DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CHECKS		
INT.	DATE	REASON

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-4	GENERAL NOTES AND STANDARDS
5-7	SUMMARY OF QUANTITIES
8-14	TYPICAL SECTIONS
15-29	SCHEDULE OF QUANTITIES
30-93	PLAN & PROFILES
94-135	CONSTRUCTION STAGING
136-169	EROSION AND SEDIMENT CONTROL PLANS
170-179	DRAINAGE PLAN & PROFILES
180-211	RIGHT OF WAY PLANS
212-215	ENTRANCE DETAILS
216	BUTT JOINT DETAILS
217-235	INTERSECTION DETAILS
236-237	CONCRETE COLLAR DETAILS
238	MAILBOX TURNOUT DETAILS
239-240	PAVEMENT STRIPING PLANS
241-258	BRIDGE PLANS
259-273	BOX CULVERT PLANS
274-277	BOX CULVERT EXTENTION PLANS
278-292	CULVERT DETAILS
293-304	DISTRICT STANDARDS
305-546	CROSS SECTIONS

△1 273A-273L CULVERT & STAGING DETAILS S.N. 040-8645

COMMITMENTS

THE CONTRACTOR WILL BE REQUIRED TO GIVE SKYLINE STEEL 30 DAYS NOTICE FOR MOVING THEIR STEEL THAT IS STORED ALONG THE ROW LINE BETWEEN THE ENTRANCES AT RIGHT STATION 1217+45 AND RIGHT STATION 1220+12. ALL WORK REQUIRING THE TEMPORARY CONSTRUCTION EASEMENT IN THIS LOCATION, EXCEPT CONSTRUCTION OF THE CONCRETE DRIVEWAYS SHALL BE COMPLETED IN 10 WORKING DAYS. THE MOVING OF THE STEEL STORED ALONG THE ROW LINE SHALL BE COORDINATED WITH KEVIN DHOM OF SKYLINE STEEL. ADDITIONALLY, DELINEATORS SHALL BE INSTALLED ALONG THE ROW LINE BETWEEN THE ENTRANCES AT RIGHT STATION 1217+45 AND RIGHT STATION 1219+06. THE DELINEATORS SHALL BE INSTALLED ON 10 FOOT CENTERS.

THE CONTRACTOR WILL NOT BE PERMITTED TO COMPLETE GRADING AND SHAPING DITCHES ON ANY FARM LAND WHILE CROPS ARE PRESENT. THE GRADING AND SHAPING SHALL BE COMPLETED IN SUCH A WAY THAT THE DISTURBED AREA IS FLAT ENOUGH TO BE FARMED UPON COMPLETION OF THE WORK.

LIST OF STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT REBARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420001-07	PAVEMENT JOINTS
420501-04	PCC PAVEMENT AND PCC BASE COURSE ADJACENT TO RAILROAD GRADE CROSSING
420701-02	PAVEMENT FABRIC
424001-05	CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
515001-03	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311-02	GRATING FOR CONCRETE FLARED END SECTION (FOR 24" THRU 54" PIPE)
542401-01	METAL END SECTIONS FOR PIPE CULVERTS
542406-01	METAL END SECTIONS FOR PIPE ARCHES
542606-02	REINFORCED CONCRETE PIPE TEE
602301-03	INLET, TYPE A
602306-03	INLET, TYPE B
602401-03	MANHOLE, TYPE A
602406-04	MANHOLE, TYPE A 6'-DIAMETER
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604006-04	FRAME AND GRATE, TYPE 3
604036-02	GRATE, TYPE 8
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
609001-05	BRIDGE APPROACH SHOULDER PAVEMENT AND DRAIN
630001-09	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-07	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-09	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
665001-02	WOVEN WIRE FENCE
666001-01	RIGHT-OF-WAY MARKERS
667101-01	PERMANENT SURVEY MARKERS
668001-01	US GEOLOGICAL SURVEY AND NATIONAL GEODETIC SURVEY BENCHMARKS RESETTING METHOD
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24' FROM PAVEMENT EDGE
701011-02	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-04	LANE CLOSURE 2L, 2W, DAY ONLY ON-ROAD TO 600MM (24") OFF ROAD FOR SPEEDS >= 45 MPH
701301-04	LANE CLOSURE, 2L2W, 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
701321-11	LANE CLOSURE 2L, 2W BRIDGE REPAIR WITH BARRIER
701326-04	LANE CLOSURE 2L, 2W PAVEMENT WIDENING, FOR SPEEDS >= 45 MPH
701501-06	URBAN LANE CLOSURE,2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
704001-06	TEMPORARY CONCRETE BARRIER
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
BLR 21-8	TYPICAL APPLICATIONS OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

•(5,6)Y,RS-2,6BR-7
CONTRACT NO. 94437

REVISIONS	
NAME	DATE
MDS - ADDED COMMITMENT FOR G&S DITCHES	5/13/10

△1 REVISED 2/22/12

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS AND HIGHWAY STANDARDS

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT.
HORIZ.
DATE: 09/16/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
703 CONSTITUTION DRIVE,
SPRINGFIELD, ILLINOIS 62703
PROFESSIONAL DESIGN FIRM, ENGINEERING CORPORATION
(217) 793-5894, (217) 793-6227 (FAX) E-MAIL: cadegr@greenebradford.com

COMPUTER FILE NO. GNOTES - 50

PROJECT 01256
5/13/10-MDS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	4

STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

*(5,6)Y,RS-2,6BR-7
CONTRACT NO. 94437

GENERAL NOTES

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	HOT-MIX ASPHALT LEVEL BINDER, 3/4" & VARIABLE
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5
FRICTION AGGREGATE:	N/A
MIXTURE USES:	HOT-MIX ASPHALT SURFACE COURSE, 1½"
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5
FRICTION AGGREGATE:	MIXTURE D
MIXTURE USES:	BINDER COURSE (FULL-DEPTH PAVEMENT AND VARIOUS DEPTHS)
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0
FRICTION AGGREGATE:	N/A
MIXTURE USES:	HOT-MIX ASPHALT SHOULDERS, 8" & 10"
AC/PG:	PG 58-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 30
MIXTURE COMPOSITION: (GRADATION MIXTURE)	MIXTURE COMPOSITION: IL-19.0L
FRICTION AGGREGATE:	N/A
MIXTURE USES:	HOT-MIX ASPHALT BASE COURSE, 8"
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0
FRICTION AGGREGATE:	N/A
MIXTURE USES:	INCIDENTAL HOT-MIX ASPHALT SURFACING
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-9.5
FRICTION AGGREGATE:	MIXTURE C
MIXTURE USES:	HOT-MIX ASPHALT BASE COURSE, 11½"
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0
FRICTION AGGREGATE:	N/A
MIXTURE USES:	PAVEMENT PATCHING
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0
FRICTION AGGREGATE:	N/A
MIXTURE USES:	PARTIAL DEPTH PATCHING
AC/PG:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ NDESIGN = 70
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL-19.0
FRICTION AGGREGATE:	N/A

THE CONTRACTOR SHALL USE EITHER RC-70, SS1H, OR SS1HP, APPLIED AT THE RATE DIRECTED BY THE ENGINEER, FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT).

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR ALL HOT-MIX ASPHALT.

THE PAY ITEM TEMPORARY RAMP HAS BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS. THE CONTRACT UNIT PRICE PER SQUARE YARD FOR TEMPORARY RAMP SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE RAMPS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

HOT-MIX ASPHALT	112 LBS/SQ YD/IN
BITUMINOUS MATERIALS (PRIME COAT)	0.08 GALLONS/SQ YD
AGGREGATE PRIME COAT	4.00 LBS/SQ YD
GRANULAR MATERIAL	2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.375 GALLONS/SQ YD

ALL TRENCHES UNDER THE PROPOSED PAVEMENT STRUCTURE SHALL BE BACKFILLED IN ACCORDANCE TO SECTION 208 OF THE STANDARD SPECIFICATIONS. THE FINAL 12" OF TRENCH BACKFILL SHALL BE CA6 MATERIAL AND IF THE TRENCH IS IN AN AREA WITH PROCESSING MODIFIED SOILS THE FINAL 12" OF TRENCH BACKFILL SHALL BE ELIMINATED. ALL MATERIAL NEEDED SHALL BE CONSIDERED INCLUDED IN THIS CONTRACT ITEM PER CUBIC YARD.

FOUR TYPE II CAST IN PLACE PERMANENT SURVEY MARKERS SHALL BE PLACED WITHIN THE PROJECT LIMITS. THE TABLET STYLE SHALL CONFORM TO STANDARD 668001. THE LOCATION OF THE SURVEY MARKER SHALL BE DETERMINED BY THE ENGINEER AND THE CHIEF OF SURVEYS. THE SURVEY MARKER LOCATION WILL ALSO BE CROSS TIED AND ELEVATED.

ALL MAILBOXES SHALL BE RELOCATED IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 406201. COST OF RELOCATIONS SHALL BE INCLUDED IN THE COST OF THE PROJECT.

⚠ HMA BASE COURSE WIDENING SHALL INCLUDE ALL EXCAVATION AND FURNISH EXCAVATION FOR CONSTRUCTION OF THE WIDENING INCLUDING THE FURNISH REQUIRED FOR THE TEMPORARY PIPE CULVERT. THE WIDENING SHALL BE REMOVED PRIOR TO CONSTRUCTION OF HMA BINDER COURSE. REMOVAL SHALL BE INCLUDED IN THE COST OF HMA BASE COURSE WIDENING.

⚠ REVISED 2/22/12

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. HORIZ.
DATE: 09/16/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC. OF SPRINGFIELD

COMPUTER FILE NO. GNOTES - 50
PROJECT 01256
2/26/10-FAV

DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CHECKS		
INT.	DATE	REASON

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE ROADWAY 0004	100% CITY CITY 0021	80% FED. 20% STATE TRAINEES 0042	80% FED 20% STATE BRIDGE 0011
*	A2000716	TREE, ACER PLATANOIDES COLUMNARE, (COLUMNAR NORWAY MAPLE), 2" CALIPER BALLED AND BURLAPPED	EACH	11	11			
*	A2001020	TREE, ACER RUBRUM (RED MAPLE), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*	A2006920	TREE, QUERCUS PALUSTRIS (PIN OAK), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*	D2002984	EVERGREEN, PINUS STROBUS, (EASTERN WHITE PINE), 7' HEIGHT, BALLED AND BURLAPPED	EACH	1	1			
*	K0012950	HERBICIDE SPRAYING	ACRE	5.1	5.1			
	X0322936	REMOVE EXISTING FLARED END SECTION	EACH	10	10			
	X0323265	REMOVE EXISTING RIPRAP	SQ YD	621	621			
	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	233	83			150
	X2111000	TOPSOIL EXCAVATION	CU YD	55,670	55,670			
	X2111110	TOPSOIL PLACEMENT	CU YD	29,697	29,697			
*	X2501810	SEEDING, CLASS 5 (SPECIAL)	ACRE	5.1	5.1			
	X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	18	18			
	X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	29	29			
	X4023000	TEMPORARY ACCESS (ROAD)	EACH	31	31			
	X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	4,252	4,252			
	X4404400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	9,613	9,613			
	X6660100	FURNISHING RIGHT-OF-WAY MARKERS, SPECIAL	EACH	18	18			
	X7010202	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)	EACH	3 → 2				1
△	Z0014700	CULVERT TO BE CLEANED	EACH	1	1			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	Z0022800	FENCE REMOVAL	FOOT	1,608	1,608			
	Z0023600	FILLING EXISTING CULVERTS	EACH	13	13			
△	Z0023602	GRANULAR CULVERT BACKFILL	CU YD	370	370			
	Z0026407	TEMPORARY SHEET PILING	SQ FT	630	630			
	Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 2	EACH	8 → 6				2
	Z0030340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE) TEST LEVEL 2	EACH	8 → 6				2
	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES, 4"	FOOT	161				161
	Z0048665	RAILROAD PROTECTION LIABILITY INSURANCE	L SUM	1	1			
	Z0054505	ROCK FILL - REPLACEMENT	TON	103	103			
	Z0073002	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	757 → 228				529
	Z0076600	TRAINEES	HOUR	1,000			1,000	
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	283	283			
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	188	188			
	20200100	EARTH EXCAVATION	CU YD	84,951	84,951			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2,778	2,778			
	20400800	FURNISHED EXCAVATION	CU YD	356	356			
	20800150	TRENCH BACKFILL	CU YD	2,444	2,444			
	21400100	GRADING AND SHAPING DITCHES	FOOT	2,833	2,833			
	25000100	SEEDING, CLASS 1	ACRE	6.5	6.5			
	25000200	SEEDING, CLASS 2	ACRE	91.5	91.5			
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	9,265	9,265			
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	9,265	9,265			
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	9,265	9,265			
	25000700	AGRICULTURAL GROUND LIMESTONE	TON	207.2	207.2			
	25100115	MULCH, METHOD 2	ACRE	98.0	98.0			
	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	3,426	3,426			
	25100900	TURF REINFORCEMENT MAT	SQ YD	5,027	5,027			
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	29,760	29,760			

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE ROADWAY 0004	100% CITY CITY 0021	80% FED 20% STATE TRAINEES 0042	80% FED 20% STATE BRIDGE 0011
28000305	TEMPORARY DITCH CHECKS	FOOT	1,820	1,820			
28000400	PERIMETER EROSION BARRIER	FOOT	4,232	4,232			
28000500	INLET AND PIPE PROTECTION	EACH	210	210			
28100103	STONE RIPRAP, CLASS A2	SQ YD	232	232			
28100107	STONE RIPRAP, CLASS A4	SQ YD	2918 → 2263				655
28100707	STONE DUMPED RIPRAP, CLASS A4	SQ YD	125	125	△		
28200200	FILTER FABRIC	SQ YD	3043 → 2388				655
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	18,721	18,721			
30201500	LIME	TON	433	433			
35101400	AGGREGATE BASE COURSE, TYPE B	TON	589	589			
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	6,217	6,217			
35501316	HOT-MIX ASPHALT BASE COURSE 8"	SQ YD	15,589	15,589			
35501332	HOT-MIX ASPHALT BASE COURSE 12"	SQ YD	3,544	3,544			
35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	158	158	△		
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	1,198	1,198			
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1,523	1,523			
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	4,547	4,547			
40300500	COVER COAT AGGREGATE	TON	65	65			
40300600	SEAL COAT AGGREGATE	TON	127	127			
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	16,190	16,190			
40600300	AGGREGATE (PRIME COAT)	TON	326	326			
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	2,765	2,765			
40600895	CONSTRUCTING TEST STRIP	EACH	1	1			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	433	433			
40600990	TEMPORARY RAMP	SQ YD	121	121			
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,092	1,092			
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	72	72			
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	17,794	17,794			
40701951	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 13 1/2"	SQ YD	3,026	3,026			
40600050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1,089	1,089			
42000200	PORTLAND CEMENT CONCRETE PAVEMENT 7"	SQ YD	1,373	1,373			
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	1,184	1,184			
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	278	278			
42001200	PAVEMENT FABRIC	SQ YD	2,244	2,244			
42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	56	56			
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	415	415			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	2,503	2,503			
42300600	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 10 INCH	SQ YD	1,060	1,060			
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	20,280	11,178	9,102		
42400800	DETECTABLE WARNINGS	SQ FT	200	110	90		
44000100	PAVEMENT REMOVAL	SQ YD	5,618	5,618			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	2,157	2,157			
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	489	489			
44000600	SIDEWALK REMOVAL	SQ FT	1,676	1,676			
44003100	MEDIAN REMOVAL	SQ FT	77	77			
44004250	PAVED SHOULDER REMOVAL	SQ YD	15	15			
44200168	PAVEMENT PATCHING, TYPE II 14 INCH	SQ YD	380	380			
44200172	PAVEMENT PATCHING, TYPE III 14 INCH	SQ YD	33	33			
44200174	PAVEMENT PATCHING, TYPE IV 14 INCH	SQ YD	126	126			
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	300	300			
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	300	300	△		
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	450	450			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	545	5
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

*(5,6)Y,RS-2,6BR-7
CONTRACT NO. 94437

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT.
HORIZ.
DATE: 09/16/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC.
OF SPRINGFIELD
CONSULTING ENGINEERS
350 CONSTITUTION DRIVE
POST OFFICE BOX 19245
PROFESSIONAL DESIGN FIRM NO. 184-001573
PROFESSIONAL & STRUCTURAL ENGINEERING CORPORATION
(217) 787-6916, (217) 793-5207 FILE MAIL - cosg@greenebradford.com

COMPUTER FILE NO. SUMMARY - 50

PROJECT 01256
4/21/11 - AH

△NP - NON PARTICIPATING 1 REVISED 2/22/12 * SPECIALTY ITEM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	545	6

STA. TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

*(5,6)Y,RS-2,6BR-7
CONTRACT NO. 94437

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED. 20% STATE ROADWAY 0004	100% CITY CITY 0021	80% FED 20% STATE TRAINEES 0042	80% FED 20% STATE BRIDGE 0011
48101200	AGGREGATE SHOULDERS, TYPE B	TON	64	64			
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	58,999	58,999			
48203023	HOT-MIX ASPHALT SHOULDERS 6 1/2"	SQ YD	33,983	33,983			
48203029	HOT-MIX ASPHALT SHOULDERS 8"	SQ YD	3,857	3,857			
48203037	HOT-MIX ASPHALT SHOULDERS 10"	SQ YD	716	716			
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1				1
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			
50101000	REMOVAL OF EXISTING STRUCTURES NO. 8	EACH	1	1			
50101100	REMOVAL OF EXISTING STRUCTURES NO. 9	EACH	1	1			
50101300	REMOVAL OF EXISTING STRUCTURES NO. 11	EACH	1	1			
50101400	REMOVAL OF EXISTING STRUCTURES NO. 12	EACH	1	1			
50101410	REMOVAL OF EXISTING STRUCTURES NO. 13	EACH	1	1			
50101415	REMOVAL OF EXISTING STRUCTURES NO. 14	EACH	1	1			
50101420	REMOVAL OF EXISTING STRUCTURES NO. 15	EACH	1	1			
50101421	REMOVAL OF EXISTING STRUCTURES NO. 16	EACH	1	1			
50101422	REMOVAL OF EXISTING STRUCTURES NO. 17	EACH	1	1			
50101423	REMOVAL OF EXISTING STRUCTURES NO. 18	EACH	1	1			
50101424	REMOVAL OF EXISTING STRUCTURES NO. 19	EACH	1	1			
50101425	REMOVAL OF EXISTING STRUCTURES NO. 20	EACH	1	1			
50101426	REMOVAL OF EXISTING STRUCTURES NO. 21	EACH	1	1			
(Rev. 1) 50101427	REMOVAL OF EXISTING STRUCTURES NO. 22	EACH	1	1			
50102400	CONCRETE REMOVAL	CU YD	11.7	11.7			
50104400	CONCRETE HEADWALL REMOVAL	EACH	7	7			
50105220	PIPE CULVERT REMOVAL	FOOT	3,183	3,183			
50200100	STRUCTURE EXCAVATION	CU YD	500	300			200
(Rev. 1) 50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	93	93			
50200450	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL FOR STRUCTURES	CU YD	51	51			
50300100	FLOOR DRAINS	EACH	10				10
50300225	CONCRETE STRUCTURES	CU YD	39.6				39.6
50300255	CONCRETE SUPERSTRUCTURES	CU YD	147.9				147.9
50300260	BRIDGE DECK GROOVING	SQ YD	381				381
50300300	PROTECTIVE COAT	SQ YD	477				477
50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1				1
50500505	STUD SHEAR CONNECTORS	EACH	1,827				1,827
50800105	REINFORCEMENT BARS	POUND	52,574	52,574			
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	32,580				32,580
50800515	BAR SPLICERS	EACH	419	48			371
51201600	FURNISHING STEEL PILES HP 12 X 53	FOOT	871				871
51202305	DRIVING PILES	FOOT	871				871
51203600	TEST PILE STEEL HP 12 X 53	EACH	1				1
51204650	PILE SHOES	EACH	14				14
51500100	NAME PLATES	EACH	2	1			1
(Rev. 1) 54000175	BOX CULVERT END SECTION, CULVERT NO. 75	EACH	2	2			
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	2	2			
54001004	BOX CULVERT END SECTION, CULVERT NO. 4	EACH	2	2			
54001007	BOX CULVERT END SECTION, CULVERT NO. 7	EACH	2	2			
54001009	BOX CULVERT END SECTION, CULVERT NO. 9	EACH	2	2			

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	80% FED 20% STATE ROADWAY 0004	100% CITY CITY 0021	80% FED 20% STATE TRAINEES 0042	80% FED. 20% STATE BRIDGE 0011
54001011	BOX CULVERT END SECTION, CULVERT NO. 11	EACH	2	2			
54001016	BOX CULVERT END SECTION, CULVERT NO. 16	EACH	2	2			
54001043	BOX CULVERT END SECTION, CULVERT NO. 43	EACH	2	2			
54001044	BOX CULVERT END SECTION, CULVERT NO. 44	EACH	2	2			
54002020	EXPANSION BOLTS 3/4 INCH	EACH	288	288			
54003000	CONCRETE BOX CULVERTS	CU YD	213.2	213.2			
54010202	PRECAST CONCRETE BOX CULVERT 2' X 2'	FOOT	54	54			
54010302	PRECAST CONCRETE BOX CULVERT 3' X 2'	FOOT	235	235			
54010402	PRECAST CONCRETE BOX CULVERT 4' X 2'	FOOT	76	76			
(Rev. 1) 54011208	PRECAST CONCRETE BOX CULVERTS 12' X 8'	FOOT	60	60			
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	364	364			
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	134	134			
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	1,296	1,296			
542A0235	PIPE CULVERTS, CLASS A, TYPE 1 30"	FOOT	84	84			
542A0253	PIPE CULVERTS, CLASS A, TYPE 1 48"	FOOT	48	48			
542A1063	PIPE CULVERTS, CLASS A, TYPE 2 18"	FOOT	96	96			
542A5473	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 18"	FOOT	46	46			
542A5479	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	612	612			
542A5485	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 30"	FOOT	44	44			
542A5491	PIPE CULVERTS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 36"	FOOT	260	260			
542D0217	PIPE CULVERTS, CLASS D, TYPE 1 12"	FOOT	40	40			
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	264	264			
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	376	376			
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	376	376			
542D5479	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	152	152			
542JA012	PIPE CULVERTS, CLASS A 12" (JACKED)	FOOT	77	77			
542JA024	PIPE CULVERTS, CLASS A 24" (JACKED)	FOOT	364	364			
(Rev. 1) 5421D018	PIPE CULVERTS, CLASS D, TYPE 1, 18" (TEMPORARY)	FOOT	85	85			
54213450	END SECTIONS 15"	EACH	14	14			
54213453	END SECTIONS 18"	EACH	14	14			
54213459	END SECTIONS 24"	EACH	17	17			
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	4	4			
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	17	17			
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	4	4			
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	42	42			
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	4	4			
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1			
54213693	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 48"	EACH	2	2			
54214299	END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	2	2			
54214503	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - EQUIVALENT ROUND-SIZE 18"	EACH	2	2			
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - EQUIVALENT ROUND-SIZE 24"	EACH	20	20			
54214515	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - EQUIVALENT ROUND-SIZE 30"	EACH	2	2			
54214521	PRECAST REINFORCED CONCRETE FLARED END SECTIONS - EQUIVALENT ROUND-SIZE 36"	EACH	6	6			
(Rev. 1) 54215553	METAL END SECTIONS, 18"	EACH	2	2			
54216555	REINFORCED CONCRETE PIPE TEE, 15" PIPE WITH 15" RISER	EACH	1	1			
54216580	REINFORCED CONCRETE PIPE TEE, 30" PIPE WITH 15" RISER	EACH	1	1			
54216597	REINFORCED CONCRETE PIPE TEE, 36" PIPE WITH 15" RISER	EACH	1	1			
54247150	GRATING FOR CONCRETE FLARED END SECTION 30"	EACH	2	2			
54247190	GRATING FOR CONCRETE FLARED END SECTION 48"	EACH	2	2			
54248160	GRATING FOR CONCRETE FLARED END SECTION EQUIVALENT ROUND-SIZE 36"	EACH	4	4			

(1) REVISED 2/22/12

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT. HORIZ.
DATE: 09/16/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC. OF SPRINGFIELD

COMPUTER FILE NO. SUMMARY - 50
PROJECT 01256
4/21/11 - AH

DESIGN		
INT.	DATE	REASON

PLOTS & CHECKS			
INT.	DATE	NO.	REASON

CHECKS		
INT.	DATE	REASON

SUMMARY OF QUANTITIES				80% FED 20% STATE	100% CITY	80% FED 20% STATE	80% FED 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	CITY 0021	TRAINEES 0042	BRIDGE 0011
54248510	CONCRETE COLLAR	CU YD	5.6	5.6			
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	400	400			
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	2,063	2,063			
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	209	209			
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	671	671			
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	327	327			
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	250	250			
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	1,482	1,482			
550A0430	STORM SEWERS, CLASS A, TYPE 2 30"	FOOT	122	122			
550A0450	STORM SEWERS, CLASS A, TYPE 2 36"	FOOT	481	481			
550A2330	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 15"	FOOT	233	233			
550A2340	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 18"	FOOT	265	265			
550A2540	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 18"	FOOT	235	235			
550A2560	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 2 24"	FOOT	250	250			
55100500	STORM SEWER REMOVAL 12"	FOOT	40	40			
55100700	STORM SEWER REMOVAL 15"	FOOT	647	647			
55100900	STORM SEWER REMOVAL 18"	FOOT	263	263			
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	81.0				81.0
60100915	PIPE DRAINS 6"	FOOT	50	50			
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3			
60218500	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	5	5			
60219000	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	7	7			
60221200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	6	6			
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	18	18			
60223810	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	2	2			
60224005	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 8 GRATE	EACH	4	4			
60235300	INLETS, TYPE A, TYPE 1 FRAME CLOSED LID	EACH	1	1			
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	19	19			
60236200	INLETS, TYPE A, TYPE 8 GRATE	EACH	15	15			
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	32	32			
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	2	2			
60260100	INLETS TO BE ADJUSTED	EACH	2	2			
60500040	REMOVING MANHOLES	EACH	3	3			
60500060	REMOVING INLETS	EACH	4	4			
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	10,543	10,543			
60608600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.06	FOOT	47	47			
60610400	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-6.24	FOOT	65	65			
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	398	398			
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	850	850			
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2	2			
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4			
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1, SPECIAL (TANGENT)	EACH	4	4			
63200310	GUARDRAIL REMOVAL	FOOT	4,690	4,690			
* 63300725	STEEL BEAM GUARDRAIL (SHORT RADIUS)	FOOT	75	75			
63301210	REMOVE AND RE-ERECT STEEL BEAM GUARD RAIL, TYPE A	FOOT	223	223			
63500105	DELINEATORS	EACH	17	17			
66500105	WOVEN WIRE FENCE 4'	FOOT	420	420			
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	144	144			
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	41	41			
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	4	4			

SUMMARY OF QUANTITIES				80% FED 20% STATE	100% CITY	80% FED 20% STATE	80% FED 20% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0004	CITY 0021	TRAINEES 0042	BRIDGE 0011
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	24	24			
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	24	24			
67100100	MOBILIZATION	L SUM	1	1			
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1			
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	0.67			0.33
70101830	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DAY	30	30			
X7010210	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	EACH	1	1			
70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	3	3			
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7,776	7,776			
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	123.6	123.6			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	461,638	461,638			
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1,836	1,836			
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	618	618			
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	4,404	4,404			
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	1,389	1,389			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	16,029	16,029			
70400100	TEMPORARY CONCRETE BARRIER	FOOT	1337.5	1337.5			
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	1337.5	1337.5			
70500500	TEMPORARY STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	12	12			
* 72000100	SIGN PANEL - TYPE 1	SQ FT	90	90			
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	150	150			
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	282	282			
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	162	162			
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	136,197	136,197			
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	90	90			
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	123.6	123.6			
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	12,774	12,774			
* 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	330	330			
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	206	206			
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	1,468	1,468			
* 78005180	EPOXY PAVEMENT MARKING - LINE 24"	FOOT	135	135			
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	937	937			
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	16	16			
* 78200520	BARRIER WALL MARKERS, TYPE B	EACH	2	2			
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4			

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	545	7
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

•(5,6)Y,RS-2,6BR-7
CONTRACT NO. 94437

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

FAP ROUTE 95 (IL RTE. 33)
SECTION (5,6)Y,RS-2,6BR-7
JASPER COUNTY

SCALE: VERT.
HORIZ.
DATE: 09/16/02

DRAWN BY: BISHOP
DESIGNED BY: COLBROOK
CHECKED BY: COLBROOK

GREENE & BRADFORD, INC. OF SPRINGFIELD
CONSULTING ENGINEERS
350 CONSTITUTION DRIVE
SPRINGFIELD, ILLINOIS 62711
PROFESSIONAL DESIGN FIRM NO. 184-001579
PROFESSIONAL SURVEYING CORPORATION
(217) 793-3674, (217) 793-3227 FILE MAIL

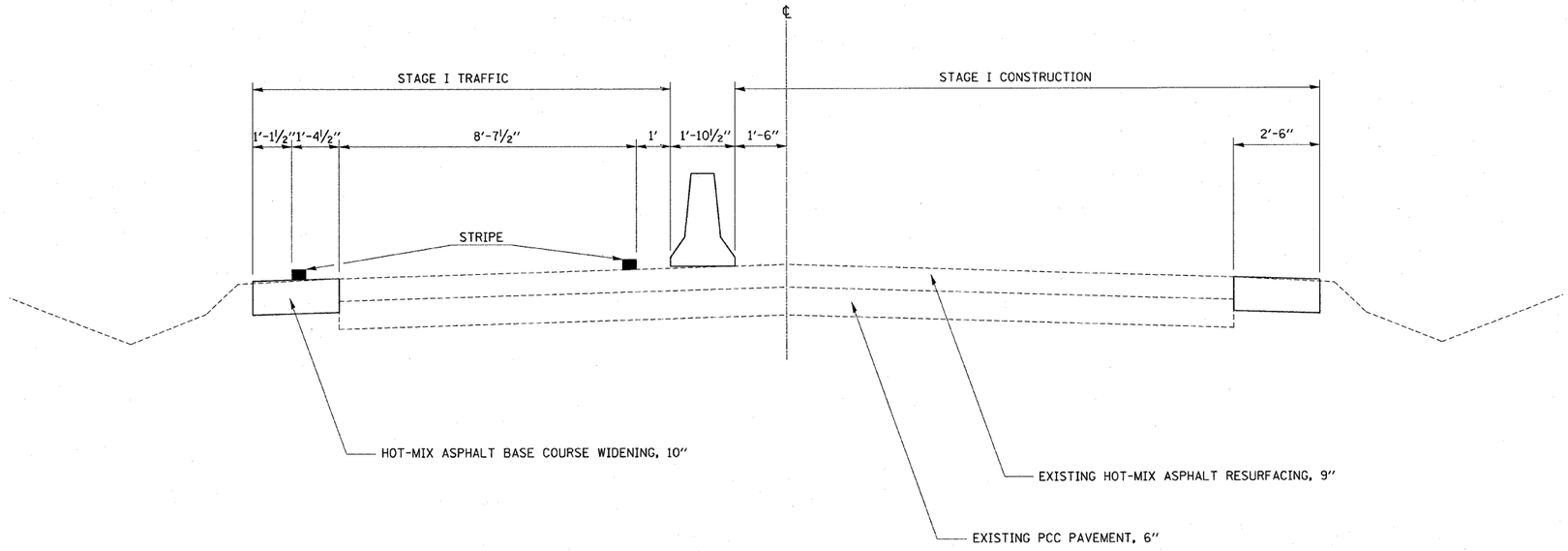
COMPUTER FILE NO. SUMMARY - SQ
PROJECT 01256
4/21/11 - AH

*SPECIALTY ITEM ⚠ REVISED 2/22/12

CONTRACT NO. 94437

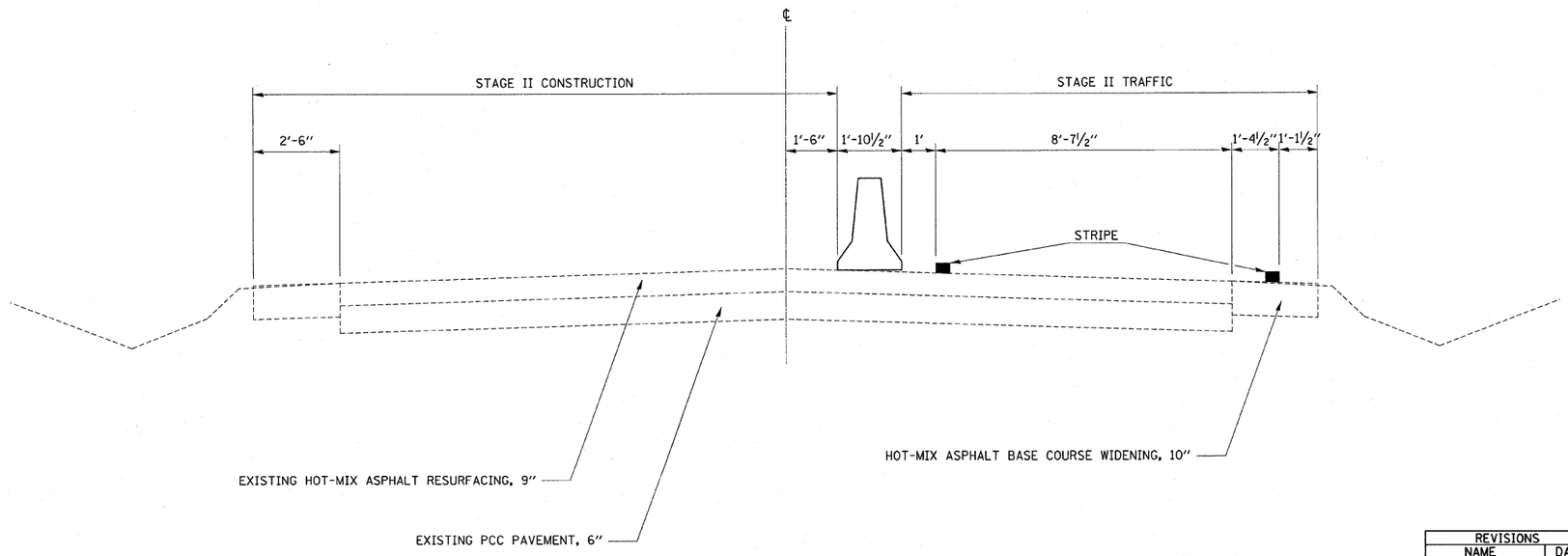
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	273A
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (5,6)Y,RS-2,6BR-7



STAGE I - STRUCTURE NO. 040-8645

NOTE: NOT DRAWN TO SCALE



STAGE II - STRUCTURE NO. 040-8645

NOTE: NOT DRAWN TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL CROSS SECTIONS (S.N. 040-8645)

SCALE: VERT. N/A
HORIZ.
DATE 02-07-12

DRAWN BY RWS
CHECKED BY

⚠1 SHEET ADDED 2/22/12

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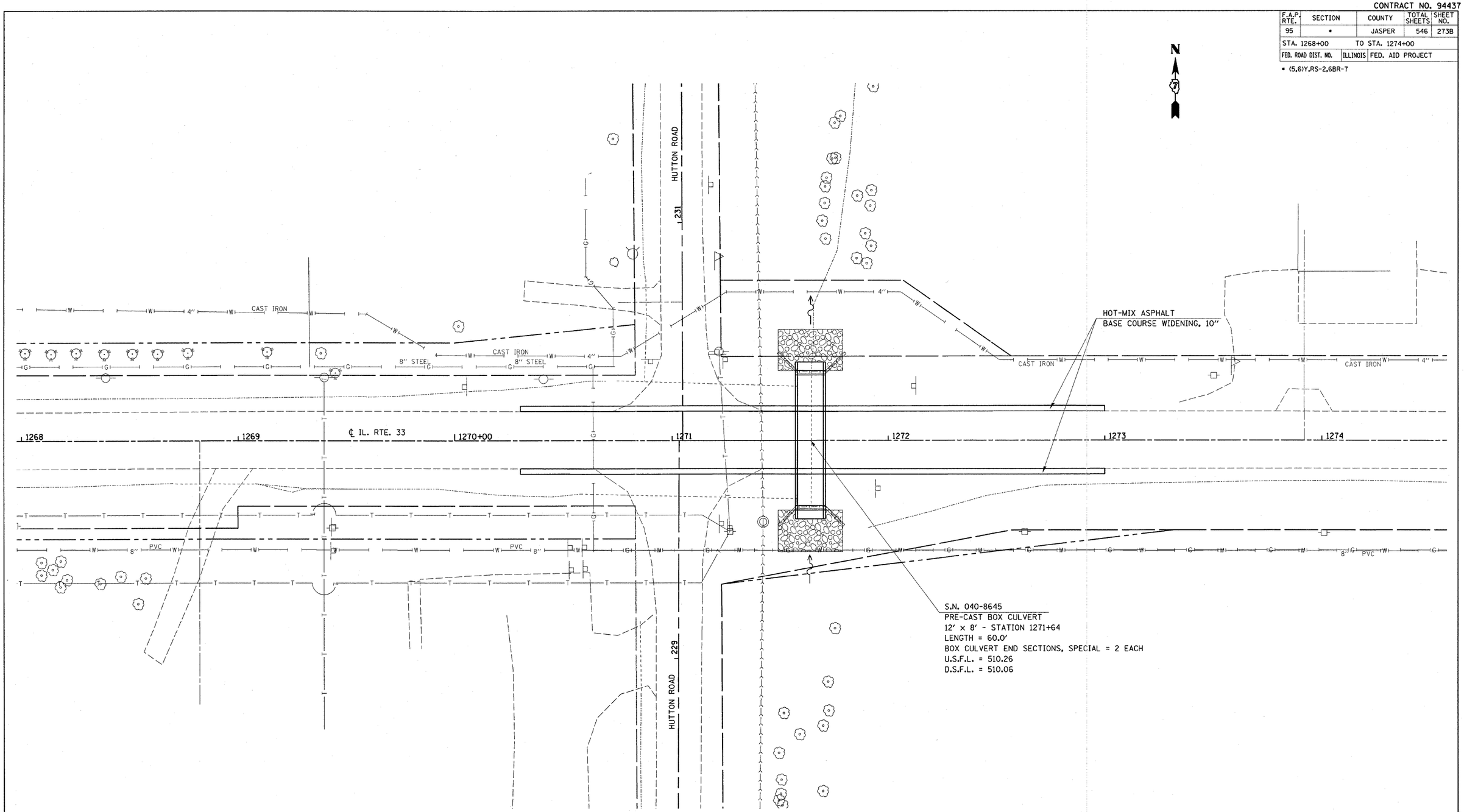
CONTRACT NO. 94437

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	273B
STA. 1268+00		TO STA. 1274+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (5,6)Y,RS-2,6BR-7



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REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN
S. N. 040-8645

SCALE: VERT.
HORIZ. 20
DATE 02-07-12

DRAWN BY RWS
CHECKED BY

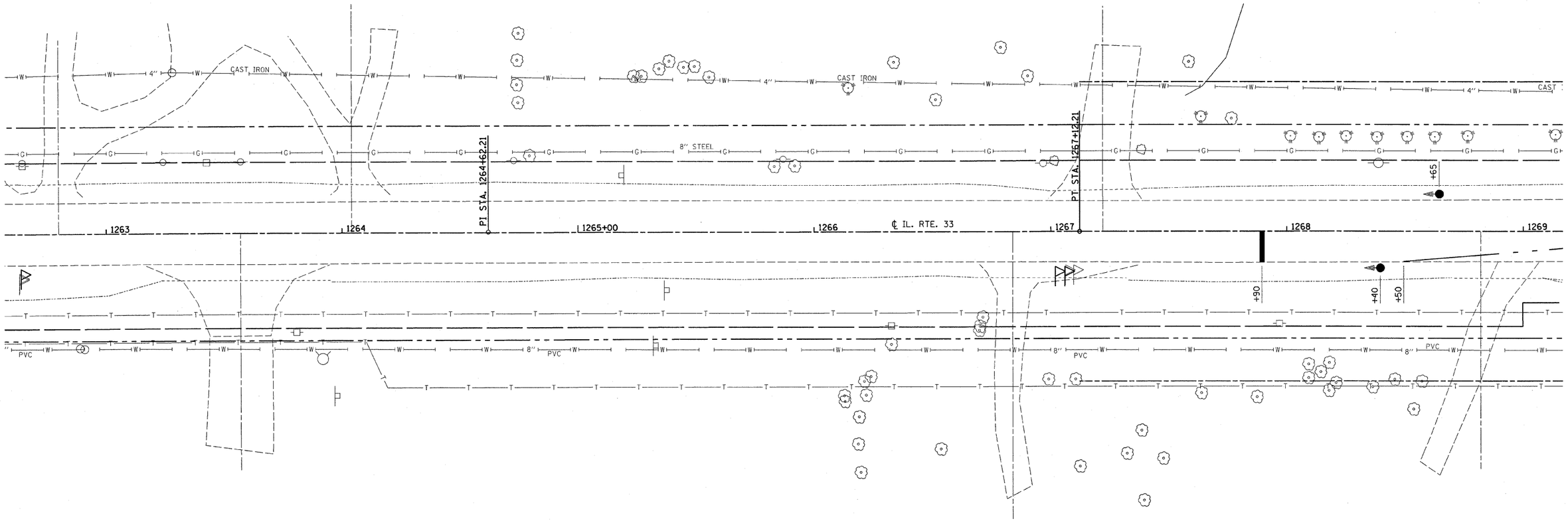
⚠1 SHEET ADDED 2/22/12

CONTRACT NO. 94437

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	273C
STA. 1263+00		TO STA. 1269+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (5,6)Y,RS-2,6BR-7

N



LEGEND

- TEMPORARY BRIDGE TRAFFIC SIGNALS
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 2
- TEMPORARY CONCRETE BARRIER
- STOP BAR

⚠ SHEET ADDED 2/22/12

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE I

S. N. 040-8645

SCALE: VERT. HORIZ. 20

DATE 02-07-12

DRAWN BY RWS

CHECKED BY

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CONTRACT NO. 94437

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	•	JASPER	546	273D
STA. 1268+00		TO STA. 1274+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

• (5,6)Y,RS-2,6BR-7

HOT-MIX ASPHALT BASE COURSE WIDENING 10"

LT 1270+30 TO 1273+00	75.0 SQ YD
RT 1270+30 TO 1273+00	75.0 SQ YD
TOTAL =	150.0 SQ YD

TEMPORARY CONCRETE BARRIER

1270+09 TO 1273+21	312.5 FOOT
TOTAL =	312.5 FOOT

IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2

1270+09	1.0 EACH
1273+21	1.0 EACH
TOTAL =	2.0 EACH

TEMPORARY BRIDGE TRAFFIC SIGNALS

SN 040-8645	1.0 EACH
TOTAL =	1.0 EACH

PIPE CULVERTS (TEMPORARY), CLASS D, TYPE 1, 18"

1272+25 TO 1273+10	85.0 FOOT
TOTAL =	85.0 FOOT

METAL END SECTIONS 18"

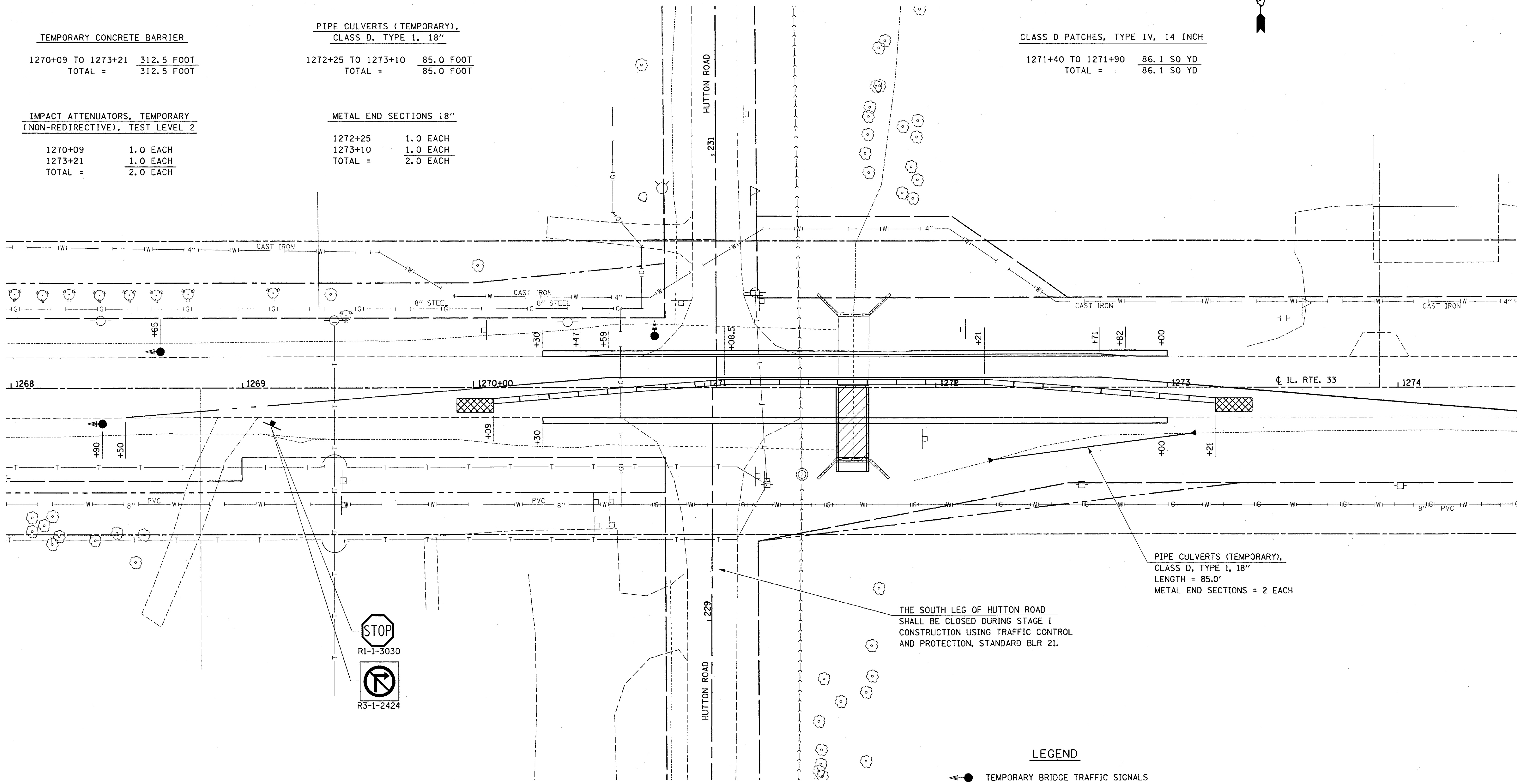
1272+25	1.0 EACH
1273+10	1.0 EACH
TOTAL =	2.0 EACH

TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)

SN 040-8645	0.5 EACH
TOTAL =	0.5 EACH

CLASS D PATCHES, TYPE IV, 14 INCH

1271+40 TO 1271+90	86.1 SQ YD
TOTAL =	86.1 SQ YD



LEGEND

- TEMPORARY BRIDGE TRAFFIC SIGNALS
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 2
- TEMPORARY CONCRETE BARRIER
- STOP BAR
- REMOVAL OF EXISTING STRUCTURE NO. 22

⚠ SHEET ADDED 2/22/12

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE I

S.N. 040-8645

SCALE: VERT. HORIZ. 20
DATE 02-07-12
DRAWN BY RWS
CHECKED BY

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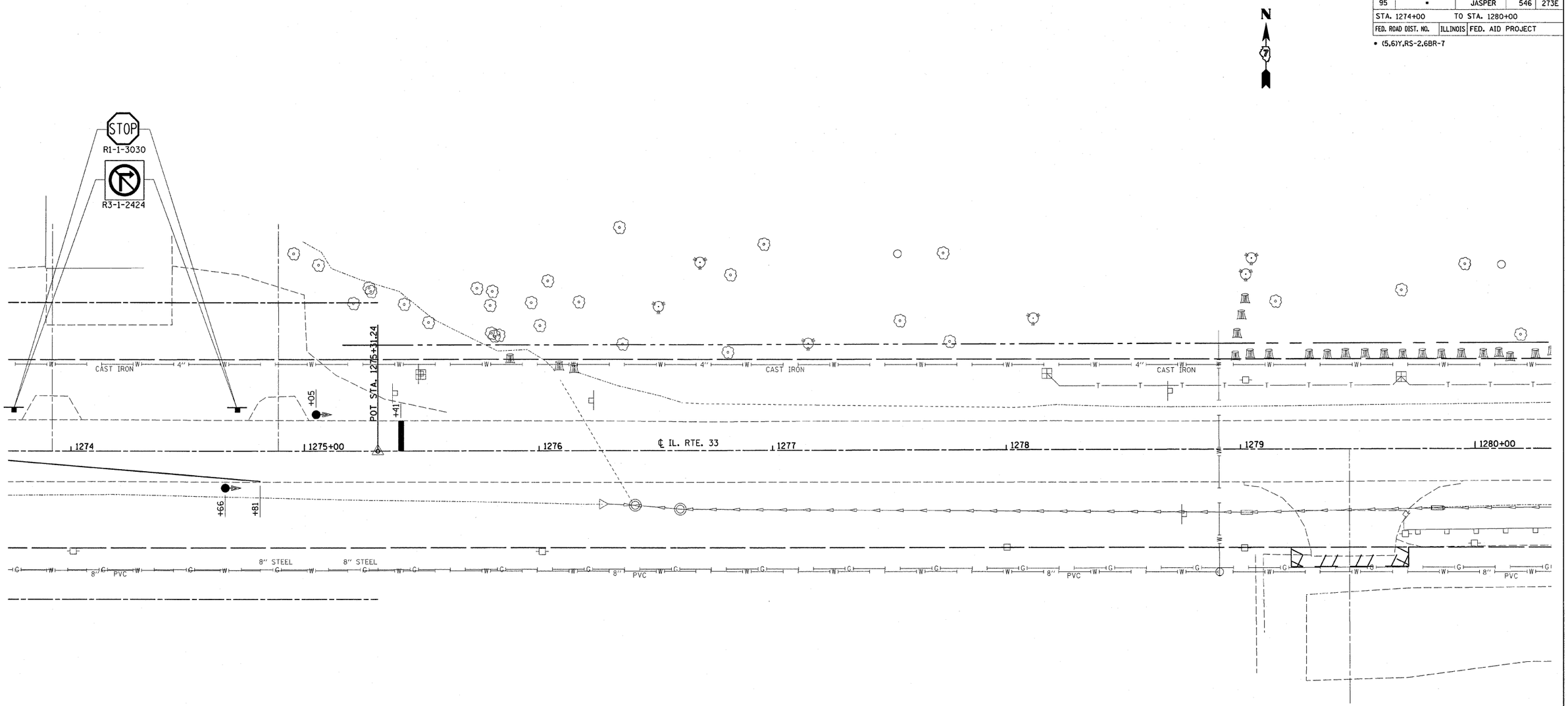
CONTRACT NO. 94437

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	273E
STA. 1274+00		TO STA. 1280+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (5,6)Y,RS-2,6BR-7



LEGEND

- TEMPORARY BRIDGE TRAFFIC SIGNALS
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 2
- TEMPORARY CONCRETE BARRIER
- STOP BAR

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE I
S. N. 040-8645

SCALE: VERT.
HORIZ. 20
DATE 02-07-12

DRAWN BY RWS
CHECKED BY

1 SHEET ADDED 2/22/12

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CONTRACT NO. 94437

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	273F
STA. 1263+00		TO STA. 1269+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (5,6)Y,RS-2,6BR-7

N

7

CAST IRON

8" STEEL

PVC

PI STA. 1264+62.21

PT STA. 1267+12.21

℄ IL. RTE. 33

1263 1264 1265+00 1266 1267 1268 1269

+50 +65 +90 +40

LEGEND

- TEMPORARY BRIDGE TRAFFIC SIGNALS
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 2
- TEMPORARY CONCRETE BARRIER
- STOP BAR

⚠1 SHEET ADDED 2/22/12

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE II

S. N. 040-8645

SCALE: VERT.
HORIZ. 20
DATE 02-07-12

DRAWN BY RWS
CHECKED BY

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CONTRACT NO. 94437

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	273G
STA. 1268+00		TO STA. 1274+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (5,6)Y,RS-2,6BR-7

RELOCATE TEMPORARY CONCRETE BARRIER

1270+09 TO 1273+21	312.5 FOOT
TOTAL =	312.5 FOOT

TRAFFIC CONTROL AND PROTECTION, STANDARD 701321 (SPECIAL)

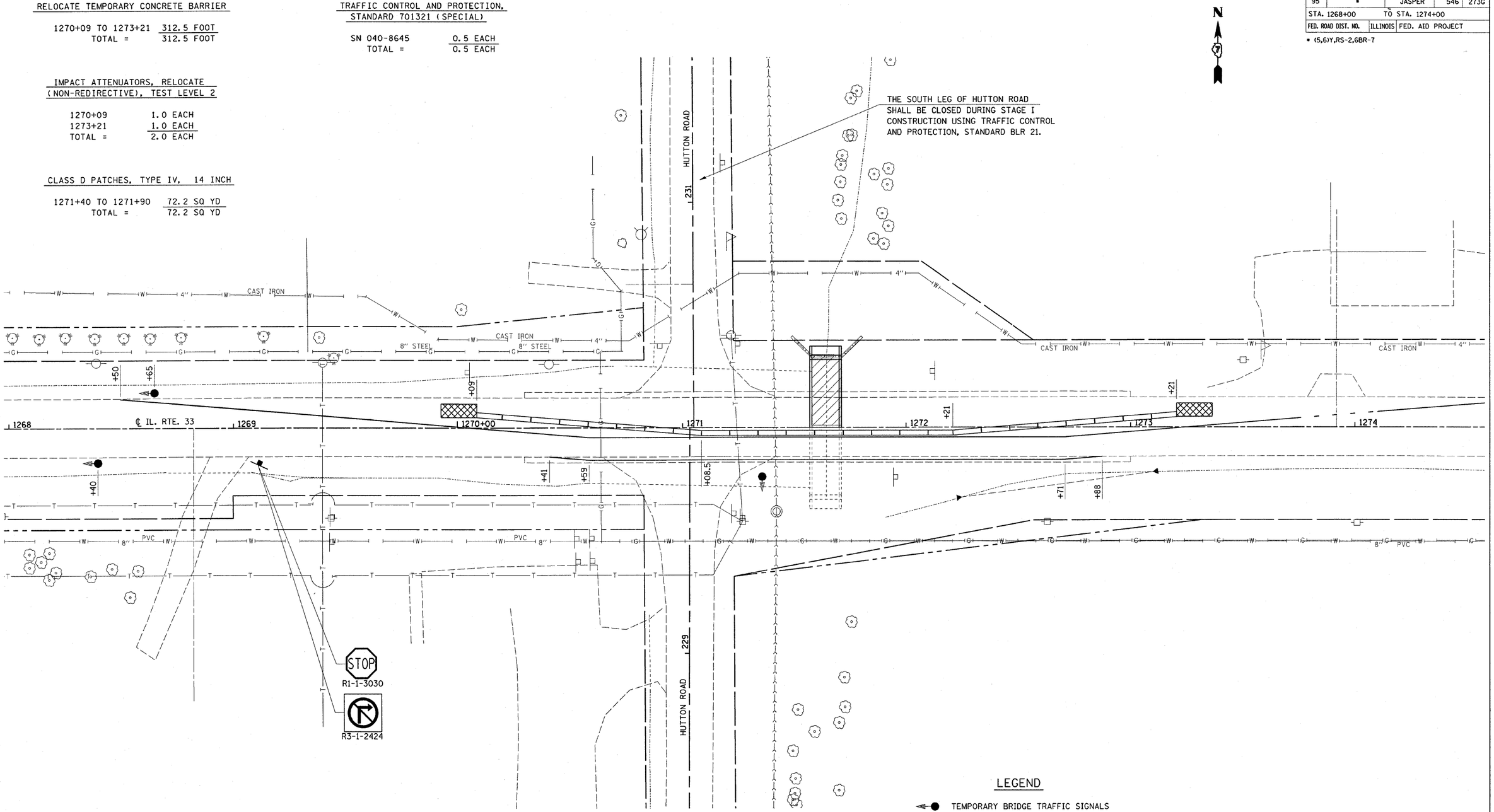
SN 040-8645	0.5 EACH
TOTAL =	0.5 EACH

IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2

1270+09	1.0 EACH
1273+21	1.0 EACH
TOTAL =	2.0 EACH

CLASS D PATCHES, TYPE IV, 14 INCH

1271+40 TO 1271+90	72.2 SQ YD
TOTAL =	72.2 SQ YD



LEGEND

- TEMPORARY BRIDGE TRAFFIC SIGNALS
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 2
- TEMPORARY CONCRETE BARRIER
- STOP BAR
- REMOVAL OF EXISTING STRUCTURE NO. 22

⚠1 SHEET ADDED 2/22/12

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE II
S. N. 040-8645

SCALE: VERT.
HORIZ. 20
DATE 02-07-12

DRAWN BY RWS
CHECKED BY

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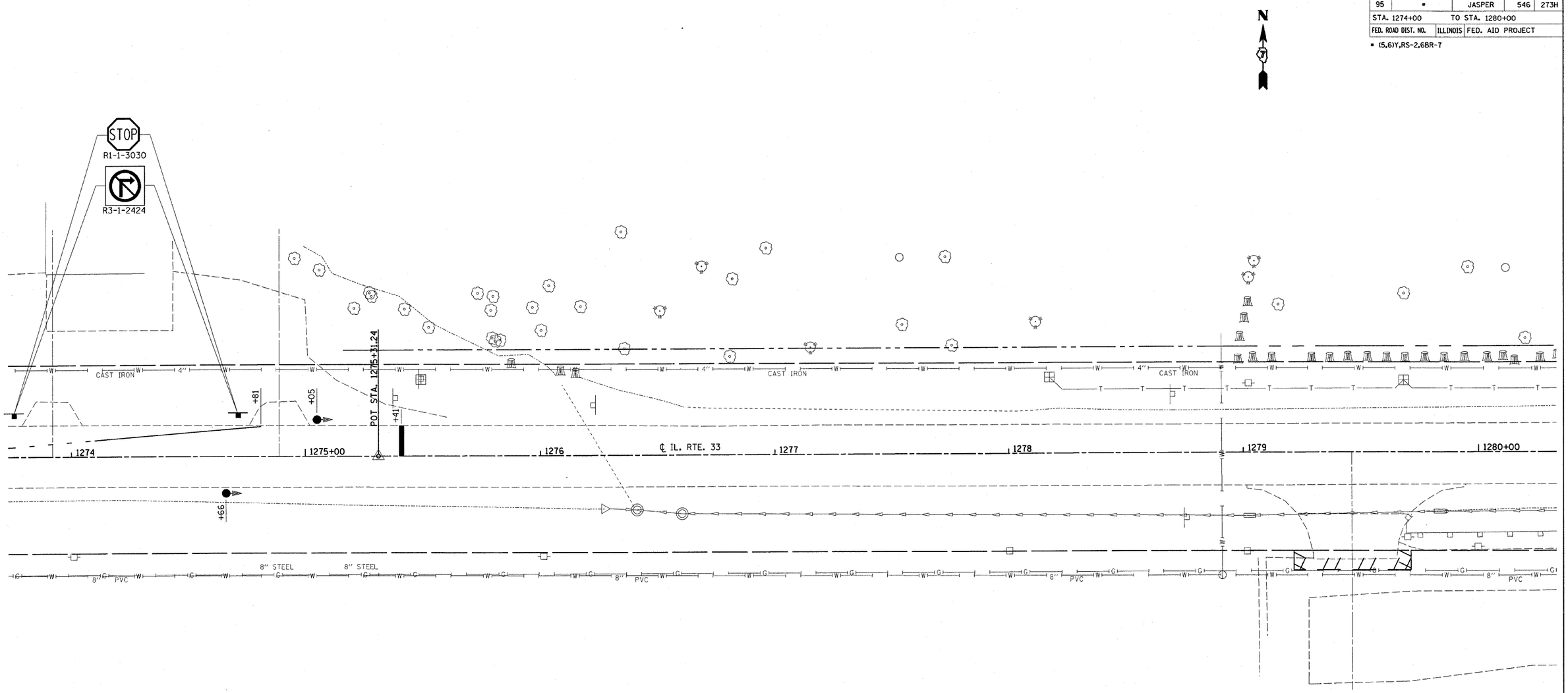
CONTRACT NO. 94437

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	*	JASPER	546	273H
STA. 1274+00		TO STA. 1280+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (5,6)Y,RS-2,6BR-7



LEGEND

- TEMPORARY BRIDGE TRAFFIC SIGNALS
- IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE) TEST LEVEL 2
- TEMPORARY CONCRETE BARRIER
- STOP BAR

⚠ SHEET ADDED 2/22/12

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGE II

S. N. 040-8645

SCALE: VERT.
HORIZ. 20
DATE 02-07-12

DRAWN BY RWS
CHECKED BY

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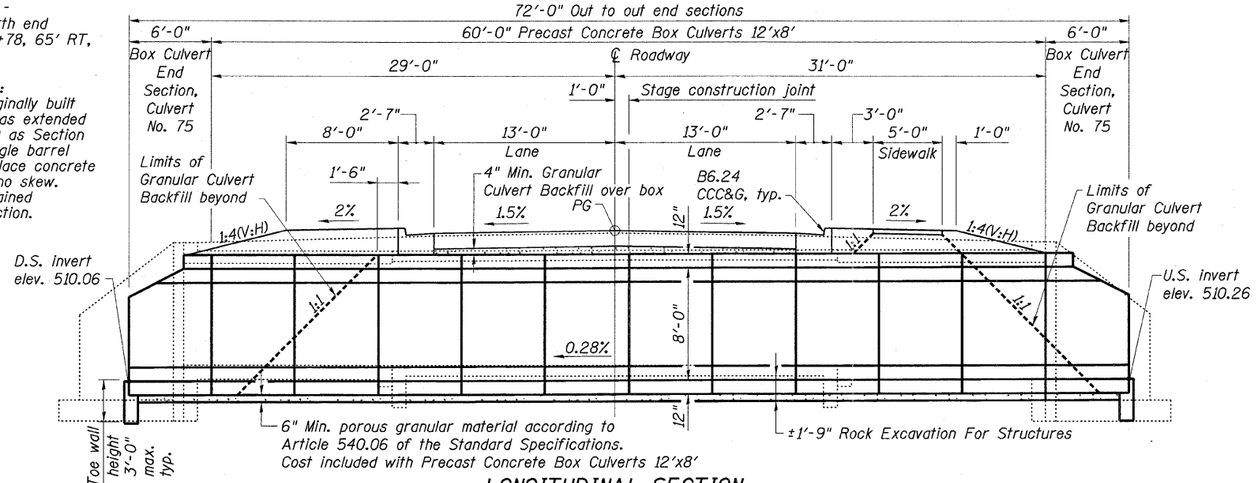
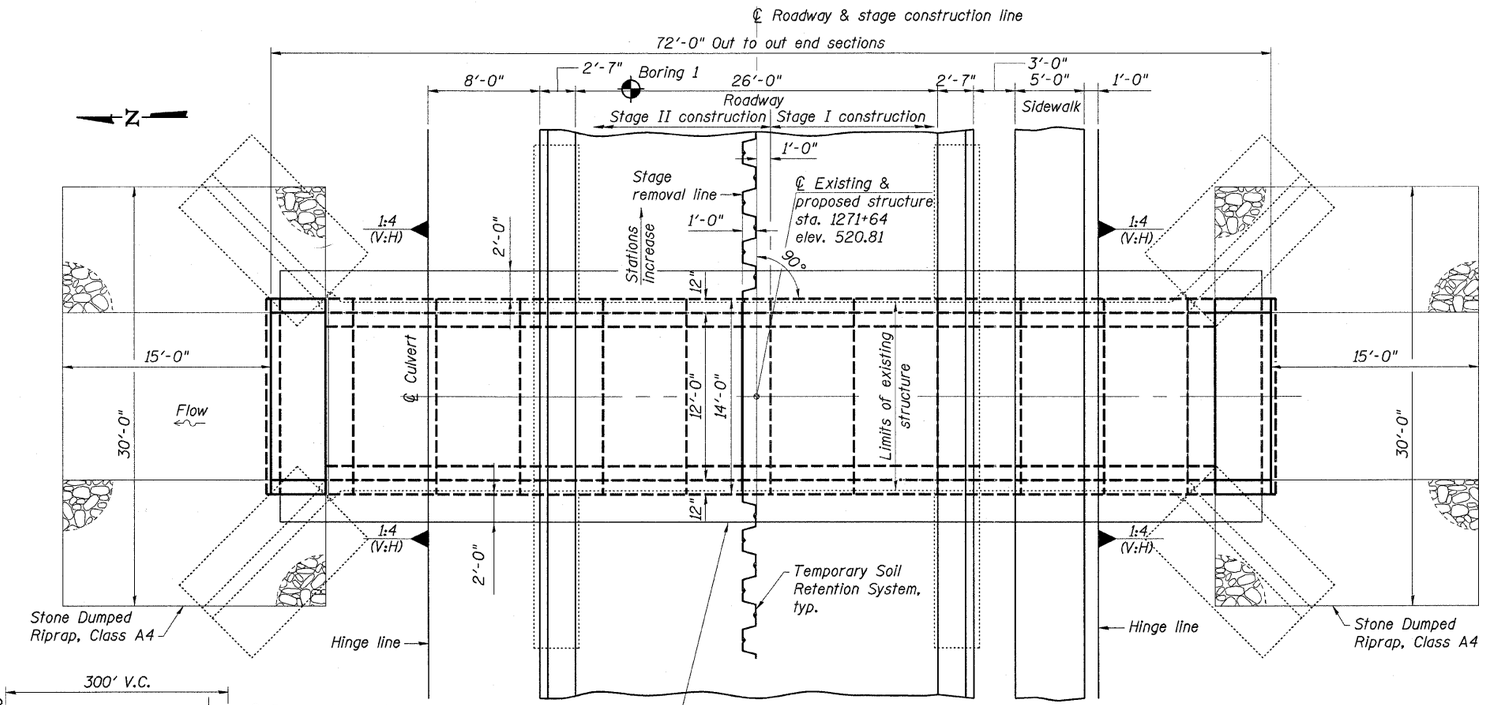
USER NAME = swartzm

BENCHMARK: BM #30 -
Chiseled square on north end of sidewalk, sta. 1269+78, 65' RT, elev. 522.06

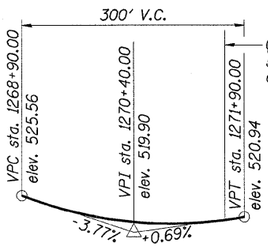
EXISTING STRUCTURE:
SN 040-8604 was originally built as 32'-0" long, and was extended to 62'-0" long in 1990 as Section (5,6) RS-1. It is a single barrel 12'Sx7'-3"R cast-in-place concrete box culvert. There is no skew. Traffic is to be maintained utilizing stage construction.



LONGITUDINAL SECTION
(Looking East)



PLAN



PROFILE GRADE
(Along ℄ roadway)

WATERWAY INFORMATION

Drainage Area = 1.1 Sq. Mi.
Prop. Low Grade Elev. = 520.78 ft. @ sta. 1271+50

Flood	Freq. Yr.	Q C.F.S.	Headwater Elev. (ft) Exist.	Prop.
	10	535	518.07	517.57
Design	50	892	520.54	520.04
Base	100	1057	521.26	521.14

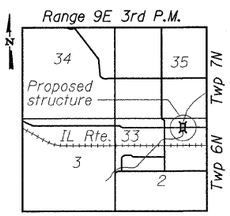
DESIGN SPECIFICATIONS
2010 AASHTO LRFD
Bridge Design Specifications
5th Edition with 2010 Interims

LOADING HL-93
Allow 50 psf for future wearing surface

DESIGN STRESSES

FIELD UNITS
f'c = 3,500 psi

PRECAST UNITS
f'c = 5,000 psi
fy = 65,000 psi (WWF)



LOCATION SKETCH

STRUCTURE INDEX OF SHEETS

GENERAL NOTES

1. Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer. Stone dumped riprap shall be 12" thick on top of filter fabric. No bedding aggregate is to be used. No riprap shall be used in areas where rock is exposed. Riprap slopes shall be anchored 12" into exposed rock if possible. Rock excavation necessary to anchor riprap slopes will not be paid for separately, but shall be included in the cost of Stone Dumped Rirap.

2. Culvert flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

3. The box culvert end sections shall be precast and shall conform to the requirements of Article 540.06 of the Standard Specifications and the applicable requirements of ASTM C 1577 as well as the details in the plans. The design fill is less than two feet.

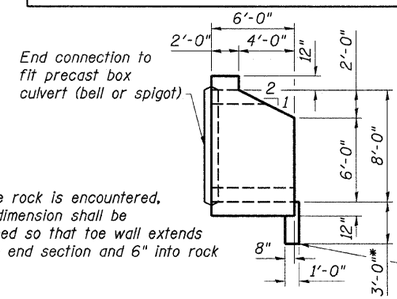
4. Earth excavation required for the culvert to the limits shown on the drawings shall be paid for as Structure Excavation.

5. For backfilling and embankment, see the Standard Specifications. Backfill culvert excavation with Granular Culvert Backfill to the limts shown on the plans, except the outer three feet at each end of the culvert shall be backfilled with impervious material.

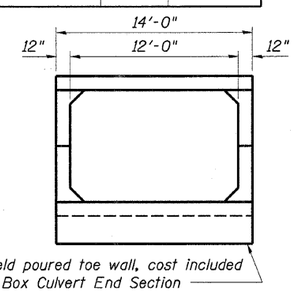
6. See the roadway plans for quantities of temporary concrete barrier, pavement removal, and pavement patches.

TOTAL BILL OF MATERIAL

ITEM	UNIT	QUANTITY
Granular Culvert Backfill	Cu. Yd.	370
Temporary Soil Retention System	Sq. Ft.	228
Stoned Dumped Riprap, Class A4	Sq. Yd.	125
Filter Fabric	Sq. Yd.	125
Removal of Existing Structures No. 22	Each	1
Structure Excavation	Cu. Yd.	400
Rock Excavation For Structures	Cu. Yd.	93
Box Culvert End Section, Culvert No. 75	Each	2
Precast Concrete Box Culverts 12'x8'	Foot	60



ELEVATION



END VIEW

PRECAST BOX CULVERT END SECTION DETAILS

GENERAL PLAN & ELEVATION
ILLINOIS ROUTE 33 OVER STREAM
F.A.P. RTE. 95 - SEC. (5,6)Y,RS-2,6BR-7
JASPER COUNTY
STATION 1271+64
STRUCTURE NO. 040-8645

ESCA CONSULTANTS, INC. — CIVIL & STRUCTURAL ENGINEERS — GENEVA, ILLINOIS

USER NAME = swartzrw	DESIGNED - ELH	02/11	REVISED -		
ESCA PROJECT NO. 1070.03	CHECKED - RDP	02/11	REVISED -		
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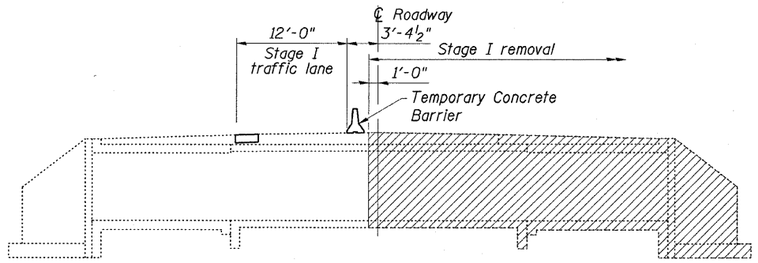
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

1 SHEET ADDED 2/22/12

SHEET NO. 1 OF 4 SHEETS

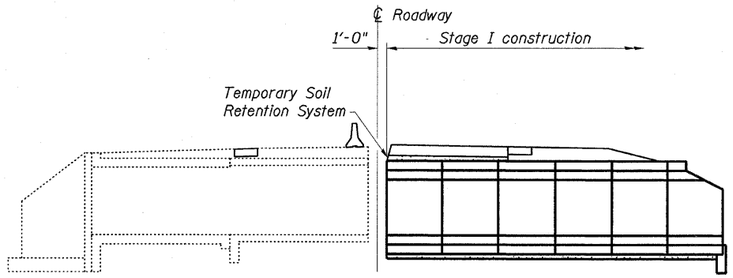
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(5,6)Y,RS-2,6BR-7	JASPER	546	2731
		CONTRACT NO. 94437		
	ILLINOIS FED. AID PROJECT			



STAGE I REMOVAL

STAGE CONSTRUCTION NOTES

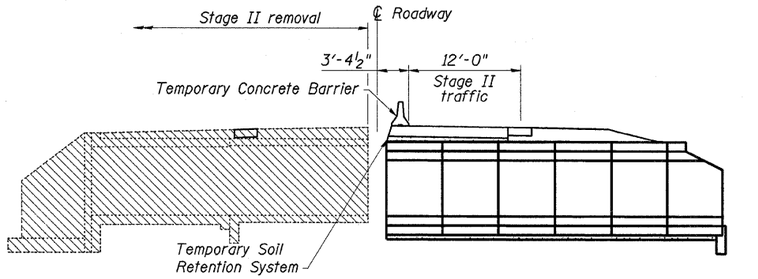
1. All staging sections are looking in the direction of increasing stations (East).
2. Hatched areas indicate removal.
3. Removal of existing wingwalls and footings is included with Removal of Existing Structures.
4. See Roadway Plans for quantity of Temporary Concrete Barrier.



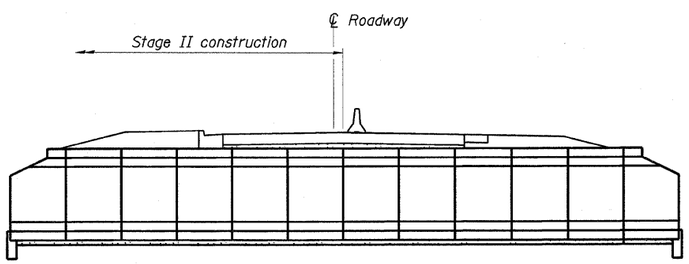
STAGE I CONSTRUCTION

TEMPORARY SOIL RETENTION SYSTEM NOTES

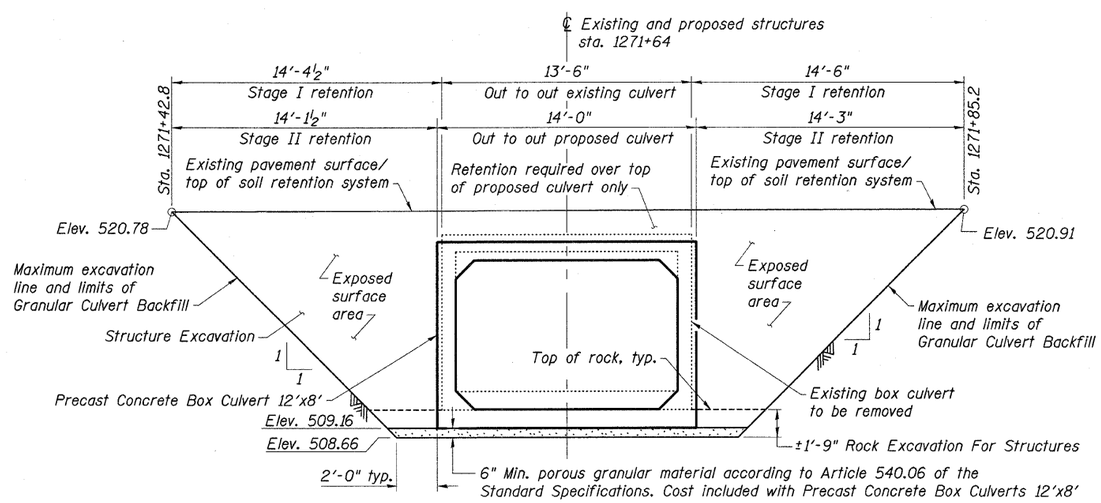
1. A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
2. Plan dimensions and details relative to existing plans are subject to nominal construction variations.
3. Modify the maximum excavation line as directed by the Engineer where rock is encountered at an elevation higher than the bottom of the existing box culvert. Rock excavation above this elevation is not required outside of two feet from the proposed culvert.



STAGE II REMOVAL



STAGE II CONSTRUCTION



SECTION THRU BARREL SHOWING TEMPORARY SOIL RETENTION SYSTEM LIMITS

1 SHEET ADDED 2/22/12

ESCA CONSULTANTS, INC. — CIVIL & STRUCTURAL ENGINEERS — URBANA, ILLINOIS

USER NAME = swartzrw	DESIGNED - ELH	02/12	REVISED -	
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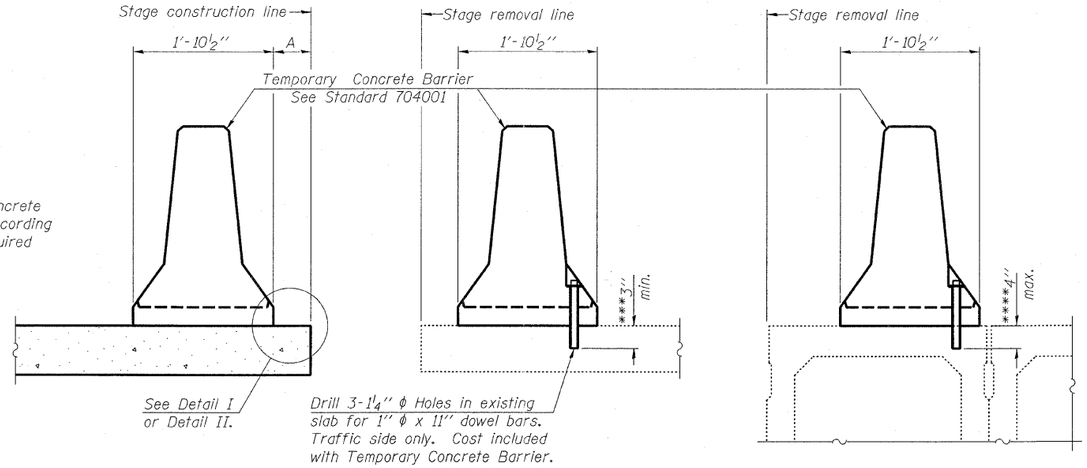
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGE CONSTRUCTION DETAILS
STRUCTURE NO. 040-8645
SHEET NO. 2 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(5,6)Y,RS-2,6BR-7	JASPER	546	273J
		CONTRACT NO. 94437		
	ILLINOIS FED. AID PROJECT			

When "A" is 3'-6" or less, the temporary concrete barrier shall be anchored to the new slab according to Detail I or Detail II. No anchorage is required when "A" is greater than 3'-6".



NEW SLAB | EXISTING SLAB | EXISTING DECK BEAM

NOTES

Detail I - With Bar Splicer or Couplers:
Connect one (1) 1" x 7" x "W" steel ℄ to the top layer of couplers with 2-⅝" ϕ bolts screwed to coupler at approximate ℄ of each barrier panel.

Detail II - With Extended Reinforcement Bars:
Connect one (1) 1" x 7" x "W" steel ℄ to the concrete slab or concrete wearing surface with 2-⅝" ϕ Expansion Anchors or cast in place inserts spaced between the top layer of reinforcement at approximate ℄ of each barrier panel.

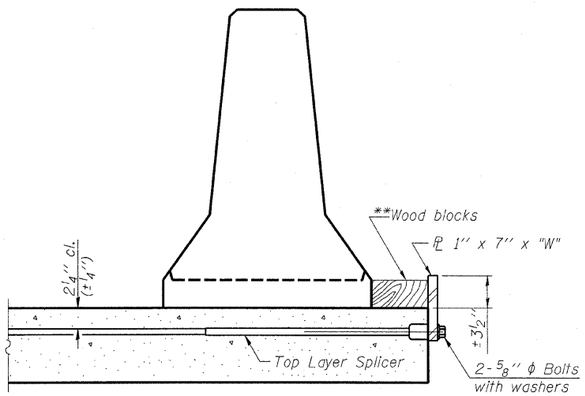
Cost of anchorage is included with Temporary Concrete Barrier.

The 1" x 7" x "W" plate shall not be removed until stage II construction forms and all reinforcement bars are in place and the concrete is ready to be placed.

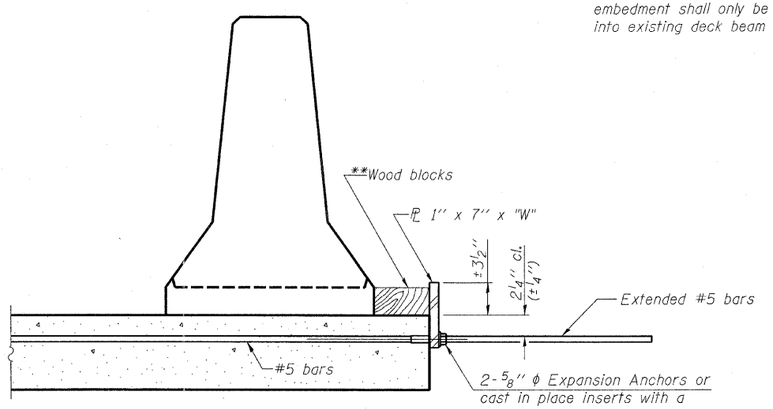
SECTIONS THRU SLAB OR DECK BEAM

*** Dimension shown is minimum required embedment into concrete. If hot-mix asphalt wearing surface is present, minimum embedment shall be in addition to wearing surface depth.

**** If existing deck beam is to remain in place after stage construction, embedment shall only be into wearing surface and not into existing deck beam concrete.



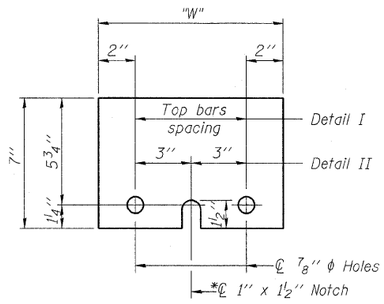
DETAIL I



DETAIL II

** Wood blocks may be omitted when required to provide minimum stage traffic lane width. When the wood blocks are omitted, the concrete barrier shall be in direct contact with the steel retainer plate.

"W" = Top bars spacing + 4"



STEEL RETAINER ℄ 1" x 7" x "W"

* Required only with Detail II

R-27 7-1-10

⚠1 SHEET ADDED 2/22/12

ESCA CONSULTANTS, INC. CIVIL & STRUCTURAL ENGINEERS URBANA, ILLINOIS

USER NAME = swortzrw	DESIGNED - ELH 02/12	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TEMPORARY CONCRETE BARRIER FOR STAGE CONSTRUCTION
STRUCTURE NO. 040-8645
SHEET NO. 3 OF 4 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(5,6)Y,RS-2,6BR-7	JASPER	546	273K
		CONTRACT NO. 94437		
		ILLINOIS FED. AID PROJECT		

ESCA CONSULTANTS, INC.
CIVIL & STRUCTURAL ENGINEERS
GENEVA, ILLINOIS

Illinois Department of Transportation
Division of Highways
ILLINOIS DOT

SOIL BORING LOG

Page 1 of 1

Date 1/31/12

ROUTE FAP 95 (IL 33) DESCRIPTION Box Culvert - Un-named Stream LOGGED BY E. Sandschafer

SECTION (5,6)Y,RS-2,6BR-7 LOCATION NW, SEC. 2, TWP. 6 N, RNG. 9 E, 3 PM

COUNTY Jasper DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 040-8645 (old 8604)
Station 1271+64

BORING NO. 1 (East)
Station 1271+86
Offset 9.0ft Lt
Ground Surface Elev. 520.51 ft

Surface Water Elev. 510.86 ft
Stream Bed Elev. 510.56 ft

Groundwater Elev.:
▽ First Encounter Dry ft
▽ Upon Completion Dry ft
▼ After 24 Hrs. Dry ft

	DEPTH (ft)	BLOWS /6"	UCS Qu (tsf)	MOIST (%)
9.75" asphalt on 6.25" concrete pavement.				
519.21				
Medium, damp, brown, LOAM.		2		
		1	0.7	17
		2	S	
	-5	1		
515.01		3	3.1	13
Very dense, moist, brown, SANDY CLAY SHALE.		8	B	
		14		
Sample pokerchipped and powdered, unable to test for Qu.		42		12
		50/4"		
	-10	50		
Sample pokerchipped and powdered, unable to test for Qu.		50/2"		7
		50/1"		
508.61				
Very dense, moist, gray, SILTY CLAY SHALE. *Sample powdered, unable to test for Qu.*		50		
		50/2"		7
		50/1"		
506.01				
Very dense, moist, gray and black, SANDSTONE. *Sample broken, unable to test for Qu.* 505.81	-15	*		5
Extent of exploration. * 50/2", 50/0.2", 50/0.1"				
Benchmark: North Flowline of existing box culvert = 511.36' elevation, provided by Program Development. *B1 Location is 22' East of center of existing structure.*	-20			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

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Latitude W 88 deg 10.714 min Longitude N 39 deg 59.451 min Datum Job Number

⚠1 SHEET ADDED 2/22/12

USER NAME = HAS	DESIGNED - ELH 02/12	REVISED -	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**BORING LOG STRUCTURE NO. 040-8645**	SHEET NO. 4 OF 4 SHEETS
ESCA PROJECT NO. 1070.03	CHECKED - RDP 02/12	REVISED -			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(5,6)Y,RS-2,6BR-7	JASPER	546	273L
		CONTRACT NO. 94437		
		ILLINOIS FED. AID PROJECT		