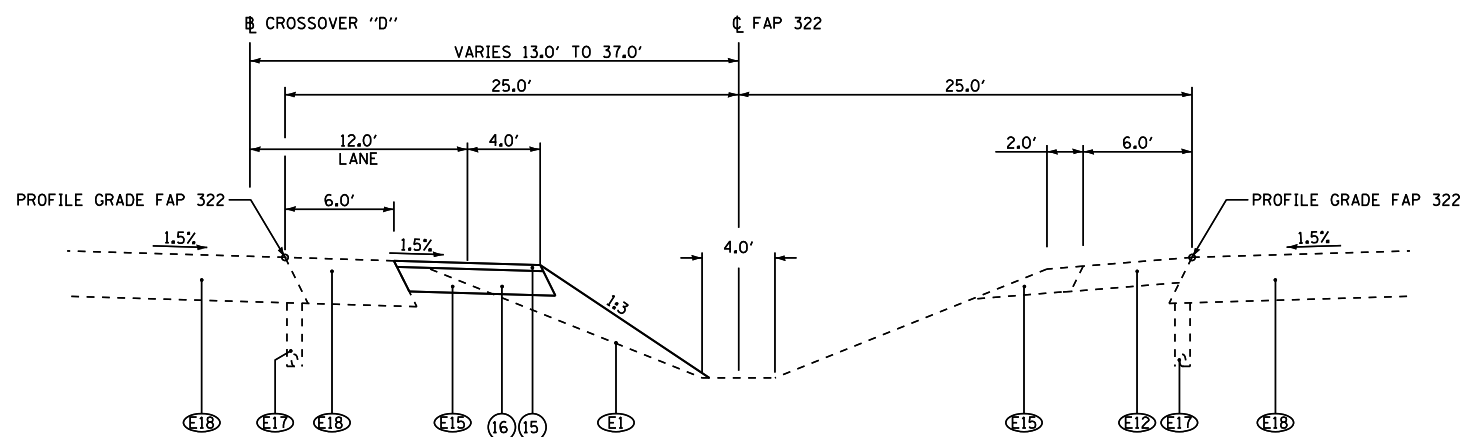
CROSSOVER "D" TYPICAL SECTION

STA 80+00.00 TO STA 83+74.51



CROSSOVER "D" TYPICAL SECTION

STA 83+74.51 TO STA 83+78
STA 83+78 TO STA 84+62 SE TRANSITION
STA 84+62 TO STA 85+16.35



CROSSOVER "D" TYPICAL SECTION

STA 85+16.35 TO STA 88+91.56

LEGEND

- (E1) EXISTING GROUND
- (E2) EXISTING 9"-6"-9" PCC CONCRETE PAVEMENT
- (E3) EXISTING PCC BASE COURSE, 8"
- (E4) EXISTING PCC BASE COURSE WIDENING, 9"
- (E5) EXISTING HOT-MIX ASPHALT BASE COURSE, 10"
- (E6) EXISTING HOT-MIX ASPHALT BINDER COURSE, 1 1/2"
- (E7) EXISTING HOT-MIX ASPHALT SURFACING, 1 1/2"
- (E8) EXISTING HOT-MIX ASPHALT SURFACING, 3"
- (E9) EXISTING HOT-MIX ASPHALT SURFACING, 3" - 6"
- (E10) EXISTING HOT-MIX ASPHALT SURFACING, VAR
- (E11) EXISTING HOT-MIX ASPHALT SHOULDERS, 6"
- (E12) EXISTING HOT-MIX ASPHALT SHOULDERS, 8"
- (E13) EXISTING SUB-BASE GRANULAR MATERIAL, 4"
- (E14) EXISTING LIME MODIFIED SOIL, 12"
- (E15) EXISTING AGGREGATE SHOULDER, VAR
- (E16) EXISTING EARTH FILL
- (E17) EXISTING PIPE UNDERDRAIN
- (E18) EXISTING FD HOT-MIX ASPHALT PAVEMENT, 13 3/4"
- (R1) REMOVE EXISTING HMA SHOULDERS
- (R2) REMOVE EXISTING HMA PAVEMENT, 13 3/4" AND HMA SHOULDERS, 8"
- (R3) REMOVE EXISTING PAVEMENT, SHOULDERS, AND WIDENING
- (1) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 13 3/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (2) HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9 1/4"
[SEE MIXTURE REQUIREMENTS AND PAVING LIFT DIAGRAMS ON SHEET 3 FOR THE PAVEMENT COMPOSITION]
- (3a) HOT-MIX ASPHALT SHOULDERS 8"
- (3) HOT-MIX ASPHALT SHOULDERS 8" (WITH RUMBLE STRIPS, STD 642001)
- (4) AGGREGATE SHOULDERS, TYPE B
- (5) SUB-BASE GRANULAR MATERIAL, TYPE C
- (6) PROCESSING MODIFIED SOIL 12" (LIME)
- (7) TOPSOIL, 4"
- (8) PIPE UNDERDRAINS, 4" (STD 601001)
- (9) AGGREGATE BASE COURSE, TYPE A, 10"
- (10) BITUMINOUS SURFACE TREATMENT CLASS A-3
- (11) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 2"
- (12) HOT-MIX ASPHALT BASE COURSE, 10" (ANY WIDTH)
- (13) HOT-MIX ASPHALT BASE COURSE, 9 1/2" (ANY WIDTH)
- (14) HOT-MIX ASPHALT SURFACE REMOVAL, 2"
- (15) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2"
- (16) HOT-MIX ASPHALT BASE COURSE, 8 1/2" (ANY WIDTH)
- (17) SUBBASE GRANULAR MATERIAL, TYPE A 8"
- (18) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70, 2 1/4"
- (19) LEVELING BINDER (MACHINE METHOD), N70, VARIABLE DEPTH (2 1/4" MAX)
- (19) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70, VARIABLE DEPTH (2 1/4" MIN)
- (20) SUBBASE GRANULAR MATERIAL, TYPE A 12"
- (A) SHOULDER SLOPE - HIGH SIDE OF SE; WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 4% THE SHOULDER SHALL BE SLOPED AT 4%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 4% THE SHOULDER SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND SHOULDER SHALL BE 8%.
- (B) SHOULDER SLOPE - LOW SIDE OF SE; SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 4%.
- (C) TURN LANE SLOPE - HIGH SIDE OF SE; WHEN THE SE RATE OF THE PAVEMENT IS BETWEEN 0 AND 2% THE TURN LANE SHALL BE SLOPED AT 2%. WHEN THE SE RATE OF THE PAVEMENT EXCEEDS 2% THE TURN LANE SHALL BE SLOPED SO THAT THE ALGEBRAIC DIFFERENCE BETWEEN THE PAVEMENT AND TURN LANE SHALL BE 4%.
- (D) TURN LANE SLOPE - LOW SIDE OF SE; SLOPE SHALL BE THE SAME AS THE SE BUT NOT LESS THAN 2%.

NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
SHEET 12 OF 12
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: NONE DRAWN BY SEB
DATE 7/31/12 CHECKED BY

FAP 322 (US 51)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	59
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

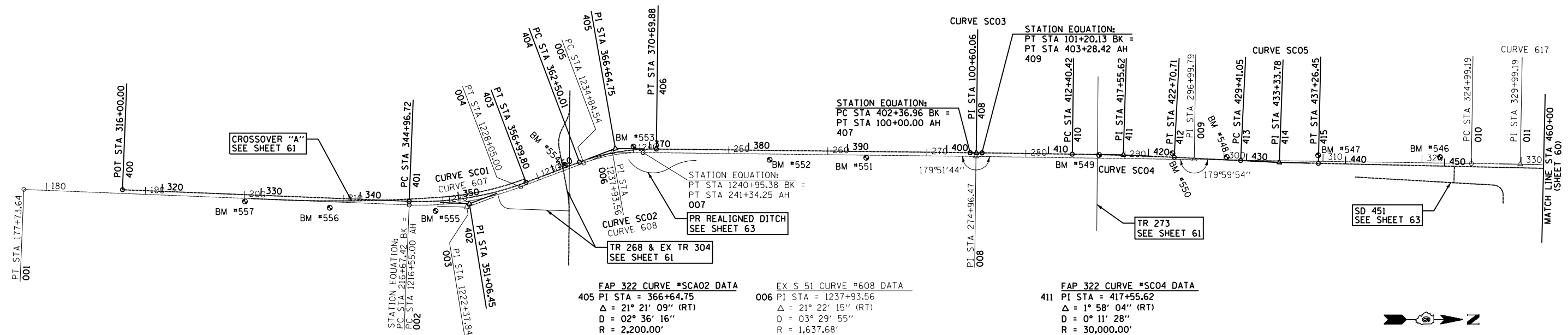
FAP 322 CURVE #SCA01 DATA
 402 PI STA = 351+06.45
 Δ = 22° 58' 38" (LT)
 D = 01° 54' 35"
 R = 3,000.00'
 T = 609.73'
 L = 1,203.08'
 E = 61.34'
 401 PC STA = 344+96.72
 403 PT STA = 356+99.80

EX US 51 CURVE #607 DATA
 003 PI STA = 1222+37.84
 Δ = 22° 59' 44" (LT)
 D = 01° 59' 59"
 R = 2,865.34'
 T = 582.84'
 L = 1,150.00'
 E = 58.68'
 002 PC STA = 1216+55.00
 004 PT STA = 1228+05.00

FAP 322 CURVE #SC03 DATA
 408 PI STA = 100+60.06
 Δ = 0° 8' 16" (RT)
 D = 0° 6' 53"
 R = 50,000.00'
 T = 60.07'
 L = 120.13'
 E = 0.04'
 407 PC STA = 100+00.00
 409 PT STA = 101+20.13

FAP 322 CURVE #SC05 DATA
 414 PI STA = 433+33.78
 Δ = 1° 30' 00" (LT)
 D = 0° 11' 28"
 R = 30,000.00'
 T = 392.72'
 L = 785.40'
 E = 2.57'
 413 PC STA = 429+41.05
 415 PT STA = 437+26.45

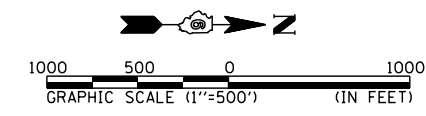
EX US 51 CURVE #617 DATA
 011 PI STA = 329+99.19
 Δ = 0° 27' 58" (RT)
 D = 0° 2' 48"
 R = 122,929.92'
 T = 500.00'
 L = 999.99'
 E = 1.02'
 010 PC STA = 324+99.19
 012 PT STA = 334+99.18



FAP 322 CURVE #SCA02 DATA
 405 PI STA = 366+64.75
 Δ = 21° 21' 09" (RT)
 D = 02° 36' 16"
 R = 2,200.00'
 T = 414.75'
 L = 819.87'
 E = 38.75'
 404 PC STA = 362+50.01
 406 PT STA = 370+69.88

EX S 51 CURVE #608 DATA
 006 PI STA = 1237+93.56
 Δ = 21° 22' 15" (RT)
 D = 03° 29' 55"
 R = 1,637.68'
 T = 309.01'
 L = 610.84'
 E = 28.90'
 005 PC STA = 1234+84.54
 007 PT STA = 1240+95.38

FAP 322 CURVE #SC04 DATA
 411 PI STA = 417+55.62
 Δ = 1° 58' 04" (RT)
 D = 0° 11' 28"
 R = 30,000.00'
 T = 515.20'
 L = 1,030.29'
 E = 4.42'
 410 PC STA = 412+40.42
 412 PT STA = 422+70.71



BENCHMARKS		
MARK	ELEVATION	DESCRIPTION
BM #557	655.00	CHSLD " □ " IN CENTER OF NORTH HW - 2.60 MILES NORTH OF JCT IL 16 / US 51 STA 328+41.00, 68.05' RT (PR US 51) STA 200+09.90, 31.05' RT (EX US 51)
BM #556	655.97	RR SPIKE IN PP TAG #33445 - 2.77 MILES NORTH OF JCT IL 16 / US 51 STA 336+98.50, 97.70' RT (PR US 51) STA 208+67.40, 60.70' RT (EX US 51)
BM #555	656.26	RR SPIKE IN PP TAG #33440 - 2.97 MILES NORTH OF JCT IL 16 / US 51 STA 347+59.10, 97.90' RT (PR US 51) STA 1219+18.90, 61.05' RT (EX US 51)
BM #554	653.52	CHSLD " □ " IN WEST END OF SOUTH WW, SN 011-2008 - 3.23 MILES NORTH OF JCT IL 16 / US 51 STA 361+34.55, 19.58' LT (PR US 51) STA 1233+04.20, 43.50' LT (EX US 51)
BM #553	653.00	RR SPIKE IN PP TAG #33394 - 3.36 MILES NORTH OF JCT IL 16 / US 51 STA 368+40.88, 34.67' LT (PR US 51) STA 1240+01.80, 62.40' LT (EX US 51)
BM #552	654.69	CHSLD " □ " ON NORTH SIDE OF CONC DITCH CHECK - 3.62 MILES NORTH OF JCT IL 16 / US 51 STA 382+14.34, 94.45' RT (PR US 51) STA 254+13.80, 57.45' RT (EX US 51)
BM #551	655.37	CHSLD " □ " IN CENTER OF WEST HW - 3.81 MILES NORTH OF JCT IL 16 / US 51 STA 391+88.74, 62.80' RT (PR US 51) STA 263+88.20, 25.80' LT (EX US 51)
BM #549	657.59	CHSLD " □ " ON EAST END OF NORTH HW - 4.25 MILES NORTH OF JCT IL 16 / US 51 STA 415+11.77, 3.47' RT (PR US 51) STA 287+39.80, 32.30' LT (EX US 51)
BM #550	659.24	60d NAIL IN PP - 4.40 MILES NORTH OF JCT IL 16 / US 51 STA 422+50.27, 40.37' LT (PR US 51) STA 294+79.50, 60.35' LT (EX US 51)
BM #548	670.47	CHSLD " □ " IN SOUTH END OF WEST HW -4.50 MILES NORTH OF JCT IL 16 / US 51 STA 427+99.94, 29.52' LT (PR US 51) STA 300+28.50, 30.65' LT (EX US 51)
BM #547	661.44	60d NAIL IN PP TAG #50283 - 4.67 MILES NORTH OF JCT IL 16 / US 51 STA 437+23.37, 80.54' LT (PR US 51) STA 309+51.30, 60.20' LT (EX US 51)
BM #546	666.93	60d NAIL IN PP - 4.91 MILES NORTH OF JCT IL 16 / US 51 STA 449+52.34, 90.40' LT (PR US 51) STA 321+80.30, 60.05' LT (EX US 51)

	CONTROL POINTS		
	POINT	NORTHING	EASTING
EX US 51	001	1,004,658.25	2,613,783.53
	002	1,008,549.82	2,613,914.74
	003	1,009,132.33	2,613,934.39
	004	1,009,676.23	2,613,724.90
	005	1,010,310.36	2,613,480.66
	006	1,010,598.73	2,613,369.60
	007	1,010,907.73	2,613,371.25
	008	1,014,269.90	2,613,389.23
	009	1,016,473.16	2,613,406.30
	010	1,019,272.47	2,613,428.08
	011	1,019,772.45	2,613,431.97

	CONTROL POINTS		
	POINT	NORTHING	EASTING
MAINLINE FAP 322 (US 51)	400	1,005,654.20	2,613,780.09
	401	1,008,549.27	2,613,877.71
	402	1,009,158.66	2,613,898.25
	403	1,009,727.72	2,613,679.29
	404	1,010,241.22	2,613,481.70
	405	1,010,628.30	2,613,332.75
	406	1,011,043.05	2,613,334.97
	407	1,014,210.08	2,613,351.91
	408	1,014,270.14	2,613,352.23
	409	1,014,330.21	2,613,352.69
	410	1,015,242.18	2,613,359.76
	411	1,015,757.36	2,613,363.76
	412	1,016,272.10	2,613,385.44
	413	1,016,941.85	2,613,413.64
	414	1,017,334.22	2,613,430.17
415	1,017,726.89	2,613,436.42	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ALIGNMENT & BENCHMARK DATA
 SHEET 1 OF 5
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: 1"=500'
 DATE: _____ DRAWN BY: SEB
 CHECKED BY: _____

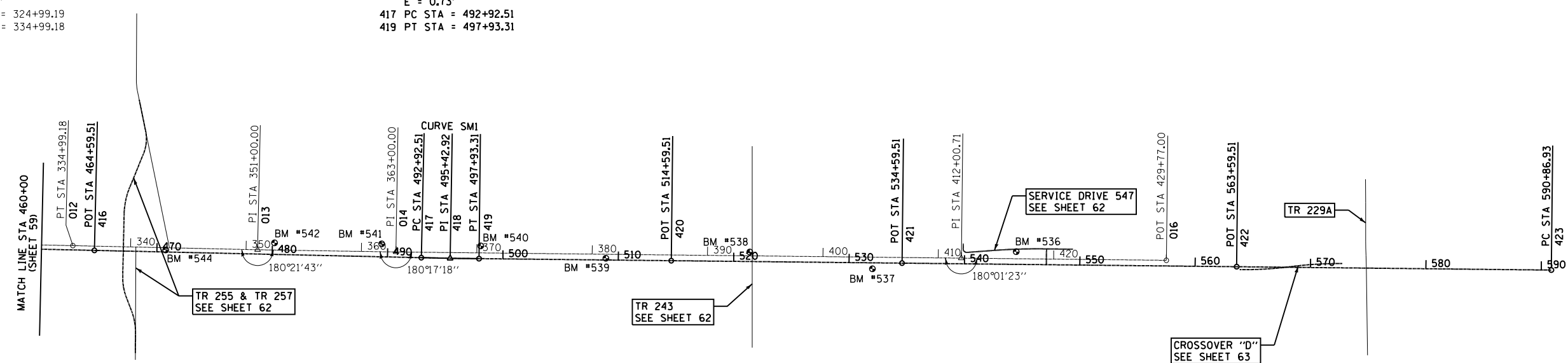
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	60
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 322 (US 51)

EX US 51 CURVE #617 DATA
 010 PI STA = 329+99.19
 Δ = 0° 27' 58" (RT)
 D = 0° 2' 48"
 R = 122,929.92'
 T = 500.00'
 L = 999.99'
 E = 1.02'
 011 PC STA = 324+99.19
 012 PT STA = 334+99.18

FAP 322 CURVE #SMI DATA
 418 PI STA = 495+42.92
 Δ = 0° 39' 51" (LT)
 D = 0° 7' 57"
 R = 43,200.00'
 T = 250.40'
 L = 500.80'
 E = 0.73'
 417 PC STA = 492+92.51
 419 PT STA = 497+93.31



BENCHMARKS		
MARK	ELEVATION	DESCRIPTION
BM #544	647.33	CHSLD " □ " IN NORTHEAST WINGWALL OF S.N. 011-0037 STA 470+76.00, 17.00' LT (PR US 51) STA 343+03.50, 20.00' RT (EX US 51)
BM #542	649.51	60d NAIL IN PP - 3.32 MILES SOUTH OF JCT ILLINOIS ST / US 51 STA 480+17.91, 99.85' LT (PR US 51) STA 352+45.80, 61.90' LT (EX US 51)
BM #541	661.21	CHSLD " □ " IN NORTHEAST CORNER OF CONCRETE WELL FOUNDATION - 3.14 MILES SOUTH OF JCT ILLINOIS ST / US 51 STA 489+46.85, 112.25' LT (PR US 51) STA 361+74.80, 68.45' LT (EX US 51)
BM #540	652.44	60d NAIL IN PP - 2.97 MILES SOUTH OF JCT ILLINOIS ST / US 51 STA 498+06.74, 110.70' LT (PR US 51) STA 370+33.70, 60.85' LT (EX US 51)
BM #539	645.77	CHSLD " □ " IN SOUTH END OF EAST HW 2.77 MILES SOUTH OF JCT ILLINOIS ST / US 51 STA 508+92.31, 15.00' LT (PR US 51) STA 381+19.30, 34.60' RT (EX US 51)
BM #538	649.76	CHSLD " □ " IN CENTER OF SOUTH HW - 2.53 MILES SOUTH OF JCT ILLINOIS ST / US 51 STA 521+38.73, 82.60' LT (PR US 51) STA 393+65.70, 33.30' LT (EX US 51)
BM #537	651.40	CHSLD " □ " WEST EDGE OF NORTH CONCRETE BIN FOUNDATION - 2.33 MILES SOUTH OF JCT ILLINOIS ST / US 51 STA 532+02.80, 52.00' RT (PR US 51) STA 404+29.80, 101.00' RT (EX US 51)
BM #536	648.49	60d NAIL IN PP - 2.09 MILES SOUTH OF JCT ILLINOIS ST / US 51 STA 544+47.21, 109.75' LT (PR US 51) STA 416+74.20, 60.85' LT (EX US 51)

	CONTROL POINTS		
	POINT	NORTHING	EASTING
EX US 51	012	1,020,272.39	2,613,439.93
	013	1,021,873.01	2,613,465.40
	014	1,023,072.95	2,613,476.92
	015	1,027,973.62	2,613,499.29
	016	1,029,749.89	2,613,506.68

	CONTROL POINTS		
	POINT	NORTHING	EASTING
MAINLINE FAP 322 (US 51)	416	1,020,459.61	2,613,479.91
	417	1,023,292.25	2,613,524.99
	418	1,023,542.62	2,613,528.98
	419	1,023,793.02	2,613,530.06
	420	1,025,459.21	2,613,537.26
	421	1,027,459.19	2,613,545.90
	422	1,030,359.16	2,613,558.43
	423	1,033,086.55	2,613,570.21

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ALIGNMENT & BENCHMARK DATA
 SHEET 2 OF 5
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: 1"=500'
 DATE: _____ DRAWN BY: SEB
 CHECKED BY: _____

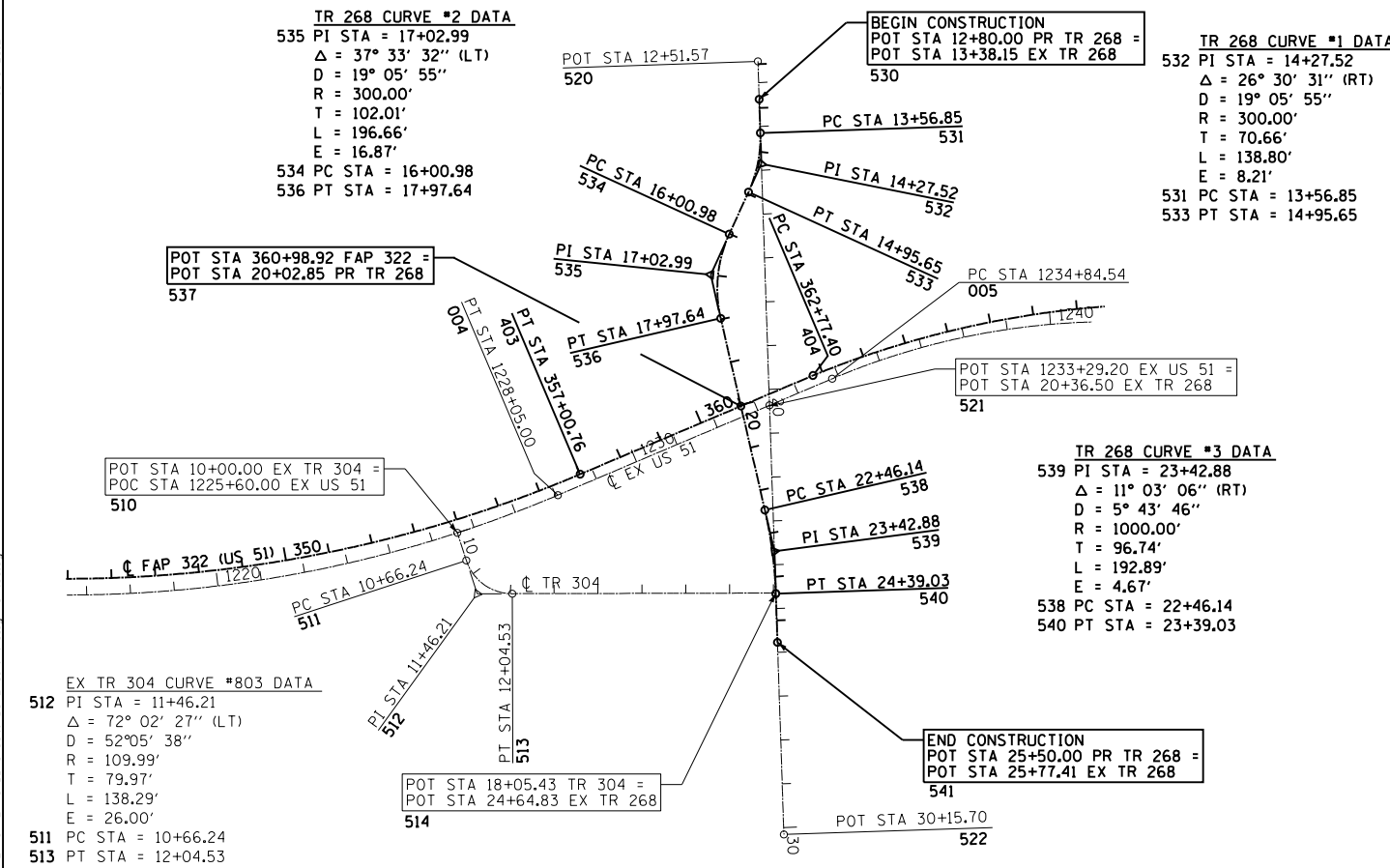
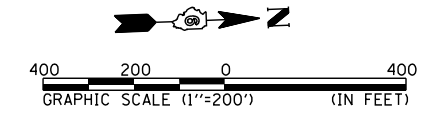
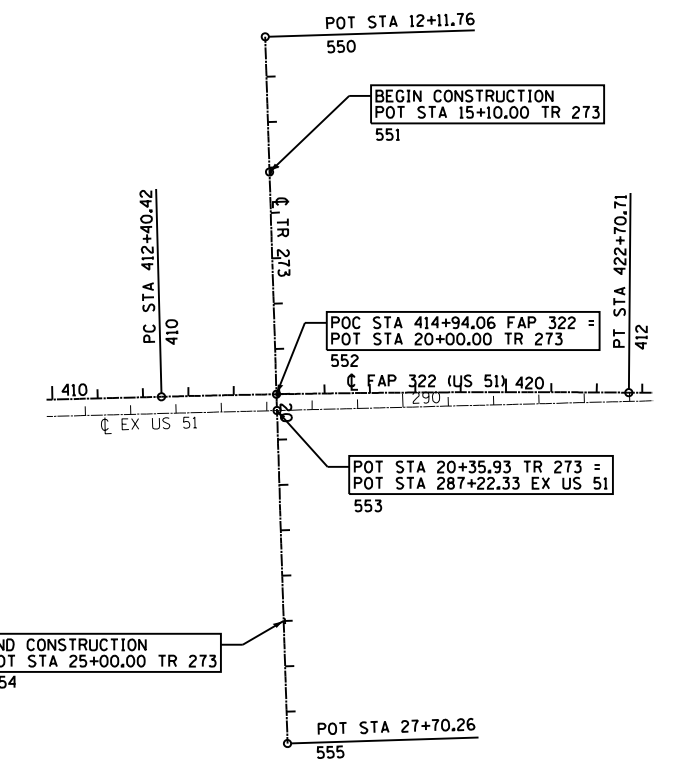
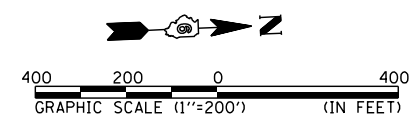
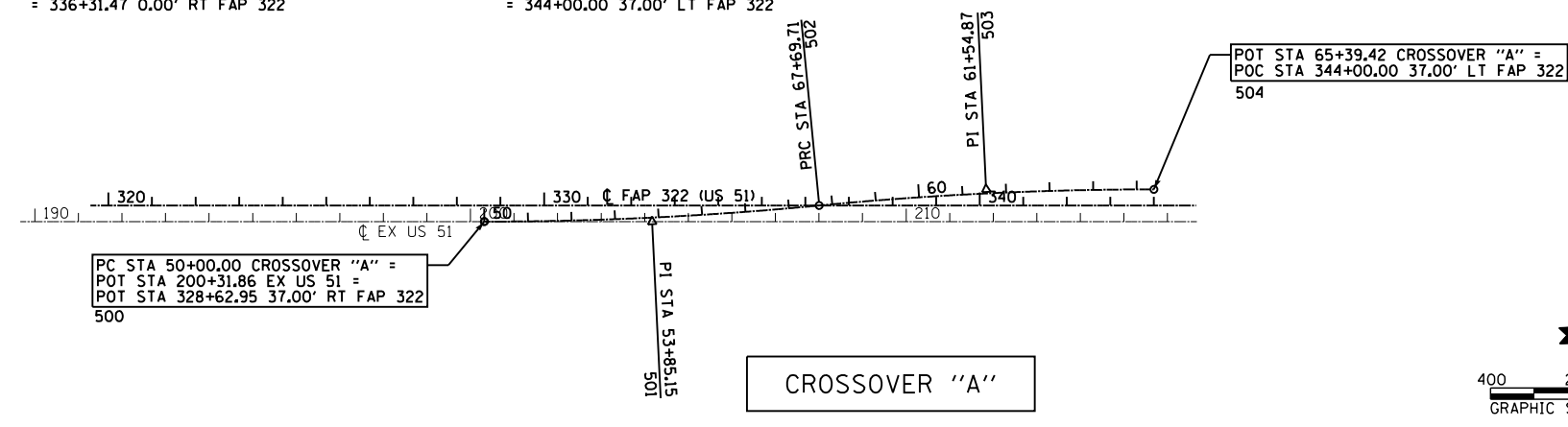
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	61
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSSOVER "A" CURVE #1 DATA
 501 PI STA. = 53+85.15
 = 332+48.10 37.00' RT FAP 322
 $\Delta = 5^\circ 30' 46''$ (LT)
 $D = 0^\circ 42' 58''$
 $R = 8,000.00'$
 $T = 385.15'$
 $L = 769.71'$
 $E = 9.27'$
 500 P.C. STA. = 50+00.00
 = 328+62.95 37.00' RT FAP 322
 502 P.T. STA. = 57+69.71
 = 336+31.47 0.00' RT FAP 322

CROSSOVER "A" CURVE #2 DATA
 503 PI STA. = 61+54.87
 = 340+14.85 37.00' LT FAP 322
 $\Delta = 5^\circ 30' 46''$ (RT)
 $D = 0^\circ 42' 58''$
 $R = 8,000.00'$
 $T = 385.15'$
 $L = 769.71'$
 $E = 9.27'$
 502 P.C. STA. = 57+69.71
 = 336+31.47 0.00' RT FAP 322
 504 P.T. STA. = 65+39.42
 = 344+00.00 37.00' LT FAP 322

CROSSOVER "A"	CONTROL POINTS		
	POINT	NORTHING	EASTING
	500	1,006,915.18	2,613,859.63
	501	1,007,300.12	2,613,872.61
	502	1,007,684.52	2,613,848.55
	503	1,008,068.92	2,613,824.49
	504	1,008,453.86	2,613,837.47

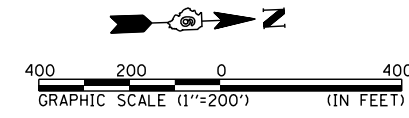


EX TR 304	CONTROL POINTS		
	POINT	NORTHING	EASTING
	510	1,009,444.12	2,613,803.08
	511	1,009,462.56	2,613,866.70
	512	1,009,484.82	2,613,943.51
	513	1,009,564.75	2,613,946.01
	514	1,010,165.36	2,613,964.83

EX TR 268	CONTROL POINTS		
	POINT	NORTHING	EASTING
	520	1,010,165.48	2,612,751.56
	521	1,010,165.40	2,613,536.49
	522	1,010,165.30	2,614,515.69

PR TR 268	CONTROL POINTS		
	POINT	NORTHING	EASTING
	530	1,010,165.47	2,612,838.14
	531	1,010,165.46	2,612,914.99
	532	1,010,165.46	2,612,985.66
	533	1,010,133.91	2,613,048.89
	534	1,010,086.89	2,613,143.15
	535	1,010,041.36	2,613,234.43
	536	1,010,060.90	2,613,334.54
	537	1,010,100.22	2,613,535.95
	538	1,010,146.832	2,613,774.73
	539	1,010,165.37	2,613,869.69
540	1,010,165.36	2,613,966.43	
541	1,010,165.35	2,614,077.40	

TR 274	CONTROL POINTS		
	POINT	NORTHING	EASTING
	550	1,015,497.48	2,612,574.56
	551	1,015,496.85	2,612,872.80
	552	1,015,495.80	2,613,362.80
	553	1,015,495.73	2,613,398.73
554	1,015,494.74	2,613,862.80	
555	1,015,494.16	2,614,133.06	



REVISIONS	
NAME	DATE

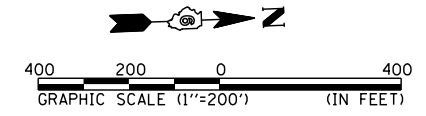
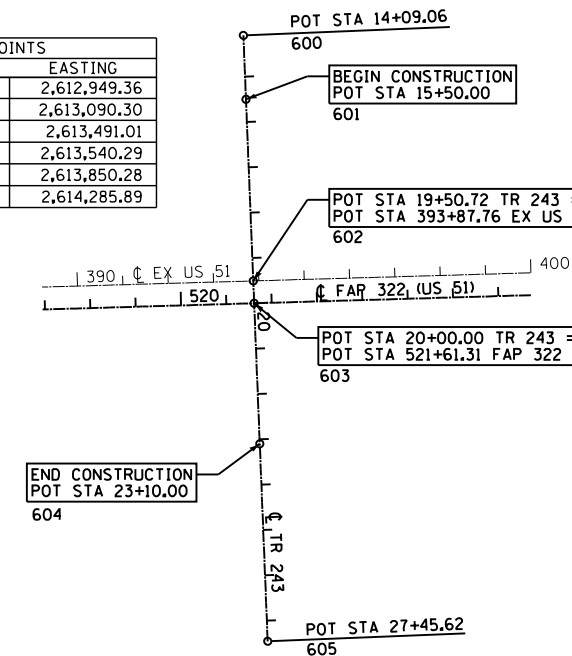
ILLINOIS DEPARTMENT OF TRANSPORTATION
 ALIGNMENT & BENCHMARK DATA
 SHEET 3 OF 5
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: 1"=200'
 DATE: _____ DRAWN BY: SEB
 CHECKED BY: _____

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	62
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

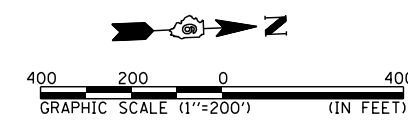
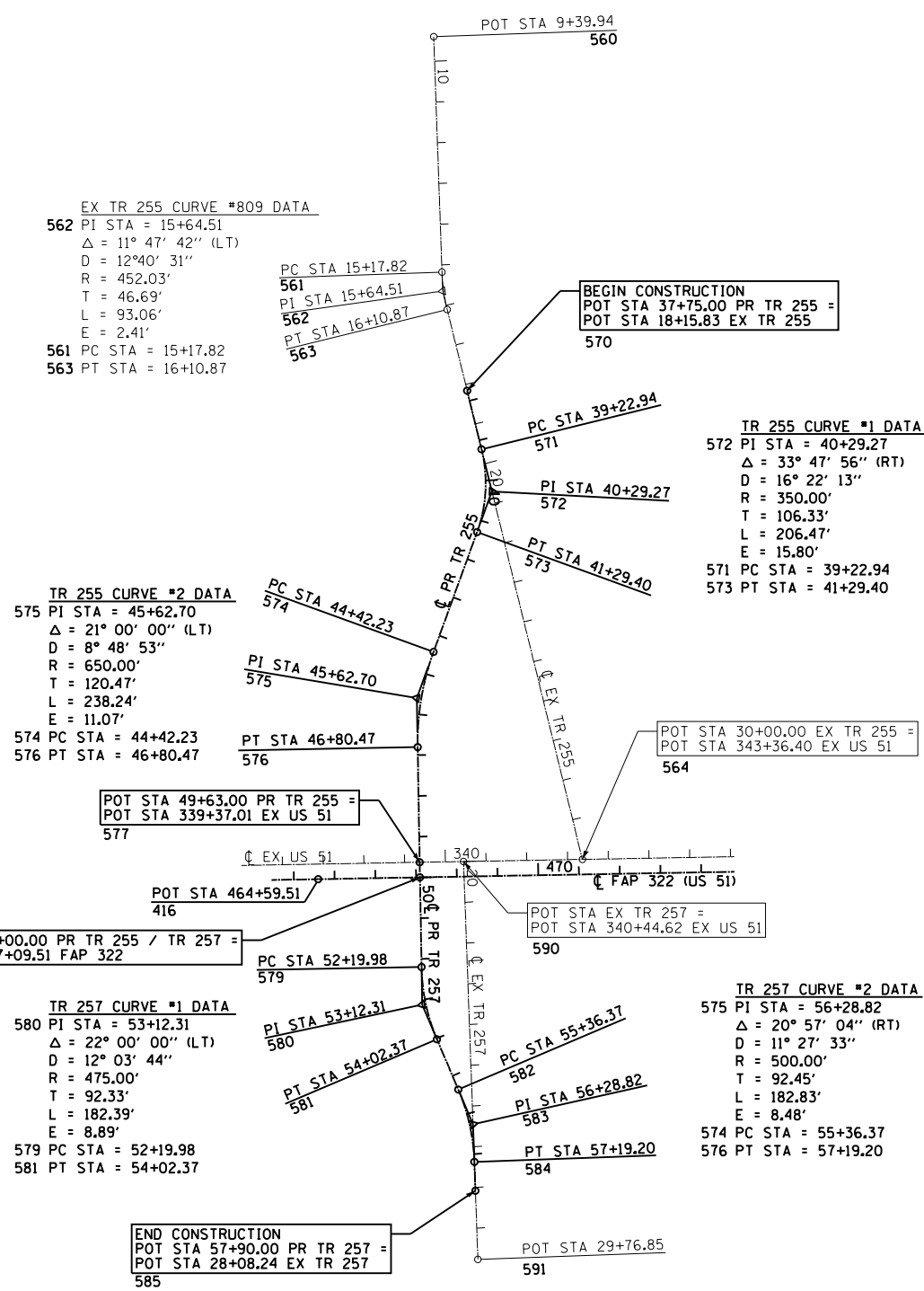
POINT	CONTROL POINTS	
	NORTHING	EASTING
600	1,026,157.23	2,612,949.36
601	1,026,158.13	2,613,090.30
602	1,026,160.68	2,613,491.01
603	1,026,160.99	2,613,540.29
604	1,026,162.96	2,613,850.28
605	1,026,165.74	2,614,285.89



POINT	CONTROL POINTS	
	NORTHING	EASTING
560	1,020,812.75	2,611,423.65
561	1,020,813.67	2,612,001.52
562	1,020,813.75	2,612,048.22
563	1,020,823.37	2,612,093.91
564	1,021,109.50	2,613,453.25

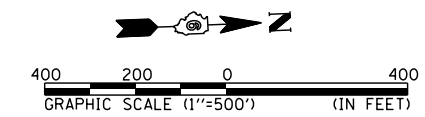
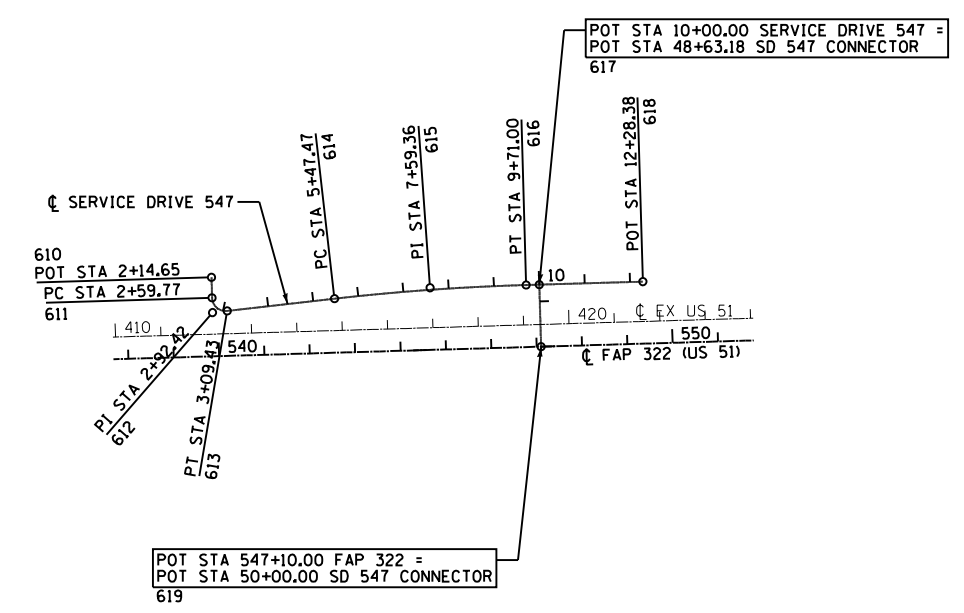
POINT	CONTROL POINTS	
	NORTHING	EASTING
570	1,020,865.59	2,612,294.47
571	1,020,896.06	2,612,439.24
572	1,020,917.96	2,612,543.29
573	1,020,878.28	2,612,641.94
574	1,020,761.54	2,612,932.18
575	1,020,716.58	2,613,043.94
576	1,020,714.66	2,613,164.40
577	1,020,710.17	2,613,446.89
578	1,020,709.58	2,613,483.89
579	1,020,706.08	2,613,703.84
580	1,020,704.61	2,613,796.16
581	1,020,737.83	2,613,882.31
582	1,020,786.04	2,614,007.33
583	1,020,819.31	2,614,093.59
584	1,020,819.53	2,614,186.04
585	1,020,819.70	2,614,256.84

POINT	CONTROL POINTS	
	NORTHING	EASTING
590	1,020,817.76	2,613,448.61
591	1,020,820.10	2,614,425.45



SD 547 CURVE #1 DATA
 612 PI STA = 2+92.42
 Δ = 94° 51' 13'' (LT)
 D = 190° 59' 09''
 R = 30.00'
 T = 32.66'
 L = 49.67'
 E = 14.34'
 611 PC STA = 2+59.77
 613 PT STA = 3+09.43

SD 547 CURVE #2 DATA
 615 PI STA = 7+59.36
 Δ = 4° 51' 12'' (RT)
 D = 1° 08' 45''
 R = 5000.00'
 T = 211.89'
 L = 423.53'
 E = 4.49'
 614 PC STA = 5+47.47
 616 PT STA = 9+71.00



POINT	CONTROL POINTS	
	NORTHING	EASTING
610	1,027,988.69	2,613,374.05
611	1,027,988.48	2,613,419.17
612	1,027,988.32	2,613,451.82
613	1,028,020.87	2,613,449.22
614	1,028,258.15	2,613,430.22
615	1,028,469.36	2,613,413.32
616	1,028,681.25	2,613,414.34
617	1,028,710.25	2,613,414.48
618	1,028,938.63	2,613,415.58
619	1,028,709.66	2,613,551.30

REVISIONS	
NAME	DATE

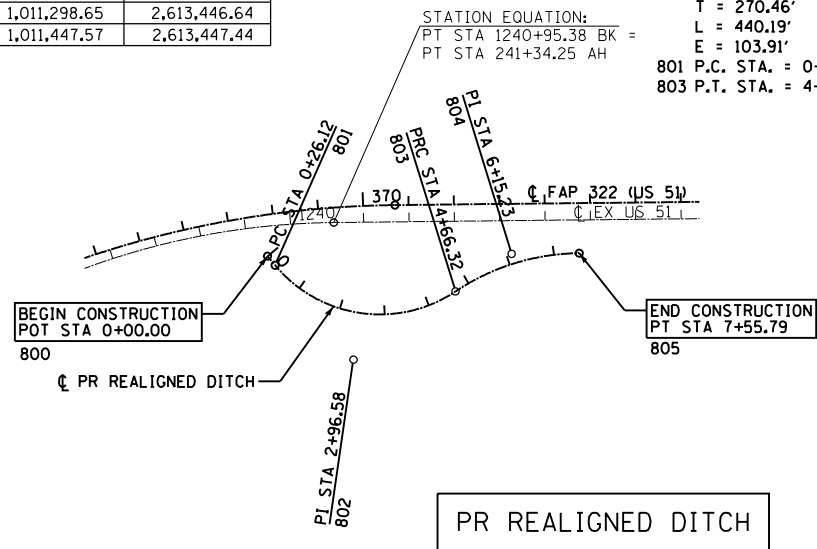
ILLINOIS DEPARTMENT OF TRANSPORTATION
 ALIGNMENT & BENCHMARK DATA
 SHEET 4 OF 5
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: 1"=200' DRAWN BY SEB
 DATE CHECKED BY

D:\01\Files\010325\1\SO\114 PLANS NEW\CADD Sheets\05\2961-sh11-13\alignmen104.dgn 10/5/2012

CONTROL POINTS		
POINT	NORTHING	EASTING
800	1,010,760.59	2,613,443.06
801	1,010,776.95	2,613,463.42
802	1,010,946.40	2,613,674.22
803	1,011,173.57	2,613,527.45
804	1,011,298.65	2,613,446.64
805	1,011,447.57	2,613,447.44

PR DITCH CURVE #1 DATA
 802 PI STA. = 2+96.58
 $\Delta = 84^\circ 04' 15''$ (LT)
 $D = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 270.46'$
 $L = 440.19'$
 $E = 103.91'$
 801 P.C. STA. = 0+26.12
 803 P.T. STA. = 4+66.32

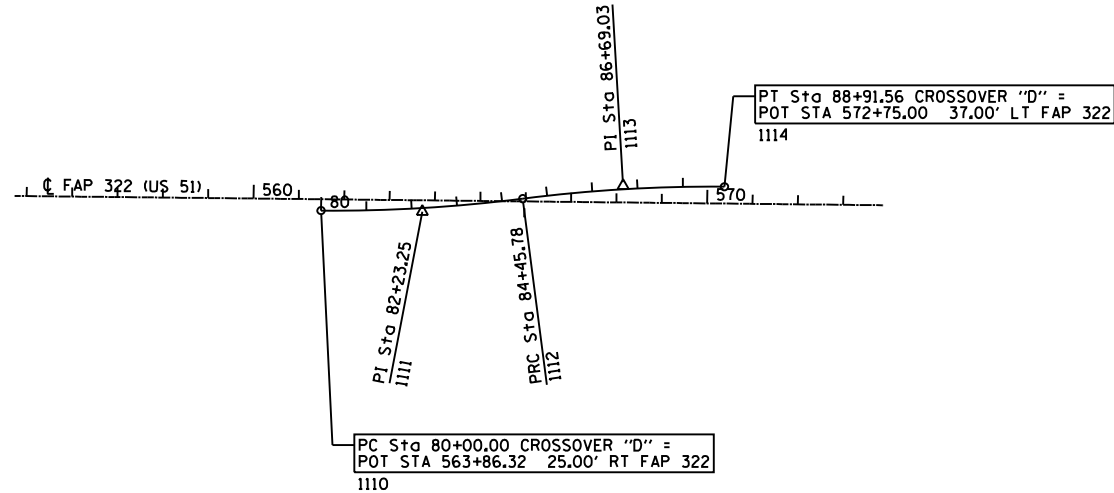
PR DITCH CURVE #2 DATA
 804 PI STA. = 6+15.23
 $\Delta = 33^\circ 10' 16''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 148.92'$
 $L = 289.47'$
 $E = 21.71'$
 803 P.C. STA. = 4+66.32
 805 P.T. STA. = 7+55.79



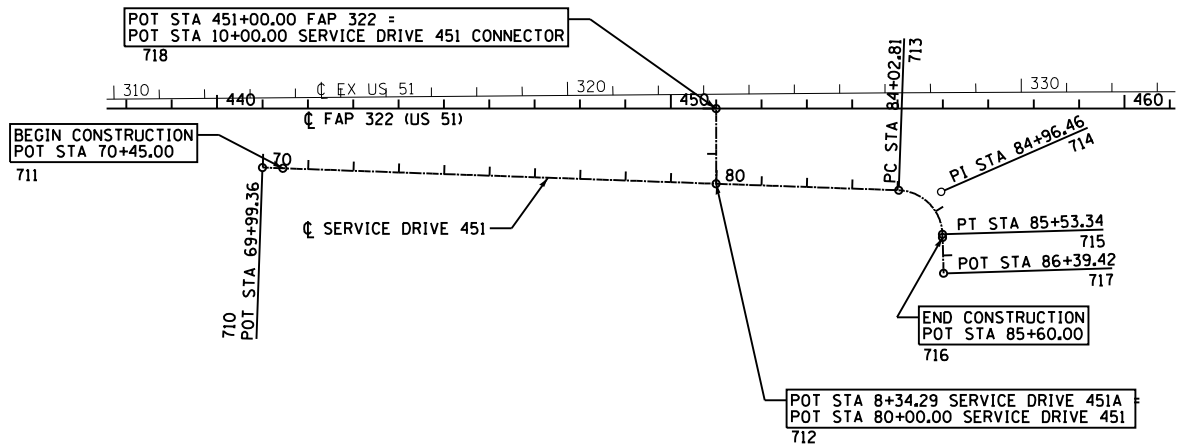
CONTROL POINTS		
POINT	NORTHING	EASTING
1110	1,030,385.856	2,613,583.544
1111	1,030,609.106	2,613,584.508
1112	1,030,830.327	2,613,554.464
1113	1,031,051.548	2,613,524.419
1114	1,031,274.798	2,613,525.384

CROSSOVER "D" CURVE #1 DATA:
 1111 PI STA = 82+23.25
 $\Delta = 7^\circ 58' 54''$ (LT)
 $D = 1^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 223.25'$
 $L = 445.78'$
 $E = 7.78'$
 1110 PC STA = 80+00.00
 1112 PT STA = 84+45.78

CROSSOVER "D" CURVE #2 DATA:
 1113 PI STA = 86+69.03
 $\Delta = 7^\circ 58' 54''$ (RT)
 $D = 1^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 223.25'$
 $L = 445.78'$
 $E = 7.76'$
 1112 PC STA = 84+45.78
 1114 PT STA = 88+91.56



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	63
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



CONTROL POINTS		
POINT	NORTHING	EASTING
710	1,018,098.33	2,613,572.35
711	1,018,143.90	2,613,574.70
712	1,019,097.63	2,613,623.97
713	1,019,499.90	2,613,644.75
714	1,019,593.43	2,613,649.58
715	1,019,594.73	2,613,743.23
716	1,019,594.83	2,613,749.89
717	1,019,595.93	2,613,829.30
718	1,019,100.27	2,613,458.28

SD 451 CURVE #1 DATA
 714 PI STA. = 84+96.46
 $\Delta = 86^\circ 14' 55''$ (LT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 93.66'$
 $L = 150.53'$
 $E = 37.01'$
 713 P.C. STA. = 84+02.81
 715 P.T. STA. = 85+53.34

SERVICE DRIVE 451



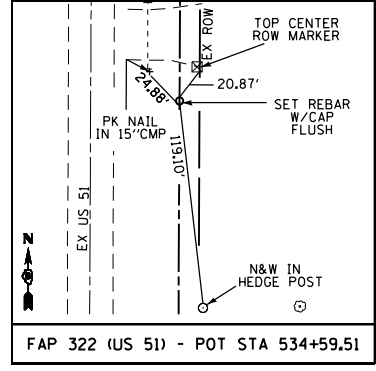
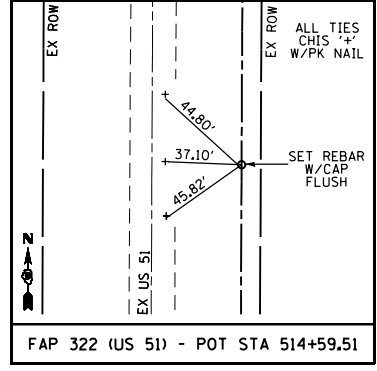
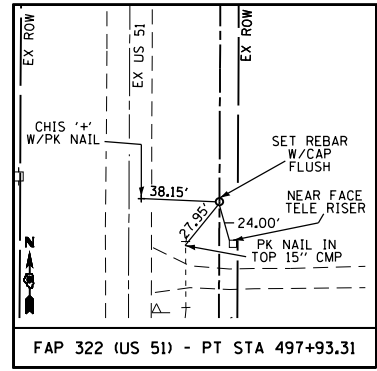
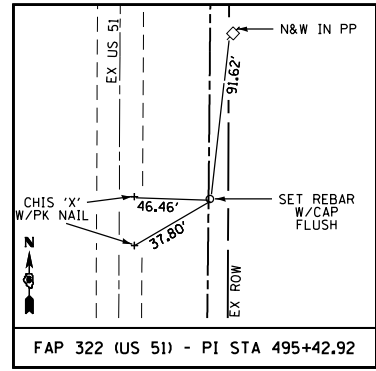
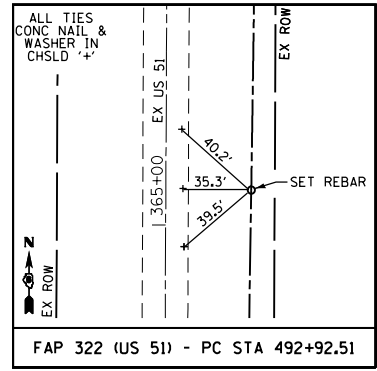
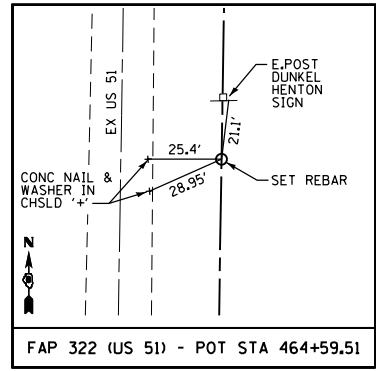
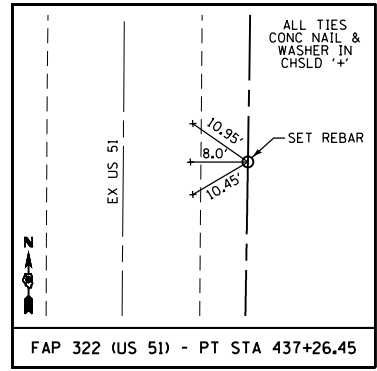
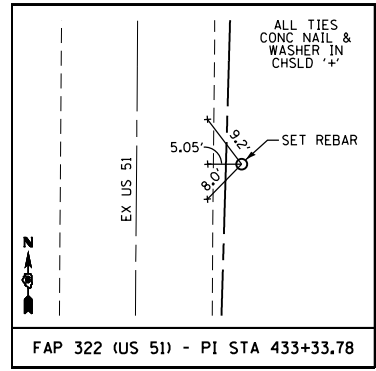
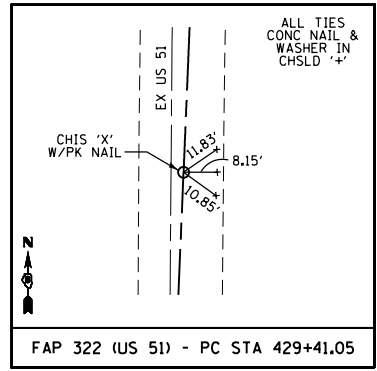
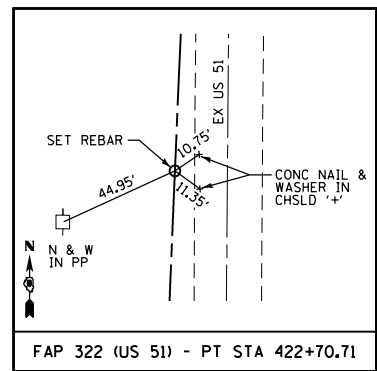
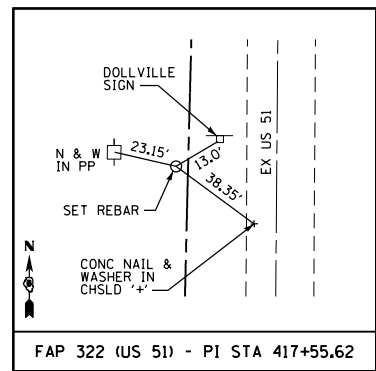
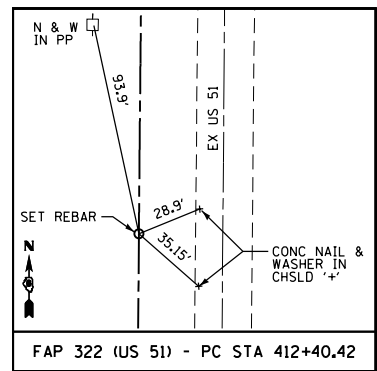
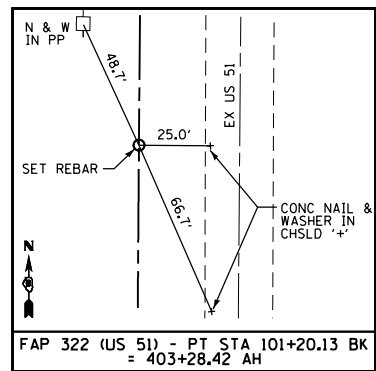
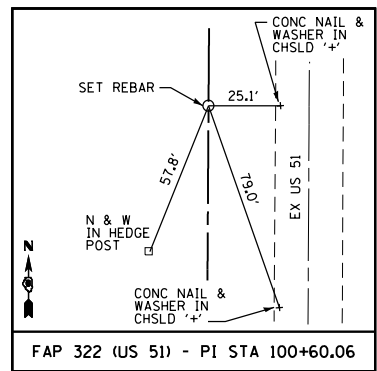
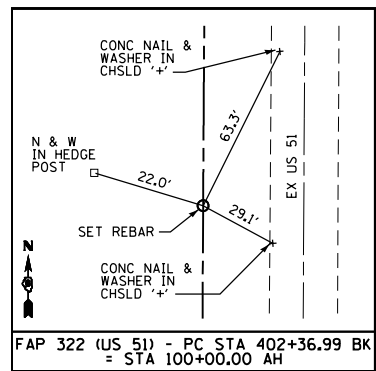
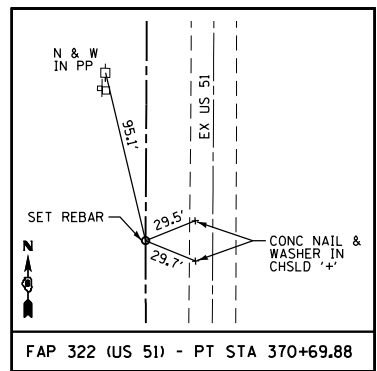
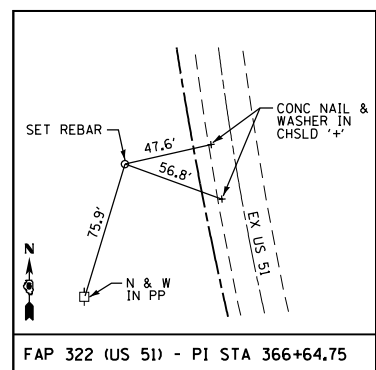
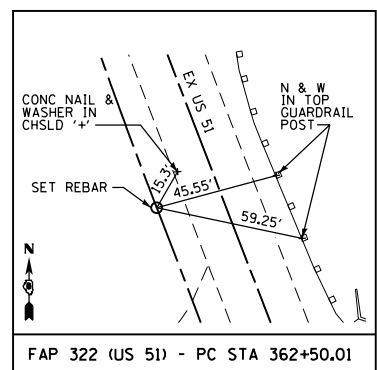
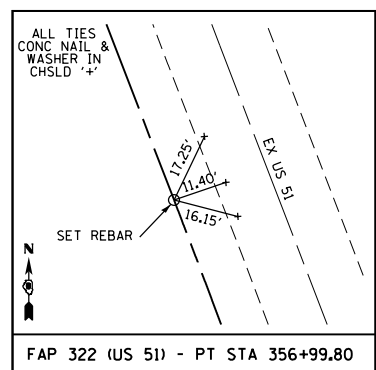
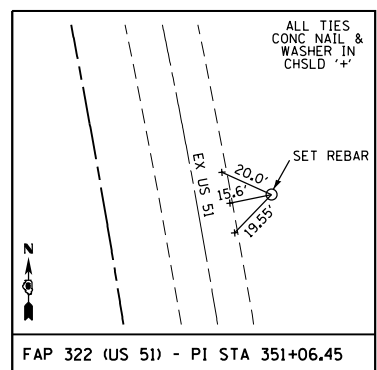
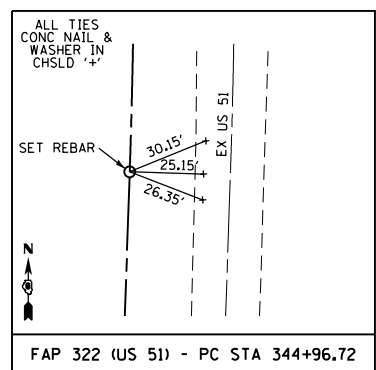
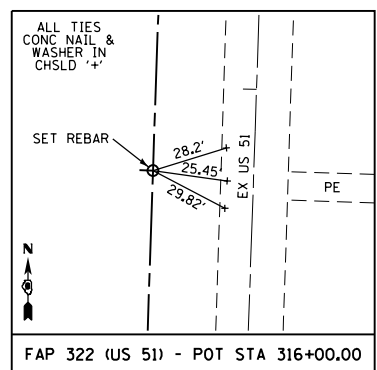
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ALIGNMENT & BENCHMARK DATA
 SHEET 5 OF 5
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: 1"=200'
 DATE

DRAWN BY EBB
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	64
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

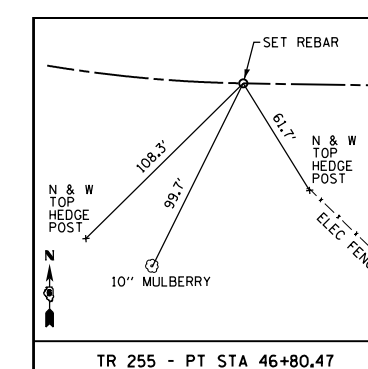
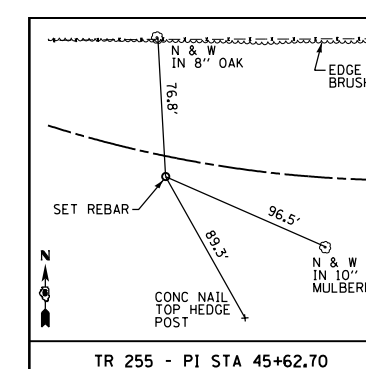
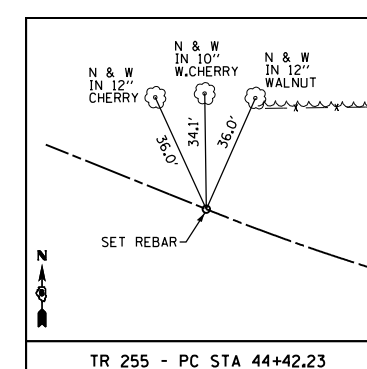
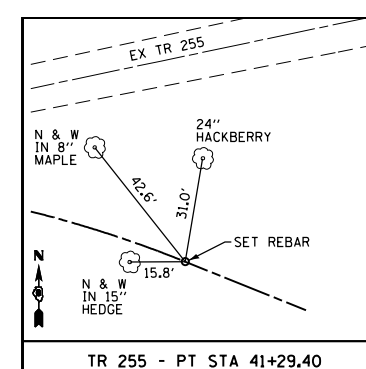
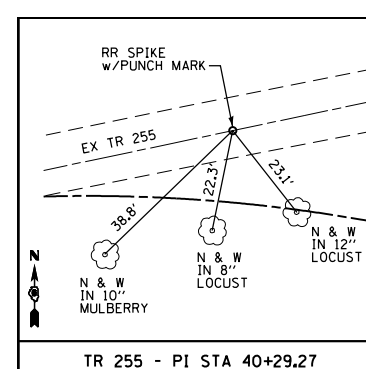
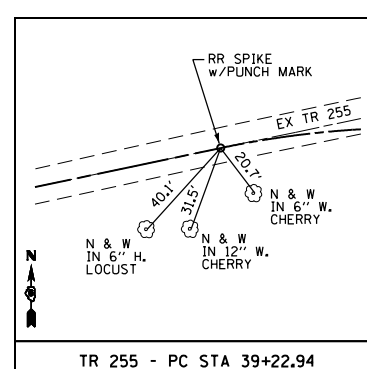
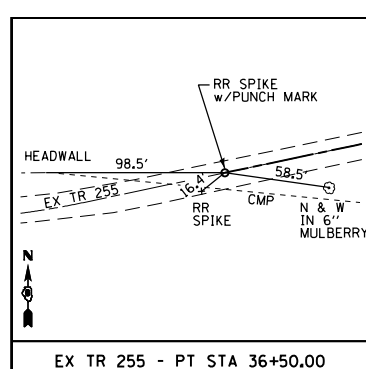
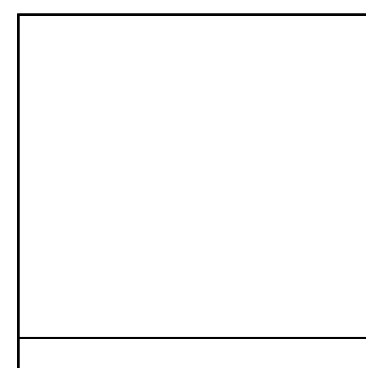
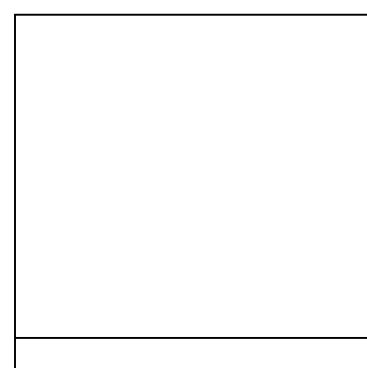
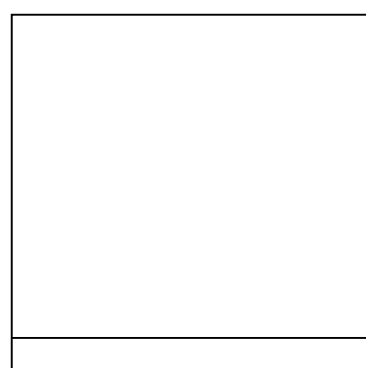
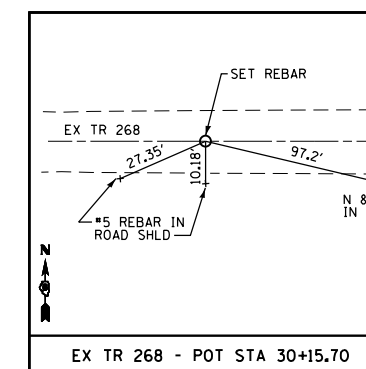
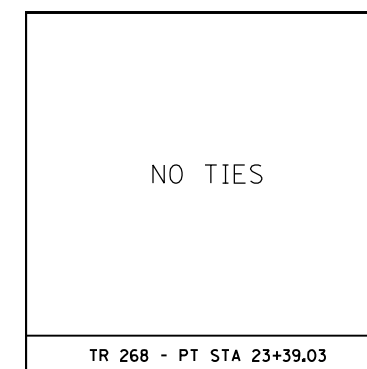
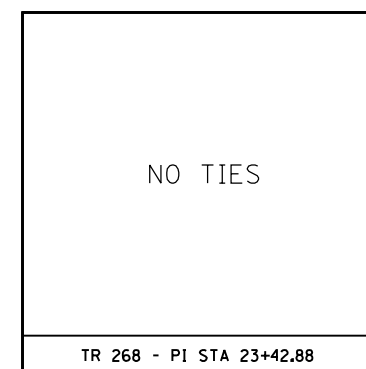
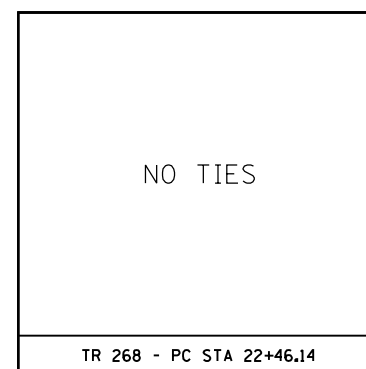
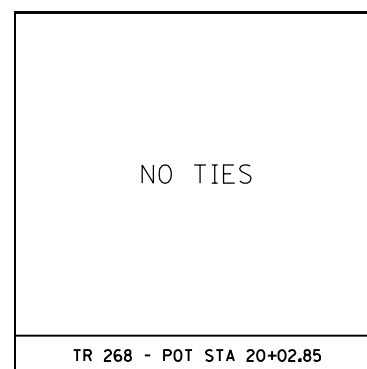
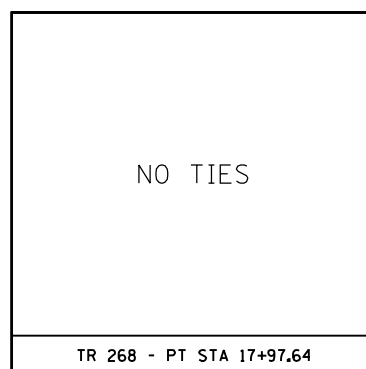
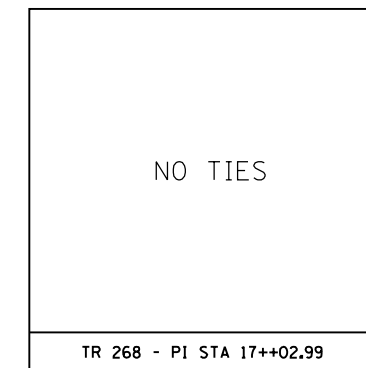
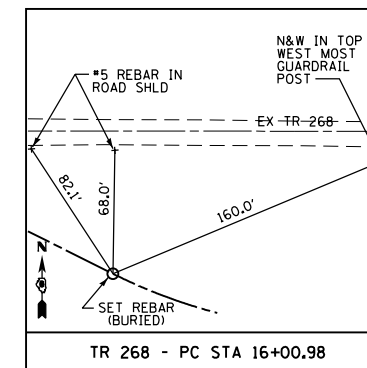
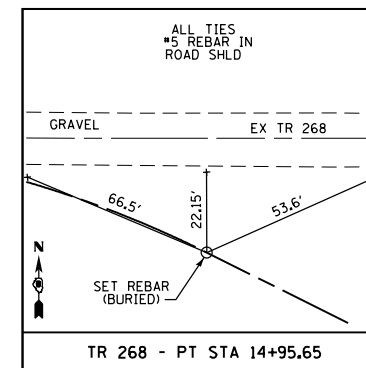
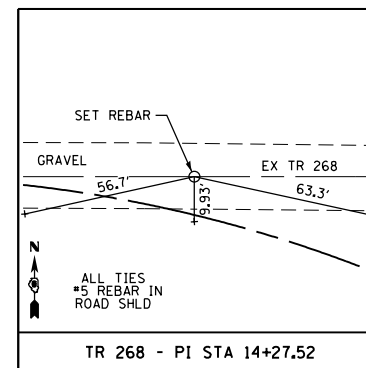
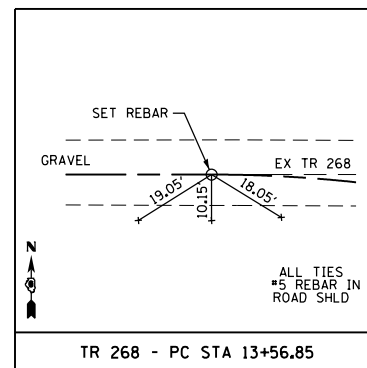
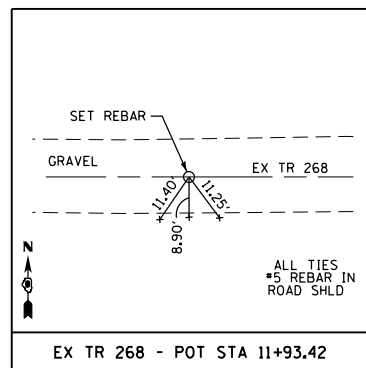


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 HORIZONTAL CONTROL TIES
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE
 DATE: _____ DRAWN BY: _____ CHECKED BY: _____

10/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	65
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

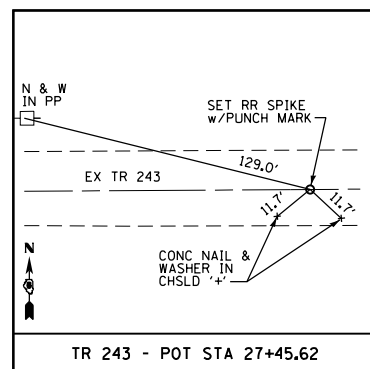
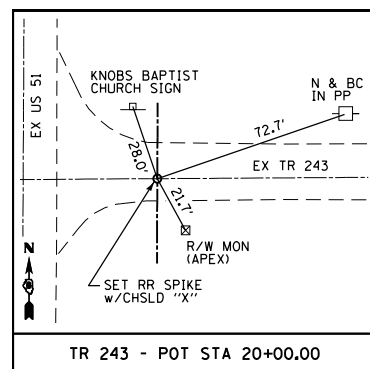
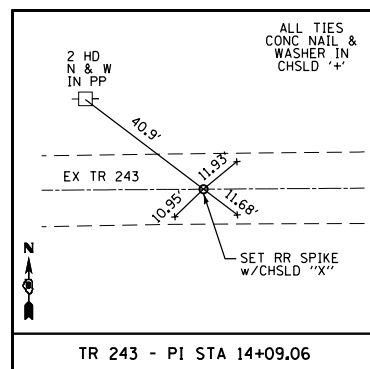
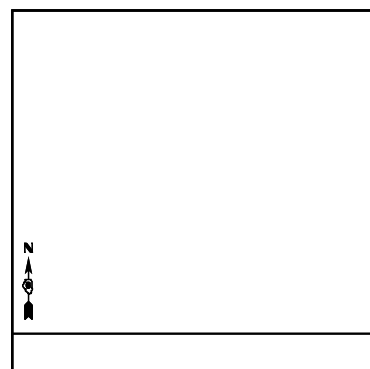
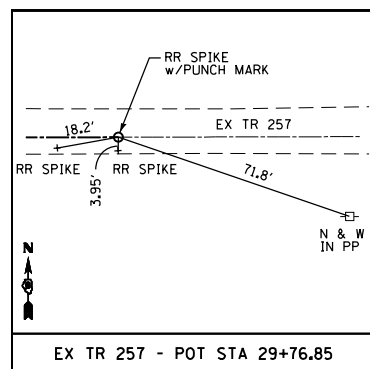
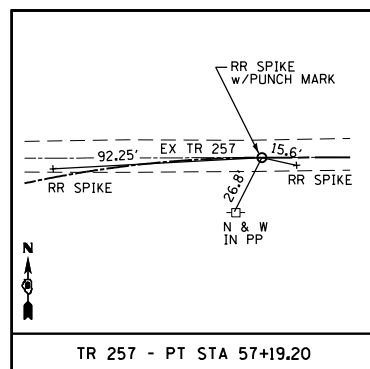
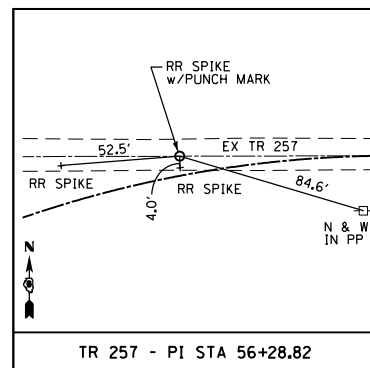
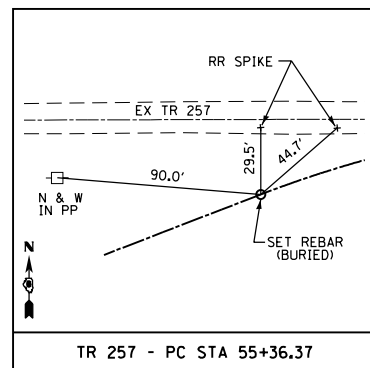
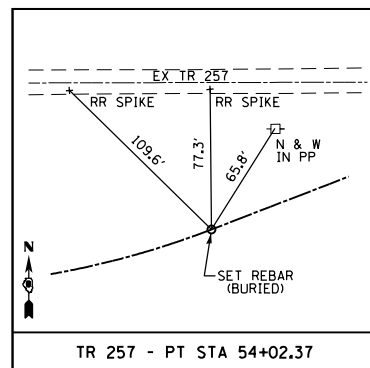
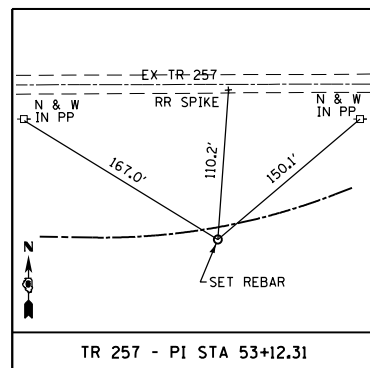
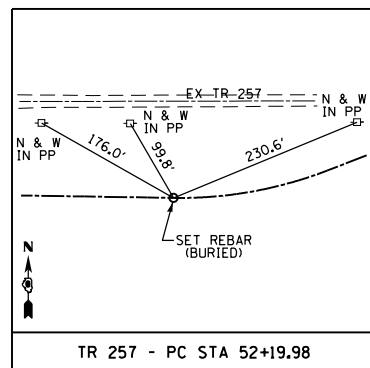
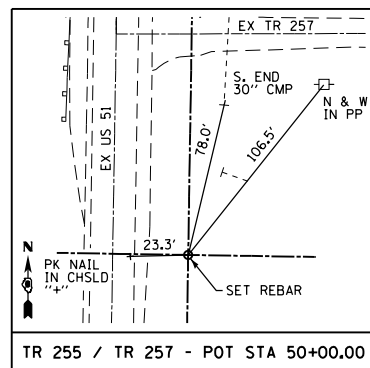


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 HORIZONTAL CONTROL TIES
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE
 DATE: _____ DRAWN BY: _____ CHECKED BY: _____

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	66
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



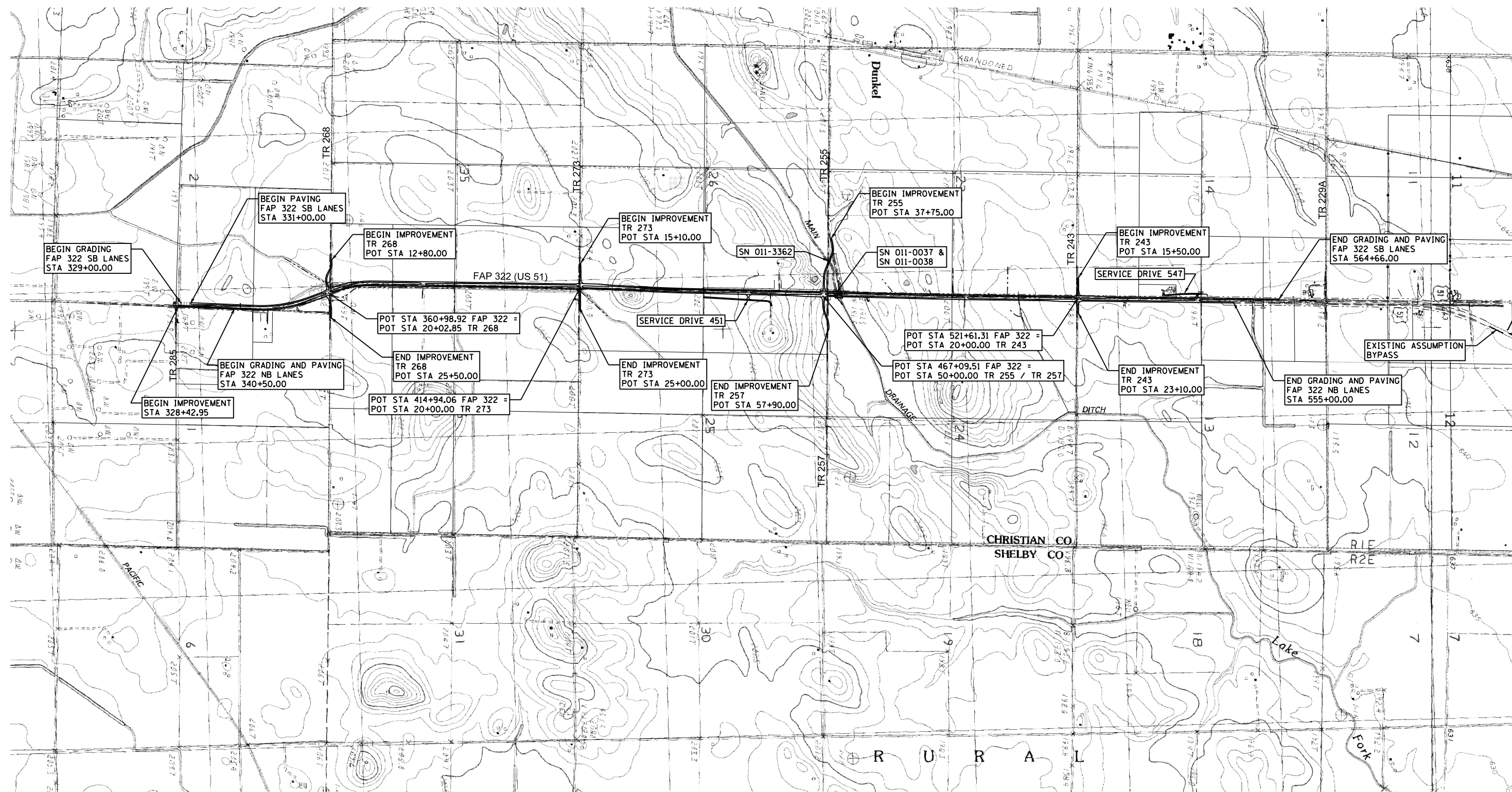
10/5/2012

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REVISIONS	
NAME	DATE

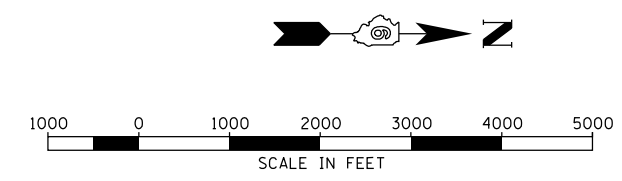
ILLINOIS DEPARTMENT OF TRANSPORTATION
 HORIZONTAL CONTROL TIES
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: NONE
 DATE
 DRAWN BY
 CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	67
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



10/5/2012

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SITE PLAN

FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: 1"=1000'
DATE: .

DRAWN BY: SEB
CHECKED BY: .

THE STAGE CONSTRUCTION SEQUENCE IS FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING AND EXECUTING THIS PROJECT WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

STAGE 1

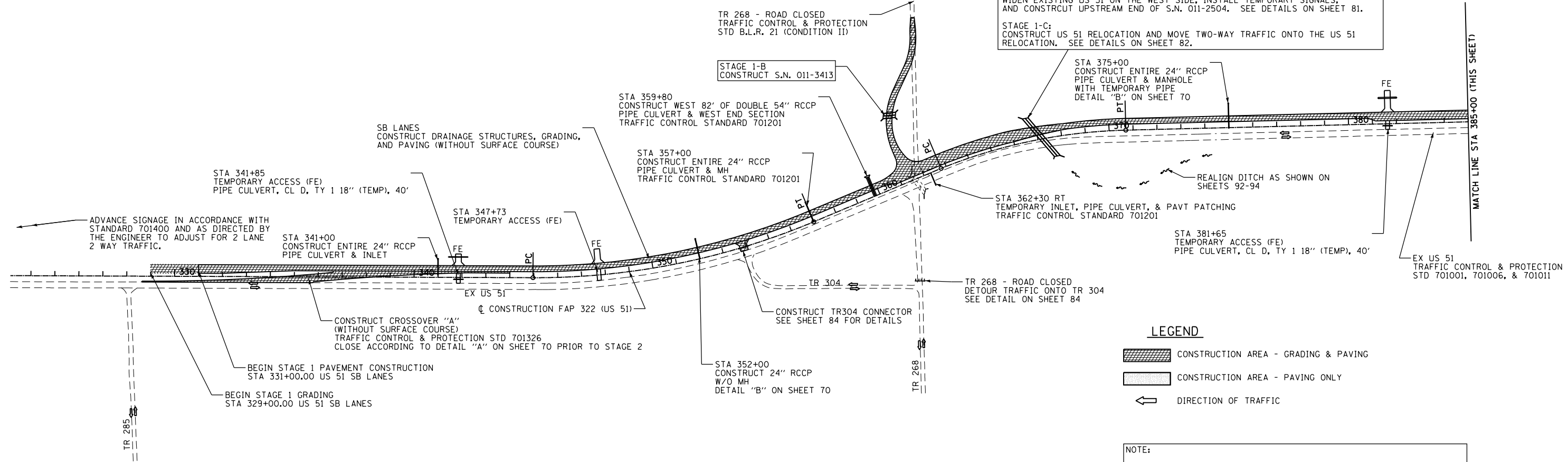
CONSTRUCT S.N. 011-2504, WEST LEG OF TR 268, AND SBLN FROM STA 352+00 TO 363+00 PRIOR TO OTHER STAGE 1 ACTIVITIES SOUTH OF STATION 433+00.

STAGE 1-A:
WIDEN EXISTING US 51 ON THE EAST SIDE, REALIGN MAIN DRAINAGE DITCH, AND CONSTRUCT DOWNSTREAM END OF S.N. 011-2504. SEE DETAILS ON SHEET 80.

STAGE 1-B:
WIDEN EXISTING US 51 ON THE WEST SIDE, INSTALL TEMPORARY SIGNALS, AND CONSTRUCT UPSTREAM END OF S.N. 011-2504. SEE DETAILS ON SHEET 81.

STAGE 1-C:
CONSTRUCT US 51 RELOCATION AND MOVE TWO-WAY TRAFFIC ONTO THE US 51 RELOCATION. SEE DETAILS ON SHEET 82.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	68
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



LEGEND

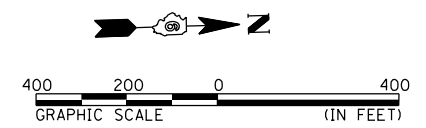
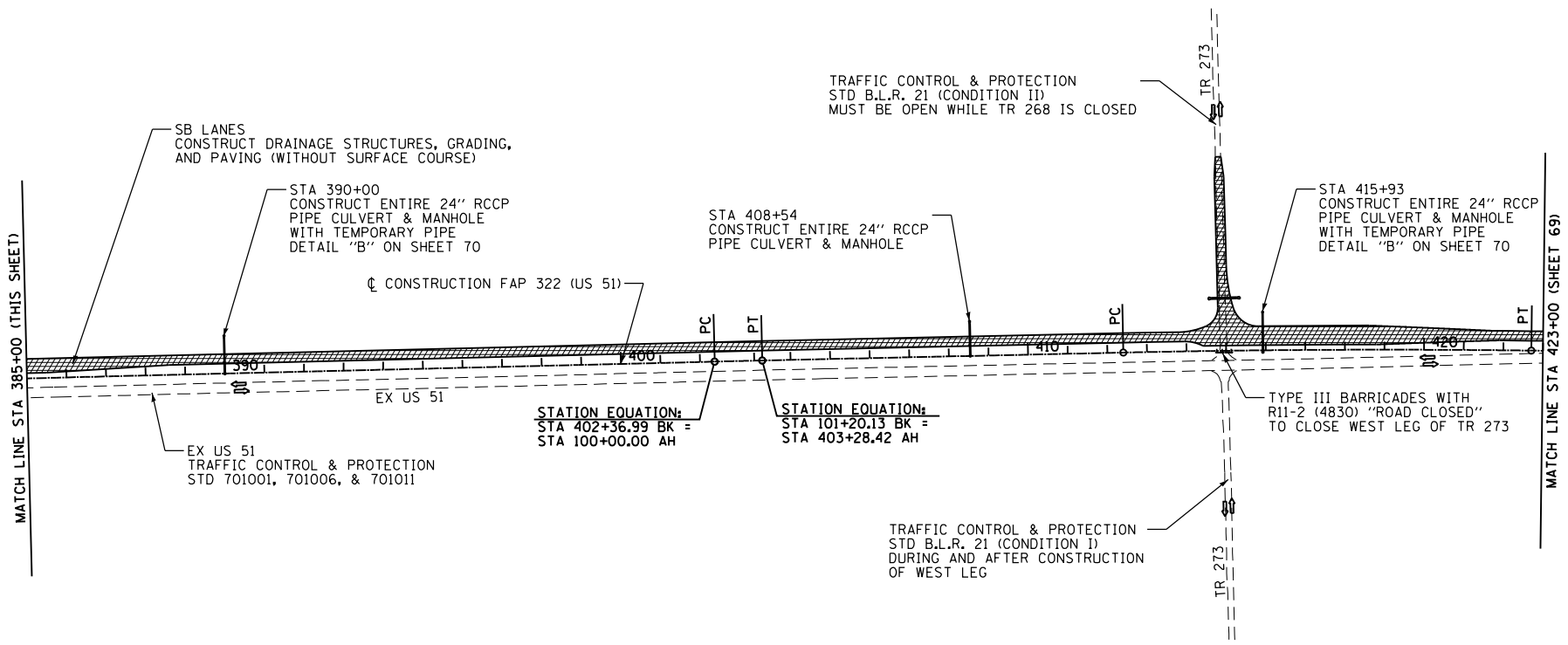
- CONSTRUCTION AREA - GRADING & PAVING
- CONSTRUCTION AREA - PAVING ONLY
- DIRECTION OF TRAFFIC

NOTE:

AT ALL TIMES THE NEXT SIDE ROAD TO THE NORTH AND SOUTH OF A CLOSED SIDE ROAD SHALL REMAIN OPEN TO THROUGH TRAFFIC.

PROVIDE ALL WEATHER ACCESS TO ALL PROPERTIES DURING CONSTRUCTION.

PROVIDE TYPE III BARRICADES AS NEEDED TO CLOSE US 51 SOUTHBOUND OR NORTHBOUND LANES TO TRAFFIC EACH SIDE OF ENTRANCES AS NEEDED. COST OF BARRICADES TO BE INCLUDED IN THE PAY ITEMS FOR TRAFFIC CONTROL AND PROTECTION.



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION STAGE 1 TRAFFIC CONTROL AND STAGING FAP 322 (US 51) SECTION 11-13 CHRISTIAN COUNTY	SCALE: DATE	DRAWN BY CHECKED BY
NAME	DATE			

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	69
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

THE STAGE CONSTRUCTION SEQUENCE IS FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING AND EXECUTING THIS PROJECT WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

STAGE 1

TR 255 - ROAD CLOSED
TRAFFIC CONTROL & PROTECTION
STD B.L.R. 21 (CONDITION II)
MUST BE OPEN WHILE TR 273 IS CLOSED

CONSTRUCT SN 011-3362
OVER MAIN DRAINAGE DITCH
(EX TR 255 SHALL REMAIN
OPEN TO TRAFFIC)

WEST LEG OF TR 255
CONSTRUCT STAGE 1

STA 473+30
CONSTRUCT ENTIRE 24" RCCP
PIPE CULVERT & MH

CONSTRUCT SN 011-0038
OVER MAIN DRAINAGE DITCH

TR 257 - ROAD CLOSED
TRAFFIC CONTROL & PROTECTION
STD B.L.R. 21 (CONDITION II)
MUST BE OPEN WHILE TR 243 IS CLOSED

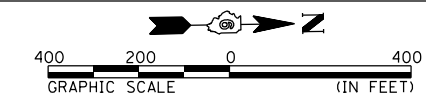
LEGEND

CONSTRUCTION AREA - GRADING & PAVING

CONSTRUCTION AREA - PAVING ONLY

DIRECTION OF TRAFFIC

NOTE:
AT ALL TIMES THE NEXT SIDE ROAD TO THE NORTH AND SOUTH OF A CLOSED SIDE ROAD SHALL REMAIN OPEN TO THROUGH TRAFFIC.
PROVIDE ALL WEATHER ACCESS TO ALL PROPERTIES DURING CONSTRUCTION.
PROVIDE TYPE III BARRICADES AS NEEDED TO CLOSE US 51 SOUTHBOUND OR NORTHBOUND LANES TO TRAFFIC EACH SIDE OF ENTRANCES AS NEEDED. COST OF BARRICADES TO BE INCLUDED IN THE PAY ITEMS FOR TRAFFIC CONTROL AND PROTECTION.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE 1
TRAFFIC CONTROL AND STAGING
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY
SCALE: _____ DRAWN BY _____
DATE _____ CHECKED BY _____

SB LANES
CONSTRUCT DRAINAGE STRUCTURES, GRADING,
AND PAVING (WITHOUT SURFACE COURSE)

END STAGE 1 CONSTRUCTION
SB LANES STA 427+50.00

STA 71+50 (CROSSOVER "B")
CONSTRUCT TEMP 15" PIPE CULVERT WITH INLET
TRAFFIC CONTROL STANDARD 701201

CONSTRUCT GRADING AND PAVING
CROSSOVER "B" (SEE DETAIL SHEET 87)
TRAFFIC CONTROL & PROTECTION STD 701326

BEGIN STAGE 1 CONSTRUCTION
NB LANES STA 433+00.00

STA 436+98
CONSTRUCT 24" RCCP
W/O INLET
DETAIL "B" ON SHEET 70

NB LANES
CONSTRUCT DRAINAGE STRUCTURES, GRADING,
AND PAVING (WITHOUT SURFACE COURSE)

SERVICE DRIVE 451
CONSTRUCT DRAINAGE STRUCTURES,
GRADING, AND PAVING PRIOR TO NB
LANES TO ALLOW PROPERTY ACCESS

STA 451+00
TEMPORARY ACCESS (ROAD)

STA 443+00
CONSTRUCT ENTIRE 24" RCCP
PIPE CULVERT & MH
TRAFFIC CONTROL STANDARD 701201
DETAIL "B" ON SHEET 70

EX US 51
TRAFFIC CONTROL & PROTECTION
STD 701001, 701006, & 701011

CONSTRUCTION FAP 322 (US 51)

SEE DETAIL ON SHEET 85
FOR TR 255 CONNECTOR

STA 466+09
CONSTRUCT ENTIRE 24" RCCP
PIPE CULVERT & MH

EAST LEG OF TR 257
CONSTRUCT STAGE 1

STA 8+94
CONSTRUCT ENTIRE 54" RCCP
PIPE CULVERT

STA 480+00
CONSTRUCT ENTIRE 24" RCCP
PIPE CULVERT & MH WITH TEMPORARY PIPE
DETAIL "B" ON SHEET 70

STA 482+00
TEMPORARY ACCESS (FE)
PIPE CULVERT, CL D, TY 1 18" (TEMP), 50'

EX US 51
TRAFFIC CONTROL & PROTECTION
STD 701001, 701006, & 701011

STA 497+52
TEMPORARY ACCESS (FE)

NB LANES
CONSTRUCT DRAINAGE STRUCTURES, GRADING,
AND PAVING (WITHOUT SURFACE COURSE)

STA 496+52
CONSTRUCT ENTIRE 24" RCCP
PIPE CULVERT & MH WITH TEMPORARY PIPE
DETAIL "B" ON SHEET 70

STA 509+20
CONSTRUCT EAST HALF
DOUBLE 48" RCCP PIPE CULVERT
DETAIL "B" ON SHEET 70

STA 511+36
CONSTRUCT ENTIRE 36" RCCP
PIPE CULVERT

10/5/2012




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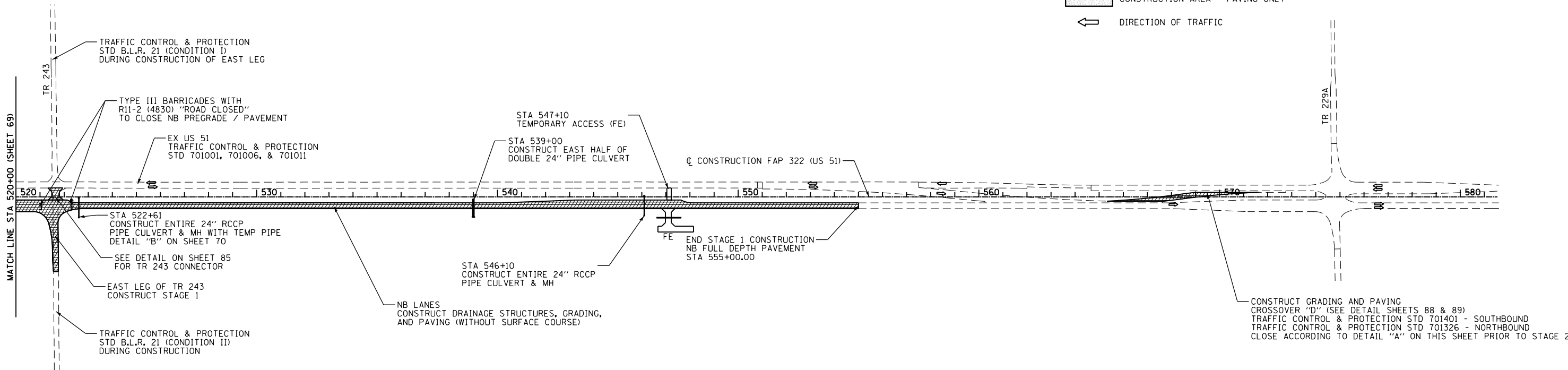
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	70
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

THE STAGE CONSTRUCTION SEQUENCE IS FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING AND EXECUTING THIS PROJECT WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

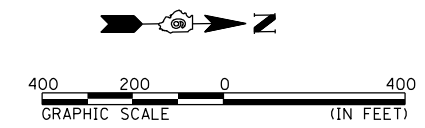
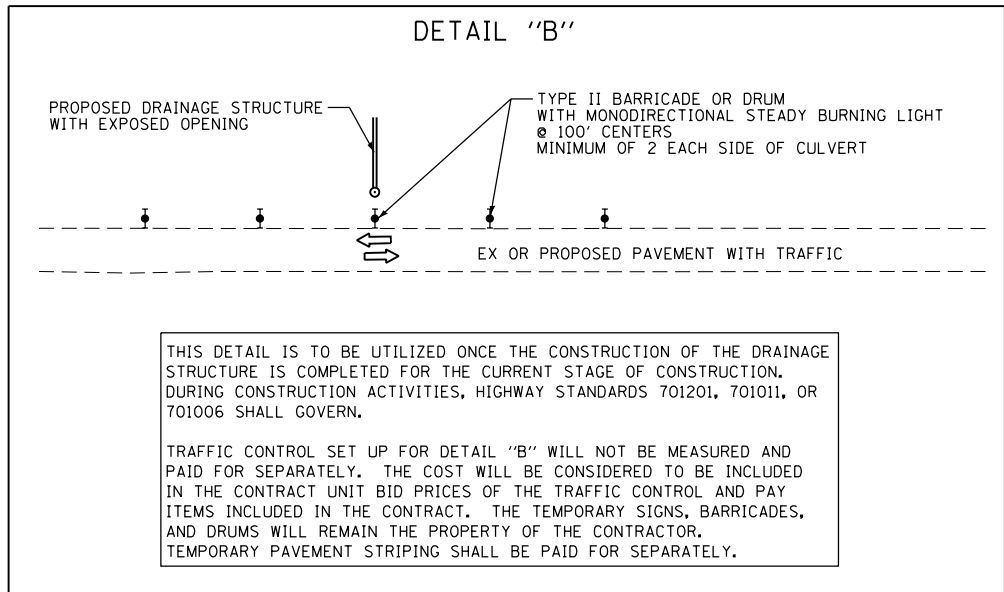
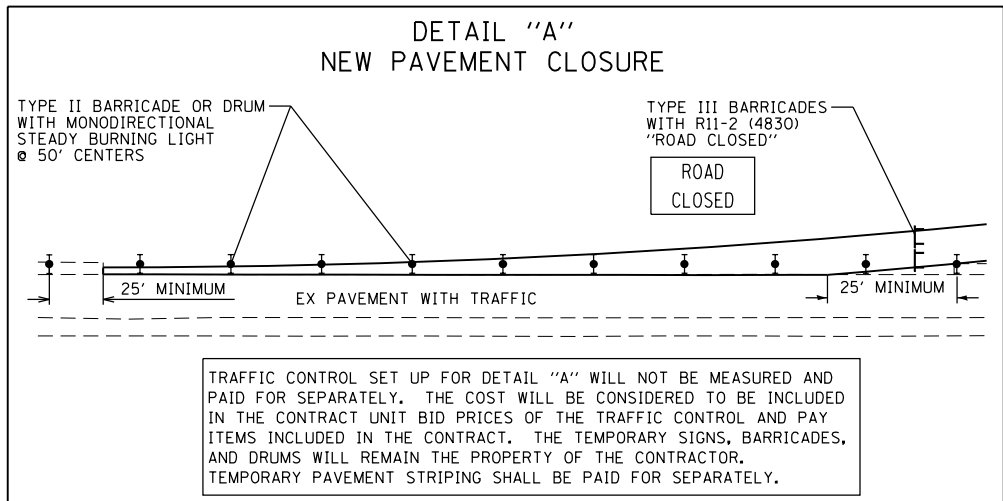
STAGE 1

LEGEND

-  CONSTRUCTION AREA - GRADING & PAVING
-  CONSTRUCTION AREA - PAVING ONLY
-  DIRECTION OF TRAFFIC



NOTE:
 AT ALL TIMES THE NEXT SIDE ROAD TO THE NORTH AND SOUTH OF A CLOSED SIDE ROAD SHALL REMAIN OPEN TO THROUGH TRAFFIC.
 PROVIDE ALL WEATHER ACCESS TO ALL PROPERTIES DURING CONSTRUCTION.
 PROVIDE TYPE III BARRICADES AS NEEDED TO CLOSE US 51 SOUTHBOUND OR NORTHBOUND LANES TO TRAFFIC EACH SIDE OF ENTRANCES AS NEEDED. COST OF BARRICADES TO BE INCLUDED IN THE PAY ITEMS FOR TRAFFIC CONTROL AND PROTECTION.



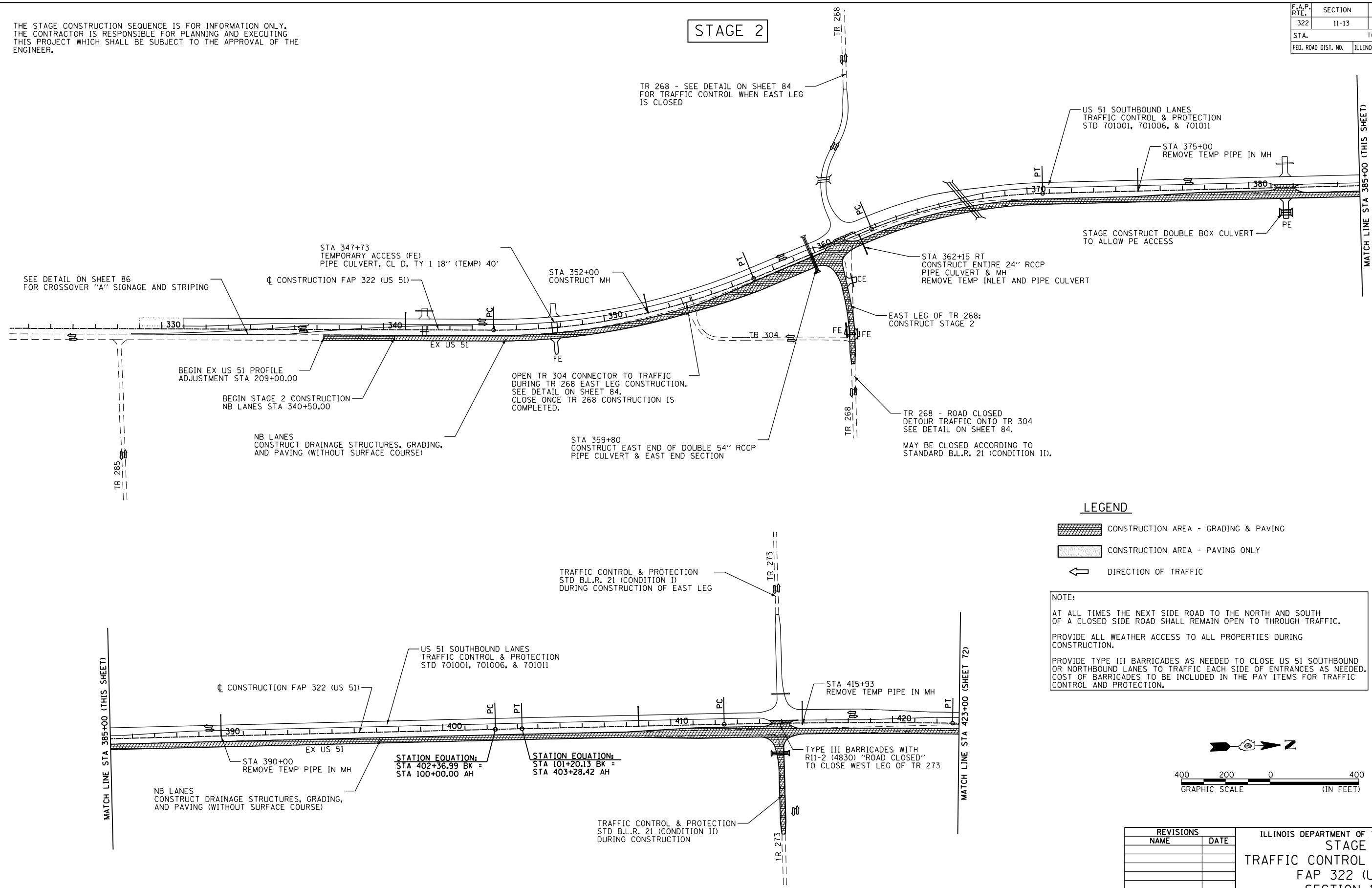
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION STAGE 1 TRAFFIC CONTROL AND STAGING FAP 322 (US 51) SECTION 11-13 CHRISTIAN COUNTY
NAME	DATE	
		SCALE: _____ DRAWN BY _____ DATE _____ CHECKED BY _____

10/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	71
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

THE STAGE CONSTRUCTION SEQUENCE IS FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING AND EXECUTING THIS PROJECT WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

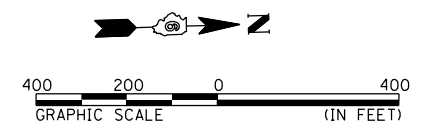
STAGE 2



LEGEND

- CONSTRUCTION AREA - GRADING & PAVING
- CONSTRUCTION AREA - PAVING ONLY
- DIRECTION OF TRAFFIC

NOTE:
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE 2
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

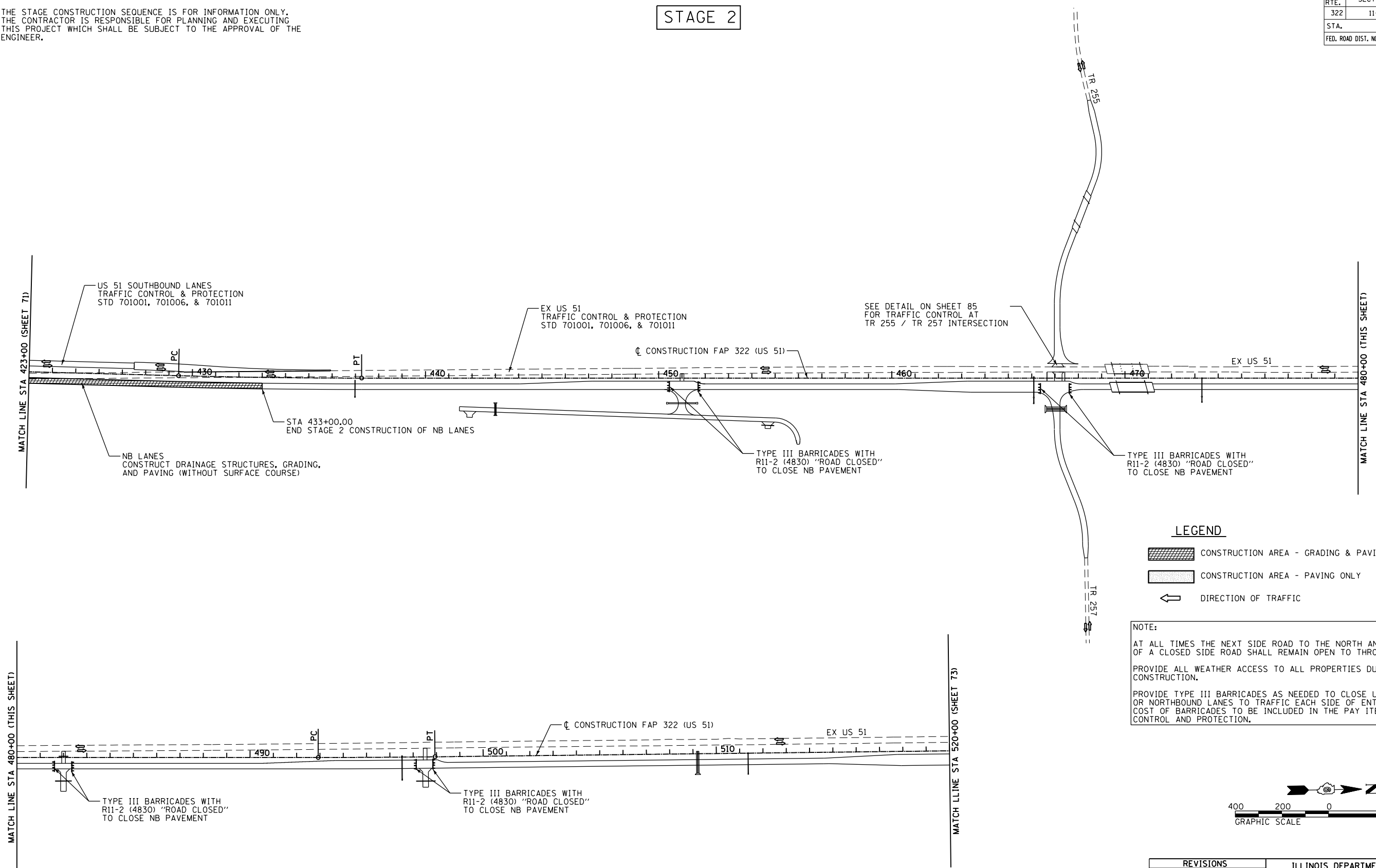
10/5/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	72
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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STAGE 2



LEGEND

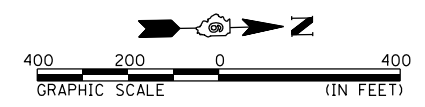
- CONSTRUCTION AREA - GRADING & PAVING
- CONSTRUCTION AREA - PAVING ONLY
- DIRECTION OF TRAFFIC

NOTE:

AT ALL TIMES THE NEXT SIDE ROAD TO THE NORTH AND SOUTH OF A CLOSED SIDE ROAD SHALL REMAIN OPEN TO THROUGH TRAFFIC.

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STAGE 2
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

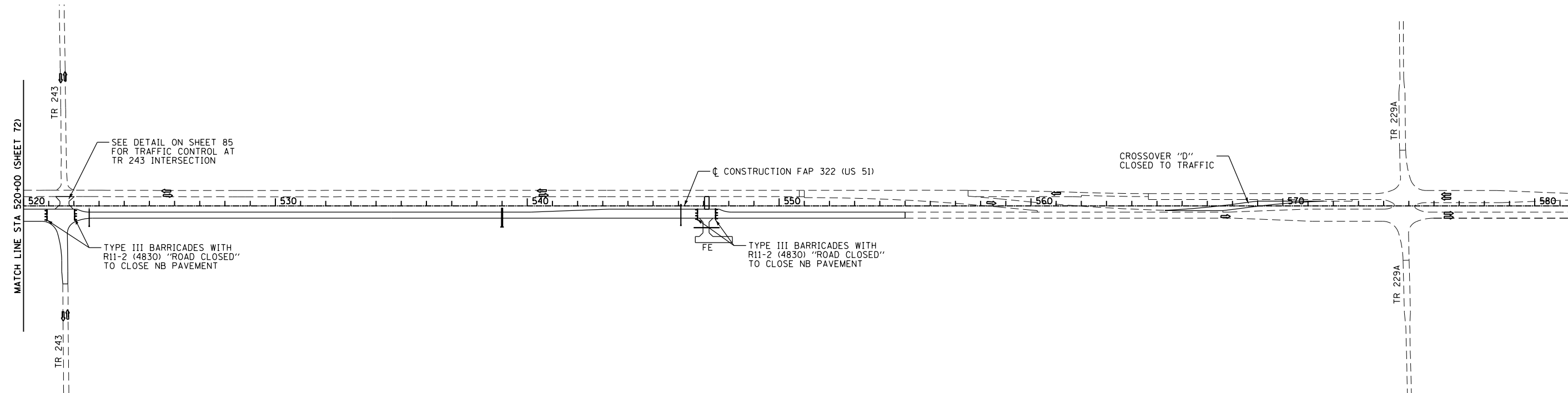
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 DATE _____ CHECKED BY _____

10/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	73
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	




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 THIS PROJECT WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE
 ENGINEER.

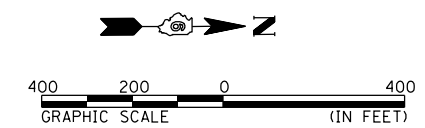
STAGE 2



NOTE:
 AT ALL TIMES THE NEXT SIDE ROAD TO THE NORTH AND SOUTH OF A CLOSED SIDE ROAD SHALL REMAIN OPEN TO THROUGH TRAFFIC.
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LEGEND

-  CONSTRUCTION AREA - GRADING & PAVING
-  CONSTRUCTION AREA - PAVING ONLY
-  DIRECTION OF TRAFFIC



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STAGE 2
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

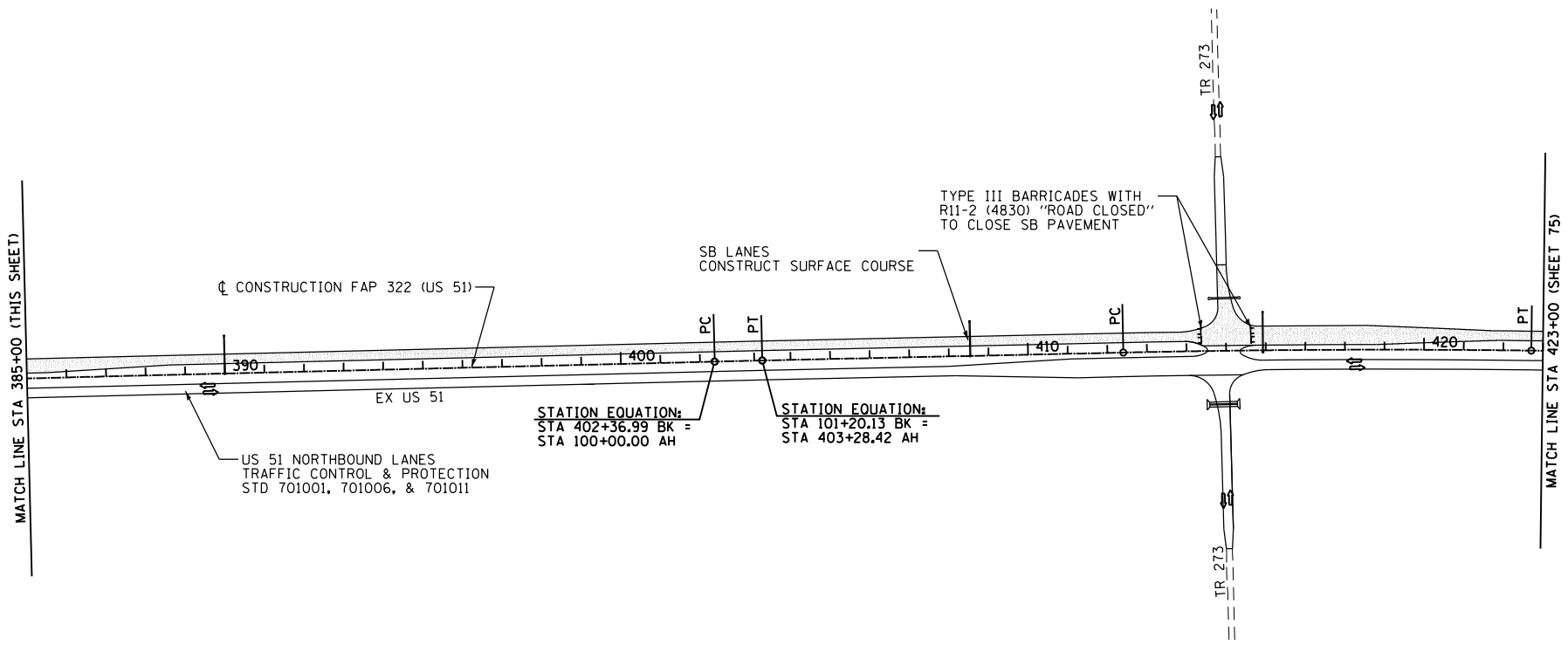
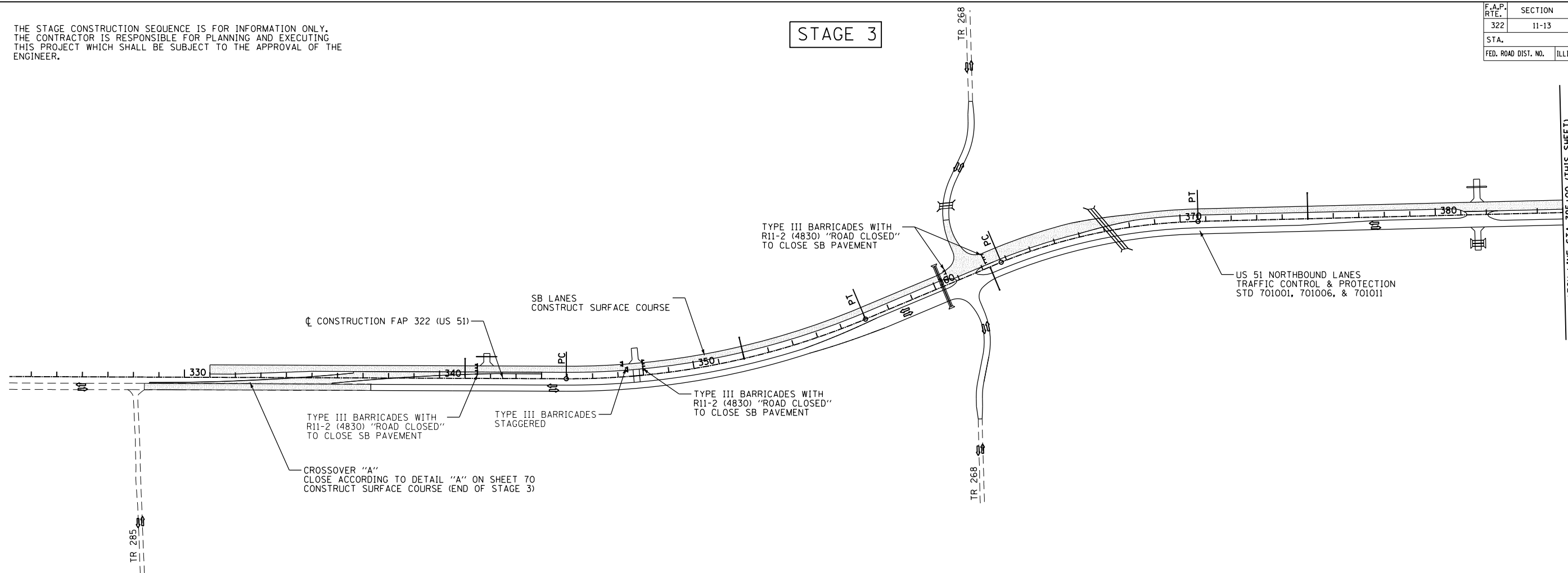
SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

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THE STAGE CONSTRUCTION SEQUENCE IS FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING AND EXECUTING THIS PROJECT WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

STAGE 3

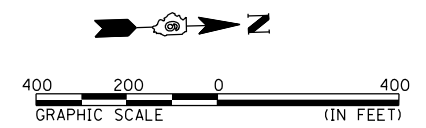
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	74
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



LEGEND

- CONSTRUCTION AREA - GRADING & PAVING
- CONSTRUCTION AREA - PAVING ONLY
- DIRECTION OF TRAFFIC

NOTE:
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STAGE 3
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

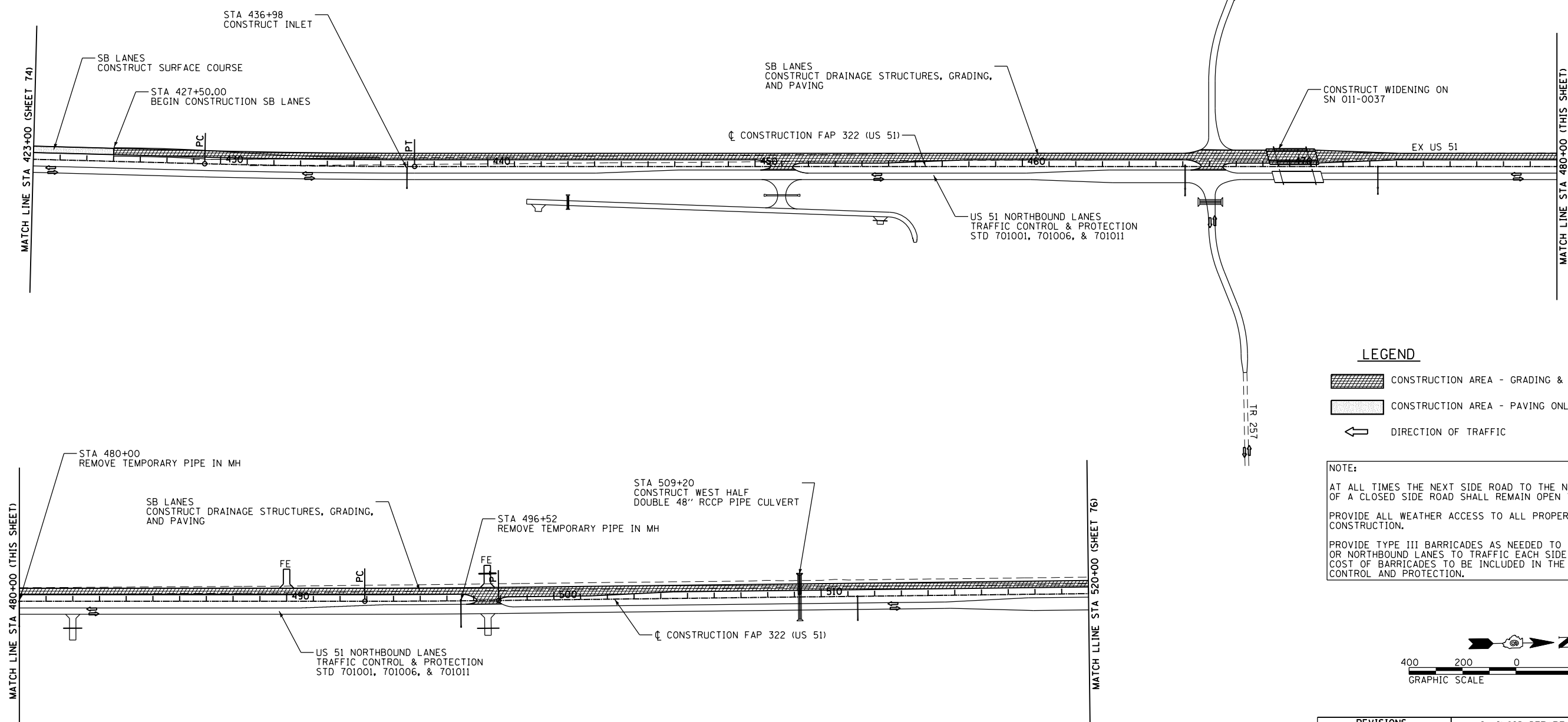
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	75
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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STAGE 3

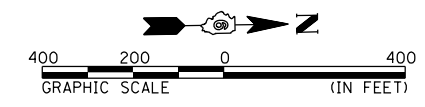
TR 255 - ROAD CLOSED
TRAFFIC CONTROL & PROTECTION
STD B.L.R. 21 (CONDITION II)
MUST BE OPEN WHILE TR 273 IS CLOSED



LEGEND

- CONSTRUCTION AREA - GRADING & PAVING
- CONSTRUCTION AREA - PAVING ONLY
- DIRECTION OF TRAFFIC

NOTE:
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE 3
TRAFFIC CONTROL AND STAGING
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

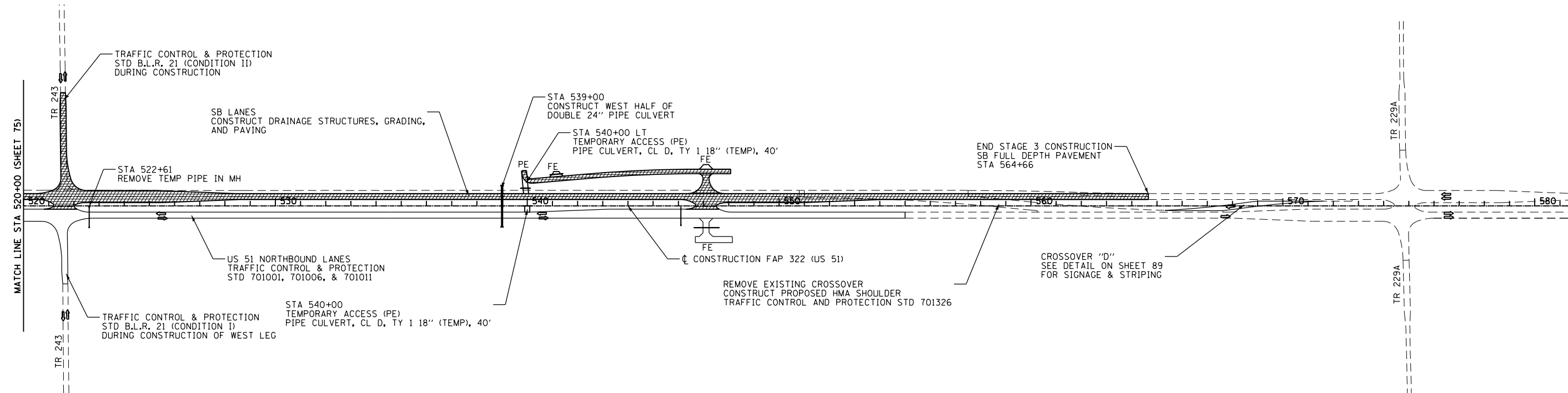
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DATE _____ CHECKED BY _____

10/5/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	76
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

THE STAGE CONSTRUCTION SEQUENCE IS FOR INFORMATION ONLY.
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 THIS PROJECT WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE
 ENGINEER.

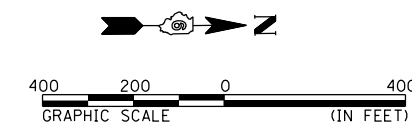
STAGE 3



LEGEND

- CONSTRUCTION AREA - GRADING & PAVING
- CONSTRUCTION AREA - PAVING ONLY
- DIRECTION OF TRAFFIC

NOTE:
 AT ALL TIMES THE NEXT SIDE ROAD TO THE NORTH AND SOUTH OF A CLOSED SIDE ROAD SHALL REMAIN OPEN TO THROUGH TRAFFIC.
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STAGE 3
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

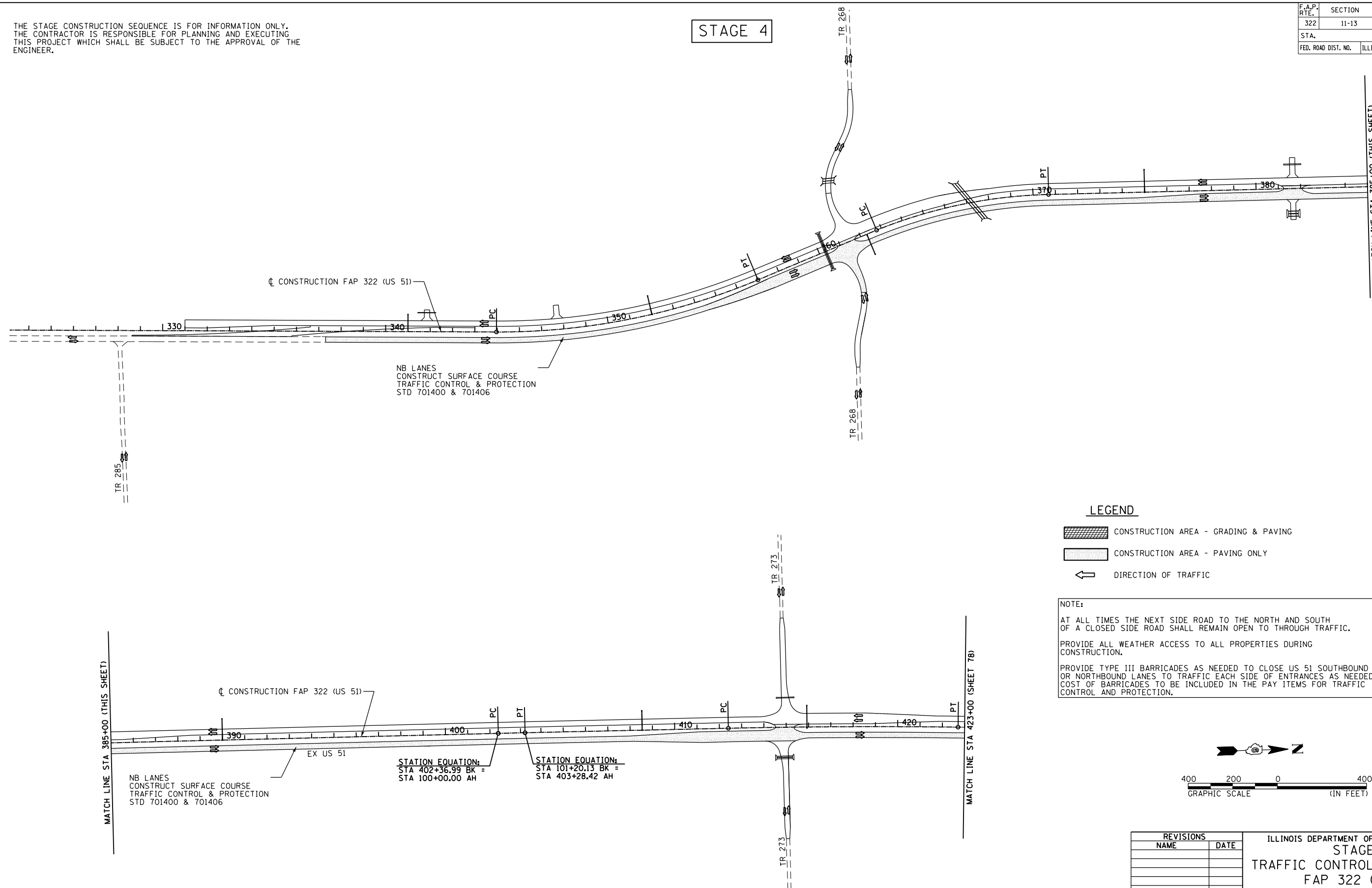
10/5/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	77
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

THE STAGE CONSTRUCTION SEQUENCE IS FOR INFORMATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR PLANNING AND EXECUTING THIS PROJECT WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

STAGE 4

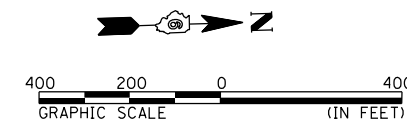


LEGEND

- CONSTRUCTION AREA - GRADING & PAVING
- CONSTRUCTION AREA - PAVING ONLY
- DIRECTION OF TRAFFIC

NOTE:

AT ALL TIMES THE NEXT SIDE ROAD TO THE NORTH AND SOUTH OF A CLOSED SIDE ROAD SHALL REMAIN OPEN TO THROUGH TRAFFIC.
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MATCH LINE STA 385+00 (THIS SHEET)

MATCH LINE STA 423+00 (SHEET 78)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STAGE 4
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

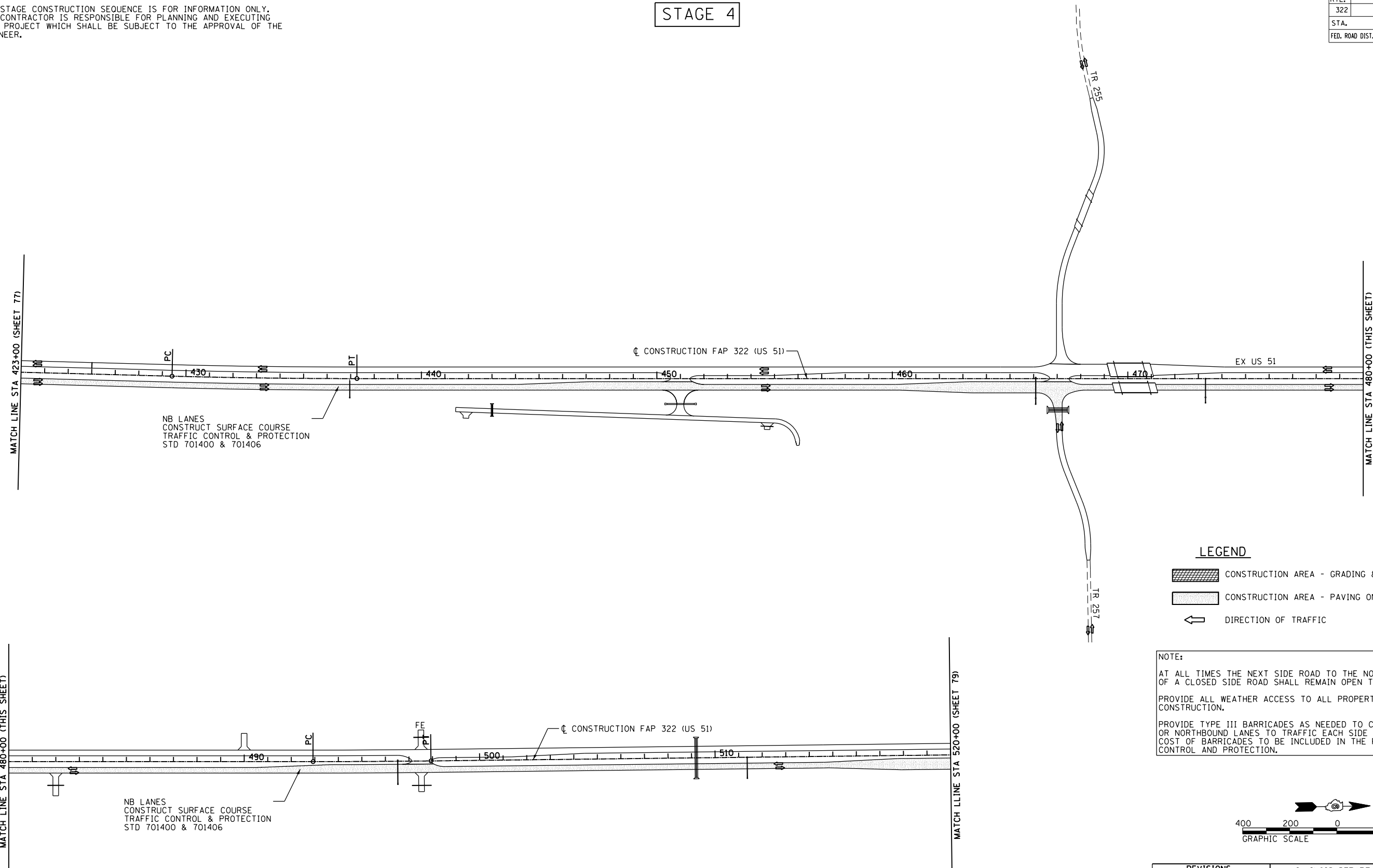
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	78
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

STAGE 4

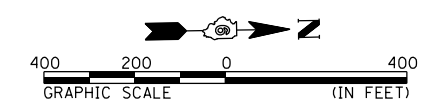
THE STAGE CONSTRUCTION SEQUENCE IS FOR INFORMATION ONLY.
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 ENGINEER.



LEGEND

-  CONSTRUCTION AREA - GRADING & PAVING
-  CONSTRUCTION AREA - PAVING ONLY
-  DIRECTION OF TRAFFIC

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STAGE 4
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

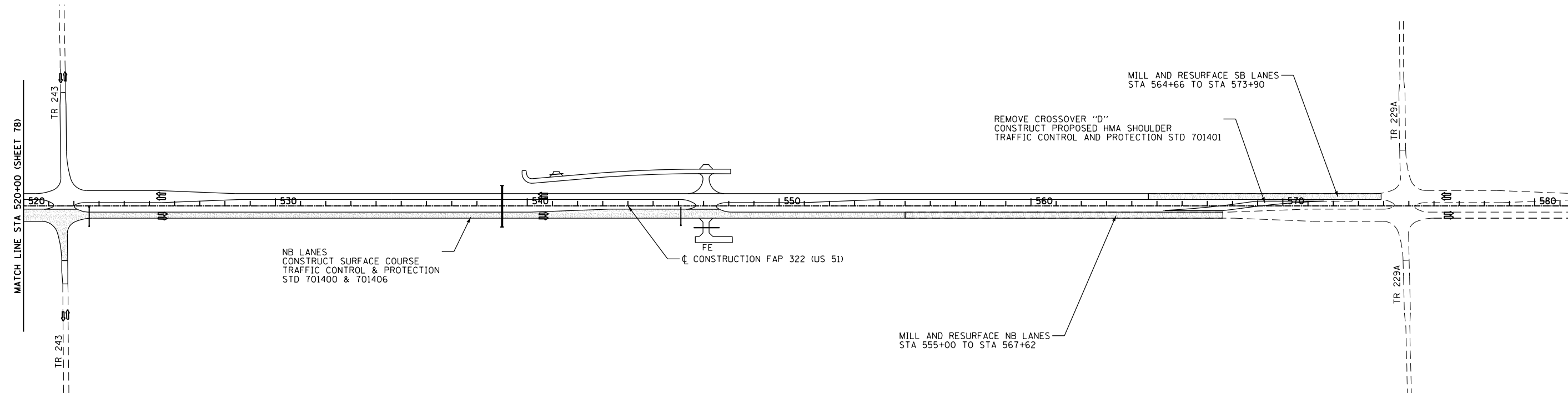
10/5/2012

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	79
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

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THIS PROJECT WHICH SHALL BE SUBJECT TO THE APPROVAL OF THE
ENGINEER.

STAGE 4

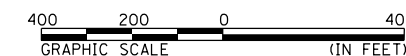
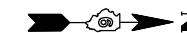


LEGEND

- CONSTRUCTION AREA - GRADING & PAVING
- CONSTRUCTION AREA - PAVING ONLY
- DIRECTION OF TRAFFIC

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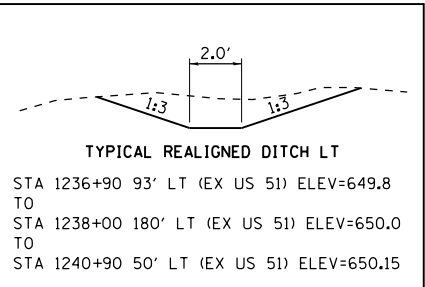


REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
STAGE 4
TRAFFIC CONTROL AND STAGING
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

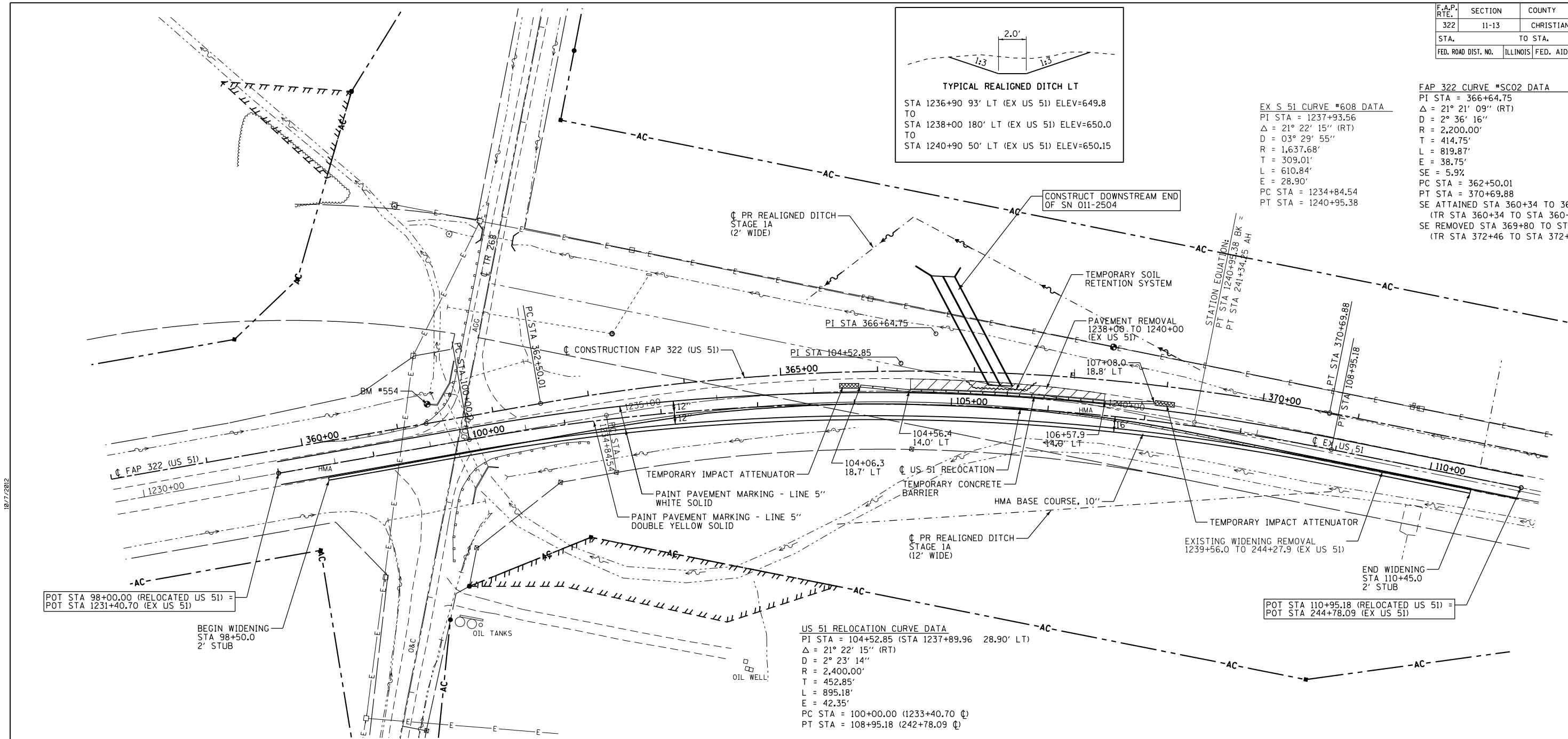
SCALE: _____ DRAWN BY _____
DATE _____ CHECKED BY _____

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	80
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



EX S 51 CURVE #608 DATA
 PI STA = 1237+93.56
 $\Delta = 21^\circ 22' 15''$ (RT)
 D = $03^\circ 29' 55''$
 R = 1,637.68'
 T = 309.01'
 L = 610.84'
 E = 28.90'
 PC STA = 1234+84.54
 PT STA = 1240+95.38

FAP 322 CURVE #SC02 DATA
 PI STA = 366+64.75
 $\Delta = 21^\circ 21' 09''$ (RT)
 D = $2^\circ 36' 16''$
 R = 2,200.00'
 T = 414.75'
 L = 819.87'
 E = 38.75'
 SE = 5.9%
 PC STA = 362+50.01
 PT STA = 370+69.88
 SE ATTAINED STA 360+34 TO 363+39
 (TR STA 360+34 TO STA 360+73)
 SE REMOVED STA 369+80 TO STA 372+85
 (TR STA 372+46 TO STA 372+85)

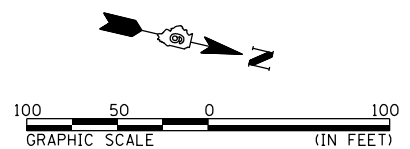
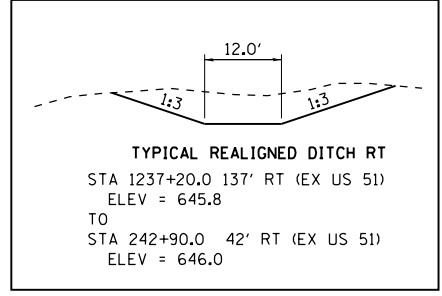
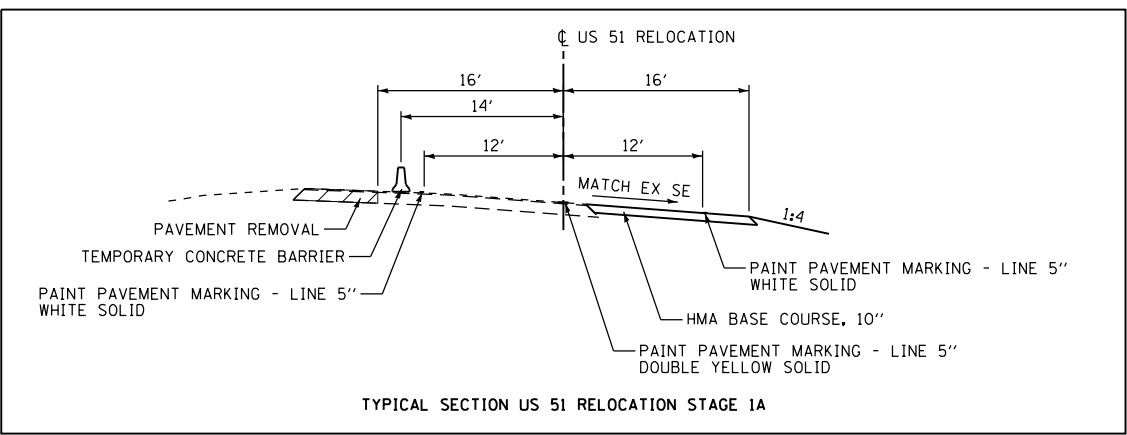


US 51 RELOCATION CURVE DATA
 PI STA = 104+52.85 (STA 1237+89.96 28.90' LT)
 $\Delta = 21^\circ 22' 15''$ (RT)
 D = $2^\circ 23' 14''$
 R = 2,400.00'
 T = 452.85'
 L = 895.18'
 E = 42.35'
 PC STA = 100+00.00 (1233+40.70 \odot)
 PT STA = 108+95.18 (242+78.09 \odot)

POT STA 98+00.00 (RELOCATED US 51) =
 POT STA 1231+40.70 (EX US 51)

BEGIN WIDENING
 STA 98+50.0
 2' STUB

POT STA 110+95.18 (RELOCATED US 51) =
 POT STA 244+78.09 (EX US 51)



REVISIONS	
NAME	DATE

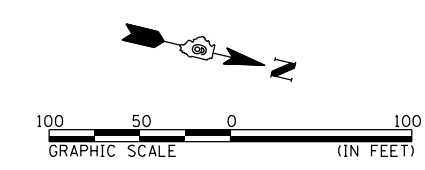
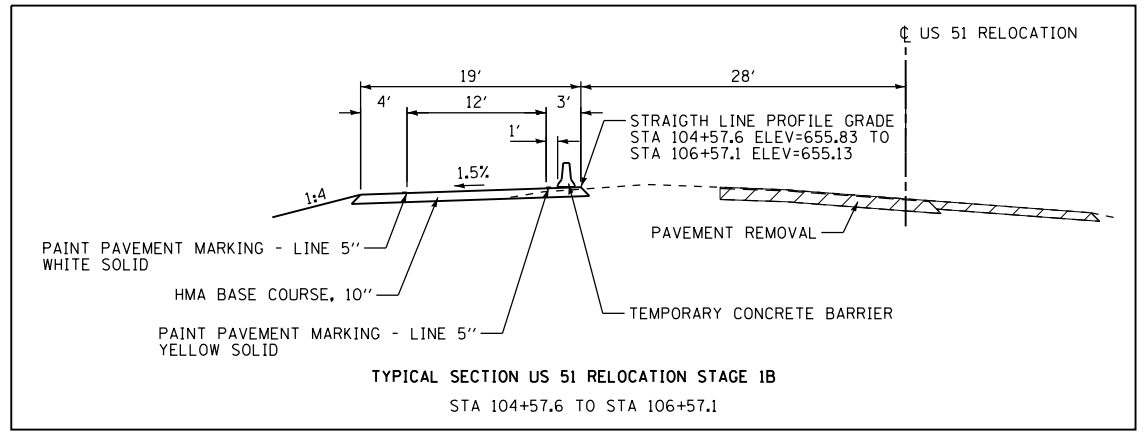
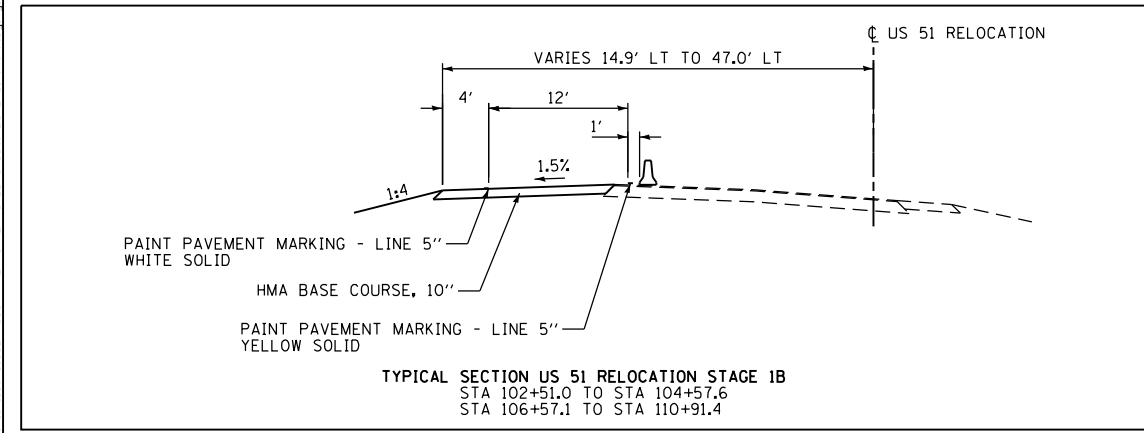
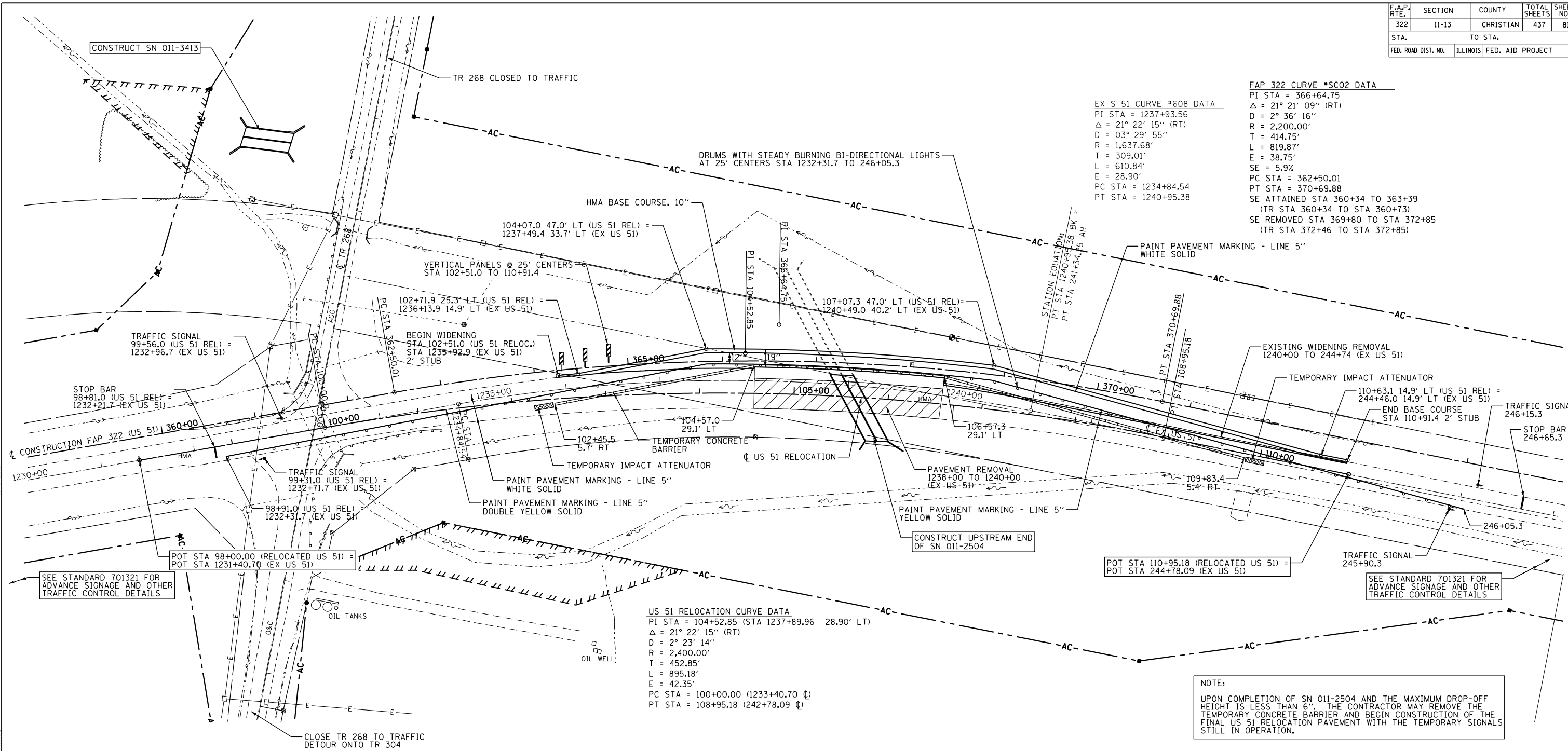
ILLINOIS DEPARTMENT OF TRANSPORTATION
 STAGE 1A PLAN
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: _____ DRAWN BY _____
 DATE _____ CHECKED BY _____

10/7/2012

8FILES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	81
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		STAGE 1B PLAN TRAFFIC CONTROL AND STAGING FAP 322 (US 51) SECTION 11-13 CHRISTIAN COUNTY
SCALE:	DATE	DRAWN BY
		CHECKED BY

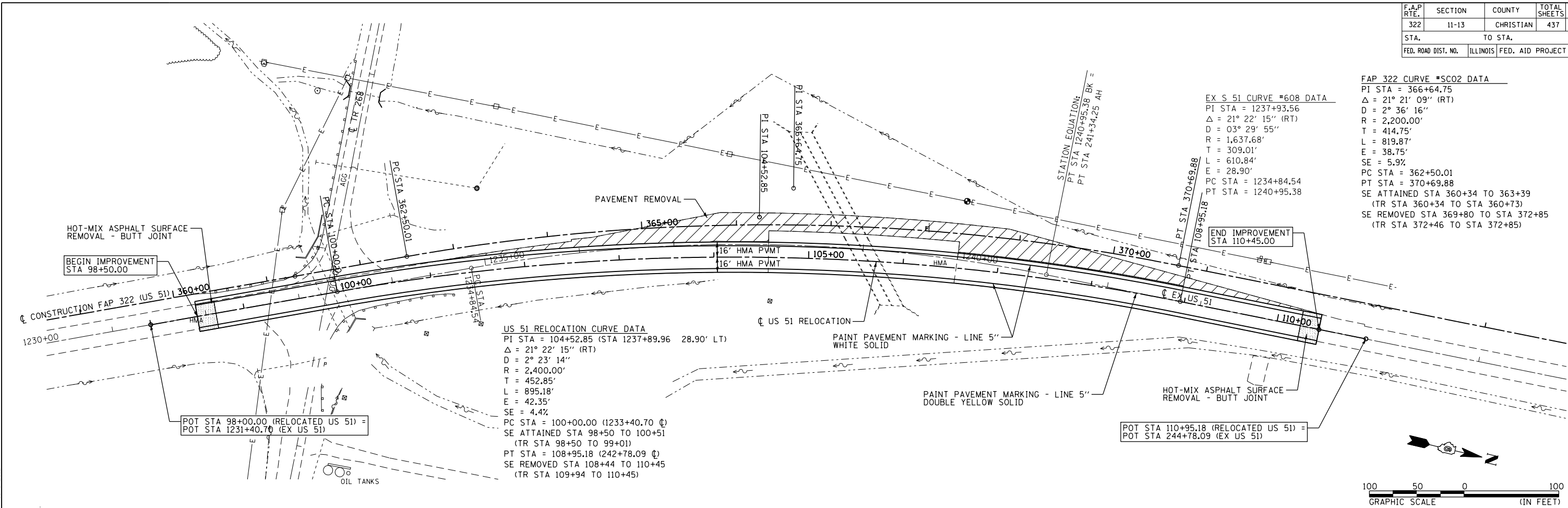
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	82
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

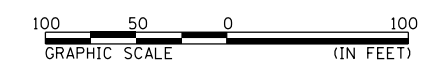
FAP 322 CURVE #SC02 DATA
 PI STA = 366+64.75
 $\Delta = 21^\circ 21' 09''$ (RT)
 $D = 2^\circ 36' 16''$
 $R = 2,200.00'$
 $T = 414.75'$
 $L = 819.87'$
 $E = 38.75'$
 $SE = 5.9\%$
 PC STA = 362+50.01
 PT STA = 370+69.88
 SE ATTAINED STA 360+34 TO 363+39
 (TR STA 360+34 TO STA 360+73)
 SE REMOVED STA 369+80 TO STA 372+85
 (TR STA 372+46 TO STA 372+85)

EX S 51 CURVE #608 DATA
 PI STA = 1237+93.56
 $\Delta = 21^\circ 22' 15''$ (RT)
 $D = 03^\circ 29' 55''$
 $R = 1,637.68'$
 $T = 309.01'$
 $L = 610.84'$
 $E = 28.90'$
 $SE = 5.9\%$
 PC STA = 1234+84.54
 PT STA = 1240+95.38

STATION EQUATION:
 PT STA 1240+95.38 BK =
 PT STA 241+34.25 AH

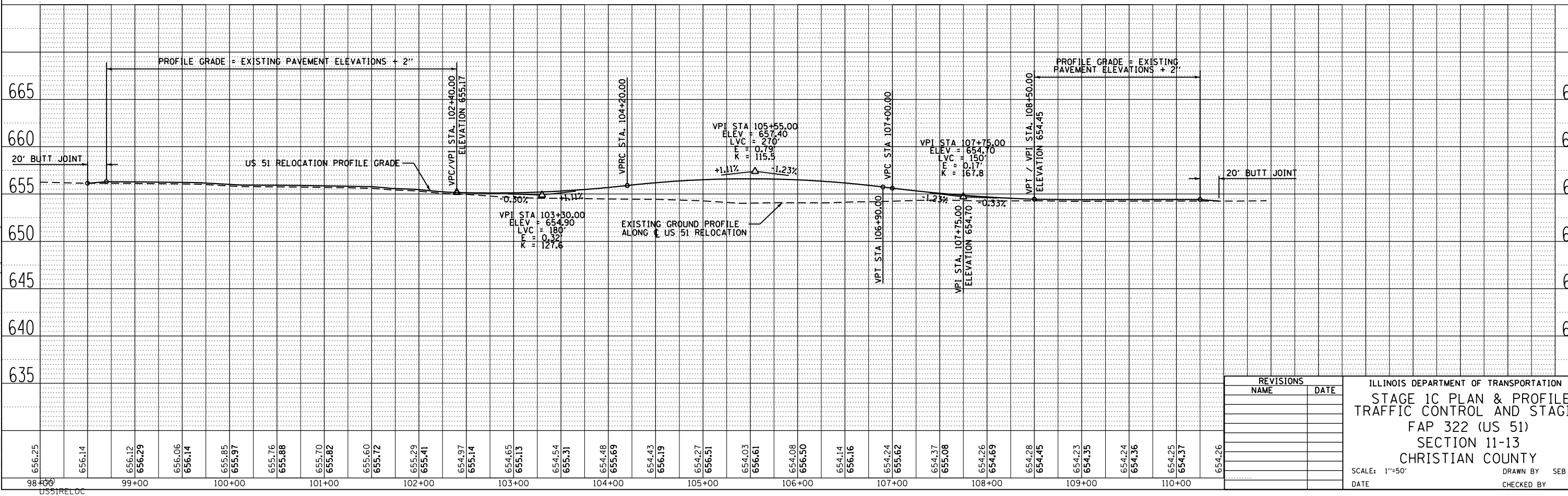


US 51 RELOCATION CURVE DATA
 PI STA = 104+52.85 (STA 1237+89.96 28.90' LT)
 $\Delta = 21^\circ 22' 15''$ (RT)
 $D = 2^\circ 23' 14''$
 $R = 2,400.00'$
 $T = 452.85'$
 $L = 895.18'$
 $E = 42.35'$
 $SE = 4.4\%$
 PC STA = 100+00.00 (1233+40.70 ϕ)
 SE ATTAINED STA 98+50 TO 100+51
 (TR STA 98+50 TO 99+01)
 PT STA = 108+95.18 (242+78.09 ϕ)
 SE REMOVED STA 108+44 TO 110+45
 (TR STA 109+94 TO 110+45)



PLAN	DATE
SURVEYED	
ALIGNED	
CHECKED	
BY	
NOTE BOOK NO.	

PROFILE	DATE
GRADES CHECKED	
BY	
NOTE BOOK NO.	



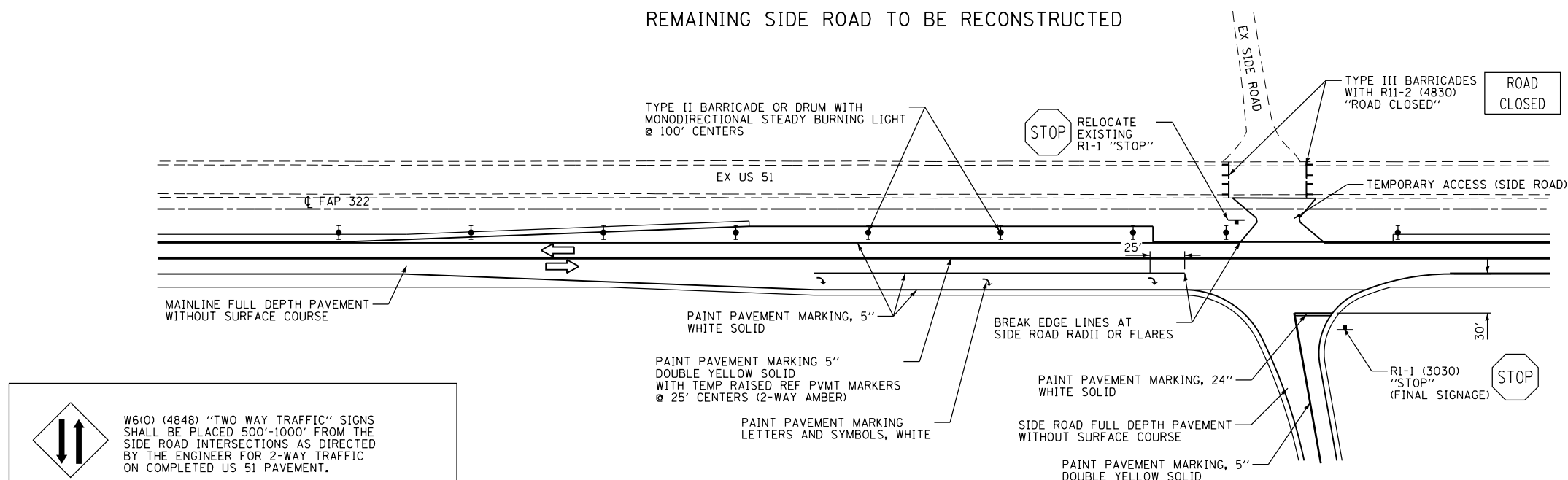
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STAGE 1C PLAN & PROFILE
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: 1"=50'
 DATE: _____ DRAWN BY: SEB
 CHECKED BY: _____

10/9/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	83
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TYPICAL STAGE 2 & 3 SIGNAGE & STRIPING PLAN
REMAINING SIDE ROAD TO BE RECONSTRUCTED



W6(O) (4848) "TWO WAY TRAFFIC" SIGNS SHALL BE PLACED 500'-1000' FROM THE SIDE ROAD INTERSECTIONS AS DIRECTED BY THE ENGINEER FOR 2-WAY TRAFFIC ON COMPLETED US 51 PAVEMENT.

W2-III5(O)-(3618) "WORK ZONE" AND R2-1-(3648) "SPEED LIMIT 45 MPH" SIGNS SHALL BE PLACED 250' FROM W6(O) SIGNS AS DIRECTED BY THE ENGINEER. 45 MPH SIGNS MAY BE REPLACED WITH 55 MPH SIGNS WHEN WORKERS ARE NOT PRESENT OR DURING SHUT-DOWN PERIODS WITH APPROVAL FROM THE ENGINEER.

WORK ZONE

SPEED LIMIT

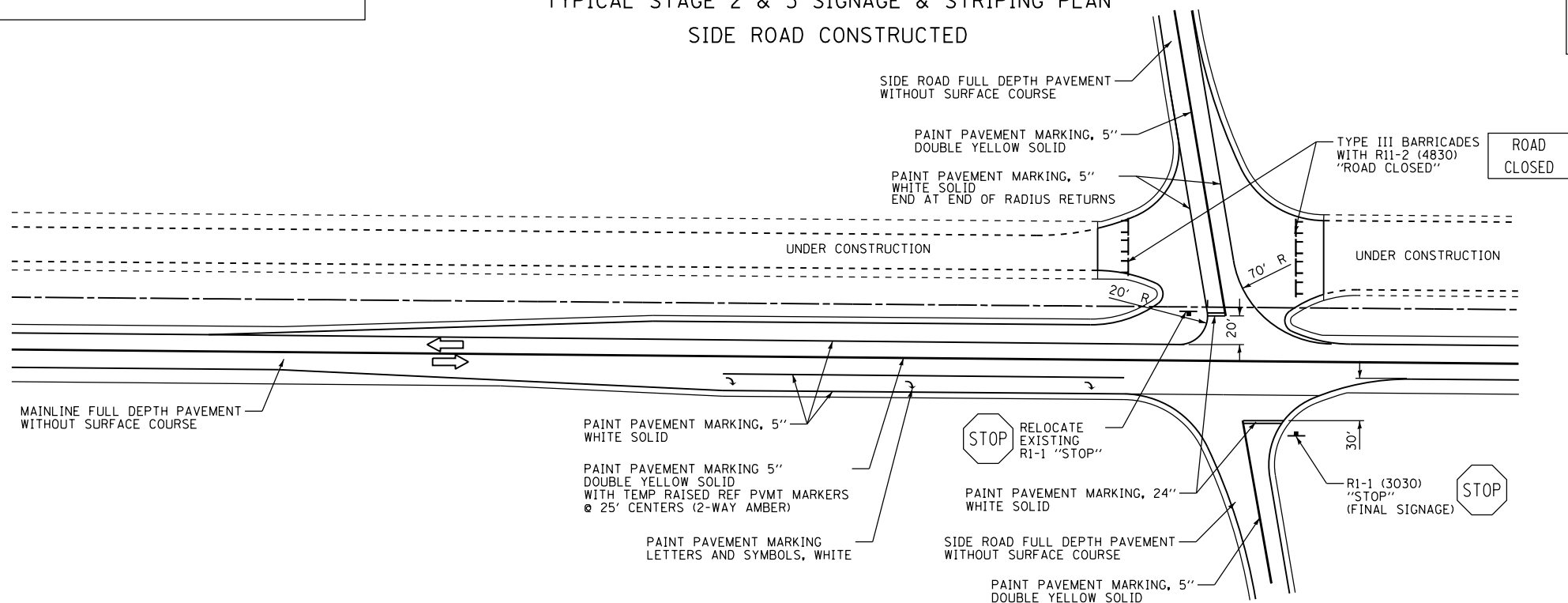
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NOTES:

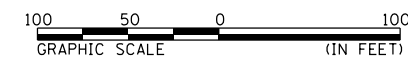
ALL SIGNS SHALL BE MOUNTED ACCORDING TO STANDARD 702001 OR METHOD APPROVED BY THE ENGINEER.

THE TRAFFIC CONTROL SET UP FOR SIDE ROAD INTERSECTIONS DURING STAGE CONSTRUCTION WILL NOT BE MEASURED AND PAID FOR SEPERATELY. THE COST WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT BID PRICES OF THE TRAFFIC CONTROL AND PAY ITEMS INCLUDED IN THE CONTRACT. THESE TEMPORARY SIGNS, BARRICADES, AND DRUMS WILL REMAIN THE PROPERTY OF THE CONTRACTOR. TEMPORARY PAVEMENT STRIPING SHALL BE PAID FOR SEPERATELY.

TYPICAL STAGE 2 & 3 SIGNAGE & STRIPING PLAN
SIDE ROAD CONSTRUCTED



SEE SIGNING & STRIPING PLAN SHEETS FOR STRIPING ON TOP LIFT OF FULL-DEPTH PAVEMENT.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND STAGING
SIGNAGE AND STRIPING
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: 1"=50' DRAWN BY: SEB
DATE: CHECKED BY:

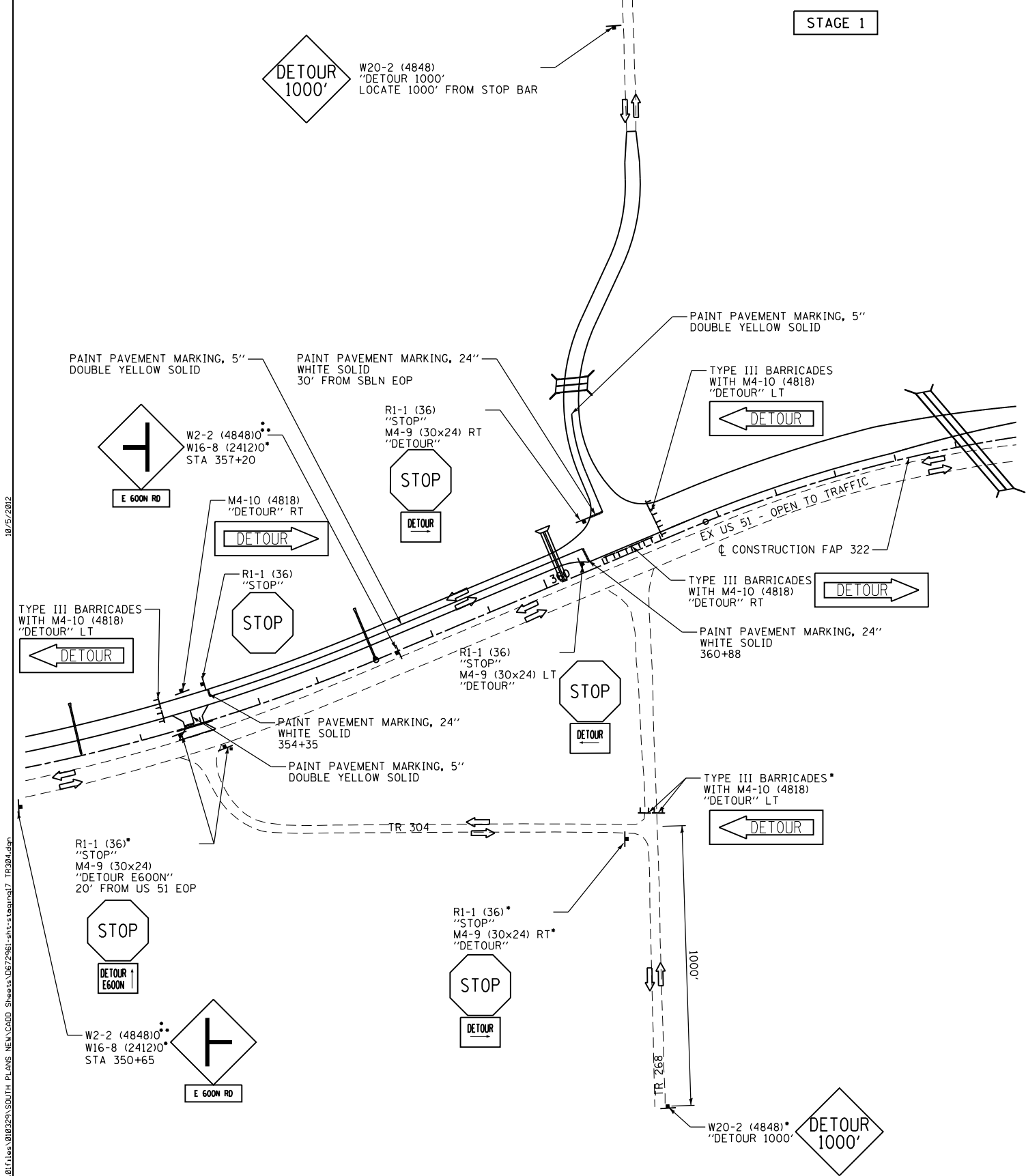
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TR 268 / TR 304 CONNECTOR STRIPING AND SIGNAGE

TR 304 CONNECTOR

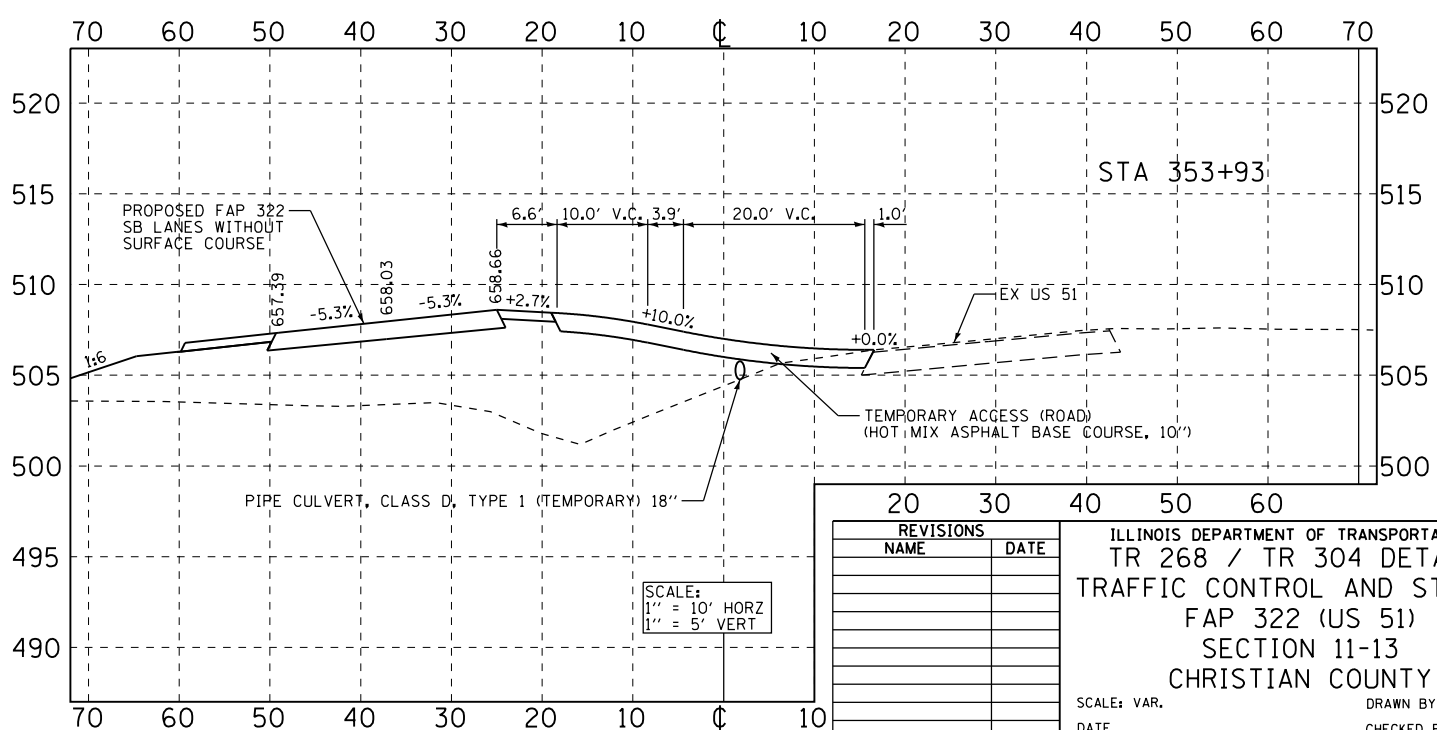
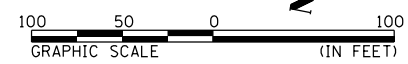
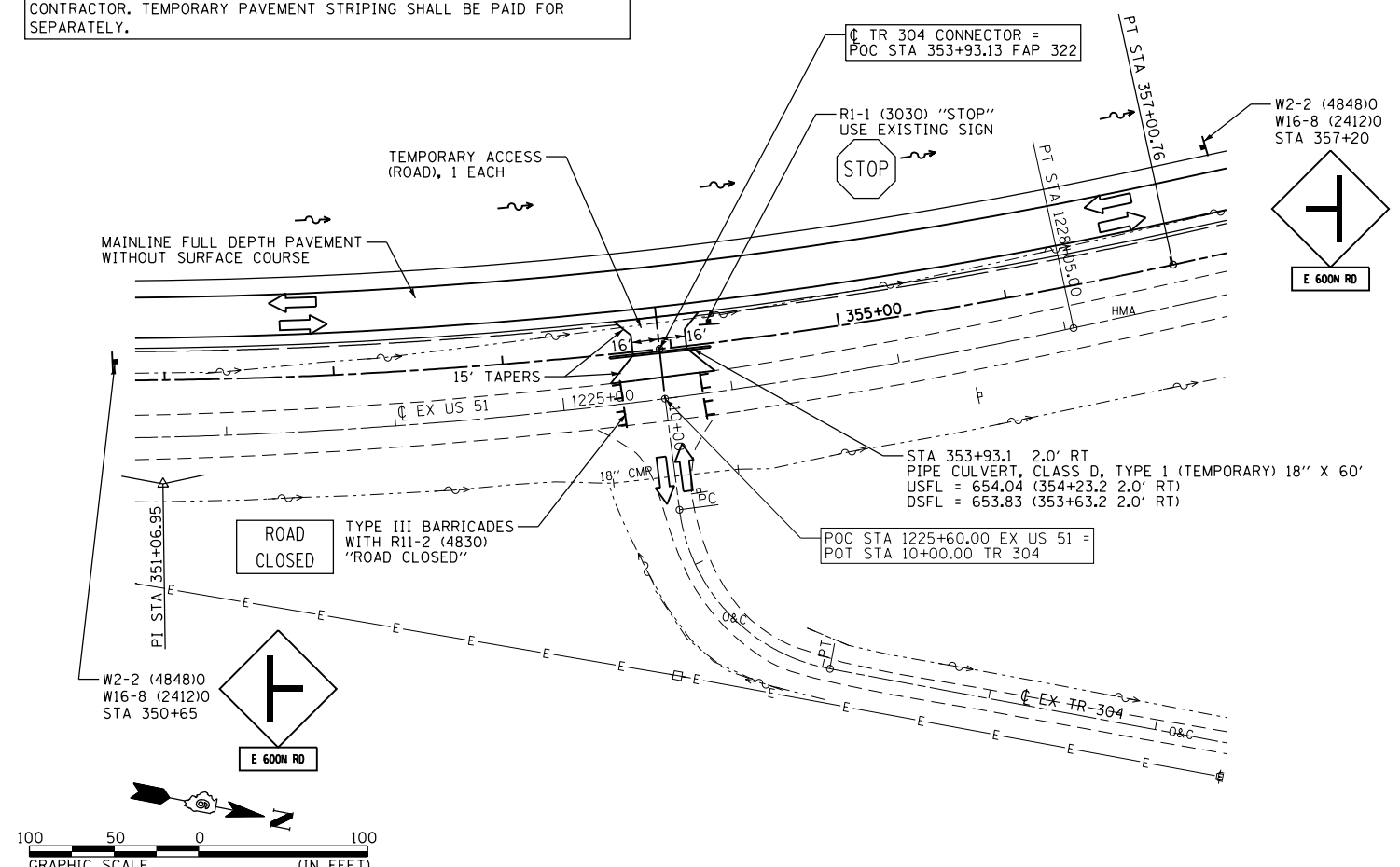
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	84
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

- - INSTALL FOR STAGE 1-B
- - REPLACE WITH W2-1(4848)0 ONCE WEST LEG OF TR 268 IS OPEN



TRAFFIC CONTROL SET UP FOR THIS DETAIL WILL NOT BE MEASURED AND PAID FOR SEPARATELY. THE COST WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT BID PRICES OF THE TRAFFIC CONTROL AND PAY ITEMS INCLUDED IN THE CONTRACT. THE TEMPORARY SIGNS, BARRICADES, AND DRUMS WILL REMAIN THE PROPERTY OF THE CONTRACTOR. TEMPORARY PAVEMENT STRIPING SHALL BE PAID FOR SEPARATELY.

STAGE 2 TRAFFIC CONTROL SHOWN



REVISIONS	
NAME	DATE

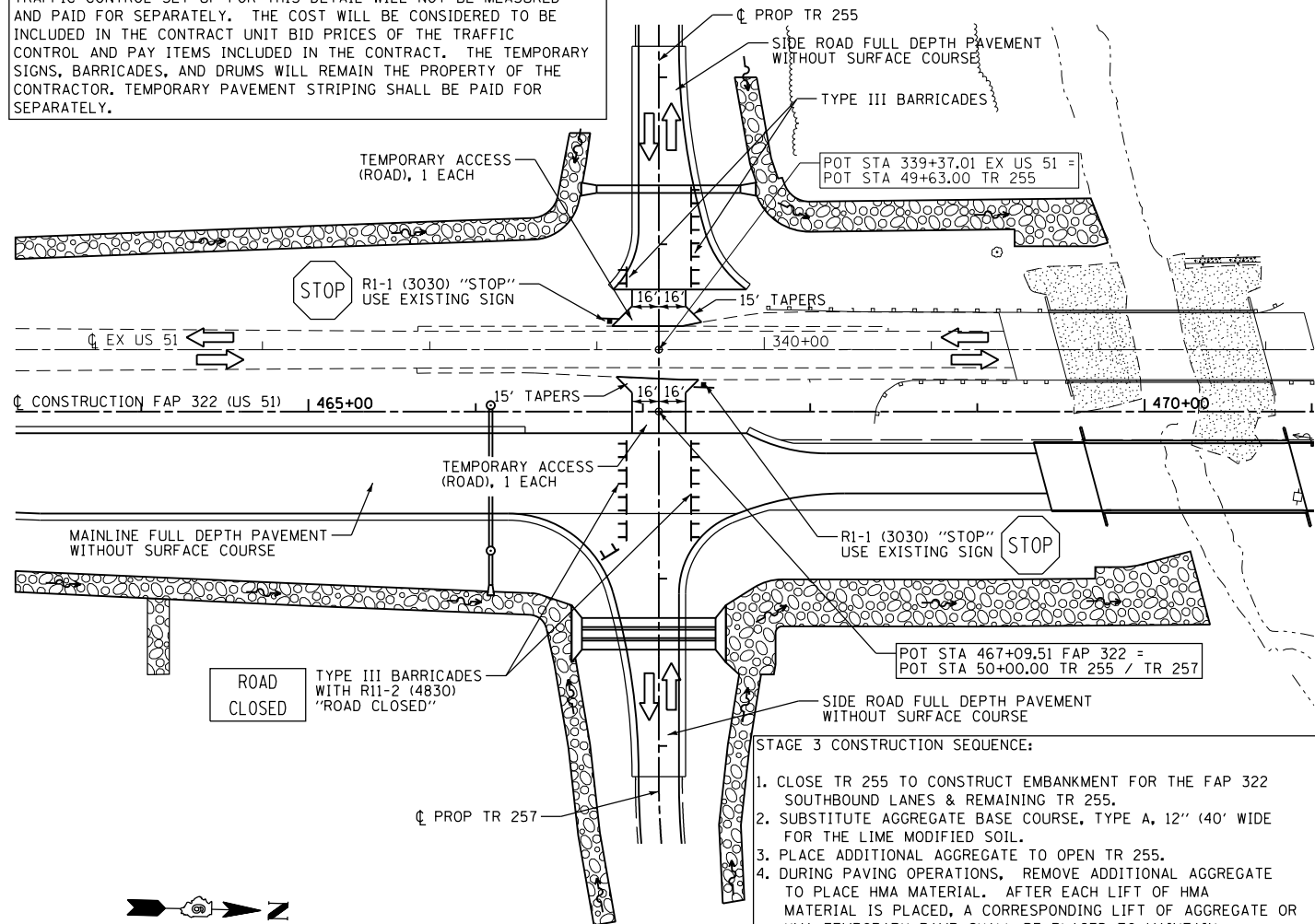
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TR 268 / TR 304 DETAILS
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: VAR.
 DATE: _____
 DRAWN BY: SEB
 CHECKED BY: _____

10/5/2012
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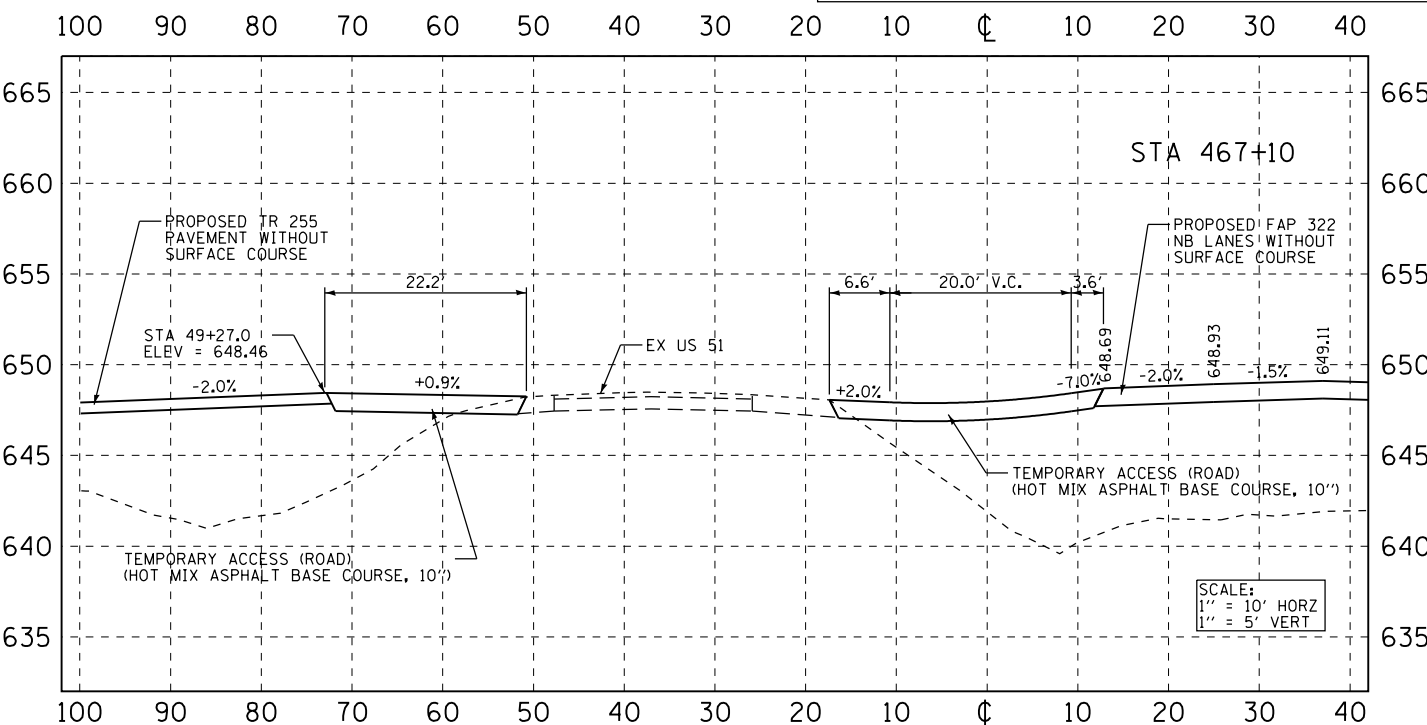
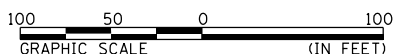
TR 255 / TR 257

STAGE 2 TRAFFIC

TRAFFIC CONTROL SET UP FOR THIS DETAIL WILL NOT BE MEASURED AND PAID FOR SEPARATELY. THE COST WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT BID PRICES OF THE TRAFFIC CONTROL AND PAY ITEMS INCLUDED IN THE CONTRACT. THE TEMPORARY SIGNS, BARRICADES, AND DRUMS WILL REMAIN THE PROPERTY OF THE CONTRACTOR. TEMPORARY PAVEMENT STRIPING SHALL BE PAID FOR SEPARATELY.



- STAGE 3 CONSTRUCTION SEQUENCE:
1. CLOSE TR 255 TO CONSTRUCT EMBANKMENT FOR THE FAP 322 SOUTHBOUND LANES & REMAINING TR 255.
 2. SUBSTITUTE AGGREGATE BASE COURSE, TYPE A, 12" (40' WIDE FOR THE LIME MODIFIED SOIL.
 3. PLACE ADDITIONAL AGGREGATE TO OPEN TR 255.
 4. DURING PAVING OPERATIONS, REMOVE ADDITIONAL AGGREGATE TO PLACE HMA MATERIAL. AFTER EACH LIFT OF HMA MATERIAL IS PLACED, A CORRESPONDING LIFT OF AGGREGATE OR HMA TEMPORARY RAMP SHALL BE PLACED TO MAINTAIN TRAFFIC ON TR 255 ONCE PAVING OPERATIONS HAVE CONTINUED PAST THE INTERSECTION. THIS WORK AND MATERIAL IN STEP 4 SHALL BE INCLUDED IN THE PAY ITEM "TEMPORARY ACCESS (ROAD)".

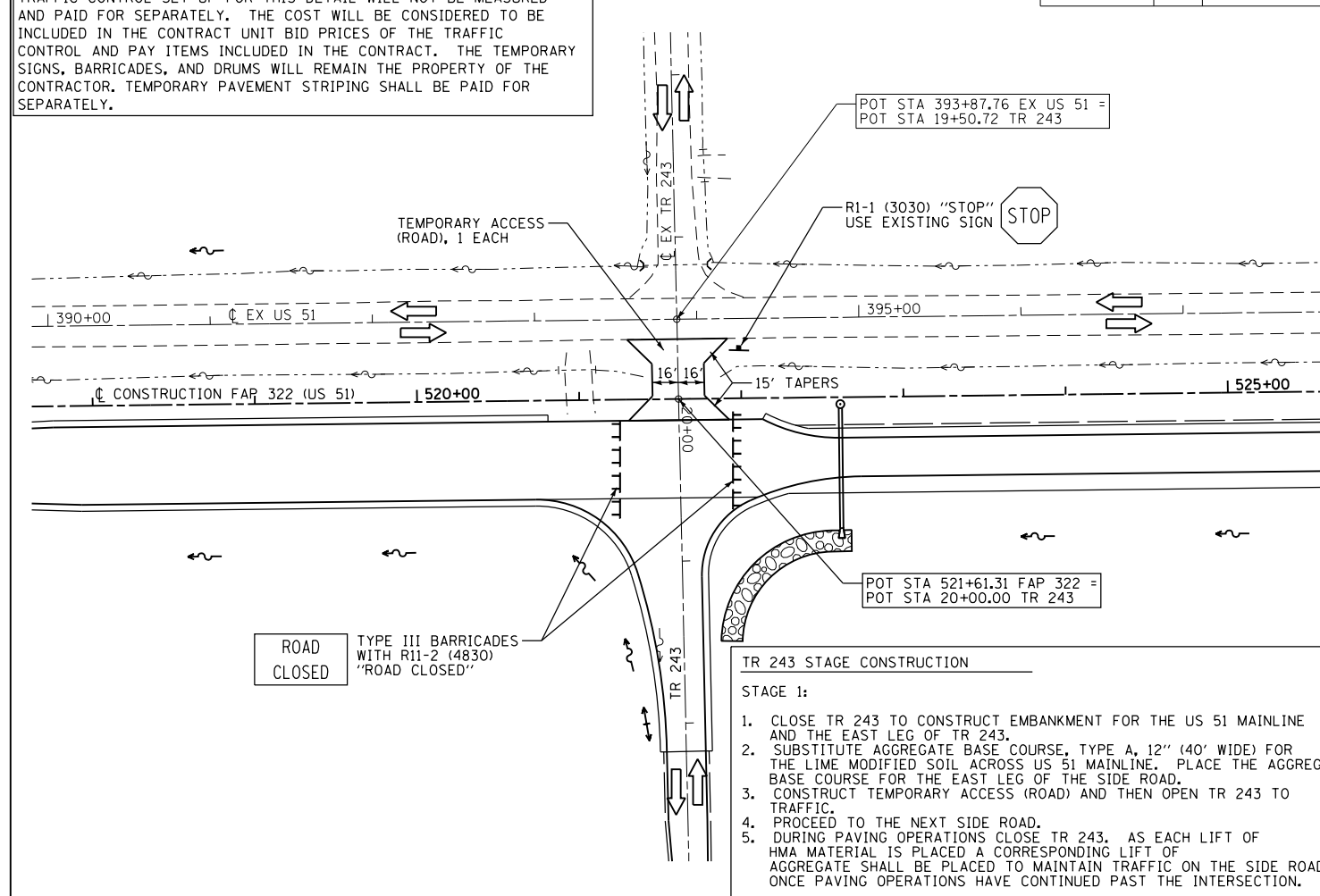


SCALE:
1" = 10' HORZ
1" = 5' VERT

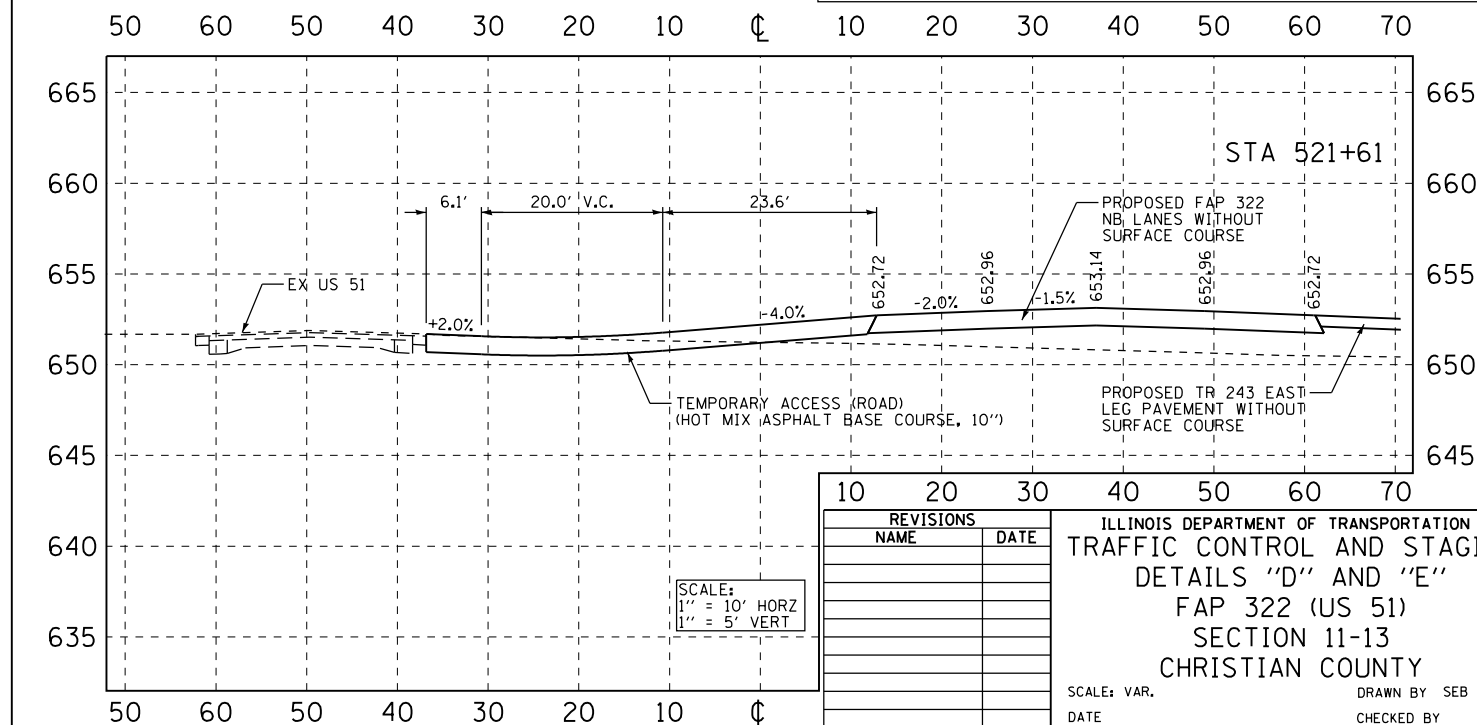
TR 243

STAGE 2 TRAFFIC

TRAFFIC CONTROL SET UP FOR THIS DETAIL WILL NOT BE MEASURED AND PAID FOR SEPARATELY. THE COST WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT BID PRICES OF THE TRAFFIC CONTROL AND PAY ITEMS INCLUDED IN THE CONTRACT. THE TEMPORARY SIGNS, BARRICADES, AND DRUMS WILL REMAIN THE PROPERTY OF THE CONTRACTOR. TEMPORARY PAVEMENT STRIPING SHALL BE PAID FOR SEPARATELY.



- TR 243 STAGE CONSTRUCTION
- STAGE 1:
1. CLOSE TR 243 TO CONSTRUCT EMBANKMENT FOR THE US 51 MAINLINE AND THE EAST LEG OF TR 243.
 2. SUBSTITUTE AGGREGATE BASE COURSE, TYPE A, 12" (40' WIDE) FOR THE LIME MODIFIED SOIL ACROSS US 51 MAINLINE. PLACE THE AGGREGATE BASE COURSE FOR THE EAST LEG OF THE SIDE ROAD.
 3. CONSTRUCT TEMPORARY ACCESS (ROAD) AND THEN OPEN TR 243 TO TRAFFIC.
 4. PROCEED TO THE NEXT SIDE ROAD.
 5. DURING PAVING OPERATIONS CLOSE TR 243. AS EACH LIFT OF HMA MATERIAL IS PLACED A CORRESPONDING LIFT OF AGGREGATE SHALL BE PLACED TO MAINTAIN TRAFFIC ON THE SIDE ROAD ONCE PAVING OPERATIONS HAVE CONTINUED PAST THE INTERSECTION.
- STAGE 2:
FOLLOW THE SEQUENCE DETAILED IN STAGE 1 FOR THE WEST LEG OF THE INTERSECTION



SCALE:
1" = 10' HORZ
1" = 5' VERT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND STAGING
DETAILS "D" AND "E"
FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY
SCALE: VAR. DRAWN BY SEB
DATE CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	85
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TEMPORARY PAVEMENT MARKING & SIGNAGE

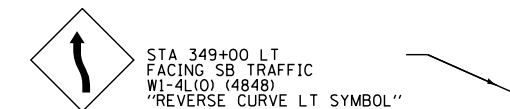
STAGE 2

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	86
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTES:
 ALL SIGNS SHALL BE MOUNTED ACCORDING TO STANDARD 702001 OR METHOD APPROVED BY THE ENGINEER.
 TRAFFIC CONTROL SET UP FOR THIS DETAIL WILL NOT BE MEASURED AND PAID FOR SEPARATELY. THE COST WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT BID PRICES OF THE TRAFFIC CONTROL AND PAY ITEMS INCLUDED IN THE CONTRACT. THE TEMPORARY SIGNS, BARRICADES, AND DRUMS WILL REMAIN THE PROPERTY OF THE CONTRACTOR. TEMPORARY PAVEMENT STRIPING SHALL BE PAID FOR SEPARATELY.

CROSSOVER "A" CURVE #1 DATA
 PI STA = 53+85.15
 = 332+48.10 37.00' RT FAP 322
 $\Delta = 5^\circ 30' 46''$ (LT)
 $D = 0^\circ 42' 58''$
 $R = 8,000.00'$
 $T = 385.15'$
 $L = 769.71'$
 $E = 9.27'$
 PC STA = 50+00.00
 = 328+62.95 37.00' RT FAP 322
 PT STA = 57+69.71
 = 336+31.47 0.00' RT FAP 322
 SE TRANSITION:
 STA 57+15.07 (-1.5%) TO STA 58+02.34 (+1.5%)

CROSSOVER "A" CURVE #2 DATA
 PI STA = 61+54.87
 = 340+14.85 37.00' LT FAP 322
 $\Delta = 5^\circ 30' 46''$ (LT)
 $D = 0^\circ 42' 58''$
 $R = 8,000.00'$
 $T = 385.15'$
 $L = 769.71'$
 $E = 9.27'$
 PC STA = 57+69.71
 = 336+31.47 0.00' RT FAP 322
 PT STA = 65+39.42
 = 344+00.00 37.00' LT FAP 322
 SE TRANSITION:
 STA 57+15.07 (-1.5%) TO STA 58+02.34 (+1.5%)

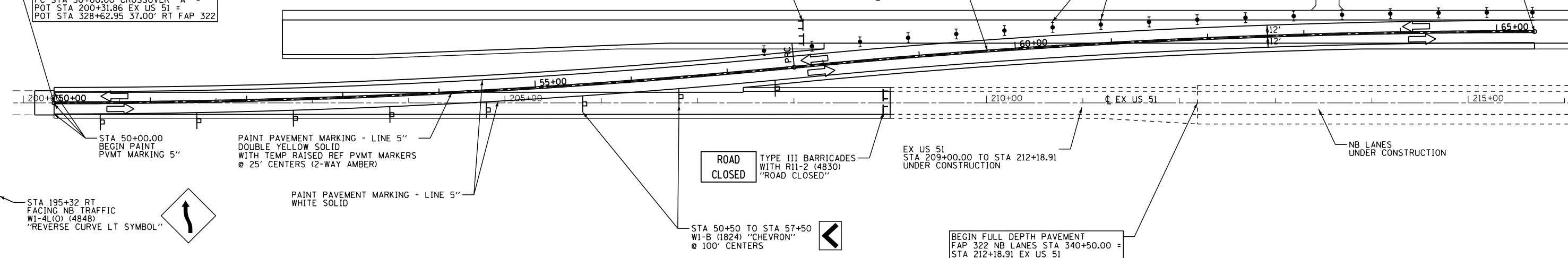


END CROSSOVER "A"
 PT STA 65+39.42 CROSSOVER "A" =
 POC STA 344+00.00 37.00' LT FAP 322

ROAD CLOSED TYPE III BARRICADES WITH R11-2 (4830) "ROAD CLOSED"

STA 57+40 TO STA 65+40 TYPE II BARRICADE OR DRUM WITH MONODIRECTIONAL STEADY BURNING LIGHT @ 50' CENTERS

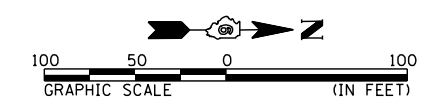
BEGIN CROSSOVER "A"
 PC STA 50+00.00 CROSSOVER "A" =
 POT STA 200+31.86 EX US 51 =
 POT STA 328+62.95 37.00' RT FAP 322



ROAD CLOSED TYPE III BARRICADES WITH R11-2 (4830) "ROAD CLOSED"

EX US 51 STA 209+00.00 TO STA 212+18.91 UNDER CONSTRUCTION

BEGIN FULL DEPTH PAVEMENT FAP 322 NB LANES STA 340+50.00 = STA 212+18.91 EX US 51



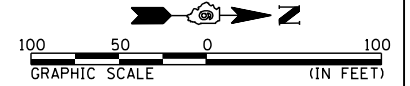
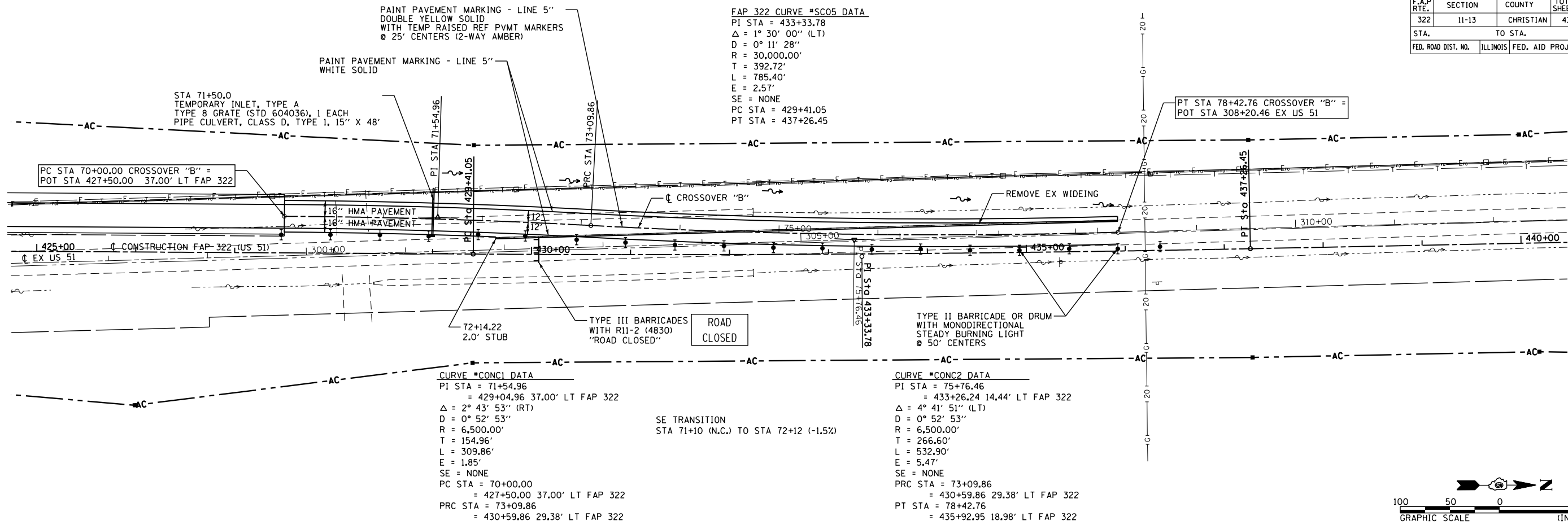
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 CROSSOVER "A" DETAILS
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: 1"=50'
 DATE _____ DRAWN BY SEB
 CHECKED BY _____

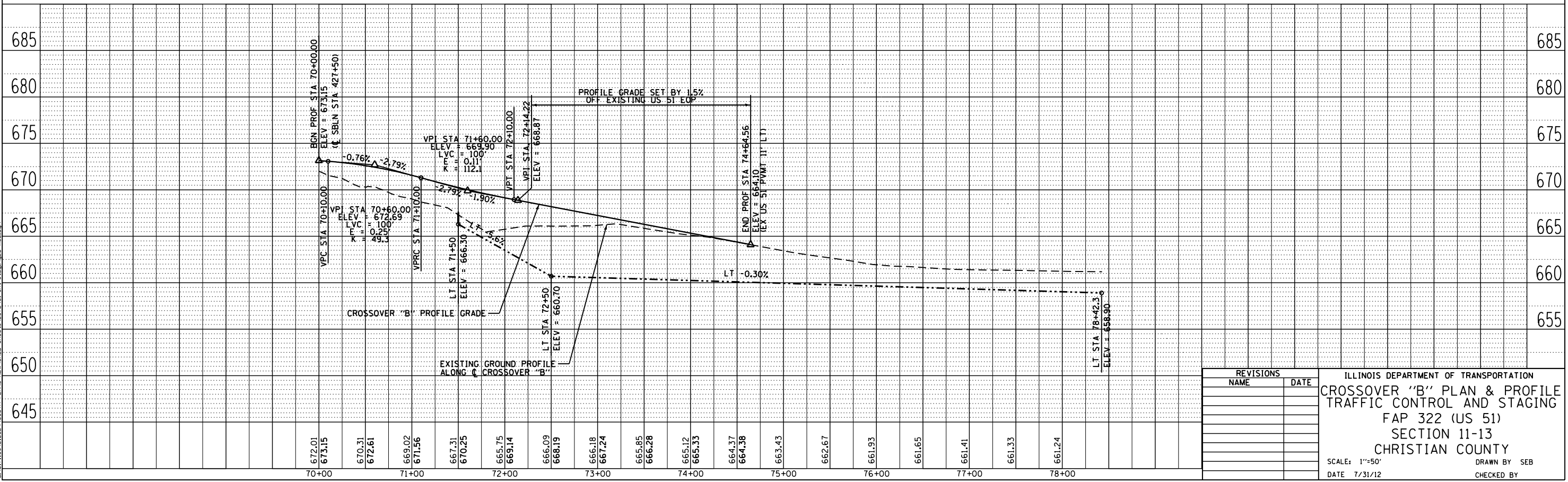
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	87
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PLAN	SURVEYED	DATE
NOTE BOOK NO.	ALIGNMENT CHECKED	
	RT. OF WAY CHECKED	
	PROP. FILE MADE	



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



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CROSSOVER "B" PLAN & PROFILE
TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: 1"=50'
 DATE 7/31/12

DRAWN BY SEB
 CHECKED BY

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	88
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CROSSOVER "D" CURVE #1 DATA
 PI STA = 82+23.25
 = 566+09.57 25.00' RT FAP 322
 $\Delta = 7^\circ 58' 54''$ (LT)
 $D = 1^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 223.25'$
 $L = 445.78'$
 $E = 7.78'$
 $SE = 1.5\%$
 PC STA = 80+00.00
 = 563+86.32 25.00' RT FAP 322
 PRC STA = 84+45.78
 = 568+30.66 6.00' LT FAP 322
 SE TRANSITION:
 STA 83+78 (+1.5%) TO STA 84+62 (-1.5%)

PT STA 88+91.56 CROSSOVER "D" =
 POT STA 572+75.00 37.00' LT FAP 322

STA 569+00.18, 19.00' LT =
 STA 85+16.35, 4.00' LT

STA 571+62.16, 19.00' LT =
 STA 87+78.14, 16.00' RT

REMOVE EX UNDERDRAIN HEADWALLS & EXTEND UNDERDRAINS INTO PIPE CULVERT. REINSTALL HEADWALLS UPON REMOVAL OF CROSSOVER "D"

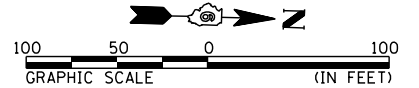
REMOVE EX UNDERDRAIN HEADWALLS & EXTEND UNDERDRAINS TO OUTLET. REINSTALL HEADWALLS UPON REMOVAL OF CROSSOVER "D"

CROSSOVER "D" CURVE #2 DATA
 PI STA = 86+69.03
 = 570+51.75 37.00' LT FAP 322
 $\Delta = 7^\circ 58' 54''$ (RT)
 $D = 1^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 223.25'$
 $L = 445.78'$
 $E = 7.76'$
 $SE = 1.5\%$
 PRC STA = 84+45.78
 = 568+30.66 6.00' LT FAP 322
 PT STA = 88+91.56
 = 572+75.00 37.00' LT FAP 322
 SE TRANSITION:
 STA 83+78 (+1.5%) TO STA 84+62 (-1.5%)

PC STA 80+00.00 CROSSOVER "D" =
 POT STA 563+86.32 25.00' RT FAP 322

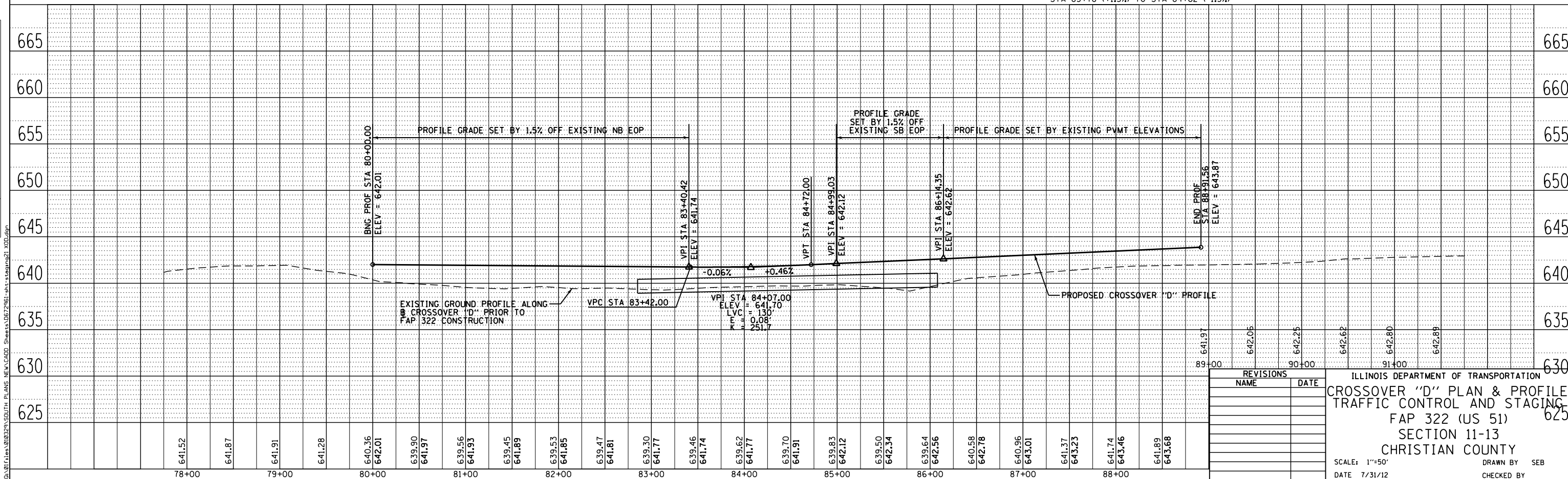
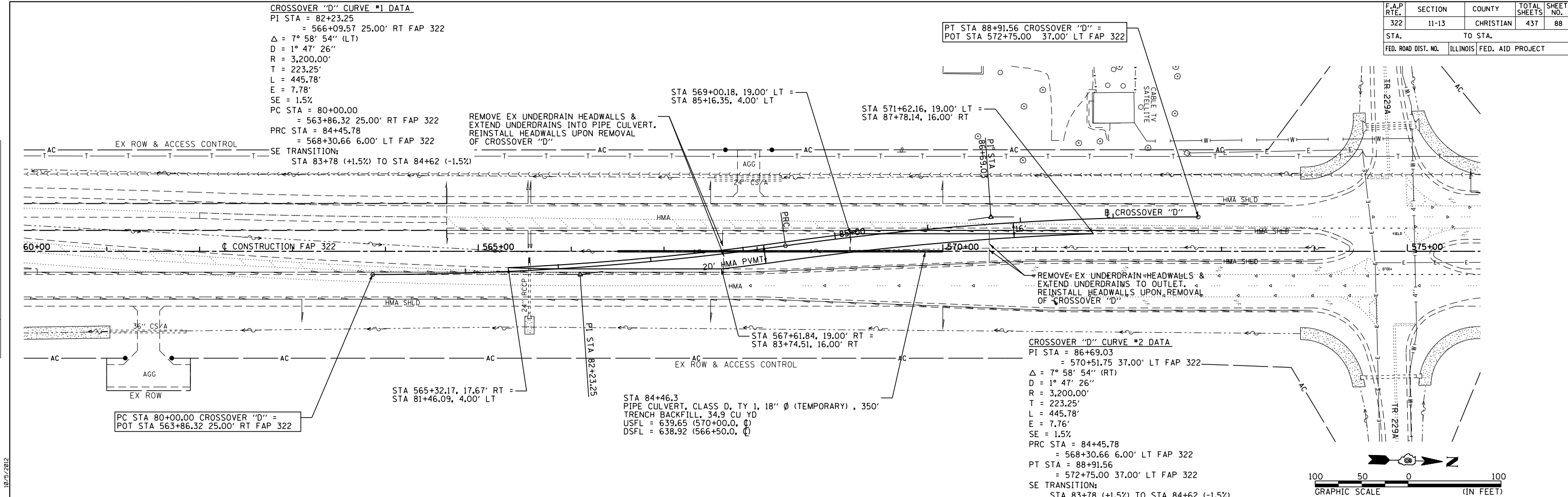
STA 84+46.3
 PIPE CULVERT, CLASS D, TY 1, 18" \emptyset (TEMPORARY), 350'
 TRENCH BACKFILL, 34.9 CU YD
 USFL = 639.65 (570+00.0, \emptyset)
 DSFL = 638.92 (566+50.0, \emptyset)

STA 565+32.17, 17.67' RT =
 STA 81+46.09, 4.00' LT



DATE	BY

DATE	BY



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CROSSOVER "D" PLAN & PROFILE
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY

SCALE: 1"=50'
 DATE 7/31/12
 DRAWN BY SEB
 CHECKED BY

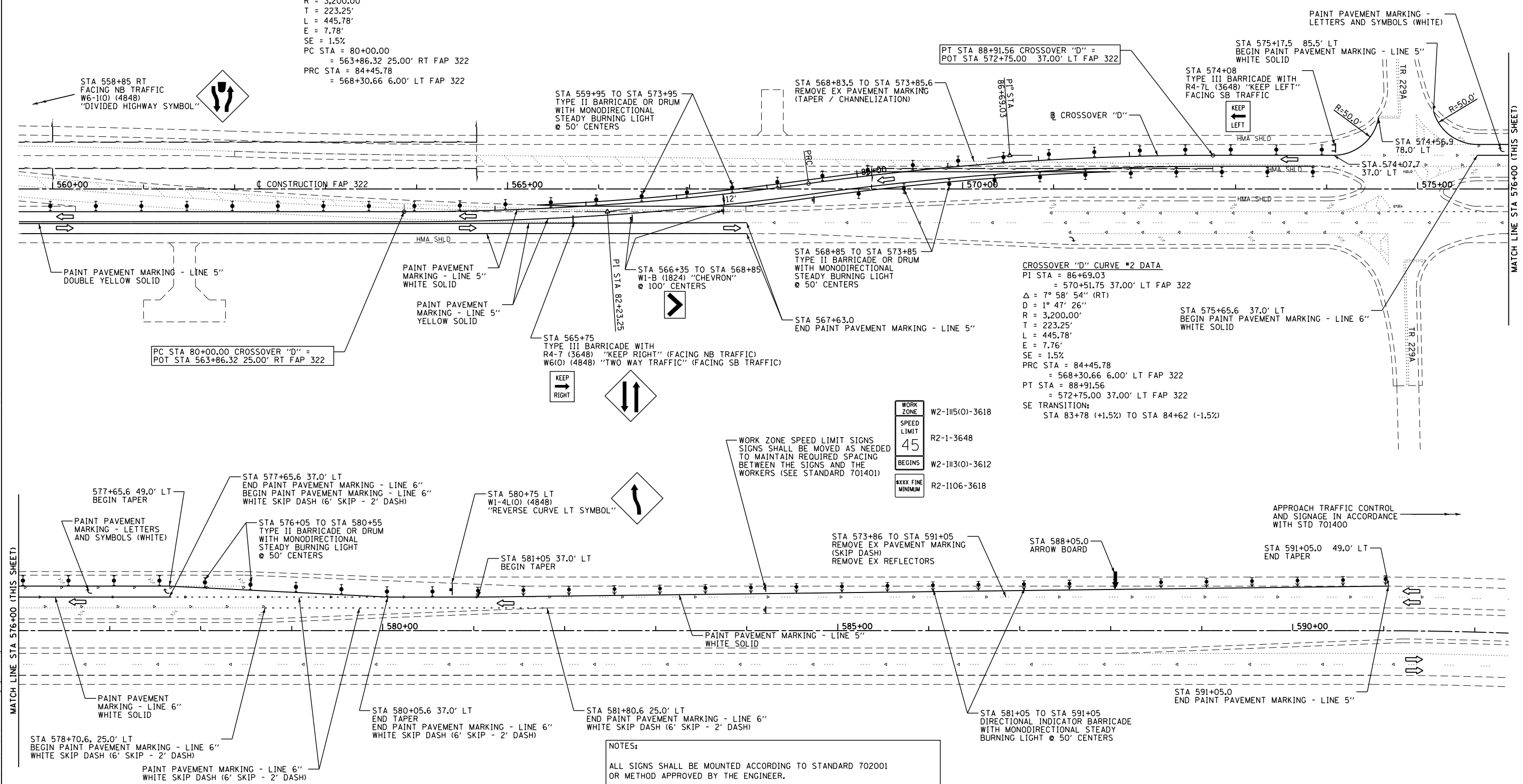
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 10/5/2012

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	89
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

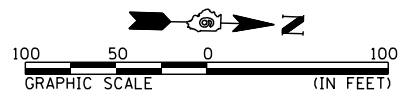
CROSSOVER D TEMPORARY PAVEMENT MARKING & SIGNAGE DETAIL STAGE 3

CROSSOVER "D" CURVE #1 DATA
 PI STA = 82+23.25
 = 566+09.57 25.00' RT FAP 322
 $\Delta = 7^\circ 58' 54''$ (LT)
 $D = 1^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 223.25'$
 $L = 445.78'$
 $E = 7.78'$
 $SE = 1.5\%$
 PC STA = 80+00.00
 = 563+86.32 25.00' RT FAP 322
 PRC STA = 84+45.78
 = 568+30.66 6.00' LT FAP 322

CROSSOVER "D" CURVE #2 DATA
 PI STA = 86+69.03
 = 570+51.75 37.00' LT FAP 322
 $\Delta = 7^\circ 58' 54''$ (RT)
 $D = 1^\circ 47' 26''$
 $R = 3,200.00'$
 $T = 223.25'$
 $L = 445.78'$
 $E = 7.76'$
 $SE = 1.5\%$
 PRC STA = 84+45.78
 = 568+30.66 6.00' LT FAP 322
 PT STA = 88+91.56
 = 572+75.00 37.00' LT FAP 322
SE TRANSITION:
 STA 83+78 (+1.5%) TO STA 84+62 (-1.5%)



NOTES:
 ALL SIGNS SHALL BE MOUNTED ACCORDING TO STANDARD 702001 OR METHOD APPROVED BY THE ENGINEER.
 TRAFFIC CONTROL SET UP FOR THIS DETAIL WILL NOT BE MEASURED AND PAID FOR SEPARATELY. THE COST WILL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT UNIT BID PRICES OF THE TRAFFIC CONTROL AND PAY ITEMS INCLUDED IN THE CONTRACT. THE TEMPORARY SIGNS, BARRICADES, AND DRUMS WILL REMAIN THE PROPERTY OF THE CONTRACTOR. TEMPORARY PAVEMENT STRIPING SHALL BE PAID FOR SEPARATELY.
 TEMPORARY RAISED REFLECTORIZED PAVEMENT MARKERS AT 25' CENTERS



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CROSSOVER "D"
 TRAFFIC CONTROL AND STAGING
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: 1"=50'
 DATE: _____
 DRAWN BY SEB
 CHECKED BY _____

10/5/2012
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NE 1/4 SEC 2, T11N, R1E, 3RD PM

PARCEL NO 6069104

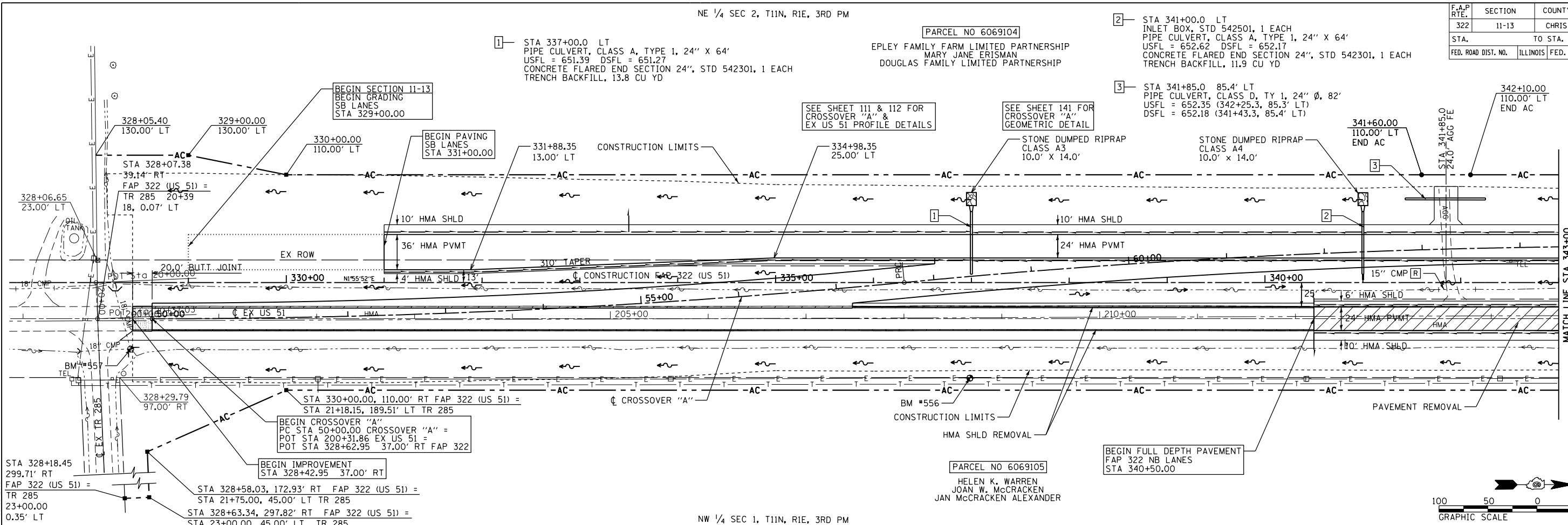
EPLEY FAMILY FARM LIMITED PARTNERSHIP
MARY JANE ERISMAN
DOUGLAS FAMILY LIMITED PARTNERSHIP

- 2- STA 341+00.0 LT INLET BOX, STD 542501, 1 EACH
PIPE CULVERT, CLASS A, TYPE 1, 24" X 64'
USFL = 652.62 DSFL = 652.17
CONCRETE FLARED END SECTION 24", STD 542301, 1 EACH
TRENCH BACKFILL, 11.9 CU YD
- 3- STA 341+85.0 85.4' LT PIPE CULVERT, CLASS A, TY 1, 24" Ø, 82'
USFL = 652.35 (342+25.3, 85.3' LT)
DSFL = 652.18 (341+43.3, 85.4' LT)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	90
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY

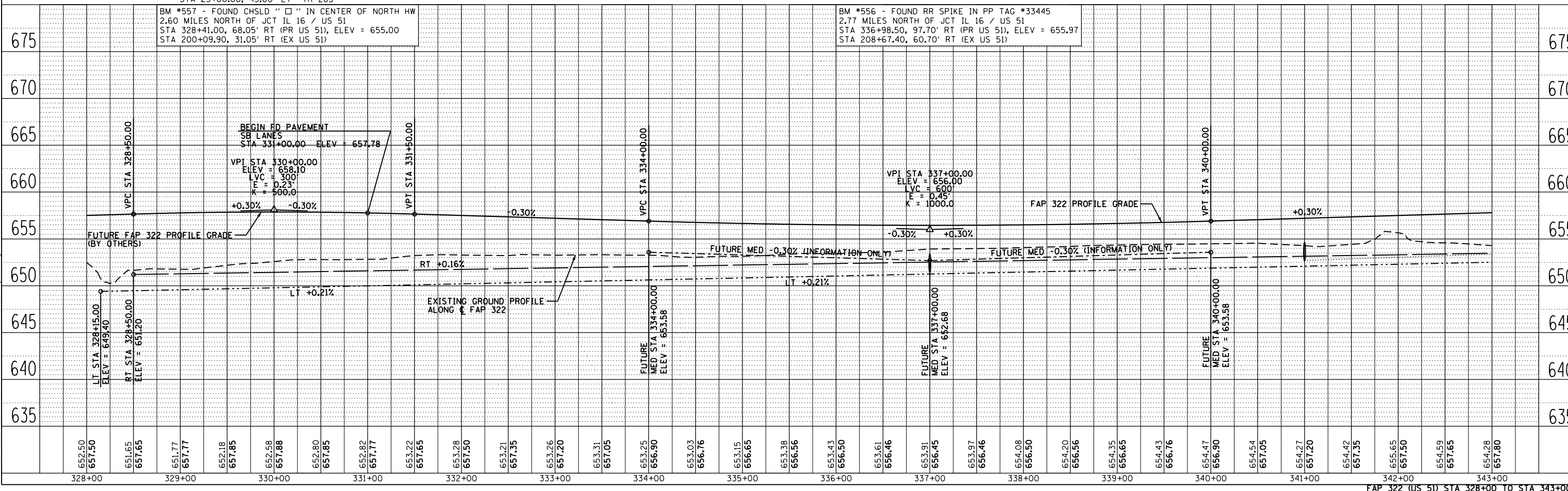
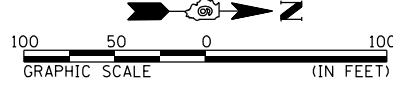
DATE	BY



NW 1/4 SEC 1, T11N, R1E, 3RD PM

PARCEL NO 6069105
HELEN K. WARREN
JOAN W. MCCRACKEN
JAN MCCRACKEN ALEXANDER

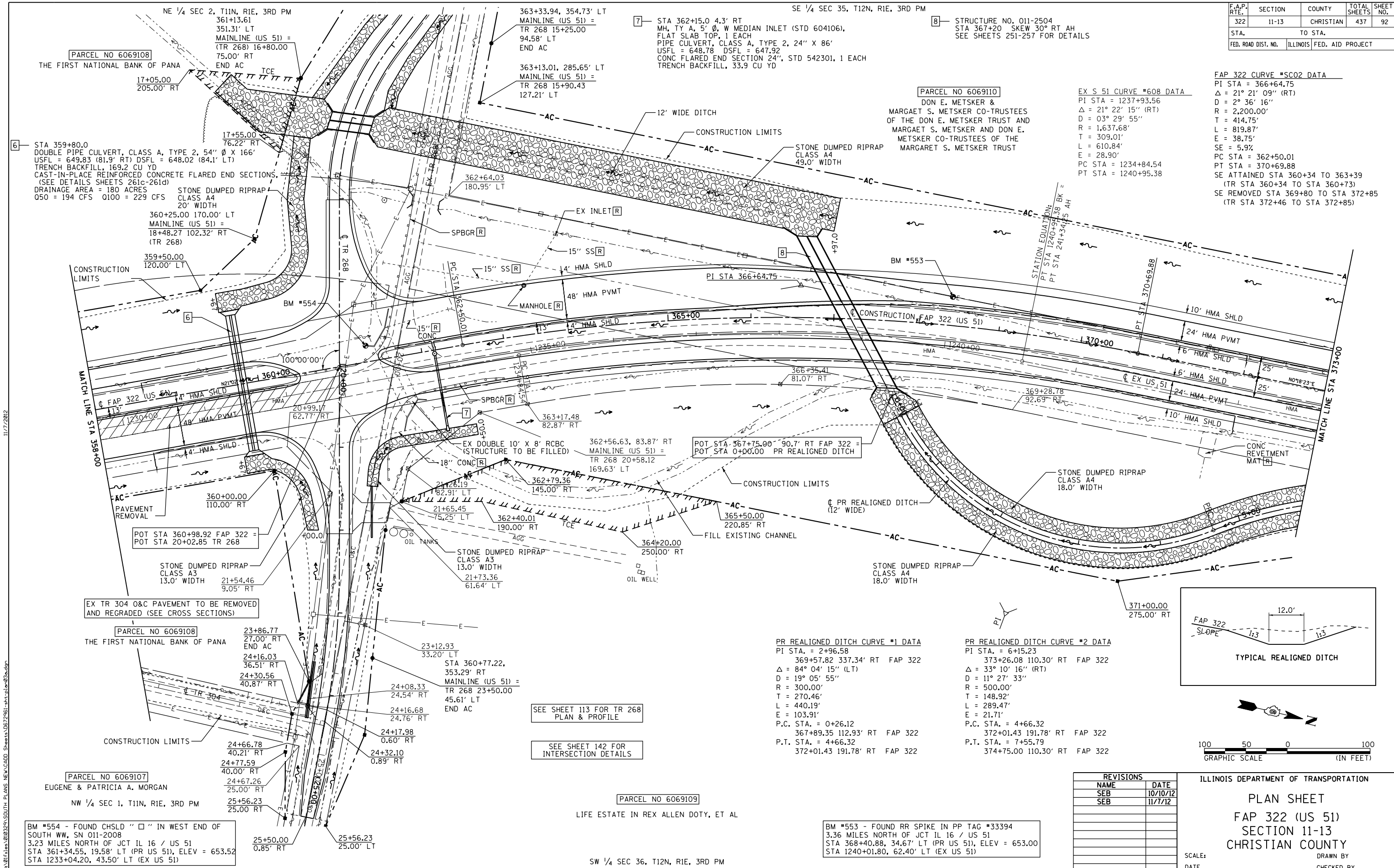
BEGIN FULL DEPTH PAVEMENT
FAP 322 NB LANES
STA 340+50.00



FAP 322 (US 51) STA 328+00 TO STA 343+00

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	92
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



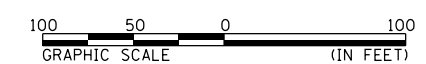
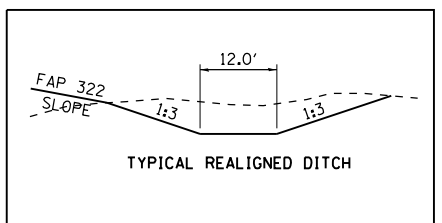
FAP 322 CURVE #SCO2 DATA
 PI STA = 366+64.75
 $\Delta = 21^\circ 21' 09''$ (RT)
 $D = 2^\circ 36' 16''$
 $R = 2,200.00'$
 $T = 414.75'$
 $L = 819.87'$
 $E = 38.75'$
 $SE = 5.9\%$
 PC STA = 362+50.01
 PT STA = 370+69.88
 SE ATTAINED STA 360+34 TO 363+39
 (TR STA 360+34 TO STA 360+73)
 SE REMOVED STA 369+80 TO STA 372+85
 (TR STA 372+46 TO STA 372+85)

EX S 51 CURVE #608 DATA
 PI STA = 1237+93.56
 $\Delta = 21^\circ 22' 15''$ (RT)
 $D = 03^\circ 29' 55''$
 $R = 1,637.68'$
 $T = 309.01'$
 $L = 610.84'$
 $E = 28.90'$
 PC STA = 1234+84.54
 PT STA = 1240+95.38

PARCEL NO 6069110
 DON E. METSKER &
 MARGAET S. METSKER CO-TRUSTEES
 OF THE DON E. METSKER TRUST AND
 MARGAET S. METSKER AND DON E.
 METSKER CO-TRUSTEES OF THE
 MARGAET S. METSKER TRUST

PR REALIGNED DITCH CURVE #1 DATA
 PI STA. = 2+96.58
 369+57.82 337.34' RT FAP 322
 $\Delta = 84^\circ 04' 15''$ (LT)
 $D = 19^\circ 05' 55''$
 $R = 300.00'$
 $T = 270.46'$
 $L = 440.19'$
 $E = 103.91'$
 P.C. STA. = 0+26.12
 367+89.35 112.93' RT FAP 322
 P.T. STA. = 4+66.32
 372+01.43 191.78' RT FAP 322

PR REALIGNED DITCH CURVE #2 DATA
 PI STA. = 6+15.23
 373+26.08 110.30' RT FAP 322
 $\Delta = 33^\circ 10' 16''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 148.92'$
 $L = 289.47'$
 $E = 21.71'$
 P.C. STA. = 4+66.32
 372+01.43 191.78' RT FAP 322
 P.T. STA. = 7+55.79
 374+75.00 110.30' RT FAP 322



REVISIONS	
NAME	DATE
SEB	10/10/12
SEB	11/7/12

ILLINOIS DEPARTMENT OF TRANSPORTATION
PLAN SHEET
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: DRAWN BY
 DATE: CHECKED BY
 FAP 322 (US 51) PLAN STA 358+00 TO STA 373+00

SEE SHEET 113 FOR TR 268
 PLAN & PROFILE

SEE SHEET 142 FOR
 INTERSECTION DETAILS

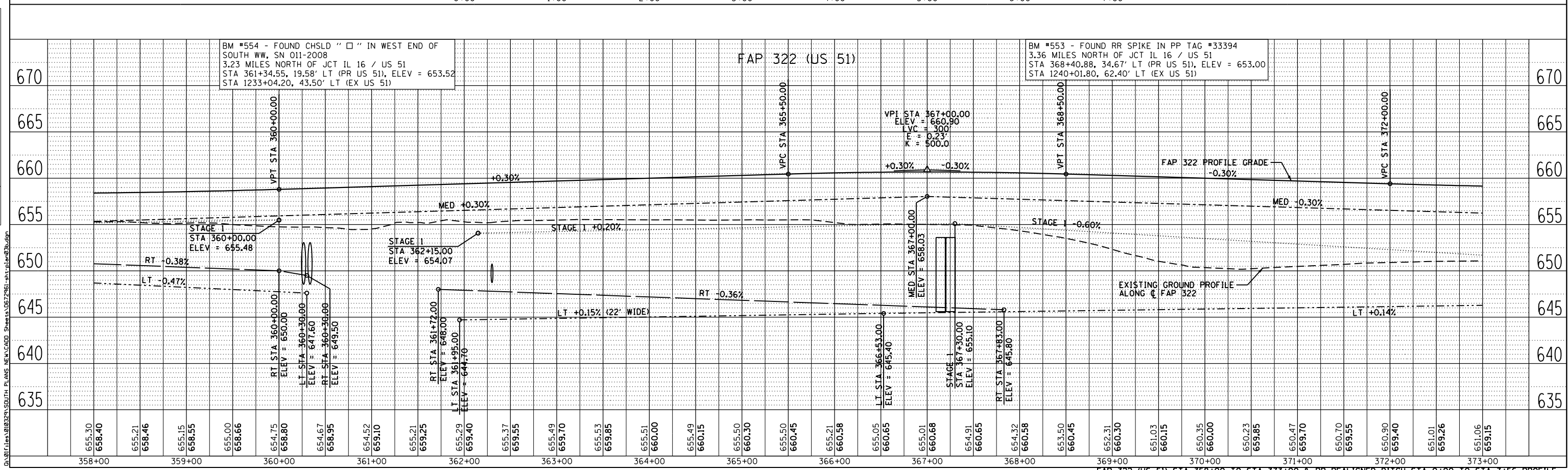
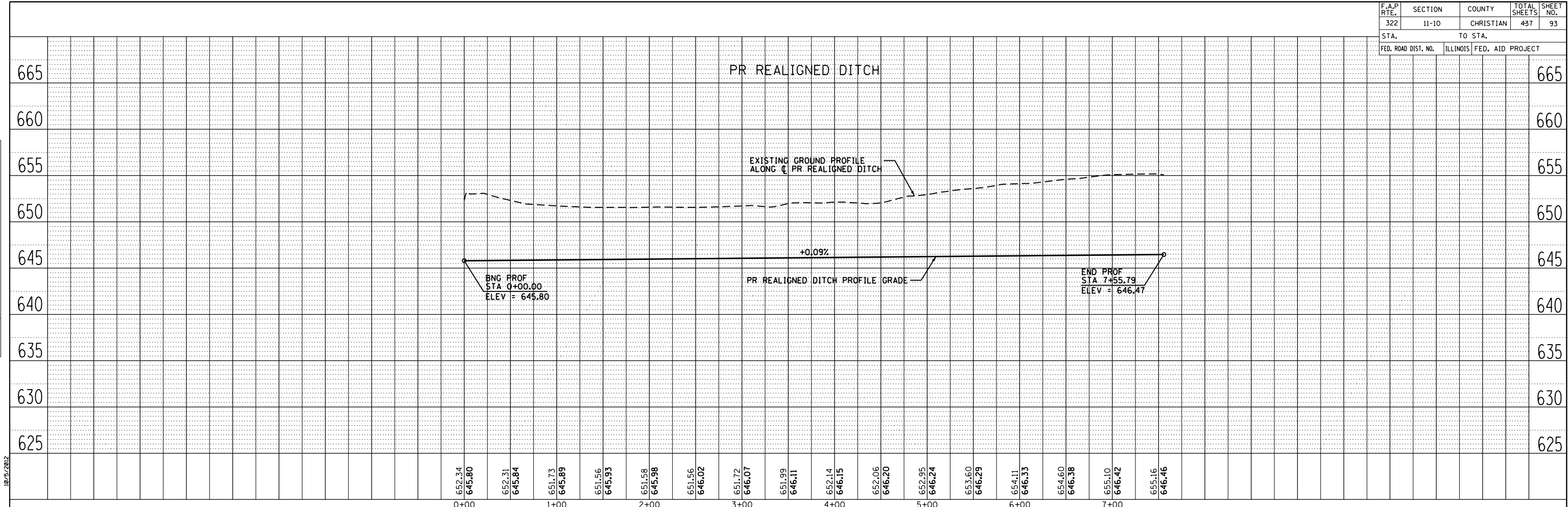
PARCEL NO 6069109
 LIFE ESTATE IN REX ALLEN DOTY, ET AL

BM #553 - FOUND RR SPIKE IN PP TAG #33394
 3.26 MILES NORTH OF JCT IL 16 / US 51
 STA 368+40.88, 34.67' LT (PR US 51), ELEV = 653.00
 STA 1240+01.80, 62.40' LT (EX US 51)

BM #554 - FOUND CHSLD " " IN WEST END OF SOUTH WW, SN 011-2008
 3.23 MILES NORTH OF JCT IL 16 / US 51
 STA 361+34.55, 19.58' LT (PR US 51), ELEV = 653.52
 STA 1233+04.20, 43.50' LT (EX US 51)

11/7/2012
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-10	CHRISTIAN	437	93
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID	PROJECT	



FAP 322 (US 51) STA 358+00 TO STA 373+00 & PR REALIGNED DITCH STA 0+00 TO STA 7+56 PROFILE

PLAN

SURVEYED	BY	DATE
NOTE BOOK		
GRADES CHECKED		
PLAN CHECKED		
CADD FILE NAME		

PROFILE

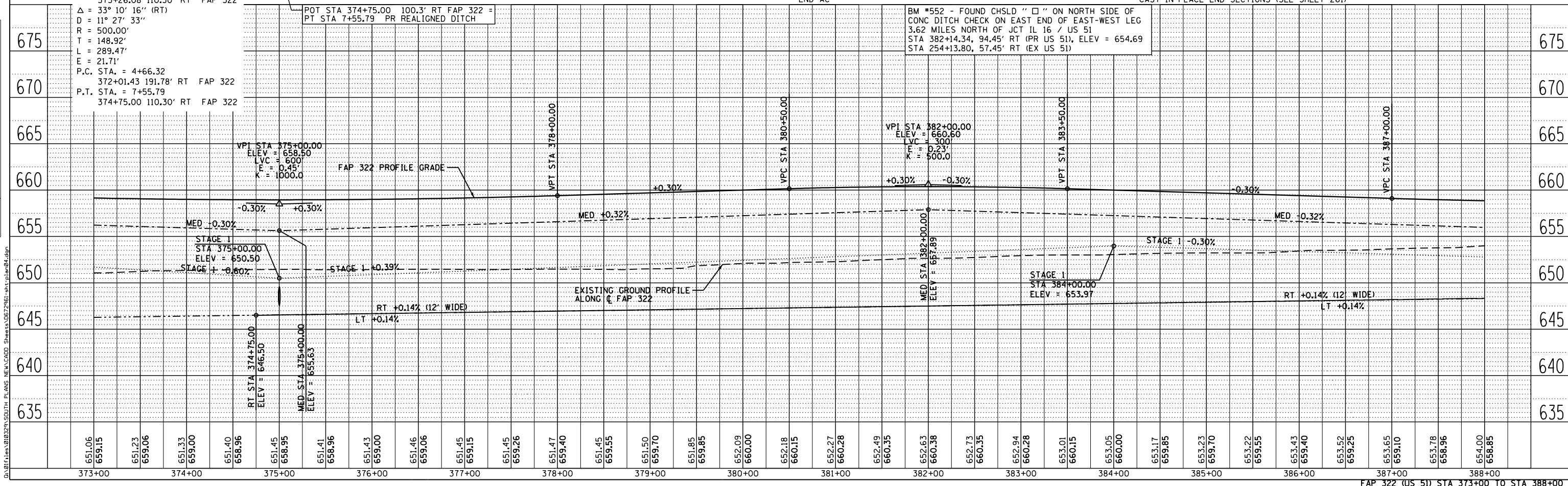
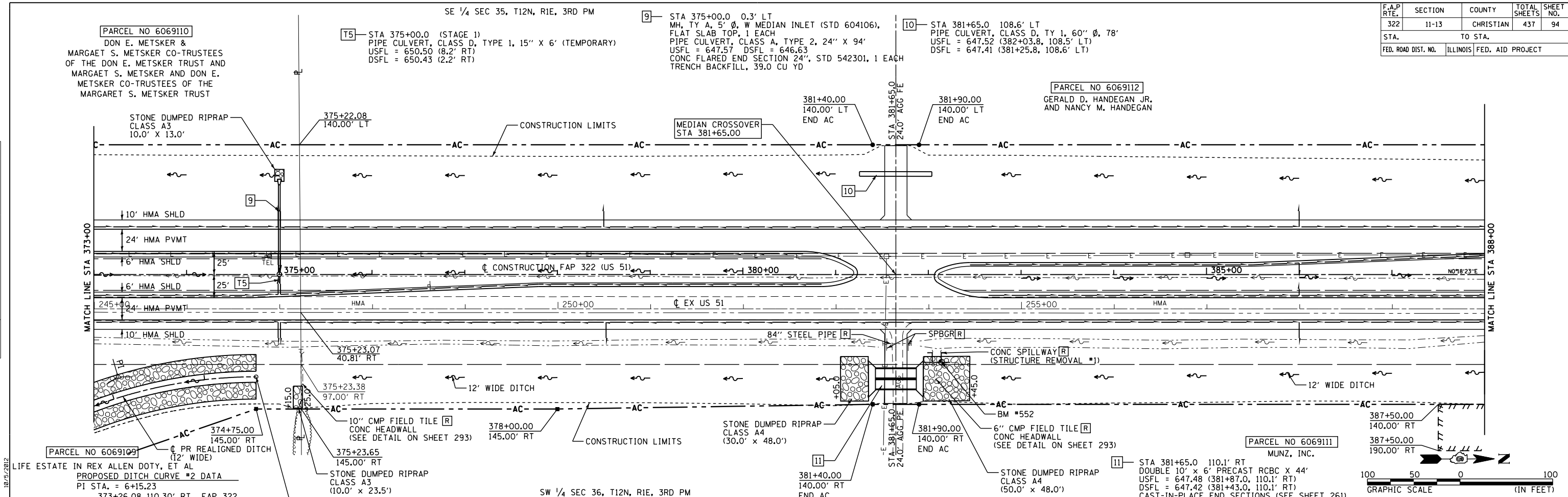
SURVEYED	BY	DATE
NOTE BOOK		
GRADES CHECKED		
PLAN CHECKED		
CADD FILE NAME		

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	94
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

DATE	BY	REVISION

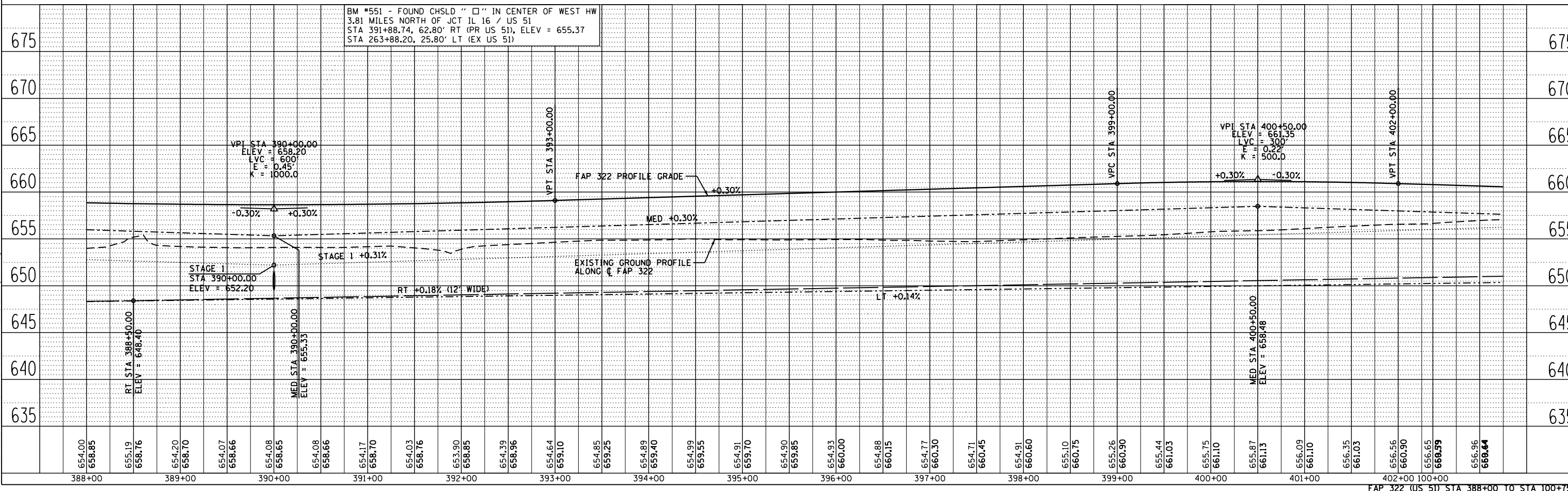
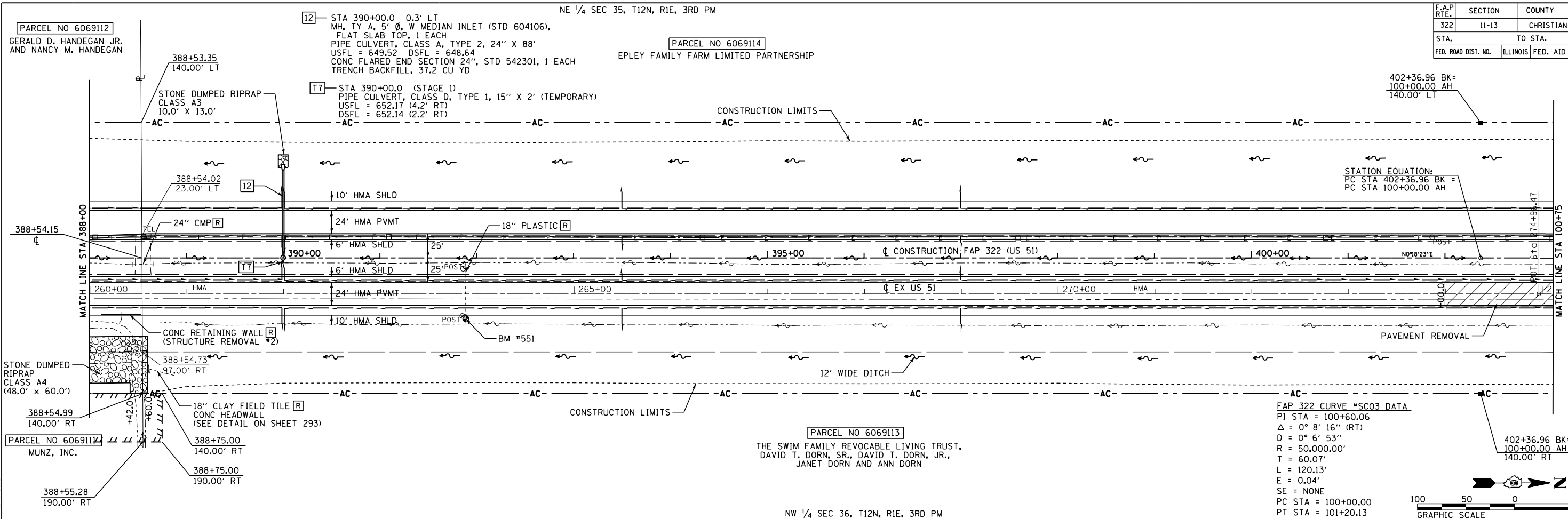
DATE	BY	REVISION



FAP 322 (US 51) STA 373+00 TO STA 388+00

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	95
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

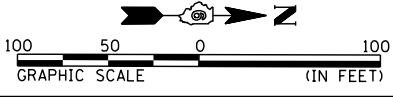
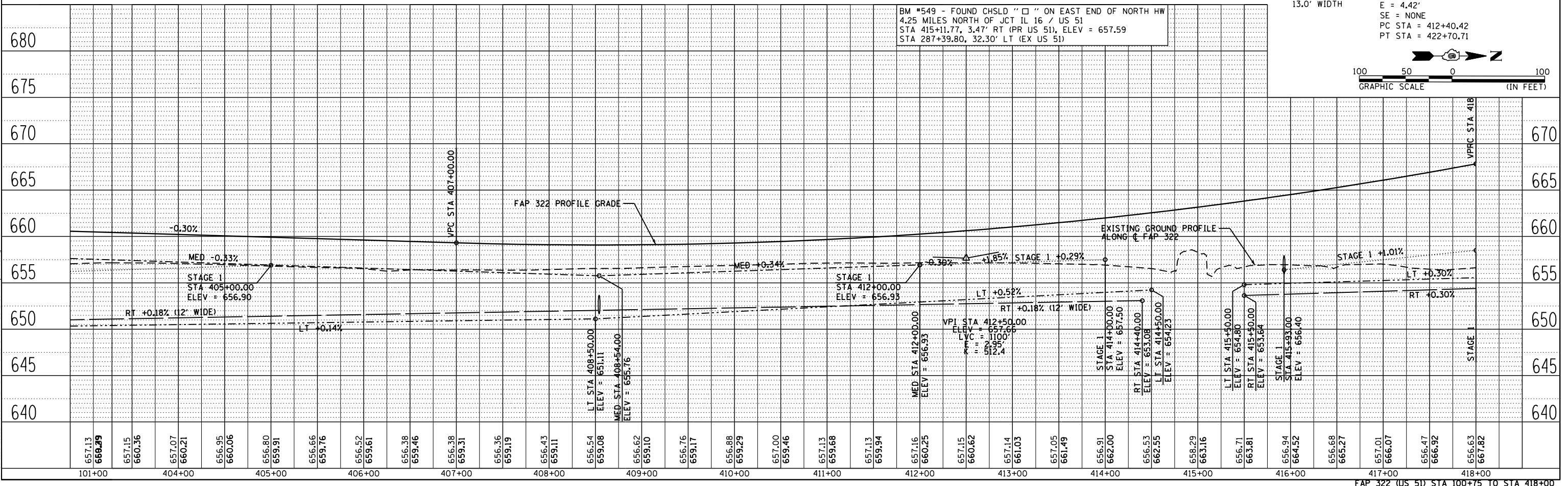
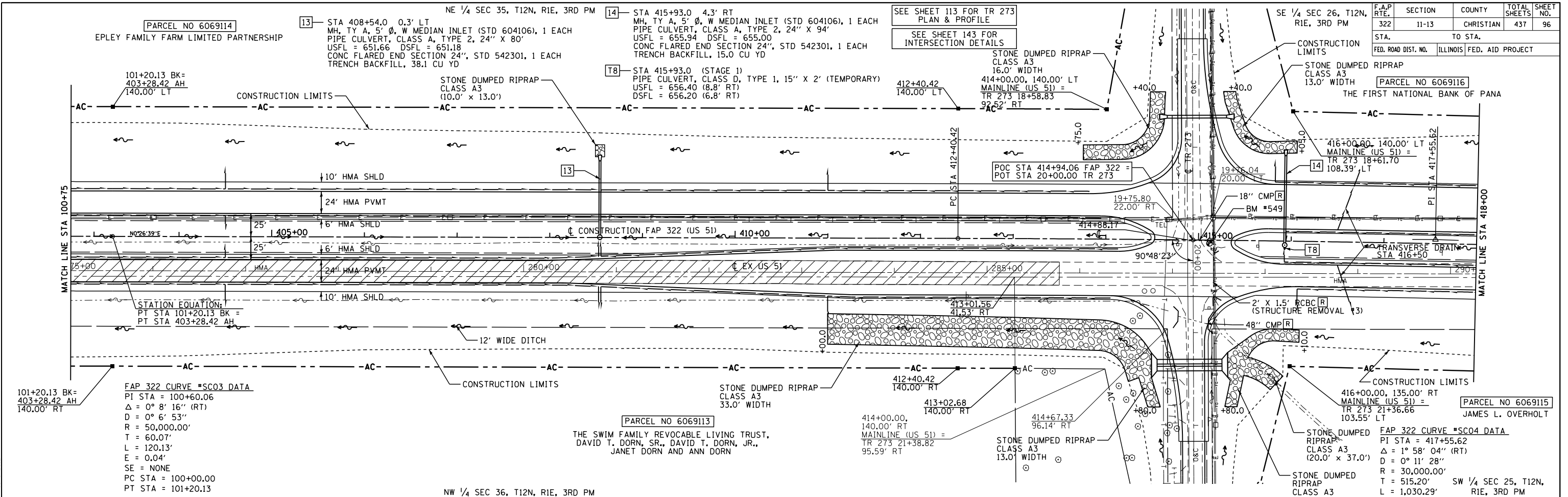


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PLAN	
NOTE BOOK	
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GRADES	
CHECKED	
PROFILE	
NOTE BOOK	
NO.	

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	96
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN	DATE
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PROFILE	DATE
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DATE	

10/5/2012
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PARCEL NO 6069114
 EPLEY FAMILY FARM LIMITED PARTNERSHIP

13 STA 408+54.0 0.3' LT
 MH, TY A, 5' Ø, W MEDIAN INLET (STD 604106), 1 EACH
 PIPE CULVERT, CLASS A, TYPE 2, 24" X 80"
 USFL = 651.66 DSFL = 651.18
 CONC FLARED END SECTION 24", STD 542301, 1 EACH
 TRENCH BACKFILL, 38.1 CU YD

14 STA 415+93.0 4.3' RT
 MH, TY A, 5' Ø, W MEDIAN INLET (STD 604106), 1 EACH
 PIPE CULVERT, CLASS A, TYPE 2, 24" X 94"
 USFL = 655.94 DSFL = 655.00
 CONC FLARED END SECTION 24", STD 542301, 1 EACH
 TRENCH BACKFILL, 15.0 CU YD

SEE SHEET 113 FOR TR 273
 PLAN & PROFILE

SEE SHEET 143 FOR
 INTERSECTION DETAILS

PARCEL NO 6069116
 THE FIRST NATIONAL BANK OF PANAMA

PARCEL NO 6069115
 JAMES L. OVERHOLT

FAP 322 CURVE #SC03 DATA
 PT STA = 100+60.06
 Δ = 0° 8' 16" (RT)
 D = 0° 6' 53"
 R = 50,000.00'
 T = 60.07'
 L = 120.13'
 E = 0.04'
 SE = NONE
 PC STA = 100+00.00
 PT STA = 101+20.13

PARCEL NO 6069113
 THE SWIM FAMILY REVOCABLE LIVING TRUST,
 DAVID T. DORN, SR., DAVID T. DORN, JR.,
 JANET DORN AND ANN DORN

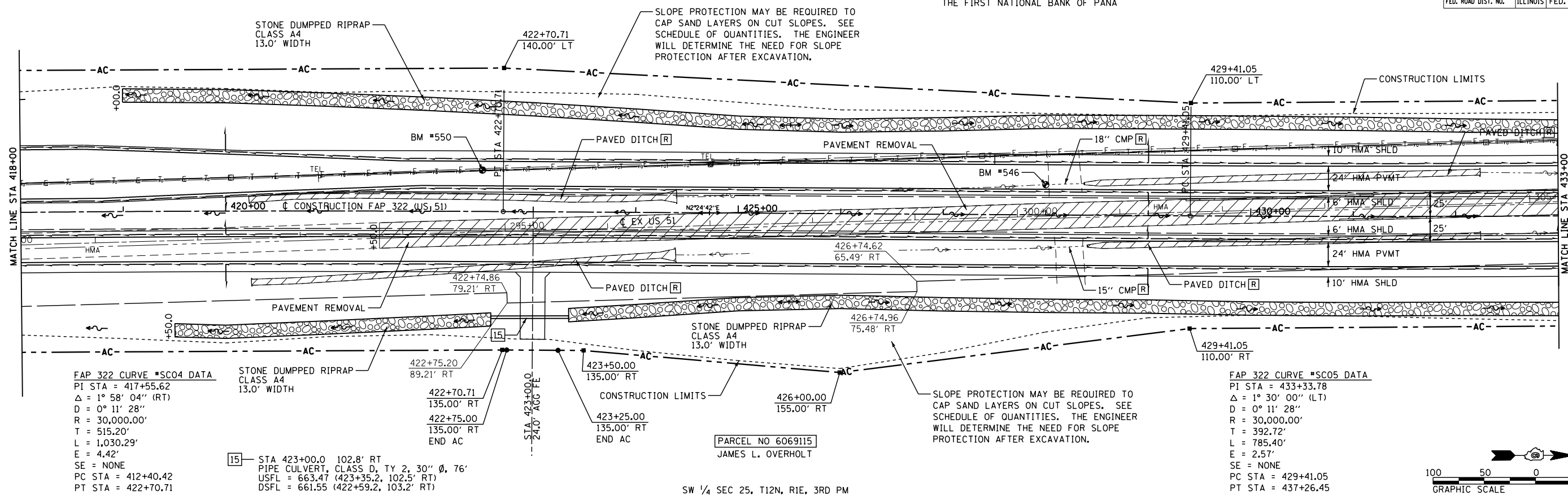
FAP 322 CURVE #SC04 DATA
 PT STA = 417+55.62
 Δ = 1° 58' 04" (RT)
 D = 0° 11' 28"
 R = 30,000.00'
 T = 515.20'
 L = 1,030.29'
 E = 4.42'
 SE = NONE
 PC STA = 412+40.42
 PT STA = 422+70.71

BM #549 - FOUND CHSLD "□" ON EAST END OF NORTH HW
 4.25 MILES NORTH OF JCT IL 16 / US 51
 STA 415+11.77, 3.47' RT (PR US 51), ELEV = 657.59
 STA 287+39.80, 32.30' LT (EX US 51)

SE 1/4 SEC 26, T12N, R1E, 3RD PM

PARCEL NO 6069116
THE FIRST NATIONAL BANK OF PANA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	97
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

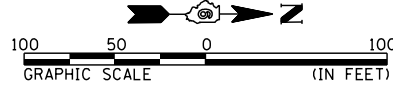


FAP 322 CURVE *SC04 DATA
 PI STA = 417+55.62
 $\Delta = 1^\circ 58' 04''$ (RT)
 $D = 0^\circ 11' 28''$
 $R = 30,000.00'$
 $T = 515.20'$
 $L = 1,030.29'$
 $E = 4.42'$
 SE = NONE
 PC STA = 412+40.42
 PT STA = 422+70.71

STONE DUMPPED RIPRAP CLASS A4 13.0' WIDTH
 422+75.20 89.21' RT
 422+70.71 135.00' RT
 422+75.00 135.00' RT
 423+00.0 102.8' RT
 PIPE CULVERT, CLASS D, TY 2, 30" ϕ , 76'
 USFL = 663.47 (423+35.2, 102.5' RT)
 DSFL = 661.55 (422+59.2, 103.2' RT)

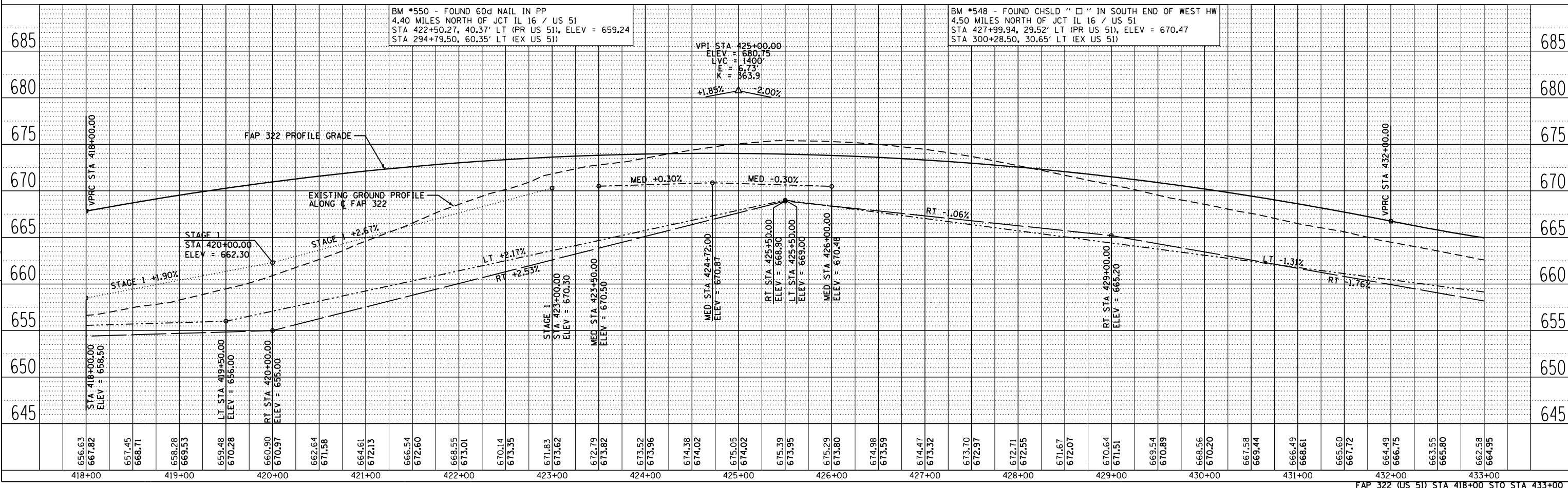
FAP 322 CURVE *SC05 DATA
 PI STA = 433+33.78
 $\Delta = 1^\circ 30' 00''$ (LT)
 $D = 0^\circ 11' 28''$
 $R = 30,000.00'$
 $T = 392.72'$
 $L = 785.40'$
 $E = 2.57'$
 SE = NONE
 PC STA = 429+41.05
 PT STA = 437+26.45

SW 1/4 SEC 25, T12N, R1E, 3RD PM



DATE	
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BM #550 - FOUND 60d NAIL IN PP
 4.40 MILES NORTH OF JCT IL 16 / US 51
 STA 422+50.27, 40.37' LT (PR US 51), ELEV = 659.24
 STA 294+79.50, 60.35' LT (EX US 51)

VPI STA 425+00.00
 ELEV = 680.75
 $LVC = 1400'$
 $E = 6.73'$
 $K = 363.9$
 $+1.85\% \quad -2.00\%$

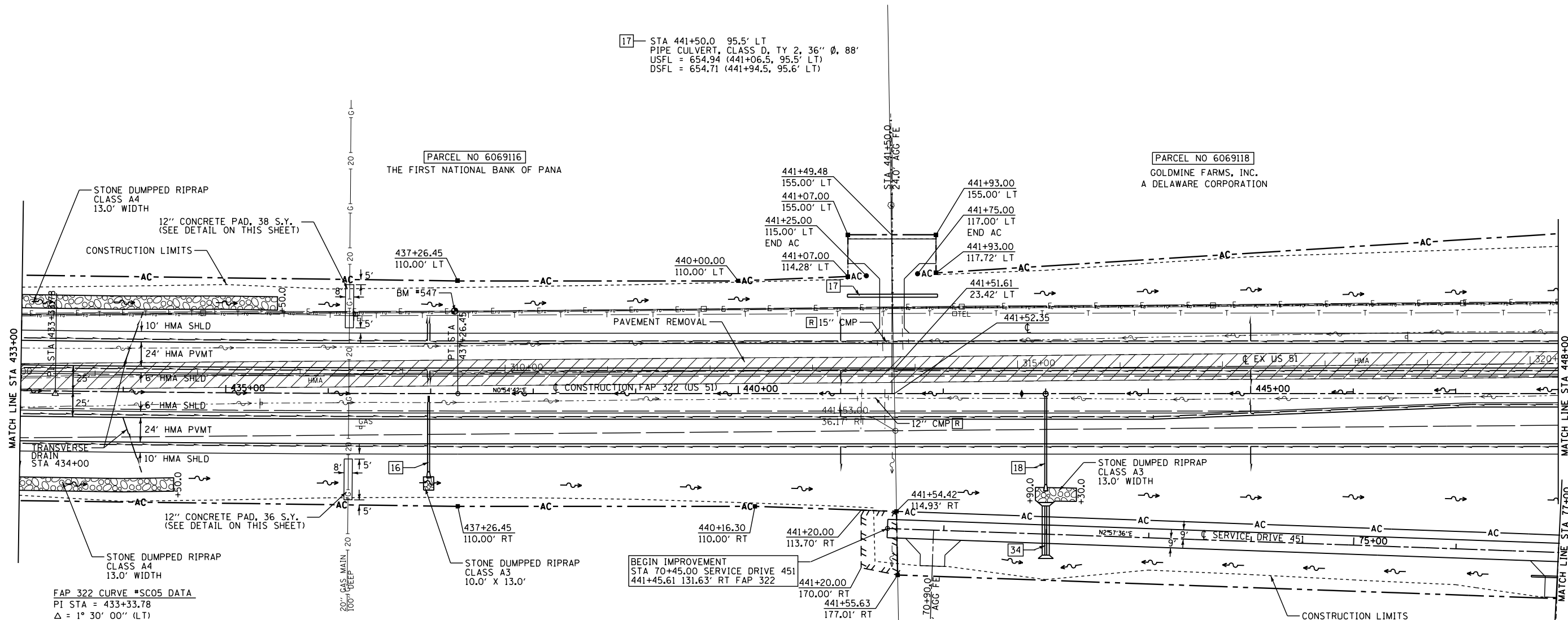
BM #548 - FOUND CHSLD " " IN SOUTH END OF WEST HW
 4.50 MILES NORTH OF JCT IL 16 / US 51
 STA 427+99.94, 29.52' LT (PR US 51), ELEV = 670.47
 STA 300+28.50, 30.65' LT (EX US 51)

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	98
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SE 1/4 SEC 26, T12N, R1E, 3RD PM

NE 1/4 SEC 26, T12N, R1E, 3RD PM



FAP 322 CURVE *SC05 DATA
 PI STA = 433+33.78
 $\Delta = 1^\circ 30' 00''$ (LT)
 $D = 0^\circ 11' 28''$
 $R = 30,000.00'$
 $T = 392.72'$
 $L = 785.40'$
 $E = 2.57'$
 $SE = NONE$
 $PC STA = 429+41.05$
 $PT STA = 437+26.45$

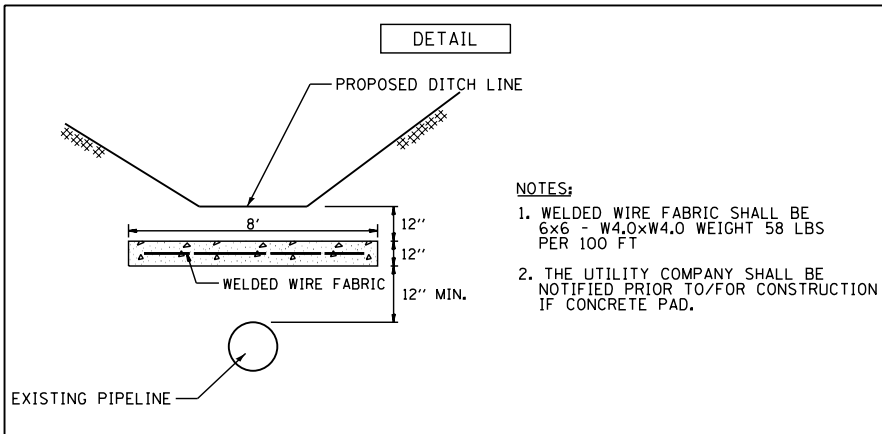
17 - STA 441+50.0 95.5' LT
 PIPE CULVERT, CLASS D, TY 2, 36" ϕ , 88'
 USFL = 654.94 (441+06.5, 95.5' LT)
 DSFL = 654.71 (441+94.5, 95.6' LT)

BEGIN IMPROVEMENT
 STA 70+45.00 SERVICE DRIVE 451
 441+45.61 131.63' RT FAP 322

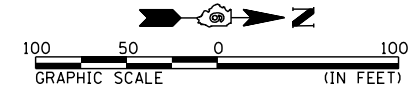
18 - STA 443+00.0 0.3' RT
 MH, TY A, 5' ϕ , W MEDIAN INLET (STD 604106) FLAT SLAB TOP, 1 EACH
 PIPE CULVERT, CLASS A, TYPE 2, 24" X 94"
 USFL = 656.59 DSFL = 654.70
 CONC FLARED END SECTION 24", STD 542301, 1 EACH
 TRENCH BACKFILL, 30.1 CU YD

34 - STA 71+99.5 SERVICE DRIVE 451 SKEW = 3° RT AH
 DOUBLE PIPE CULVERT, CLASS A, TYPE 2, 30" X 48"
 USFL = 655.83 (443+00.0, 157.6' RT FAP 322)
 DSFL = 654.76 (443+00.0, 109.6' RT FAP 322)
 CAST-IN-PLACE REINFORCED CONCRETE FLARED END SECTIONS,
 (SEE DETAILS SHEETS 261a-261b)
 TRENCH BACKFILL, 15.2 CU YD

16 - STA 436+98.0 RT
 INLET BOX, STD 542501, 1 EACH
 PIPE CULVERT, CLASS A, TY 2, 24" X 68"
 USFL = 656.98 (8.2' RT)
 DSFL = 655.94 (76.2' RT)
 CONC FLARED END SECTION 24", STD 542301, 1 EACH
 TRENCH BACKFILL, 11.6 CU YD



NOTES:
 1. WELDED WIRE FABRIC SHALL BE 6x6 - W4.0xW4.0 WEIGHT 58 LBS PER 100 FT
 2. THE UTILITY COMPANY SHALL BE NOTIFIED PRIOR TO/FOR CONSTRUCTION IF CONCRETE PAD.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAP 322 (US 51)
 SECTION 11-13
 CHRISTIAN COUNTY
 SCALE: DRAWN BY
 DATE: CHECKED BY
 FAP 322 (US 51) STA 433+00 TO STA 448+00

SW 1/4 SEC 25, T12N, R1E, 3RD PM

NW 1/4 SEC 25, T12N, R1E, 3RD PM

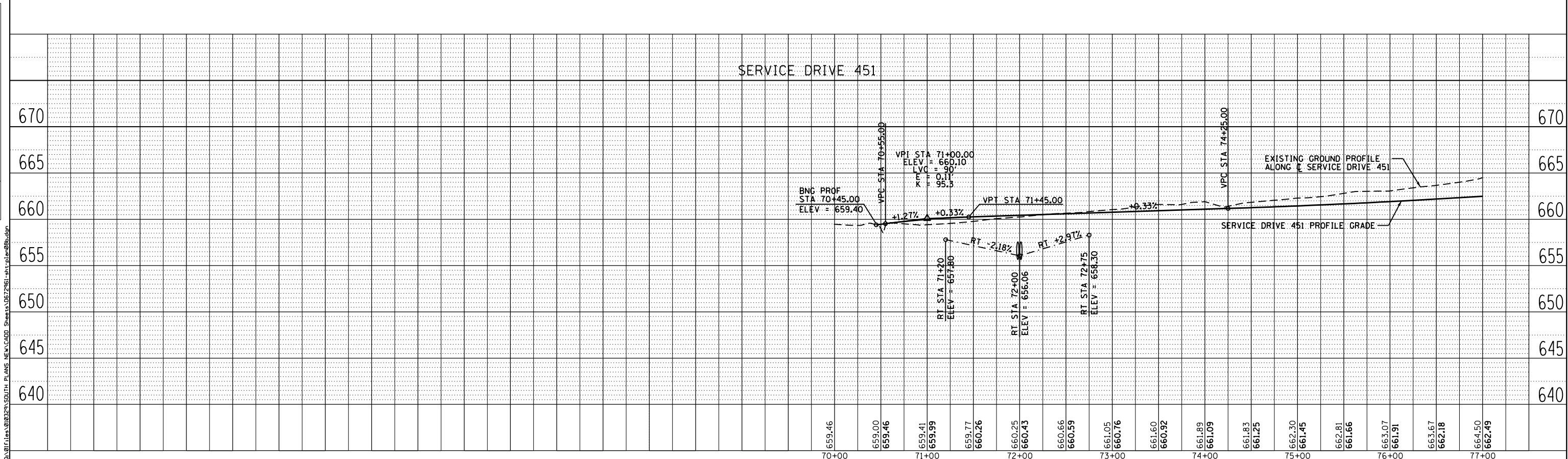
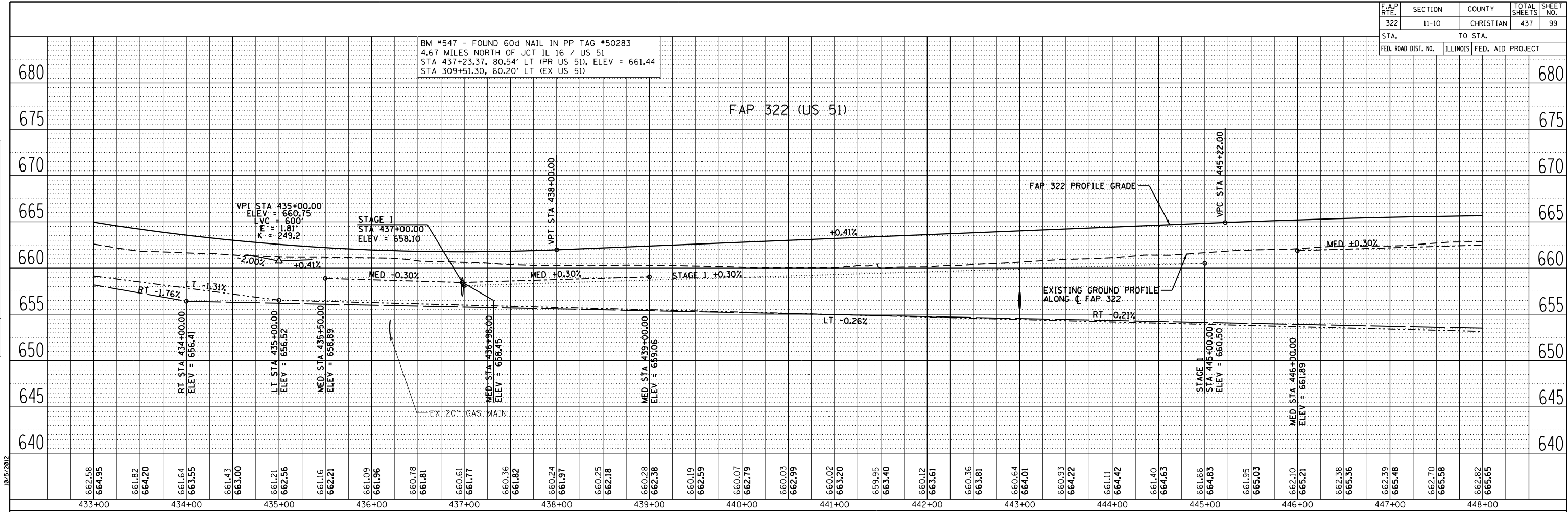
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-10	CHRISTIAN	437	99
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

BM #547 - FOUND 60d NAIL IN PP TAG #50283
 4.67 MILES NORTH OF JCT IL 16 / US 51
 STA 437+23.37, 80.54' LT (PR US 51), ELEV = 661.44
 STA 309+51.30, 60.20' LT (EX US 51)

DATE	BY
10/5/2012	
SURVEYED	
ALIGNED	
CHECKED	
DRAWN	
DATE	
BY	

DATE	BY
10/5/2012	
PROFILE	
GRADES CHECKED	
ELEVATIONS CHECKED	
DATE	
BY	



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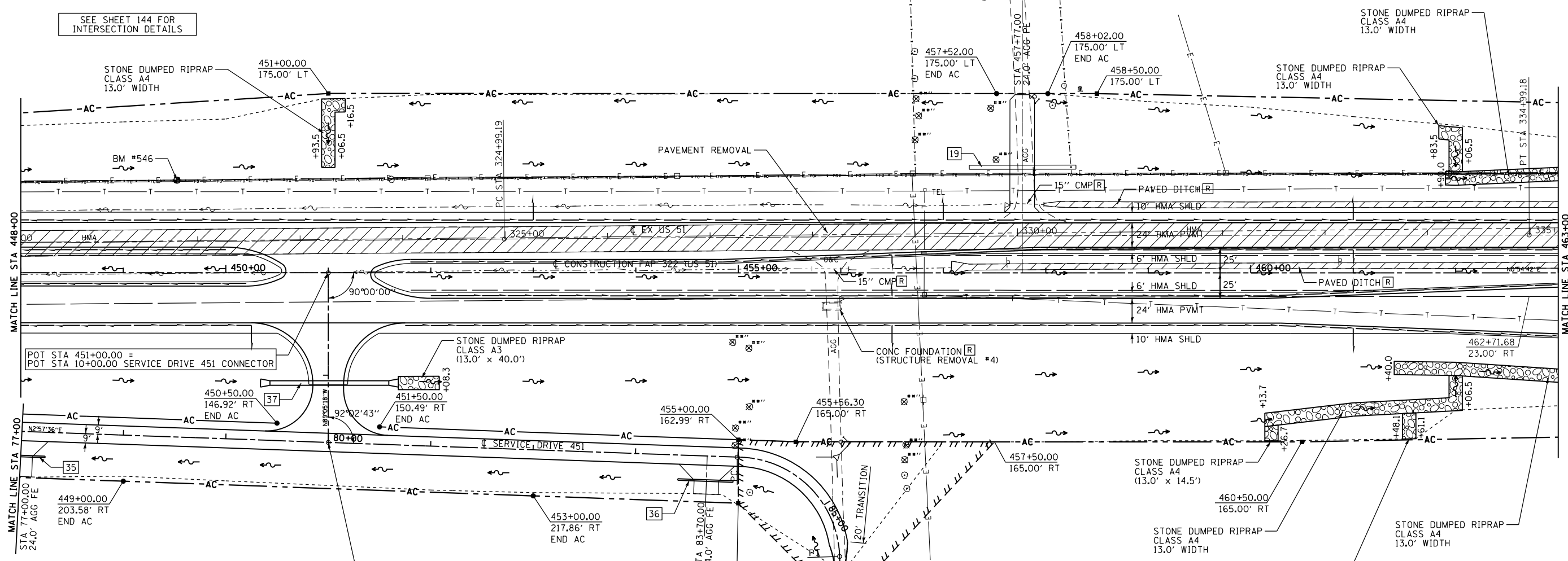
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
322	11-13	CHRISTIAN	437	100
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

NE 1/4 SEC 26, T12N, R1E, 3RD PM

PARCEL NO 6069118
GOLDMINE FARMS, INC.
A DELAWARE CORPORATION

19— STA 457+77.0 103.2' LT
PIPE CULVERT, CLASS D, TY 2, 48" Ø, 104'
USFL = 650.73 (457+25.4, 103.1' LT)
DSFL = 650.46 (458+29.4, 103.2' LT)

SEE SHEET 144 FOR INTERSECTION DETAILS



MATCH LINE STA 448+00

MATCH LINE STA 463+00

MATCH LINE STA 77+00

35— STA 77+00.0 24.0' RT
PIPE CULVERT, CLASS D, TY 1, 18" Ø, 50'
USFL = 660.31 (77+24.4, 24.0' RT)
DSFL = 660.00 (76+74.4, 24.0' RT)

37— STA 8+92.3
PIPE CULVERT, CLASS A, TY 2, 54" Ø, 116'
USFL = 653.00 (56.9' LT)
DSFL = 652.76 (59.1' RT)
CONC FLARED END SECTION 54" Ø, 2 EACH
TRENCH BACKFILL, 90.1 CU YD

SERVICE DRIVE 451 CURVE #1 DATA
 PI STA. = 84+96.46 =
 445+96.15 183.43' RT FAP 322
 $\Delta = 86^\circ 14' 55''$ (RT)
 $D = 57^\circ 17' 45''$
 $R = 100.00'$
 $T = 93.66'$
 $L = 150.53'$
 $E = 37.01'$
 $SE = NONE$
 P.C. STA. = 84+02.81 =
 455+02.55 180.09' RT FAP 322
 P.T. STA. = 85+53.34 =
 455+98.94 277.05' RT FAP 322

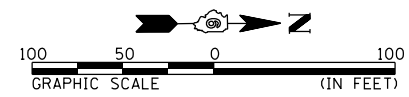
END IMPROVEMENT
STA 85+60.00 SERVICE DRIVE 451
455+99.13 283.71' RT FAP 322

36— STA 83+70.0 24.0' RT
PIPE CULVERT, CLASS D, TY 1, 18" Ø, 54'
USFL = 666.97 (83+96.0, 24.0' RT)
DSFL = 666.26 (83+42.0, 24.0' RT)

EX US 51 CURVE #617 DATA
 PI STA = 329+99.19
 $\Delta = 0^\circ 27' 58''$ (RT)
 $D = 0^\circ 2' 48''$
 $R = 122,929.92'$
 $T = 500.00'$
 $L = 999.99'$
 $E = 1.02'$
 PC STA = 324+99.19
 PT STA = 334+99.18

PARCEL NO 6069117
MICHAEL L. SWINEY

NW 1/4 SEC 25, T12N, R1E, 3RD PM



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAP 322 (US 51)
SECTION 11-13
CHRISTIAN COUNTY

SCALE: _____ DRAWN BY _____
DATE _____ CHECKED BY _____

FAP 322 (US 51) STA 448+00 TO STA 463+00

10/26/2012
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