

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

TOWNSHIP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63645	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

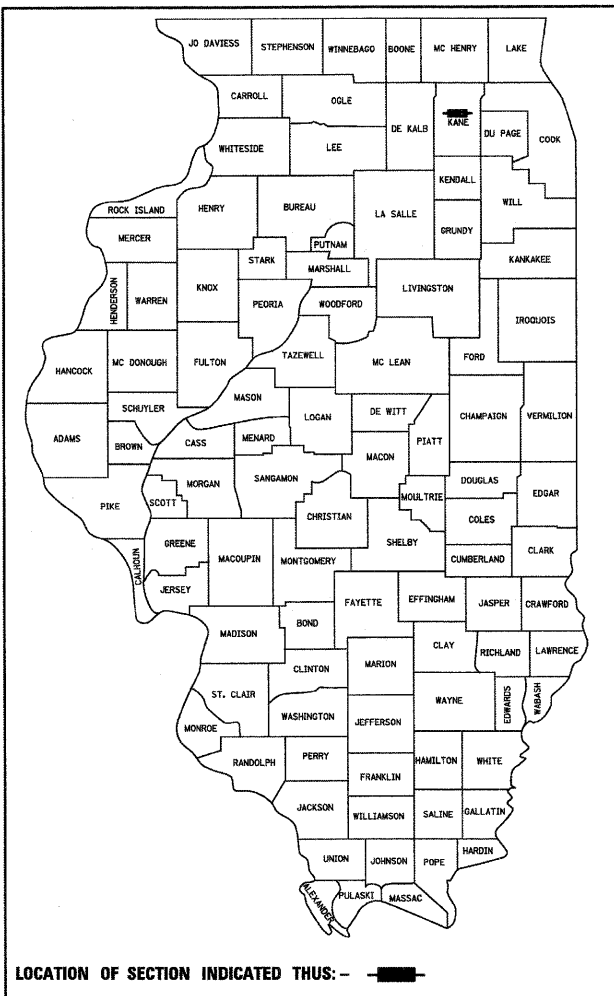
PROJECT LOCATED IN ST. CHARLES TOWNSHIP

**TR 194 (BURR ROAD)
OVER FERSON CREEK
BRIDGE REMOVAL AND REPLACEMENT
SECTION 08-14117-00-BR
PROJECT BROS-0089(142)
ST. CHARLES TOWNSHIP
KANE COUNTY
JOB NO. C-91-197-09**

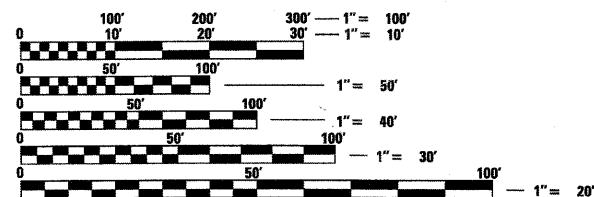
TRAFFIC DATA

2009 ADT = 5,500
2030 ADT = 10,000
DESIGN SPEED: 45 MPH

**DESIGN DESIGNATION:
LOCAL STREET (URBAN)**

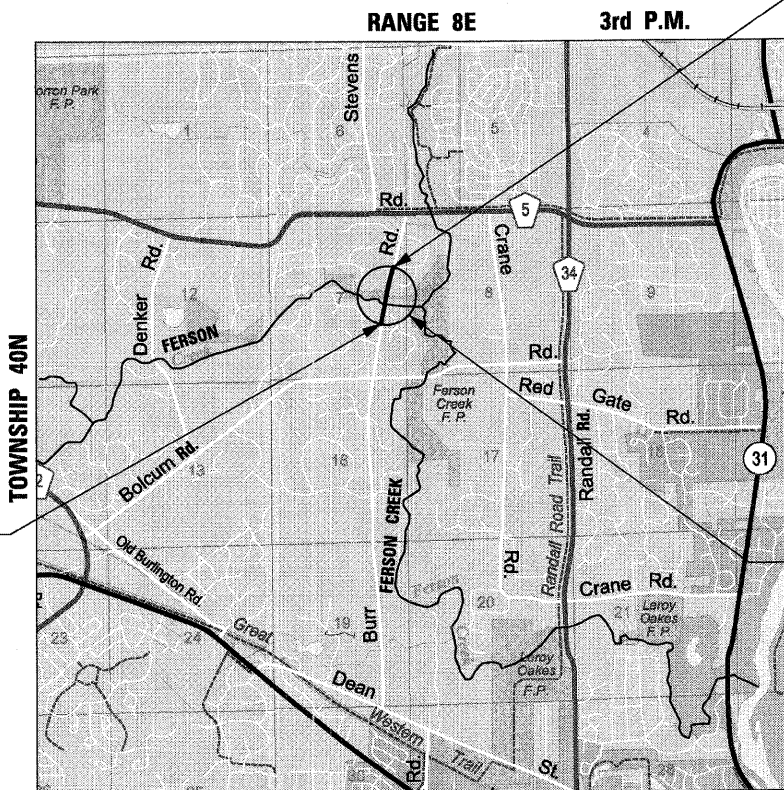


LOCATION OF SECTION INDICATED THUS: - ■ -



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

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



**PROJECT BEGINS
STA. 7 + 00.00**

**PROJECT ENDS
STA. 23 + 40.00**

STRUCTURE NO. 045-3080



ST CHARLES TOWNSHIP

PROJECT NET AND GROSS LENGTH = 1,640 FT (0.311 MILE)
PROJECT LOCATED IN:
SECTION 7 IN TOWNSHIP 40N, RANGE 8E, OF THE THIRD PRINCIPAL MERIDIAN,
KANE COUNTY, ILLINOIS



OCTOBER 18, 2011
Kevin M. Anderson
KEVIN M. ANDERSON
ILLINOIS REG. PROFESSIONAL ENGINEER NO. 062-055652
EXPIRATION DATE 11-30-2011



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED OCTOBER 17, 2011
Ronald C. Johnson
HIGHWAY COMMISSIONER, ST. CHARLES TOWNSHIP

PASSED OCTOBER 28, 2011
Christopher Heber
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW OCTOBER 28, 2011
Diane M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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OF THE STATE OF ILLINOIS**

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406 SCHAUMBURG, IL

CONTRACT NO. 63645

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE APPLICABLE REQUIREMENT SET FORTH IN "THE CONSTRUCTION SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 THEREINAFTER REFERRED TO AS STANDARD SPECIFICATIONS, THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM MANUAL TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" IN EFFECT ON THE DATE OF INVITATION FOR BIDS; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" LATEST EDITION; INTERIM SPECIAL PROVISIONS AS INCLUDED IN THE CONTRACT DOCUMENTS; AND THE DETAILS AND STANDARDS CONTAINED IN THESE PLANS.
- BEFORE STARTING ANY EXCAVATIONS, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)
- THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES, IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE. THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED AT NO ADDITIONAL COST IN ACCORDANCE WITH SPECIAL PROVISION LR105.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- ALL WORK SHALL BE COMPLETED WITHIN THE LIMITS OF THE PROJECT SHOWN. NO EQUIPMENT, MATERIALS OR A YARD OR FIELD OFFICE SHALL BE SET UP OR STORED ON TOWNSHIP, COUNTY, OR PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION OF THE ENGINEER.
- MAINTENANCE OF TRAFFIC-GENERAL: TRAFFIC CONDITIONS, ACCIDENTS AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL RESPOND WITHIN 30 MINUTES OF THE TIME OF NOTIFICATION BY THE ENGINEER FOR THE MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- TRAFFIC CONTROL DEVICES: ALL TRAFFIC CONTROL DEVICES USED FOR THE MAINTENANCE OF TRAFFIC AS DETAILED ON THE PLANS SHALL BE REFLECTORIZED PRIOR TO INSTALLATION AND CLEANED AS NECESSARY THROUGHOUT THE DURATION OF THE CONTRACT.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED- ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
- THE CONTRACTOR SHALL REMOVE ONLY THOSE TREES AND SHRUBS SO DESIGNATED BY THE ENGINEER, OR THOSE, WHICH DIRECTLY INTERFERE WITH THE SAFETY OR QUALITY OF CONSTRUCTION PRACTICES. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN WORKING NEAR EXISTING TREES AND SHRUBS TO AVOID DAMAGING THOSE NOT SCHEDULED FOR REMOVAL, AND SHALL REPLACE ANY DAMAGED PLANTS AT HIS OR HER OWN EXPENSE.

DRAINAGE NOTES

- DURING CONSTRUCTION OPERATIONS ALL LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES AND TEMPORARY DITCHES THAT OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS. ALL DRAINAGE STRUCTURES SHALL BE CLEANED AS NECESSARY TO INSURE THAT THEY ARE FREE FROM ALL DIRT AND DEBRIS PRIOR TO THE FINAL INSPECTION OF THE PROJECT. THIS WORK WILL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION.
- ANY FARM DRAIN, FIELD TILE SYSTEM OR OTHER UNDERGROUND TILE FACILITY ENCOUNTERED IN THE WORK SHALL BE LOCATED AND STAKED AND REPORTED TO THE RESIDENT ENGINEER. ANY DRAINAGE LINES WHICH ARE CUT OR DAMAGED BY GRADING, TRENCHING, EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES SHALL BE REPAIRED SO AS TO MAINTAIN ITS ORIGINAL ALIGNMENT. IF THIS CANNOT BE ACCOMPLISHED, THE TILE SHALL BE REPAIRED AND CONNECTED TO THE PROPOSED STORM SEWER SYSTEM IN SUCH A MANNER AS TO RENDER THE LINES USABLE FOR THE PURPOSES INTENDED. THE WORK SHALL BE DONE IN ACCORDANCE WITH THE SPECIAL PROVISION "DRAIN TILE REPAIR".

KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT NOTES

- THE CONTRACTOR AND ENGINEER SHALL MEET WITH THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT TO COORDINATE ALL IN-STREAM WORK ACTIVITIES.
- THE CONTRACTOR'S IN-STREAM WORK PLAN SHALL BE SUBMITTED TO THE SOIL & WATER CONSERVATION DISTRICT AND KANE COUNTY FOR REVIEW AND APPROVAL PRIOR TO STARTING ANY WORK. THERE WILL NO ADDITIONAL COMPENSATION FOR THIS PROVIDING THE PLAN AND COORDINATION.
- SEE EROSION CONTROL PLAN SHEETS FOR ADDITIONAL DETAILS, CONDITONS AND NOTES.

EARTHWORK AND ROADWAY

- EARTHWORK SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING. STOCK PILING OF MATERIALS FOR LATER USE AND REDISTRIBUTION SHALL BE DONE AT THE CONTRACTOR'S EXPENSE. STOCK PILING NECESSARY FOR RESREADING IN SHOULDERS, CONSTRUCTING EMBANKMENTS, CUT OR BORROW AREAS SHALL BE CONSIDERED INCLUDED IN THE UNIT PRICE OF EARTH EXCAVATION.
- ALL AGGREGATE AND BITUMINOUS BASE COURSES SHALL BE PRIMED. THIS WORK SHALL CONFORM TO THE APPROPRIATE ARTICLES OF SECTION 406 OF THE STANDARD SPECIFICATIONS. THE PRIME COAT FOR AGGREGATE SURFACES SHALL BE MC-30 APPLIED AT A RATE OF 0.30 GALLONS PER SQUARE YARD AND SS-1 APPLIED AT THE RATE OF 0.10 GALLONS PER SQUARE YARD FOR HMA BASES. WHEN THE PRIMED AREA IS TO BE OPEN TO TRAFFIC, A FINE AGGREGATE SHALL BE PLACED IMMEDIATELY AFTER THE PRIME COAT HAS BEEN APPLIED. THE FINE AGGREGATE SHALL CONFORM TO ARTICLES 406.06 OF THE STANDARD SPECIFICATIONS. THESE ITEMS WILL BE PAID FOR SEPARATELY AS BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT).
- GEOTECHNICAL FABRIC FOR GROUND STABILIZATION: ITEM NO. 2100100 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION WILL ONLY BE UTILIZED IN AREAS THAT HAVE BEEN IDENTIFIED AS SUBGRADE UNDERCUTS AREAS OR WHERE DETERMINED IN THE FIELD BY A GEOTECHNICAL ENGINEER. THE FABRIC WILL BE USED IN COMBINATION WITH PGE SUBGRADE. THE QUANTITY INCLUDED IN THE PLANS IS BASED ON THE SUBSURFACE INVESTIGATION PREPARED BY WANG ENGINEERING, INC. RECOMMENDATIONS FOR UNDERCUT AREAS.
- ALL EXCAVATION AND EMBANKMENT LOCATIONS REQUIRING SEEDING OR SODDING SHALL BE CONSTRUCTED TO 6 INCHES BELOW FINISHED GRADE LINE TO ALLOW TOPSOIL PLACEMENT.
- PAVEMENT ELEVATIONS: THE ELEVATIONS SHOWN ON THE PLANS ARE FINISHED GRADES FOR THE PROPOSED PAVEMENT OR SURFACE COURSE, UNLESS OTHERWISE INDICATED.
- THE HORIZONTAL DATUM IS NAD 83 AND THE VERTICAL DATUM IS NAVD 88.

OWNER OF RECORD

THE ILLINOIS DEPARTMENT OF TRANSPORTATION IS NOT THE OWNER OF RECORD FOR THIS BRIDGE. THOSE SEEKING HISTORIC, AS-BUILT OR OTHER EXISTING DOCUMENTS AND PLANS MUST CONTACT THE OWNER OF RECORD TO MAKE ARRANGEMENTS FOR ACCESS TO THIS INFORMATION.

INDEX OF SHEETS

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2	GENERAL NOTES, INDEX & STANDARDS
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16	ALIGNMENT, TIES & BENCHMARKS
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60	DISTRICT 1 BENCHING DETAIL FOR EMBANKMENT WIDENING
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63	DISTRICT 1 ARTERIAL ROAD INFORMATION SIGN
64-66	CROSS SECTIONS - CHANNEL
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HIGHWAY STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
280001-06	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
420401-08	BRIDGE APPROACH PAVEMENT CONNECTOR
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001-03	NAME PLATE FOR BRIDGES
542101-02	REINFORCED CONCRETE END SECTION FOR PIPE CULVERTS
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-01	METAL END SECTION FOR PIPE CULVERT
601001-04	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602001-02	CATCH BASIN TYPE A
602301-03	INLET- TYPE A
602401-03	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604036-02	GRATE TYPE 8
630001-10	STEEL PLATE BEAM GUARDRAIL
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-07	TRAFFIC BARRIER TERMINAL, TYPE 6A
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701001-02	OFF-RD OPERATION 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF-RD OPERATION 2L, 2W, 4.5 M 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
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
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTING DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-03	TYPICAL PAVEMENT MARKINGS
BLR 26-3	STEEL PLATE BEAM GUARDRAIL 27 1/2" HEIGHT

DISTRICT STANDARDS

STANDARD NO.	DESCRIPTION
BD-01	DRIVEWAY DETAILS
BD-32	BUTT JOINTS AND HMA TAPER
BD-51	BENCHING DETAIL FOR EMBANKMENT WIDENING
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
TC-13	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
TC-22	ARTERIAL ROAD INFORMATION SIGN (DISTRICT 1)

FILE NAME = W:\Projects\2010\100925_Burr-Ferguson\11-Cadd\Civil\11-Dgn\Shr\11GENOTES.dwg



USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 11/17/2011	CHECKED - SBP	REVISED -
	DATE - 10/24/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL NOTES,
INDEX & STANDARDS**

SCALE:	SHEET NO. 2 OF 76 SHEETS	STA. TO STA.	T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			194	08-14117-00-BR	KANE	76	2
						CONTRACT NO. 63645	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
					80% FEDERAL 20% STATE			NON-PARTICIPATING 100% LOCAL
					ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	159	159			
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	152	152			
	20101000	TEMPORARY FENCE	FOOT	383	383			
	20101100	TREE TRUNK PROTECTION	EACH	17	17			
	20200100	EARTH EXCAVATION	CU YD	1,210	1210			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	655	655			
	20300100	CHANNEL EXCAVATION	CU YD	255	255			
	20400800	FURNISHED EXCAVATION	CU YD	50	50			
	20800150	TRENCH BACKFILL	CU YD	55	55			
	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	660	660			
*	21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	3,670	3670			
	21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	100	100			
*	25000100	SEEDING, CLASS 1	ACRE	0.25	0.25			
*	25000210	SEEDING, CLASS 2A	ACRE	0.75	0.75			
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	69	69			
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	69	69			
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	69	69			
*	25100630	EROSION CONTROL BLANKET	SQ YD	3,338	3338			
*	25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	632	632			
*	25100900	TURF REINFORCEMENT MAT	SQ YD	126	126			
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	261	261			
	28000305	TEMPORARY DITCH CHECKS	FOOT	480	480			
	28000400	PERIMETER EROSION BARRIER	FOOT	1,833	1833			
	28000500	INLET AND PIPE PROTECTION	EACH	3	3			
	28000510	INLET FILTERS	EACH	1	1			
	28100105	STONE RIPRAP, CLASS A3	SQ YD	4	4			
	28100107	STONE RIPRAP, CLASS A4	SQ YD	360	30	330		
	28200200	FILTER FABRIC	SQ YD	360	30	330		
	31101100	SUBBASE GRANULAR MATERIAL, TYPE B	CU YD	36	36			
	35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	201	201			
	35501312	HOT-MIX ASPHALT BASE COURSE, 7"	SQ YD	1,751	1751			
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	6	5			1

FILE NAME = W:\Projects\2010\000025_Burr-Ferret\Wood\Civil\Ugpr\ShA\S001.dgn

SUMMARY OF QUANTITIES

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			
					80% FEDERAL 20% STATE			NON-PARTICIPATING 100% LOCAL
					ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	
	40600300	AGGREGATE (PRIME COAT)	TON	12	3			9
	40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	82				82
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	202				202
	40600990	TEMPORARY RAMP	SQ YD	25				25
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	552	219			333
	42001430	BRIDGE APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	SQ YD	54	54			
	44000100	PAVEMENT REMOVAL	SQ YD	1,945	1909			36
	44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	345				345
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	338	305			33
	44201777	CLASS D PATCHES, TYPE II, 11 INCH	SQ YD	15				15
	44201781	CLASS D PATCHES, TYPE III, 11 INCH	SQ YD	22				22
	48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	301	249			52
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	29				29
	48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	567	567			
	50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1		
	50105220	PIPE CULVERT REMOVAL	FOOT	143				143
	50200100	STRUCTURE EXCAVATION	CU YD	196		196		
	50300225	CONCRETE STRUCTURES	CU YD	47.7		47.7		
	50300255	CONCRETE SUPERSTRUCTURE	CU YD	164.8		164.8		
	50300260	BRIDGE DECK GROOVING	SQ YD	419		419		
	50300280	CONCRETE ENCASEMENT	CU YD	3.6		3.6		
	50300300	PROTECTIVE COAT	SQ YD	439		439		
	50500105	FURNISHING AND ERECTING STRUCTURAL STEEL	L SUM	1		1		
	50500505	STUD SHEAR CONNECTORS	EACH	1,020		1020		
	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	45,150		45150		
	50800515	BAR SPLICERS	EACH	66		66		
	50901050	STEEL RAILING, TYPE SM	FOOT	176		176		
	51201600	FURNISHING STEEL PILES HP12X53	FOOT	190		190		
	51500100	NAME PLATES	EACH	1		1		
	52100520	ANCHOR BOLTS, 1"	EACH	20		20		
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1			
	54215418	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 18"	EACH	1	1			

FILE NAME: M:\Projects\2011\080925_Burr-Ferguson\Road\Civil\Drawings\54002.dgn

WBK WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

USER NAME = #USER#	DESIGNED - KMA	REVISED -
	DRAWN - NDP	REVISED -
PLOT SCALE =	CHECKED - SBP	REVISED -
PLOT DATE = 11/17/2011	DATE - 10/24/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 4 OF 76 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	4
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

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					80% FEDERAL 20% STATE		NON-PARTICIPATING 100% LOCAL	
					ROADWAY 0004 URBAN	BRIDGE 0011 URBAN	TRAINEES 0042 URBAN	
	54215550	METAL END SECTIONS 15"	EACH	2				2
	54247090	GRATING FOR CONCRETE FLARED END SECTION 12"	EACH	1	1			
	542C0220	PIPE CULVERTS, CLASS C, TYPE 1 15"	FOOT	68				68
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	10	10			
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	214	214			
	59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	45		45		
	60100060	CONCRETE HEADWALLS FOR PIPE DRAINS	EACH	1	1			
	60107600	PIPE UNDERDRAINS 4"	FOOT	177	177			
	60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1			
	60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1			
	60235300	INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
	60500050	REMOVING CATCH BASINS	EACH	1	1			
*	63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	300	300			
*	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4			
*	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4	4			
	63200310	GUARDRAIL REMOVAL	FOOT	376	376			
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	8			
	67100100	MOBILIZATION	L SUM	1	1			
	72000100	SIGN PANEL - TYPE 1	SQ FT	7	7			
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	2	2			
*	78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	5,983	3080			2903
*	78008270	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	FOOT	72	16			56
*	78200410	GUARDRAIL MARKERS, TYPE A	EACH	11	11			
*	78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4			
*	A2000616	TREE, ACER PLATANOIDES (NORWAY MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3			
*	A2002316	TREE, BETULA NIGRA (RIVER BIRCH), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*	A2002716	TREE, CARYA OVATA (SHAGBARK HICKORY), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*	A2005116	TREE, JUGLANS NIGRA (BLACK WALNUT), 2" CALIPER, BALLED AND BURLAPPED	EACH	8	8			
*	A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*	A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	2	2			
*	A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3			
*	A2008466	TREE, ULMUS AMERICANA (AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	3	3			

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WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 5 OF 76 SHEETS STA. TO STA.

T.R. RTE. 194	SECTION 08-14117-00-BR	COUNTY KANE	TOTAL SHEETS 76	SHEET NO. 5
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES

SPECIALTY ITEM	CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE			NON-PARTICIPATING 100% LOCAL
					80% FEDERAL 20% STATE		TRAINEES 0042 URBAN	
					ROADWAY 0004 URBAN	BRIDGE 0011 URBAN		
•	C2001636	SHRUB, CORNUS SERICEA (REDSIER DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	4	4			
•	C2012436	SHRUB, VIBURNUM LENTAGO (NANNYBERRY VIBURNUM), 3' HEIGHT, BALLED AND BURLAPPED	EACH	5	5			
•	D2001788	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	2	2			
•	D2002288	EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	2	2			
	X0323017	TEMPORARY INFORMATIONAL SIGNS	EACH	2	2			
	X0326806	WASHOUT BASIN	L SUM	1	1			
	X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	89		89		
	X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	100	100			
•	X2501800	SEEDING, CLASS 4 (MODIFIED)	ACRE	0.1	0.1			
•	X2501820	SEEDING, CLASS 5 (MODIFIED)	ACRE	0.1	0.1			
	X4811700	AGGREGATE SHOULDERS (SPECIAL)	CU YD	15	15			
	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
	X7010237	CHANGEABLE MESSAGE SIGN, SPECIAL	CAL DA	28	28			
	XX006345	TURBIDITY BARRIER	FOOT	197	197			
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	2,399	2399			
	Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	200	200			
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
	Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	3	3			
	Z0026407	TEMPORARY SHEET PILING	SQ FT	1,474		1474		
	Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	100	100			
	Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	124		124		
	Z0065000	SETTING PILES IN ROCK	EACH	10		10		
	Z0076600	TRAINEES	HOUR	500			500	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET NO. 6 OF 76 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	6
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63645

SCHEDULE OF QUANTITIES

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
10	10+60.50	20.6		10"
12	11+15.50		36.3	6", 6"
9	11+19.50		33.5	9"
7	11+20.30		31.3	8"
8	11+56.10		33.2	8"
17	11+56.90		32.8	8", 9"
7	12+03.42		24.7	7"
6	11+82.30	33.9		6"
6	11+96.80	34.1		6"
6	12+12.40	34.6		6"
6	12+30.30	35.0		6"
10	12+36.30		36.6	10"
7	13+03.80		29.3	7"
10	13+30.06	35.3		10"
7	13+44.50		30.2	7"
8	13+47.90		29.1	8"
9	13+68.70		36	9"
14	14+40.30		29.9	14"
159	TOTAL			

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

UNIT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
29.0	8+05.60		21.3	29"
30	10+17.30	28.4	30.0	30"
36	10+56.70	36.9		36"
20	11+49.50		36.4	20
16	13+59.50		31.8	16
21	13+98.30		26.9	21
152	TOTAL			

20101100 TREE TRUNK PROTECTION

EACH	LOCATION	O/S (LT.)	REMARKS
1	8+69.70	38.3	LT
1	10+90.00	37.9	RT
1	11+42.00	60.6	LT
1	11+45.00	55.1	LT
1	11+49.50	36.7	RT
1	11+84.00	45.1	LT
1	12+36.30	36.6	RT
1	13+03.80	29.3	RT
1	13+30.60	35.3	LT
1	13+40.30	38.8	LT
1	13+44.50	30.2	RT
1	13+47.90	29.1	RT
1	13+59.50	31.8	RT
1	13+68.70	36.0	RT
1	13+98.30	26.9	RT
1	14+40.30	29.9	RT
1	15+68.10	31.4	RT
17	TOTAL		

20800150 TRENCH BACKFILL

VOLUME (CU YD)	LOCATION	O/S	LENGTH (FT)	WIDTH (FT)	DEPTH (FT)	REMARKS
8.8	7+67.70	RT	58	2.8	1.5	15" CMP REMOVED
6.3	7+67.70	RT	41	2.8	1.5	15" CMP RELOCATED
39.0	9+62.00	LT	58.5	3.0	6.0	18" STORM
55.0	TOTAL					

50105220 PIPE CULVERT REMOVAL

FOOT	LOCATION	O/S	REMARKS
70	7+31.76	8+00.14	RT CREEKSIDE DR. INTERSECTION
73	9+27.49	9+99.90	LT DRIVEWAY
143	TOTAL		

54213657 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"

EACH	LOCATION	O/S	REMARKS
1	11+15.38	27.1	RT
1	TOTAL		

54215418 CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 18"

EACH	LOCATION	O/S	REMARKS
1	11+14.00	25.0	LT
1	TOTAL		

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES	
SCALE:	SHEET NO. 7 OF 76 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	7
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

54215550 METAL END SECTIONS 15"

EACH	LOCATION	O/S		REMARKS
1	7+31.01	32.0	RT	SOUTH SIDE OF CREEK SIDE DR.
1	8+00.99	32.0	RT	NORTH SIDE OF CREEK SIDE DR.
2	TOTAL			

54247090 GRATING FOR CONCRETE FLARED END SECTION 12"

EACH	LOCATION	O/S		REMARKS
1	11+15.38	27.1	RT	
1	TOTAL			

542C0220 PIPE CULVERTS, CLASS C, TYPE 1 15"

FOOT	LOCATION	O/S		REMARKS
68	7+32.00	8+00.00	RT	
68	TOTAL			

550A0050 STORM SEWERS, CLASS A, TYPE 1 12"

FOOT	LOCATION	O/S		REMARKS
10	11+04.32	11+14.38	RT	
10	TOTAL			

550A0090 STORM SEWERS, CLASS A, TYPE 1 18"

FOOT	LOCATION	O/S		REMARKS
150	9+00.00	10+50.00	LT	
64	10+50.00	11+06.61	LT	
214	TOTAL			

60100060 CONCRETE HEADWALLS FOR PIPE DRAINS

EACH	LOCATION	O/S		REMARKS
1	13+63.00	23.0	RT	
1	TOTAL			

60107600 PIPE UNDERDRAINS 4"

FOOT	LOCATION	O/S		REMARKS
38	9+00.00		LT/RT	ACROSS PVMT
43	11+04.49		LT/RT	ACROSS PVMT
48	11+66.51		LT/RT	ACROSS PVMT
13	13+56.06	13+68.89	RT	ALONG EOP
27	13+56.28		LT/RT	ACROSS PVMT
8	13+68.89		RT	
177	TOTAL			

60200805 CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE

EACH	LOCATION	O/S		REMARKS
1	9+00.00	23.0	LT	
1	TOTAL			

60218300 MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID

EACH	LOCATION	O/S		REMARKS
1	10+50.00	23.0	LT	
1	TOTAL			

60235300 INLETS, TYPE A, TYPE 1 FRAME, CLOSED LID

EACH	LOCATION	O/S		REMARKS
1	11+04.32	27.0	RT	
1	TOTAL			

60500050 REMOVING CATCH BASINS

EACH	LOCATION	O/S		REMARKS
1	9+27.49	22.6	LT	BY DRIVEWAY
1	TOTAL			

72000100 SIGN PANEL - TYPE 1

SQ FT	LOCATION	O/S (LT)	O/S (RT)	COMMENTS
6.25	7+87.30		30.5	STOP SIGN, R1-1 30"x30"
7.00	TOTAL (Rounded up to next integer)			

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. 8 OF 76 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63645	

EARTHWORK SCHEDULES

LOCATION	END AREAS			EARTH WORK				SUBGRADE IMPROVEMENT			
	TOPSOIL STRIPPING (TSS)	CUT (C)	FILL (F)	20201200 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	20200100 EARTH EXCAVATION	EMBANKMENT	BALANCE WASTE (+) or SHORTAGE (-)	20300100 CHANNEL EXCAVATION	20201200 REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	Z0042002 POROUS GRANULAR EMBANKMENT SUBGRADE	21001000 GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
	(SQ FT)	(SQ FT)	(SQ FT)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
8+00.00	12.2	36.5	7.2								
8+50.00	15.0	42.6	4.2	25.19	73.24	10.56	+51.69				
9+00.00	17.9	81.6	1.0	30.46	115.00	4.81	+92.94				
9+50.00	43.6	165.1	1.2	56.94	228.43	2.04	+192.13				
10+00.00	20.1	72.5	0.0	58.98	220.00	1.11	+185.89				
10+50.00	19.0	10.2	8.9	36.20	76.57	8.24	+56.84				
10+76.49	19.4	3.2	58.1	18.84	6.57	32.87	-27.29				
10+90.00	19.3	0.1	74.8	9.68	0.83	33.25	-32.54				
11+00.00	19.0	0.2	77.1	7.09	0.06	28.13	-28.08				
11+06.49	20.1	0.3	89.2	4.70	0.06	19.99	-19.94				174.20
ESTIMATED									50.00	50.00	150.00
SOUTH OF BRIDGE SUB-TOTAL				248.1	720.8	141.0	471.6		50.0	50.0	324.2
11+64.51	24.6	3.3	111.5								
11+94.51	28.1	3.4	108.6	29.28	3.72	122.28	-119.12				185.30
12+00.00	26.5	3.8	72.6	5.55	0.73	18.42	-17.80				
12+50.00	23.1	14.2	32.4	45.93	16.67	97.22	-83.05				
13+00.00	23.2	26.9	15.7	42.87	38.06	44.54	-12.19				
13+50.00	19.8	32.1	8.2	39.81	54.63	22.13	+24.31				
14+00.00	19.5	37.1	18.9	36.39	64.07	25.09	+29.37				
14+50.00	17.7	49.1	7.3	34.44	79.81	24.26	+43.58				
15+00.00	15.8	55.4	1.1	31.02	96.76	7.78	+74.47				
15+50.00	15.6	49.2	2.8	29.07	96.85	3.61	+78.71				
15+70.00	14.4	45.6	1.8	11.11	35.11	1.70	+28.14				
ESTIMATED									50.00	50.00	150.00
NORTH OF BRIDGE SUB-TOTAL				305.5	486.4	367.0	46.4		50.0	50.0	335.3
1+00.00		5.4	0.3								
1+10.00		11.6	0.1				+3.09	+3.16			
1+17.00		12.2	1.6				+2.85	+3.08			
1+25.00		114.6	0.8				+18.42	+18.78			
1+42.00		189.7	2.4				+94.81	+95.81			
1+59.00		125.4	22.0				+91.54	+99.22			
1+67.00		28.2	41.1				+13.41	+22.75			
1+76.00		9.7	9.1				-2.06	+6.31			
1+86.00		3.8	0.0				+0.81	+2.50			
BETWEEN ABUTMENTS (CHANNEL) SUB-TOTAL				0.0	0.0	0.0	222.9	251.6	0.0	0.0	0.0
SHRINKAGE FACTOR		15%									

EARTHWORK GENERAL NOTES

1. ALL EARTHWORK QUANTITIES ARE CALCULATED BY THE METHOD OF AVERAGE END AREAS USING THE PLAN CROSS SECTIONS.
2. SHRINKAGE FACTOR, ASSUMED TO BE 15% FOR THIS PROJECT IS ESTIMATED FOR THE PURPOSE OF DETERMINING A BALANCE OF EARTHWORK. THE CONTRACTOR SHALL ESTIMATE HIS OWN SHRINKAGE FACTORS IN DETERMINING HIS EARTHWORK. NO PAYMENT WILL BE MADE ON EARTHWORK QUANTITIES DUE TO VARIATION IN THE SHRINKAGE FACTOR SINCE EARTHWORK IS MEASURED IN ITS FINAL POSITION.
3. RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT PREPARED BY WANG ENGINEERING, INC., DATED, OCTOBER 6, 2009 WERE USED IN PREPARATION OF THE ROADWAY PLANS AND RELATED QUANTITY CALCULATIONS.
4. SIX (6) INCHES WAS ASSUMED ON THIS PROJECT FOR THE PURPOSE OF CALCULATING TOPSOIL STRIPPING QUANTITIES.
5. IF UNDERCUTS ARE ENCOUNTERED, UNDERCUTS WILL BE PAID FOR AS REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL. AFTER TOPSOIL STRIPPING AND VEGETATION CLEARING AND PRIOR TO UNDERCUTTING, THE SUBGRADE WILL BE TESTED WITH A STATIC OR DYNAMIC CONE PENETROMETER IN ACORDANCE WITH THE IDOT SUBGRADE STABILITY MANUAL TO DETERMINE REMEDIAL TREATMENT.
6. TESTING OF SUBGRADES AND EMBANKMENTS WILL BE REQUIRED. TESTING REQUIRMENTS WILL BE PER THE APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS AND THE SUBGRADE STABILITY MANUAL. IF PROOF ROLLS ARE REQUIRED BY THE ENGINEER, THE COST SHALL BE CONSIDERED INCLUDED IN THE COST OF EXCAVATION.
7. A NOMINAL 100 CY OF POROUS GRANULAR EMBANKMENT SUBGRADE HAS BEEN ESTIMATED TO ESTABLISH A UNIT PRICE FOR POSSIBLE LOCATIONS WHERE SOILS TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE SOILS ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL AND ROLL USING FULL LOAD SEMI), IF UNSUITABLE AND/OR UNSTABLE MATERIALS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR.
8. EARTH EXCAVATION SHALL BE PAID FOR ONLY ONCE, REGARDLESS OF STAGING OR SEQUENCING OF CONTRACTORS OPERATIONS THAT REQUIRE STOCKPILING OF MATERIALS FOR LATER USE FOR REDISTRIBUTION AND RESPREADING IN SHOULDERS AND CONSTRUCTING OF EMBANKMENTS.

SUMMARY OF EARTHWORK	TOPSOIL		EARTH WORK		SUBGRADE IMPROVEMENT		
	20201200	20200100	20400800	20300100	20201200	Z0042002	21001000
	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	EARTH EXCAVATION	FURNISHED EXCAVATION	CHANNEL EXCAVATION	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT SUBGRADE	GEOTECH. FABRIC FOR GROUND STABILIZATION
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(SQ YD)
TOTAL	553.6	1,207.2	-46.4	251.6	100.0	100.0	660.0
ADJ. TOTAL	555.0	1,210.0	50.0	255.0	100.0	100.0	660.0

- EXCAVATION BETWEEN ABUTMENTS SHALL BE CHANNEL EXCAVATION.
- CHANNEL EXCAVATION HAS BEEN ASSUMED TO BE UNSUITABLE MATERIAL FOR ROADWAY EMBANKMENT.
- A NOMINAL QUANTITY OF 50 CY YD FOR FURNISHED EXCAVATION HAS BEEN PROVIDED.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES			
SCALE:	SHEET NO. 10 OF 76 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	10
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PAVEMENT REMOVAL SCHEDULE

LOCATION	40600982	40600990	44000100	44000157	44000200
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP	PAVEMENT REMOVAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	DRIVEWAY PAVEMENT REMOVAL
	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)	(SQ YD)
MAINLINE					
7+00.00 - 8+00.00	25.00	25.0	36.0	345.0	
8+00.00 - 8+50.00			143.0		
8+50.00 - 9+00.00			128.2		
9+00.00 - 9+50.00			129.1		
9+50.00 - 10+00.00			128.6		
10+00.00 - 10+50.00			129.2		
10+50.00 - 11+06.50			145.4		
BRIDGE					
11+64.50 - 12+00.00			68.3		
12+00.00 - 12+50.00			90.8		
12+50.00 - 13+00.00			126.4		
13+00.00 - 13+50.00			126.3		
13+50.00 - 14+00.00			127.4		
14+00.00 - 14+50.00			128.7		
14+50.00 - 15+00.00			129.0		
15+00.00 - 15+50.00			128.9		
15+50.00 - 15+70.00			128.4		
15+70.00 - 16+00.00			51.0		7.0
16+00.00 - 16+50.00					
16+50.00 - 17+00.00					
17+00.00 - 17+50.00					26.0
17+50.00 - 18+00.00					
18+00.00 - 18+50.00					
18+50.00 - 19+00.00					
19+00.00 - 19+50.00					
19+50.00 - 20+00.00					
20+00.00 - 20+50.00					
20+50.00 - 21+00.00					
21+00.00 - 21+50.00					
21+50.00 - 22+00.00					
22+00.00 - 22+50.00	27.9				
22+50.00 - 23+00.00	68.8				
23+00.00 - 23+40.00	79.9				
ENTRANCE					
9+62.00					304.6
TOTAL	202	25	1,945	345	338

STRIPING AND GUARDRAIL SCHEDULE

LOCATION	63000001	63100087	63100167	78008210	78008270	78200410	78201000
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	TRAFFIC BARRIER TERMINAL, TYPE 6A	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	POLYUREA PAVEMENT MARKING TYPE I - LINE 24"	GUARDRAIL MARKERS, TYPE A	TERMINAL MARKER - DIRECT APPLIED
	(FOOT)	(EACH)	(EACH)	(FOOT)	(FOOT)	(EACH)	(EACH)
MAINLINE							
6+60.00 - 7+00.00				160	16		
7+00.00 - 8+00.00				155			
8+00.00 - 8+50.00				200			
8+50.00 - 9+00.00				200			1
9+00.00 - 9+50.00			1	200			
9+50.00 - 10+00.00	50.7			200		2	
10+00.00 - 10+50.00	49.3		1	200		1	1
10+50.00 - 11+06.50		2		226		1	
Bridge							
11+64.50 - 12+00.00		2		232			
12+00.00 - 12+50.00	48.2			142			
12+50.00 - 13+00.00	106.8			200		3	
13+00.00 - 13+50.00	45.0			200		3	
13+50.00 - 14+00.00			1	200		1	2
14+00.00 - 14+50.00			1	200			
14+50.00 - 15+00.00				200			
15+00.00 - 15+50.00				200			
15+50.00 - 15+70.00				80			
15+70.00 - 16+00.00				120			
16+00.00 - 16+50.00				200			
16+50.00 - 17+00.00				200			
17+00.00 - 17+50.00				200			
17+50.00 - 18+00.00				200			
18+00.00 - 18+50.00				200			
18+50.00 - 19+00.00				200			
19+00.00 - 19+50.00				200			
19+50.00 - 20+00.00				200			
20+00.00 - 20+50.00				200			
20+50.00 - 21+00.00				200			
21+00.00 - 21+50.00				200			
21+50.00 - 22+00.00				200			
22+00.00 - 22+50.00				68			
22+50.00 - 23+00.00					56.0		
23+00.00 - 23+40.00							
TOTAL	300	4	4	5,983	72	11	4

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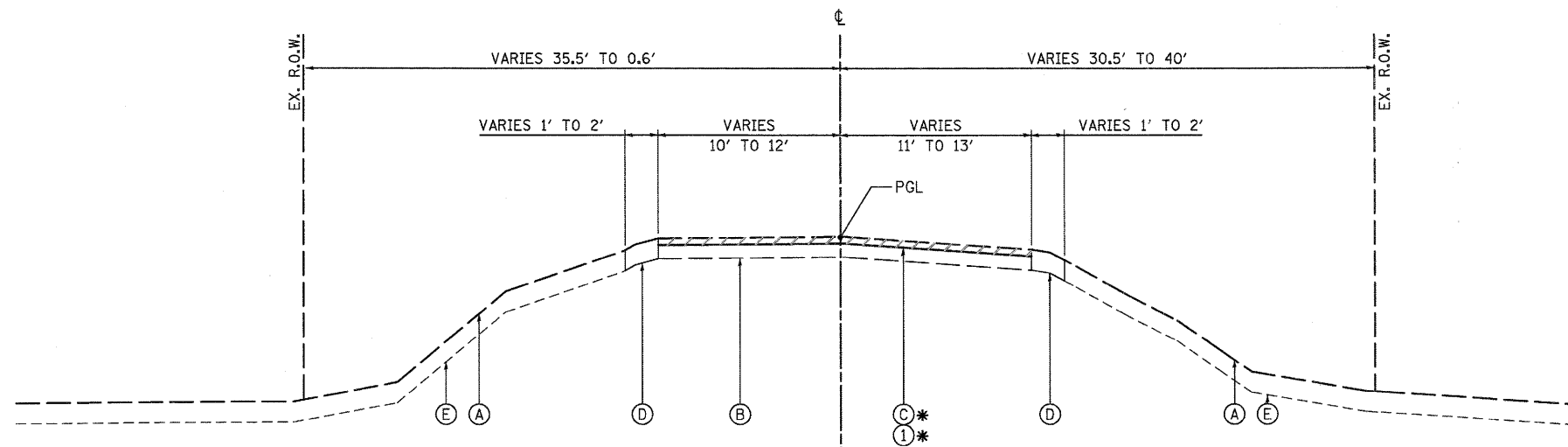


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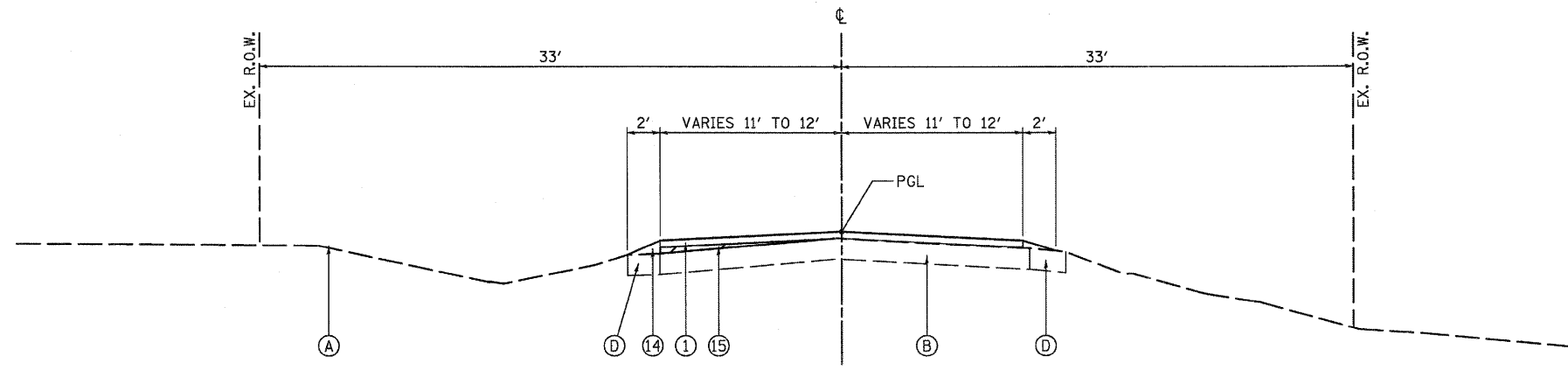
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES	
SCALE:	SHEET NO. 11 OF 76 SHEETS STA. TO STA.

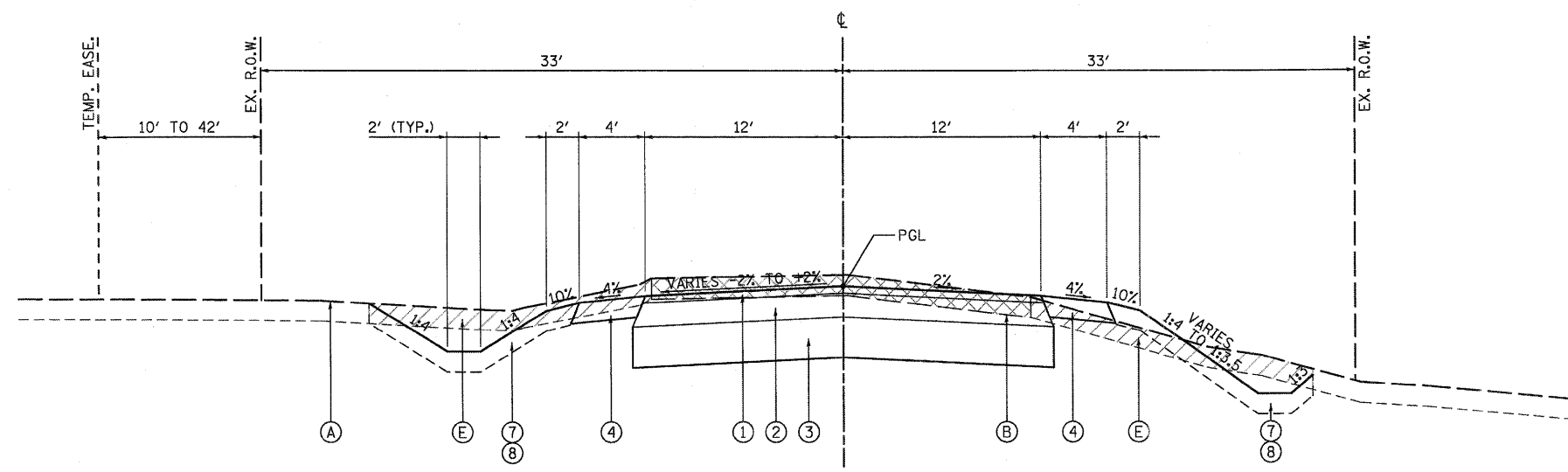
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	11
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



EXISTING TYPICAL SECTION
 STA. 7+00 TO STA. 23+40, BURR ROAD
 • STA. 7+00 TO STA. 8+00, BURR ROAD



PROPOSED TYPICAL SECTION NO. 1
 STA. 15+70 TO STA. 23+40, BURR ROAD



PROPOSED TYPICAL SECTION NO. 2
 STA. 8+00 TO STA. 9+09 LT / STA. 8+78 RT, BURR ROAD
 STA. 14+17 LT / STA. 13+68 TO STA. 15+70, BURR ROAD

LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 5" - 7.5" (NOTE 1)
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 2" - SURFACE REMOVAL (44000157)
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING TOPSOIL

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED OCTOBER 6, 2009. SEE ADDITIONAL NOTE BELOW.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED AND THE EXTENT TO WHICH IT WAS REINFORCED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS OR FOR VARIATIONS IN THE AMOUNT OF REINFORCEMENT.

LEGEND, PROPOSED

- ① 2" HMA SURFACE COURSE, MIX "D", N50 (40603335)
- ② 7" HMA BASE COURSE, IL-19.0, 7" (2 LIFTS - 35501312)
- ③ AGGREGATE SUBGRADE, 12" (Z0001050)
- ④ AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- ⑤ HMA SHOULDERS, 8" (48203029)
- ⑥ SUB BASE GRANULAR MATERIAL, TYPE B (31101100)
- ⑦ 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- ⑧ SEEDING W/EROSION CONTROL BLANKET OR HD EROSION CONTROL BLANKET
- ⑨ STRUCTURAL EMBANKMENT (TO BE PAID AS FURNISHED EXCAVATION - 20400800)
- ⑩ STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001) (STD. BLR 26-2)
- ⑪ PIPE UNDERDRAIN WITH FILTER FABRIC ENVELOPE, 4" (60107600)
- ⑫ POROUS GRANULAR EMBANKMENT, SUBGRADE (20700420)
- ⑬ GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)
- ⑭ AGGREGATE WEDGE SHOULDER, TYPE B (48102100)
- ⑮ LEVELING BINDER (MACHINE METHOD), N50 (40600625)

STRUCTURAL PAVEMENT DESIGN

STRUCTURAL DESIGN TRAFFIC: Year 2022
 PV = 7680 SU = 240 MU = 80
 ROAD/STREET CLASSIFICATION: Class 2
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 96 S = 3 M = 1
 TRAFFIC FACTOR: Actual TF = 0.59 AC Type = PG 64-22
 Minimum TF = NA
 PG GRADE: Binder = PG 64-22 /58-22 Surface = PG 64-22
 SUBGRADE SUPPORT RATING: SSR = (FAIR)

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
ITEM	AIR VOIDS @ Ndes
BURR ROAD - RECONSTRUCTION	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 7" (2 LIFTS)	4% @ 50 GYR.
BURR ROAD - HMA RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT LEVELING BINDER (MACHINE METHOD), N50 (2" MAX. PER LIFT)	4% @ 50 GYR.
BURR ROAD - APPROACH PAVEMENT CONNECTOR (FLEXIBLE)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4% @ 50 GYR.
HMA SHOULDERS	
HOT-MIX ASPHALT SHOULDER (HMA BINDER IL-19 mm), 8" (2 LIFTS)	2% @ 30 GYR.
DRIVEWAYS- P.E.	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 2"	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 6" (2 LIFTS)	4% @ 50 GYR.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LB/SQ YD/IN.
 THE AC TYPE FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

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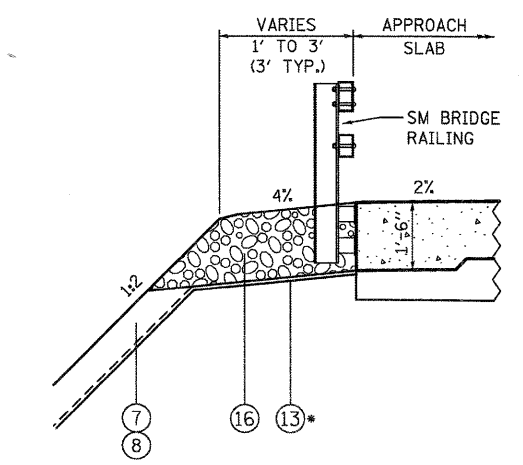
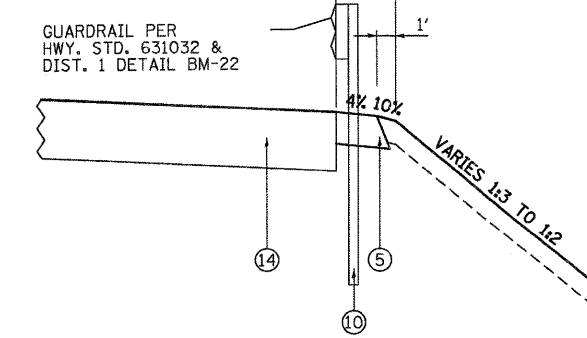
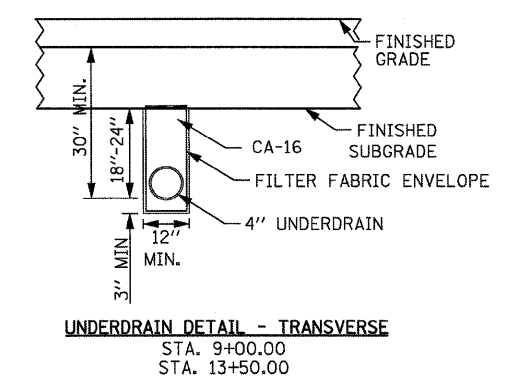
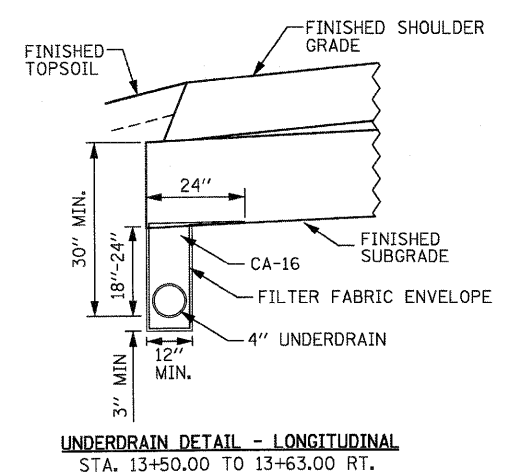
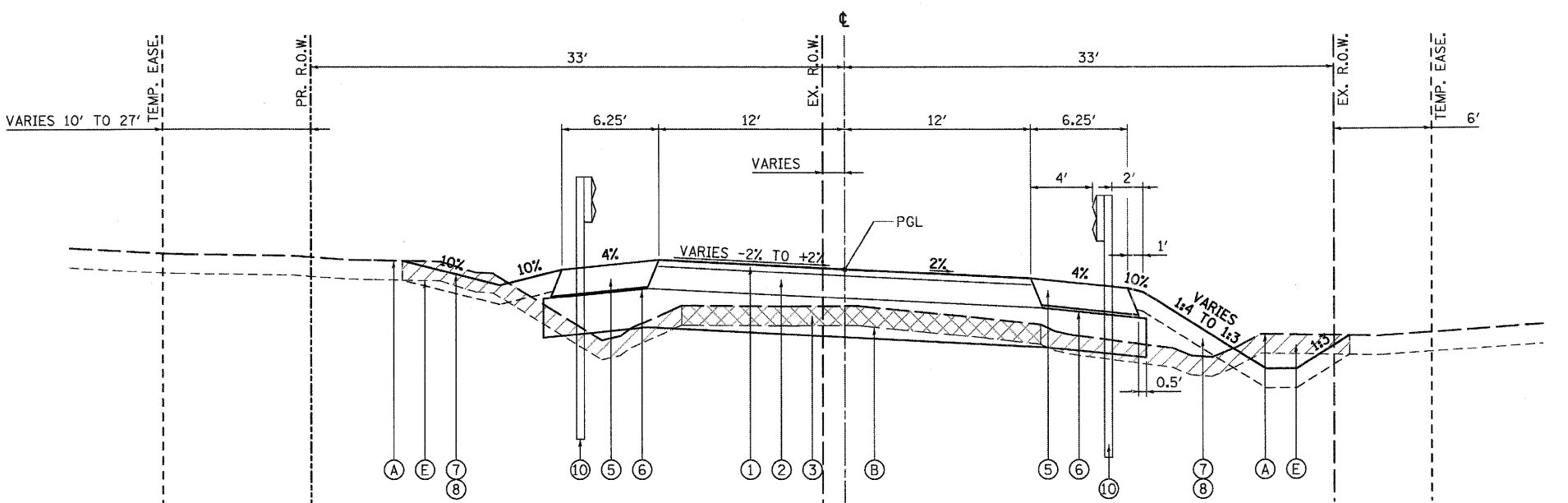
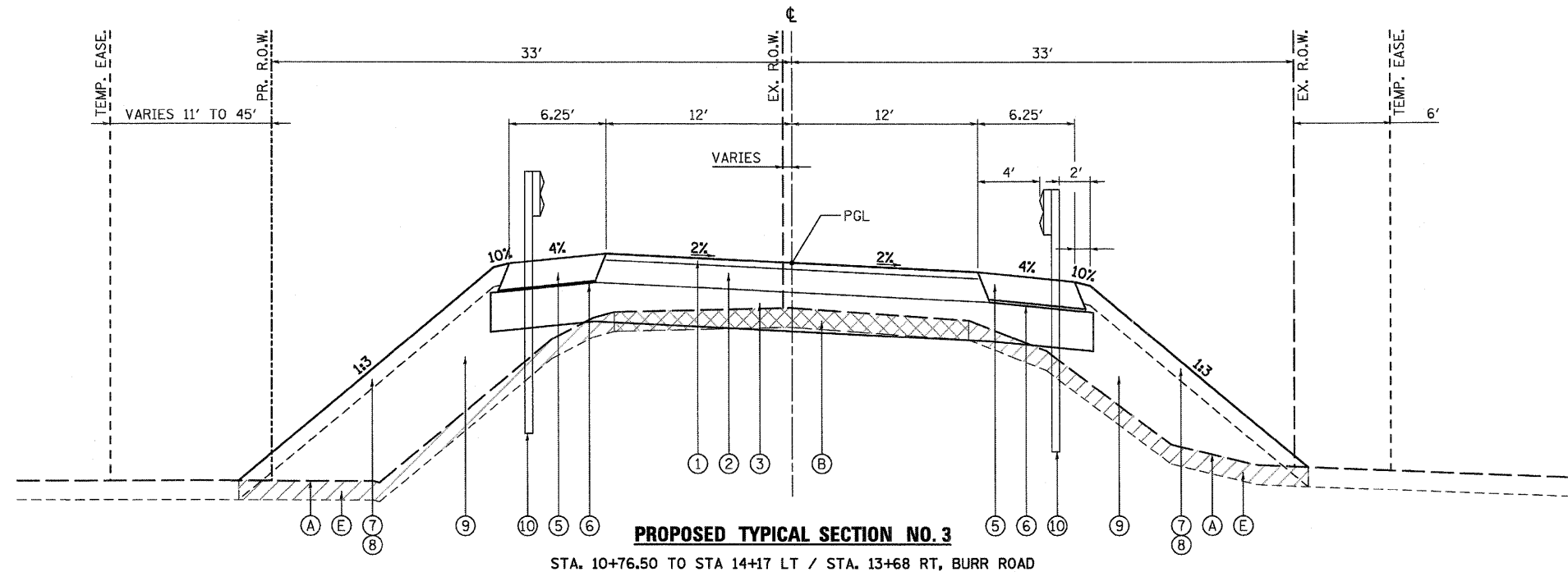
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE:	SHEET NO. 14 OF 76 SHEETS	STA. TO STA.
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	14
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63645	



LEGEND, EXISTING

- (A) EXISTING GROUND
- (B) EXISTING HOT-MIX ASPHALT PAVEMENT, 5" - 7.5" *
- (C) EXISTING HOT-MIX ASPHALT PAVEMENT, 2" - SURFACE REMOVAL (44000157)
- (D) EXISTING AGGREGATE SHOULDER
- (E) EXISTING TOPSOIL

EXISTING PAVEMENT NOTES

1. INFORMATION ON PAVEMENT AND BASE COURSE THICKNESS WAS TAKEN FROM INFORMATION DOCUMENTED IN THE "STRUCTURAL GEOTECHNICAL REPORT" PREPARED BY WANG ENGINEERING DATED OCTOBER 6, 2009. SEE ADDITIONAL NOTE BELOW.
2. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE THICKNESS OF THE EXISTING PAVEMENTS TO BE REMOVED AND THE EXTENT TO WHICH IT WAS REINFORCED. NO ADDITIONAL COMPENSATION WILL BE ALLOWED BECAUSE OF VARIATIONS FROM THE ASSUMED THICKNESS SHOWN ON THE PLANS OR FOR VARIATIONS IN THE AMOUNT OF REINFORCEMENT.

LEGEND, PROPOSED

- (1) 2" HMA SURFACE COURSE, MIX "D", N50 (40603335)
- (2) 7" HMA BINDER COURSE, IL-19.0, 7" (2 LIFTS - 35501312)
- (3) AGGREGATE SUBGRADE, 12" (20001050)
- (4) AGGREGATE SHOULDERS, TYPE B 6" (48101500)
- (5) HMA SHOULDERS, 8" (48203029)
- (6) SUB BASE GRANULAR MATERIAL, TYPE B (31101100)
- (7) 6" TOPSOIL EXCAVATION AND PLACEMENT (21101505)
- (8) SEEDING W/EROSION CONTROL BLANKET OR HD EROSION CONTROL BLANKET
- (9) STRUCTURAL EMBANKMENT (TO BE PAID AS FURNISHED EXCAVATION - 20400800)
- (10) STEEL PLATE BEAM GUARDRAIL, TYPE A, 6' POSTS (63000001) (STD. BLR 26-2)
- (11) PIPE UNDERDRAIN WITH FILTER FABRIC ENVELOPE, 4" (60107600)
- (12) POROUS GRANULAR EMBANKMENT, SUBGRADE (20700420)
- (13) GEOTECHNICAL FABRIC FOR GRND. STABILIZATION (21001000)
- (14) AGGREGATE WEDGE SHOULDER, TYPE B (48102100)
- (15) LEVELING BINDER (MACHINE METHOD), N50 (40600625)
- (16) AGGREGATE SHOULDER, SPECIAL (CA1) (X4811700)

* GEOTECHNICAL FABRIC SHALL BE LAID ON THE ENTIRE 1:2 SLOPE ADJACENT TO AGGREGATE SHOULDER SPECIAL.

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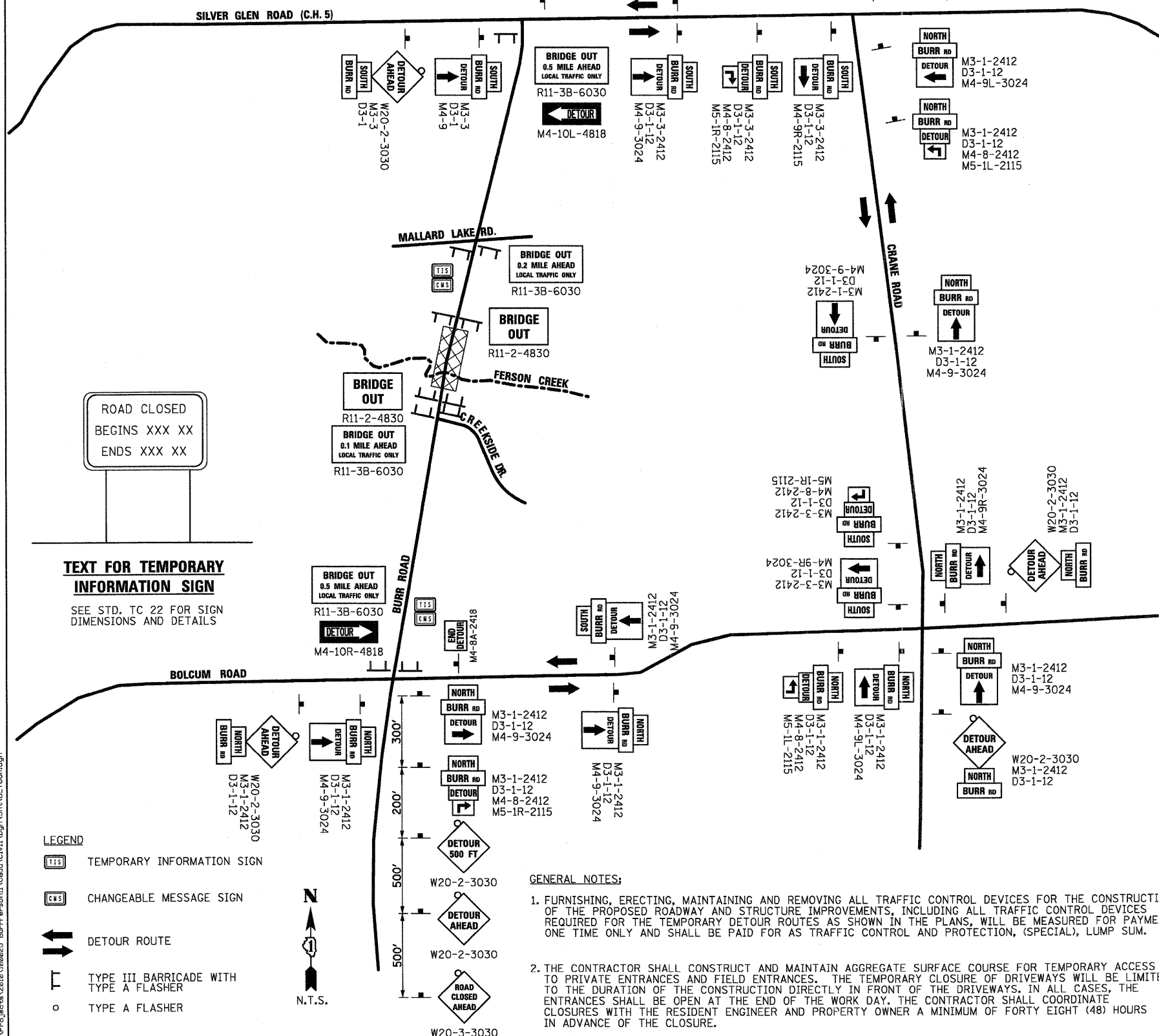
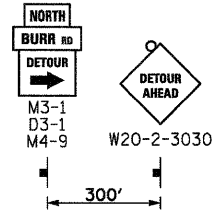
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS	
SCALE:	SHEET NO. 15 OF 76 SHEETS STA. TO STA.

I.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	15
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

TYPICAL DETOUR SIGN SPACING



ROAD CLOSED
BEGINS XXX XX
ENDS XXX XX

TEXT FOR TEMPORARY INFORMATION SIGN
SEE STD. TC 22 FOR SIGN DIMENSIONS AND DETAILS

- LEGEND**
- TEMPORARY INFORMATION SIGN
 - CHANGEABLE MESSAGE SIGN
 - DETOUR ROUTE
 - TYPE III BARRICADE WITH TYPE A FLASHER
 - TYPE A FLASHER



GENERAL NOTES:

1. FURNISHING, ERECTING, MAINTAINING AND REMOVING ALL TRAFFIC CONTROL DEVICES FOR THE CONSTRUCTION OF THE PROPOSED ROADWAY AND STRUCTURE IMPROVEMENTS, INCLUDING ALL TRAFFIC CONTROL DEVICES REQUIRED FOR THE TEMPORARY DETOUR ROUTES AS SHOWN IN THE PLANS, WILL BE MEASURED FOR PAYMENT ONE TIME ONLY AND SHALL BE PAID FOR AS TRAFFIC CONTROL AND PROTECTION, (SPECIAL), LUMP SUM.
2. THE CONTRACTOR SHALL CONSTRUCT AND MAINTAIN AGGREGATE SURFACE COURSE FOR TEMPORARY ACCESS TO PRIVATE ENTRANCES AND FIELD ENTRANCES. THE TEMPORARY CLOSURE OF DRIVEWAYS WILL BE LIMITED TO THE DURATION OF THE CONSTRUCTION DIRECTLY IN FRONT OF THE DRIVEWAYS. IN ALL CASES, THE ENTRANCES SHALL BE OPEN AT THE END OF THE WORK DAY. THE CONTRACTOR SHALL COORDINATE CLOSURES WITH THE RESIDENT ENGINEER AND PROPERTY OWNER A MINIMUM OF FORTY EIGHT (48) HOURS IN ADVANCE OF THE CLOSURE.

TEMPORARY DETOUR DURATION

THE CONTRACT DOCUMENTS WILL ALLOW THE ROADWAY CLOSURE AND TEMPORARY DETOUR DETAILED ON THIS SHEET TO REMAIN IN PLACE UNTIL AUGUST 24, 2012. THE CONTRACTOR WILL BE EXPECTED TO COMPLETE ALL THE PROPOSED WORK RELATED TO THE CONSTRUCTION OF THE PROPOSED BRIDGE AND ROADWAY DURING THIS CLOSURE. THE ROADWAY MUST HAVE THE HMA SURFACE COURSE PLACED AND THE GUARDRAIL INSTALLED BEFORE THE ROADWAY IS OPENED TO TRAFFIC. IF THE SURFACE COURSE AND GUARD RAIL ARE NOT COMPLETE IN THE ALLOWED TIME, ADDITIONAL TRAFFIC CONTROL DEVICES REQUIRED FOR THE COMPLETION OF REMAINING CONSTRUCTION OPERATIONS WILL BE AT THE CONTRACTOR COSTS.

CHANGEABLE MESSAGE SIGN

THE CONTRACTOR SHALL PLACE ELECTRONIC CHANGEABLE MESSAGE SIGNS ON THE NORTH AND SOUTH SIDES OF THE BRIDGE TO WARN THE PUBLIC OF THE PENDING CLOSURE. THE MESSAGE BOARDS WILL NEED TO BE PLACED AND SET OUT FOUR SEVEN (7) DAYS IN ADVANCE OF THE ANTICIPATED FIRST DAY OF CONSTRUCTION. THE SIGNS SHALL REMAIN IN PLACE FOR THE SPECIFIED CONTRACT TIME. THE CONTRACTOR WILL COORDINATE WITH THE RESIDENT ENGINEER ON THE EXACT PLACEMENT OF THE MESSAGE BOARDS AND THE MESSAGE THAT IS TO BE DISPLAYED. THE MESSAGE MAY PERIODICALLY BE CHANGED BY THE TOWNSHIP. THERE WILL BE NO ADDITIONAL COMPENSATION FOR CHANGING OF THE MESSAGE(S). THE MESSAGE BOARDS WILL BE PAID FOR AS CHANGEABLE MESSAGE SIGN, PER CALENDAR DAY FOR EACH MESSAGE SIGN UTILIZED.

TEMPORARY INFORMATION SIGN

THE CONTRACTOR SHALL ERECT TEMPORARY INFORMATION SIGNS ON THE NORTH AND SOUTH SIDE OF THE BRIDGE TO INFORM THE PUBLIC OF THE CONSTRUCTION DURATION. THE CONTRACTOR WILL COORDINATE WITH THE RESIDENT ENGINEER ON THE EXACT PLACEMENT OF THE SIGN. THE SIGN SHALL BE IN PLACE FOR THE ENTIRE DURATION OF THE CONTRACT OR AS DIRECTED BY THE RESIDENT ENGINEER. THE TEMPORARY SIGN WILL BE AS DIMENSIONED ON STD. TC22 EXCEPT THE MESSAGE SHALL BE AS DETAILED ON THE DETOUR PLAN. THE SIGNING, WHICH INCLUDES POST AND MOUNTING, WILL BE PAID AS TEMPORARY INFORMATION SIGNING, PER EACH SIGN ERECTED.

CONTACTS

THE CONTRACTOR SHALL COORDINATE ALL MAINTENANCE OF TRAFFIC OPERATIONS WITH ALL MUNICIPALITIES, TOWNSHIP, AND COUNTY ENTITIES WITHIN THE PROJECT LIMITS. THE FOLLOWING IS THE CONTACT FOR THE ST. CHARLES TOWNSHIP HIGHWAY DEPARTMENT.

- DONALD SCHLOMANN, SUPERINENDENT, C.U.S.D. 303, 630-513-3030
- CARL SCHOEDL, DIRECTOR, KANE CO. DIVISION OF TRANSPORTATION, 630-584-1170
- DONALD BRYANT, DIRECTOR, KANE CO. OFFICE OF EMERGENCY MANAGEMENT, 630-232-5985
- POSTMASTER, ST. CHARLES, 60175, 630-584-2318
- PATRICK PEREZ, KANE CO. SHERIFF, 630-232-6840
- CHRIS MERRIT, CHIEF OF POLICE, SOUTH ELGIN, 847-741-2151
- PATRICK MULLEN, CHIEF, ST. CHARLES FIRE DEPARTMENT, 630-377-4458
- GREG BENSON, CHIEF, FOX RIVER AND COUNTRYSIDE FIRE/RESCUE DISTRICT, 630-584-3473
- RON JOHNSON, HIGHWAY COMMISSIONER, ST. CHARLES TOWNSHIP, 630-584-3496
- DAVE BOESCH, KANE COUNTY DEPARTMENT OF TRANSPORTATION, 630-845-7875

LIMITATIONS OF CONSTRUCTION

THE CONTRACTOR SHALL COORDINATE THE ITEMS OF WORK IN ORDER TO KEEP HAZARDS AND TRAFFIC INCONVENIENCES TO A MINIMUM, AS SPECIFIED BELOW:

1. DURING THE CONSTRUCTION WHEN THE ROADWAY IS NOT CLOSED, CONSTRUCTION OPERATIONS WILL BE CONDUCTED SO ONE LANE IN EACH DIRECTION ON BURR ROAD REMAINS OPEN.
2. THE CONTRACTOR SHALL PROVIDE, ERECT, AND MAINTAIN ALL THE NECESSARY SIGNS, BARRICADES, CONES, DRUMS, AND LIGHTS FOR THE WARNING AND PROTECTION OF TRAFFIC, AS REQUIRED BY SECTIONS 107 AND 701 THROUGH 703 OF THE STANDARD SPECIFICATIONS, AND AS MODIFIED.
3. THE CONTRACTOR SHALL FURNISH AND ERECT "ROAD CONSTRUCTION AHEAD" SIGNS (W20-1 (O)-48) AT BOTH ENDS OF THE PROJECT AND AT ALL SIDE ROADS WITHIN THE LIMITS OF THIS SECTION WHEN WORKING IN THE VICINITY OF THE SIDE ROAD INTERSECTION.

OFF-PEAK HOURS

FOR CONSTRUCTION OPERATION OUTSIDE THE DESIGNATED DETOUR PERIOD, THE "OFF-PEAK" HOURS ARE DEFINED AS THE DAYTIME HOURS FROM 9:00 A.M. TO 3:00 P.M. AND NIGHT TIME HOURS FROM 9:00 P.M. TO 6:00 A.M., MONDAY THROUGH FRIDAY.

KEEPING ROADS OPEN TO TRAFFIC

THE CONTRACTOR SHALL SCHEDULE HIS/HER SEQUENCE OF OPERATIONS TO PERMIT THE CONSTRUCTION OF THIS SECTION WITH THE LEAST INCONVENIENCE TO THE TRAVELING PUBLIC. THE CONTRACTOR'S SCHEDULE SHALL REFLECT THE FOLLOWING REQUIREMENTS AND SEQUENCE OF CONSTRUCTION. THESE REQUIREMENTS FOLLOW THE SUGGESTED TRAFFIC CONTROL PLAN INCLUDED IN THE DRAWINGS.

1. BURR ROAD MAY BE COMPLETELY CLOSED TO TRAFFIC FOR THE DURATION SPECIFIED IN THE CONTRACT DOCUMENTS.
2. ACCESS TO FIELD AND PRIVATE ENTRANCES SHALL REMAIN OPEN AT ALL TIMES. ON PROPERTIES THAT HAVE MORE THAN ONE ACCESS, ONE ENTRANCE MAY BE TEMPORARILY CLOSED. HOWEVER, VEHICULAR ACCESS MUST REMAIN OPEN TO TRAFFIC FOR THE OPPOSITE ENTRANCE. WHEN IT IS NECESSARY TO CLOSE AN ENTRANCE, THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT ENGINEER AND THE PROPERTY OWNER FORTY-EIGHT (48) HOURS IN ADVANCE OF THE WORK. IN ALL CASES, THE ENTRANCE SHALL BE OPEN AT THE END OF THE WORKDAY.

TRAILER MOUNTED ARROW BOARD

UNLESS OTHERWISE REQUIRED BY A SPECIFIED TRAFFIC CONTROL STANDARD, THE USE OF A TRAILER MOUNTED ARROW BOARD(S) ARE NOT ANTICIPATED FOR THIS PROJECT.

SEQUENCE OF CONSTRUCTION

- IN GENERAL, THE STAGING OF CONSTRUCTION FOR THIS SECTION SHALL BE AS FOLLOWS:
- MAJOR WORK ITEMS - STAGE 1 BURR ROAD**
- COORDINATE UTILITY RELOCATES.
 - SET UP CHANGEABLE MESSAGE BOARD.
 - SET UP DETOUR AS DETAILED IN THE PLANS.
 - SET UP TEMPORARY EROSION CONTROL MEASURES.
 - REMOVE EXISTING VEGETATION, PAVEMENTS, AND BRIDGE STRUCTURE (SEE REMOVAL PLANS SHEETS).
 - CONSTRUCT THE PROPOSED BRIDGE, SUBGRADE, AGGREGATE BASE COURSES, PAVEMENTS (TO SURFACE), AND UNDERDRAINS.
 - CONSTRUCT GUARDRAILS AND SIGNAGE.
- MAJOR WORK ITEMS - STAGE 2 - RESTORATION**
- THESE ITEMS MAY TAKE PLACE AFTER THE ROADWAY IS OPEN TO TRAFFIC.
- PLACE PERMANENT RESTORATION.
 - PLACE PERMANENT PAVEMENT MARKINGS.
 - FINALIZE PUNCH LIST AND SITE CLEANUP.

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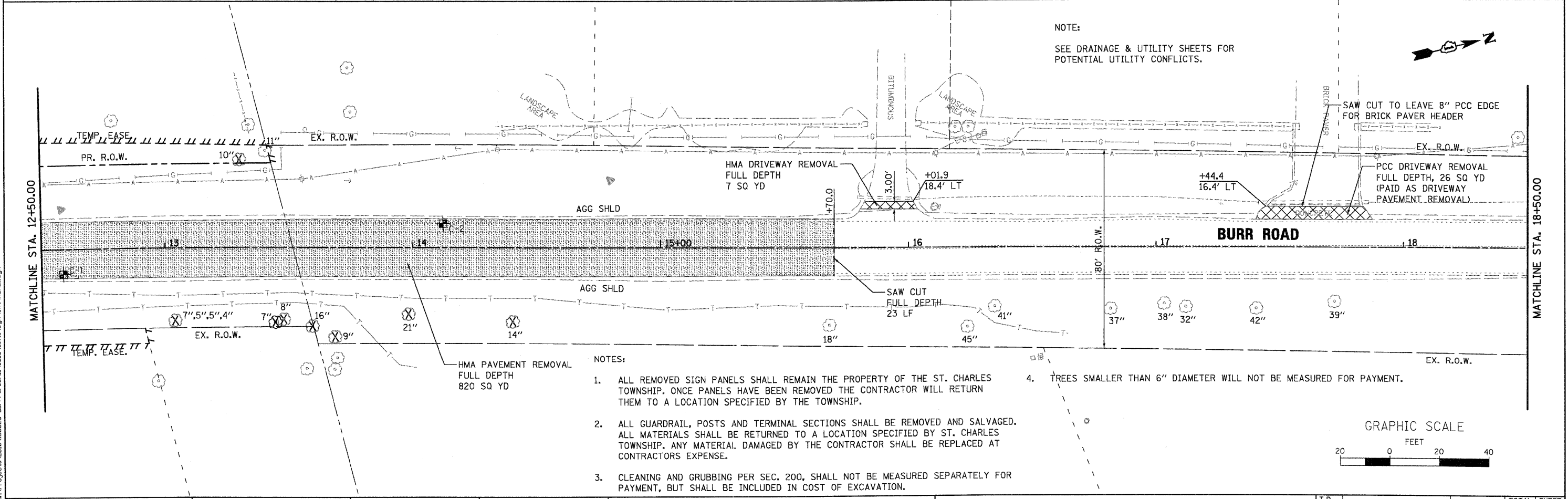
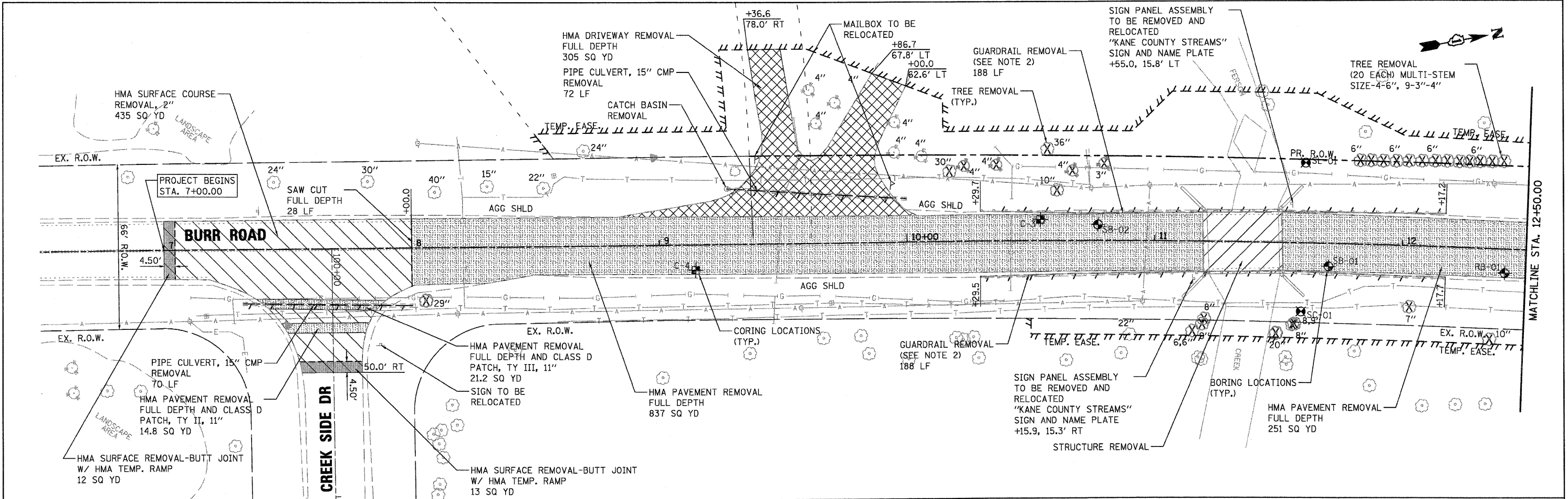
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

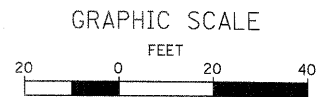
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SCALE:	SHEET NO. 17 OF 76 SHEETS STA. TO STA.

TOWNSHIP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	17
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63645	



NOTE:
SEE DRAINAGE & UTILITY SHEETS FOR
POTENTIAL UTILITY CONFLICTS.

- NOTES:
- ALL REMOVED SIGN PANELS SHALL REMAIN THE PROPERTY OF THE ST. CHARLES TOWNSHIP. ONCE PANELS HAVE BEEN REMOVED THE CONTRACTOR WILL RETURN THEM TO A LOCATION SPECIFIED BY THE TOWNSHIP.
 - ALL GUARDRAIL, POSTS AND TERMINAL SECTIONS SHALL BE REMOVED AND SALVAGED. ALL MATERIALS SHALL BE RETURNED TO A LOCATION SPECIFIED BY ST. CHARLES TOWNSHIP. ANY MATERIAL DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT CONTRACTORS EXPENSE.
 - CLEANING AND GRUBBING PER SEC. 200, SHALL NOT BE MEASURED SEPARATELY FOR PAYMENT, BUT SHALL BE INCLUDED IN COST OF EXCAVATION.
 - TREES SMALLER THAN 6" DIAMETER WILL NOT BE MEASURED FOR PAYMENT.



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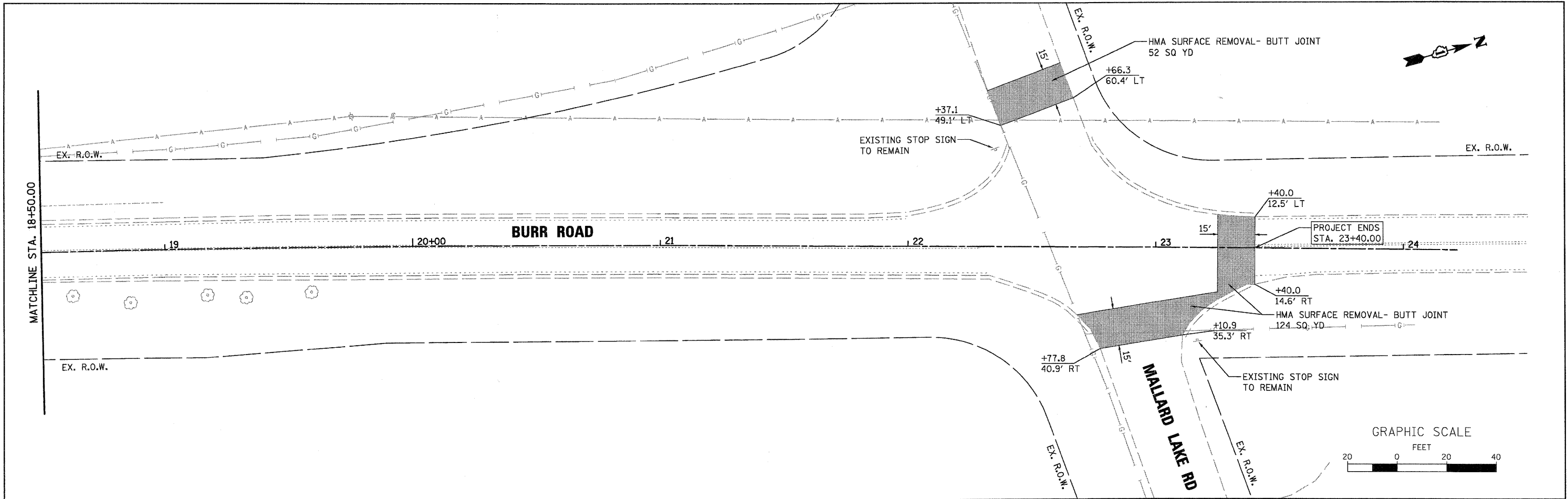
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING CONDITIONS
& REMOVAL PLAN**
SCALE: 1"=20' SHEET NO. 18 OF 76 SHEETS STA. 7+00 TO STA. 18+50

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63645

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USER NAME = nporris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1"=20'	DRAWN - NDP	REVISED -
PLOT DATE = 10/19/2011	CHECKED - SBP	REVISED -
	DATE - 10/24/11	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

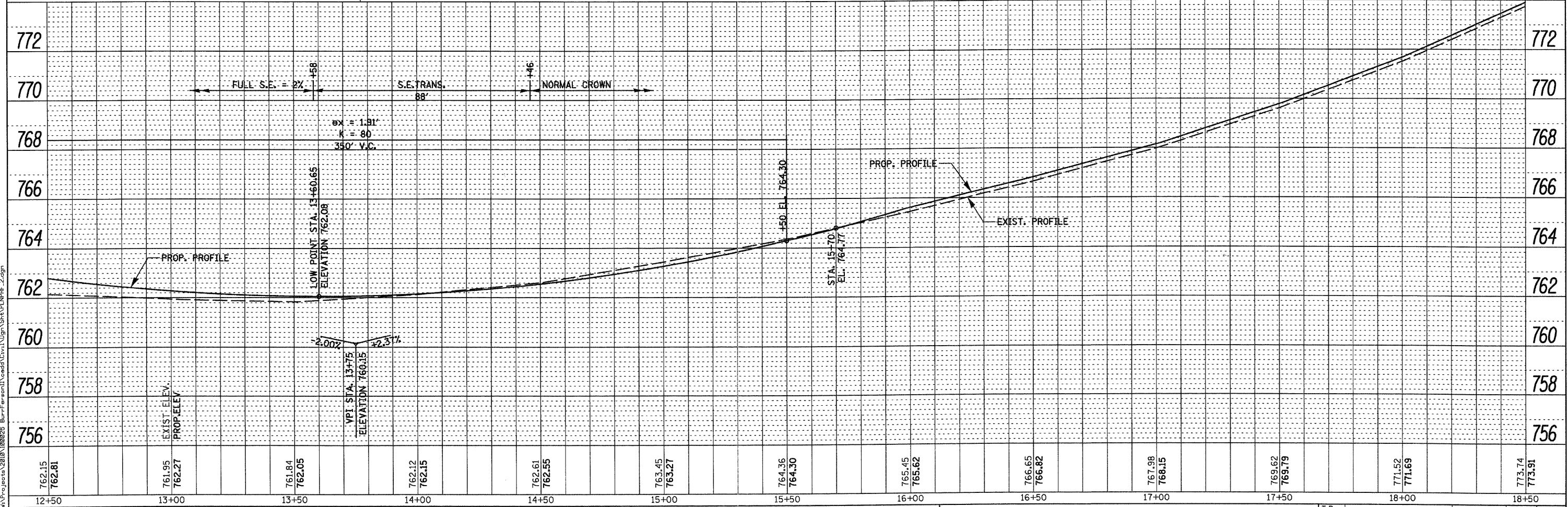
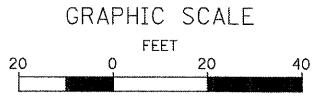
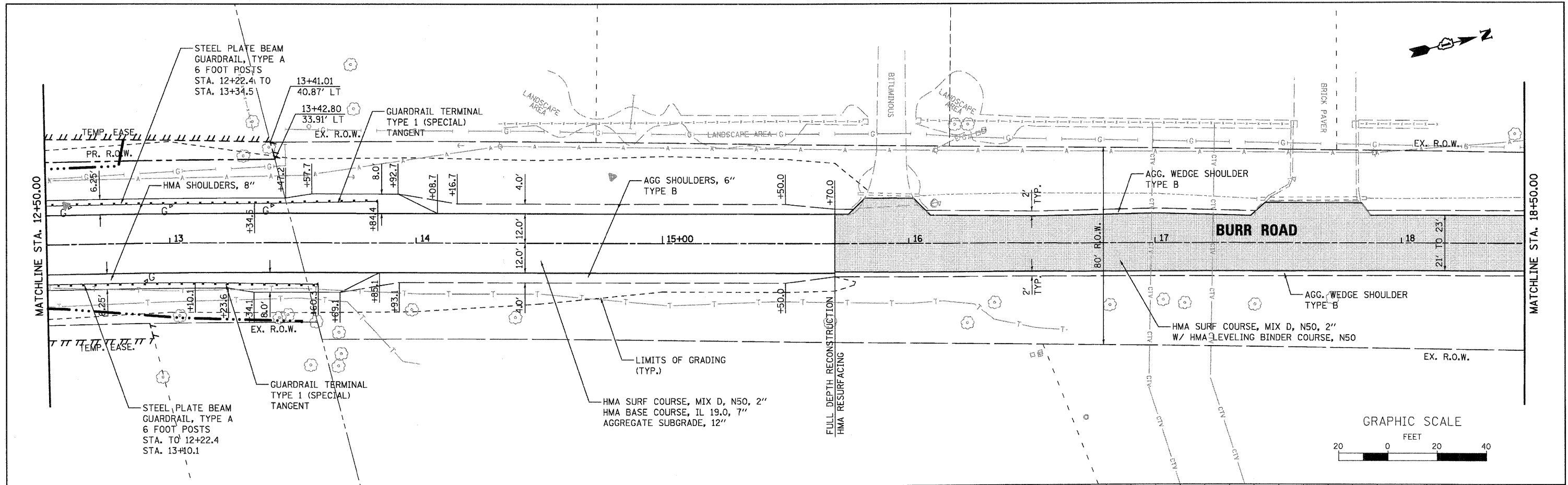
EXISTING CONDITIONS & REMOVAL PLAN	
SCALE: 1"=20'	SHEET NO. 19 OF 76 SHEETS
STA. 18+50	TO STA. 23+40

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	19
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63645

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	DATE		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
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	DATE		
	NO.		
	FILE NAME		



762.15	761.95	761.84	762.12	762.61	763.45	764.36	765.45	766.65	767.98	769.62	771.52	773.74
762.81	762.27	762.05	762.15	762.55	763.27	764.30	765.62	766.82	768.15	769.79	771.69	773.91
12+50	13+00	13+50	14+00	14+50	15+00	15+50	16+00	16+50	17+00	17+50	18+00	18+50

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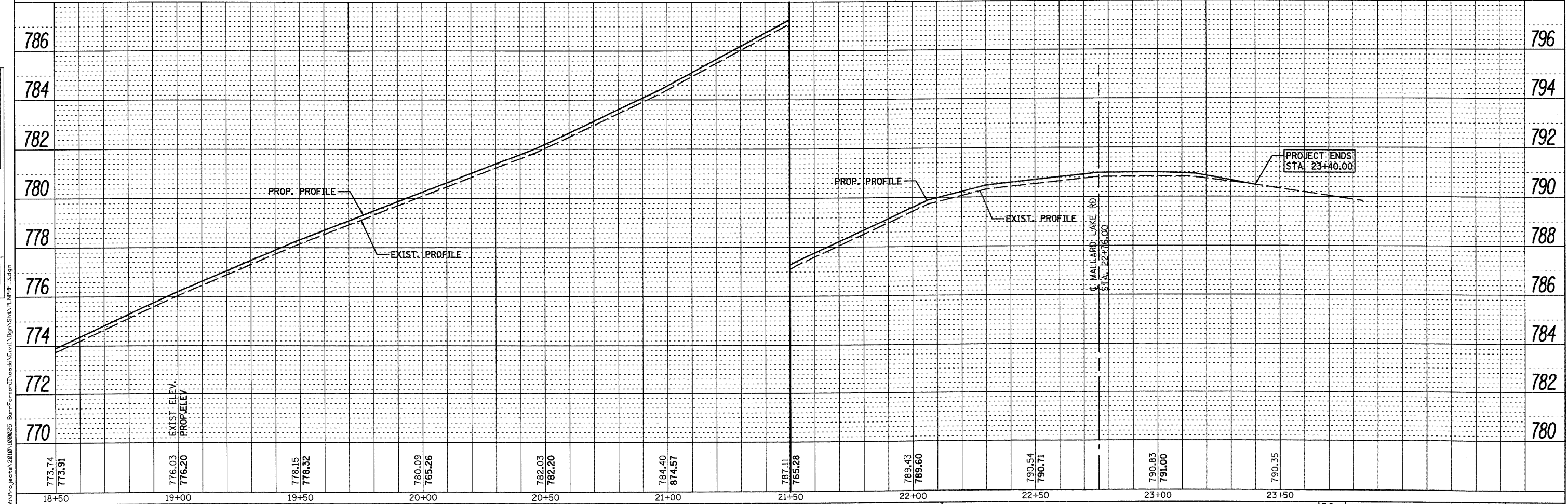
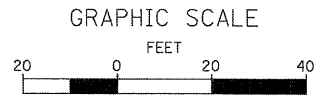
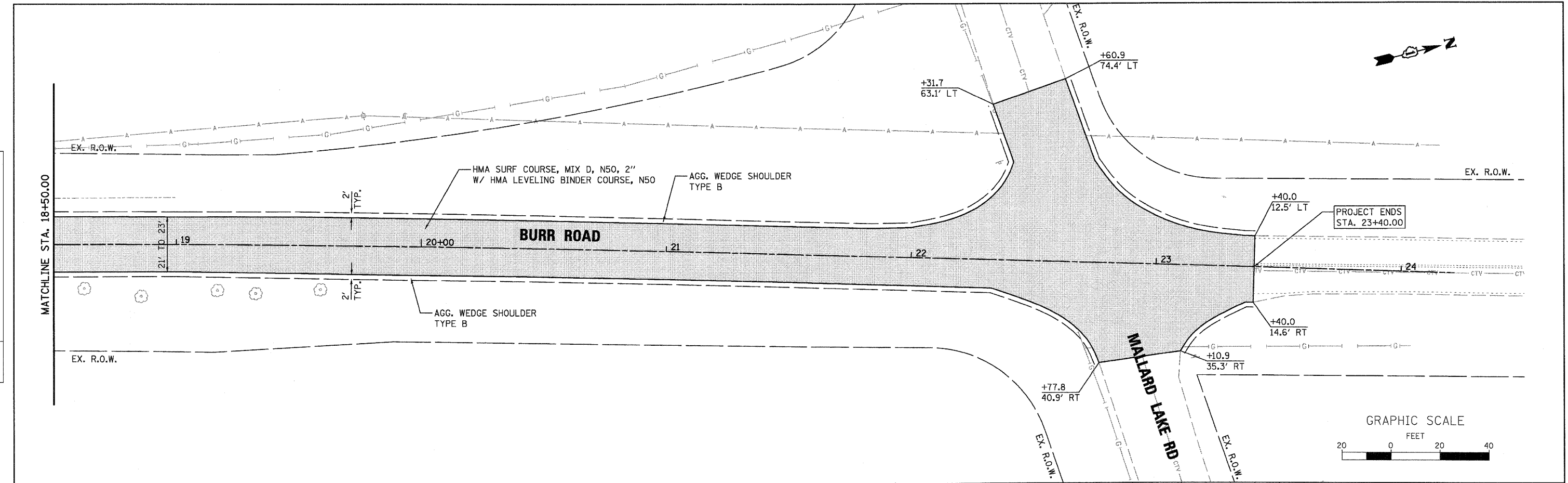
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DRAWN - NDP	CHECKED - SBP	DATE - 10/24/11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN & PROFILE		I-R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: 1"=20'	SHEET NO. 21 OF 76 SHEETS	194	08-14117-00-BR	KANE	76	21
STA. 12+50 TO STA. 18+50		CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

PLAN	SURVEYED	BY	DATE
	ALIGNED		
	CHECKED		
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	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO.		
	FILE NAME		



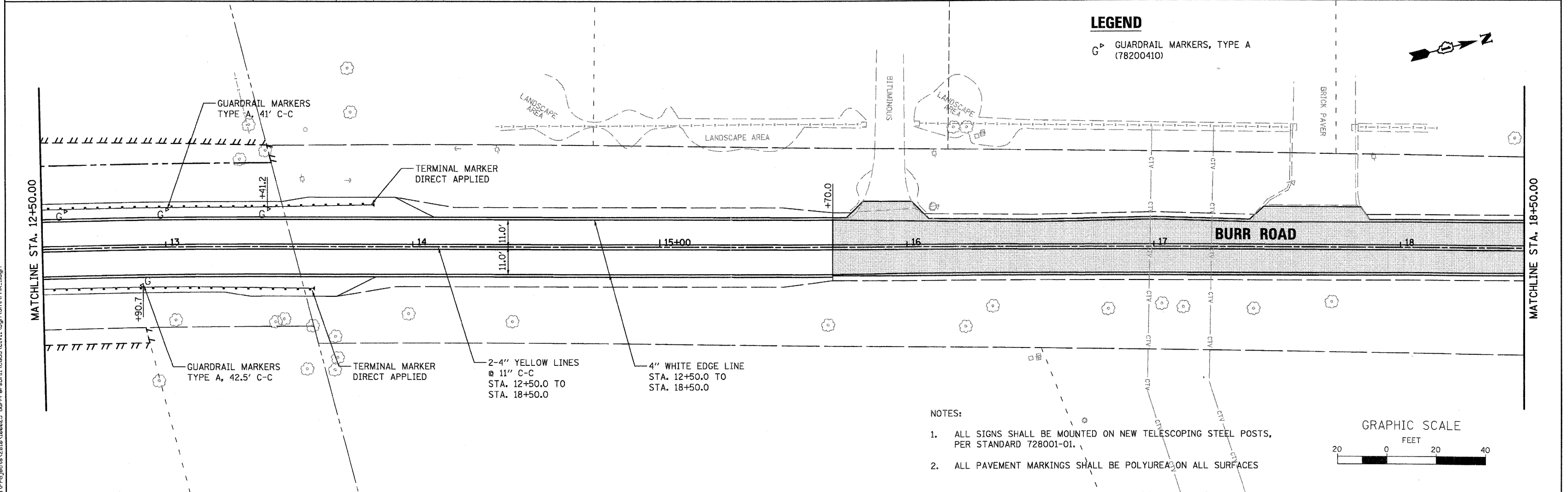
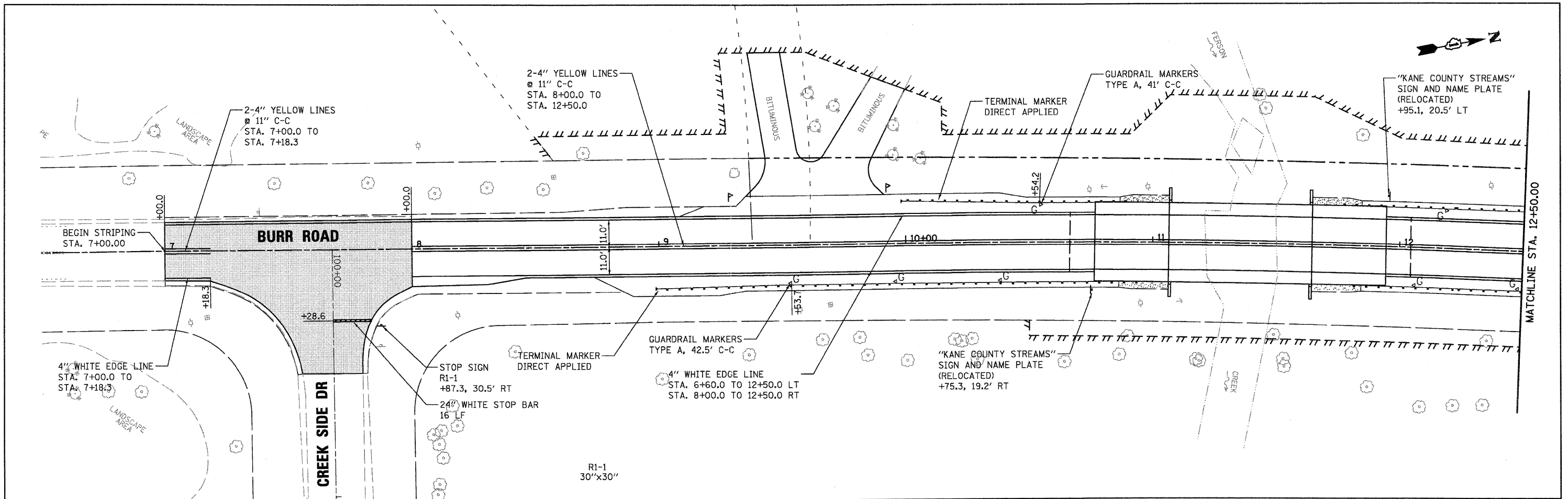
WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nporris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1"=20'	DRAWN - NDP	REVISED -
PLOT DATE = 10/19/2011	CHECKED - SBP	REVISED -
	DATE - 10/24/11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN & PROFILE	
SCALE: 1"=20'	SHEET NO. 22 OF 76 SHEETS
STA. 18+50	TO STA. 23+40

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	22
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

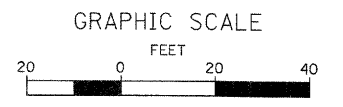


LEGEND

G[▷] GUARDRAIL MARKERS, TYPE A (78200410)

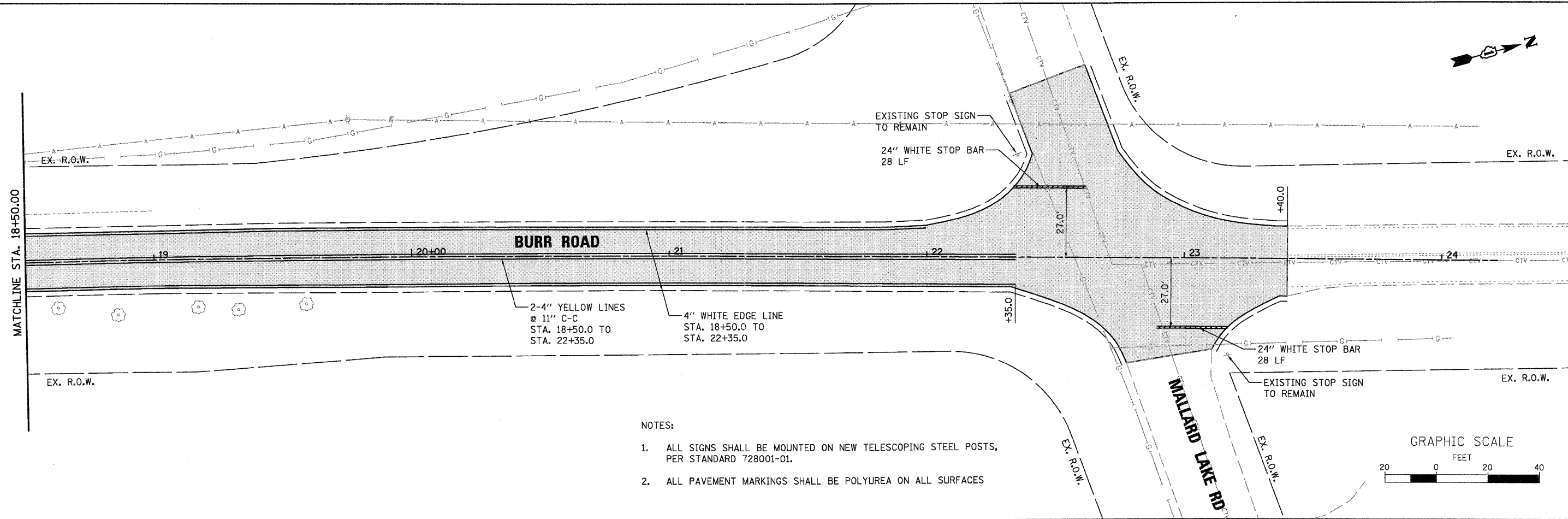
NOTES:

- ALL SIGNS SHALL BE MOUNTED ON NEW TELESCOPING STEEL POSTS, PER STANDARD 728001-01.
- ALL PAVEMENT MARKINGS SHALL BE POLYUREA ON ALL SURFACES



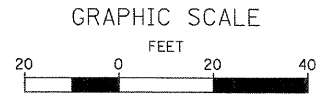
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WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174	USER NAME = nparris	DESIGNED - KMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING & SIGNING PLAN		T.R. RTE. 194	SECTION 08-14117-00-BR	COUNTY KANE	TOTAL SHEETS 76	SHEET NO. 26
	PLOT SCALE = 1"=20'	CHECKED - SBP	REVISED -		SCALE: 1"=20'	SHEET NO. 26 OF 76 SHEETS	STA. 7+00 TO STA. 18+50	CONTRACT NO. 63645			
	PLOT DATE = 10/19/2011	DATE - 10/24/11	REVISED -				FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



NOTES:

1. ALL SIGNS SHALL BE MOUNTED ON NEW TELESCOPING STEEL POSTS, PER STANDARD 728001-01.
2. ALL PAVEMENT MARKINGS SHALL BE POLYUREA ON ALL SURFACES



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WBK WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE = 1"=20'	DRAWN - NDP	REVISED -
PLOT DATE = 10/19/2011	CHECKED - SBP	REVISED -
	DATE - 10/24/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING & SIGNING PLAN	
SCALE: 1"=20'	SHEET NO. 27 OF 76 SHEETS
STA. 18+50	TO STA. 23+40

I.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	27
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONTRACTOR SHALL NOT PARK ANY HEAVY EQUIPMENT ADJACENT TO THE TREES FROM STA. 8+00.0 TO 8+80.0

PROJECT BEGINS STA. 7+00.00

SEEDING CL 1 (0.03 AC) AND EROSION CONTROL BLANKET, 129 SQ YD

PERIMETER EROSION BARRIER (TEMPORARY) 38 LF

SEEDING CL 1 (0.02 AC) AND EROSION CONTROL BLANKET, 103 SQ YD

SEEDING CL 4 (MOD) (0.01 AC) SEEDING CL 5 (MOD) (0.01 AC) AND HD EROSION CONTROL BLANKET 54 SQ YD

PERIMETER EROSION BARRIER (TEMPORARY) 114 LF

SEEDING CL 1 (0.03 AC) AND EROSION CONTROL BLANKET, 150 SQ YD
SEEDING CL 2A (0.03 AC) AND EROSION CONTROL BLANKET, 129 SQ YD

PERIMETER EROSION BARRIER (TEMPORARY) 304 LF
TEMPORARY FENCE, TREE PROTECTION (TYP.)

SEEDING CL 2A (0.08 AC) AND EROSION CONTROL BLANKET, 398 SQ YD

TEMP. EASE.

SEEDING CL 1 (0.04 AC) AND EROSION CONTROL BLANKET, 177 SQ YD

PERIMETER EROSION BARRIER (TEMPORARY) 148 LF

TEMP. EASE.

EX. R.O.W.

W.C.O.R.W.

BURR ROAD

TEMPORARY PIPE AND INLET PROTECTION W/ INLET FILTER

SEEDING CL 2A (0.03 AC) AND EROSION CONTROL BLANKET, 154 SQ YD

WETLAND BOUNDARY (TYP.)

MATCHLINE STA. 12+50.00

EX. R.O.W.

TEMPORARY PIPE AND INLET PROTECTION

SEEDING CL 2A (0.03 AC) AND EROSION CONTROL BLANKET, 126 SQ YD

CREEK SIDE DR

RIPRAP, CL A3 2 SQ YD

SEEDING CL 2A (0.08 AC) AND EROSION CONTROL BLANKET, 393 SQ YD

PERIMETER EROSION BARRIER (TEMPORARY) 337 LF

TEMPORARY DITCH CHECKS (TYP.)

SEEDING CL 4 (MOD) (0.03 AC) SEEDING CL 5 (MOD) (0.03 AC) AND HD EROSION CONTROL BLANKET 140 SQ YD
TURBIDITY CURTAIN 197 LF

SEEDING CL 4 (MOD) (0.03 AC) SEEDING CL 5 (MOD) (0.03 AC) AND HD EROSION CONTROL BLANKET 162 SQ YD

PERIMETER EROSION BARRIER (TEMPORARY) 103 LF

EROSION CONTROL BLANKET W/ PERMANENT SEEDING BEYOND TURF REINFORCEMENT MAT

EROSION CONTROL BLANKET W/ PERMANENT SEEDING BEYOND TURF REINFORCEMENT MAT

TURF REINFORCEMENT MATS W/ PERMANENT SEEDING (FINAL DITCH SLOPES)

TURF REINFORCEMENT MAT

STA. 10+50.00 TO STA. 11+06.50 RT/LT

DITCH LIMITS
VAR.



SEEDING CL 1 (0.02 AC) AND EROSION CONTROL BLANKET, 75 SQ YD

PERIMETER EROSION BARRIER (TEMPORARY) 321 LF

SEEDING CL 2A (0.16 AC) AND EROSION CONTROL BLANKET, 776 SQ YD

TEMPORARY DITCH CHECKS (TYP.)

RIPRAP, CL A3 2 SQ YD

MATCHLINE STA. 12+50.00

TEMP. EASE.

EX. R.O.W.

LANDSCAPE AREA - G

BITUMINOUS

LANDSCAPE AREA

BRICK PAVEMENT

EX. R.O.W.

13

14

15+00

16

17

BURR ROAD

18

WETLAND BOUNDARY (TYP.)

EX. R.O.W.

+52.6

PERIMETER EROSION BARRIER (TEMPORARY) 333 LF

TEMPORARY TREE TRUNK PROTECTION (TYP.)

SEEDING CL 2A (0.11 AC) AND EROSION CONTROL BLANKET, 541 SQ YD

SEEDING CL 4 (MOD) (0.03 AC) SEEDING CL 5 (MOD) (0.03 AC) AND HD EROSION CONTROL BLANKET 146 SQ YD

LEGEND



SEEDING CL 2A AND EROSION CONTROL BLANKET



SEEDING CL 4 (MOD) SEEDING CL 5 (MOD) AND HD EROSION CONTROL BLANKET



SEEDING CL 1 AND EROSION CONTROL BLANKET



TEMPORARY PIPE & INLET PROTECTION



TEMPORARY TREE TRUNK PROTECTION



TEMPORARY DITCH CHECK (ROLLED EXCELSIOR LOGS)



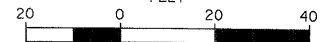
TEMPORARY FENCE, TREE PROTECTION



WETLAND BOUNDARY

PERIMETER EROSION BARRIER (TEMPORARY)
TURBIDITY CURTAIN

GRAPHIC SCALE



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USER NAME = nparris
PLOT SCALE = 1"=20'
PLOT DATE = 11/17/2011

DESIGNED - KMA
DRAWN - NDP
CHECKED - SBP
DATE - 10/24/11

REVISED -
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REVISED -
REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLAN

SCALE: 1"=20' SHEET NO. 28 OF 76 SHEETS STA. 7+00 TO STA. 18+50

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	28
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

EROSION CONTROL INSPECTION

ALL EROSION CONTROL MEASURES MUST BE INSPECTED WEEKLY AND AFTER EACH 1/2" RAIN EVENT.

WINTER SHUT DOWN

A WINTER SHUT DOWN IS NOT ANTICIPATED FOR THIS PROJECT. BUT IN THE EVENT THAT UNAVOIDABLE CIRCUMSTANCE REQUIRE A WINTER SHUT DOWN, THE CONDITION OF THE CONSTRUCTION SITE FOR WINTER SHUTDOWN SHALL BE ADDRESSED EARLY IN THE FALL GROWING SEASON SO THAT SLOPES AND OTHER BARE EARTH AREAS MAY BE STABILIZED WITH TEMPORARY AND/OR PERMANENT VEGETATIVE COVER FOR PROPER EROSION AND SEDIMENT CONTROL. ALL OPEN AREAS THAT ARE TO REMAIN IDLE THROUGHOUT THE WINTER SHALL RECEIVE TEMPORARY EROSION CONTROL MEASURES INCLUDING TEMPORARY SEEDING, MULCHING AND/OR EROSION CONTROL BLANKET PRIOR TO THE END OF THE FALL GROWING SEASON. THE AREAS TO BE WORKED BEYOND THE END OF THE GROWING SEASON MUST INCORPORATE SOIL STABILIZATION MEASURES THAT DO NOT RELY ON VEGETATIVE COVER SUCH AS EROSION CONTROL BLANKET AND HEAVY MULCHING.

TEMPORARY DITCH CHECKS

TEMPORARY DITCH CHECKS WILL BE REQUIRED AT THOSE LOCATIONS WHERE THE CONTRACTORS OPERATIONS REQUIRE TEMPORARY OR PERMENTENT DITCHES. THE LOCATION OF TEMPORARY DITCH CHECKS ARE SHOWN ON THE PLANS. THE EXACT LOCATION MAY REQUIRE FIELD ADJUSTMENT AND WILL BE COORDINATED IN THE FIELD WITH THE ENGINEER. THE QUANTITIES INCLUDE A PLAN ALLOWANCE OF EIGHT (8) ADDITIONAL TEMPORARY DITCH CHECKS FOR MAINTENANCE PURPOSES.

PERIMETER EROSION BARRIER (SILT FENCE)

PERIMETER EROSION CONTROL BARRIER (SILT FENCE) SHALL BE PLACED AT THE LOCATIONS SHOWN ON THE PLANS. THE PERIMETER EROSION CONTROL BARRIER SHALL BE CONSTRUCTED AS DETAIL ON IDOT STANDARD 280001 AND AS SPECIFIED IN SECTION 280 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

STOCK PILE LOCATIONS AND PROTECTING STOCK PILE AREAS

STOCK PILES SHOULD BE PLACED IN OR NEAR CRITICAL AREAS, OR AREAS THAT HAVE HIGH POTENTIAL FOR CONTRIBUTING SEDIMENTS TO STORMWATER FACILITIES.

CONTRACTOR MAY OPT TO STOCK PILES MATERIAL. STAGING OF THE PROJECT IS AT HIS DISCRETION OF THE CONTRACTOR AND COORDINATION OF STOCK PILES WILL BE WITH ST. CHARLES TOWNSHIP AND KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD). STOCKPILES OF SOIL AND OTHER CONSTRUCTION MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (I.E. PERIMETER SILT FENCE). STOCKPILES, NOT BEING ACTIVELY WORKED AND TO REMAIN IN PLACE FOR 14 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.

STABILIZED CONSTRUCTION AREA

STABILIZATION OF THE CONSTRUCTION AREA SHOULD TAKE PLACE AT THE END OF EACH WORK DAY.

WORK IN FLOWING WATER

NO WORK SHALL BE PERFORMED IN FLOWING WATER. WORK IN AND NEAR THE CRITICAL AREAS SHOULD BE ISOLATED FROM CONCENTRATED FLOWS OR STREAM FLOW. ONCE WORK IN THIS AREA BEGINS, PRIORITY SHALL BE GIVEN TO THE COMPLETION OF THE WORK AND FINAL STABILIZATION OF ALL DISTURBED AREAS

DEWATERING

WHEN DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE APPROVED BY THE KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT. ALL FILTER BAGS MUST HAVE SECONDARY CONTAINMENT DEVICES, AND SHOULD BE PLACED ON LEVEL GROUND. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL CREEK. THE DISCHARGE SHALL BE DESIGNED SO THAT RETURNING WATERS DO NOT CAUSE EROSION. THE CONTRACTOR WILL COORDINATE THE METHOD, DESIGN AND LOCATION OF THE DEWATERING PLAN AND FILTER BAG(S) WITH KANE-DUPAGE SOIL & WATER CONSERVATION DISTRICT AT THE PRE-CONSTRUCTION MEETING.

KEEPING PAVEMENTS CLEAN

THE CONTRACTOR WILL KEEP ALL PERMANENT PAVEMENT SURFACES CLEAN OF DIRT OR CONSTRUCTION DEBRIS. THE PAVEMENT SHALL BE CLEANED AT THE END OF EACH DAYS OPERATION OR MORE FREQUENTLY AS REQUIRED BY THE ENGINEER IF THE DEBRIS IS DEEMED TO BE A HAZARD TO THE MOTORING PUBLIC.

GENERAL NOTES

- A) UNLESS OTHERWISE INDICATED, ALL VEGETATIVE AND STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CONSTRUCTED ACCORDING TO MINIMUM STANDARDS AND SPECIFICATIONS IN THE ILLINOIS URBAN MANUAL REVISED FEBRUARY 2002.
- B) THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT (KDSWCD) MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO THE FINAL INSPECTION.
- C) A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES.
- D) PRIOR TO COMMENCING LAND-DISTURBING ACTIVITIES IN AREAS OTHER THAN INDICATED ON THESE PLANS (INCLUDING BUT NOT LIMITED TO, ADDITIONAL PHASES OF DEVELOPMENT AND OFF-SITE BORROW OR WASTE AREAS) A SUPPLEMENTARY EROSION CONTROL PLAN SHALL BE SUBMITTED TO THE OWNER FOR REVIEW BY THE KDSWCD.
- E) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLATION OF ANY ADDITIONAL EROSION CONTROL MEASURES NECESSARY TO PREVENT EROSION AND SEDIMENTATION AS DETERMINED BY THE KDSWCD.
- F) DURING DEWATERING OPERATIONS, WATER WILL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DEWATERING DIRECTLY INTO FIELD TILES, STORMWATER STRUCTURES, OR OTTER CREEK IS PROHIBITED.
- G) IT IS THE RESPONSIBILITY OF THE OWNER AND/OR GENERAL CONTRACTOR TO INFORM ANY SUB-CONTRACTOR(S) WHO MAY PERFORM WORK ON THIS PROJECT, OF THE REQUIREMENTS IN IMPLEMENTING AND MAINTAINING THESE EROSION CONTROL PLANS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT REQUIREMENTS SET FORTH BY THE ILLINOIS EPA.

STABILIZATION TYPE	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
PERMANENT SEEDING						*	*	A				
DORMANT SEEDING	B										B	
TEMPORARY SEEDING			C									
EROSION CONTROL BLANKET								D				

- A. CLASS 1
CLASS 2A
CLASS 4 (MODIFIED)
CLASS 5 (MODIFIED)
- B. INCREASE SEEDING RATES BY 25% WHEN DORANT SEEDING (NOT ANTICIPATED)
- C. TEMPORARY SEEDING (PERENIAL RYE GRASS, SPRING OATS)
- D. EROSION CONTROL BLANKET (EXCELSIOR) AND HEAVY DUTY EROSION CONTROL BLANKET (PERMANENT SEED AREAS ONLY)

* IRRIGATION MAY BE NEEDED DURING JUNE AND JULY
NOTE: SEEDING TO BE COMPLETED PER REQUIREMENTS OF SECTION 250 OF THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGES.

STABILIZED CONSTRUCTION ENTRANCE

A STABILIZED CONSTRUCTION ENTRANCE IS NOT ANTICIPATED FOR THIS PROJECT. HOWEVER, IF IT IS DETERMINED BY THE ENGINEER OR THE KANE-DUPAGE SOIL AND WATER CONSERVATION DISTRICT THAT THE CONTRACTOR OPERATIONS REQUIRE A STABILIZED ENTRANCE, QUANTITY HAS BEN INCLUDED IN THE PROJECT TO COMPLETE THIS WORK. THERE WILL BE NO ADJUSTMENT TO THE CONTRACT IF THE ENTRANCE IS NOT CONSTRUCTED. THE CONTRACTOR WILL SUBMIT THE LOCATION AND DETAILS TO KDSWCD FOR APPROVAL.

CONSTRUCTION SEQUENCE NOTES

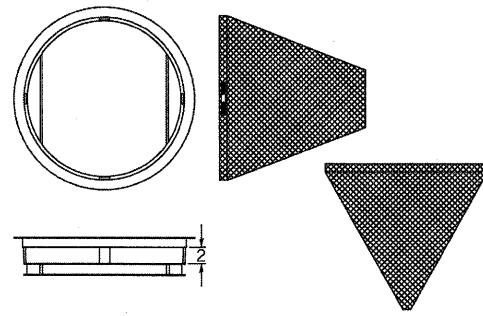
- A) TURBIDITY CURTAINS SHOULD BE PLACED IN THE CREEK PRIOR TO ANY DEMOLITION TO THE BRIDGE DECK AND/OR PIERS.
- B) CONSTRUCTION OF PIERS, EMBANKMENT AND RIP RAP ARE ANTICIPATED TO REQUIRE WORK WITHIN THE CREEK, WORK MUST BE TIMED TO TAKE PLACE DURING LOW FLOW CONDITIONS.
- C) BYPASS IS NOT ANTICIPATED FOR THIS PROJECT. HOWEVER, IF BYPASS IS NECESSARY, THE INLET OF THE HOSE SHALL BE PLACED IN A SUMP PIT AND THE OUTLET PLACED ON A NON-ERODIBLE, ENERGY DISSIPATING SURFACE PRIOR TO REJOINING THE CREEK FLOW.
- D) IF DEWATERING THE CONSTRUCTION AREA IS NECESSARY, ALL WATERS SHALL BE FILTERED BY USING FILTER BAGS OR AN ALTERNATIVE MEASURE. WATER MUST HAVE SEDIMENT REMOVED BEFORE BEING ALLOWED TO RETURN TO THE ORIGINAL CREEK.
- E) THE SIDE SLOPES MUST BE RESEEDED AND STABILIZED WITH AN APPROPRIATE EROSION CONTROL BLANKET PRIOR TO ACCEPTING FLOWS. THE BOTTOM OF THE SWALE MUST BE BROUGHT BACK TO ITS ORIGINAL GRADE AND STABLE ENOUGH TO ACCEPT FLOWS.

DEWATERING - BASIS OF PAYMENT

DEWATERING FOR ALL CONSTRUCTION OPERATIONS WILL NOT BE MEASURED SEPERATELY FOR PAYMENT BUT SHALL BE INCLUDED IN THE COST OF CONCRETE STRCUTURES. DEWATERING WILL INCLUDE MEANS, METHODS AND ALL MATERIALS TO DEWATER AND TO PROVIDE FILTRATION OF WATERS BEFORE RE-ENTERING THE CREEK.

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 WILLS BURKE KELSEY ASSOCIATES LTD. 116 West Main Street, Suite 201 St. Charles, Illinois 60174 (630) 443-7755	USER NAME = #USER#	DESIGNED - KMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL NOTES		TOWNSHIP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - NDP	REVISED -		194	08-14117-00-BR	KANE	76	29		
	PLOT DATE = 10/19/2011	CHECKED - SBP	REVISED -		CONTRACT NO. 63645						
	DATE - 10/24/11	REVISED -		SCALE:	SHEET NO. 29 OF 76 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



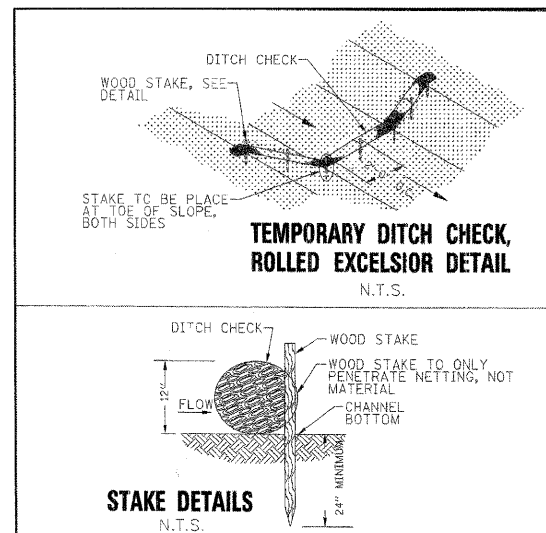
ROUND CATCH ALL

NOTES:

FRAME: TOP FLANGE FABRICATED FROM 1/4"x1/4"x1/8" ANGLE. BASE RIM FABRICATED FROM 1/2"x1/2"x1/8" CHANNEL. HANDLES AND SUSPENSION BRACKETS FABRICATED FROM 1/4"x1/4" FLAT STOCK. ALL STEEL CONFORMING TO ASTM-A36.

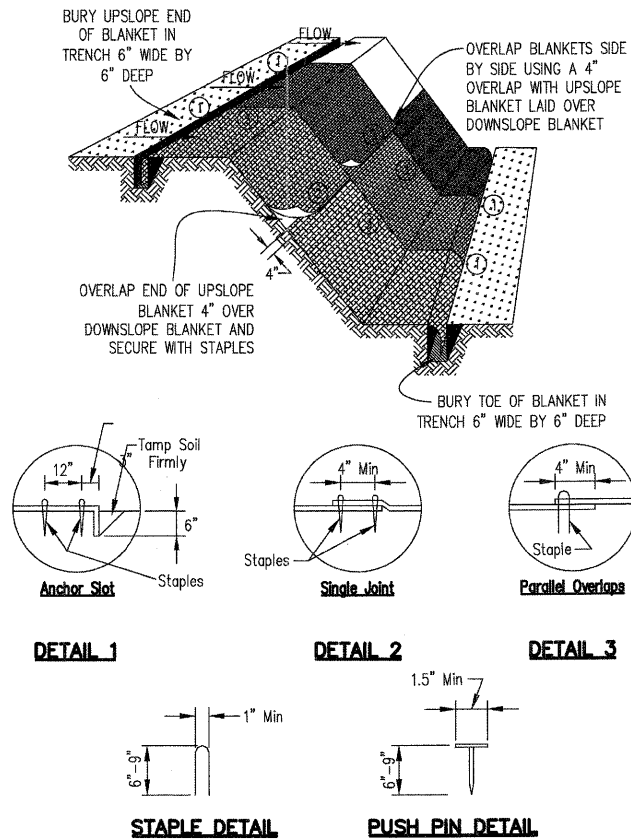
SEDIMENT BAG: BAG FABRICATED FROM 4 OZ./SQ.YD. NON-WOVEN POLYPROPYLENE GEOTEXTILE REINFORCED WITH POLYESTER MESH. BAG SECURED TO BASE RIM WITH A STAINLESS STEEL BAND AND LOCK.

INLET FILTER DETAIL



TEMPORARY DITCH CHECK, ROLLED EXCELSIOR DETAIL

STAKE DETAILS



DETAIL 1

DETAIL 2

DETAIL 3

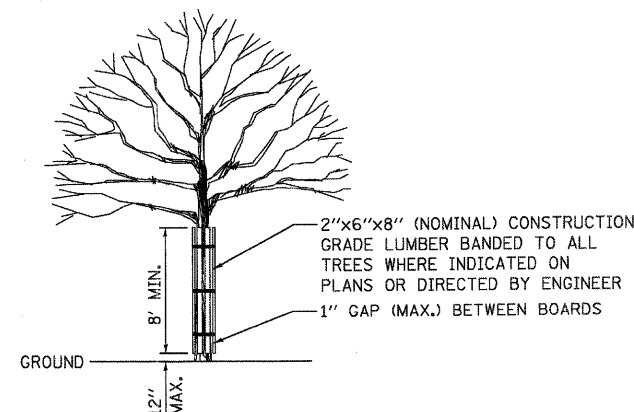
STAPLE DETAIL

PUSH PIN DETAIL

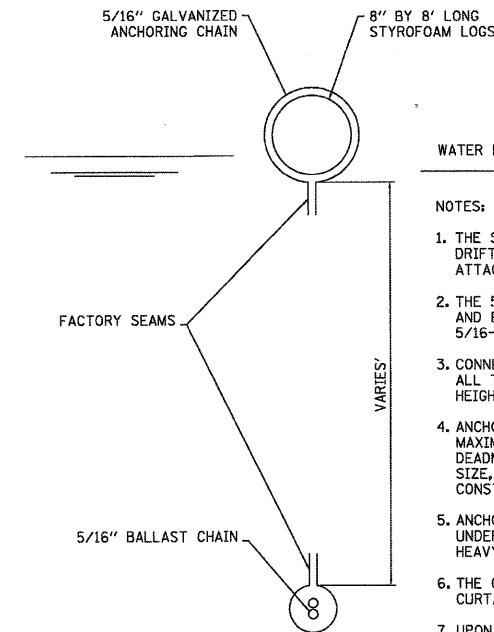
NOTES:

1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STICHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STICHED BLANKET PER 100 S.Y. OF MATERIAL
2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6')
3. EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
4. ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

EROSION CONTROL BLANKET INSTALLATION DETAILS



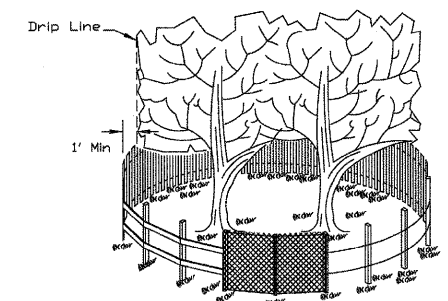
TREE TRUNK PROTECTION



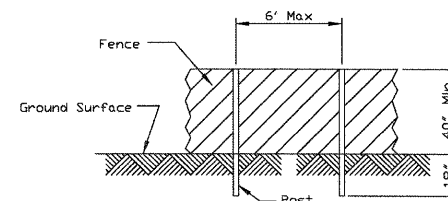
SECTION TURBIDITY BARRIER (FLOATING SILT CURTAIN) N.T.S

NOTES:

1. THE SILT CURTAIN SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. THE FLOATATION LOG SHALL BE SECURELY ATTACHED TO THE FABRIC IN BOTH THE HORIZONTAL AND VERTICAL DIRECTION.
2. THE 5/16-INCH CABLE SHALL BE ATTACHED ABOVE THE FLOATATION MEMBERS AND EXTEND THE ENTIRE LENGTH OF EACH SECTION OF SILT CURTAIN. A 5/16-INCH CHAIN SHALL BE SEALED ON THE LOWER HEM FOR BALLAST.
3. CONNECTORS SHALL JOIN THE MAIN LOAD LINE AND BALLAST CHAIN TO CARRY ALL TENSILE PRESSURE. THE FABRIC SHALL BE JOINTED FOR ITS ENTIRE HEIGHT.
4. ANCHORAGE'S SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE TO MAXIMUM STABILITY. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE OF SUFFICIENT SIZE, TYPE AND STRENGTH TO STABILIZE THE BARRIER BEYOND THE CONSTRUCTION AREA.
5. ANCHORS SHALL BE BUOYED TO PREVENT THE SILT CURTAIN FROM BEING PULLED UNDER WATER. DANFORTH-TYPE ANCHORS SHALL BE USED IN SANDY BOTTOM AND HEAVY KEDGE TYPE OR MUSHROOM ANCHORS ON MUD BOTTOMS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE SILT CURTAIN THROUGHOUT CONSTRUCTION OPERATIONS.
7. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE THE SILT CURTAIN IN A MANNER THAT WILL PREVENT SILTATION OF THE RIVER/CREEK.
8. THE TURBIDITY CURTAIN/SILT CURTAIN SHOULD BE PLACED IN THE CREEK PRIOR TO ANY DEMOLITION TO THE BRIDGE DECK AND/OR PIERS.



SIDE VIEW



POST AND FENCE DETAIL

NOTES:

1. THE FENCE SHALL BE LOCATED A MINIMUM OF 1 FOOT OUTSIDE THE DRIP LINE OF THE TREE TO BE SAVED AND IN NO CASE CLOSER THAN 5 FEET TO THE TRUNK OF ANY TREE.
2. FENCE POSTS SHALL BE EITHER STANDARD STEEL POSTS OR WOOD POSTS WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQ. IN.
3. THE FENCE MAY BE EITHER 40" HIGH SNOW FENCE, 40" PLASTIC WEB FENCING OR ANY OTHER MATERIAL AS APPROVED BY THE ENGINEER/INSPECTOR.
4. TO BE PAID FOR AS "TEMPORARY FENCE."

TREE PROTECTION FENCING

FILE NAME = W:\Projects\2010\100025 BurrFerson\100025 BurrFerson\100025 BurrFerson\100025 BurrFerson.dgn

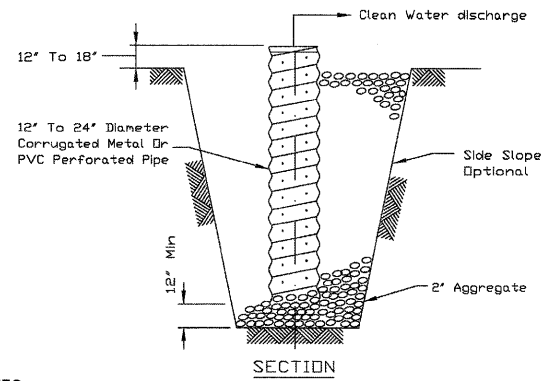
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116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

USER NAME = #USER#	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 10/19/2011	CHECKED - SBP	REVISED -
	DATE - 10/24/11	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS	
SCALE:	SHEET NO. 30 OF 76 SHEETS STA. TO STA.

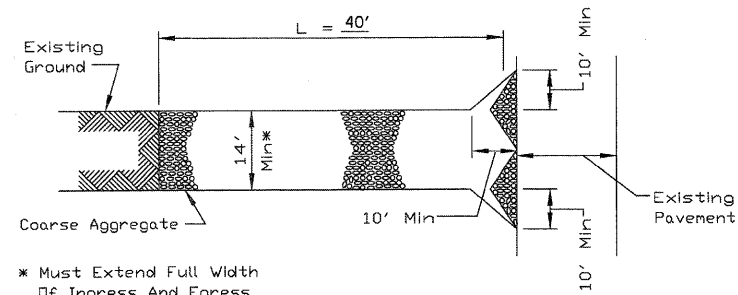
WNSHP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	30
CONTRACT NO. 63645				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



NOTES:

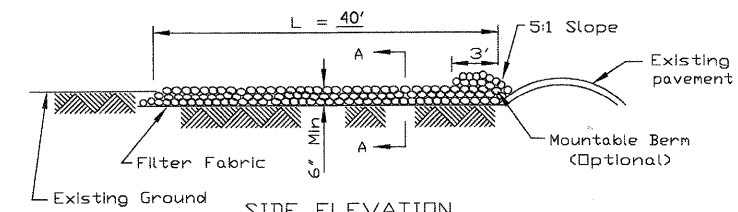
1. PIT DIMENSIONS ARE OPTIONAL.
2. THE STANDPIPE WILL BE CONSTRUCTED BY PERFORATING A 12"-24" DIAMETER CORRUGATED METAL OR PVC PIPE.
3. A BASE OF 2" AGGREGATE WILL BE PLACED IN THE PIT TO A MINIMUM DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE WILL THEN BE BACKFILLED WITH 2" AGGREGATE.
4. THE STANDPIPE WILL EXTEND 12" TO 18" ABOVE THE LIP OF THE PIT.
5. IF DISCHARGE WILL BE PUMPED DIRECTLY TO A STORM DRAINAGE SYSTEM, THE STANDPIPE WILL BE WRAPPED WITH FILTER FABRIC BEFORE INSTALLATION.
6. IF DESIRED, 1/4"-1/2" HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE PRIOR TO ATTACHING THE FILTER FABRIC. THIS WILL INCREASE THE RATE OF WATER SEEPAGE INTO THE PIPE.

SUMP PIT PLAN

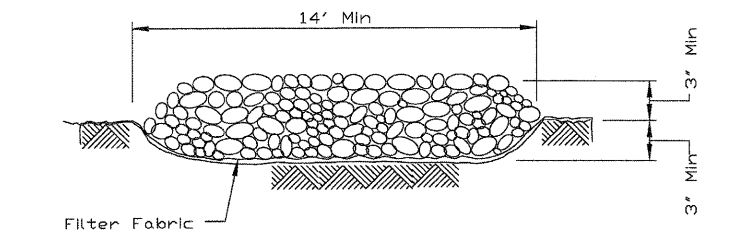


PLAN VIEW

* Must Extend Full Width of Ingress And Egress Operation.



SIDE ELEVATION

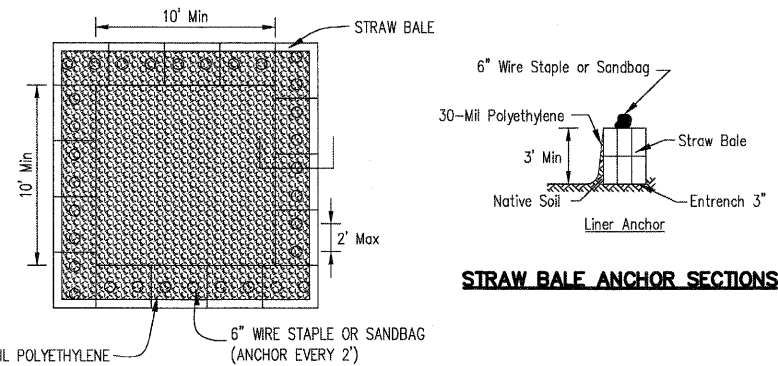


SECTION A-A

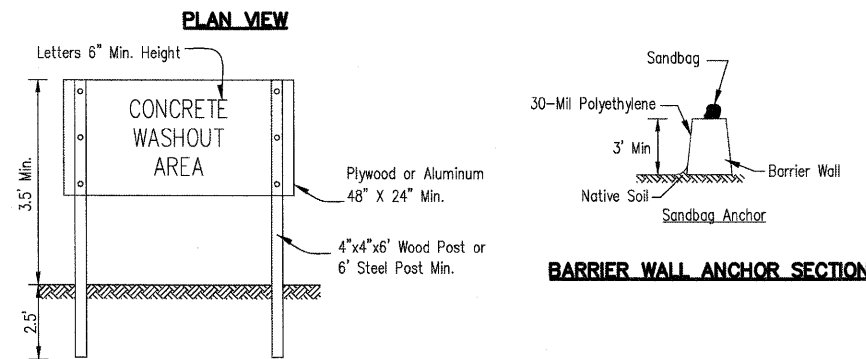
NOTES:

1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ARTICLE 1080.03 OF THE STANDARD SPECIFICATIONS AND SHALL BE PLACED OVER THE CLEARED SUBGRADE AREA PRIOR TO PLACING THE ROCK.
2. AGGREGATE FILL SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATIONS, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO SPECIAL PROVISION " STABILIZED CONSTRUCTION ENTRANCE.
3. ANY DRAINAGE FACILITIES REQUIRED BECAUSE OF WASHING SHALL BE CONSTRUCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
4. IF WASH RACKS ARE USED THEY SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS.

STABILIZED CONSTRUCTION ENTRANCE PLAN



STRAW BALE ANCHOR SECTIONS



BARRIER WALL ANCHOR SECTION

SIGN DETAIL

NOTES:

1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"x2"x4' WOODEN STAKES.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE

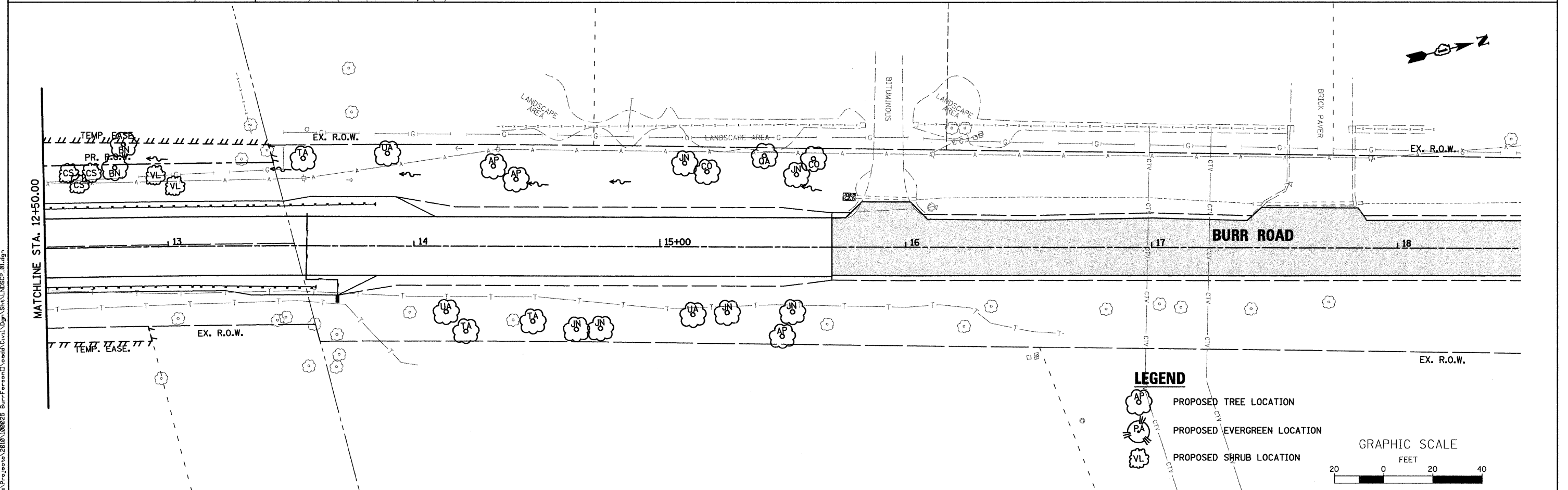
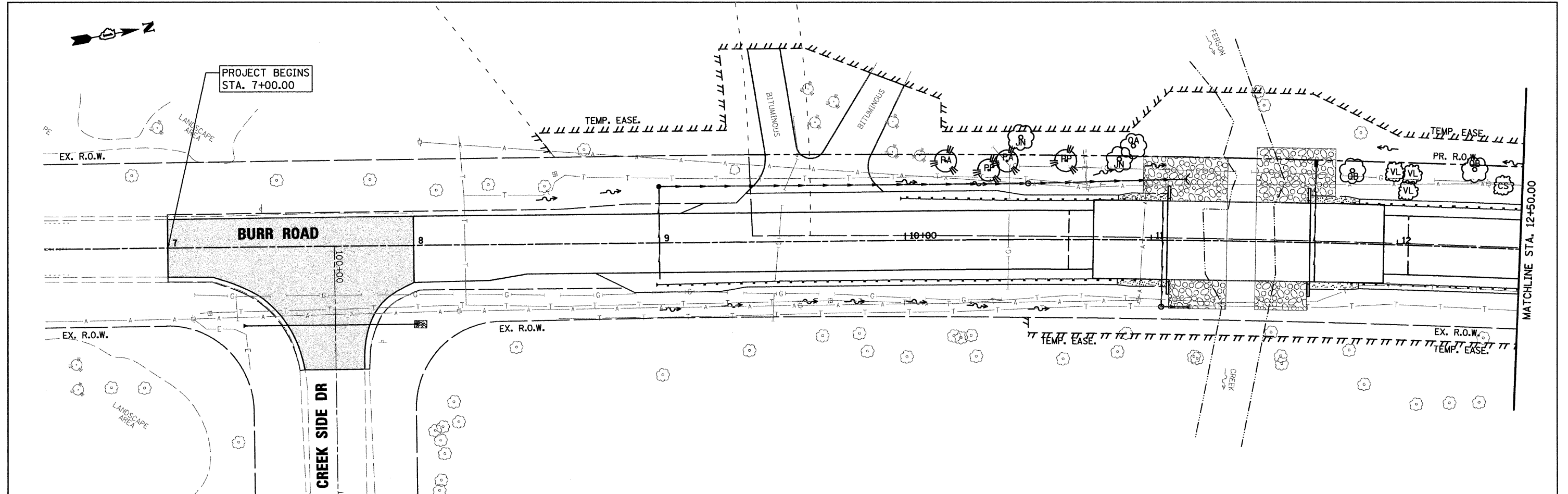
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	DATE - 10/24/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL DETAILS		TOWNSHIP RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE:		194	08-14117-00-BR	KANE	76	31
SHEET NO. 31 OF 76 SHEETS		STA. TO STA.		CONTRACT NO. 63645		
		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



LEGEND

- PROPOSED TREE LOCATION
- PROPOSED EVERGREEN LOCATION
- PROPOSED SHRUB LOCATION



WILLS BURKE KELSEY ASSOCIATES LTD. 110 West Main Street, Suite 201 St. Charles, Illinois 60114	USER NAME = nparr15	DESIGNED - KMA	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LANDSCAPE PLAN		T.R. RTE. 194	SECTION 08-14117-00-BR	COUNTY KANE	TOTAL SHEETS 76	SHEET NO. 32
	PLOT SCALE = 1"=20'	CHECKED - SBP	REVISED -		SCALE: 1"=20'	SHEET NO. 32 OF 76 SHEETS	STA. 7+00 TO STA. 18+50	CONTRACT NO. 63645		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
	PLOT DATE = 11/17/2011	DATE - 10/24/11	REVISED -								

FILE NAME = \\NA\Projects\2010\190025 BurrFerguson\Drawings\BurrRoad\NDSCP_01.dwg

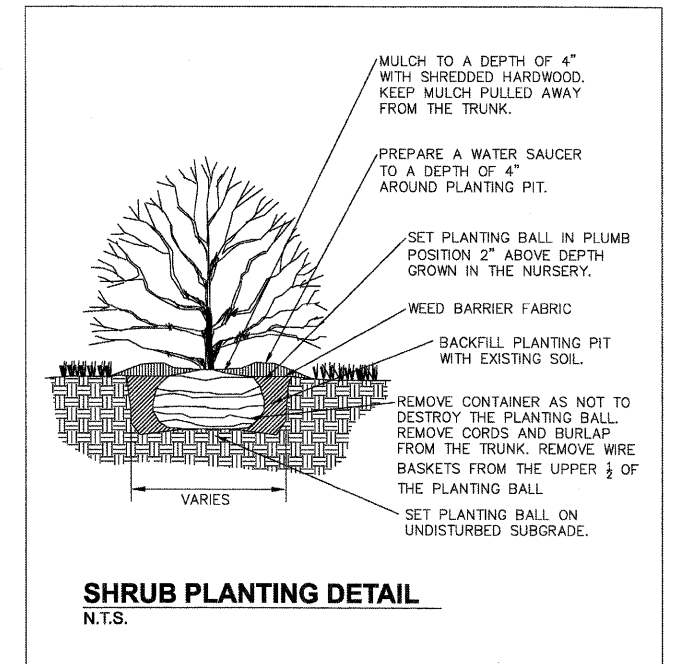
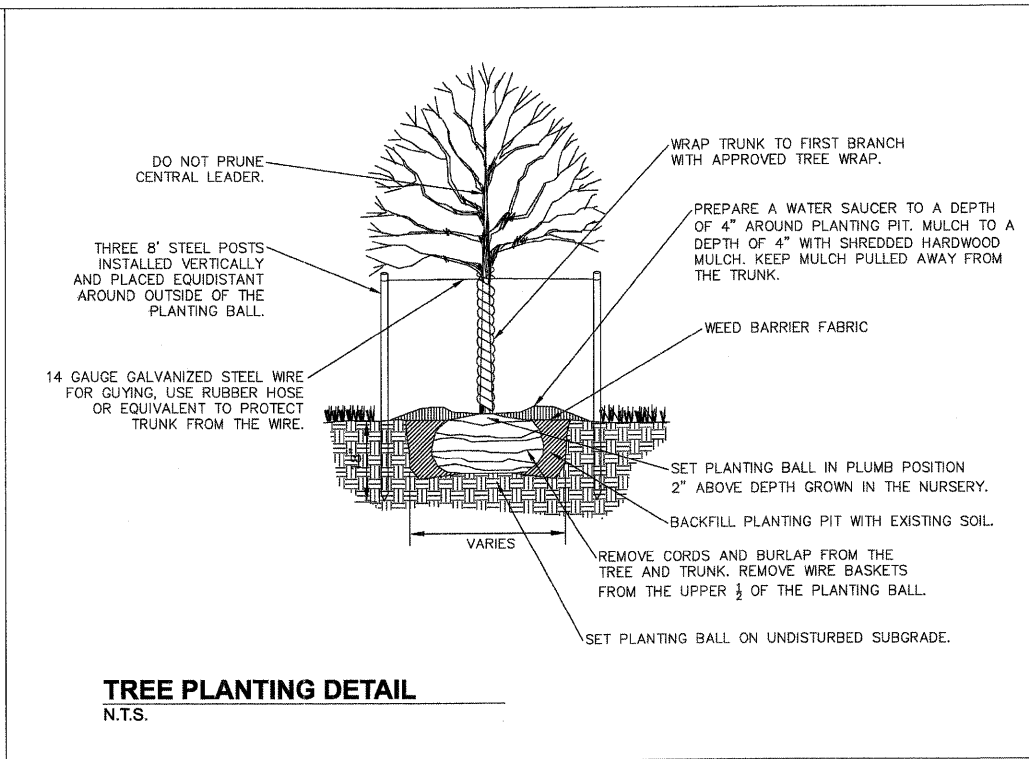
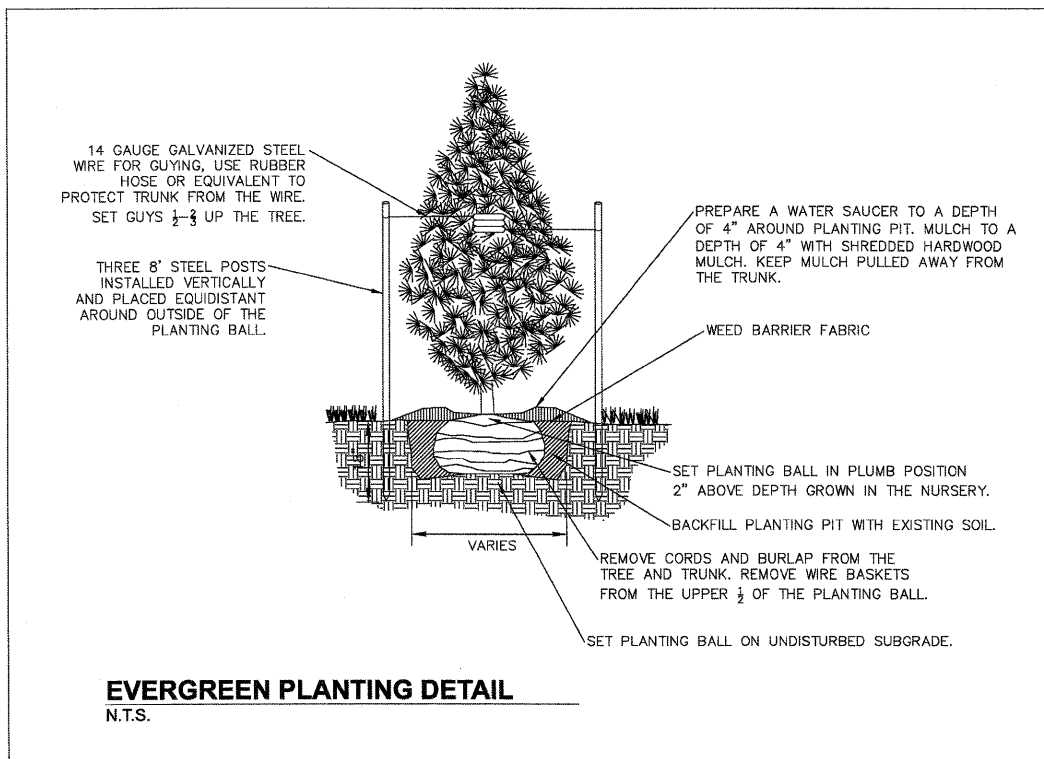
PLANT LIST

PAY ITEM #	DESCRIPTION	UNIT	ABBREVIATION	PLAN ABBREVIATION	QUANTITY
A2000616	TREE, ACER PLATANOIDES (NORWAY MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	T-ACER PLAT 2	AP	3
A2002316	TREE, BETULA NIGRA (RIVER BIRCH), 2" CALIPER, BALLED AND BURLAPPED	EACH	T-BETULA NIGRA 2	BN	2
A2002716	TREE, CARYA OVATA (SHAGBARK HICKORY), 2" CALIPER, BALLED AND BURLAPPED	EACH	T-CARYA OVATA 2	CO	2
A2005116	TREE, JUGLANS NIGRA (BLACK WALNUT), 2" CALIPER, BALLED AND BURLAPPED	EACH	T-JUGLANS NIGRA 2	JN	8
A2006416	TREE, QUERCUS ALBA (WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	T-QUERCUS ALBA 2	QA	2
A2006516	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 2" CALIPER, BALLED AND BURLAPPED	EACH	T-QUERCUS BICOL 2	QB	2
A2007816	TREE, TILIA AMERICANA (AMERICAN LINDEN/ BASSWOOD), 2" CALIPER, BALLED AND BURLAPPED	EACH	T-TILIA AMER 2	TA	3
A2008466	TREE, ULMUS AMERICANA (AMERICAN ELM), 2" CALIPER, BALLED AND BURLAPPED	EACH	T-ULMUS AMER 2	UA	3
C2001636	SHRUB, CORNUS SERICEA (REDOsier DOGWOOD), 3' HEIGHT, BALLED AND BURLAPPED	EACH	S-CORNUS SERICEA 3'	CS	4
C2012436	SHRUB, VIBURNUM LENTAGO (NANNYBERRY VIBURNUM), 3' HEIGHT, BALLED AND BURLAPPED	EACH	S-VIBURN LENT 3'	VL	5
D2001788	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	E-PICEA ABIES 8'	PA	2
D2002288	EVERGREEN, PICEA PUNGENS GLAUCA (COLORADO BLUE SPRUCE), 8' HEIGHT, BALLED AND BURLAPPED	EACH	E-PICEA PUNG GLAU 8'	PP	2

PLANTING NOTES:

PLANT MATERIAL SIZE AND QUALITY SHALL MEET OR EXCEED REQUIREMENTS IN ACCORDANCE WITH THE AMERICAN STANDARD FOR NURSERY STOCK, A.N.S.I. Z60.1- CURRENT ADDITION, SPONSORED BY THE AMERICAN ASSOCIATION OF NURSEYMEN (AAN).

ALL PLANT MATERIAL SHALL BE NURSERY GROWN FROM SOURCES WITHIN THE SAME HARDINESS ZONE AS THE PROJECT LOCATION.



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PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 10/19/2011	CHECKED - SBP	REVISED -
	DATE - 10/24/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPE PLAN
DETAILS**

SCALE: SHEET NO. 33 OF 76 SHEETS STA. TO STA.

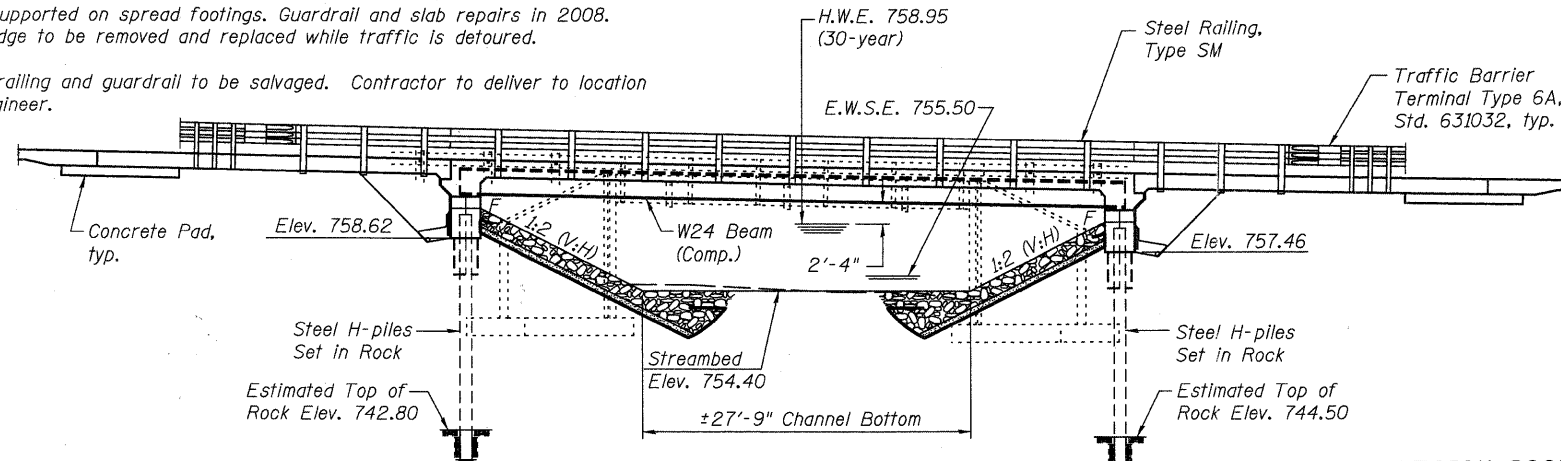
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63645

Bench Mark: C.P. #52, I.P. located 123 feet N. of bridge and 16 feet W. of centerline. Elev. 761.45

Existing Structure: S.N. 045-3079, built 1959 by St. Charles Township at Station 11+35.50 as a single span reinforced concrete slab bridge measuring 32'-0" bk.-to-bk abutments and 26'-0" out-to-out. Reinforced concrete closed abutments supported on spread footings. Guardrail and slab repairs in 2008. Existing bridge to be removed and replaced while traffic is detoured.

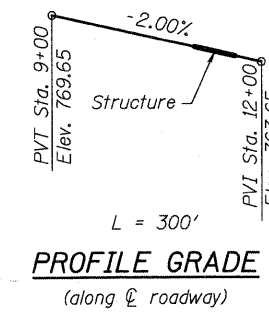
Existing bridge railing and guardrail to be salvaged. Contractor to deliver to location specified by Engineer.



ELEVATION

CURVE DATA (Burr-1)

$\Delta = 4^\circ 08' 44"$ (RT)
 $D = 1^\circ 08' 45"$
 $T = 180.96'$
 $L = 361.76'$
 $E = 3.27'$
 $R = 5,000.00$
 $S.E. = 0.02 \text{ \%/}$
 $P.C. = \text{Sta. } 9+98.66$
 $P.T. = \text{Sta. } 13+60.41$
 $P.I. = \text{Sta. } 11+79.62$



DESIGN SPECIFICATIONS
2007 AASHTO LRFD Bridge Design Specifications with 2008 & 2009 Interims

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500 \text{ psi}$
 $f_y = 60,000 \text{ psi}$ (Reinforcement)
 $f_y = 50,000 \text{ psi}$ (M270 Grade 50W)

LOADING HL-93

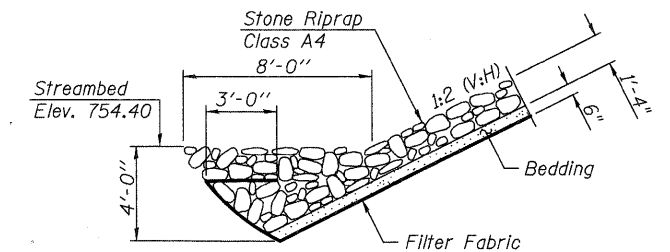
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA

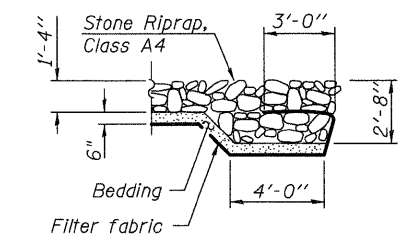
Seismic Performance Zone (SPZ) = 1
Design Spectral Acceleration at 1.0 sec. (S_{D1}) = 0.086g
Design Spectral Acceleration at 0.2 sec. (S_{D5}) = 0.155g
Soil Site Class = D

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	North Abut. 757.46	South Abut. 758.62
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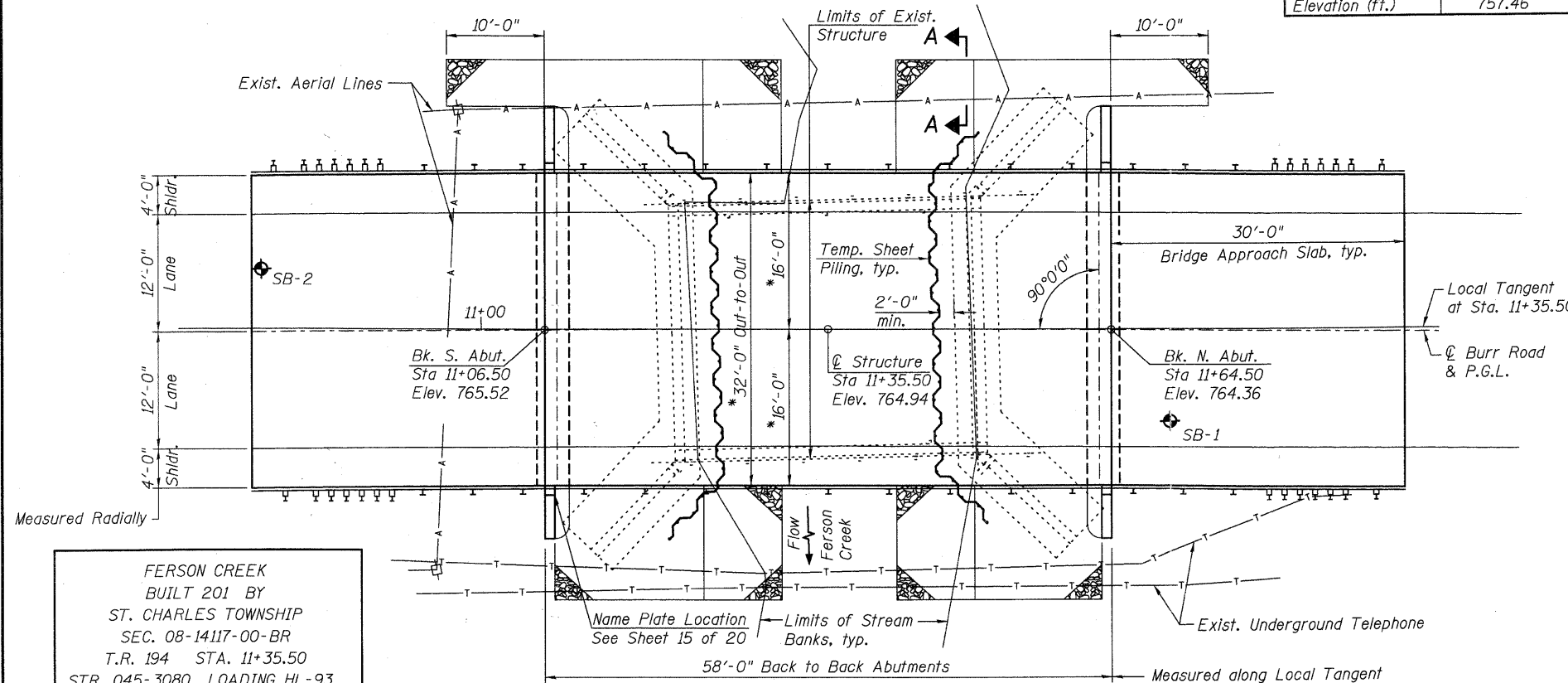
RIPRAP ANCHOR DETAIL



SECTION A-A

INDEX OF SHEETS

1. General Plan and Elevation
2. General Data
3. Temporary Sheet Piling Details
4. Top of Slab Elevations
5. Top of Slab Elevations
6. Top of South Approach Slab Elevations
7. Top of North Approach Slab Elevations
8. Superstructure
9. Superstructure Details
10. Bridge Approach Slab Details (1 of 2)
11. Bridge Approach Slab Details (2 of 2)
12. Steel Railing, Type SM
13. Structural Steel
14. Structural Steel Details
15. South Abutment
16. North Abutment
17. HP Pile Details
18. Bar Splicer Assembly and Mechanical Splicer Details
19. Cantilever Forming Brackets for Beams W27 and Smaller
20. Soil Boring Logs



PLAN

* Measured Perpendicular to Local Tangent

FERSON CREEK
BUILT 201 BY
ST. CHARLES TOWNSHIP
SEC. 08-14117-00-BR
T.R. 194 STA. 11+35.50
STR. 045-3080 LOADING HL-93

NAME PLATE
See Std. 515001

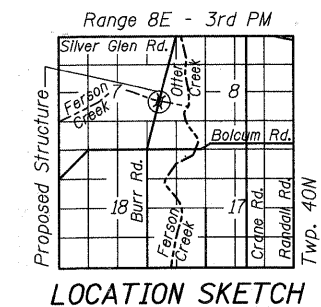
WATERWAY INFORMATION

Drainage Area = 11.4 sq. mi.		Exist. Low Grade Elev. 761.80 at Sta. 13+50		Prop. Low Grade Elev. 762.10 at Sta. 13+60			
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist. Prop.	Nat. H.W.E. Exist. Prop.	Head - Ft. Exist. Prop.	Headwater El. Exist. Prop.	
Design	10	342	131 137	758.15 758.95	0.06 0.19	0.00 0.12	758.21 758.89
Base	30	611	158 178	758.95 759.14	0.19 0.00	0.12 0.00	758.89 758.89
Max. Calc.	100	843	177 207	759.34 760.18	0.46 2.01	0.12 0.79	759.80 760.97

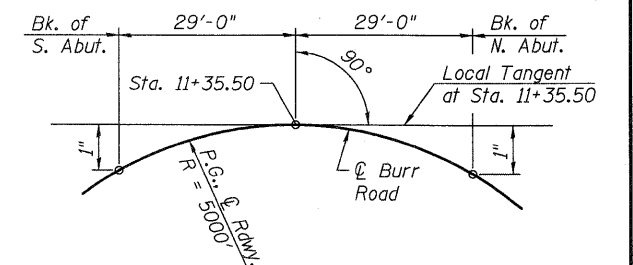
I certify that to the best of knowledge information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO LRFD Bridge Design Specifications".



Signature: Andrew E. Underwager
Date: 10-21-2011
License Expires: 11-30-2012



LOCATION SKETCH



OFFSET SKETCH

GENERAL PLAN & ELEVATION
BURR ROAD OVER FERSON CREEK
SEC. 08-14117-00-BR
KANE COUNTY
STATION 11+35.50
STRUCTURE NO. 045-3080



USER NAME = npar13
DESIGNED - HLF
CHECKED - AEU
DRAWN - HLF
CHECKED - AEU
PLOT SCALE =
PLOT DATE = 11/17/2011

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CHECKED - AEU
DRAWN - HLF
CHECKED - AEU
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REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION
STRUCTURE NO. 045-3080
SHEET NO. 1 OF 20 SHEETS

T.R. RTE. 0194	SECTION 08-14117-00-BR	COUNTY KANE	TOTAL SHEETS 76	SHEET NO. 34
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63645	

GENERAL NOTES

Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts in painted areas and M164 Type 3 in unpainted areas. Bolts 7/8 in. φ, holes 15/16 in. φ, unless otherwise noted.

Calculated weight of Structural Steel = 45,380 lbs. (Grade 50W)

All structural steel shall be AASHTO M 270 Grade 50W. All structural steel shall be cleaned as specified in the Special Provision for "Surface Preparation and Painting Requirements for Weathering Steel".

No field welding is permitted except as specified in the contract documents.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

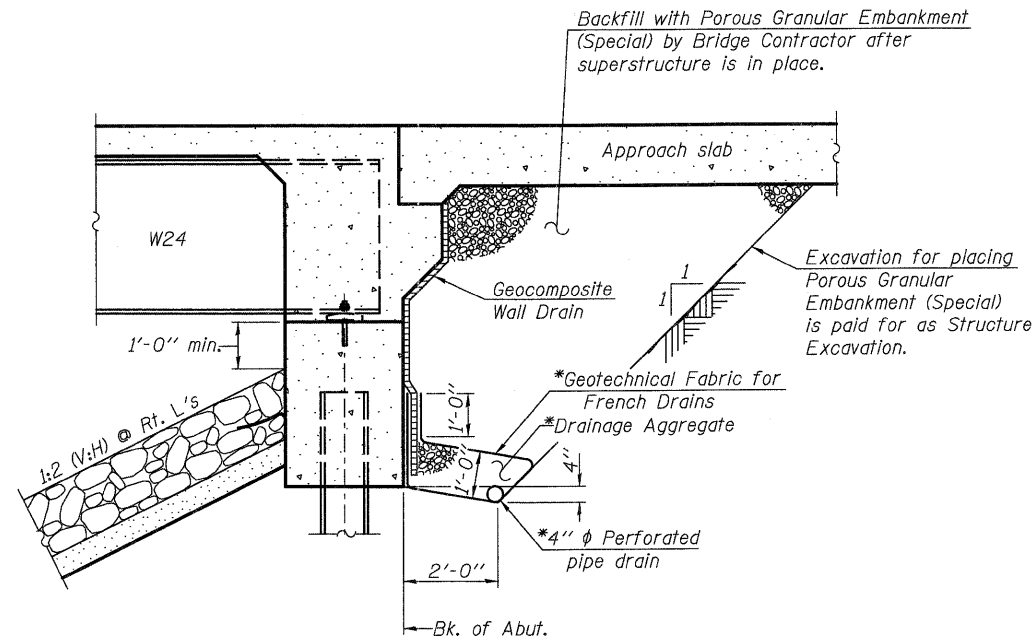
Structural steel shall only be painted for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Painted areas shall be primed in the shop with a Department approved zinc rich primer. Field painting will not be required.

Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

Existing bridge railing to be removed and salvaged. Contractor to deliver to location specified by the Engineer. Cost included in the pay item "Removal of Existing Structures".

Existing bituminous wearing surface to be removed. Cost included in the pay item "Removal of Existing Structures".



SECTION THRU INTEGRAL ABUTMENT

(Horiz. dim. @ Rt. L's)

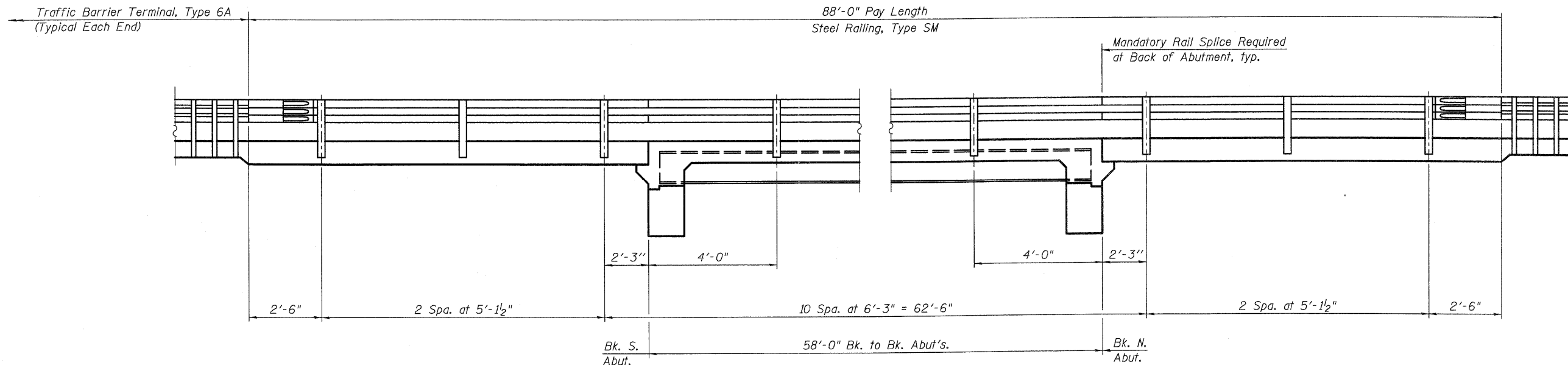
*Included in the cost of Pipe Underdrains for Structures.

Note:

All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Sq. Yd.		330	330
Filter Fabric	Sq. Yd.		330	330
Removal of Existing Structures	Each		1	1
Structure Excavation	Cu. Yd.		196	196
Concrete Structures	Cu. Yd.		47.7	47.7
Concrete Superstructure	Cu. Yd.	164.8		164.8
Bridge Deck Grooving	Sq. Yd.	419		419
Concrete Encasement	Cu. Yd.		3.6	3.6
Protective Coat	Sq. Yd.	439		439
Furnishing and Erecting Structural Steel	L. Sum	1		1
Stud Shear Connectors	Each	1,020		1,020
Reinforcement Bars, Epoxy Coated	Pound	41,010	4,140	45,150
Bar Splicers	Each	66		66
Steel Railing, Type SM	Foot	176		176
Furnishing Steel Piles HP12x53	Foot		190	190
Name Plates	Each		1	1
Anchor Bolt 1"	Each		20	20
Geocomposite Wall Drain	Sq. Yd.		45	45
Porous Granular Embankment (Special)	Cu. Yd.		89	89
Temporary Sheet Piling	Sq. Ft.		1,474	1,474
Pipe Underdrains for Structures, 4"	Foot		124	124
Setting Piles in Rock	Each		10	10



RAIL POST SPACING

FILE NAME = W:\Projects\2018\120825 Burr-Ferguson\Road\Structural\Ugn\465986-02-GenInfo.dgn

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PLOT SCALE =
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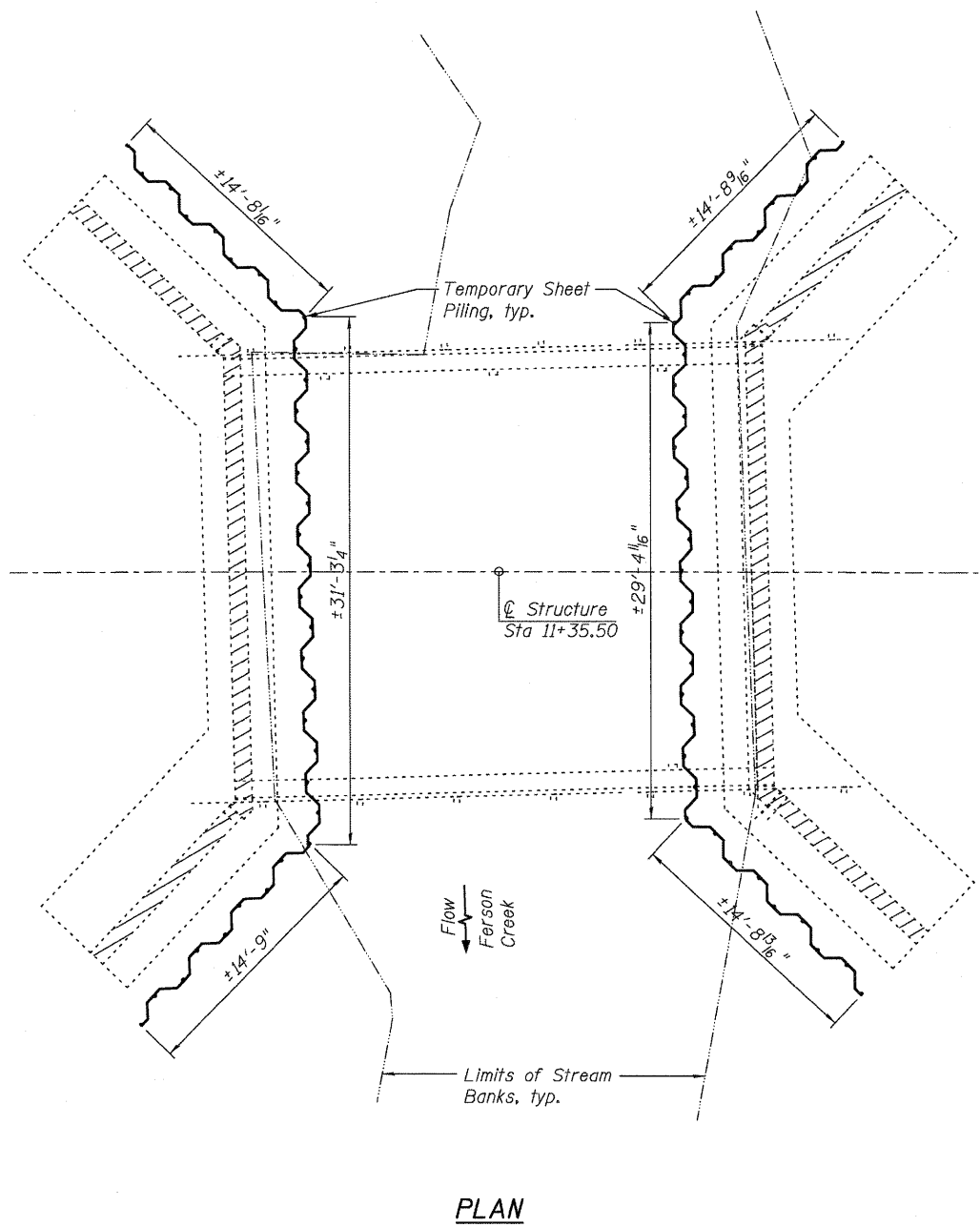
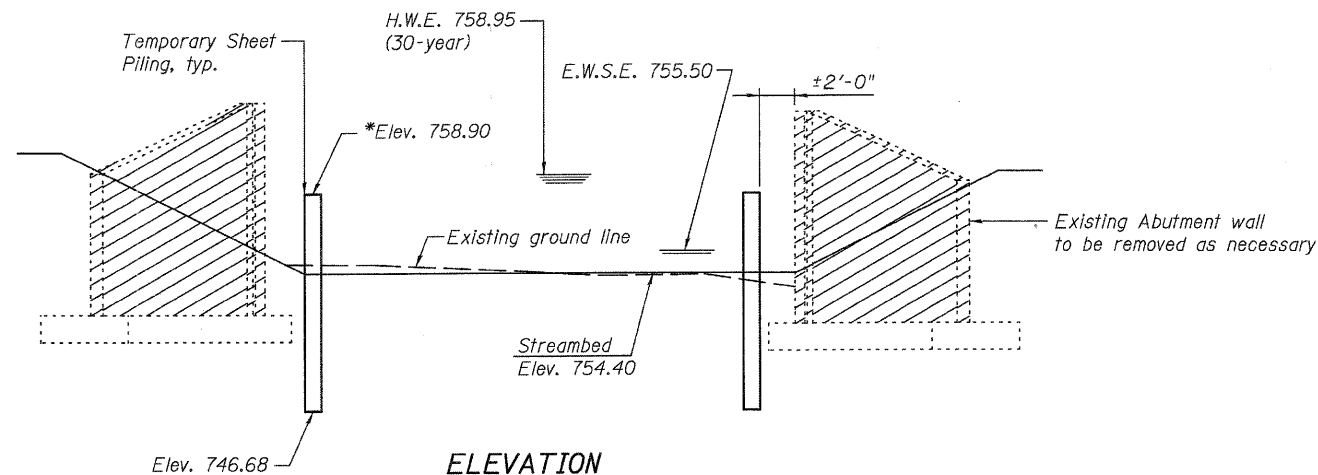
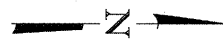
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**GENERAL DATA
STRUCTURE NO. 045-3080**

SHEET NO. 2 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	35
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63645	



LEGEND
 Concrete Removal

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Sheet Piling	Sq. Ft.	1,474

Notes:

1. The stream work is expected in the low water level. The cost of dewatering the area behind the temporary sheet piling for existing structure removal is included in the pay item Temporary Sheet Piling.
2. Adjust elevation based on water level in construction.
3. If the bottom of Concrete removal is below the top of the existing footing, remove the entire existing footing.
4. If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown the plans, a design submittal including plan details and calculations will be required for review and acceptance by the Engineer.

FILE NAME = W:\Projects\2010\100025 BurrFerson\I\Need\Structural\Draw\0453080-003-SheetP_Ling.dgn

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 St. Charles, Illinois 60174

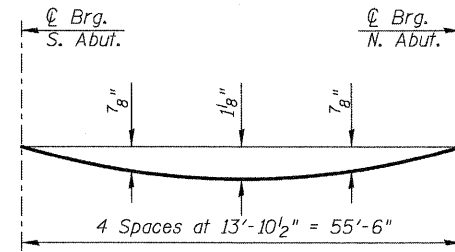
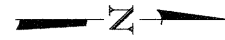
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SHEET PILING DETAILS
 STRUCTURE NO. 045-3080**

SHEET NO. 3 OF 20 SHEETS

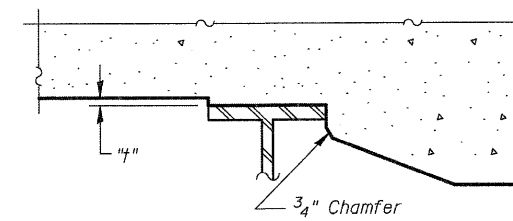
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	36
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63645	



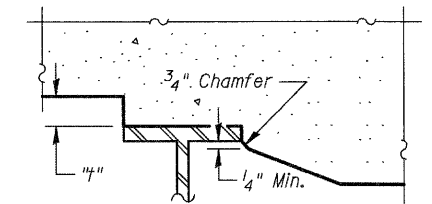
DEAD LOAD DEFLECTION DIAGRAM

(Includes weight of concrete, excluding beams).

Note:
The above deflections are not to be used in the field if the engineer is working from the grade elevations adjusted for dead load deflections as shown on Sheet 5 of 20.



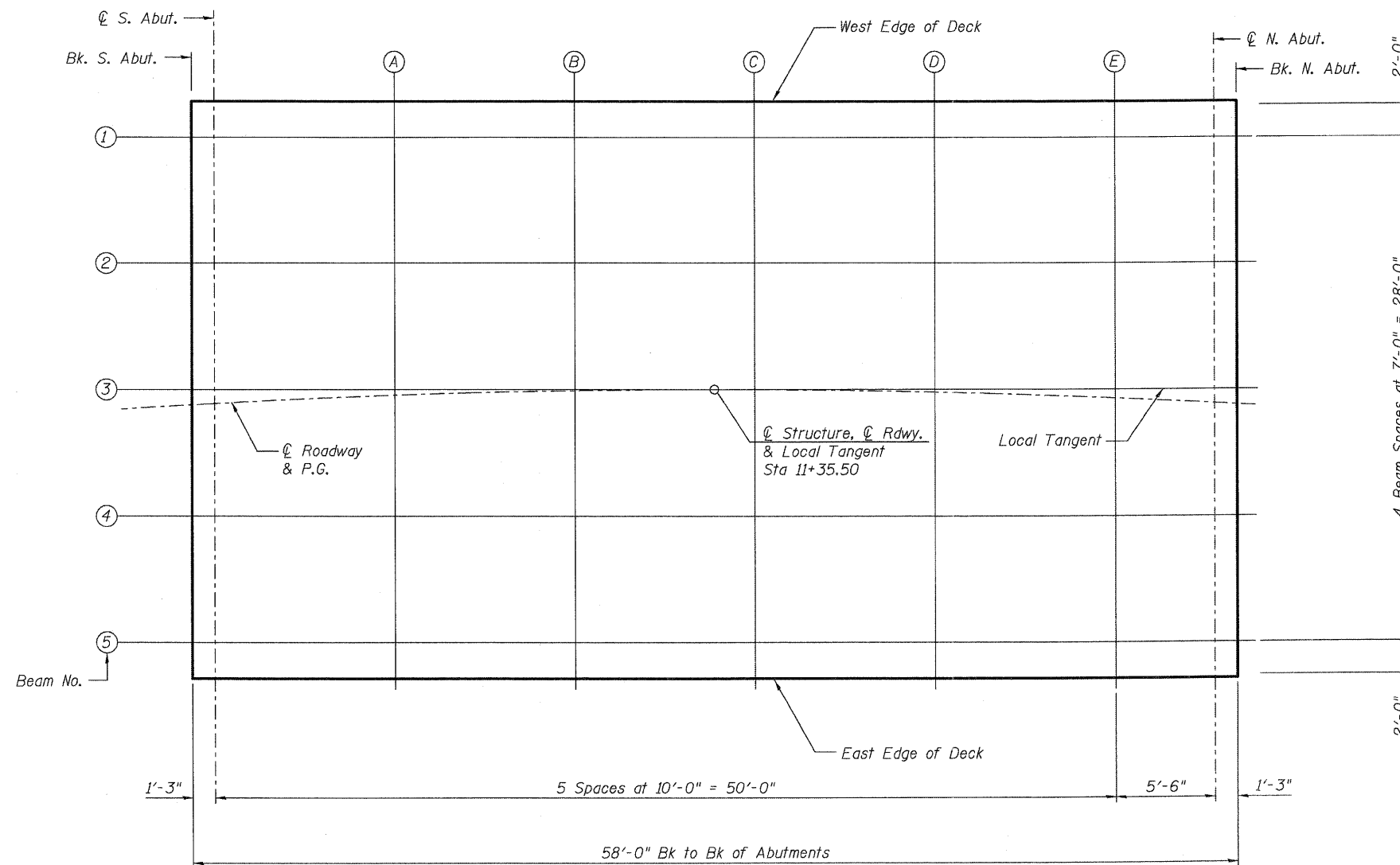
At Minimum Fillet



At Maximum Fillet

To determine "t": After all structural steel has been erected, elevations of the top flanges of the beams shall be taken at intervals shown on Sheet 5 of 20. These elevations subtracted from the "Theoretical Grade Elevations Adjusted for Dead Load Deflection" shown below, minus slab thickness, equals the fillet heights "t" above top flange of beams.

FILLET HEIGHTS



PLAN

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PLOT DATE = 10/18/2011	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SLAB ELEVATIONS
STRUCTURE NO. 045-3080**

SHEET NO. 4 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	37
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63645	

BEAM 1

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+06.58	-14.08	765.80	765.80
CL Brg. S. Abut.	11+07.83	-14.08	765.77	765.77
A	11+17.80	-14.03	765.57	765.63
B	11+27.77	-14.01	765.37	765.46
C	11+37.73	-14.00	765.18	765.27
D	11+47.70	-14.01	764.98	765.05
E	11+57.67	-14.05	764.78	764.81
CL Brg. N. Abut.	11+63.16	-14.08	764.67	764.67
Bk. N. Abut.	11+64.41	-14.08	764.64	764.64

BEAM 2

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+06.54	-7.08	765.66	765.66
CL Brg. S. Abut.	11+07.79	-7.08	765.64	765.64
A	11+17.78	-7.03	765.44	765.49
B	11+27.76	-7.01	765.23	765.32
C	11+37.73	-7.00	765.04	765.13
D	11+47.72	-7.01	764.84	764.91
E	11+57.71	-7.05	764.64	764.67
CL Brg. N. Abut.	11+63.20	-7.08	764.53	764.53
Bk. N. Abut.	11+64.45	-7.08	764.50	764.50

BEAM 3 & LOCAL TANGENT

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+06.50	-0.08	765.52	765.52
CL Brg. S. Abut.	11+07.75	-0.08	765.50	765.50
A	11+17.75	-0.03	765.30	765.35
B	11+27.75	-0.01	765.10	765.18
C	11+37.74	-0.00	764.90	764.99
D	11+47.74	-0.01	764.70	764.77
E	11+57.74	-0.05	764.50	764.53
CL Brg. N. Abut.	11+63.24	-0.08	764.39	764.39
Bk. N. Abut.	11+64.49	-0.08	764.36	764.36

☉ AND P.G.

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+06.50	0.00	765.52	765.52
CL Brg. S. Abut.	11+07.75	0.00	765.49	765.49
A	11+17.76	0.00	765.29	765.35
B	11+27.78	0.00	765.09	765.18
C	11+37.78	0.00	764.89	764.99
D	11+47.78	0.00	764.69	764.77
E	11+57.78	0.00	764.49	764.52
CL Brg. N. Abut.	11+63.24	0.00	764.39	764.39
Bk. N. Abut.	11+64.49	0.00	764.36	764.36

BEAM 4

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+06.46	6.92	765.38	765.38
CL Brg. S. Abut.	11+07.71	6.92	765.36	765.36
A	11+17.73	6.97	765.16	765.21
B	11+27.74	6.99	764.96	765.04
C	11+37.74	7.00	764.76	764.85
D	11+47.75	6.99	764.56	764.63
E	11+57.77	6.95	764.36	764.38
CL Brg. N. Abut.	11+63.28	6.92	764.25	764.25
Bk. N. Abut.	11+64.53	6.92	764.22	764.22

BEAM 5

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+06.42	13.92	765.24	765.24
CL Brg. S. Abut.	11+07.67	13.92	765.22	765.22
A	11+17.70	13.97	765.02	765.07
B	11+27.73	13.99	764.82	764.90
C	11+37.74	14.00	764.62	764.71
D	11+47.77	13.99	764.41	764.49
E	11+57.80	13.95	764.22	764.24
CL Brg. N. Abut.	11+63.31	13.92	764.11	764.11
Bk. N. Abut.	11+64.57	13.92	764.08	764.08

WEST EDGE OF DECK

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+06.59	-16.08	765.84	765.84
CL Brg. S. Abut.	11+07.84	-16.08	765.81	765.81
A	11+17.81	-16.03	765.61	765.67
B	11+27.78	-16.01	765.41	765.50
C	11+37.73	-16.00	765.22	765.31
D	11+47.70	-16.01	765.02	765.09
E	11+57.67	-16.05	764.82	764.85
CL Brg. N. Abut.	11+63.15	-16.08	764.71	764.71
Bk. N. Abut.	11+64.39	-16.08	764.68	764.68

EAST EDGE OF DECK

Location	Station	Offset	Theoretical Grade Elevations	Theoretical Grade Elevations Adjusted For Dead Load Deflection
Bk. S. Abut.	11+06.41	15.92	765.20	765.20
CL Brg. S. Abut.	11+07.66	15.92	765.18	765.18
A	11+17.69	15.97	764.98	765.03
B	11+27.73	15.99	764.78	764.86
C	11+37.74	16.00	764.58	764.67
D	11+47.78	15.99	764.37	764.45
E	11+57.81	15.95	764.17	764.20
CL Brg. N. Abut.	11+63.33	15.92	764.07	764.07
Bk. N. Abut.	11+64.58	15.92	764.04	764.04

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WEST EDGE OF SHOULDER

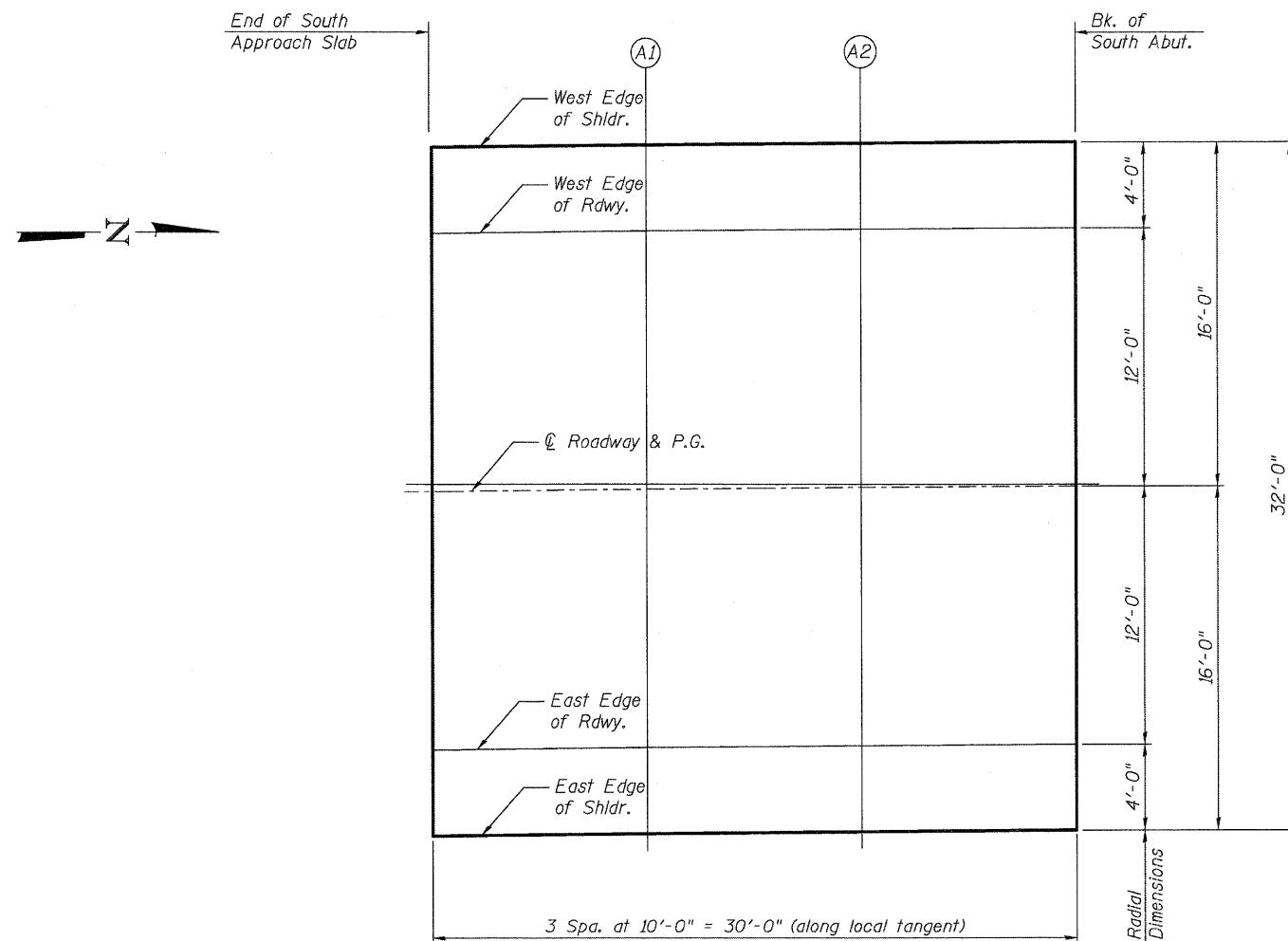
Location	Station	Offset	Theoretical Grade Elevations
End of S. Appr. Slab	10+76.69	-16.00	766.44
A1	10+86.67	-16.00	766.24
A2	10+96.62	-16.00	766.04
Bk. S. Abut.	11+06.59	-16.00	765.84

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
End of S. Appr. Slab	10+76.64	-12.00	766.36
A1	10+86.59	-12.00	766.16
A2	10+96.59	-12.00	765.96
Bk. S. Abut.	11+06.57	-12.00	765.76

☉ ROADWAY AND P.G.

Location	Station	Offset	Theoretical Grade Elevations
End of S. Appr. Slab	10+76.50	0.00	766.12
A1	10+86.50	0.00	765.92
A2	10+96.50	0.00	765.72
Bk. S. Abut.	11+06.50	0.00	765.52



PLAN

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
End of S. Appr. Slab	10+76.36	12.00	765.88
A1	10+86.38	12.00	765.68
A2	10+96.41	12.00	765.48
Bk. S. Abut.	11+06.43	12.00	765.28

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
End of S. Appr. Slab	10+76.31	16.00	765.80
A1	10+86.34	16.00	765.60
A2	10+96.38	16.00	765.40
Bk. S. Abut.	11+06.41	16.00	765.20

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7-1-10

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOP OF SOUTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 045-3080**

SHEET NO. 6 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	39
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63645	

WEST EDGE OF SHOULDER

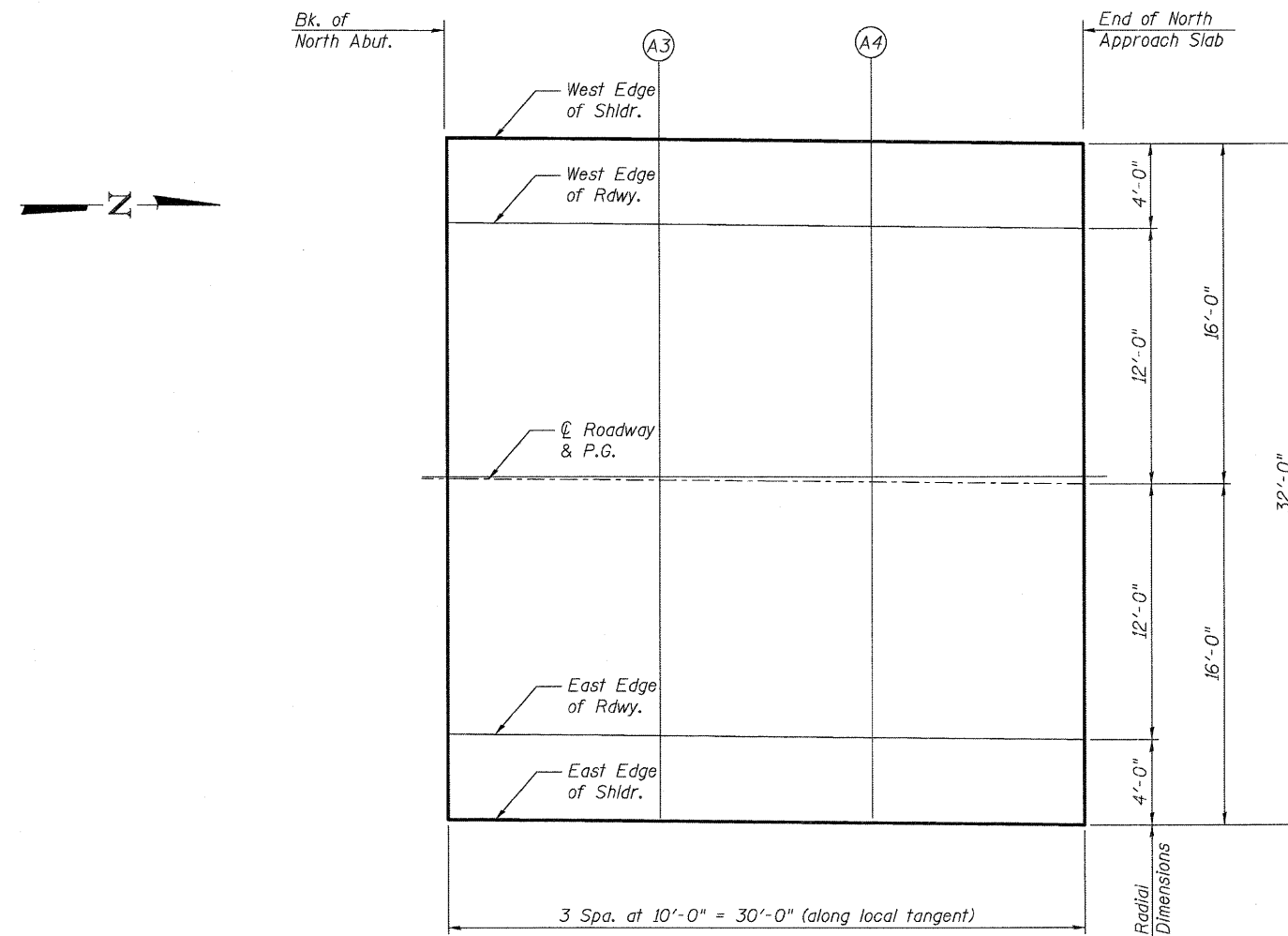
Location	Station	Offset	Theoretical Grade Elevations
Bk. N. Abut.	11+64.41	-16.00	764.68
A3	11+74.38	-16.00	764.48
A4	11+84.34	-16.00	764.28
End of N. Appr. Slab	11+94.31	-16.00	764.08

WEST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
Bk. N. Abut.	11+64.43	-12.00	764.60
A3	11+74.41	-12.00	764.40
A4	11+84.38	-12.00	764.20
End of N. Appr. Slab	11+94.36	-12.00	764.00

☉ ROADWAY AND P.G.

Location	Station	Offset	Theoretical Grade Elevations
Bk. N. Abut.	11+64.50	0.00	764.36
A3	11+74.50	0.00	764.16
A4	11+84.50	0.00	763.96
End of N. Appr. Slab	11+94.50	0.00	763.76



PLAN

EAST EDGE OF ROADWAY

Location	Station	Offset	Theoretical Grade Elevations
Bk. N. Abut.	11+64.57	12.00	764.12
A3	11+74.59	12.00	763.92
A4	11+84.62	12.00	763.72
End of N. Appr. Slab	11+94.64	12.00	763.52

EAST EDGE OF SHOULDER

Location	Station	Offset	Theoretical Grade Elevations
Bk. N. Abut.	11+64.59	16.00	764.04
A3	11+74.62	16.00	763.84
A4	11+84.66	16.00	763.64
End of N. Appr. Slab	11+94.69	16.00	763.44

E-AS

7-1-10

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PLOT DATE = 10/18/2011

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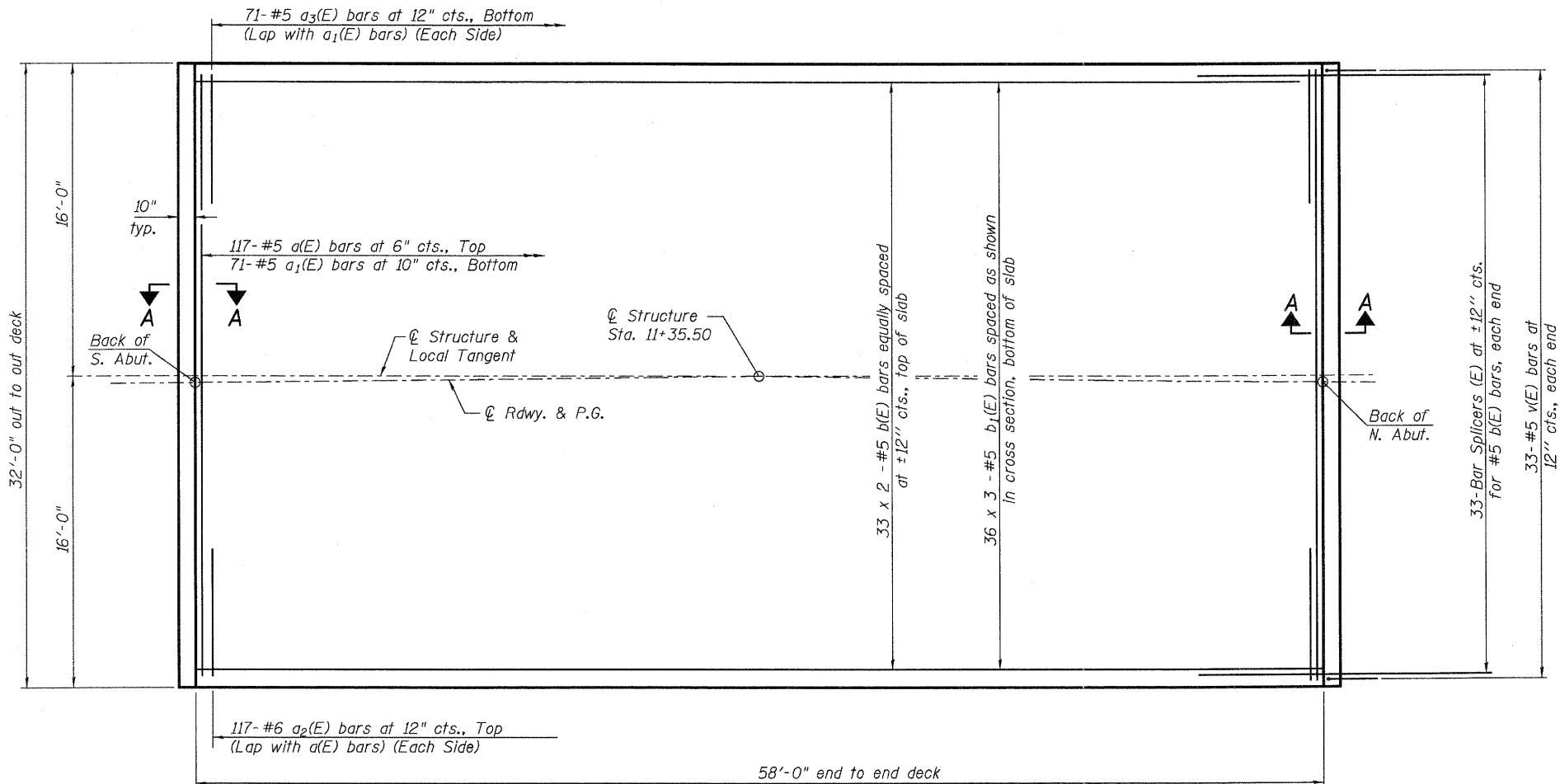
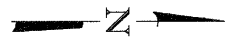
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DEPARTMENT OF TRANSPORTATION**

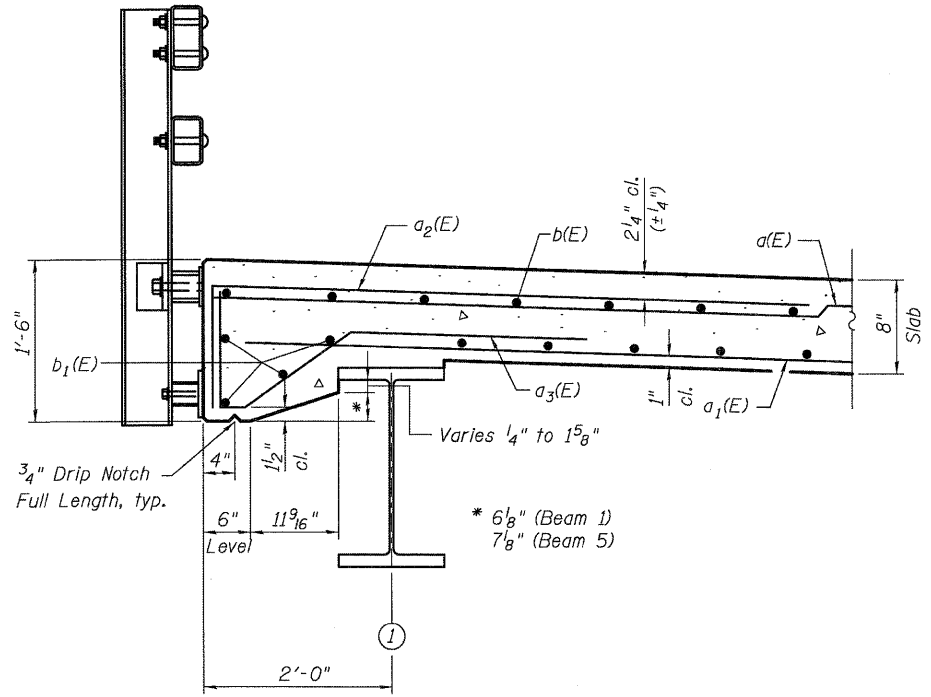
**TOP OF NORTH APPROACH SLAB ELEVATIONS
STRUCTURE NO. 045-3080**

SHEET NO. 7 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	40
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63645	

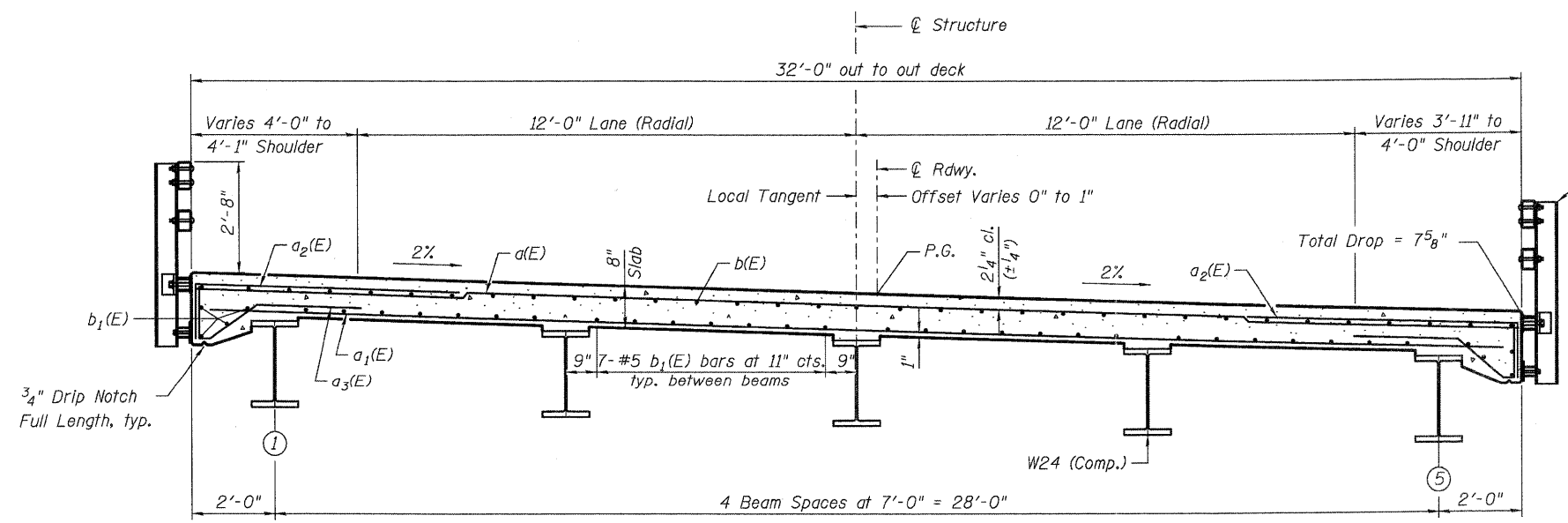


PLAN



SECTION THRU EDGE OF DECK

See Sheet 12 of 20 for Rail Post Anchor Details



CROSS SECTION
(Looking North)

Steel Bridge Rail, Type SM, typ.
See Sheet 12 of 20 for Details & Sheet 2 of 20 for Spacing.

Notes:
See Sheet 9 of 20 for superstructure details and Bill of Material.
Bars indicated thus 20 x 3-#5 etc. indicates 20 lines of bars with 3 lengths per line.
See Sheet 9 of 20 for Section A-A.
See Sheet 18 of 20 for Bar Splicer Details.
Protective Coat shall also be applied to deck fascias

MIN. BAR LAP
#5 bar = 3'-3"

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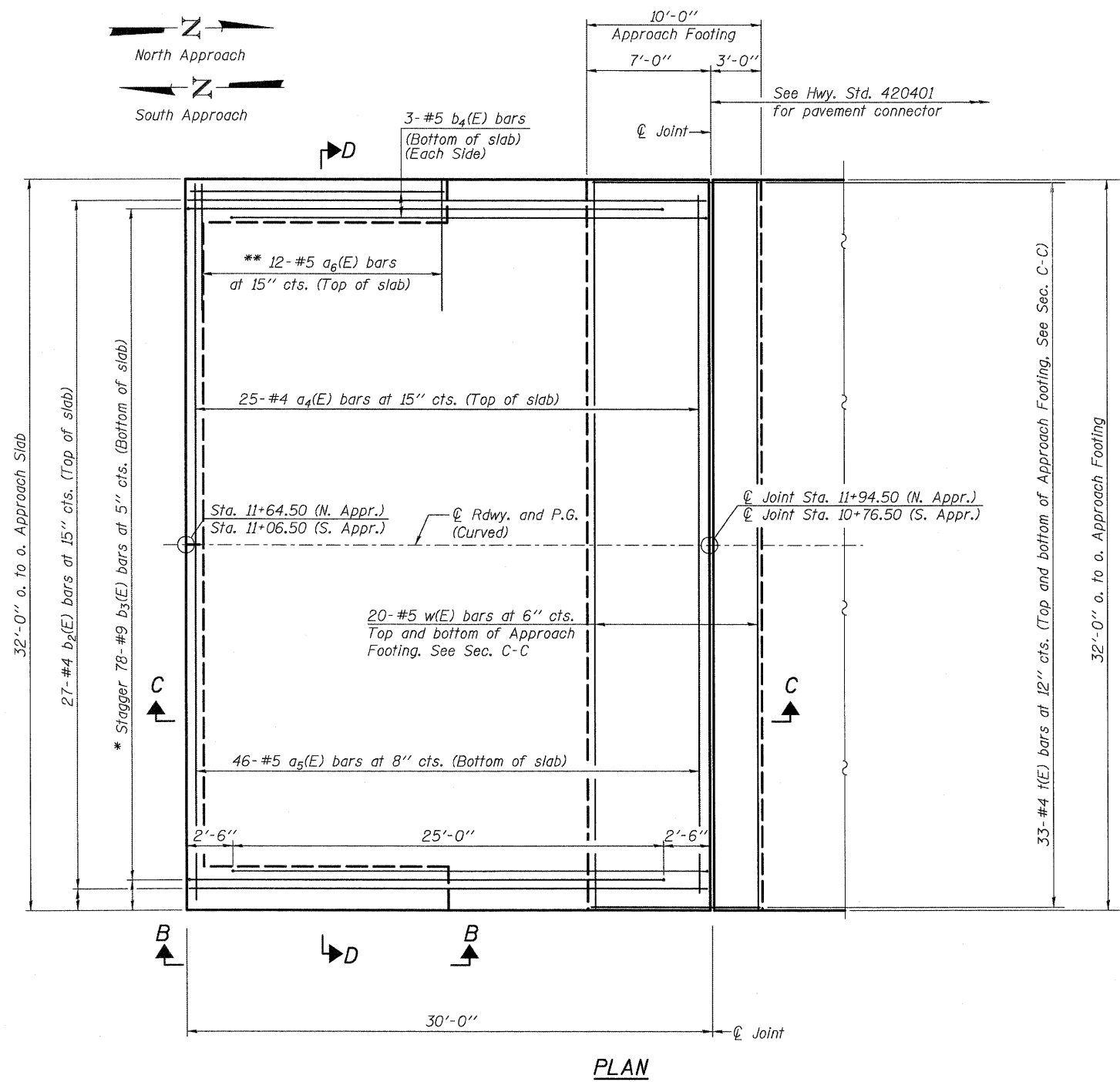
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUPERSTRUCTURE
STRUCTURE NO. 045-3080

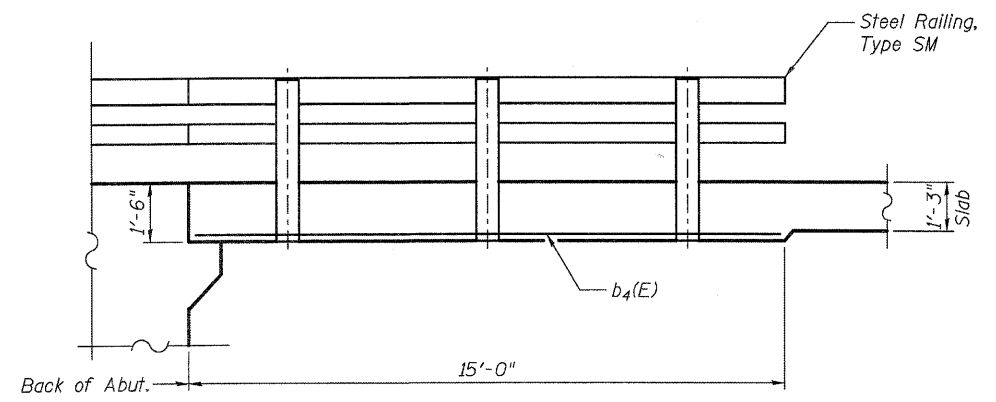
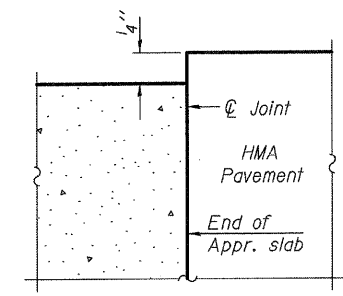
SHEET NO. 8 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	41
CONTRACT NO. 63645				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

Notes:
 See sheet 11 of 20 for Sections C-C and D-D.
 a₄(E) and a₅(E) bar spacings measured along C Rdwy.
 See sheet 12 of 20 for Railing and Railing Connection
 Details.



* Tilt #9 b₃(E) bars as required to maintain clearance.
 ** Space between a₄(E) bars, typ. each end in thickened slab.



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(Sheet 1 of 2)

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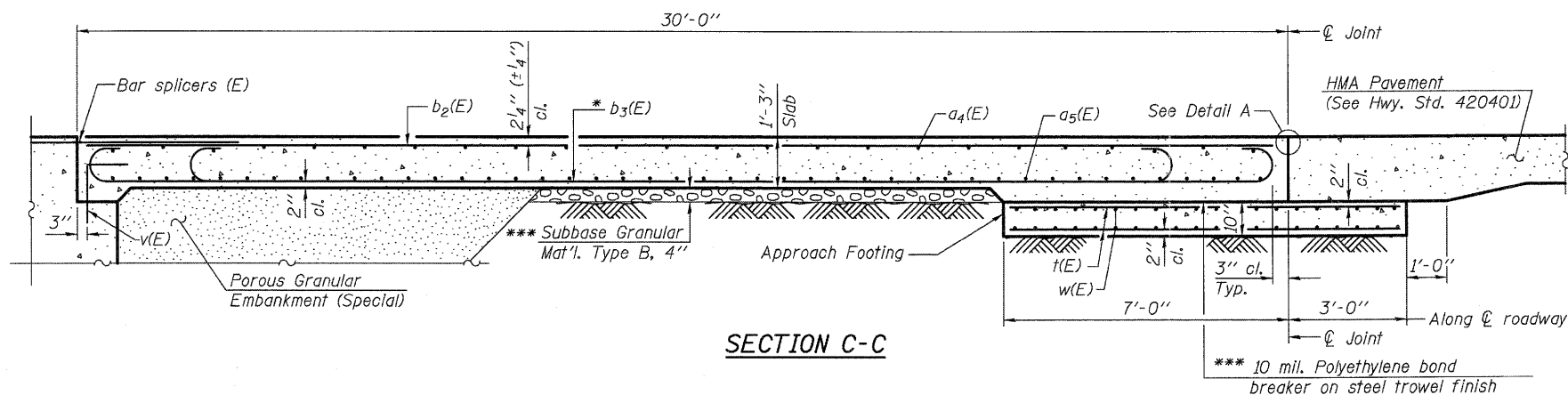
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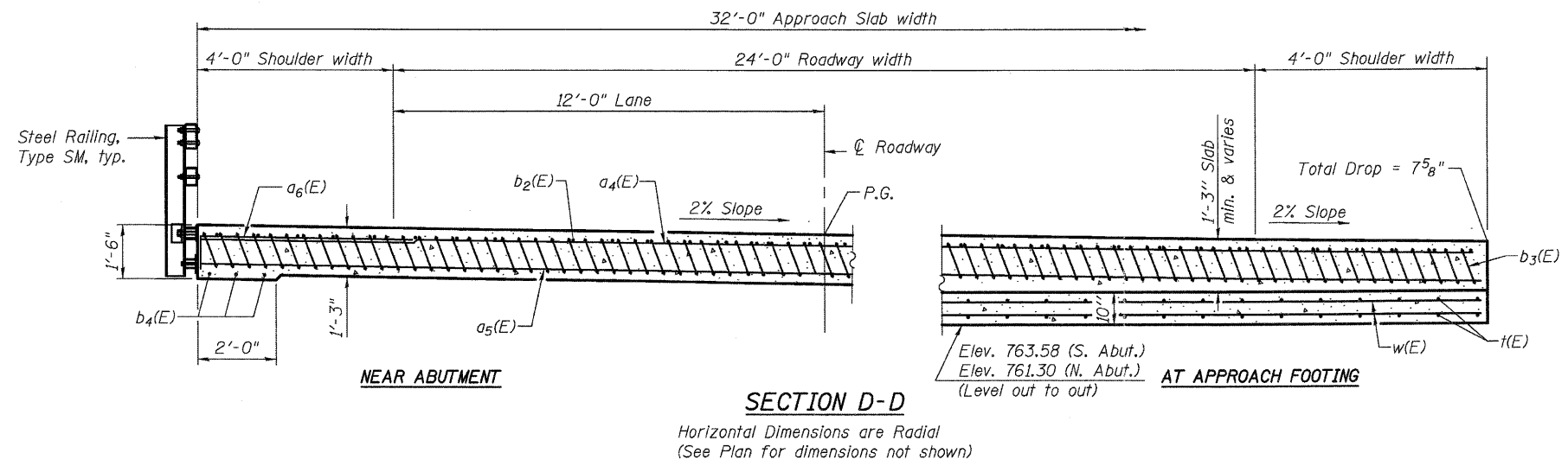
BRIDGE APPROACH SLAB DETAILS
STRUCTURE NO. 045-3080

SHEET NO. 10 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63645	



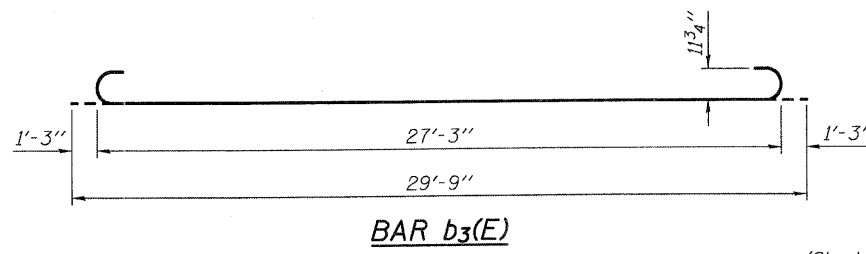
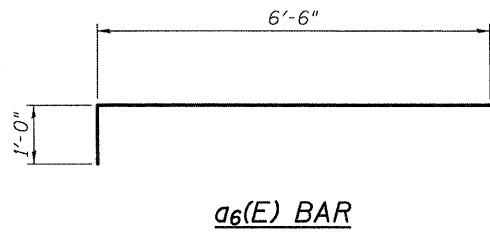
Notes:
 See sheet 10 of 20 for Detail A.
 Approach slab concrete shall be paid for as Concrete Superstructure.
 Approach footing concrete shall be paid for as Concrete Structures.
 Reinforcement shall be paid for as Reinforcement Bars, Epoxy Coated.
 For v(E) bar details, see sheet 9 of 20.
 The approach footing maximum applied service bearing pressure (Qmax) = 2.0 ksf.
 For bar splicer details, see sheet 18 of 20.
 Cost of excavation for approach footing included with Concrete Structures.
 For Porous Granular Embankment (Special) and drainage treatment details, see sheet 2 of 20.



* Tilt #9 b₃(E) bars as required to maintain clearance.
 *** Cost included with Concrete Superstructure.

**TWO APPROACHES
 BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
a ₄ (E)	50	#4	31'-8"	—
a ₅ (E)	92	#5	31'-8"	—
a ₆ (E)	48	#5	7'-6"	—
b ₂ (E)	54	#4	29'-8"	—
b ₃ (E)	156	#9	29'-9"	⌋
b ₄ (E)	12	#5	14'-8"	—
k(E)	132	#4	9'-8"	—
w(E)	80	#5	31'-8"	—
Concrete Superstructure		Cu. Yd.		97
Concrete Structures		Cu. Yd.		19.8
Bridge Deck Grooving		Sq. Yd.		213
Protective Coat		Sq. Yd.		213
Reinforcement Bars, Epoxy Coated		Pound		25,000



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7-1-10

(Sheet 2 of 2)

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 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - HLF	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 10/18/2011	DRAWN - HLF	REVISED -
	CHECKED - AEU	REVISED -

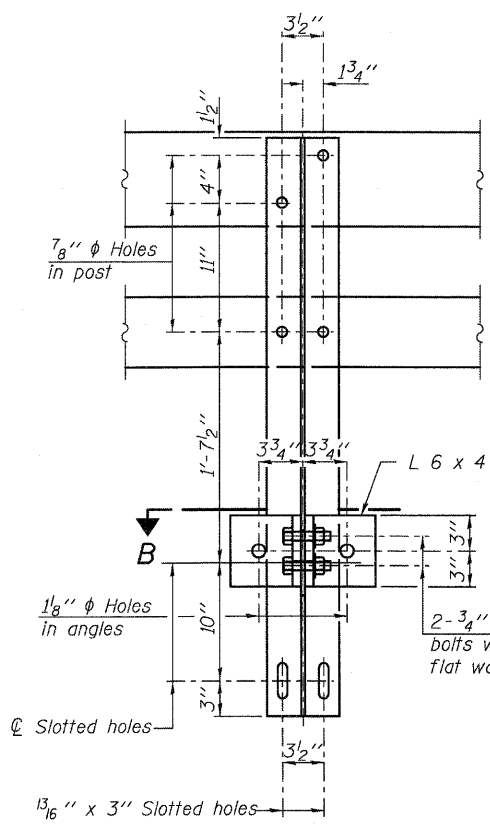
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**BRIDGE APPROACH SLAB DETAILS
 STRUCTURE NO. 045-3080**

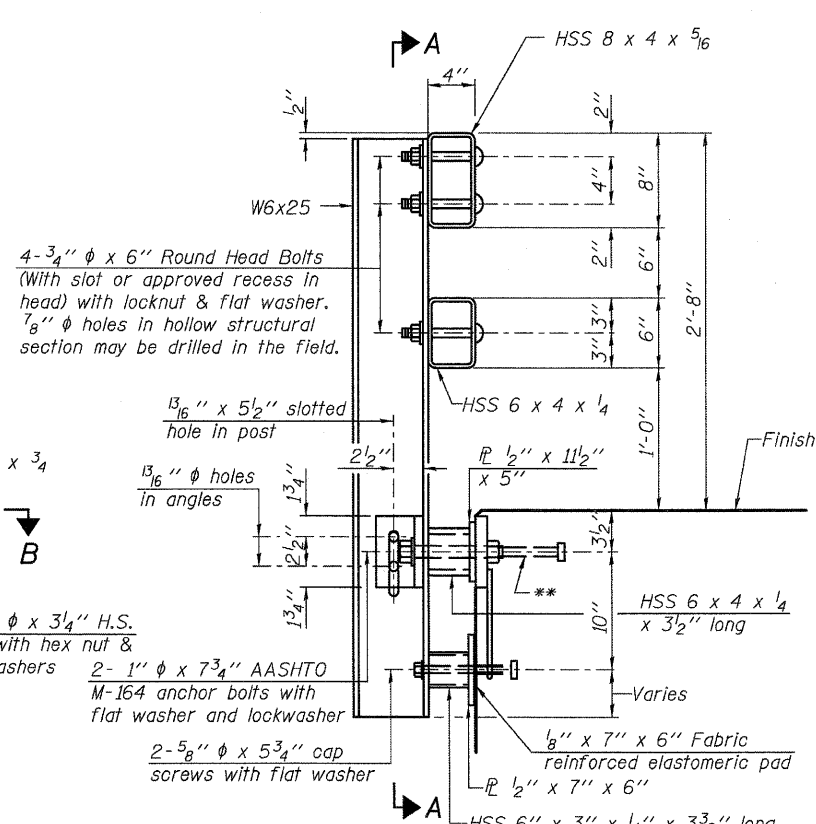
SHEET NO. 11 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	44
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63645				

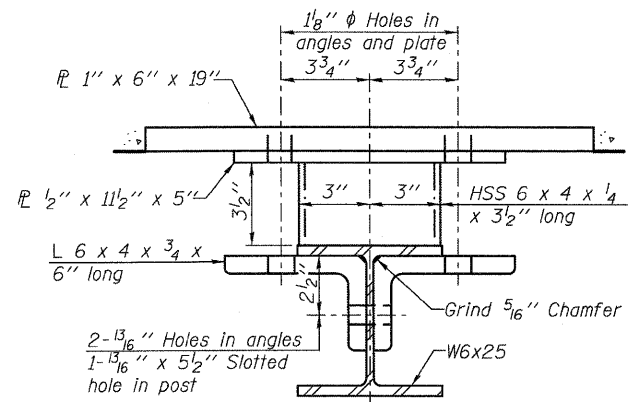
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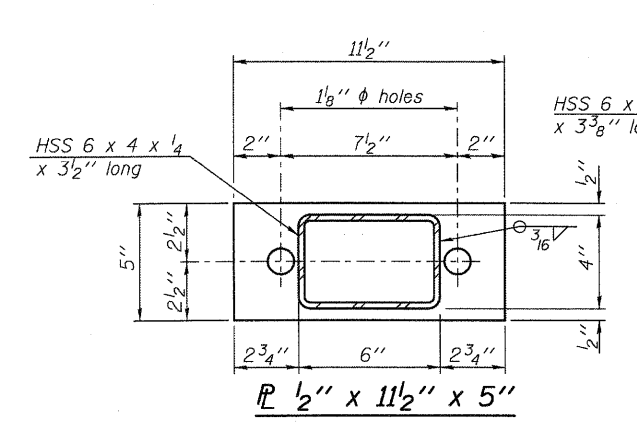
SECTION A-A



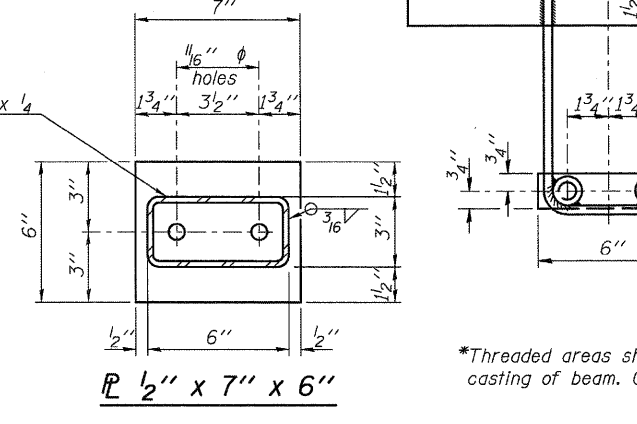
SECTION AT RAIL POST



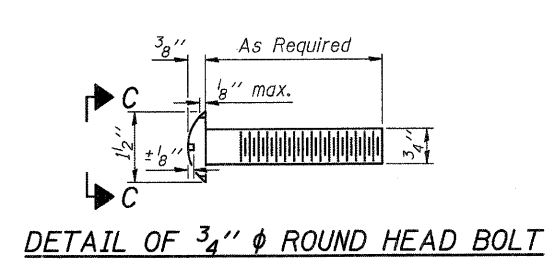
SECTION B-B



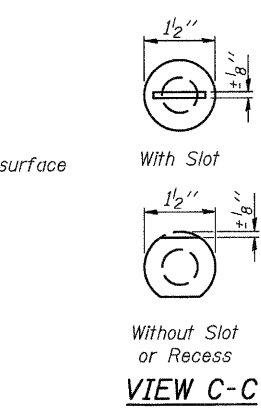
SECTION C-C



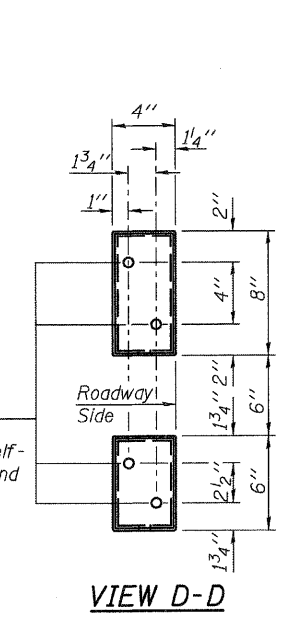
SECTION D-D



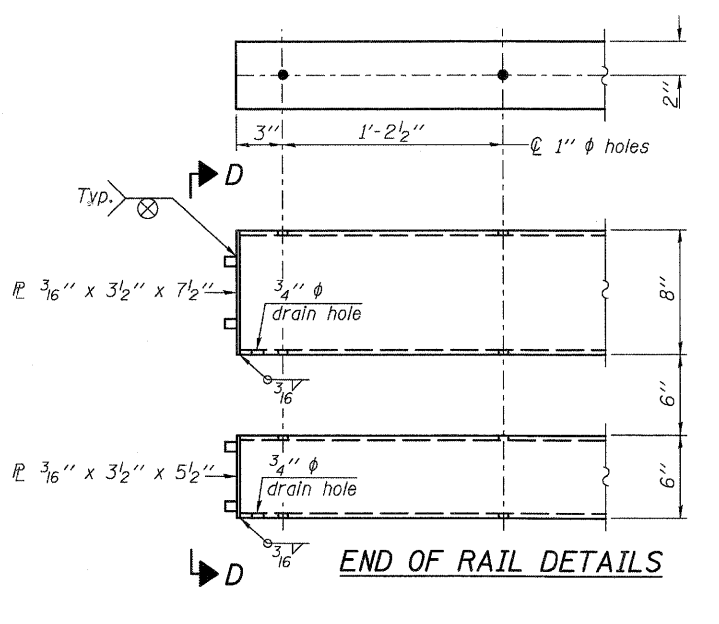
DETAIL OF 3/4" ϕ ROUND HEAD BOLT



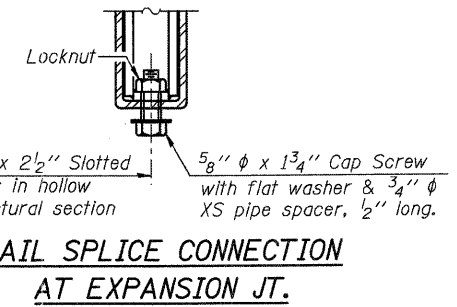
VIEW C-C



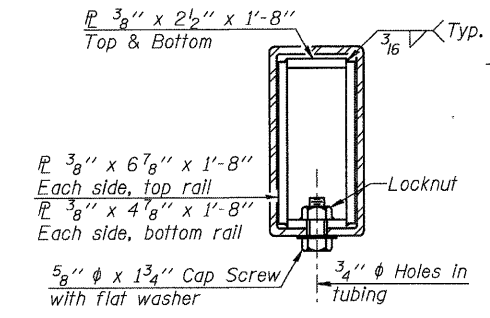
VIEW D-D



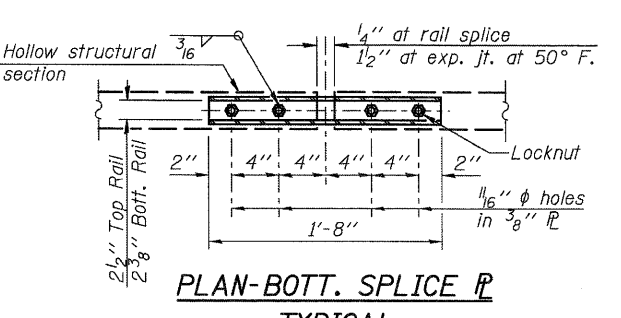
END OF RAIL DETAILS



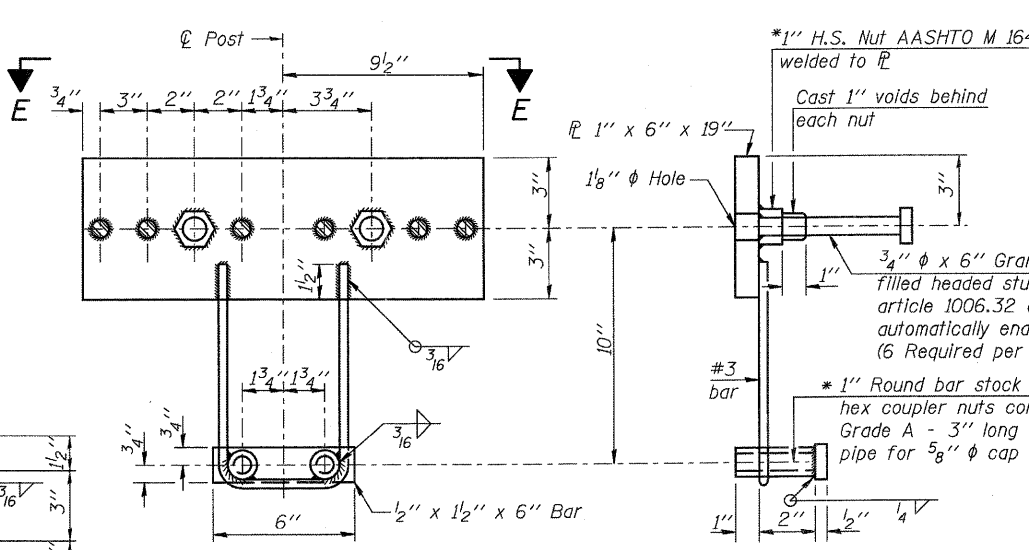
RAIL SPLICE CONNECTION AT EXPANSION JT.



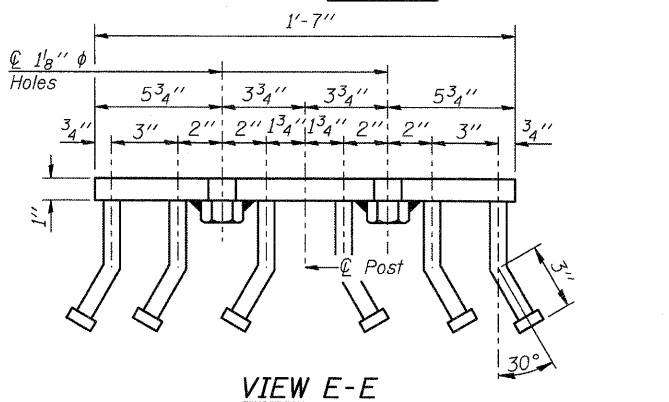
SECTION AT RAIL SPLICE



PLAN-BOTT. SPLICE TYPICAL



ANCHOR DEVICE



VIEW E-E

Notes:
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type SM.
 Steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
 ** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.
 See Sheet 2 of 20 for Post Spacing.

*Threaded areas shall be plugged or blocked off during casting of beam. Galvanized after fabrication.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type SM	Foot	176

FILE NAME = W:\Projects\2010\100025 BurrFerson\I\Noada\Structure\1\0gn\10453080-012-Rail.rvt.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = rper118
 PLOT SCALE =
 PLOT DATE = 10/18/2011

DESIGNED - HLF
 CHECKED - AEU
 DRAWN - HLF
 CHECKED - AEU

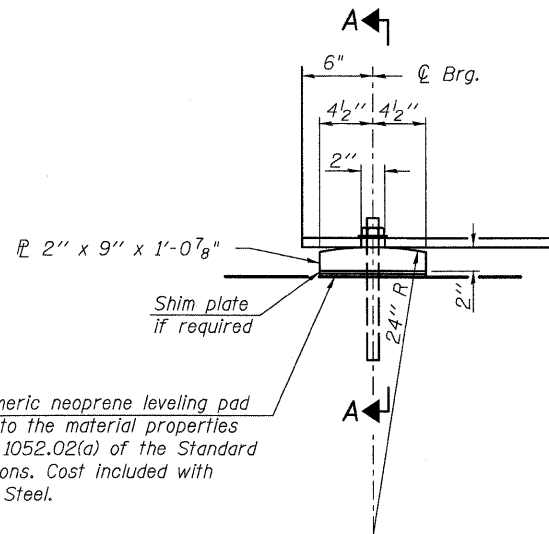
REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

STEEL RAILING, TYPE SM
 STRUCTURE NO. 045-3080

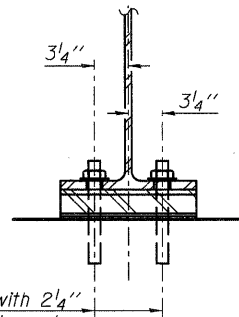
SHEET NO. 12 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	45
CONTRACT NO. 63645				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



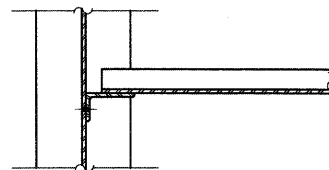
1/8" elastomeric neoprene leveling pad according to the material properties of Article 1052.02(a) of the Standard Specifications. Cost included with Structural Steel.

Ø 1" φ x 12" anchor bolts with 2 1/4" x 2 1/4" x 5/16" PL washer under nut. 1 3/8" x 2" slotted hole in flange. 1 1/2" φ holes in bearing plate.



SECTION A-A

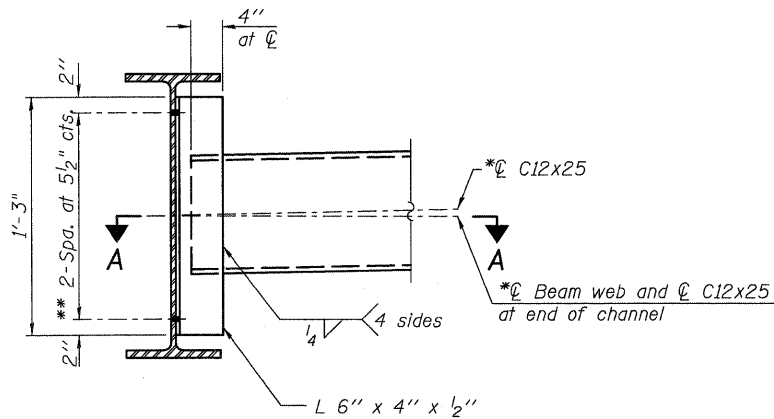
ELEVATION AT ABUTMENT



SECTION A-A

FIXED BEARING

(10 Required)



INTERIOR DIAPHRAGM, D

(16 Required)

Note:

Two hardened washers required for each set of oversized holes.

*C12x30 is permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section.

The alternate, if utilized, shall be provided at no additional cost to the Department.

**3/4" φ HS bolts, 1 5/16" φ holes

NOTES:

Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.

Anchor bolts at fixed bearings may be either cast in place or installed in holes drilled after the supported member is in place.

Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications. Two 1/8 in. adjusting shims shall be provided for each bearing location in addition to all other plates or shims and placed as shown on bearing details.

BILL OF MATERIAL

Item	Unit	Total
Anchor Bolts, 1"	Each	20

FILE NAME = W:\Projects\2010\102025 Burr-Ferguson\Structural\Drawings\Steel\Detail.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - HLF	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 11/17/2011	DRAWN - HLF	REVISED -
	CHECKED - AEU	REVISED -

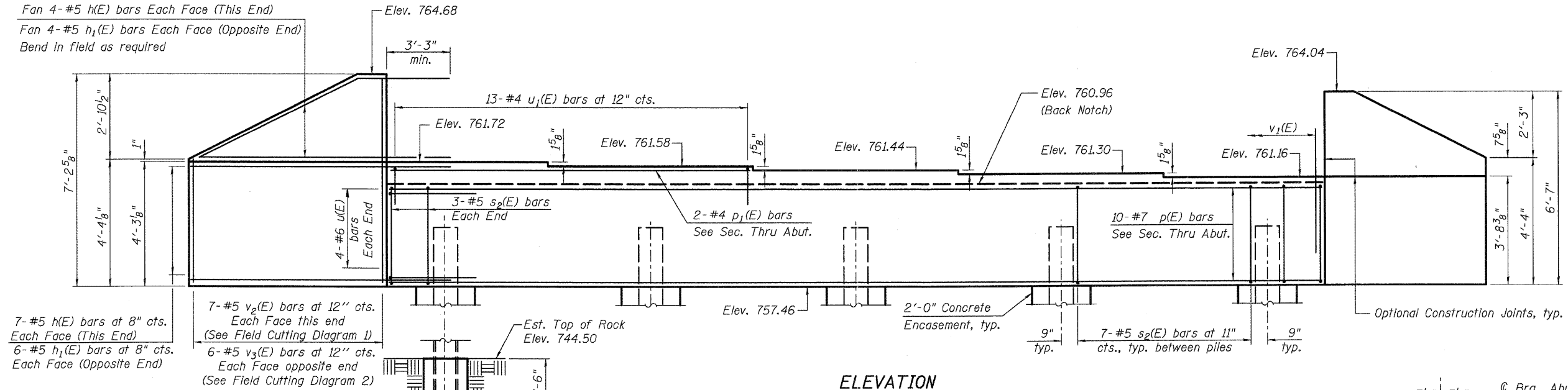
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STRUCTURAL STEEL DETAILS
STRUCTURE NO. 045-3080

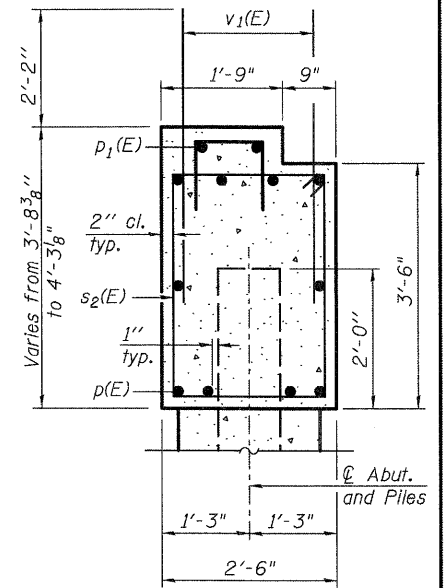
SHEET NO. 14 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	47
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63645	

Fan 4-#5 h(E) bars Each Face (This End)
 Fan 4-#5 h₁(E) bars Each Face (Opposite End)
 Bend in field as required

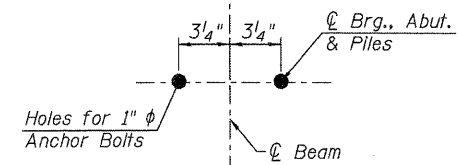
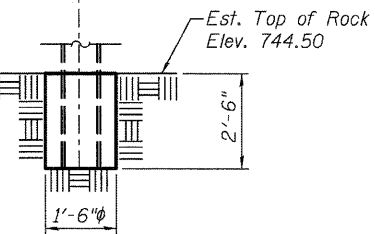


ELEVATION

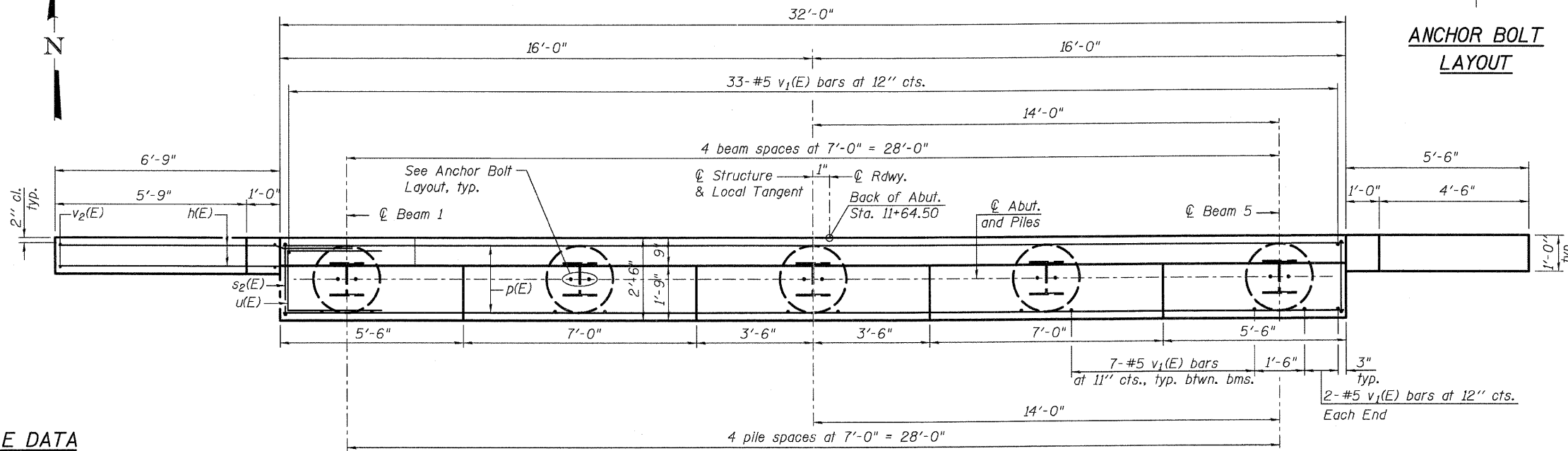


SEC. THRU ABUT.

7-#5 h(E) bars at 8" cts. Each Face (This End)
 6-#5 h₁(E) bars at 8" cts. Each Face (Opposite End)
 7-#5 v₂(E) bars at 12" cts. Each Face this end (See Field Cutting Diagram 1)
 6-#5 v₃(E) bars at 12" cts. Each Face opposite end (See Field Cutting Diagram 2)



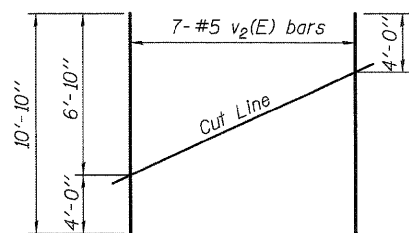
ANCHOR BOLT LAYOUT



PLAN

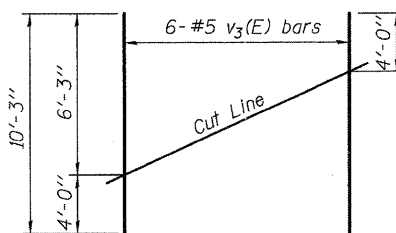
PILE DATA

Type: Steel HP 12x53
 Nominal Required Bearing: Set in Rock
 Factored Resistance Available: 209.5 kips
 Est. Length: 17.50'
 No. Production Piles: 5
 No. Test Piles: 0
 Estimated Top of Rock: 744.50
 Rock Socket Depth: 2.5'
 Rock Socket Diameter: 1'-6"



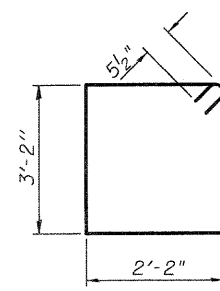
FIELD CUTTING DIAGRAM 1

Order v₂(E) full length. Cut as shown and use remainder of bars in opposite face.

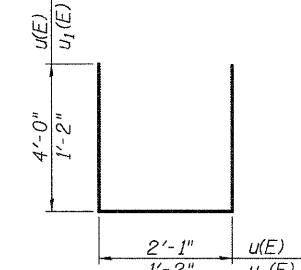


FIELD CUTTING DIAGRAM 2

Order v₃(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s₂(E)



BAR u(E) & u₁(E)

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	22	#5	10'-0"	
h ₁ (E)	20	#5	8'-9"	
p(E)	10	#7	31'-8"	
p ₁ (E)	2	#4	12'-2"	
s ₂ (E)	34	#5	11'-7"	
u(E)	8	#6	10'-1"	
u ₁ (E)	13	#4	3'-6"	
v ₁ (E)	65	#5	4'-4"	
v ₂ (E)	7	#5	10'-10"	
v ₃ (E)	6	#5	10'-3"	
Structure Excavation		Cu. Yd.	98	
Concrete Structures		Cu. Yd.	14.0	
Concrete Encasement		Cu. Yd.	1.8	
Reinforcement Bars, Epoxy Coated		Pound	2,070	
Furnishing Steel Piles, HP 12x53		Foot	87.5	
Setting Piles in Rock		Each	5	

Notes:
 Pour steps monolithically with cap.
 For details of piles and Concrete Encasement, see sheet 17 of 20.

FILE NAME = W:\Projects\2018\100025 Burr-Ferguson\1\00025\Structural\Drawings\0453080-016-Abut.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60114

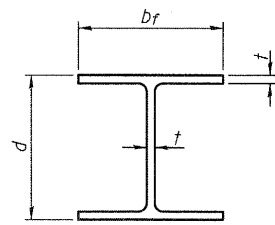
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PLOT SCALE =	DRAWN - AEU	REVISED -
PLOT DATE = 10/18/2011	CHECKED - HLF	REVISED -
	DATE - AEU	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**NORTH ABUTMENT
 STRUCTURE NO. 045-3080**

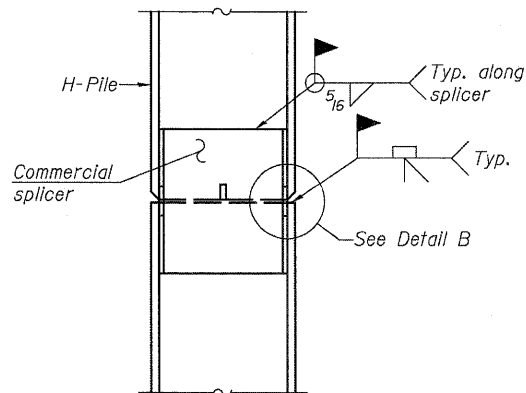
SHEET NO. 16 OF 19 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.	

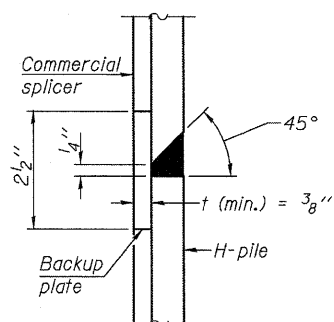


STEEL PILE TABLE

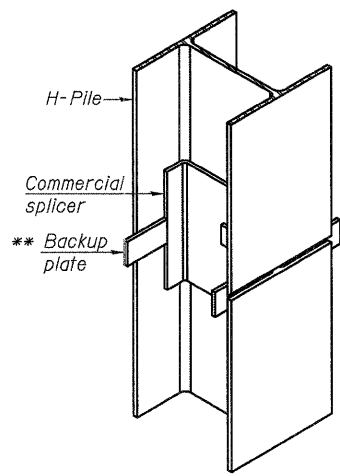
Designation	Depth d	Flange width b _f	Web and Flange thickness t	Encasement diameter A
HP 14x117	14 1/4"	14 7/8"	13/16"	30"
x102	14"	14 3/4"	1/16"	30"
x89	13 7/8"	14 3/4"	5/8"	30"
x73	13 5/8"	14 5/8"	1/2"	30"
HP 12x84	12 1/4"	12 1/4"	1/16"	24"
x74	12 1/8"	12 1/4"	5/8"	24"
x63	12"	12 1/8"	1/2"	24"
x53	11 3/4"	12"	7/16"	24"
HP 10x57	10"	10 1/4"	9/16"	24"
x42	9 3/4"	10 1/8"	7/16"	24"
HP 8x36	8"	8 1/8"	7/16"	18"



ELEVATION

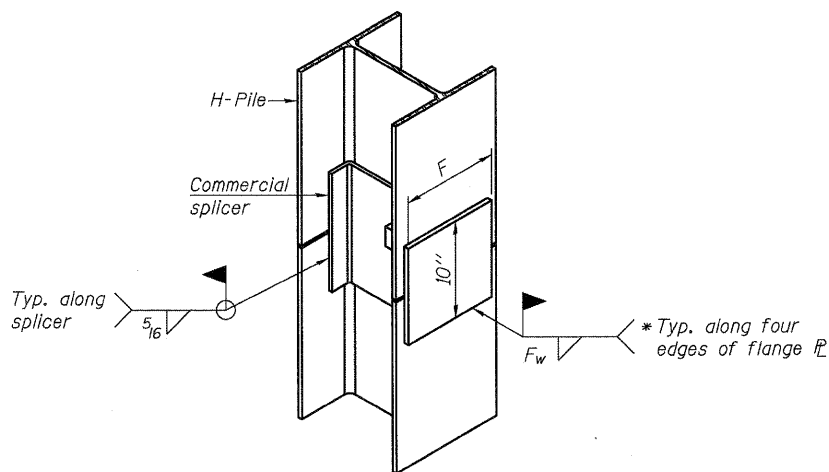


DETAIL "B"



ISOMETRIC VIEW

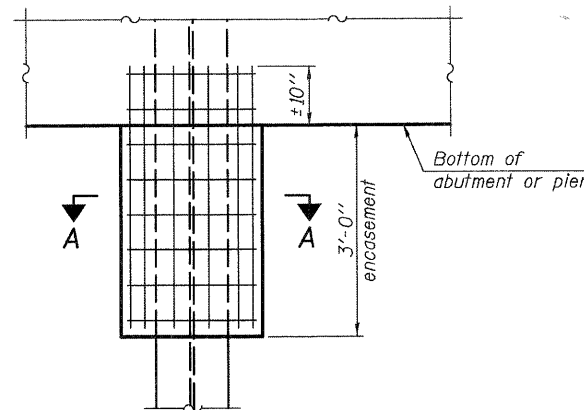
WELDED COMMERCIAL SPLICE



ISOMETRIC VIEW

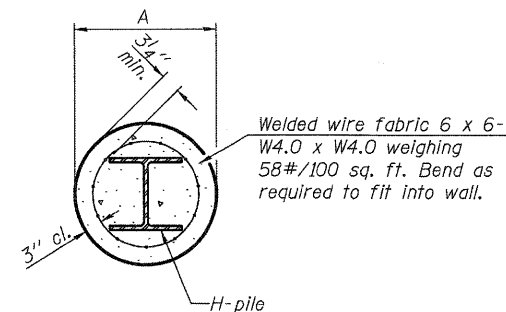
WELDED COMMERCIAL SPLICE ALTERNATE

- * Interrupt welds 1/4" from end of web and/or each flange.
- ** Remove portions of backup plates that extend outside the flanges.
- *** Weld size per pile shoe manufacturer (5/16" min.).



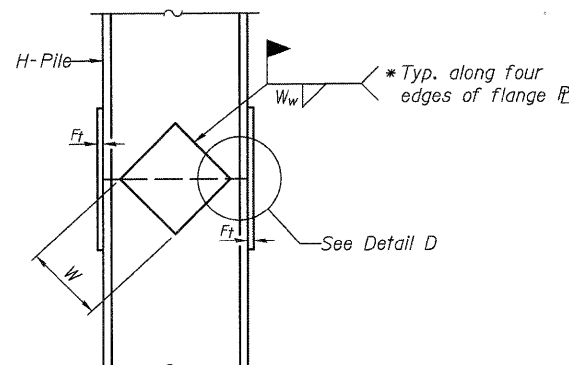
ELEVATION

PILE ENCASEMENT

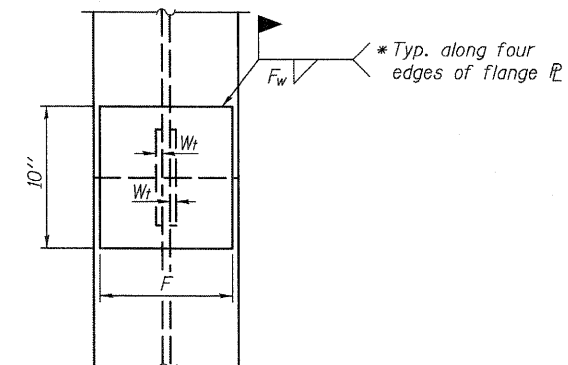


Note:
Forms for encasement may be omitted when soil conditions permit.

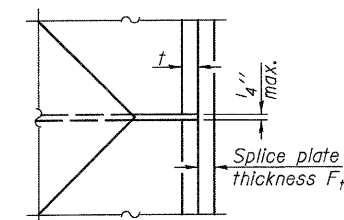
SECTION A-A



ELEVATION



END VIEW



DETAIL D

WELDED PLATE FIELD SPLICE

Designation	F	F _t	F _w	W	W _t	W _w
HP 14x117	12 1/2"	1"	7/8"	7 3/4"	5 8/8"	1/2"
x102	12 1/2"	7/8"	3/4"	7 3/4"	5 8/8"	1/2"
x89	12 1/2"	3/4"	1 1/16"	7 3/4"	5 8/8"	1/2"
x73	12 1/2"	5/8"	9/16"	7 3/4"	5 8/8"	1/2"
HP 12x84	10"	7/8"	1 1/16"	6 1/2"	5 8/8"	1/2"
x74	10"	7/8"	1 1/16"	6 1/2"	5 8/8"	1/2"
x63	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
x53	10"	5/8"	1/2"	6 1/2"	1/2"	3/8"
HP 10x57	8"	3/4"	9/16"	5 1/4"	1/2"	3/8"
x42	8"	5/8"	9/16"	5 1/4"	1/2"	3/8"
HP 8x36	7"	5/8"	7/16"	4 1/4"	1/2"	3/8"

Note:
The steel H-piles shall be according to AASHTO M270 Grade 50.

F-HP 7-1-10



USER NAME = nparr16	DESIGNED - HLF	REVISED -
PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 10/18/2011	DRAWN - HLF	REVISED -
	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HP PILE DETAILS
STRUCTURE NO. 045-3080**

SHEET NO. 17 OF 20 SHEETS

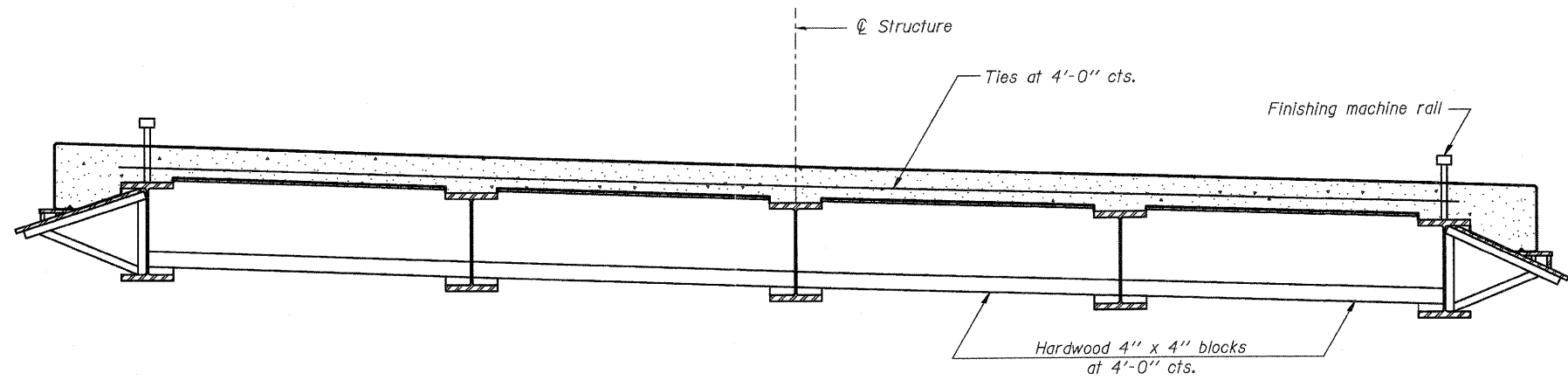
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	50
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63645				

When cantilever forming brackets are used, the work shall be done according to Article 503.06(b) of the Standard Specifications, except as modified below and in the details shown on this sheet.

The finishing machine rails shall be placed on the top flange of the exterior beams.

The beams or girders, supporting cantilever forming brackets, shall be tied together at 4 foot intervals.

For Standard construction, or Stage Construction the Hardwood bracing materials shall be placed as shown between webs of beams in each bay.



**FORM BRACES FOR
STANDARD CONSTRUCTION**

FILE NAME = W:\Projects\2010\100025 BurrFerson\1\cadd\Structural\09m\0453080-019-Cantilever.dgn

WBK WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - HLF	REVISED -
	CHECKED - AEU	REVISED -
PLOT SCALE =	DRAWN - HLF	REVISED -
PLOT DATE = 10/18/2011	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CANTILEVER FORMING BRACKETS
STRUCTURE NO. 045-3080**

SHEET NO. 19 OF 20 SHEETS

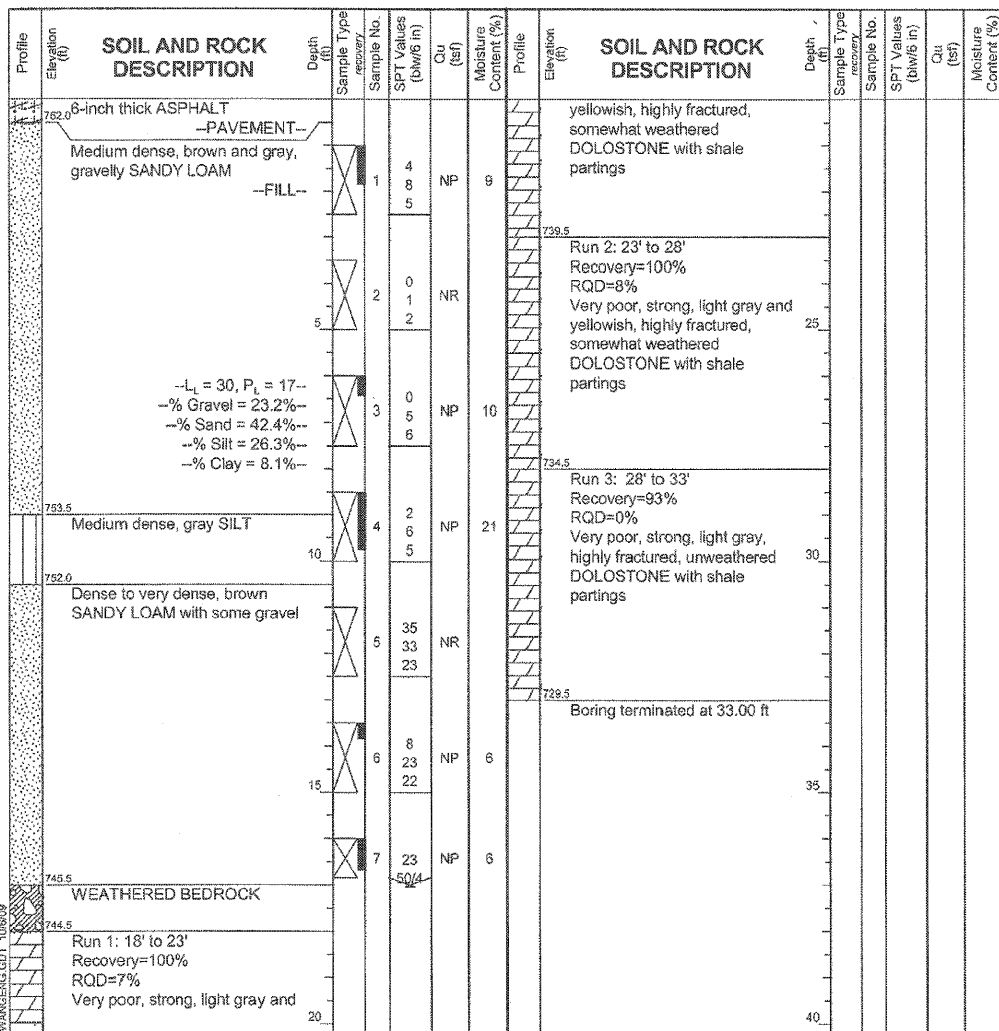
T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	52
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63645	

W Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB-1
WEI Job No.: 412-01-01
Client: **Wills Burke Kelsey Associates**
Project: **Burr Road (TR 194) Bridge over Ferson Creek**
Location: **St. Charles Township, Kane County, IL**

Datum: NAVD 88
Elevation: 762.50 ft
North: 1928888.49 ft
East: 976399.31 ft
Station: 11+67.01
Offset: 4.88 RT

Page 1 of 1



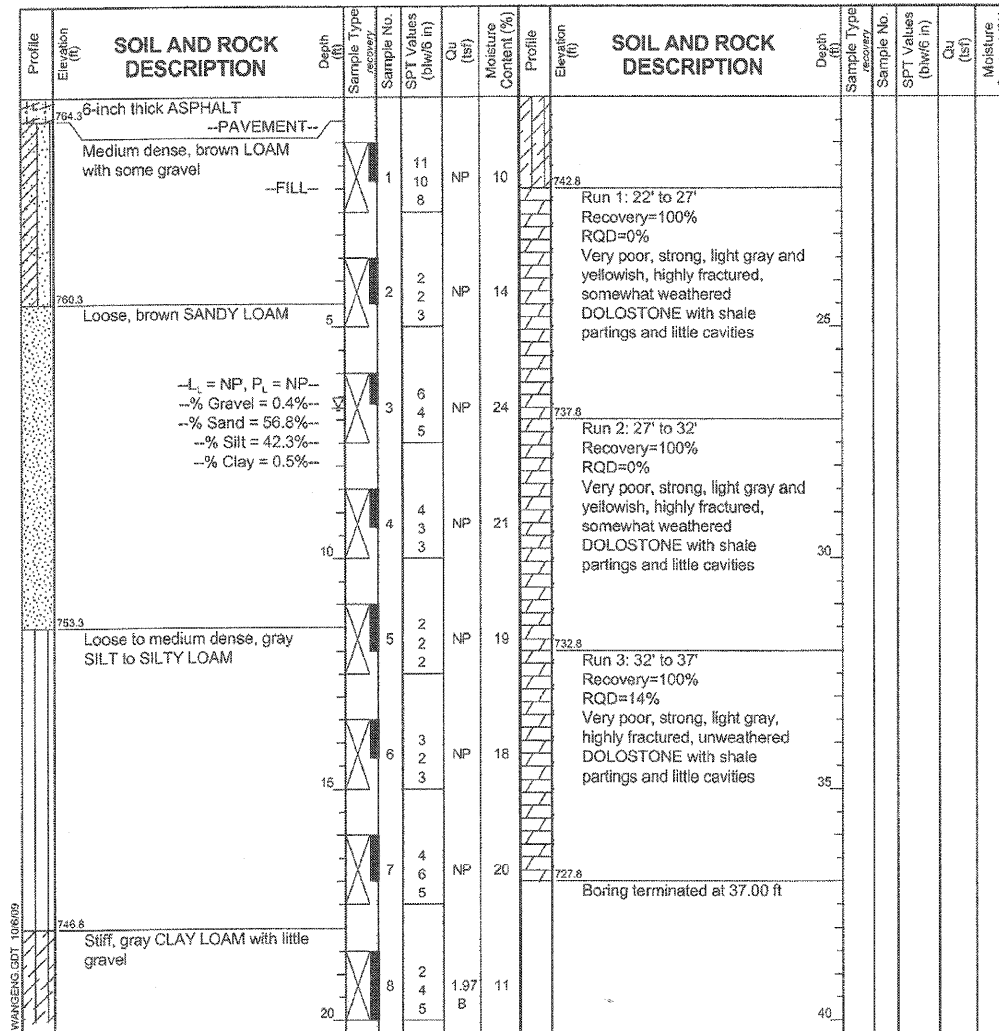
GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-11-2009	Complete Drilling	05-11-2009	While Drilling	▽	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	Mobil B-57 TMR	At Completion of Drilling	▽	Washed	
Driller	J&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	N. Davis	Drilling Method	4.25-inch HSA; 140 lb Mobil Automatic Hammer;	Depth to Water	▽	NA	
backfilled upon completion.				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

W Wang Engineering, Inc.
Consulting Geotechnical and Environmental Engineers
wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
Fax: 630 953-9938

BORING LOG SB-2
WEI Job No.: 412-01-01
Client: **Wills Burke Kelsey Associates**
Project: **Burr Road (TR 194) Bridge over Ferson Creek**
Location: **St. Charles Township, Kane County, IL**

Datum: NAVD 88
Elevation: 764.80 ft
North: 1928796.50 ft
East: 976365.24 ft
Station: 10+70.50
Offset: 11.60 LT

Page 1 of 1



GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	05-11-2009	Complete Drilling	05-11-2009	While Drilling	▽	6.75 ft	
Drilling Contractor	Wang Testing Services	Drill Rig	Mobil B-57 TMR	At Completion of Drilling	▽	Washed	
Driller	J&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	N. Davis	Drilling Method	4.25-inch HSA; 140 lb Mobil Automatic Hammer;	Depth to Water	▽	NA	
backfilled upon completion.				The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

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PLOT SCALE =	CHECKED - AEU	REVISED -
PLOT DATE = 10/18/2011	DRAWN - HLF	REVISED -
	CHECKED - AEU	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SOIL BORING LOGS
STRUCTURE NO. 045-3080**
SHEET NO. 20 OF 20 SHEETS

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0194	08-14117-00-BR	KANE	76	53
CONTRACT NO. 63645				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

Wang Engineering, Inc.
 Consulting Geotechnical and
 Environmental Engineers
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG HA-01

WEI Job No.: 412-01-01

Client: **Wills Burke Kelsey Associates**
 Project: **Burr Road (TR 194) Bridge over Ferson Creek**
 Location: **Ferson Creek, Kane County, IL**

Datum: NGVD
 Elevation: ft
 North: 1928853.40 ft
 East: 976408.87 ft
 Station:
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	Brown SANDY LOAM (Easy Penetration)			1	PUSH	NP	65								
	Gray LOAM (Medium Penetration) -L _L = NP, P _L = NP-- -% Gravel = 0.0%-- -% Sand = 69.8%-- -% Silt and Clay = 30.2%-- D ₅₀ = 0.131 mm			2	PUSH	NP	21								
		5		3	PUSH	NP	18								
	Gray SANDY LOAM (Medium to Hard Penetration)			4	PUSH	NP	19								
	Brown SANDY LOAM, trace gravel (Medium Penetration)			5	PUSH	NP	15								
	Brown SAND and GRAVEL (Hard Penetration) SAMPLER REFUSAL AT 10' 4" Boring terminated at 10.33 ft	10		6	PUSH	NP	12								

GENERAL NOTES

Begin Drilling: **06-05-2009** Complete Drilling: **06-05-2009**
 Drilling Contractor: **GBE** Drill Rig: **Hand Auger**
 Driller: **G&F** Logger: **F. Borzga** Checked by: **N. Davis**
 Drilling Method: **Jack Hammer Driven Geoprobe; Continuous Sampling**

WATER LEVEL DATA

While Drilling: **Stream Bed**
 At Completion of Drilling: **Stream Bed**
 Time After Drilling: **NA**
 Depth to Water: **NA**
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

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 Consulting Geotechnical and
 Environmental Engineers
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG RB-01

WEI Job No.: 412-01-01

Client: **Wills Burke Kelsey Associates**
 Project: **Burr Road (TR 194) Bridge over Ferson Creek**
 Location: **Ferson Creek, Kane County, IL**

Datum: NGVD
 Elevation: ft
 North: 1928955.55 ft
 East: 976414.62 ft
 Station:
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type recovery	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
	6-inch thick ASPHALT -PAVEMENT-			1	4	1.50	20								
	Stiff, gray CLAY LOAM -FILL-			2	3	NP	13								
	Loose, gray LOAM -FILL-			3	1	NP	113								
	Very loose, black LOAM, with organic matter -POSSIBLE BURIED TOPSOIL-			4	8	0.25	15								
	Soft, black CLAY LOAM, little gravel			5	9	NP	10								
	Medium dense, brown SAND			6	10										
	Boring terminated at 10.00 ft	10		7											

GENERAL NOTES

Begin Drilling: **05-11-2009** Complete Drilling: **05-11-2009**
 Drilling Contractor: **WTS** Drill Rig: **Mobil B-57 TMR**
 Driller: **J&K** Logger: **B. Wilson** Checked by: **N. Davis**
 Drilling Method: **4.25-inch HSA; 140 lb Mobil Automatic Hammer; backfilled upon completion**

WATER LEVEL DATA

While Drilling: **DRY**
 At Completion of Drilling: **DRY**
 Time After Drilling: **NA**
 Depth to Water: **NA**
 The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

FILE NAME = W:\Projects\2010\100225 BurrFerson\Need\Cv\1\Draw\Sht\BLDG.DWG.dgn

WILLS BURKE KELSEY ASSOCIATES LTD.
 116 West Main Street, Suite 201
 St. Charles, Illinois 60174
 (630) 443-7755

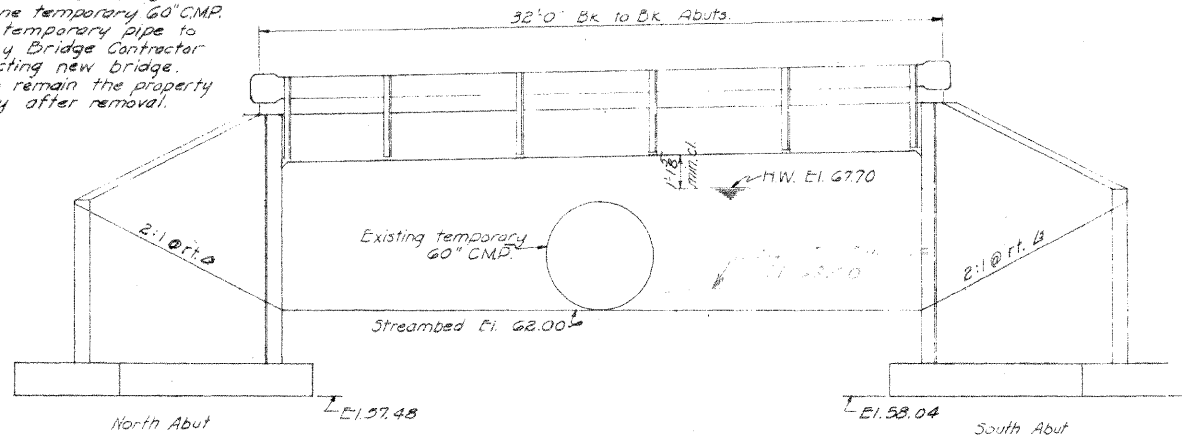
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

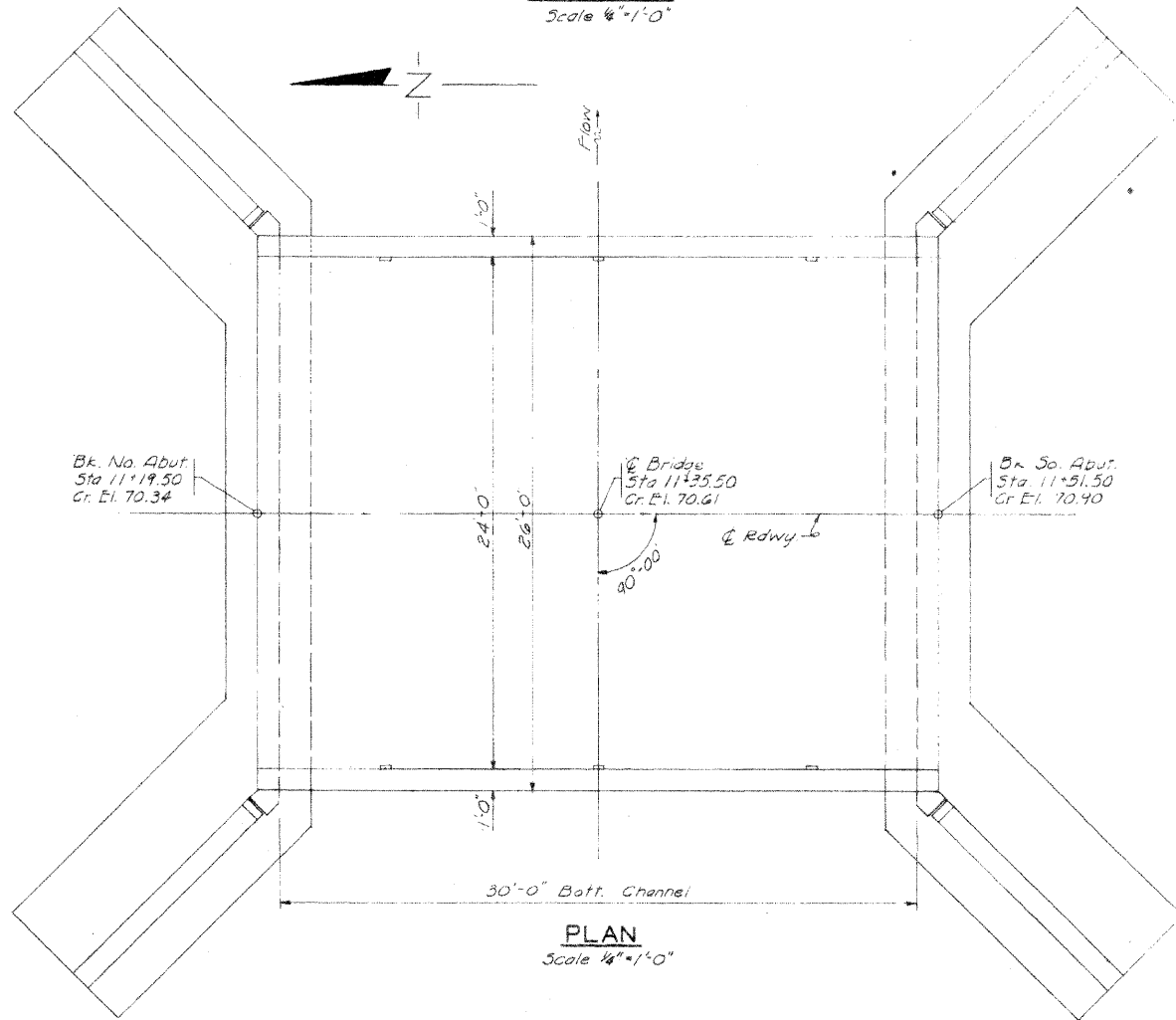
ROADWAY BORING LOG

SCALE:	SHEET NO. 54 OF 76 SHEETS	STA. TO STA.	TOWNSHIP RTE. 194	SECTION 08-14117-00-BR	COUNTY KANE	TOTAL SHEETS 76	SHEET NO. 54
			FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
			CONTRACT NO. 63645				

BM Spike in North Root 24" Oak
60' Left of Sta. 11+83. El. 68.29
Existing Structure: Two concrete
abutments & one temporary 60" CMP.
Abutments and temporary pipe to
be removed by Bridge Contractor
before constructing new bridge.
Existing CMP to remain the property
of Kane County after removal.



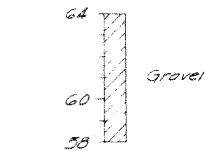
ELEVATION
Scale 1/4" = 1'-0"



PLAN
Scale 1/4" = 1'-0"

WATERWAY DATA

Drainage Area 7905 Acres
Opening Reg'd 170 Sq. Ft.
Present Opening 20 Sq. Ft.
Proposed Opening 171 Sq. Ft.

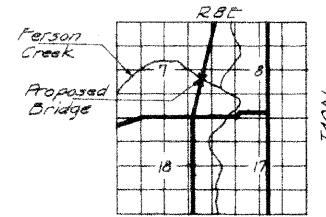


BORING DATA

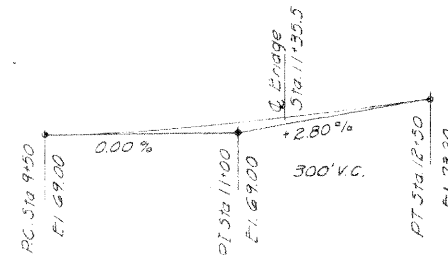
STATION 11+35.50
PERSON CREEK
BURR BRIDGE BUILT 195
ST. CHARLES TWP.
KANE COUNTY
LOADING M13-512

LETTERING FOR NAME PLATE

See Std. 213



LOCATION SKETCH



CURVE DATA

TOTAL BILL OF MATERIAL

Item	Super	Sub	Total
Class X Concrete	Cu Yds 43.8	70.2	114.0
Reinforcement Bars	Lbs 10220	5520	15740
Metal Plate Bridge Rail	Lm. Ft. 58		58
Name Plates	Ea. 1		1
Removal of Existing Structures	Ea. 1		1
Class A Excavation	Cu Yds	150	150
Class B Excavation	Cu Yds.	200	200

DESIGN STESSES

$f_c = 20,000$ psi
 $f_s = 14,000$ psi super
 $f_s = 10,000$ psi sub
 $n = 10$

Loading M13-512-44

**GENERAL PLAN & ELEVATION
BURR BRIDGE**

STA. 11+35.50
ST. CHARLES TOWNSHIP
KANE COUNTY

HANSON, COLLINS & RICE
CONSULTING ENGINEERS

DESIGNED: APE CHECKED: YFS
DRAWN: QPC DATE: 2-24-59 NO. B-58-44

SHEET 1 OF 3 3079

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WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174
(630) 443-7755

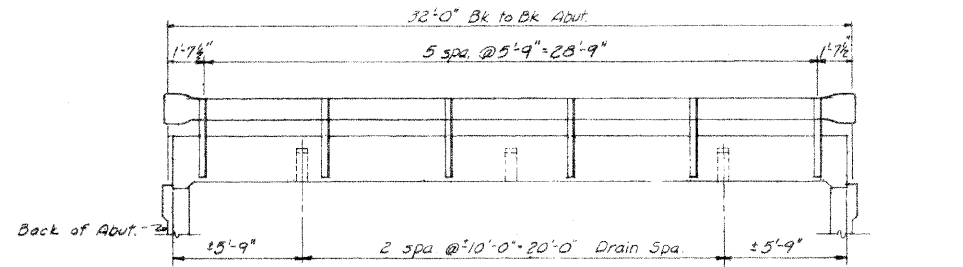
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	DATE - 10/24/11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

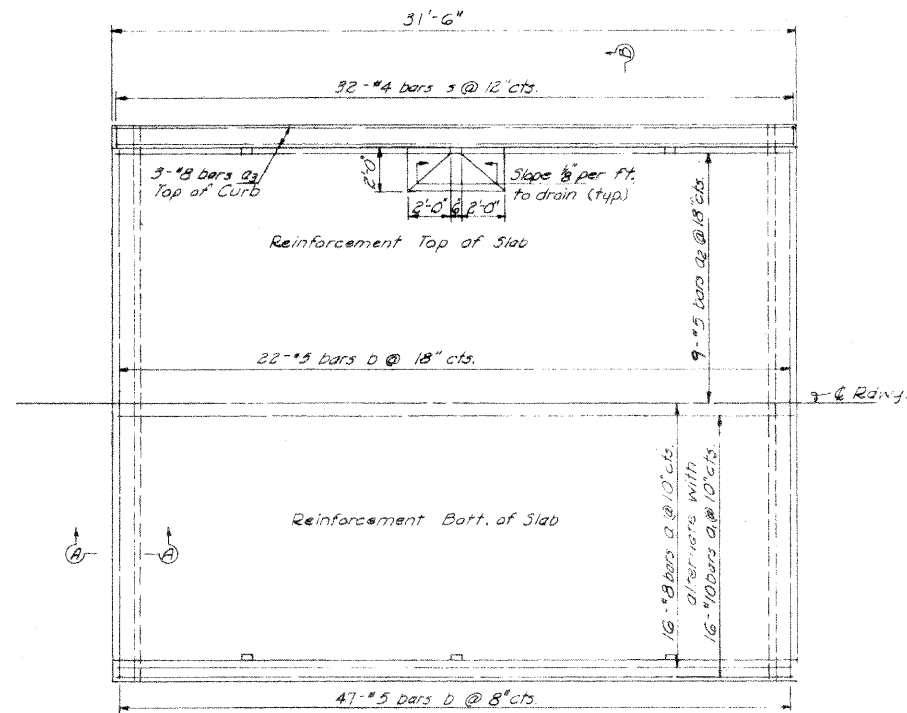
**EXISTING STRUCTURE PLANS
FOR REFERENCE ONLY**

SCALE:	SHEET NO. 55 OF 76 SHEETS	STA.	TO STA.
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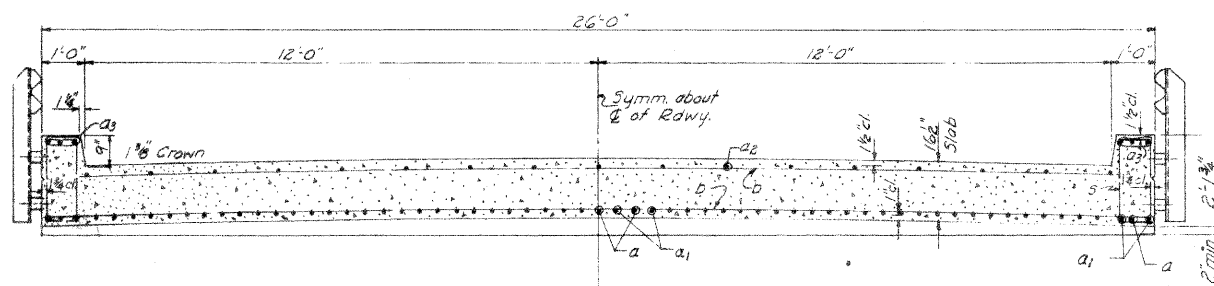
TOWNSHIP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	55
CONTRACT NO. 63645				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



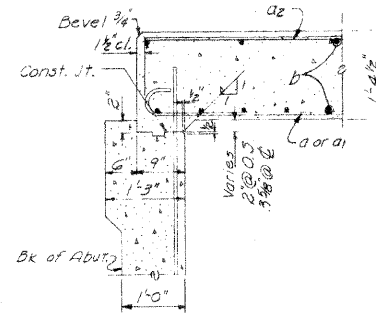
ELEVATION



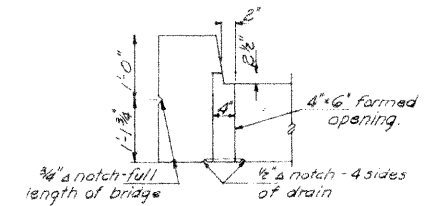
PLAN



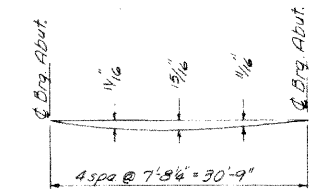
SECTION B-B



SECTION A-A

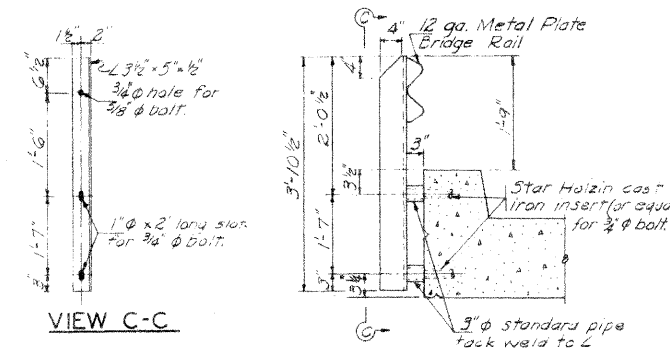


DRAIN DETAILS



D.L. DEFLECTION DIAGRAM

In addition to D.L. Deflection the Contractor shall make allowance for shrinkage & settlement of falsework.

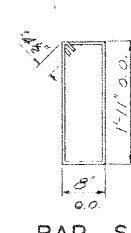


VIEW C-C

HANDRAIL DETAILS

BILL OF MATERIAL SUPERSTRUCTURE

Bar	No	Size	Length	Straps
a	31	#8	33'-5"	
a1	32	#10	31'-2"	
a2	17	#5	31'-3"	
a3	6	#8	31'-3"	
b	69	#5	25'-8"	
s	64	#4	5'-11"	F1
Glass & Concrete			Cu Yds.	49.8
Reinforcement Bars			Lbs.	10,220
Metal Plate Bridge Rail			Lin Ft	58



BAR S



BAR a

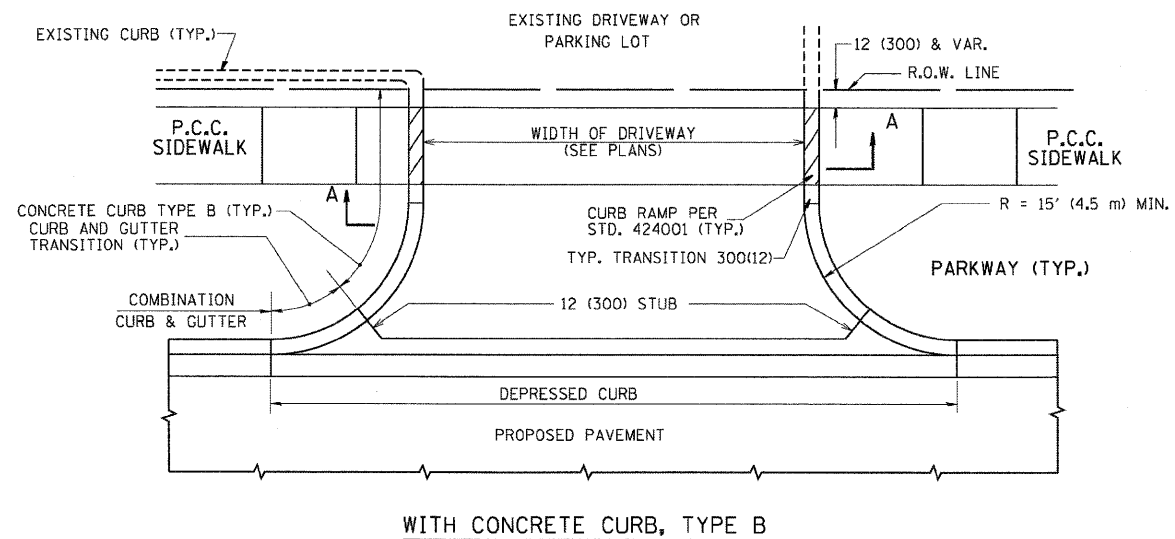
**SLAB
BURR BRIDGE**

STA. 11+35.50
ST. CHARLES TOWNSHIP
KANE COUNTY

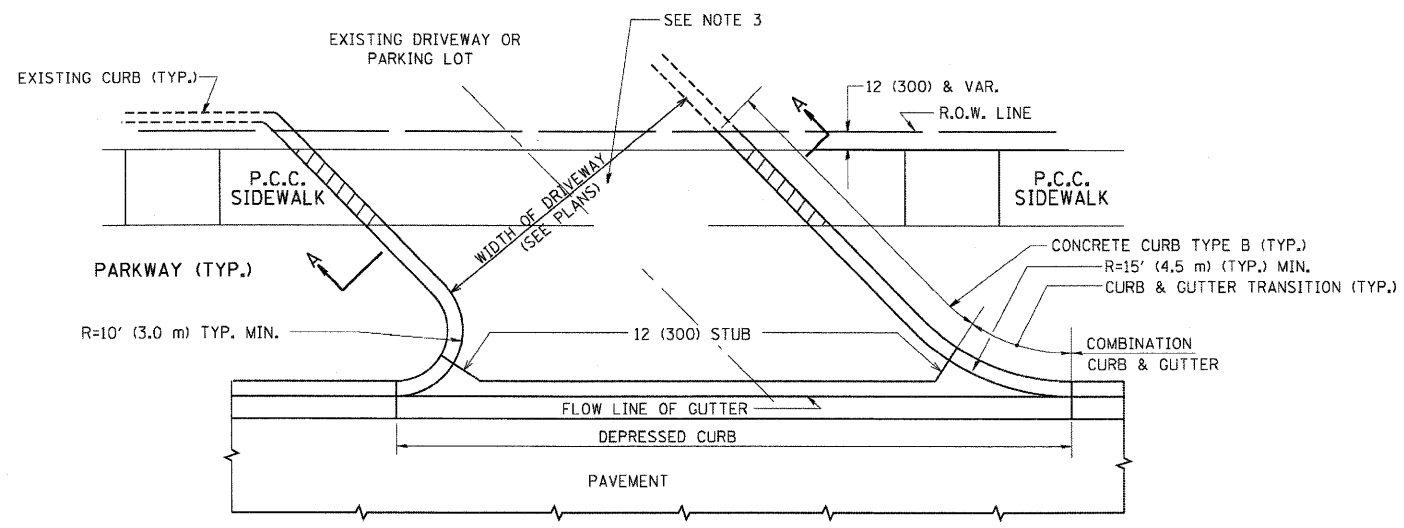
HANSON, COLLINS & RICE
CONSULTING ENGINEERS

DESIGNED: ACE CHECKED: R.D.C.
DRAWN: ACE DATE: 2-24-59 NO. B-58-44

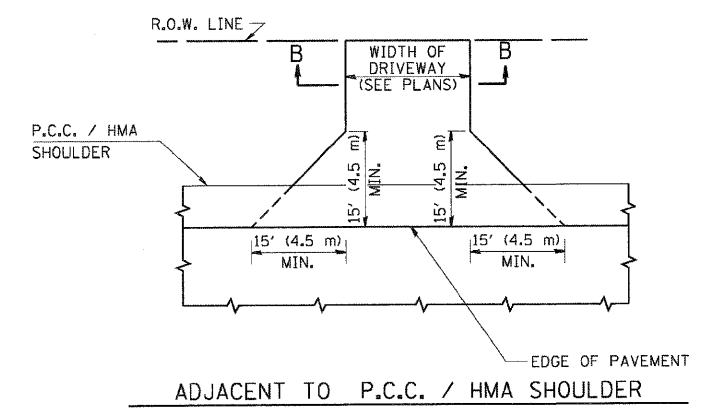
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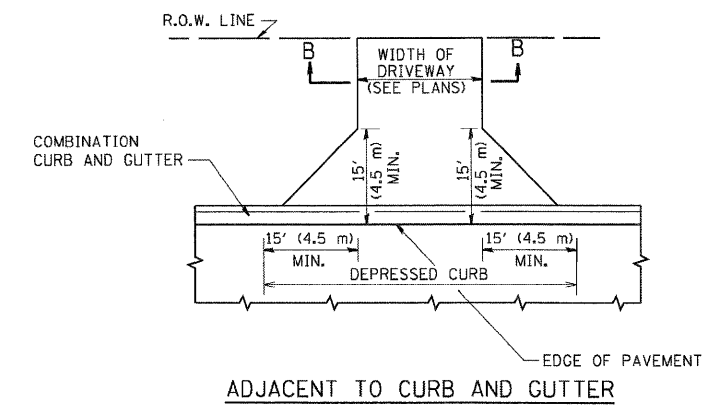
WITH CONCRETE CURB, TYPE B



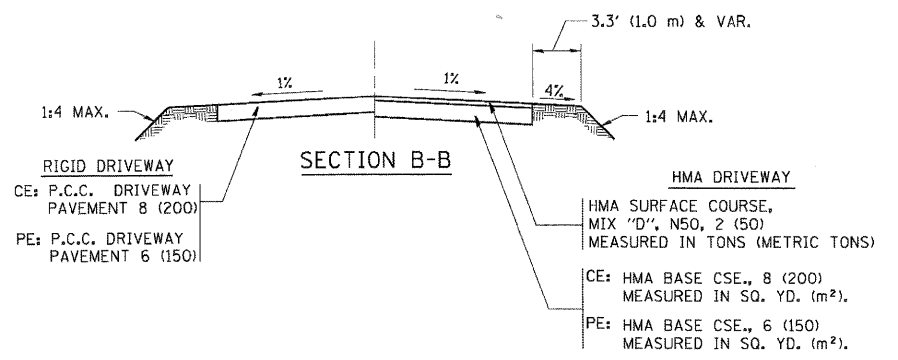
WITH CONCRETE CURB, TYPE B



ADJACENT TO P.C.C. / HMA SHOULDER



ADJACENT TO CURB AND GUTTER



RURAL FIELD ENTRANCE (FE)
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 AGGREGATE BASE CSE., TYPE B, 8 (200)
 MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

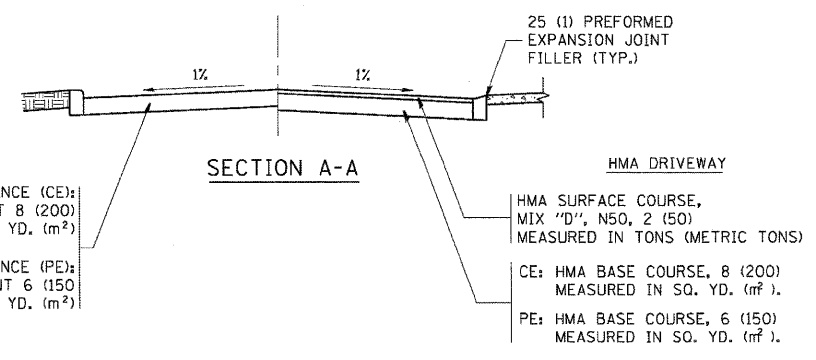
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



RIGID DRIVEWAY
 COMMERCIAL ENTRANCE (CE):
 P.C.C. DRIVEWAY PAVEMENT 8 (200)
 MEASURED IN SQ. YD. (m²)
 NON-COMMERCIAL ENTRANCE (PE):
 P.C.C. DRIVEWAY PAVEMENT 6 (150)
 MEASURED IN SQ. YD. (m²)

HMA DRIVEWAY
 HMA SURFACE COURSE,
 MIX "D", N50, 2 (50)
 MEASURED IN TONS (METRIC TONS)
 CE: HMA BASE COURSE, 8 (200)
 MEASURED IN SQ. YD. (m²).
 PE: HMA BASE COURSE, 6 (150)
 MEASURED IN SQ. YD. (m²).

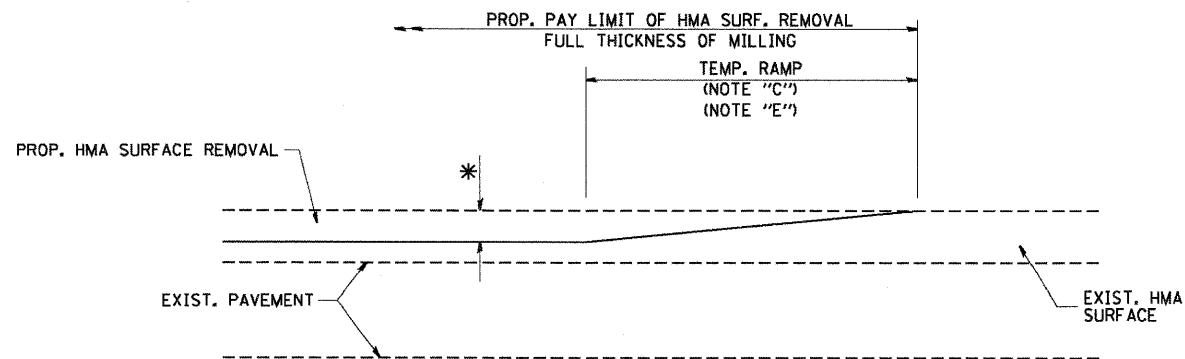
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PLOT SCALE = 50.0000' / 1"		CHECKED -	REVISED - R. BORO 06-11-08
PLOT DATE = 10/29/2011		DATE - 11-04-95	REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

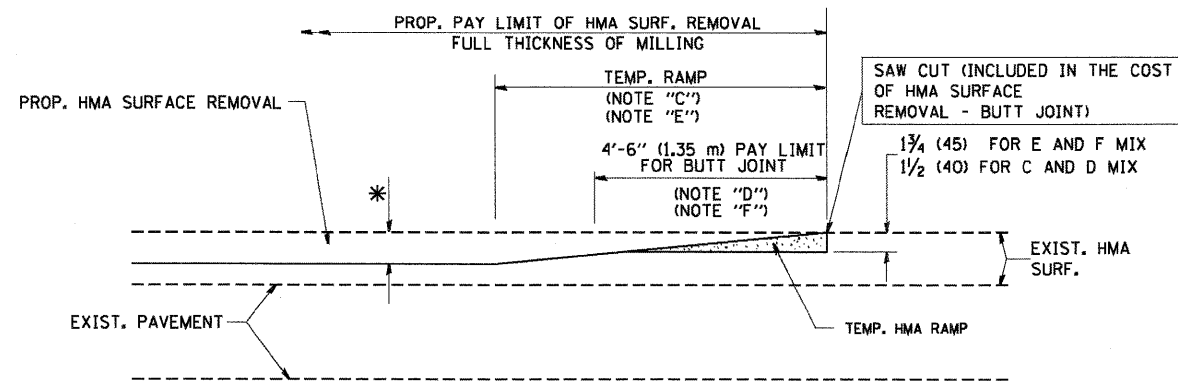
DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	
SCALE: NONE	SHEET NO. 88 OF 176 SHEETS
STA.	TO STA.

F.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	58
BD0156-07 (BD-01)			CONTRACT NO. 63645	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

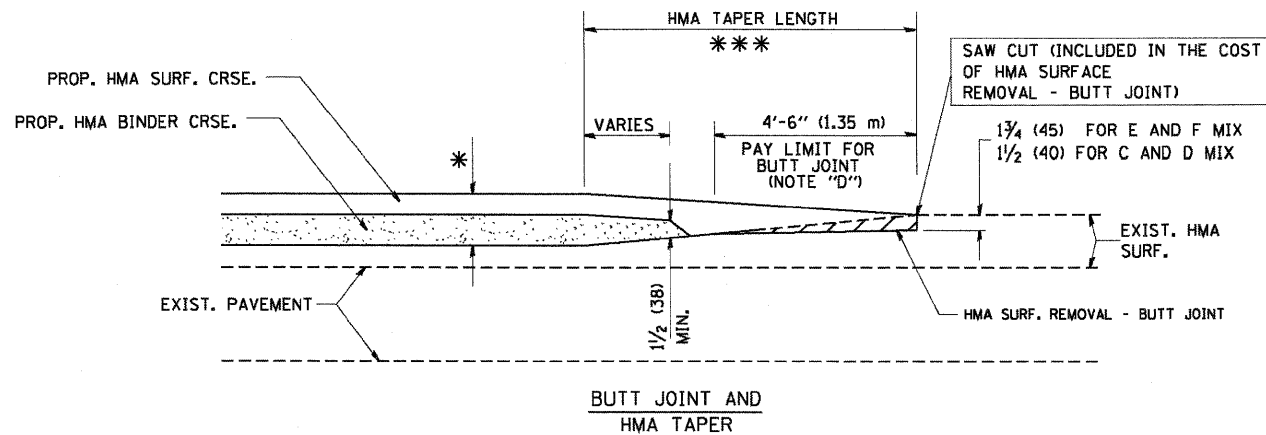
OPTION 1



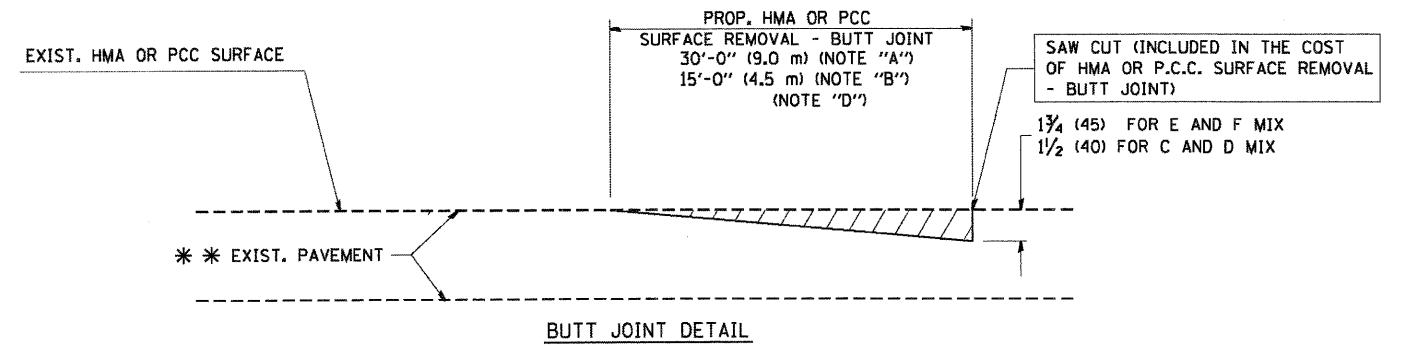
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

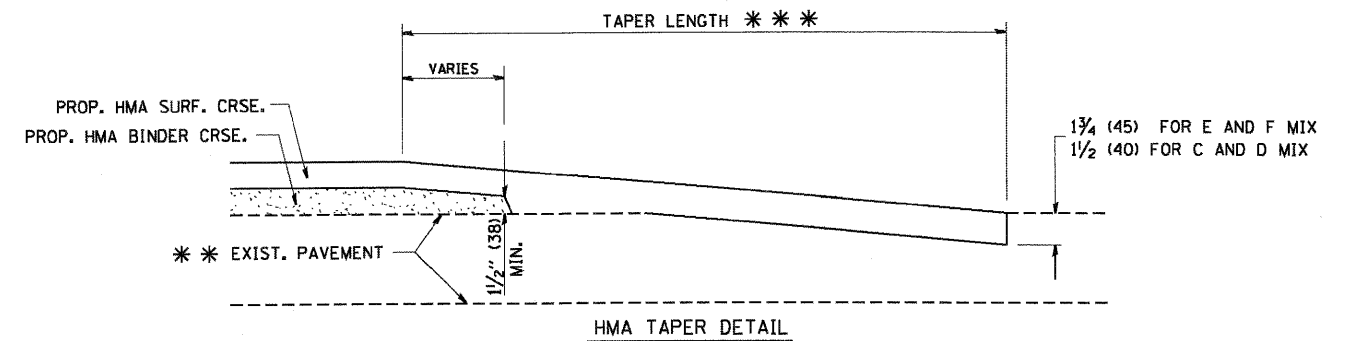
TYPICAL TEMPORARY RAMP



**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



HMA TAPER DETAIL

**TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY**

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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

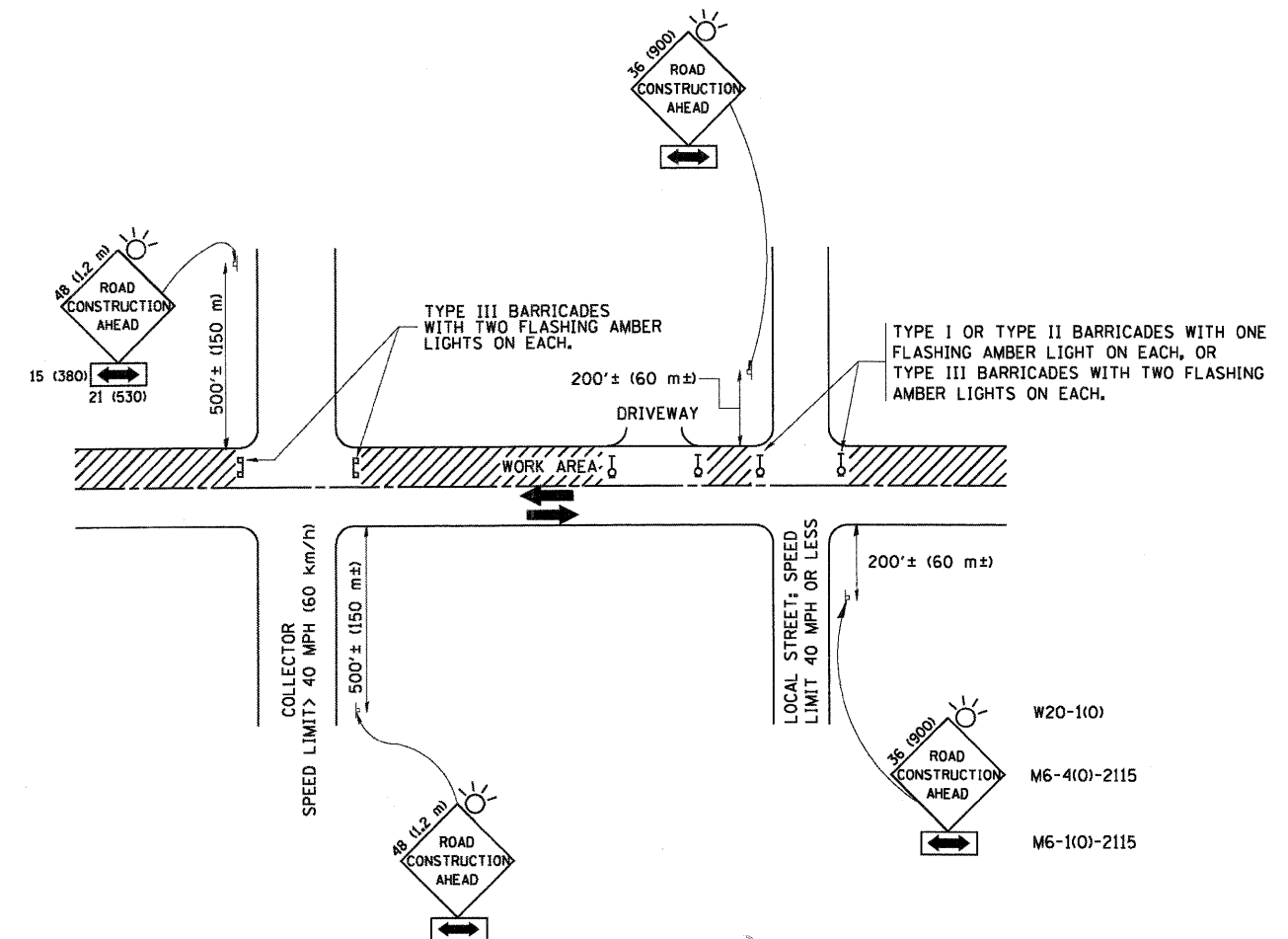
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W:\diststd\22x34\bd32.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 10/19/2011	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 59 OF 76 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	59
BD400-05 BD32			CONTRACT NO. 63645	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

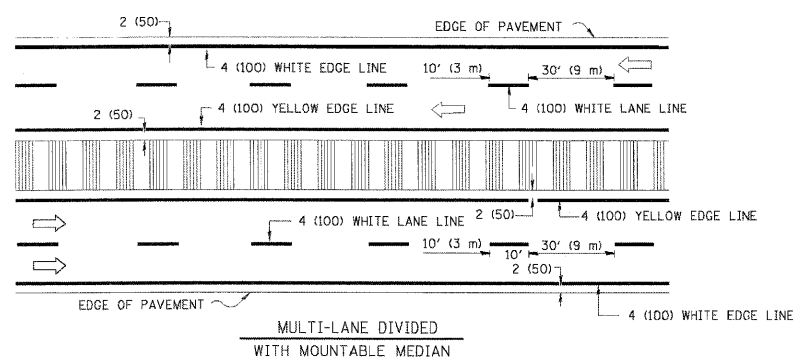
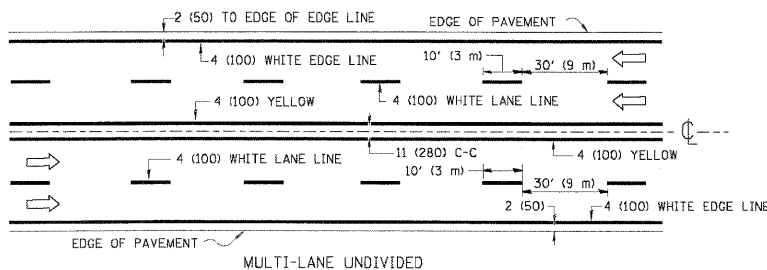
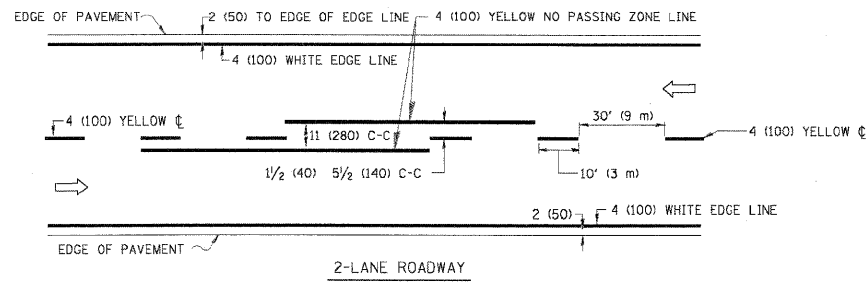
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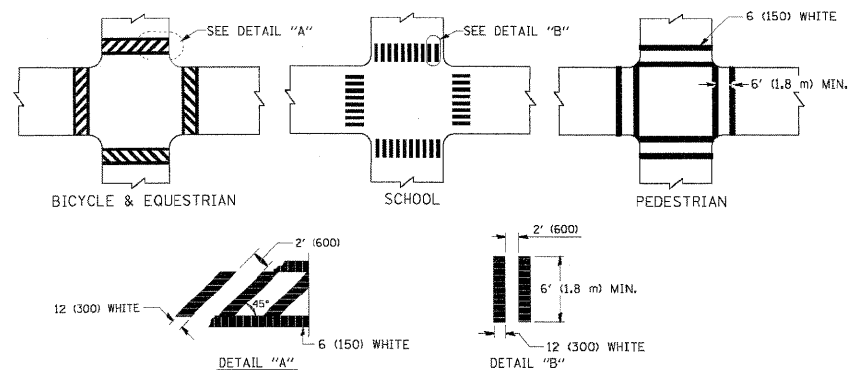
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	
SCALE: NONE	SHEET NO. 61 OF 76 SHEETS
STA.	TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	61
TC-10		CONTRACT NO. 63645		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

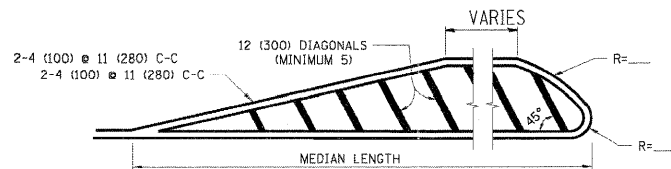
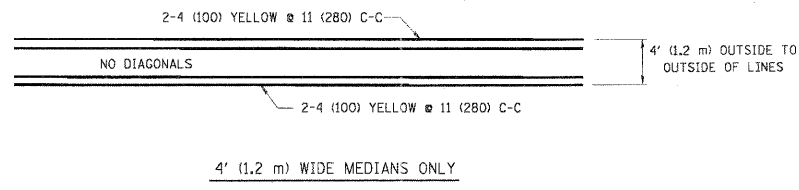


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

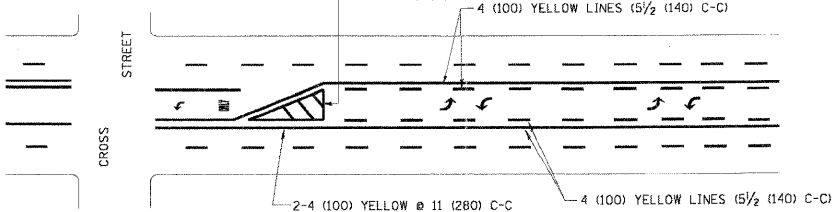


TYPICAL CROSSWALK MARKING



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

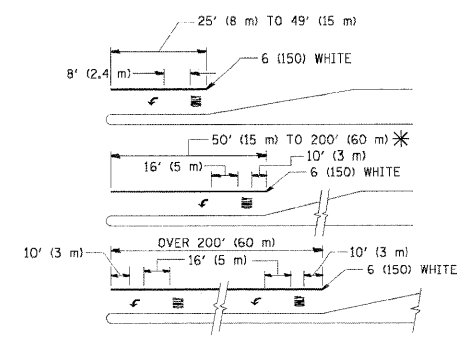


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

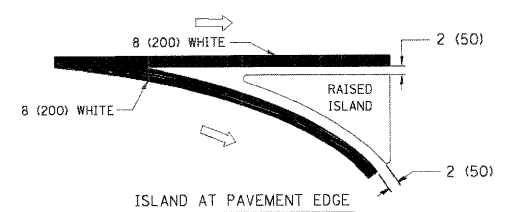
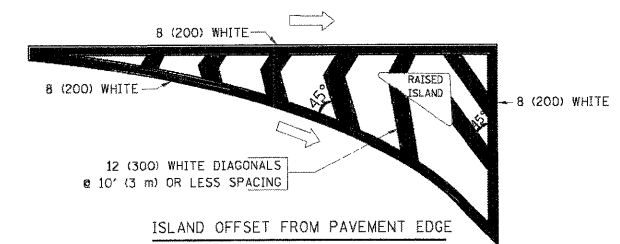
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8" (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES: "RR" IS 6" (1.8 m) LETTERS: 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

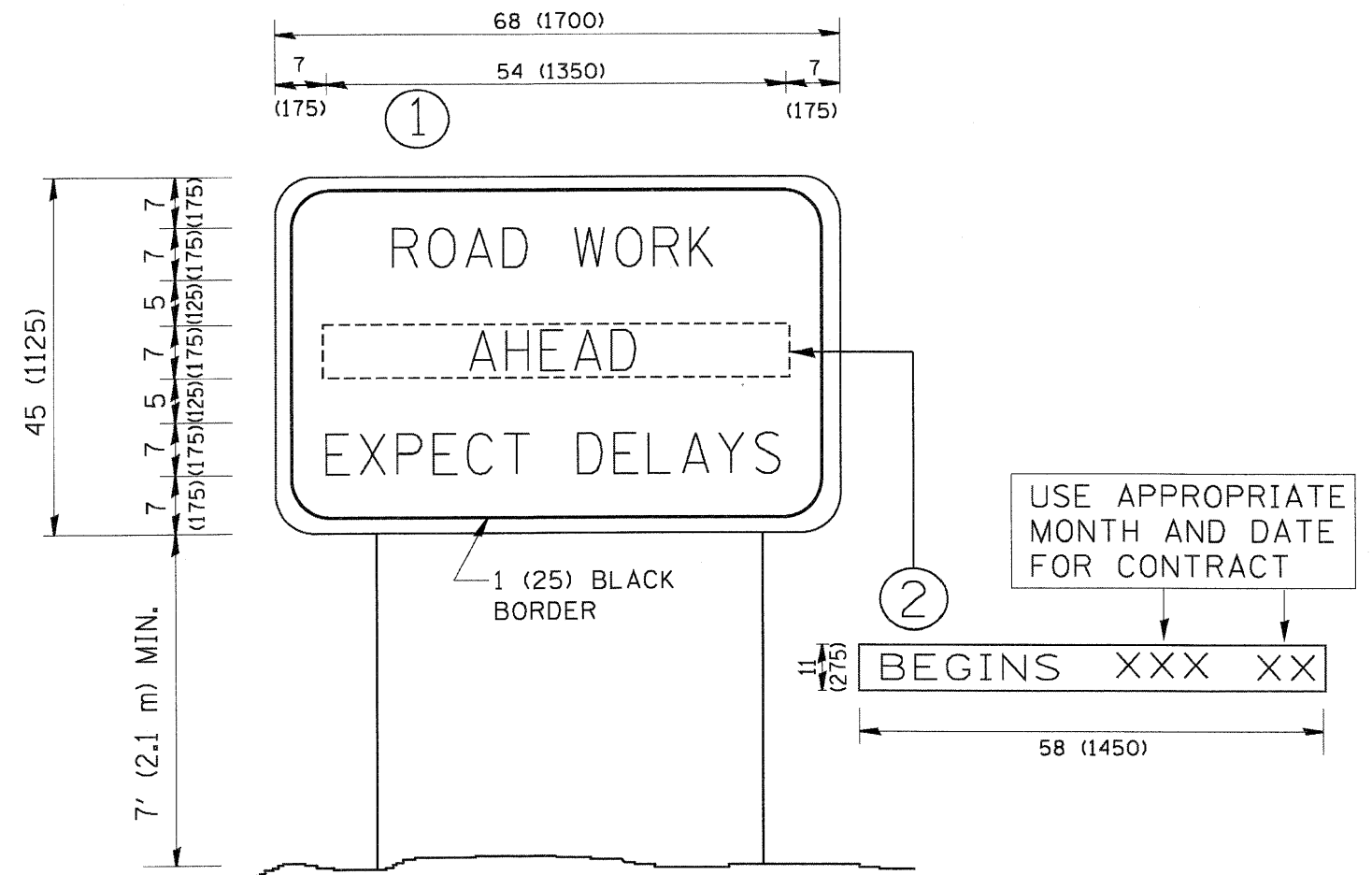
All dimensions are in Inches (millimeters) unless otherwise shown.

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		194	08-14117-00-BR	KANE	76	62
SCALE: NONE		TC-13		CONTRACT NO. 63645		
SHEET NO. 62 OF 76 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

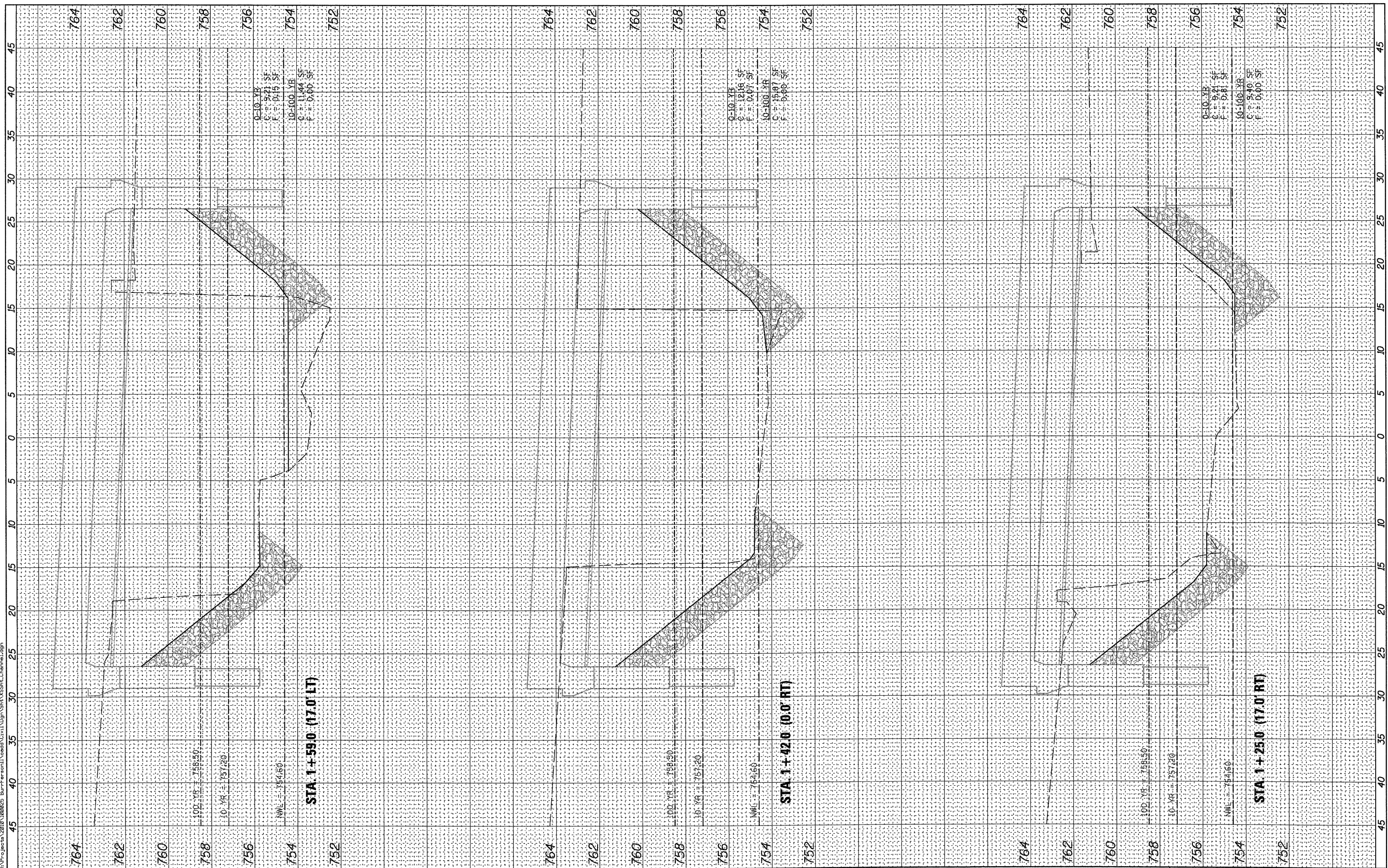
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STA.	TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	63
TC-22			CONTRACT NO. 63645	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
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NOTE BOOK	PLOTTED		
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WBK WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

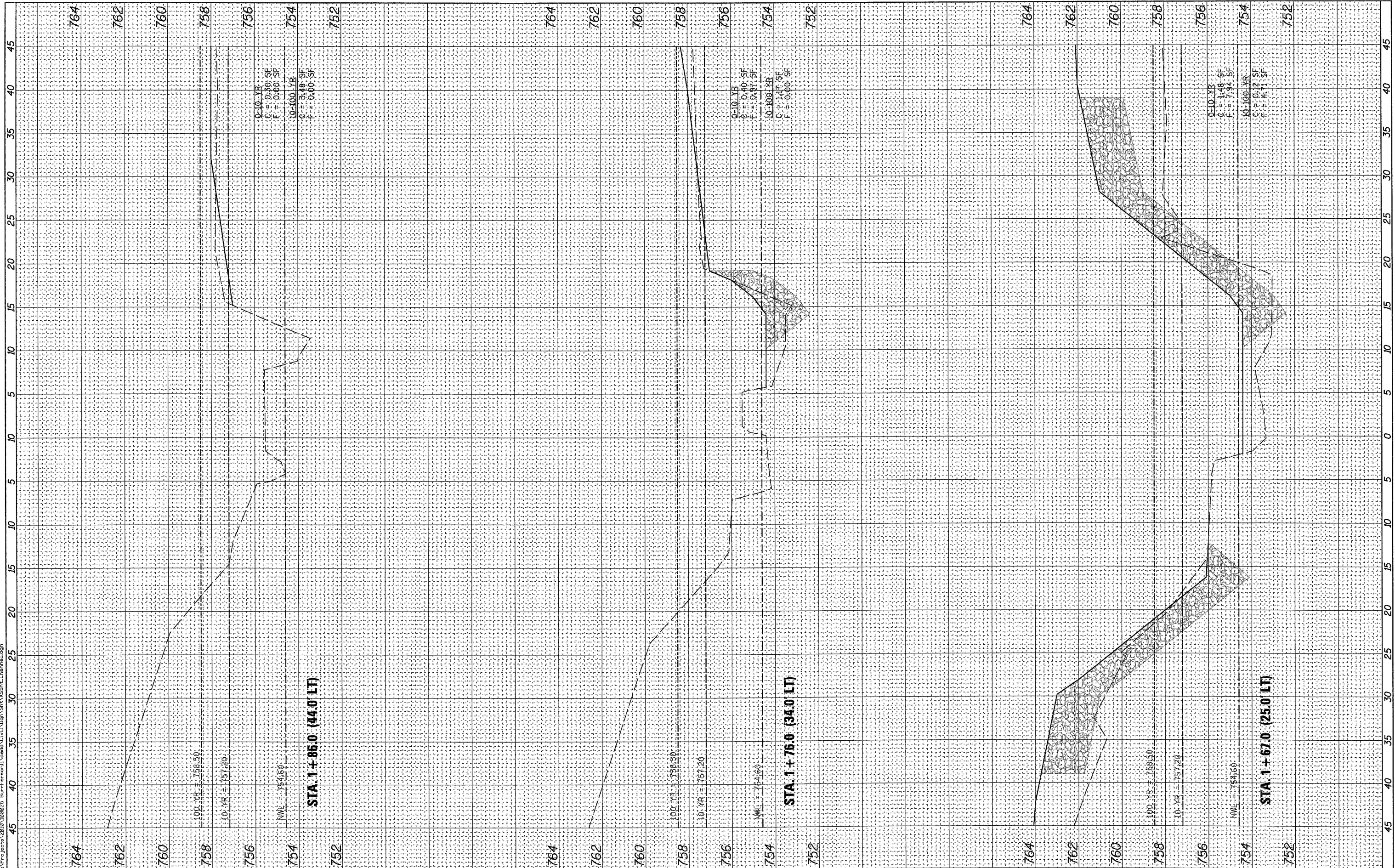
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CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	FLOTTED	
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	AREAS CHECKED	

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

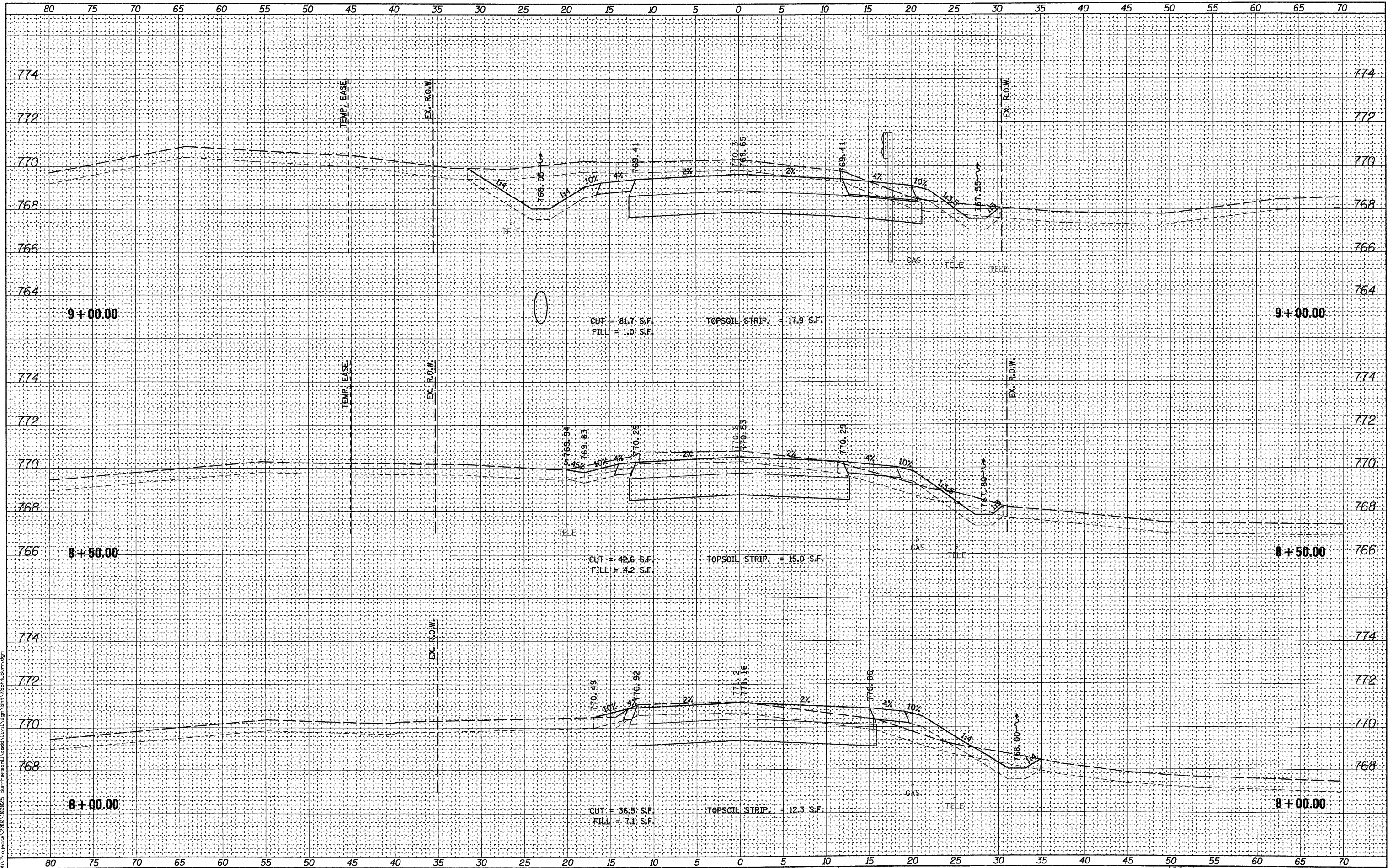
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194	08-14117-00-BR	KANE	76	66
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 63645				

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BY	
SURVEYED	
PLOTTED	
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AREAS CHECKED	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
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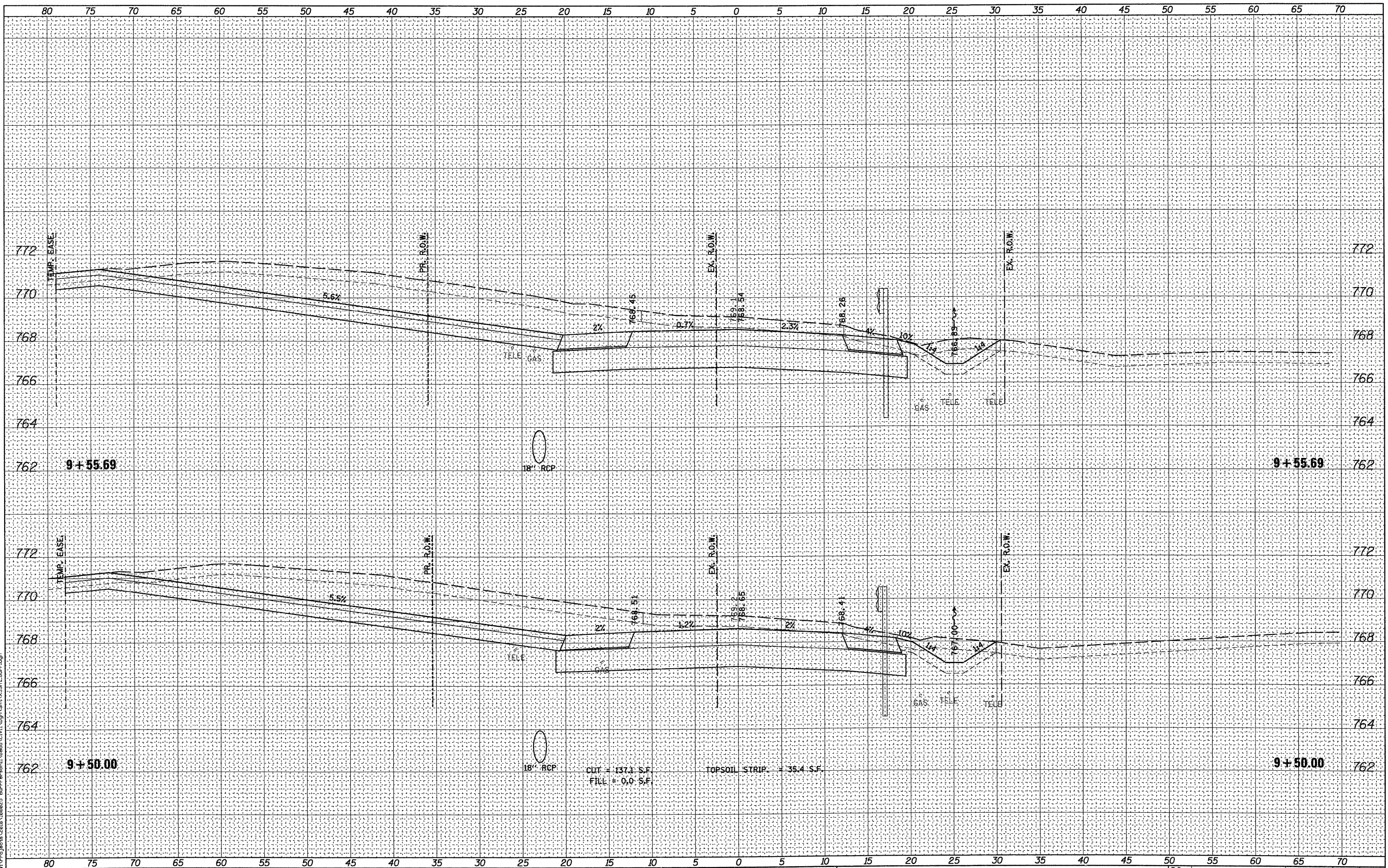
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	67
FED. ROAD DIST. NO. 1				ILLINOIS FED. AID PROJECT
CONTRACT NO. 63645				

BY	DATE
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

BY	DATE
ORIGINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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NO.	



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DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS			
BURR ROAD			
SCALE:	SHEET NO.	OF 76 SHEETS	STA. 9+50.00 TO STA. 9+55.69

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	68
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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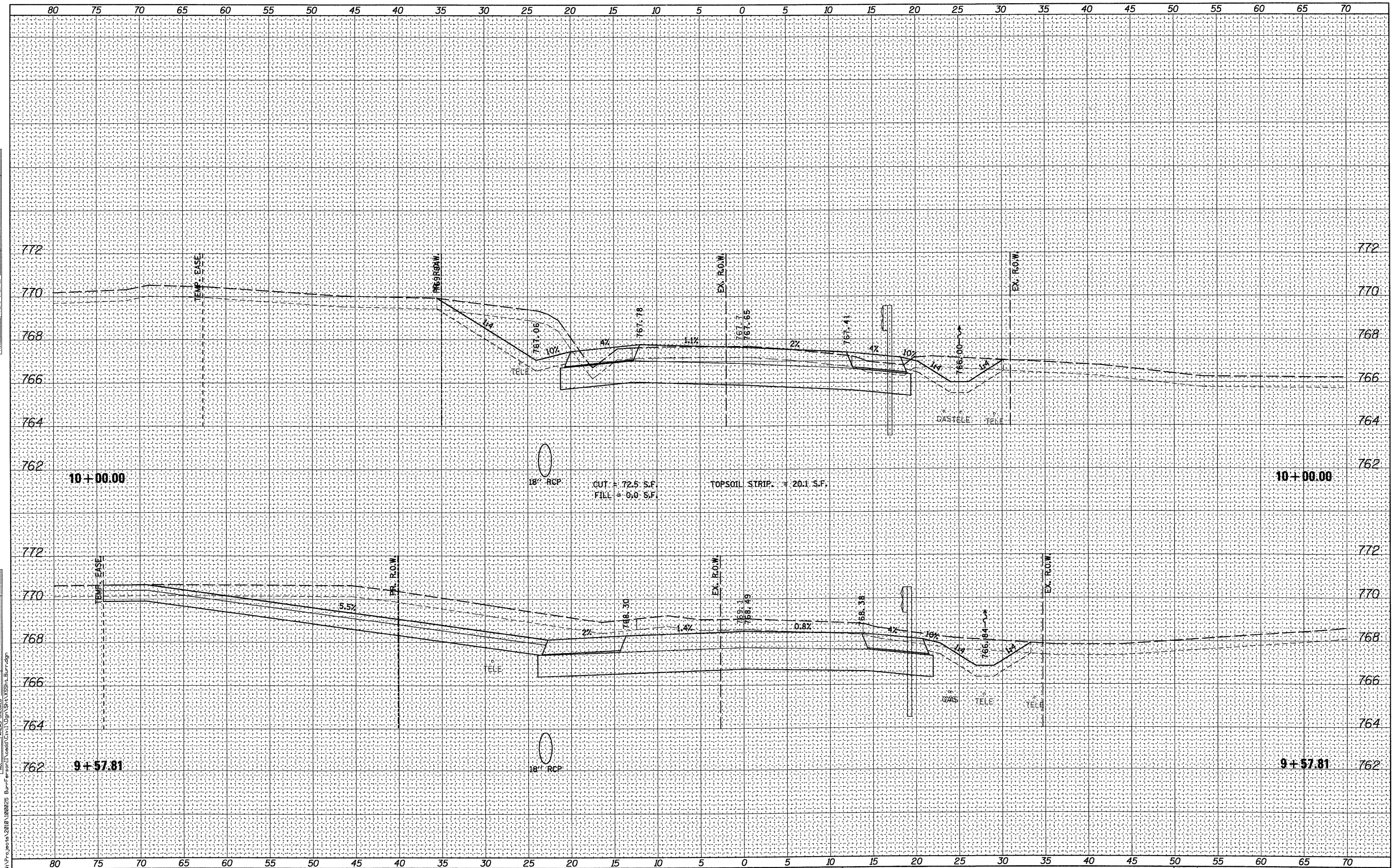
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BY	DATE
ORIGINAL SURVEY	
PLOTTED	
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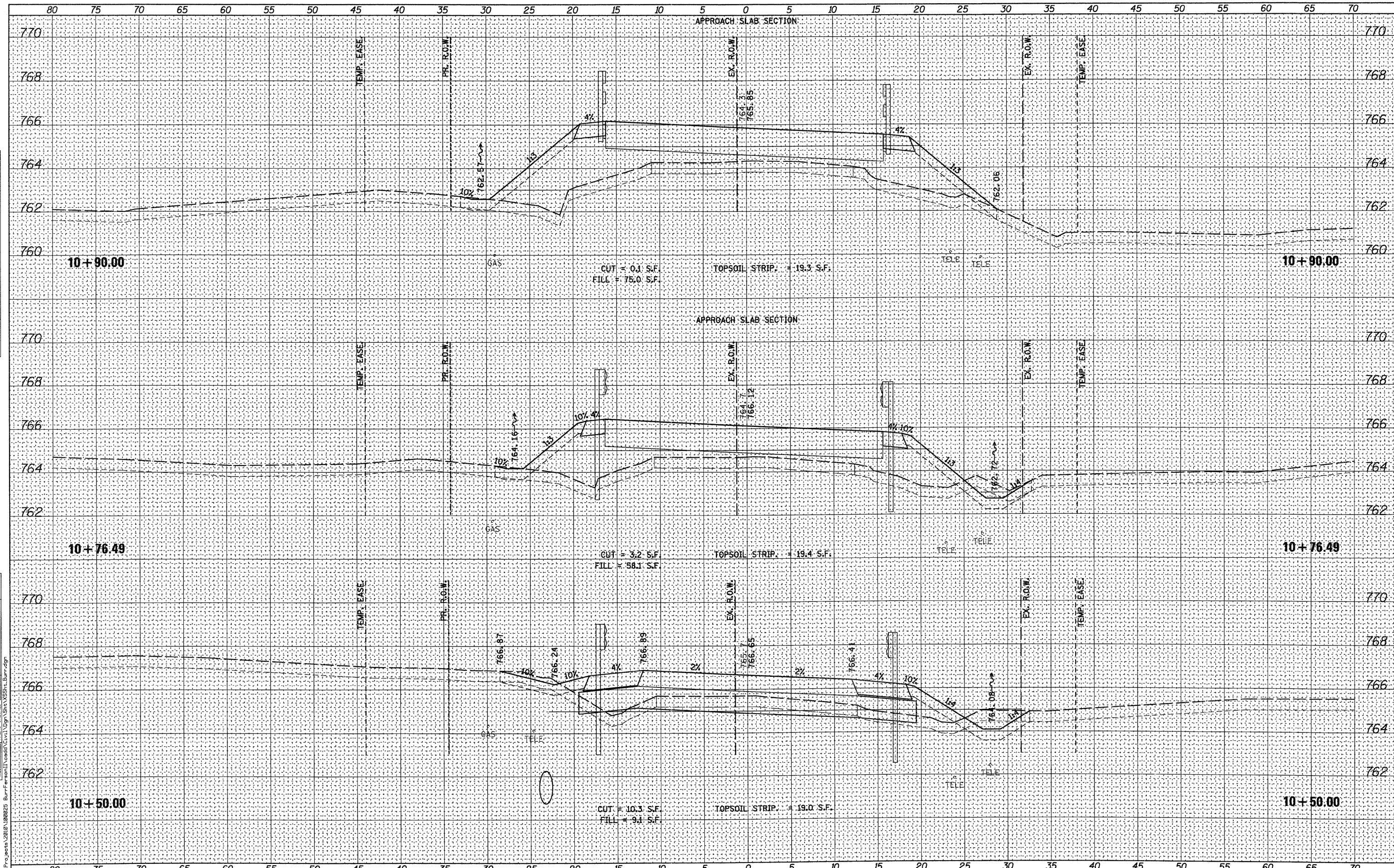
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	69
FED. ROAD DIST. NO. 1				ILLINOIS FED. AID PROJECT
CONTRACT NO. 63645				

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
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DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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 DEPARTMENT OF TRANSPORTATION**

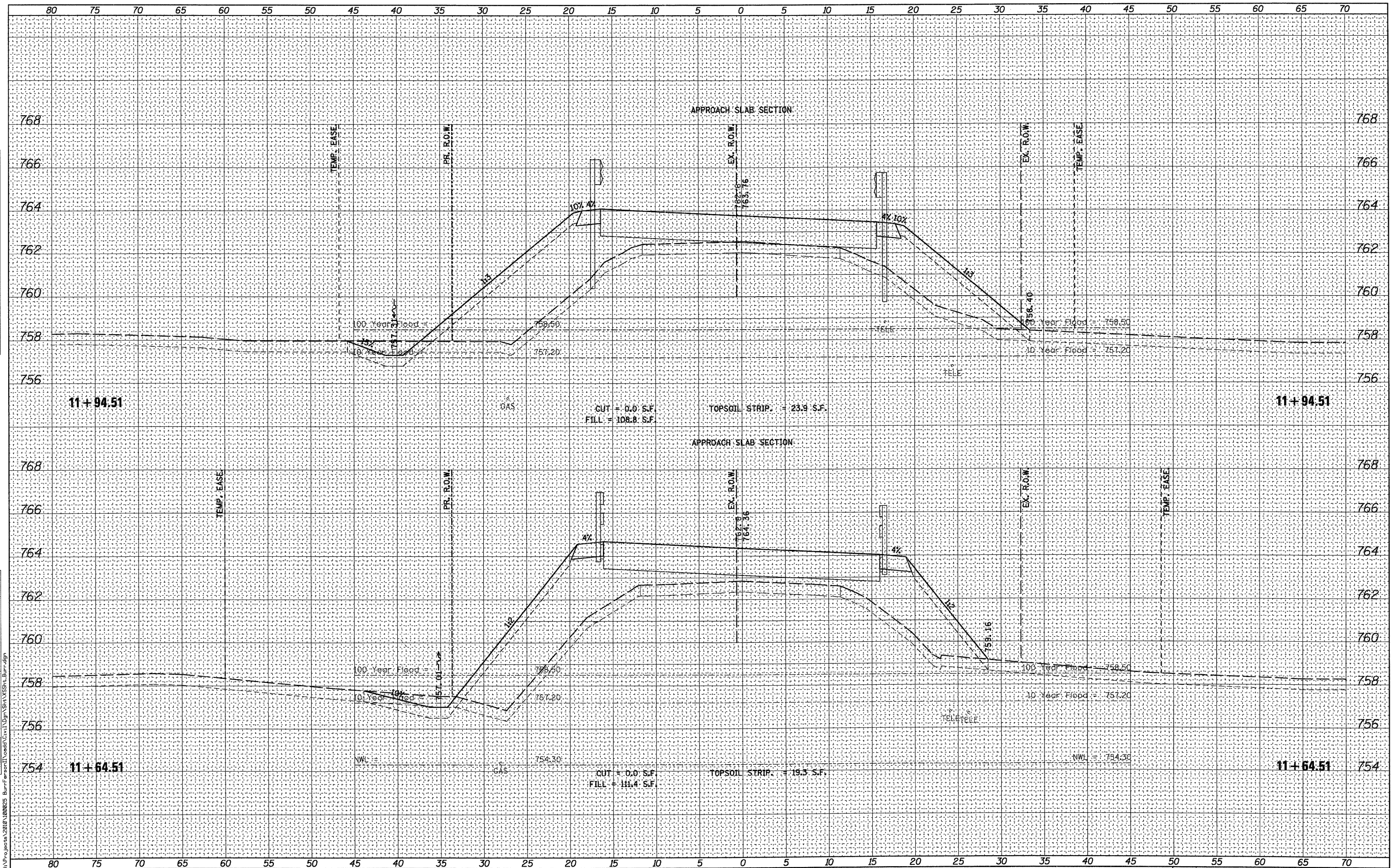
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STA. 10+50.00	TO STA. 10+90.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	70
FED. ROAD DIST. NO. 1			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63645				

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ORIGINAL SURVEY	SURVEYED	DATE
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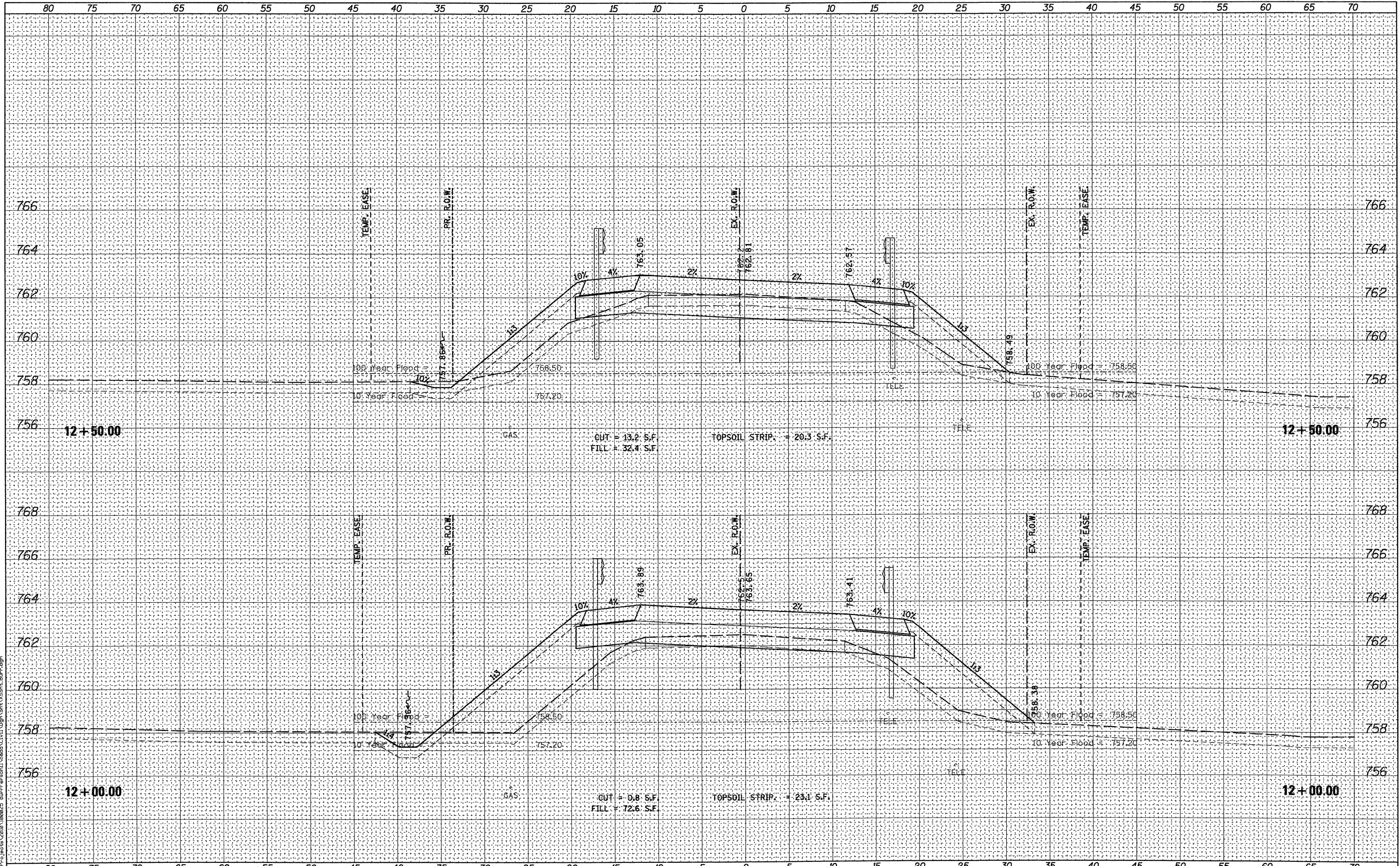
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
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T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	72
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

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



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

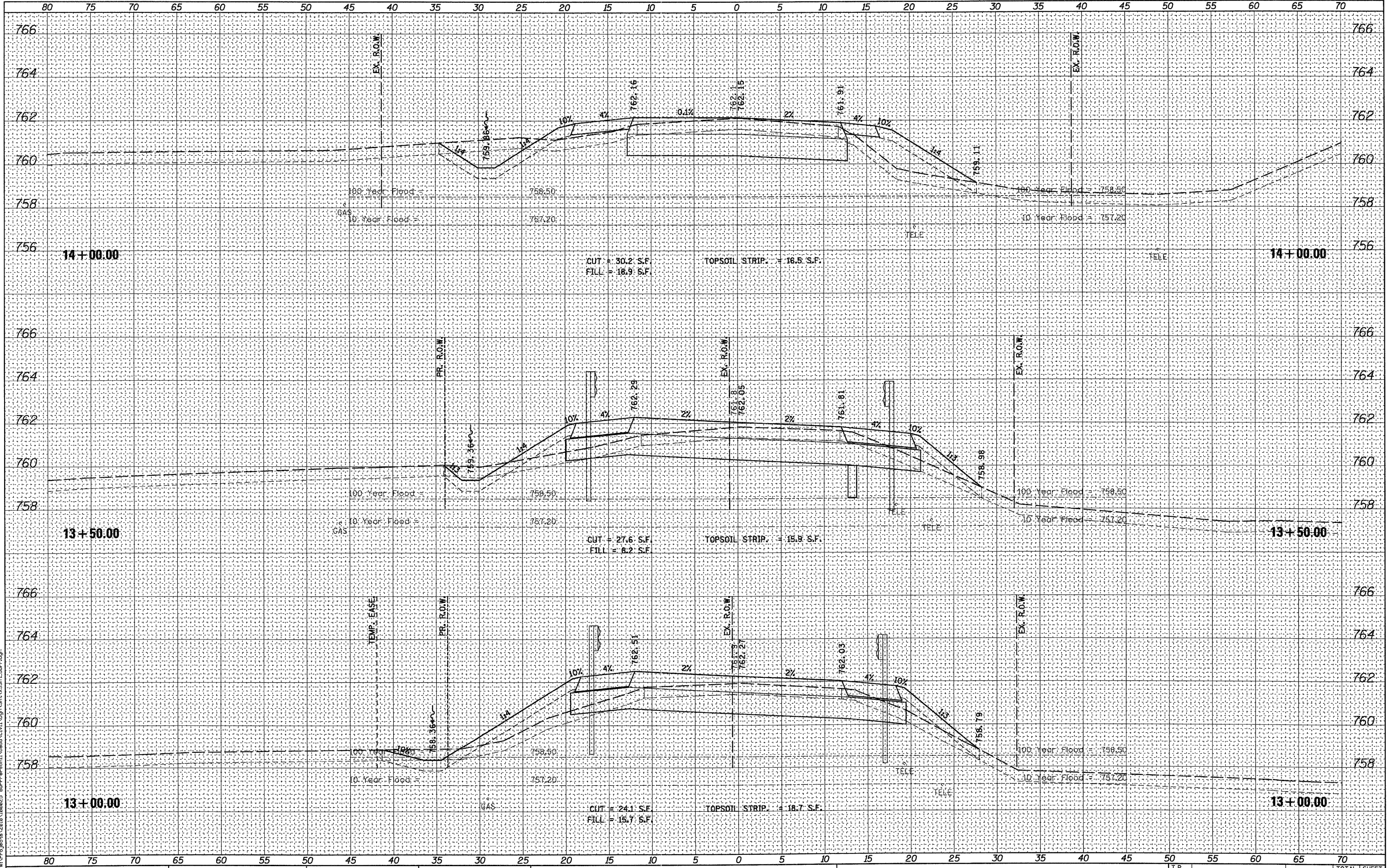
CROSS SECTIONS
 BURR ROAD

SCALE: SHEET NO. OF 76 SHEETS STA. 12+00.00 TO STA. 12+50.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	73
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63645	

DATE	
BY	
FINAL SURVEY	
NO. OF SHEETS	
DATE	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
NO. OF SHEETS	
DATE	
NO.	



WILLS BURKE KELSEY ASSOCIATES LTD.
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 St. Charles, Illinois 60114

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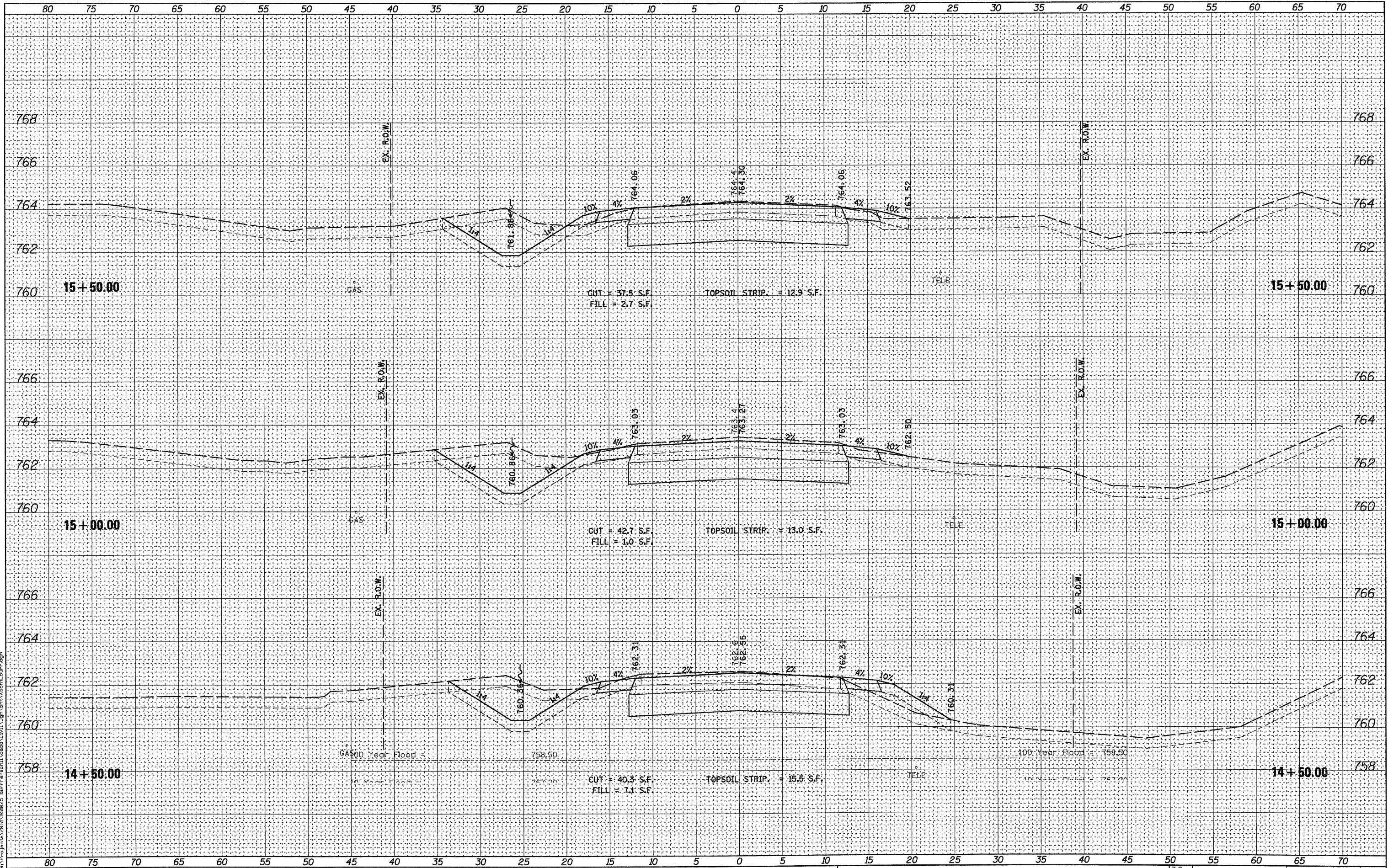
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS BURR ROAD			
SCALE:	SHEET NO.	OF 76 SHEETS	STA. 13+00.00 TO STA. 14+00.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	74
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				CONTRACT NO. 63645

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
AREAS CHECKED	TEMPLATE	
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ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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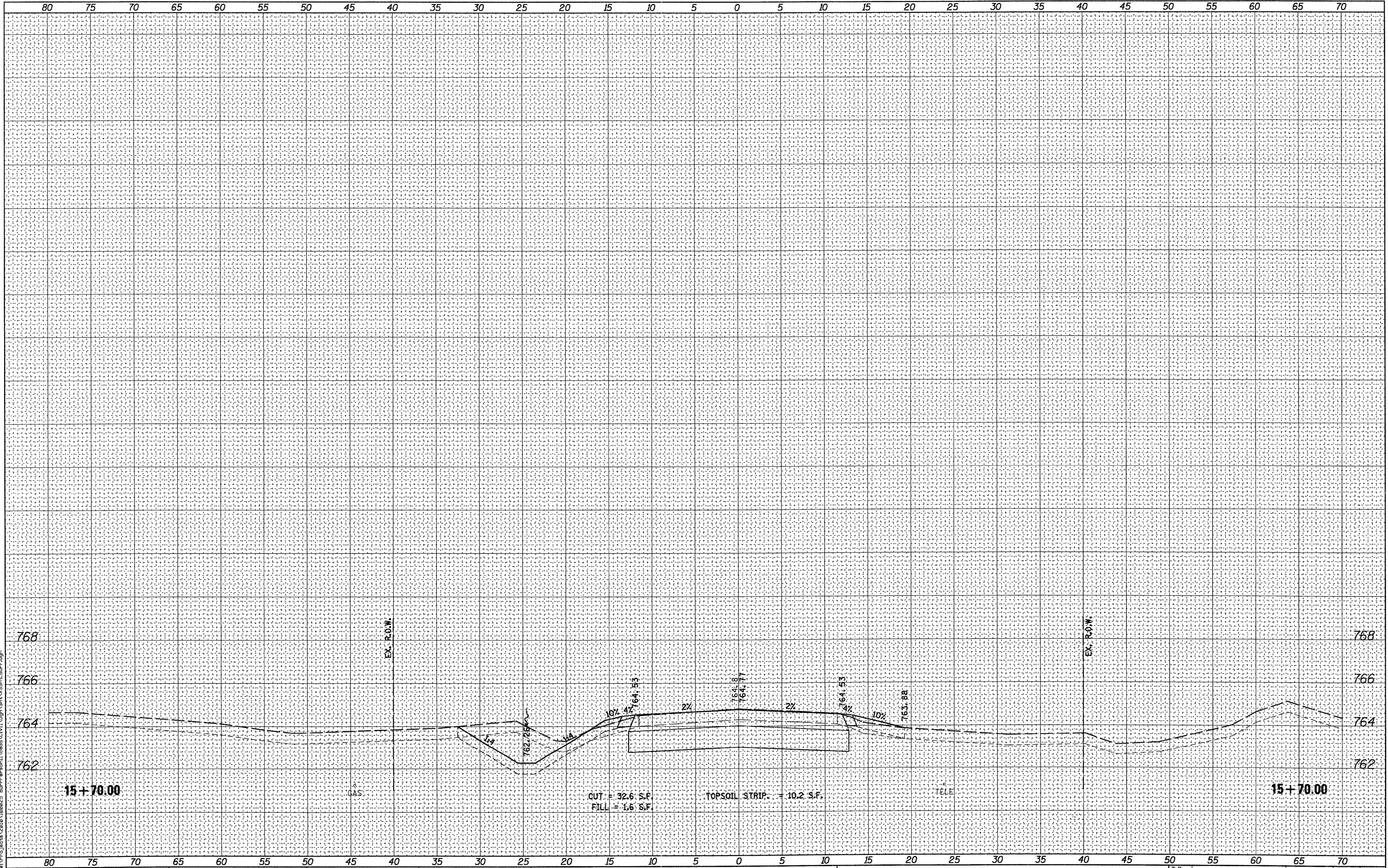
CROSS SECTIONS			
BURR ROAD			
SCALE:	SHEET NO. OF 76 SHEETS	STA. 14+50.00 TO STA. 15+50.00	

I.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	75
CONTRACT NO. 63645				
FED. ROAD DIST. No. 1 ILLINOIS FED. AID PROJECT				

FILE NAME = M:\Projects\2010\102025 BurrFemson\102025 BurrFemson\Drawings\Sheet\15+50.00.dgn

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

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



WILLS BURKE KELSEY ASSOCIATES LTD.
 118 West Main Street, Suite 201
 St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - KMA	REVISED -
PLOT DATE = 10/19/2011	CHECKED - SBP	REVISED -
	DATE - 10/24/11	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
BURR ROAD			
SCALE:	SHEET NO. OF 76 SHEETS	STA. 15+70.00	TO STA. 15+70.00

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
194	08-14117-00-BR	KANE	76	76
CONTRACT NO. 63645				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				