

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
734	77-2-2 & 77-2B-1	WINNEBAGO	530	1
		ILLINOIS	CONTRACT NO. 64813	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

F.A. ROUTE 734 (IL 2)
SECTION 77-2-2 & 77-2B-1
PROJECT NO. **ACF-0734(044)**

CONSTRUCT NEW FOUR-LANE FACILITY
FROM ELMWOOD ROAD TO LATHAM ROAD
WINNEBAGO COUNTY
C-92-139-04
R1E

D-92-043-02



LOCATION OF SECTION INDICATED THIS: -

FOR INDEX OF SHEETS, SEE SHEET 2.
FOR LIST OF STANDARDS, SEE SHEET 3.

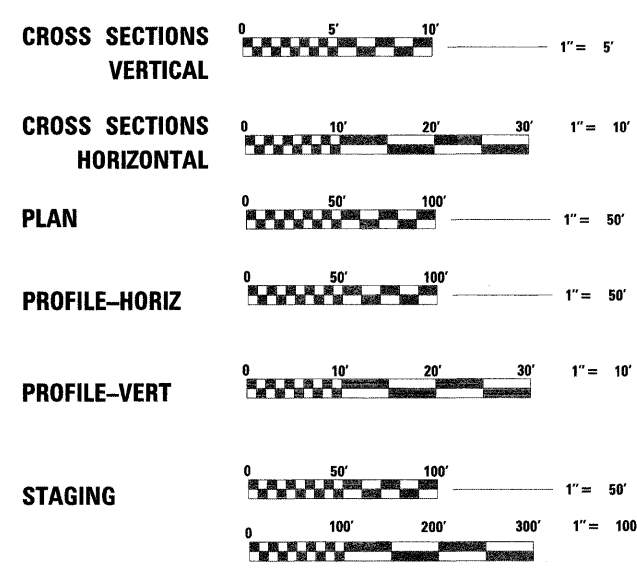
DESIGN DESIGNATION

1915(25) Principal Arterial 4.27 (FD-20), IL RTE 2
935(25) MINOR ARTERIAL 4.27 (FD-20), LATHAM ROAD

DESCRIPTION ON IMPROVEMENT

THE IMPROVEMENT CONSISTS OF CONSTRUCTION OF FOUR LANE EXPRESSWAY, REHABILITATION OF EAST & WEST FRONTAGE ROADS, CONSTRUCTION OF INTERSECTION AT LATHAM ROAD, CONSTRUCTION OF A BRIDGE OVER MUD CREEK, AND ALL COLLATERAL WORK TO COMPLETE IMPROVEMENT.

SCALES



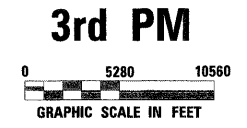
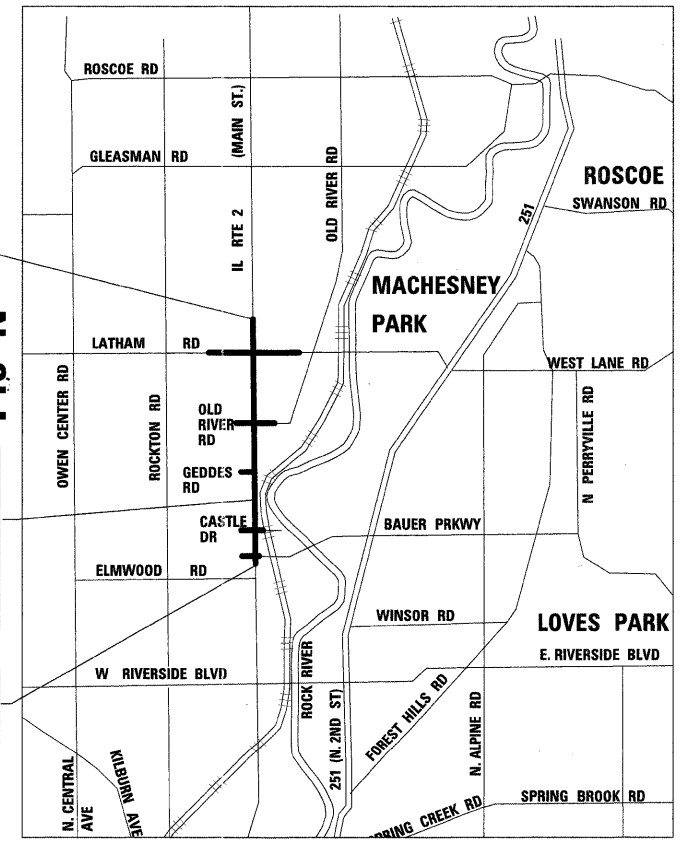
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES, IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENDS
STA 854 + 49

ILLINOIS RTE 2
OVER MUD CREEK
STRUCTURE NO.
101-0177 (S.B.)
101-0178 (N.B.)

PROJECT BEGINS
STA 691 + 51



JEAN-ALIX PERLÉ
062-049189
REGISTERED PROFESSIONAL ENGINEER
OF ILLINOIS
EXPIRES: 11-30-2011
SEALED: JEAN-ALIX PERLÉ
SHEETS: ROADWAY

JOHN A. NEU
81-004900
REGISTERED PROFESSIONAL ENGINEER
OF ILLINOIS
EXPIRES: 11-30-2012
SEALED: JOHN A. NEU
SHEETS: STRUCTURE
273-306

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED FEB 7 20 11
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 13 20 11
acting ENGINEER OF DESIGN AND ENVIRONMENT
May 13 20 11
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PLANS PREPARED BY
STV Incorporated
engineers/architects/scientists/construction managers
Chicago, Illinois (312)553-0655

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

Rev. 6-3-11

DESIGN CONSULTANT
STV INCORPORATED
PHONE: 312-553-0655; CHICAGO, IL

IDOT SENIOR ENGINEER: SAMEER A. ABDULLAH
PHONE: 815-284-5935; DIXON, IL

IDOT PROJECT ENGINEER: MASOOD AHMAD

OWEN TOWNSHIP, SECTION 13,14,23,24,25,26,35,36

CONTRACT NO. 64813

GROSS LENGTH OF IMPROVEMENT = 16,298 FT = 3.09 MILES

NET LENGTH OF IMPROVEMENT = 16,185 FT = 3.07 MILES

F.A.P. ROUTE 734, SECTION: 77-2-2 & 77-2B-1 WINNEBAGO COUNTY

GENERAL NOTES

- 1. SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACKSLOPES.
- 2. ALL BORROW/WASTE/USE SITES MUST BE APPROVED BY THE DEPARTMENT PRIOR TO REMOVING ANY MATERIAL FROM THE PROJECT OR INITIATING ANY EARTHWORK ACTIVITIES, INCLUDING TEMPORARY STOCKPILING OUTSIDE THE LIMITS OF CONSTRUCTION.
- 3. THE REMOVAL OF BITUMINOUS MATERIAL FOR THIS PROJECT WILL BE REMOVED UNDER PAVEMENT REMOVAL FOR THICKNESSES OF ASPHALT BEING 6-INCHES OR MORE AND WILL BE CONSIDERED PART OF EARTH EXCAVATION FOR THICKNESSES BEING LESS THAN 6-INCHES.
- 4. THE FINAL TOP 4-INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE A COHESIVE SOIL CAPABLE OF SUPPORTING VEGETATION. THE SOILS REPORT RECOMMENDS PLACING 12-INCHES OF TOPSOIL IN AREAS OF SIGNIFICANT CUTS AND PLACING 6-INCHES OF TOPSOIL EVERYWHERE ELSE. THE LOCATION TABLE IS INCLUDED IN THE TYPICAL SECTIONS PORTION OF THE PLAN SET.
- 5. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 2A SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1. CLASS 2A SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES.
- 6. PREVIOUSLY PUGMILLED STOCKPILES OF "TYPE A" OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.
- 7. THE SUBGRADE ON THIS PROJECT, EXCLUSIVE OF ROCK CUT AREAS IS SCHEDULED TO BE IMPROVED TO A 300 mm (12") DEPTH ACCORDING TO MECHANISTIC PAVEMENT DESIGN. THE AREAS SCHEDULED TO BE IMPROVED TO A DEPTH GREATER THAN 300 mm (12") ARE ESTIMATED BASED ON THE ORIGINAL GEOTECHNICAL INVESTIGATION. THE SUBGRADE SHALL BE PROCESSED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS BEFORE THE ENGINEER SHALL DETERMINE THE LIMITS AND THE ADDITIONAL THICKNESS OF IMPROVEMENT REQUIRED, IF ANY.
- 8. THE THICKNESS SHOWN ON THE TYPICAL SECTIONS IS THE REQUIRED THICKNESS UPON COMPLETION OF FINAL TRIMMING. THE CONTRACTOR SHOULD ANTICIPATE ANY LOSS IN THICKNESS DUE TO THE CONSTRUCTION METHODS USED, AND ADJUST OPERATION ACCORDINGLY TO ASSURE THAT THE THICKNESS REQUIREMENTS ARE BEING MET. DEFICIENCIES IN THE THICKNESS OF THE LAYERS WILL BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL COST.
- 9. EXCEPT FOR THE TOP 75 mm (3"), ALL AGGREGATE BASES AND SUBBASES 300 mm (12") IN THICKNESS SHALL BE CONSTRUCTED OF AGGREGATE GRADATION CA-2. IF THE SPECIFIED THICKNESS EXCEEDS 300 mm (12"), THE BASES AND SUBBASES SHALL BE CONSTRUCTED OF TOPSIZE 150 mm (6") BREAKER-RUN CRUSHED STONE WITH 70% TO 90% BY WEIGHT, PASSING THE 4" SIEVE AND 15% TO 40% BY WEIGHT, PASSING THE 50 mm (2") SIZE SIEVE, EXCEPT FOR THE TOP 75 mm (3"). THE BREAKER-RUN CRUSHED STONE SHALL BE REASONABLY UNIFORMLY GRADED FROM COARSE TO FINE AND BE TAKEN FROM A QUARRY LEDGE CAPABLE OF PRODUCING CLASS "D" QUALITY AGGREGATE. THE TOP 75 mm (3") SHALL BE GRADATION CA-6 OR CA-10 REGARDLESS OF THICKNESS. THE WATER NECESSARY TO ACHIEVE COMPACTION IN ALL BUT THE TOP 75 mm (3") LAYER MAY BE ADDED AFTER THE SUBBASE OR BASE COURSE IS PLACED ON THE GRADE.
- 10. ALL EMBANKMENT CONSTRUCTED OF COHESIVE SOIL SHALL BE CONSTRUCTED WITH NOT MORE THAN 110% OF OPTIMUM MOISTURE CONTENT, DETERMINED BY STANDARD PROCTOR TEST. COHESIVE SOIL SHALL BE DEFINED AS ANY SOIL WHICH CONTAINS GREATER THAN 10% PARTICLES BY WEIGHT PASSING THE 75 mm (#200 SIEVE). THE 110% OF OPTIMUM MOISTURE LIMIT MAY BE WAIVED IN FREE-DRAINING GRANULAR MATERIAL WHEN APPROVED BY THE ENGINEER.
- 11. SUBBASE OR PIPE UNDERDRAINS SHALL BE FULLY INSTALLED, OPERATIONAL, AND SHALL HAVE AN OUTLET PRIOR TO THE PLACEMENT OF ANY RELATED PAVEMENT STRUCTURE.
- 11A. REFLECTIVE CRACK CONTROL SHALL BE PLACED ON THE EXISTING SURFACE PRIOR TO ANY RESURFACING, UNLESS PAVEMENT IS MILLED THEN IT WILL BE PLACED ON THE BINDER COURSE.
- 12. THE EXISTING HOT-MIX ASPHALT SURFACE ON PRIVATE AND COMMERCIAL ENTRANCES SHALL BE BLADED OFF OR MILLED AND DISPOSED OF OUTSIDE THE PROJECT LIMITS. THE COST OF THE BLADING, MILLING, ROLLING, AND DISPOSAL IS INCLUDED IN THE CONTRACT UNIT PRICE FOR INCIDENTAL HOT-MIX ASPHALT SURFACING.
- 13. MILLING MACHINES ON THIS PROJECT SHALL BE CAPABLE OF REMOVING A LAYER OF HOT-MIX ASPHALT A MINIMUM 6' WIDE AND 1-1/2 INCHES IN DEPTH IN A SINGLE PASS.
- 14. PLACEMENT AND COMPACTION OF THE BACKFILL FOR PROPOSED ACROSS ROAD CULVERTS AND EXISTING ACROSS ROAD CULVERTS THAT ARE REMOVED SHALL CONFORM TO SECTION 502.10 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT MATERIAL SHALL CONFORM TO ARTICLE 208.02 OF THE STANDARD SPECIFICATIONS, AND SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. ANY MATERIAL CONFORMING TO THE REQUIREMENTS OF ARTICLE 1003.04 OR 1004.05 WHICH HAS BEEN EXCAVATED FROM THE TRENCHES SHALL BE BACKFILLING THE TRENCHES. THE ENTIRE EXCAVATION, WITHIN 2 FEET OUTSIDE OF EACH SHOULDER, SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL TO THE BOTTOM OF THE PROPOSED SUBGRADE. IMPERVIOUS MATERIAL SHALL BE USED ON THE OUTER 3 FEET AT EACH END OF THE CULVERT. THIS TRENCH BACKFILL MATERIAL WILL NOT BE MEASURED FOR PAYMENT, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE CLASS OF CONCRETE INVOLVED OR OTHER UNIT PRICE ITEM OF THE WORK FOR WHICH IT IS REQUIRED.

15. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S)	SURFACE N 70	TOP BINDER	LOWER BINDER	SURFACE N50	BOT. SHOULDER
P.G.	SBS - PG 64-28	SBS - PG 64-28	PG 64-22	PG 58 - 22	PG 58 - 22
DESIGN AIR VOIDS	4.0 @ N 70	4.0 @ N 70	4.0 @ N 70	3.0 @ N 50	2 @ N 50
MIXTURE COMPOSITION (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 19	IL 19	IL 9.5 OR IL 12.5	BAM
FRICTION AGGREGATE	D	N/A	N/A		N/A
20 YEAR ESAL	4.3	4.3	4.3	N/A	N/A

- 16. THE CONTRACTOR WILL BE REQUIRED TO FURNISH 140 mm (5 1/2") HIGH BRASS STENCILS AS APPROVED BY ENGINEER AND INSTALL STATIONING AT 250' INTERVALS. STATIONING SHALL BE PLACED ON BOTH LANES OF 2-LANE HIGHWAYS AND ON THE OUTSIDE LANES IN BOTH DIRECTIONS ON 4-LANE HIGHWAYS. THE STATIONS SHALL BE PLACED 150 mm (6") INSIDE THE PAVEMENT MARKING EDGE SO THEY CAN BE READ FROM SHOULDER. THIS WORK WILL BE INCLUDED IN THE COST OF THE FINAL PAVEMENT SURFACE.
- 17. ON FULL-DEPTH PAVEMENT, SHOULDER WIDTHS OF 6 FT OR LESS MAY BE PLACED, AT THE CONTRACTOR'S OPTION, SIMULTANEOUSLY WITH THE ADJACENT TRAFFIC LANE FOR BOTH THE BINDER AND SURFACE COURSES, PROVIDED THE CROSS SLOPE OF BOTH THE PAVEMENT AND SHOULDER CAN BE SATISFACTORY OBTAINED. THE SHOULDER WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED ON THE PLANS.
- 18. INSTALL RUMBLE STRIPS IN ALL SHOULDERS IN ACCORDANCE WITH STATE STANDARD 642001. RUMBLE STRIPS SHALL BE PLACED ON SHOULDERS ON BOTH SIDES OF THE PAVEMENT.
- 19. A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.
- 20. THE NEW NUMBERS FOR THE MUD CREEK STRUCTURES WILL BE (SB) SN 101-0177, (NB) SN 101-0178.
- 21. THE DROP OFF THAT OCCURS AT ENTRANCE EDGES AS A RESULT OF RESURFACING OF THE ENTRANCE SHALL BE CORRECTED USING AGGREGATE SHOULDER MATERIAL. THIS WORK SHALL BE PAID FOR BY THE TON FOR AGGREGATE SHOULDERS OF THE TYPE SPECIFIED IN THE PLANS.
- 21A. THE AREA TO BE PRIMED SHALL BE LIMITED TO THAT WHICH CAN BE COVERED WITH HMA THE SAME DAY, UNLESS OTHERWISE PERMITTED BY THE ENGINEER.
- 21B. REFLECTOR MARKERS TYPE B SHALL BE INSTALLED ON THE TOP OF BRIDGE PARAPET WALLS. THE MARKERS SHALL BE ACCORDING TO STANDARD 635011 AND THE COLOR AND SPACING ACCORDING TO STANDARD 635006, EXCEPT THE MINIMUM IS 2 PER SIDE.
- 22. GROUNDWATER LEVELS MAY ENCRONCH ON THE CONSTRUCTION LIMITS OF SEVERAL CULVERTS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GROUNDWATER AND DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF CONTROLLING THE WATER SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER STRUCTURE OR CULVERT PIPE BEING INSTALLED UNDER ROADWAY.
- 23. THE ADDITIONAL THICKNESS OF PROPOSED PAVEMENT REQUIRED TO MATCH THE BRIDGE APPROACH PAVEMENT, SHOWN IN STANDARD 420401, SHALL BE INCLUDED IN THE COST OF THE PROPOSED PAVEMENT AND NOT PAID FOR SEPARATELY.
- 24. THE CURB IS REQUIRED ON THE BRIDGE APPROACH PAVEMENT AS SHOWN ON STANDARD 420401.
- 25. CULVERT & BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.
- 26. THE PROPOSED CULVERT PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN-LINE WITH THE EXISTING OR PROPOSED DITCH LINE.
- 27. IT IS ANTICIPATED THAT SEVERAL MAILBOXES WILL REQUIRE RELOCATION TO THE APPROACH SIDE OF THE ENTRANCES, OR WITHIN A MAILBOX TURNOUT. WHEN THIS IS DONE, THE CONTRACTOR SHALL BE REQUIRED TO MOUNT THE MAILBOX ON A 4" X 4" WOOD POST 40-INCHES ABOVE THE SHOULDER SURFACE AND EXTENDING TO A MINIMUM OF 24-INCHES INTO THE EMBANKMENT. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE EARTH EXCAVATION. IT IS ESTIMATED 30 MAILBOXES WILL NEED TO BE RELOCATED.
- 28. CONNECTING BANDS FOR CORRUGATED METAL PIPES SHALL BE COATED WITH THE SAME MATERIAL AS THE PIPE SECTIONS. THE CONNECTING BANDS SHALL BE A MINIMUM OF 18" WIDE.
- 29. WORK ON NORTHWEST FRONTAGE ROAD "E" CAN NOT START BEFORE THE CROPS ARE PICKED UP FOR THE SEASON IN 2011.
- 29A. THE LEGEND ON ALL TYPICAL SECTIONS AND PLAN SHEETS FOR IL ROUTE 2 AND LATHAM ROAD SHOULD BE REVISED TO STATE THE FOLLOWING: HMA PAVEMENT (FULL-DEPTH), 12.5". THE BREAK DOWN IS AS FOLLOWS: (2" POLYMERIZED HMA SURFACE COURSE, MIX "D", N70, TOP LIFT BINDER 3" - POLYMERIZED HMA BINDER COURSE, IL-19, N70, MIDDLE LIFT BINDER 3.5" - HMA BINDER COURSE, IL-19, N70, BOTTOM LIFT BINDER 4" - HMA BINDER COURSE, IL-19, N70)

- 30. IF, DURING THE GRINDING OR RESURFACING OPERATIONS, THE EXISTING MAILBOXES BECOME A HINDRANCE, THE CONTRACTOR SHALL BE REQUIRED TO CAREFULLY REMOVE AND REINSTALL THE MAILBOXES AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE INCIDENTAL HOT-MIX ASPHALT SURFACING.
- 31. USE M-4 CURB ON ISLANDS WHEN LOCATED ADJACENT TO HIGH-SPEED TRAFFIC (50 MPH OR GREATER), EXCEPT USE M-6 ON ISLANDS WHERE TRAFFIC SIGNALS SUPPORTS, SIGN TRUSS SUPPORTS, OR ANY OTHER POST WITH A FOUNDATION GENERALLY LARGER THAN A STANDARD HIGHWAY SIGN IS PROPOSED. A STOP SIGN IS A STANDARD HIGHWAY SIGN.
- 32. THE ISLANDS ON THIS PROJECT ARE SMALL ISLANDS AS SHOWN ON THE DETAIL OF INTERSECTION DETAIL SHEET SHOWN IN THE PLANS.
- 33. THE CONTRACTOR SHALL INSTALL A 450 mm (18") DIAMETER FORMED OPENING IN THE CONCRETE MEDIAN SURFACE OF THE ISLAND AS DIRECTED BY THE ENGINEER. ALSO, A 75 mm (4") DIAMETER FORMED OPENING SHALL BE INSTALLED IN EACH CORNER OF THE ISLAND 300 mm (1 FOOT) BEHIND THE BACK OF CURB. ALL EXISTING PAVEMENT SURFACES OF OTHER EXISTING OBSTRUCTIONS BENEATH THESE OPENINGS SHALL BE REMOVED BY THE CONTRACTOR. AFTER THE MEDIAN IS IN PLACE THE 450 mm (18") OPENING SHALL BE CORED DOWN 1.2 m (4') AND FILLED WITH DIRT. ALL COSTS INCURRED SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR CONCRETE MEDIAN SURFACE, 4 INCH.
- 34. ALL FRAMES AND GRATES OF DRAINAGE STRUCTURES TO BE REMOVED OR FILLED SHALL BE CAREFULLY SALVAGED AND SHALL REMAIN THE PROPERTY OF CONTRACTOR.
- 35. LATERAL DISTANCES FROM THE CENTERLINES/BASELINES ON ALL INLETS IN A CURB LINE ARE TO THE EDGE OF PAVEMENT. LATERAL DISTANCES FROM THE CENTERLINES/BASELINES ON ALL CATCH BASINS OR MANHOLES ARE TO THE CENTER OF LID.
- 36. WHERE FIELD TILE IS ENCOUNTERED, STORM SEWER OR PIPE DRAIN WILL BE USED IN ACCORDANCE WITH SECTION 611. THE MINIMUM SIZE FOR REPLACEMENT WILL BE 6" FOR PIPE DRAINS AND 8" FOR STORM SEWER, BUT THE SIZE MUST BE AT LEAST 2" LARGER THAN THE ADJOINING TILE. A FIELD TILE VAULT WILL BE CONSTRUCTED AT THE RIGHT-OF-WAY TO CONNECT THE TILE AND STORM SEWER.
- 37. EMBANKMENT QUANTITIES FOR THE CONSTRUCTION OF THE TRAFFIC BARRIER TERMINALS AS SHOWN IN THE PLANS ARE INCLUDED IN QUANTITIES FOR EARTH EXCAVATION.
- 38. THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR ALL TRAFFIC BARRIER TERMINALS BEING USED ON THIS PROJECT.
- 39. ONE 16D GALVANIZED NAIL SHALL BE USED TO TOE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE I SPECIALS.
- 40. DELINEATORS SHALL BE INSTALLED AS SHOWN IN STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180 DEGREES AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.
- 41. THE SUMMARY OF QUANTITIES INCLUDES AN UNDISTRIBUTED AMOUNT (50LF OF EACH SIZE) OF PIPE UNDERDRAIN, SIZES 6-INCH THROUGH 12-INCH AND 5 FIELD TILE JUNCTION VAULTS, 2' DIA. AND STORM SEWERS PROTECTED CLASS A, SIZES 6-INCH THROUGH 12-INCH, EXPLORATION TRENCH 52-INCH DEPTH 400 L.F. AND MISCELLANEOUS CONCRETE 5 CU.YD. FOR FIELD TILE ENCOUNTERS.
- 41A. NOSES OF CURBED CORNER ISLANDS NOTED AS 1 & 2 ON HIGHWAY STANDARD 606301 SHALL BE RAMPED UNLESS THE CURB FUNCTION IS FOR THE PROTECTION OF PEDESTRIANS, SIGNALS, LIGHT STANDARDS OR SIGN TRUSS SUPPORTS.
- 42. ROADWAY EMBANKMENT LOCATED IN MUD CREEK FLOODPLAIN SHALL BE COMPLETED AS EARLY AS POSSIBLE DURING THE PROJECT AND ALLOWED TO SETTLE FOR 6 MONTHS, PRIOR TO CONSTRUCTING THE BRIDGE APPROACH PAVEMENTS AND ANY PERMANENT PAVEMENT.
- 43. THE FOLLOWING ROUTES ARE CONSIDERED GOOD NEIGHBOR ROUTES AND THE DISTRICT GOOD NEIGHBOR POLICY WILL APPLY TO THEM:
 - OLD RIVER ROAD FROM IL ROUTE 2 TO GLEASMAN ROAD
 - GLEASMAN ROAD FROM OLD RIVER ROAD TO ROCKTON AVENUE
 - ROCKTON AVENUE FROM GLEASMAN ROAD TO ELMWOOD ROAD
 - ELMWOOD ROAD FROM ROCKTON AVENUE TO IL ROUTE 2.

LEGEND:

BOXED ITEMS INDICATE WORK NOT PAID FOR SEPARATELY, BUT INCLUDED AS PART OF ANOTHER PAY ITEM OR COST ASSOCIATED WITH THE CONTRACT.

Rev. 10-3-11

USER NAME: cawcress	DESIGNED STS/GC	REVISED
PLT: BCLC: 10/22/09	DRAWN RDT	REVISED
PLT: BCLC: 10/22/09	CHECKED CC	REVISED
	DATE 01-14-11	REVISED

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 2
GENERAL NOTES

SCALE: NTS SHEET NO. 4 OF 530 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
734	77-2-2 & 77-2B-1	WINNEBAGO	530	4
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 64813				

SUMMARY OF QUANTITIES

ITEM #	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	80% FED./20% STATE					BAUER ROAD 80% Federal 10% State 10% County	0021 OLD RIVER RD 80% Federal 20% State	LATHAM ROAD 80% Federal 10% State 10% County
				0003 ROADWAY	0003 DETOUR ROUTE	0008 MUD CREEK BRIDGE SN 101-0177 AND SN 101-0178	0040 80% FED./20% STATE BOX CULVERTS	0002 (10%) 100% STATE BOX CULVERTS TO BE CLEANED			
X0327307	SLOPED METAL END SECTION WITH GRATE, 57"x38"	EACH	2	2							
X0327309	SLOPED METAL END SECTION WITH GRATE, 49" x 35"	EACH	2	2							
X2000310	QUARRY RUN GRANULAR EMBANKMENT	CU YD	74,857	74,857							
X5422205	REINFORCED CONCRETE PIPE TEE, EQUIVALENT ROUND-SIZE, 30" PIPE WITH 24" RISER	EACH	2	2							
X5422205	REINFORCED CONCRETE PIPE WYE, EQUIVALENT ROUND-SIZE, 48" PIPE WITH 24" RISER	EACH	1	1							
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,086	1,086							
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1,563	1,563							
20100500	TREE REMOVAL, ACRES	ACRE	25.75	25.75							
20101000	TEMPORARY FENCE	FOOT	482	482							
20101100	TREE TRUNK PROTECTION	EACH	100	100							
20200100	EARTH EXCAVATION	CU YD	640,431	640,431							
20200200	ROCK EXCAVATION	CU YD	4,463	4,463							
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	68,617	68,617							
20800150	TRENCH BACKFILL	CU YD	296	296							
21001000	GEO TECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	12,696	12,696							
* 21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	307,649	307,649							
* 21101645	TOPSOIL FURNISH AND PLACE, 12"	SQ YD	107,739	107,739							
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	400	400							
* 25000100	SEEDING, CLASS 1	ACRE	8.75	8.75							
* 25000210	SEEDING, CLASS 2A	ACRE	20.00	20.00							
* 25000310	SEEDING, CLASS 4	ACRE	19.00	19.00							
* 25000312	SEEDING, CLASS AA	ACRE	75.00	75.00							
* 25000314	SEEDING, CLASS AB	ACRE	2.00	2.00							
* 25000320	SEEDING, CLASS 5	ACRE	75.00	75.00							
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	7,718	7,718							
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	7,718	7,718							
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	7,718	7,718							
... 25000750	MOWING	ACRE	66.75	66.75							
* 25100115	MULCH, METHOD 2	ACRE	85.75	85.75							
* 25400200	SELECTIVE MOWING STAKES	EACH	500	500							
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	60,025	60,025							
28000305	TEMPORARY DITCH CHECKS	FOOT	2,288	2,288							
28000315	AGGREGATE DITCH CHECKS	TON	109	109							
28000400	PERIMETER EROSION BARRIER	FOOT	22,218	22,218							
28000500	INLET AND PIPE PROTECTION	EACH	103	103							
28100107	STONE RIPRAP, CLASS A4	SQ YD	3,265	3,265							
28100109	STONE RIPRAP, CLASS A5	SQ YD	5,119	3,044			2,075				
28100111	STONE RIPRAP, CLASS A6	SQ YD	84	84							
28200200	FILTER FABRIC	SQ YD	8,468	6,393			2,075				
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	126,477	126,477							
31200100	STABILIZED SUBBASE 4"	SQ YD	1,955	1,955							
35100100	AGGREGATE BASE COURSE, TYPE A	TON	48,916	48,916							
35101400	AGGREGATE BASE COURSE, TYPE B	TON	3,923	3,923							

*** 100% STATE
* Specialty Items

Rev. 6-6-11

USER NAME = thompard	DESIGNED RDT/GC	REVISED -
PLOT SCALE = 50,000 FT / IN.	DRAWN RDT	REVISED -
PLOT DATE = 2/3/2011	CHECKED GC	REVISED -
	DATE 01-14-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 2 SUMMARY OF QUANTITIES - 1			
SCALE: N.T.S.	SHEET NO. 6 OF 530 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
734	77-2-2 & 77-2B-1	WINNEBAGO	530	6
CONTRACT NO. 64813				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES CONTINUED

ITEM #	ITEM DESCRIPTION	UNIT	URBAN TOTAL QUANTITY	80% FED. / 20% STATE				100% STATE BOX CULVERTS TO BE CLEANED	0021		
				0003 ROADWAY	0003 DETOUR ROUTE	0008 MUD CREEK BRIDGE SN 101-0177 AND SN 101-0178	0040 BOX CULVERTS		BAUER ROAD 80% Federal 10% State 10% County	OLD RIVER RD 80% Federal 20% State	LATHAM ROAD 80% Federal 10% State 10% County
B2000562	TREE, AMELANCHIER CANADENSIS (SHADBLOW SERVICEBERRY), 4' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	50	50							
B2001262	TREE, CORNUS ALTERNIFOLIA (PAGODA DOG WOOD), 4' HEIGHT, CLUMP FORM, BALLED AND BURLAPPED	EACH	50	50							
B2001664	TREE, CRATAEGUS CRUSGALLI INERMIS (THORN LESS COCKSPUR HAWTHORN), 5' HEIGHT, SHRUB FORM, BALLED AND BURLAPPED	EACH	50	50							
B2002614	TREE, MALUS ADAMS (ADAMS CRABAPPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	50	50							
B2005214	TREE, MALUS SUTYZAM (SUGAR TYME CRAB APPLE), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	50	50							
C2012836	SHRUB, VIBURNUM TRILOBUM (AMERICAN CRANBERRY VIBURNUM), 3' HEIGHT, BALLED AND BURLAPPED	EACH	100	100							
D2001772	EVERGREEN, PICEA ABIES (NORWAY SPRUCE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	50	50							
X0300249	REMOVE EXISTING GATE	EACH	5	5							
X0322118	REMOVE CONCRETE FLARED END SECTIONS	EACH	2	2							
X0322352	SEEDING MOBILIZATION	EACH	10	10							
X0322533	REMOVE EXISTING MAST ARM ASSEMBLY AND POLE	EACH	3						3		
X0322654	GRADE AND SHAPE MEDIAN DITCH CHECKS	EACH	99	99							
X0323256	REMOVE AND RELOCATE FLAGPOLE	EACH	1	1							
X0324855	SLOPED METAL END SECTIONS WITH GRATE, 36"	EACH	4	4							
X0325206	RELOCATE INTERCONNECT CABLE	FOOT	15						15		
X0325358	SLOPED METAL END SECTIONS WITH GRATE, 30"	EACH	2	2							
X0326711	VIDEO CAMERA CONTROL SYSTEM	L SUM	1						0.3	0.4	0.3
X0488100	REMOVING EXISTING SEPTIC TANK	EACH	3	3							
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	500			500					
X4060310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, SPECIAL	TON	591		591						
X4400110	TEMPORARY PAVEMENT REMOVAL	SQ YD	675.3	675.3							
X4402810	ISLAND SURFACE REMOVAL AND REPLACEMENT	SQ FT	628						628		
X5121000	PERMANENT STEEL SHEET PILING	SQ FT	9,160								
X6061460	PAVED DITCH (SPECIAL)	FOOT	770	770							
X6062700	CONCRETE GUTTER, TYPE A (SPECIAL)	FOOT	810	810							
X6063600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	4899	4899							
X6064201	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	925.5	925.5							
X7010216	TRAFFIC CONTROL AND PROTECTION SPECIAL, LOCATION 1	LUMP SUM	1	1							
X8950305	REMOVE EXISTING SIGNAL HEAD	EACH	13						13		
* XX003163	EMERGENCY VEHICLE PRIORITY SYSTEM	EACH	3						1	1	1
Z0001062	DRAIN FOR AGGREGATE BASE COURSE	SQ YD	141	141							
Z0005300	BOX CULVERTS TO BE CLEANED	EACH	1					1			
Z0005400	BREAKER-RUN CRUSHED STONE	TON	995	995							
Z0007603	BUILDING REMOVAL NO. 3	L SUM	1	1							
Z0007605	BUILDING REMOVAL NO. 5	L SUM	1	1							
Z0007606	BUILDING REMOVAL NO. 6	L SUM	1	1							
Z0007607	BUILDING REMOVAL NO. 7	L SUM	1	1							
Z0007608	BUILDING REMOVAL NO. 8	L SUM	1	1							
Z0007609	BUILDING REMOVAL NO. 9	L SUM	1	1							

100% BAUER RD. (WINNEBAGO CO.)
100% LATHAM RD. (WINNEBAGO CO.)
100% OLD RIVER RD. (NORTHWEST
FIRE PROTECTION DIST.)

* Specialty Items

F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
734		77-2-2 & 77-2B-1	WINNEBAGO	530	13
CONTRACT NO. 64813					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

USER NAME = thompard	DESIGNED RDT/GC	REVISED -
PLOT SCALE = 50,000 FT / IN.	DRAWN RDT	REVISED -
PLOT DATE = 2/3/2011	CHECKED GC	REVISED -
	DATE 01-14-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 2
SUMMARY OF QUANTITIES - 8

SCALE: N.T.S. SHEET NO. 13 OF 530 SHEETS STA. TO STA.

Rev.

Rev. 6-6-11

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EARTHWORK SCHEDULE - II. 2

LOCATION	20200100	EARTH	EMBANKMENT	EARTHWORK	ROCK	ROCK	ROCK	20201200	2000226	21101625	21101645	25000100	25400201	
	EARTH	EXCAVATION												EXCAVATION
	CU YD	ADJUSTED FOR SHRINKAGE 25%	CU YD	() OR SHORTAGE (-)	EXCAVATION, WEATHERED ADJUSTED FOR SWELL 15%	EXCAVATION, SOLID	EXCAVATION, SOLID ADJUSTED FOR SWELL 15%	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	QUARRY RUN GRANULAR EMBANKMENT	TOPSOIL FURNISH AND PLACE, 6-INCHES	TOPSOIL FURNISH AND PLACE, 12-INCHES	SEEDING, CLASS 1	SELECTIVE MOWING STAKES	
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	SQ YD	SQ YD	ACRE	EACH	
ELMWOOD 695+00	755	566	-2	564						833			3	
695+00 700+00	5,633	4,225	-78	4,147						2,656			3	
700+00 705+00	679	509	-4	505						1,022			3	
705+00 710+00	1,822	1,367	-35	1,332							2,000	0.01	6	
710+00 715+00	5,333	4,000	-930	3,070						2,778	3,478	0.18	10	
715+00 720+00	3,215	2,411	-10,555	-8,144						8,933		0.26	10	
720+00 725+00	15,980	11,985	-5,150	6,835						3,606	4,144	0.02	10	
725+00 730+00	44,840	33,630	-176	33,454							12,278	0.33	10	
730+00 735+00	40,832	30,624	-29	30,595							10,639	0.40	10	
735+00 740+00	33,848	25,386	-532	24,854							10,211	0.42	4	
740+00 742+30	956	717	-26,369	-25,652					24,901	23,889	3,800	0.14	4	
743+45 745+00	117	88	-9,069	-8,981					18,138	18,138	3,700	0.13	4	
745+00 750+00	17,315	12,986	-30,920	-17,934					27,813	32,830	9,467	2,372	0.39	10
750+00 755+00	65,739	49,304		49,304							12,250	0.40	15	
755+00 760+00	22,211	16,658	-46	16,612						5,622	5,178	0.44	10	
760+00 765+00	17,611	13,208	-5,605	7,603						11,333		0.06	4	
765+00 770+00	15,170	11,378	-6,582	4,796						14,689		0.17	5	
770+00 775+00	2,813	2,110	-8,307	-6,197						11,467		0.33	10	
775+00 780+00	7,894	5,921	-5,221	700						7,744	3,722	0.36	10	
780+00 785+00	2,697	2,023	-12,344	-10,321						12,678		0.41	10	
785+00 790+00	8,554	6,416	-12,874	-6,459						12,722		0.42	10	
790+00 795+00	5,407	4,055	-12,332	-8,277						11,256		0.39	10	
795+00 800+00	3,392	2,544	-10,535	-7,991						9,467		0.42	10	
800+00 805+00	26,041	19,531	-2,131	17,400						1,956	7,161	0.31	10	
805+00 810+00	29,759	22,319	-393	21,926						4,556	7,194	0.42	10	
810+00 815+00	25,469	19,102	-241	18,861	367	422	348	400		9,594		0.18	10	
815+00 820+00	17,922	13,442	-2,815	10,627	913	1,050	754	867		6,528		0.18	6	
820+00 825+00	2,700	2,025	-22,117	-20,092						11,533		0.32	10	
825+00 830+00	3,104	2,328	-18,017	-15,689						11,456		0.48	10	
830+00 835+00	3,373	2,530	-16,597	-14,067						13,289		0.35	10	
835+00 840+00	11,931	8,948	-2,116	6,832						13,950		0.39	10	
840+00 845+00	33,385	25,039	-2	25,037							9,411	0.22	10	
845+00 850+00	8,396	6,297	-581	5,716							6,317	0.16	10	
850+00 855+00	3,542	2,657	-614	2,043						4,222		0.01	5	
TEMPORARY CROSSOVER	6,891	5,168	-940	4,228										
SUB-TOTAL	495,326	371,495	-224,259	147,236	1,280	1,472	1,102	1,267	68,617	74,857	210,856	96,356	8.68	282
1346+00 1351+00	702	527		527						489			6	
1351+00 1355+00	1,275	956	-4	952						467			3	
SUB-TOTAL	1,977	1,483	-4	1,479						956				
1342+00 1344+00	1,386	1,040	-4,279	-3,240						2,767			0	
1346+00 1351+00	1,697	1,273	-1,114	159						1,522			6	
1351+00 1355+00	405	304	-981	-677						744			3	
SUB-TOTAL	3,488	2,616	-6,374	-3,758						5,033			9	
300+11 305+00	473	355	-2,896	-2,541						1,545			8	
305+00 311+02	1,621	1,216	-4,404	-3,188						3,844			10	
SUB-TOTAL	2,094	1,571	-7,300	-5,730						5,389				
995+50 999+30	6,909	5,182	-24	5,158									6	
SUB-TOTAL	6,909	5,182	-24	5,158						2,600				
1646+62 1650+00	1,336	1,002	-93	909						1,589			6	
1650+00 1655+00	4,612	3,459	-110	3,349						3,656			10	
1655+00 1660+00	3,765	2,824	-657	2,167						3,622			10	
1660+00 1665+00	7,395	5,546	-1,264	4,282						3,856			0	
1665+00 1670+00	30,691	23,018		23,018						6,278			8	
1670+00 1674+00	11,761	8,821	-1,196	7,625	489	562	543	624		2,878			4	
STAGE 1 SUBTOTAL														
1674+00 1680+00	568	426	-12,572	-12,146	22					4,522			10	
1680+00 1685+00	781	586	-10,678	-10,092						4,078			6	
1685+00 1690+00	872	654	-7,328	-6,674						4,156			10	
1690+00 1695+00	2,502	1,877	-1,911	-35						3,678			10	
1695+00 1700+53	3,054	2,291	-1,276	1,015						2,111			10	
STAGE 2 SUBTOTAL	7,777	5,833	-33,765	-27,932	22	26				18,544				
SUB-TOTAL	67,337	50,503	-37,085	13,418	511	588	543	624		40,422			84	



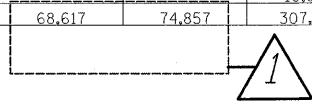
Revised 6/1/2011, GC

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USER NAME = thompson	DESIGNED RDT/GC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 2 SCHEDULE OF QUANTITIES - 2			F.A.P. RTE. 734	SECTION 77-2-2 & 77-2B-1	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 16	
PLOT SCALE = 50.0001 FT / IN.	CHECKED GC	REVISED -		SCALE: N.T.S.	SHEET NO. 16 OF 530 SHEETS	STA. TO STA.	CONTRACT NO. 64813					
PLOT DATE = 6/2/2011	DATE 01-14-11	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

EARTHWORK SCHEDULE - IL 2

LOCATION	20200100 EARTH EXCAVATION CU YD	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE 25% CU YD	EMBANKMENT CU YD	EARTHWORK BALANCE WASTE () OR SHORTAGE (-) CU YD	ROCK EXCAVATION, WEATHERED CU YD	ROCK EXCAVATION, ADJUSTED FOR SWELL 15% CU YD	ROCK EXCAVATION, SOLID CU YD	ROCK EXCAVATION, SOLID ADJUSTED FOR SWELL 15% CU YD	20201200 REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL CU YD	2000226 QUARRY RUN GRANULAR EMBANKMENT CU YD	21101625	21101645	25000100	25400201	
											TOPSOIL FURNISH AND PLACE, 6-INCHES SQ YD	TOPSOIL FURNISH AND PLACE, 12-INCHES SQ YD	SEEDING, CLASS 1 ACRE	SELECTIVE MOWING STAKES EACH	
FRONTAGE ROAD A1															
114+06	120+00	1,426	1,070	-2,164	-1,095										10
120+00	125+48	1,173	880	-3,871	-2,991										8
SUB-TOTAL		2,599	1,949	-6,035	-4,086										18
FRONTAGE ROAD A2															
141+33	145+95	18	14	-3,965	-3,952										6
SUB-TOTAL		18	14	-3,965	-3,952										6
FRONTAGE ROAD B1															
1004+00	1009+40	2,844	2,133	-373	1,760										16
SUB-TOTAL		2,844	2,133	-373	1,760										16
FRONTAGE ROAD B2															
1010+50	1015+00	260	195	-1,603	-1,408										10
1015+00	1017+00	698	524	-229	295										6
SUB-TOTAL		958	719	-1,832	-1,114										16
FRONTAGE ROAD C															
158+00	160+00	1,600	1,200	-385	815										2
160+00	165+00	3,578	2,684	-3,324	-641										5
165+00	170+00	5,765	4,324	-1,384	2,940										5
170+00	173+00	1,334	1,001	-556	445										3
SUB-TOTAL		12,277	9,208	-5,649	3,559										15
FRONTAGE ROAD D															
1138+00	1140+00	1,171	878	-724	154										3
1140+00	1145+00	2,359	1,769	-9,285	-7,516										5
1145+00	1150+00	11,068	8,301	-1,162	7,139										8
1150+00	1154+90	7,710	5,783	-614	5,169										10
SUB-TOTAL		22,308	16,731	-11,785	4,946										26
FRONTAGE ROAD E															
252+40	255+00	6,403	4,802		4,802	446	513								6
255+00	260+00	10,991	8,243		8,243										10
260+00	265+00	3,520	2,640	-16	2,624										8
265+00	266+50	1,382	1,037	-6	1,031										4
SUB-TOTAL		22,296	16,722	-22	16,700	446	513								28
TOTAL		640,431	480,323	-304,707	175,616	2,237	2,572	1,644	1,891	68,617	74,857	307,150	107,739	8.75	500



LANDSCAPING QUANTITIES

25000400 - NITROGEN FERTILIZER NUTRIENT**	7,718	POUND
25000500 - PHOSPHORUS FERTILIZER NUTRIENT**	7,718	POUND
25000600 - POTASSIUM FERTILIZER NUTRIENT**	7,718	POUND
25100115 - MULCH, METHOD 2	85.75	ACRE
28000250 TEMPORARY EROSION CONTROL SEEDING***	60025	POUND

**FERTILIZER IS APPLIED AT RATE OF 90LB/ACRE
 ***TEMPORARY EROSION CONTROL SEEDING IS APPLIED AT 100LBS PER ACRE OF PERMANENT SEEDING AREA WITH 7 APPLICATIONS

EARTHWORK SUMMARY

ROADWAY	20200100 - EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE, 25%	EMBANKMENT	EARTHWORK BALANCE WASTE () OR SHORTAGE (-)	ROCK EXCAVATION, WEATHERED	ROCK EXCAVATION, WEATHERED ADJUSTED FOR SWELL 15%	ROCK EXCAVATION, SOLID	ROCK EXCAVATION, SOLID ADJUSTED FOR SWELL, 15%	20201200 - REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	2000226 - QUARRY RUN GRANULAR EMBANKMENT	21101625 - TOPSOIL FURNISH AND PLACE, 6"	21101645 - TOPSOIL FURNISH AND PLACE, 12"
	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD	SQ YD	SQ YD
IL 2 Mainline	495,326	371,495	-224,259	147,236	1,280	1,472	1,102	1,267	68,617	74,857	210,856	96,356
Bauer Pkwy.	6,909	5,182	-24	5,158							2,600	
Castle Dr.	2,094	1,571	-7,300	-5,730							5,888	
Old River Rd.	5,465	4,099	-6,378	-2,279							5,989	
Latham Rd.	67,337	50,503	-37,085	13,418	511	588	543	624			40,422	
Frontage Rd. A	2,599	1,949	-6,035	-4,086							5,744	
Frontage Rd. A2	18	14	-3,965	-3,952							1,233	
Frontage Rd. B1	2,844	2,133	-373	1,760							2,867	
Frontage Rd. B2	958	719	-1,832	-1,114							2,556	
Frontage Rd. C	12,277	9,208	-5,649	3,559							9,178	4,789
Frontage Rd. D	22,308	16,731	-11,785	4,946							9,428	4,583
Frontage Rd. E	22,296	16,722	-22	16,700	446	513					10,889	2,011
TOTAL	640,431	480,323	-304,707	175,616	2,237	2,572	1,644	1,891	68,617	74,857	307,649	107,739

ROCK EXCAVATION TOTAL IS THE SUM OF WEATHERED ROCK EXCAVATION AND SOLID ROCK EXCAVATION WHICH EQUALS 4463 CU YD



1 Revised 6/1/2011, GC

USER NAME = thampard	DESIGNED RDT/GC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 2 SCHEDULE OF QUANTITIES - 3				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0001 FT / IN.	DRAWN RDT	REVISED -		SCALE: N.T.S.	SHEET NO. 17 OF 530 SHEETS	STA.	TO STA.	734	77-2-2 & 77-2B-1	WINNEBAGO	530	17
PLOT DATE = 6/2/2011	CHECKED GC	REVISED -		CONTRACT NO. 64813								
	DATE 01-14-11	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

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X0300249 - REMOVE EXISTING GATE

LOCATION	(EACH)
STA. 724+47 105' LT. IL RTE 2	1
STA. 767+10 269' LT. IL RTE 2	1
STA. 1124+25 32' RT. FR D	1
STA. 826+04 107' RT. IL RTE 2	1
STA. 1648+75 40' RT. LATHAM RD	1

REMOVE EXISTING GATE, TOTAL = 5 EACH

X0323256 - REMOVE AND RELOCATE FLAGPOLE

LOCATION	(EACH)
STA. 159+66.00 1' RT FR RD C	1

REMOVE AND RELOCATE FLAGPOLE, TOTAL = 1 EACH

X0488100 - REMOVING EXISTING SEPTIC TANK

LOCATION	(EACH)
BUILDING REM #5	1
BUILDING REM #7	1
BUILDING REM #10	1

REMOVING EXISTING SEPTIC TANK, TOTAL = 3 EACH

X6063600 - COMBINATION CONCRETE CURB AND GUTTER TYPE M-4.24

LOCATION	LENGTH FOOT
IL ROUTE 2	
702+56.69 TO 709+50.00 LT.	693.3
702+56.69 TO 709+50.00 RT.	693.3
720+33.31 TO 721+74.47 RT.	151.9
722+52.77 TO 724+09.30 LT.	168.8
762+15.11 TO 763+34.67 RT.	119.6
764+84.89 TO 766+07.30 LT.	122.4
814+69.25 TO 815+81.00 RT.	111.8
818+00.00 TO 819+13.28 LT.	119.3
LATHAM ROAD	
1655+13.65 TO 1659+21.49 RT.	408.0
1655+13.65 TO 1659+43.77 LT.	430.1
1663+45.31 TO 1668+74.34 LT.	523.8
1663+45.31 TO 1668+08.42 RT.	458.3
1686+72.36 TO 1691+02.72 RT.	430.4
1686+94.65 TO 1691+02.72 LT.	408.3
CASTLE DRIVE	
304+41.00 TO 304+53.00 RT.	29.5
305+73.00 TO 305+87.27 LT.	30.1

COMBINATION CONCRETE CURB AND GUTTER TYPE M-4.24, TOTAL = 4,899.0 FOOT

X6064201 - COMBINATION CONCRETE CURB AND GUTTER TYPE M-4.06

LOCATION	LENGTH FOOT
IL ROUTE 2	
720+33.31 TO 721+74.47 RT.	144.0
722+52.77 TO 724+09.30 LT.	161.1
762+15.11 TO 763+34.67 RT.	119.6
764+84.89 TO 766+56.63 LT.	122.4
814+69.25 TO 815+81.00 RT.	111.8
818+00.00 TO 819+13.28 LT.	119.3
LATHAM ROAD	
1659+21.50 TO 1659+43.77 RT.	22.4
1668+08.42 TO 1668+74.34 LT.	66.3
1686+72.36 TO 1686+94.64 LT.	22.4
CASTLE DRIVE	
305+41.00 TO 305+53.00 RT.	18.0
305+73.00 TO 305+87.27 LT.	18.5

COMBINATION CONCRETE CURB AND GUTTER TYPE M-4.06, TOTAL = 925.5 FOOT

Z0001062 - DRAIN FOR AGGREGATE BASE COURSE

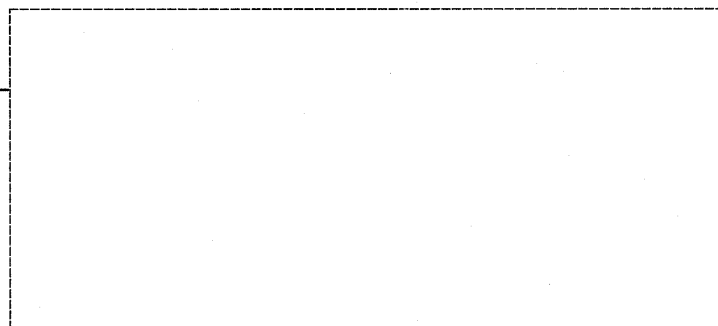
LOCATION	AREA (SQ FT)	AREA (SQ YD)
NB IL ROUTE 2		
746+83.61 LT	18.0	2.0
746+83.61 RT	12.0	1.3
759+16.00 LT	18.0	2.0
759+16.00 RT	12.0	1.3
771+30.85 LT	18.0	2.0
771+30.85 RT	12.0	1.3
807+34.00 LT	18.0	2.0
807+34.00 RT	12.0	1.3
SB IL ROUTE 2		
746+83.61 LT	18.0	2.0
746+83.61 RT	12.0	1.3
759+16.00 LT	18.0	2.0
759+16.00 RT	12.0	1.3
771+30.85 LT	18.0	2.0
771+30.85 RT	12.0	1.3
807+34.00 LT	18.0	2.0
807+34.00 RT	12.0	1.3
CASTLE DRIVE		
303+50.00 LT	24.0	2.7
303+50.00 RT	24.0	2.7
OLD RIVER ROAD		
1348+25.36 RT	24.0	2.7
1351+25.00 RT	24.0	2.7
FRONTAGE ROAD A		
117+00.00 RT	24.0	2.7
119+50.00 RT	24.0	2.7
120+50.00 LT	24.0	2.7
123+00.00 LT	24.0	2.7
FRONTAGE ROAD B1		
1003+00.00 RT	18.0	2.0
1006+00.00 LT	18.0	2.0
1009+00.00 RT	18.0	2.0
1009+00.00 LT	18.0	2.0
FRONTAGE ROAD B2		
1011+85.00 LT	18.0	2.0
1014+35.00 LT	18.0	2.0
1016+85.00 RT	18.0	2.0
FRONTAGE ROAD C		
150+00.00 LT	24.0	2.7
150+00.00 RT	24.0	2.7
153+00.00 RT	24.0	2.7
155+00.00 RT	24.0	2.7
162+47.00 LT	24.0	2.7
162+47.00 RT	24.0	2.7
164+50.00 LT	24.0	2.7
164+50.00 RT	24.0	2.7
167+79.09 RT	24.0	2.7
173+50.00 LT	24.0	2.7
173+50.00 RT	24.0	2.7
176+50.00 LT	24.0	2.7
179+50.00 LT	24.0	2.7
182+50.00 LT	24.0	2.7
185+50.00 LT	24.0	2.7
188+50.00 LT	24.0	2.7
191+50.00 LT	24.0	2.7
194+50.00 LT	24.0	2.7
FRONTAGE ROAD D		
1103+60.00 RT	18.0	2.0
1134+40.00 RT	18.0	2.0
1136+50.00 RT	18.0	2.0
1142+50.00 RT	18.0	2.0
1145+00.00 LT	18.0	2.0
1145+00.00 RT	18.0	2.0
1147+50.00 LT	18.0	2.0
1150+30.29 LT	18.0	2.0
FRONTAGE ROAD E		
258+00.00 RT	24.0	2.7
261+00.00 LT	24.0	2.7
261+00.00 RT	24.0	2.7
264+00.00 RT	24.0	2.7
264+00.00 LT	24.0	2.7

DRAIN FOR AGGREGATE BASE COURSE, TOTAL = 141

84200600 - REMOVAL OF LIGHTING UNIT, NO SALVAGE

LOCATION	(EACH)
STA. 724+73, 93' RT IL Rte 2	1
STA. 159+18, 0.5' RT FR C	1
STA. 724+73, 93' RT FR C	1

REMOVAL OF LIGHTING UNIT, NO SALVAGE, TOTAL = 3 EACH



78300100 PAVEMENT MARKING REMOVAL

LOCATION	6" White Skip Dash (sq ft)	4" Double Solid Yellow (sq ft)	4" Yellow Dash (sq ft)	4" Solid Yellow (sq ft)	Words & Arrows (Rual) (sq ft)	12" Yellow Diagonal (20' C-C) (sq ft)	4" White Solid (sq ft)	8" White Solid (sq ft)
Rte 2 South of Elmwood Rd	375	0	0	1000		0	2167	0
Elmwood Rd To 724+00.00	1000	0	0	2667		0	5500	0
815+50.00 To 818+50.00		107			241		320	
854+00.00 To 856+00.00		0	67	67		0	133	0
Bauer Road	76	600	0	0	78	450	300	276
Sub total	1451	707	67	3733	319	450	8420	276

PAVEMENT MARKING REMOVAL TOTAL = 15423 Sq. ft



Revised 6/1/2011, GC

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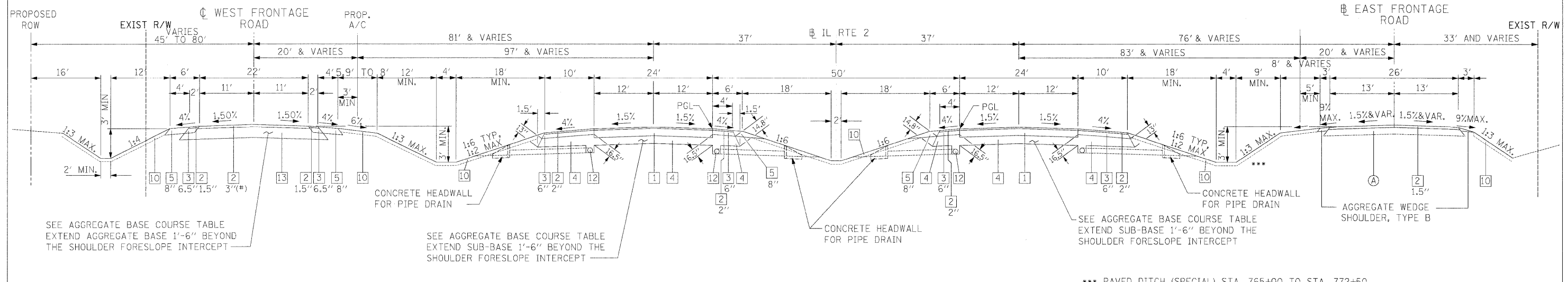
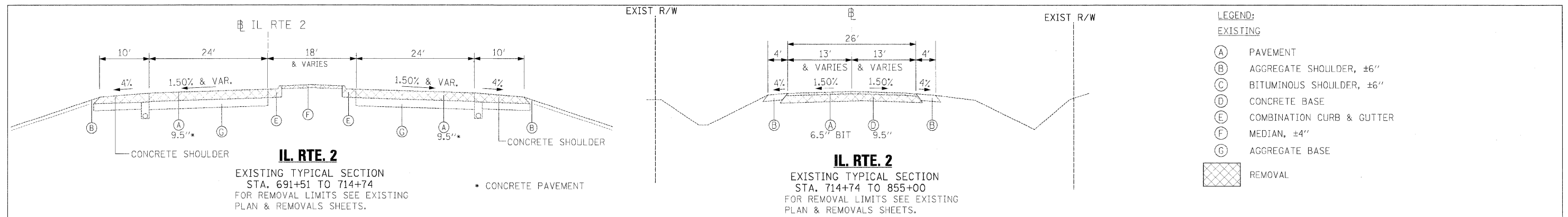
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PLOT SCALE = 50,000:1 FT / IN.	DRAWN RDT	REVISED -
PLOT DATE = 6/1/2011	CHECKED GC	REVISED -
	DATE 01-14-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 2
SCHEDULE OF QUANTITIES - 22

SCALE: N.T.S. SHEET NO. 36 OF 530 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
734	77-2-2 & 77-2B-1	WINNEBAGO	530	36
CONTRACT NO. 64813			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



IL RTE. 2 w/FRONTAGE ROADS

TYPICAL SECTION
 STA. 709+50 TO 714+89
 STA. 729+36 TO 742+16.71
 STA. 743+89.71 TO 756+91
 STA. 771+29 TO 809+46
 STA. 823+79 TO 838+80

*** PAVED DITCH (SPECIAL) STA. 765+00 TO STA. 772+50.
 SEE PAVED DITCH (SPECIAL) DETAIL (STD 36.2)

PROPOSED:

- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12.5" (2" POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 10.5" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70) SEE NOTE #2
- 2 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 SEE NOTE #2
- 3 HOT-MIX ASPHALT SHOULDERS, 6" OR 6 1/2"
- 4 SUB-BASE GRANULAR MATERIAL, TYPE A (SEE NOTE #4)
- 5 AGGREGATE SHOULDERS, TYPE A
- 6 INCIDENTAL HOT-MIX ASPHALT SURFACING, N50
- 7 COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24
- 8 COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.06
- 9 CONCRETE MEDIAN SURFACE, 4" (SEE NOTE #3)
- 10 TOPSOIL FURNISH AND PLACE, 6" OR 12" (SEE NOTE #5)
- 11 AGGREGATE BASE COURSE, TYPE B (FOR DRIVEWAYS)
- 12 PIPE UNDERDRAIN, 4" (SEE STANDARD DETAIL SUBSURFACE DRAINS)
- 13 AGGREGATE BASE COURSE, TYPE A (SEE NOTE #4)

NOTES:

- 1. SEE PLAN SHEETS FOR ACTUAL LOCATION OF PROPOSED RIGHT OF WAY, AND PROPOSED ACCESS CONTROL LIMITS.
- 2. SEE THIS SHEET FOR BITUMINOUS MIXTURE REQUIREMENTS AND HOT-MIX ASPHALT LIFTS THICKNESS.
- 3. AGGREGATE FILL SHALL CONFORM TO ARTICLE 606.09, AND SHALL BE INCLUDED IN THE COST OF CONCRETE MEDIAN SURFACE, 4 INCH.
- 4. SUB-BASE GRANULAR MATERIAL IS 12" ON IL 2 AND LATHAM ROAD. AGGREGATE BASE COURSE IS 15" ON FRONTAGE ROADS UNLESS OTHERWISE NOTED. SEE TYPICAL SECTION 4 FOR TABLE "IL 2 VARIABLE AGGREGATE BASE COURSE, TYPE A" AND FOR LOCATION OF GEOTECHNICAL FABRIC FOR GROUND STABILIZATION.
- 5. TOPSOIL, IS 6" UNLESS OTHERWISE SHOWN. SEE SHEET TYPICAL SECTION 4 FOR TABLE "12" TOPSOIL APPLICATION AREAS."
- 6. FOR FRONTAGE ROADS TYPICAL SECTIONS AND DETAILS SEE TYPICAL SECTION SHEET 3 AND 4.
- 7. QUARRY RUN GRANULAR EMBANKMENT IS USED FROM STA. 741+00 TO STA. 748+00. SEE CROSS SECTIONS FOR THICKNESS.

**STRUCTURAL DESIGN INFORMATION (FLEXIBLE PAVEMENT)
 IL ROUTE 2**

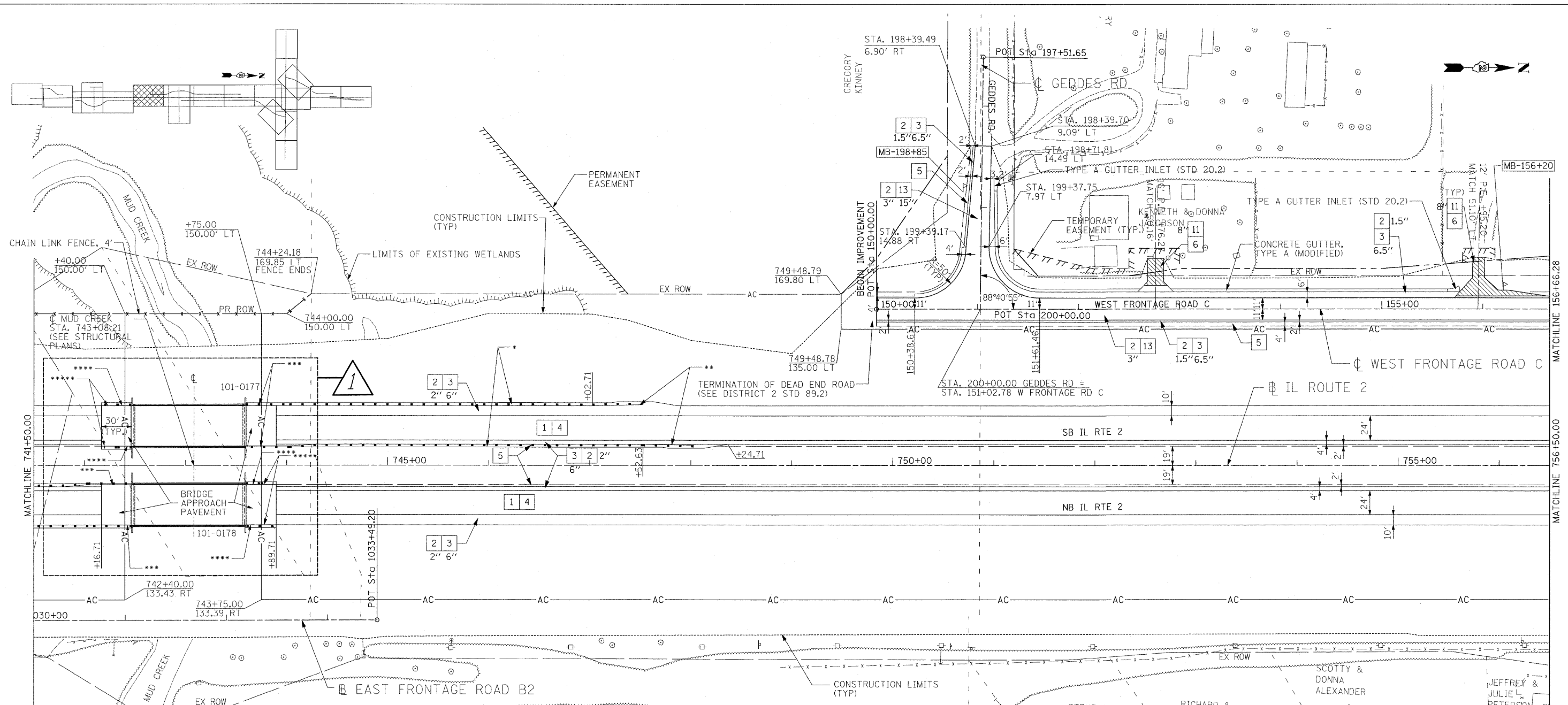
STRUCTURAL DESIGN TRAFFIC: 16650	YEAR: 2015
PV = 15,565	SU = 500 MU = 585
ROAD/STREET CLASSIFICATION: PRINCIPAL ARTERIAL (EXPRESSWAY)	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:	
P = 32%	S = 45% M = 45%
TRAFFIC FACTOR: 4.33	MINIMUM TF: 0.5 AC TYPE: 20
SOIL TYPE: POOR	

BITUMINOUS MIXTURE REQUIREMENTS:

- 1. FOR MAINLINE AND LATHAM ROAD USE THE FOLLOWING: HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12.5" THE BREAK DOWN IS AS FOLLOWS: (2" POLYMERIZED HMA SURFACE COURSE, MIX "D", N70 TOP LIFT BINDER 3" - POLYMERIZED HMA BINDER COURSE, IL-19.0, N70 MIDDLE LIFT BINDER 3.5" - HMA BINDER COURSE, IL-19, N70 BOTTOM LIFT BINDER 4" - HMA BINDER COURSE, IL-19, N70)
- 2. FOR ALL REMAINING SIDEROADS USE THE FOLLOWING: HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 ALL ARE TO BE DONE IN 2 LIFTS. ALSO, THE RESURFACING OF EXISTING IL RTE 2 SHALL BE 1 LIFT OF 1.5" TOTAL.
- 3. FOR SHOULDERS USE THE FOLLOWING: HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (TOP 1.5" OR 2-INCHES ACCORDING TO D2 STANDARD 23.4A) HOT-MIX ASPHALT SHOULDERS, 6" OR 6.5" (SEE D2 STANDARD 23.4A)

NOTE:
 THE LEGEND ON ALL TYPICAL SECTIONS AND PLAN SHEETS FOR IL ROUTE 2 AND LATHAM ROAD SHOULD BE REVISED TO STATE THE FOLLOWING: HMA PAVEMENT (FULL-DEPTH), 12.5". THE BREAK DOWN IS AS FOLLOWS:
 (2" POLYMERIZED HMA SURFACE COURSE, MIX "D", N70
 TOP LIFT BINDER 3" - POLYMERIZED HMA BINDER COURSE, IL-19, N70
 MIDDLE LIFT BINDER 3.5" - HMA BINDER COURSE, IL-19, N70
 BOTTOM LIFT BINDER 4" - HMA BINDER COURSE, IL-19, N70)

DESIGNED STS/GC	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 2 TYPICAL SECTIONS 1	F.A.P. RTE. 734	SECTION 77-2-2 & 77-2B-1	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 39
DRAWN RDT	REVISIONS			SCALE: NTS	SHEET NO. 39 OF 530 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
CHECKED GC	REVISIONS						CONTRACT NO. 64813	
DATE 01-14-11	REVISIONS							



- KEY**
- 1 HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12.5"
SEE NOTE #3
 - 2 2" HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
 - 3 10.5" HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
 - 4 HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50
 - 5 HOT-MIX ASPHALT SHOULDERS
 - 6 SUB-BASE GRANULAR MATERIAL, TYPE A
 - 7 AGGREGATE SHOULDERS, TYPE A
 - 8 INCIDENTAL HOT-MIX ASPHALT SURFACING (2" AT DRIVEWAYS)
 - 9 COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.24
 - 10 COMBINATION CONCRETE CURB & GUTTER, TYPE M-4.06
 - 11 CONCRETE MEDIAN SURFACE, 4" OR CONCRETE MEDIAN, TYPE SM-4.24
 - 12 TOPSOIL FURNISH AND PLACE, 6" OR 12"
 - 13 AGGREGATE BASE COURSE, TYPE B
 - 14 PIPE UNDERDRAIN, 4"
 - 15 AGGREGATE BASE COURSE, TYPE A (SEE SCHEDULE FOR VARIABLE THICKNESS AREAS)

- LEGEND**
- HOT-MIX ASPHALT DRIVEWAY
 - AGGREGATE DRIVEWAY (AGGREGATE BASE COURSE, TYPE B, 8")
 - HOT-MIX ASPHALT SURFACE COURSE OVER EX. PAVEMENT
 - * STEEL PLATE BEAM GUARDRAIL, TYPE A
 - ** TRAFFIC BARRIER TERMINAL TYPE 1 SPECIAL (TANGENT)
 - *** TRAFFIC BARRIER TERMINAL TYPE 6
 - **** TRAFFIC BARRIER TERMINAL TYPE 5
 - ***** TRAFFIC BARRIER TERMINAL TYPE 2

- NOTES**
1. DRIVEWAYS ARE AT 90° ANGLE TO ϕ ROADWAY UNLESS OTHERWISE SHOWN.
 2. ALL DIMENSIONS SHOWN EOP-TO-EOP UNLESS OTHERWISE NOTED.
 3. PROPOSED HOT-MIX ASPHALT SHOULDERS IN AREA OF RETURNS AND ADJACENT TO RIGHT-TURN LANE TO BE 4.0' IN WIDTH.
 4. LAYOUT OF ALL DRIVEWAYS AND MAILBOX RETURNS, AS WELL AS MAILBOX TURNOUTS SHALL COMPLY WITH ILLINOIS DISTRICT 2 STANDARD 20.1
 5. REFER TO HORIZONTAL ALIGNMENT SHEETS FOR ALL ALIGNMENT INFORMATION.
 6. SEE DRAINAGE DETAIL SHEETS AND CULVERT PLANS FOR RELATED DRAINAGE ITEMS.
 7. CORNER ISLANDS TO BE CONSTRUCTED IN ACCORDANCE WITH HIGHWAY STD. 606301 (PC CORNER ISLANDS & MEDIANS)
 8. EAST FRONTAGE RD. BASELINE (B) DOES NOT REFLECT THE EXISTING CROWLINE OF THE ROAD. IT PROVIDES A BASELINE FOR REFERENCE PURPOSES ONLY.

BENCHMARK
 BM 2: TOP OF BRONZE SURVEY MARKER @ N.W. CORNER OF BRIDGE ON ABUTMENT SEAT, 170' RT. STA. 743+40 EL. 715.17

1 Revised 6/1/2011, GC

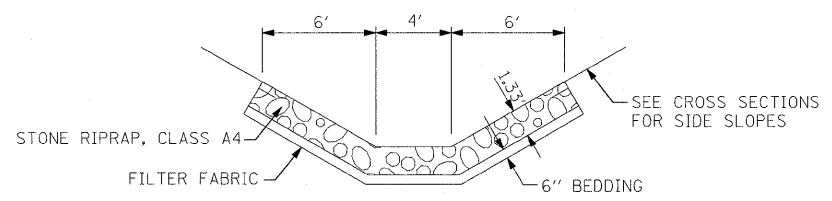
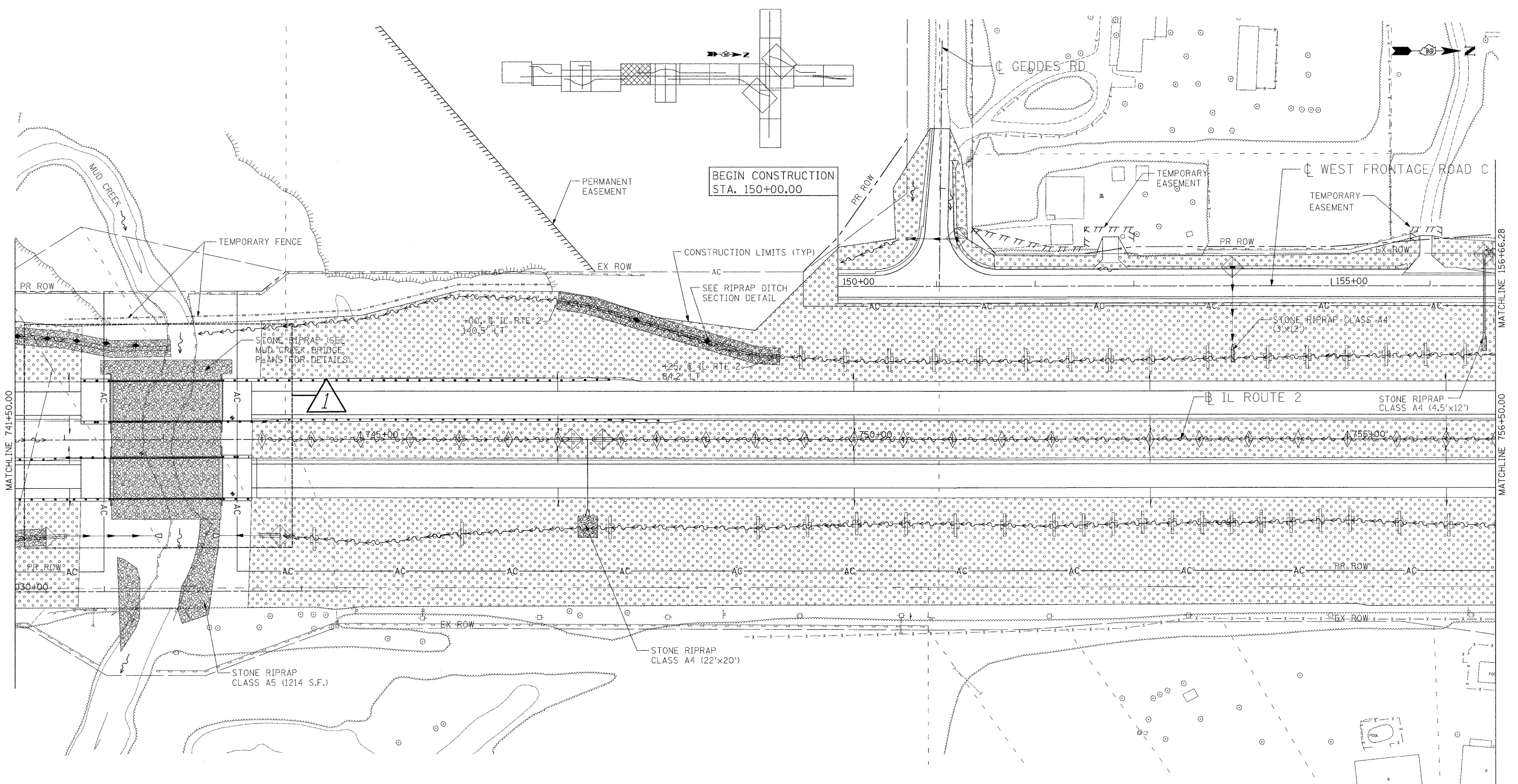
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PLOT SCALE = 50.0000 FT / IN.	DATE 01-14-11	REVISED -
PLOT DATE = 6/1/2011		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 2 PLAN 5 STA 741+50 TO 756+50	
SCALE: 1"=50'	SHEET NO. 77 OF 530 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
734	77-2-2 & 77-2B-1	WINNEBAGO	530	77
CONTRACT NO. 64813			ILLINOIS FED. AID PROJECT	

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TYPICAL RIPRAP DITCH SECTION

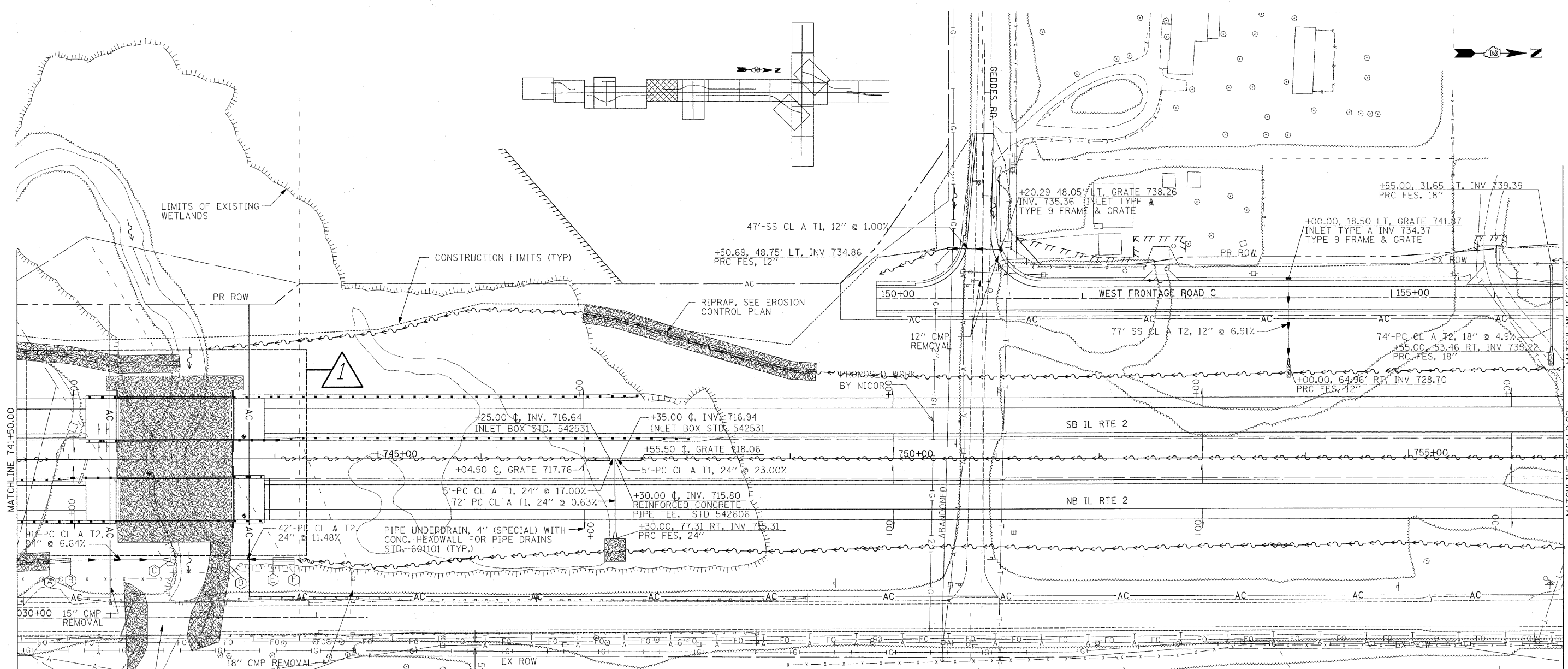
1 Revised 6/1/2011, GC

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PLOT DATE = 6/1/2011	CHECKED GC	REVISED -
	DATE 01-14-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 2 EROSION CONTROL PLAN 5 STA 741+50 TO 756+50		
SCALE: 1"=50'	SHEET NO. 173 OF 530 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
734	77-2-2 & 77-2B-1	WINNEBAGO	530	173
CONTRACT NO. 64813				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



DRAINAGE LEGEND

PRC	PRECAST REINFORCED CONCRETE
FES	FLARED END SECTION
EQRS	ELLIPTICAL EQUIVALENT ROUND SIZE
CL	CLASS
T	TYPE

DRAINAGE GENERAL NOTES:

- THE CONTRACTOR SHALL COORDINATE THE PROPOSED DRAINAGE SYSTEM CONSTRUCTION WITH ALL OTHER UTILITY ADJUSTMENTS AND INSTALLATIONS AS APPROVED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN CONSTRUCTION OF THE PROPOSED DRAINAGE SYSTEM.
- DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN ALL SURFACE DRAINAGE WITHIN THE PROJECT LIMITS. ALL STORM FLOW MUST BE MAINTAINED AT ALL TIMES, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- ANY EXISTING DRAINAGE FACILITIES DISTURBED OR DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT CONTRACTORS EXPENSE. THIS WORK SHALL MEET THE SATISFACTION OF THE ENGINEER.
- ROADWAY AND DITCH PROFILES ARE SHOWN ON PROFILE SHEETS.
- SEE BOX CULVERT PLANS FOR DETAILS OF BOX CULVERTS.
- LATERAL DISTANCES FROM THE CENTERLINES/BASELINES ON ALL INLETS IN A CURB LINE ARE AT THE EDGE OF PAVEMENT. LATERAL DISTANCES FROM THE CENTERLINES/BASELINES ON ALL INLETS OR MANHOLES ARE TO THE CENTER OF L.I.D.
- ALL CULVERT PIPES UNDER DRIVEWAYS SHALL MATCH FLOW LINES OF DITCH.
- ALL PIPE UNDERDRAIN HEADWALLS INSTALLED PER STANDARD 601001.
- ALL CORRUGATED METAL PIPE (CMP) REMOVALS SHALL BE INCLUDED IN EARTH EXCAVATION.
- ALL RIPRAP DIMENSIONS AND CLASS SHOWN ON EROSION CONTROL PLANS.

- (A) +81.45, 98.44 RT, GRATE 714.05
- (B) +01.92, 97.25 RT, INV 712.94
INLET BOX STD. 542531
- (C) +98.45, 97.25 RT, INV 706.50
PRC FES, 24"
- (D) +50.86, 97.25 RT, INV 706.50
PRC FES, 24"
- (E) +98.08, 97.25 RT, INV 712.02
INLET BOX STD. 542531
- (F) +18.58, 97.25 RT, GRATE 713.13

FOR BRIDGE AND APPROACH SLAB DRAINAGE INFORMATION SEE BRIDGE GENERAL PLAN.

SW WET BASIN

DATA POINT	FR C STA.	OFFSET, RT
A1	160+66.54	111.83
A2	160+68.45	102.21
A3	161+31.67	102.21
A4	162+87.38	102.96
A5	163+40.12	102.96
A6	163+50.12	112.96
A7	163+50.12	146.85
A8	163+40.45	156.85
A9	160+86.43	120.06
B1	159+06.16	116.45
B2	158+88.90	79.06
B3	159+00.76	52.35
B4	159+26.27	38.13
B5	161+31.67	38.13
B6	162+82.76	38.88
B7	163+62.89	38.88
B8	164+12.89	88.88
B9	164+12.89	160.53
B10	163+54.84	220.49
B11	160+61.29	179.01
B12	159+68.78	140.74

NW WET BASIN

DATA POINT	FR C STA.	OFFSET, RT
C1	166+08.50	151.46
C2	165+70.74	113.32
C3	165+70.09	98.84
C4	165+84.72	83.17
C5	166+05.32	84.83
C6	166+52.85	93.67
C7	166+71.13	95.36
C8	167+08.58	95.36
C9	169+29.36	95.36
C10	169+68.81	95.36
C11	169+72.31	114.73
C12	168+87.58	141.28
D1	165+63.64	213.44
D2	165+07.00	156.23
D3	165+03.26	73.18
D4	165+33.34	41.83
D5	165+88.80	42.02
D6	166+13.75	40.54
D7	166+55.49	35.44
D8	169+25.29	31.00
D9	171+45.03	31.00

NW WET BASIN

DATA POINT	FR C STA.	OFFSET, RT
D10	173+15.96	51.12
D11	173+31.66	52.87
D12	174+66.54	51.85
D13	174+76.54	61.85
D14	174+76.54	67.00
D15	174+66.54	77.00
D16	173+15.44	76.85
D17	169+29.53	199.42

FOR WET BASIN DATA POINT LOCATION, SEE DRAINAGE PLAN 6 FOR DETAILS.

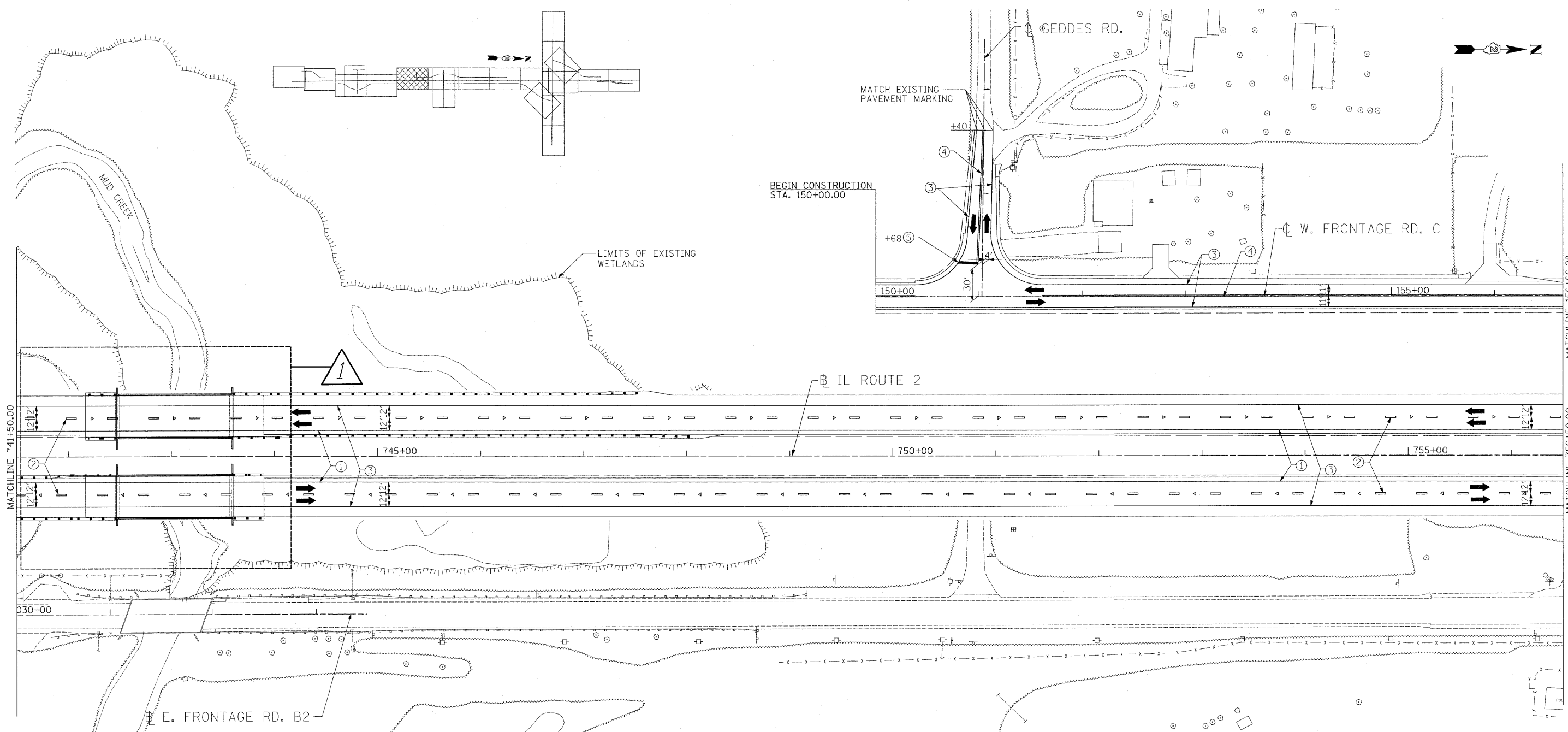
1 Revised 6/1/2011, GC

USER NAME = czysog	DESIGNED STS/GC	REVISED -
PLOT SCALE = 50.0000 FT / IN.	DRAWN RDT	REVISED -
PLOT DATE = 6/1/2011	CHECKED GC	REVISED -
	DATE 01-14-11	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ILLINOIS ROUTE 2
DRAINAGE PLAN 5
STA 741+50 TO 756+50
SCALE: 1"=50' SHEET NO. 194 OF 530 SHEETS STA. TO STA.

F.A.P. RTE. 734	SECTION 77-2-2 & 77-2B-1	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 194
FED. ROAD DIST. NO. ILLINOIS		FED. AID PROJECT CONTRACT NO. 64813		



BEGIN CONSTRUCTION
STA. 150+00.00

PAVEMENT MARKING LEGEND

- ① 4" YELLOW SOLID
 - ② 6" WHITE SKIP DASH
 - ③ 4" WHITE SOLID
 - ④ 4" DOUBLE YELLOW
 - ⑤ 24" WHITE STOP BAR
 - ⑥ 4" YELLOW SKIP DASH
 - ⑦ 8" WHITE SOLID
 - ⑧ 8" WHITE SKIP DASH
 - *⑨ 12" WHITE DIAGONAL (20' c-c)
* SPA. @ 6' c-c
 - ⑩ 12" YELLOW DIAGONAL (30' c-c)
 - ⑪ ARROWS
- DIRECTION OF TRAVEL
 TWO-WAY AMBER MARKER
 ONE-WAY AMBER MARKER
 ONE-WAY CRYSTAL MARKER
 RRRM RAISED REFLECTIVE PAVEMENT MARKER
- ARROW

- NOTES:
- ALL RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE SPACED AT 80' CENTERS UNLESS OTHERWISE NOTED. (40' CENTERS AT MEDIANS)
 - FOR ALL PAINTED ISLANDS, SEE DISTRICT STD. 93.4
 - FOR ALL PAINTED MEDIANS, SEE DISTRICT STD. 41.1
 - FOR STANDARD SPACING & LOCATION OF RAISED REFLECTIVE PAVEMENT MARKERS, SEE IDOT HIGHWAY STD. 781001
 - CENTERLINE PAVEMENT MARKING ON FRONTAGE ROADS IS SHOWN FOR INFORMATION ONLY. PAVEMENT MARKING FOR THE CENTERLINE SHALL BE DETERMINED IN THE FIELD.
 - ALL PAVEMENT MARKINGS MATERIAL SHALL BE AS SHOWN ON DISTRICT STD. 41.1

Revised 6/1/2011, GC

USER NAME = czyszcg	DESIGNED STS/GC	REVISED -
DRAWN RDT	REVISOR	REVISED -
PLOT SCALE = 50,000 FT / IN.	CHECKED GC	REVISED -
PLOT DATE = 6/1/2011	DATE 01-14-11	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

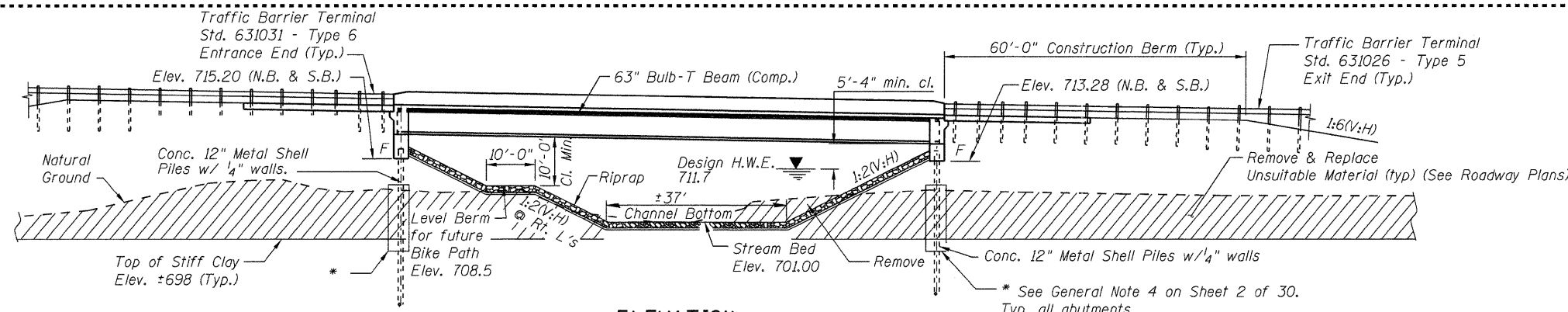
ILLINOIS ROUTE 2 PAVEMENT MARKING 5 STA 741+50 TO 756+50		F.A.P. RTE. 734	SECTION 77-2-2 & 77-28-1	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 215
SCALE: 1"=50'	SHEET NO. 215 OF 530 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64813

I:\Projects\11224\Specimens\1\Drawings\Civil\Development\Markings\50666813-11224-11224.dwg

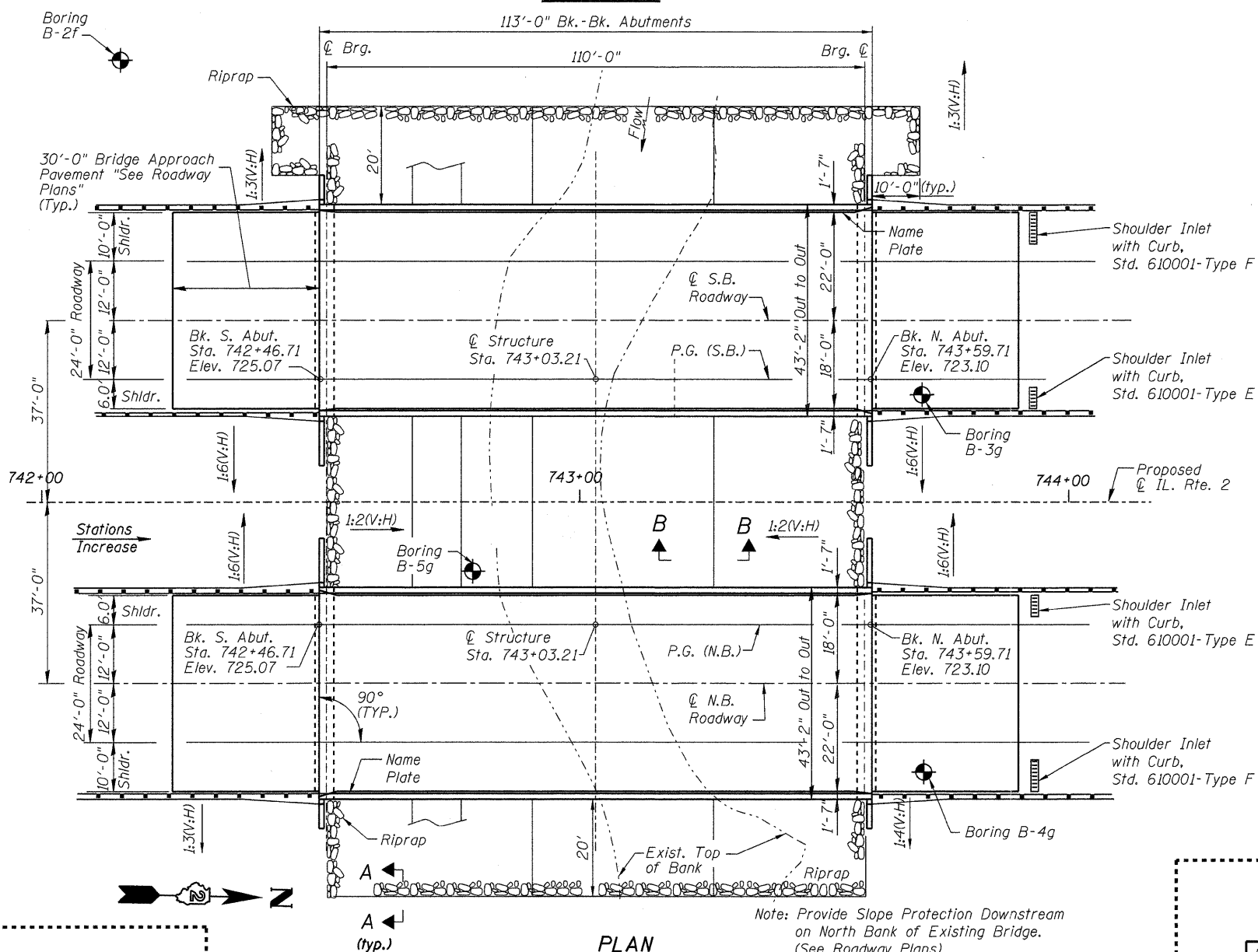
Bench Mark: N.W. corner of abutment seat of bridge on existing Il. Rte. 2 alignment.
Sta. 743+39, 137' Rt. Elevation 715.17

Existing Structure: None

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION



PLAN

Note: Provide Slope Protection Downstream on North Bank of Existing Bridge. (See Roadway Plans)

See Sheets 27 and 28 for Sections A-A and B-B

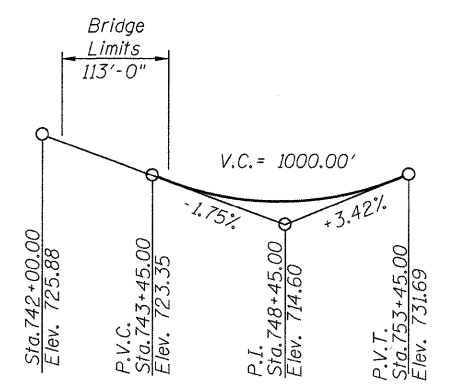
DESIGNED - JAN
CHECKED - JAW
DRAWN - BTO
CHECKED - JAW

STATION 743+03.21
BUILT 2011 BY
STATE OF ILLINOIS
F.A.P. RT. 734 SEC. 77-2B-1
WINNEBAGO COUNTY
LOADING HS20
STR. NO. 101-0177

NAME PLATE (S.B.)
See Std. 515001

STATION 743+03.21
BUILT 2011 BY
STATE OF ILLINOIS
F.A.P. RT. 734 SEC. 77-2B-1
WINNEBAGO COUNTY
LOADING HS20
STR. NO. 101-0178

NAME PLATE (N.B.)
See Std. 515001



PROFILE GRADE

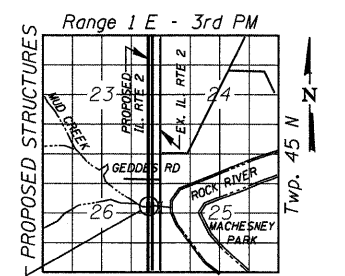
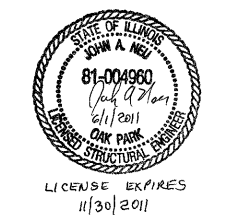
DESIGN SPECIFICATIONS
2002 AASHTO Standard Spec. (17th Edition)

LOADING HS20-44
Allow 50#/sq. ft. for future wearing surface.

SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 3.5%
Site Coefficient (S) = 1.2

DESIGN STRESSES
FIELD UNITS
 $f_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinf.)
PRECAST UNITS
 $f_g = 270,000$ psi ($\frac{1}{2}$ " ϕ Low Relax. Strands)
 $f_{si} = 201,960$ psi ($\frac{1}{2}$ " ϕ Low Relax. Strands)
 $f_c = 6,000$ psi
 $f_{ci} = 5,000$ psi

APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Carl Perry
ENGINEER OF BRIDGES AND STRUCTURES



LOCATION SKETCH

WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Natural High Water El.	Head-Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Ten-Year	10	1114	N/A	639	711.5	N/A	0.1	N/A	711.6
Design	50	1702	N/A	656	711.7	N/A	0.3	N/A	712.0
Base	100	1947	N/A	674	711.9	N/A	0.4	N/A	712.3
Overtopping									
Max. Calc.	500	2525	N/A	702	712.2	N/A	0.5	N/A	712.7

10-Year Velocity through Existing Bridge = N/A 10-Year Velocity through Proposed Bridge = 1.8 fps

GENERAL PLAN
IL RT. 2 OVER MUD CREEK (PUBLIC WATER)
F.A.P. ROUTE 734 SEC. 77-2B-1
WINNEBAGO COUNTY
STRUCTURE NO. 101-0177 & 101-0178

DESIGN SCOUR TABLE

Design Scour Elevation	S. Abut.	N. Abut.
	715.2	713.3

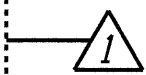
Revised 6/1/2011, JAN

SHEET NO. 1 30 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	734	77-2B-1, 77-2-2	WINNEBAGO	530	273
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		CONTRACT NO. 64813	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
2. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
3. The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
4. Piles shall be installed through the zone where unsuitable materials will be removed and replaced without damage by driving prior to Quarry Run placement, by placing CMP sleeves at the pile locations, or by placing a finer gradation aggregate approved by the District Geotechnical Engineer. Cost included in Driving Piles.
5. The contractor shall drive 1-12"φ Metal Shell Pile test pile in a permanent location at both the north and south abutments as directed by the Engineer before ordering the remainder of the piles.
6. All construction joints shall be bonded.
7. The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
8. Slip forming of parapets is not allowed.

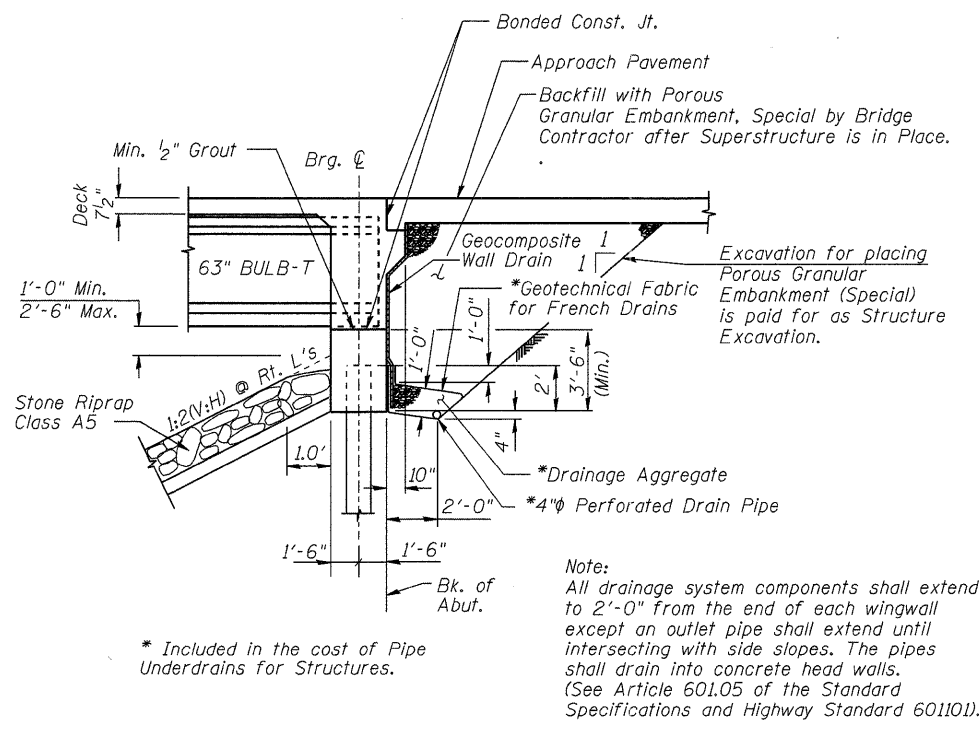


TOTAL BILL OF MATERIAL

DESCRIPTION	UNIT	SUB-STRUCTURE	SUPER STRUCTURE	TOTAL QUANTITIES
Porous Granular Embankment, Special	CU YD	500		500
Stone Riprap, Class A5	SQ YD	2075		2075
Filter Fabric	SQ YD	2075		2075
Structure Excavation	CU YD	632		632
Concrete Structures	CU YD	80.0		80.0
Concrete Superstructure	CU YD		401.4	401.4
Bridge Deck Grooving	SQ YD		954	954
Protective Coat	SQ YD		1194	1194
Furnishing and Erecting Precast Prestressed Concrete Bulb-T Beams, 63"	FOOT		1559	1559
Reinforcement Bars, Epoxy Coated	POUND	11380	66520	77900
Furnishing Metal Shell Piles, 12" x 0.250"	FOOT	2046		2046
Driving Piles	FOOT	2046		2046
Test Pile Metal Shells	EACH	4		4
Name Plates	EACH		2	2
Bar Splicers	EACH		156	156
Pipe Underdrains for Structures 4"	FOOT	261		261
Geocomposite Wall Drain	SQ YD	244		244

INDEX OF SHEETS

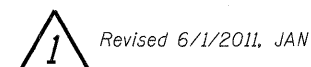
- 1 General Plan
- 2 General Notes, B.O.M., & Index of Sheets
- 3 Deck Elevation Plan Northbound
- 4 Deck Elevations Northbound
- 5 Deck Elevations Northbound
- 6 Deck Elevation Plan Southbound
- 7 Deck Elevations Southbound
- 8 Deck Elevations Southbound
- 9 Top of Approach Slab Elevations Northbound
- 10 Top of Approach Slab Elevations Southbound
- 11 Deck Plan - Northbound
- 12 Deck Plan - Southbound
- 13 Deck Cross Section Northbound
- 14 Deck Cross Section Southbound
- 15 NB Superstructure Details & B.O.M.
- 16 SB Superstructure Details & B.O.M.
- 17 Framing Plan NB & Moment Table
- 18 Beam Elevation & Details
- 19 Framing Plan SB & Moment Table
- 20 South Abutment Northbound
- 21 Abutment Details
- 22 North Abutment Northbound
- 23 South Abutment Southbound
- 24 North Abutment Southbound
- 25 Pile Details
- 26 Bar Splicer Assembly
- 27 Slope Protection Northbound
- 28 Slope Protection Southbound
- 29 Boring Logs
- 30 Boring Logs



SECTION THRU INTEGRAL ABUTMENT

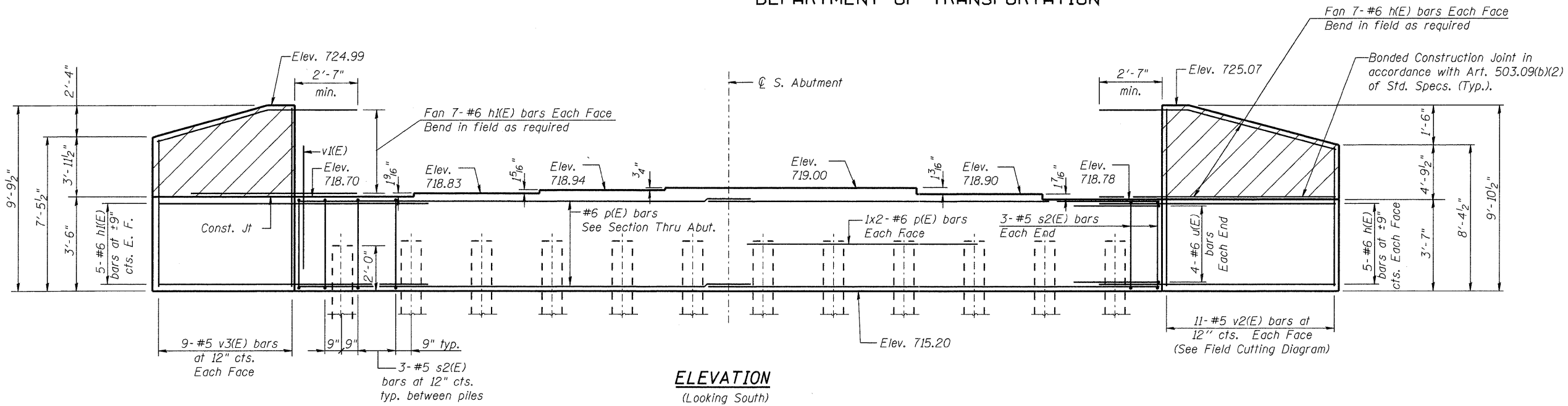
**GENERAL NOTES, B.O.M., & INDEX OF SHEETS
STRUCTURE NO. 101-0177 & 101-0178**

DESIGNED -	BTO
CHECKED -	JAN
DRAWN -	BTO
CHECKED -	JAN

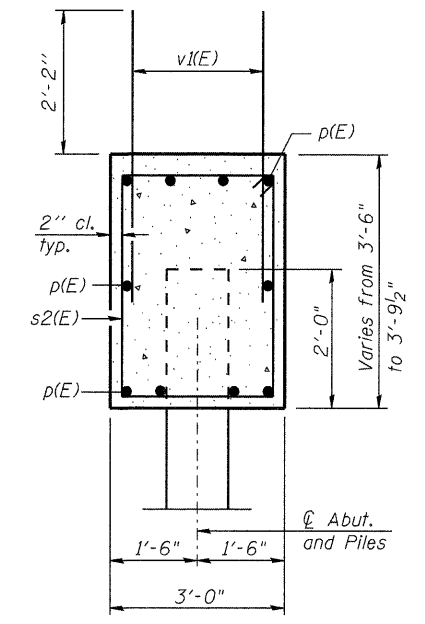


SHEET NO. 2 30 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	734	77-2B-1, 77-2-2	WINNEBAGO	530	274
			CONTRACT NO. 64813		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

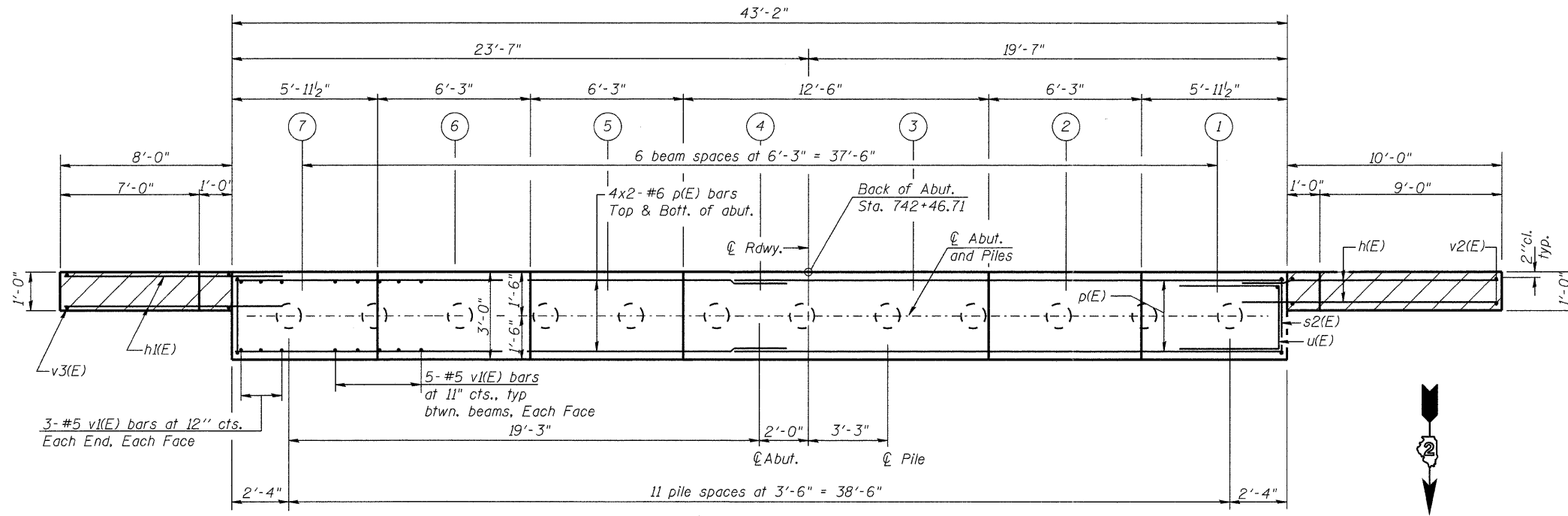
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION
(Looking South)



SEC. THRU ABUT.

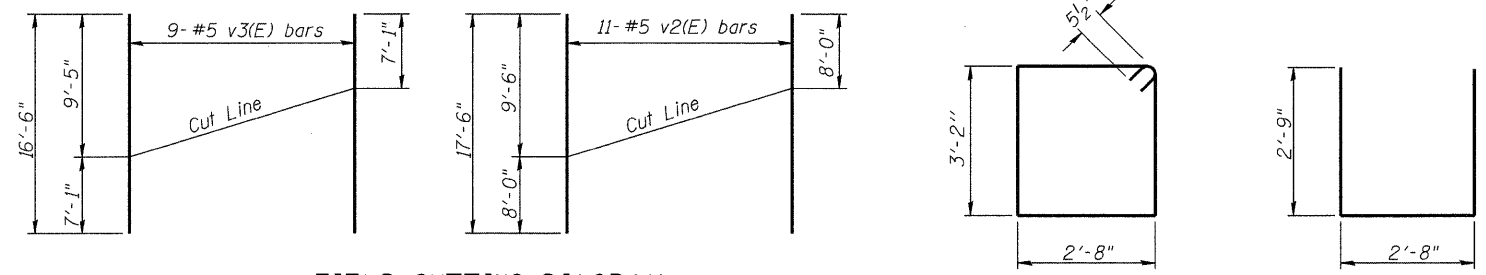


PLAN

PILE DATA
Type and Size: 12" ϕ Metal Shell w/1/4" walls
Nominal Required Bearing: 330 kips
Allowable Resistance Available: 110 kips
Est. Pile Length: 47'
Number of Production: 11
Number of Test Piles: 1
The metal shell piles shall be according to ASTM A252, Grade 3.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#6	13'-1"	—
h1(E)	24	#6	11'-1"	—
p(E)	20	#6	22'-6"	—
s2(E)	39	#5	12'-7"	□
u(E)	8	#6	8'-2"	—
v1(E)	72	#5	4'-4"	—
v2(E)	11	#5	17'-6"	—
v3(E)	9	#5	16'-6"	—
Concrete Structures		Cu. Yd.	20.0	
Reinforcement Bars, Epoxy Coated		Pound	2840	
Test Pile Metal Shell		Each	1	
Furnishing Metal Shell Piles, 12" x 0.250"		Foot	517	
Driving Piles		Foot	517	
Structure Excavation		Cu. Yd.	158	



FIELD CUTTING DIAGRAM

Order v2(E) & v3(E) full length. Cut as shown and use remainder of bars in opposite face.

- Notes:
- 1) Pour steps monolithically with cap.
 - 2) Reinforcement bars designated (E) shall be epoxy coated.
 - 3) All edges shall have 3/4" chamfers except as noted.
 - 4) Hatched area to be poured with deck after beams are in place. Quantity of concrete for hatched area included with "Concrete Superstructure" on Sheet 15.
 - 5) The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

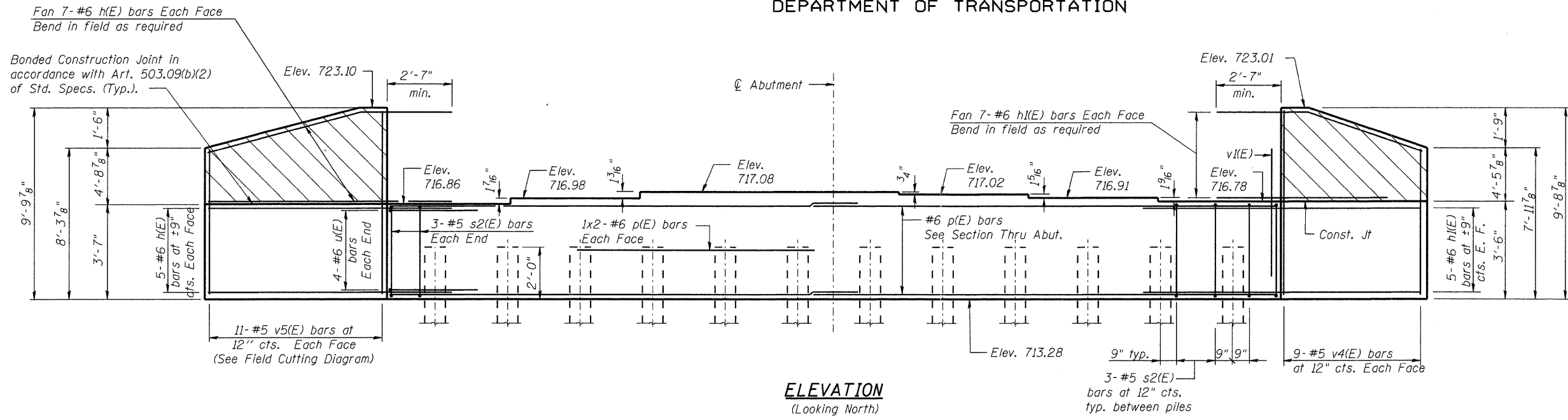
DESIGNED - JAN
CHECKED - BTO
DRAWN - BTO
CHECKED - JAN

SHEET NO. 20 30 SHEETS	F.A.P. RTE. 734	SECTION 77-2B-1, 77-2-2	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 292
	CONTRACT NO. 64813				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

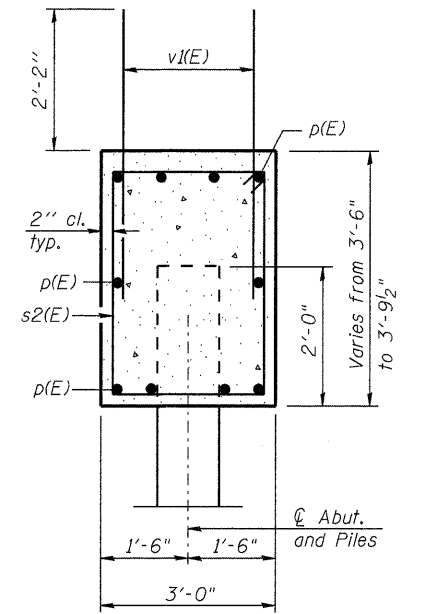
**SOUTH ABUTMENT NORTHBOUND
STRUCTURE NO. 101-0178**

Revised 6/1/2011, JAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

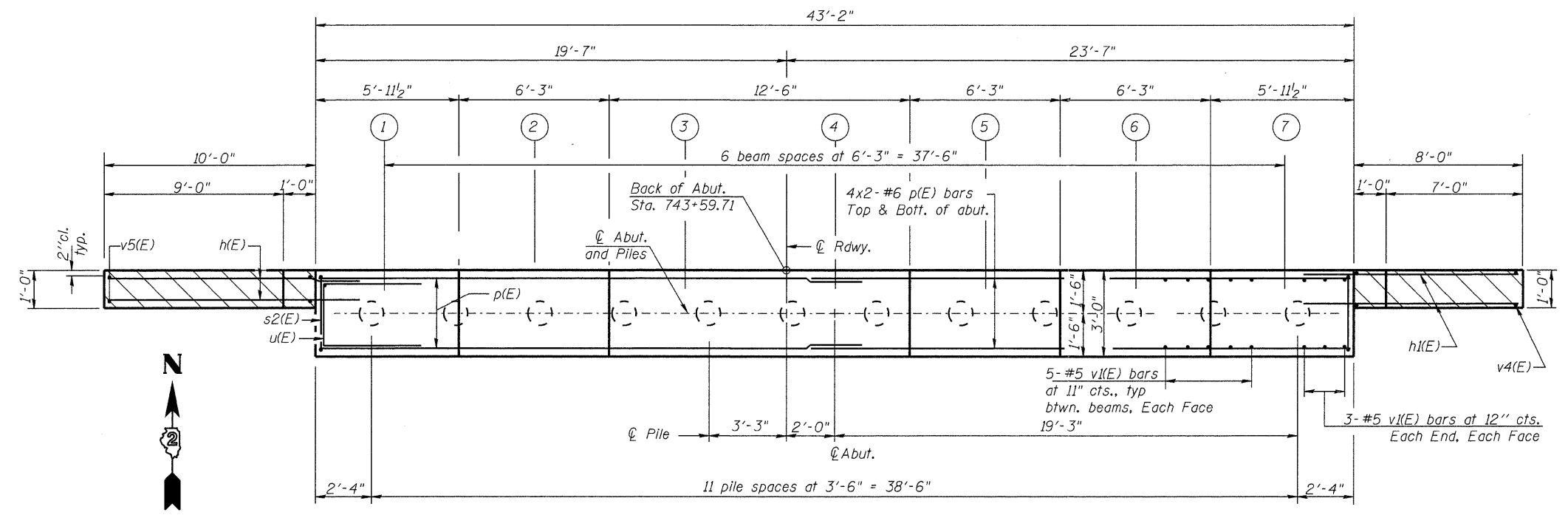


ELEVATION
(Looking North)



SEC. THRU ABUT.
PILE DATA

Type and Size: 12" ϕ Metal Shell w/1/4" walls
Nominal Required Bearing: 330 kips
Allowable Resistance Available: 110 kips
Est. Pile Length: 46'
Number of Production: 11
Number of Test Piles: 1
The metal shell piles shall be according to ASTM A252, Grade 3.



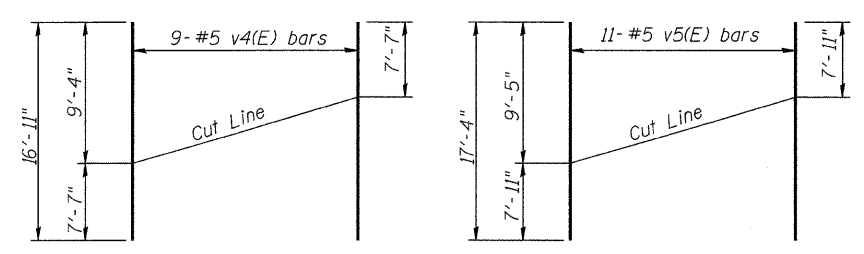
PLAN

Min. Lap Bar #6 = 2'-7"

BILL OF MATERIAL

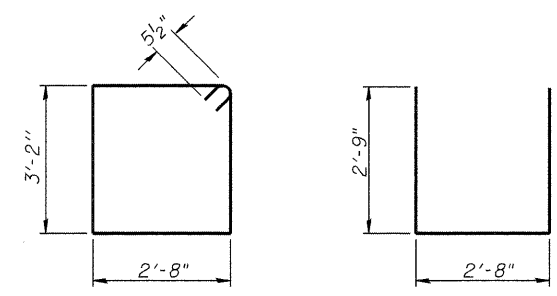
Bar	No.	Size	Length	Shape
h(E)	24	#6	13'-1"	—
h(E)	24	#6	11'-1"	—
p(E)	20	#6	22'-6"	—
s2(E)	39	#5	12'-7"	□
u(E)	8	#6	8'-2"	U
v1(E)	72	#5	4'-4"	—
v4(E)	9	#5	16'-11"	—
v5(E)	11	#5	17'-4"	—
Concrete Structures		Cu. Yd.	20.0	
Reinforcement Bars, Epoxy Coated		Pound	2850	
Test Pile Metal Shell		Each	1	
Furnishing Metal Shell		Foot	506	
Piles, 12" x 0.250"		Foot	506	
Driving Piles		Foot	506	
Structure Excavation		Cu. Yd.	158	

- Notes:
- 1) Pour steps monolithically with cap.
 - 2) Reinforcement bars designated (E) shall be epoxy coated.
 - 3) All edges shall have 3/4" chamfers except as noted.
 - 4) Hatched area to be poured with deck after beams are in place. Quantity of concrete for hatched area included with "Concrete Superstructure" on Sheet 15.
 - 5) The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.



FIELD CUTTING DIAGRAM

Order v4(E) & v5(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s2(E)

BAR u(E)

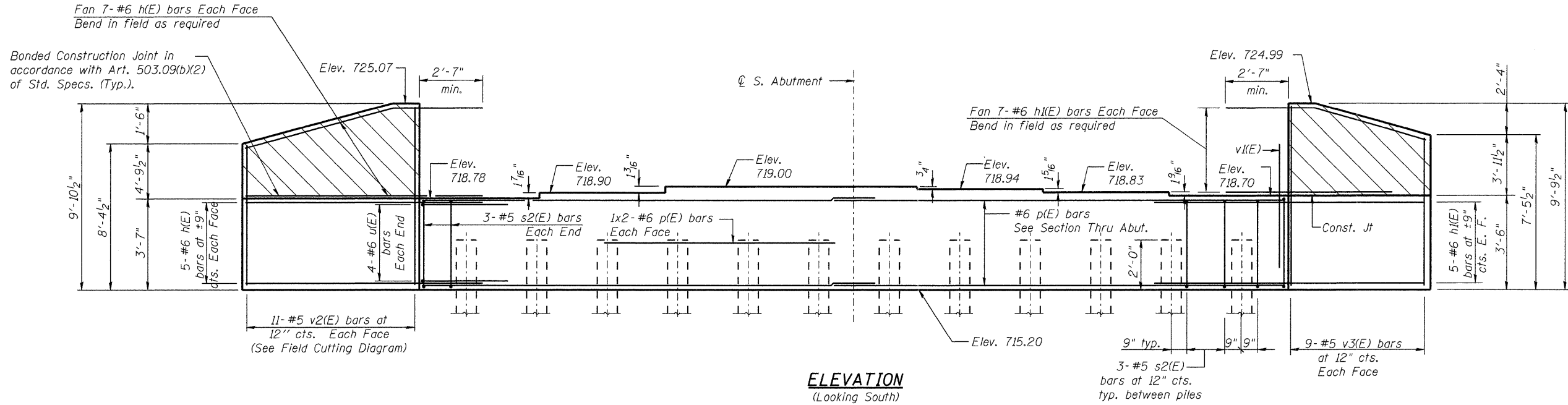
DESIGNED - JAN
CHECKED - BTO
DRAWN - BTO
CHECKED - JAN

SHEET NO. 22 30 SHEETS	F.A.P. RTE. 734	SECTION 77-2B-1, 77-2-2	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 294
	CONTRACT NO. 64813				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

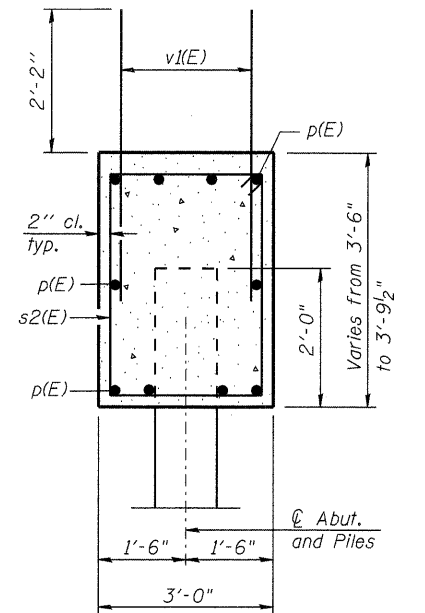
NORTH ABUTMENT NORTHBOUND
STRUCTURE NO. 101-0178

Revised 6/1/2011, JAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



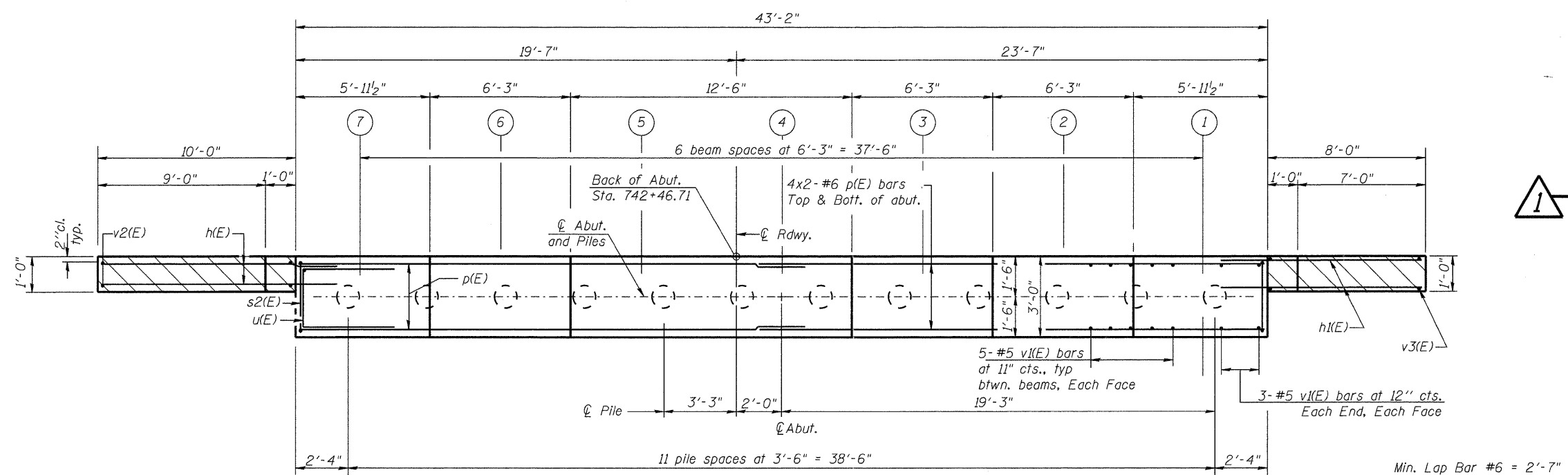
ELEVATION
(Looking South)



SEC. THRU ABUT.

PILE DATA

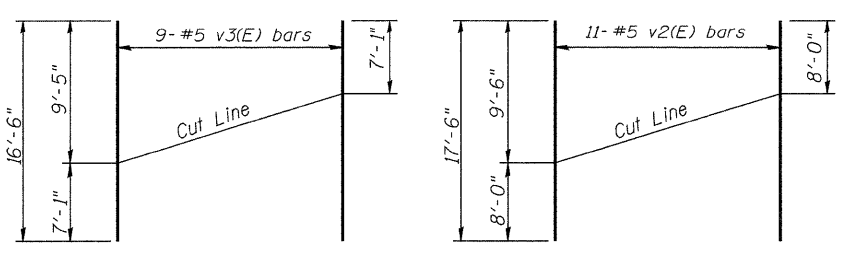
Type and Size: 12" ϕ Metal Shell w/1/4" walls
Nominal Required Bearing: 330 kips
Allowable Resistance Available: 110 kips
Est. Pile Length: 47'
Number of Production: 11
Number of Test Piles: 1
The metal shell piles shall be according to ASTM A252, Grade 3.



PLAN

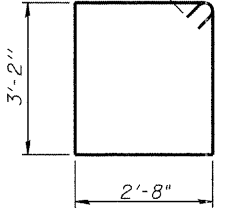
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#6	13'-1"	—
h1(E)	24	#6	11'-1"	—
p(E)	20	#6	22'-6"	—
s2(E)	39	#5	12'-7"	□
u(E)	8	#6	8'-2"	—
v1(E)	72	#5	4'-4"	—
v2(E)	11	#5	17'-6"	—
v3(E)	9	#5	16'-6"	—
Concrete Structures		Cu. Yd.	20.0	
Reinforcement Bars, Epoxy Coated		Pound	2840	
Test Pile Metal Shell		Each	1	
Furnishing Metal Shell Piles, 12" x 0.250"		Foot	517	
Driving Piles		Foot	517	
Structure Excavation		Cu. Yd.	158	

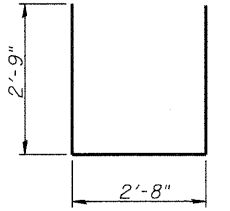


FIELD CUTTING DIAGRAM

Order v2(E) & v3(E) full length. Cut as shown and use remainder of bars in opposite face.



BAR s2(E)



BAR u(E)

- Notes:
- 1) Pour steps monolithically with cap.
 - 2) Reinforcement bars designated (E) shall be epoxy coated.
 - 3) All edges shall have 3/4" chamfers except as noted.
 - 4) Hatched area to be poured with deck after beams are in place. Quantity of concrete for hatched area included with "Concrete Superstructure" on Sheet 16.
 - 5) The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

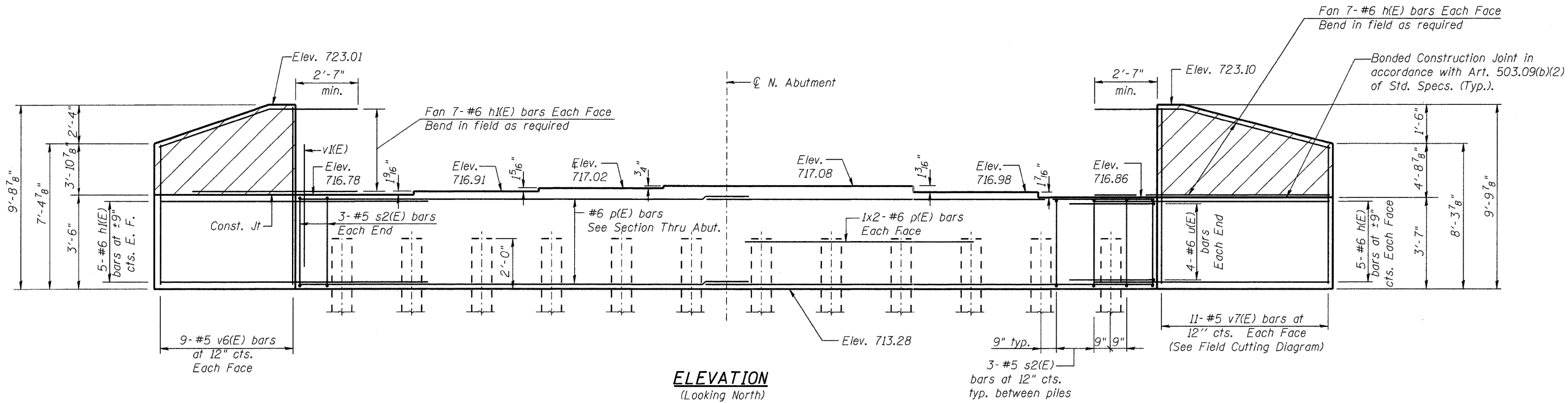
DESIGNED - JAN
CHECKED - BTO
DRAWN - BTO
CHECKED - JAN

SHEET NO. 23 30 SHEETS	F.A.P. RTE. 734	SECTION 77-2B-1, 77-2-2	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 295
	CONTRACT NO. 64813				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			

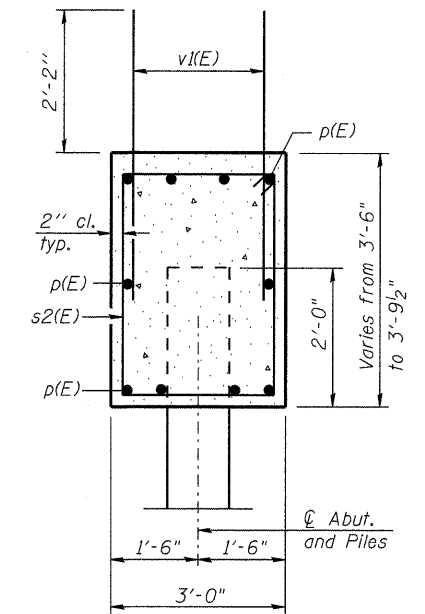
**SOUTH ABUTMENT SOUTHBOUND
STRUCTURE NO. 101-0177**

Revised 6/1/2011, JAN

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



ELEVATION
(Looking North)



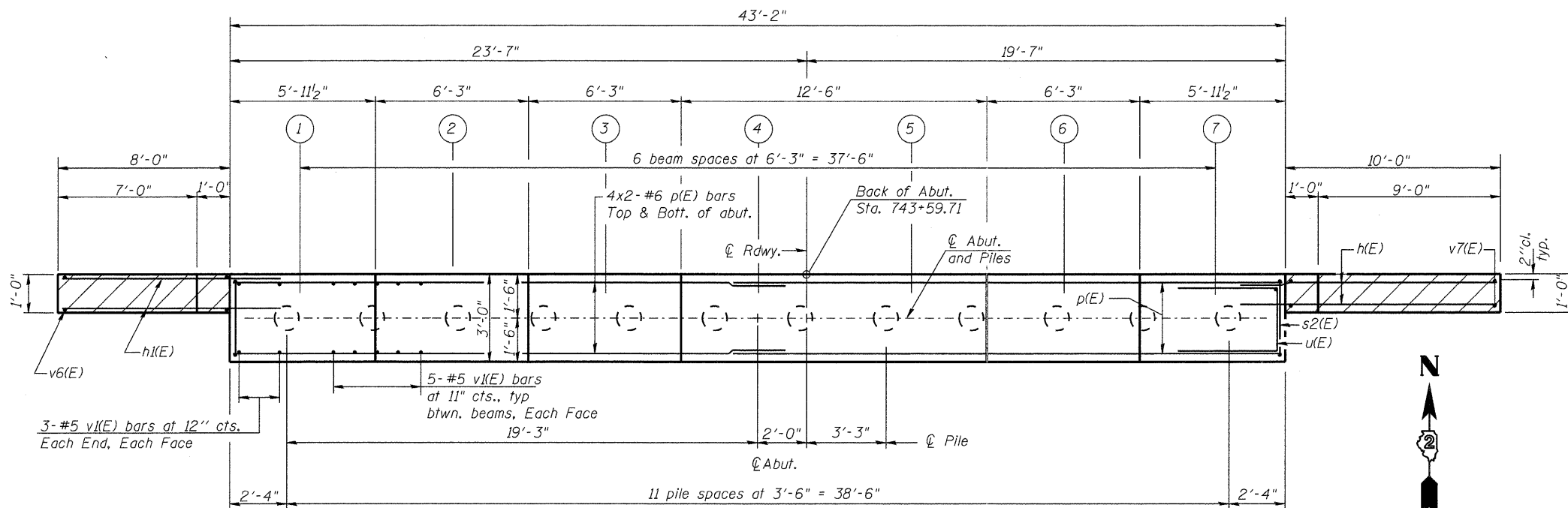
SEC. THRU ABUT.

PILE DATA

Type and Size: 12" ϕ Metal Shell w/1/4" walls
Nominal Required Bearing: 330 kips
Allowable Resistance Available: 110 kips
Est. Pile Length: 46'
Number of Production: 11
Number of Test Piles: 1
The metal shell piles shall be according to ASTM A252, Grade 3.

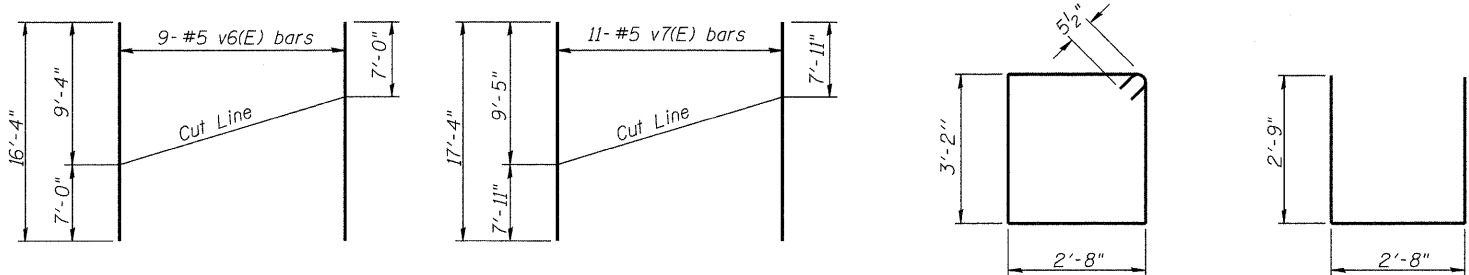
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	24	#6	13'-1"	—
h(E)	24	#6	11'-1"	—
p(E)	20	#6	22'-6"	—
s2(E)	39	#5	12'-7"	□
u(E)	8	#6	8'-2"	—
v1(E)	72	#5	4'-4"	—
v6(E)	9	#5	16'-4"	—
v7(E)	11	#5	17'-4"	—
Concrete Structures		Cu. Yd.	20.0	
Reinforcement Bars, Epoxy Coated		Pound	2850	
Test Pile Metal Shell		Each	1	
Furnishing Metal Shell Piles, 12" x 0.250"		Foot	506	
Driving Piles		Foot	506	
Structure Excavation		Cu. Yd.	158	



PLAN

Min. Lap Bar #6 = 2'-7"



FIELD CUTTING DIAGRAM

Order v6(E) & v7(E) full length. Cut as shown and use remainder of bars in opposite face.

BAR s2(E)

BAR u(E)

- Notes:
- 1) Pour steps monolithically with cap.
 - 2) Reinforcement bars designated (E) shall be epoxy coated.
 - 3) All edges shall have 3/4" chamfers except as noted.
 - 4) Hatched area to be poured with deck after beams are in place. Quantity of concrete for hatched area included with "Concrete Superstructure" on Sheet 15.
 - 5) The test pile shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.

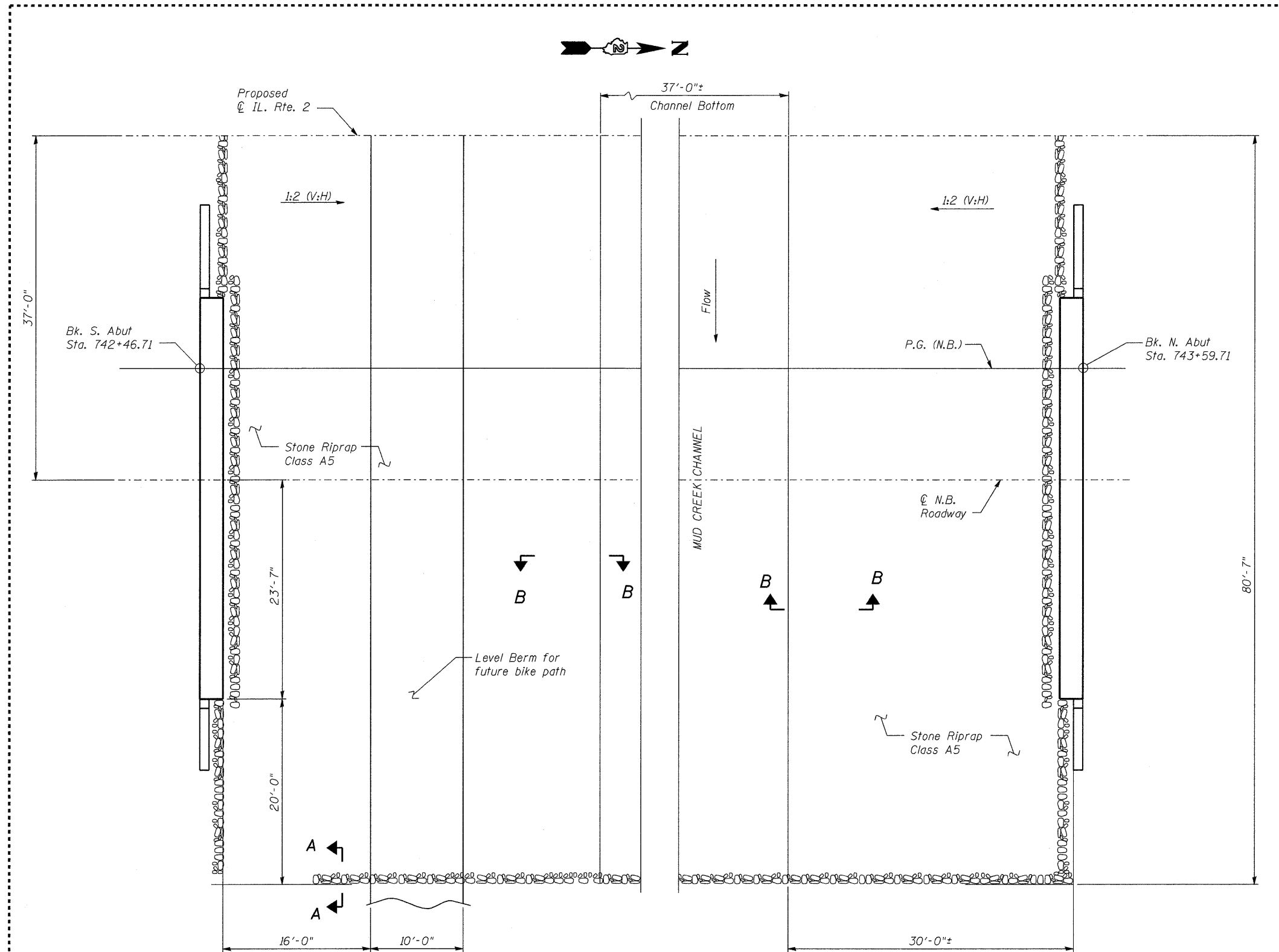
DESIGNED - JAN
CHECKED - BTO
DRAWN - BTO
CHECKED - JAN

SHEET NO. 24 30 SHEETS	F.A.P. RTE. 734	SECTION 77-2B-1, 77-2-2	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 296
	CONTRACT NO. 64813			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

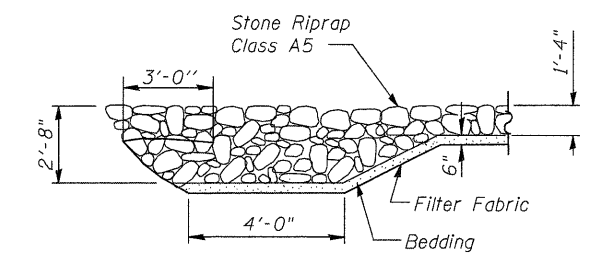
**NORTH ABUTMENT SOUTHBOUND
STRUCTURE NO. 101-0177**

Revised 6/1/2011, JAN

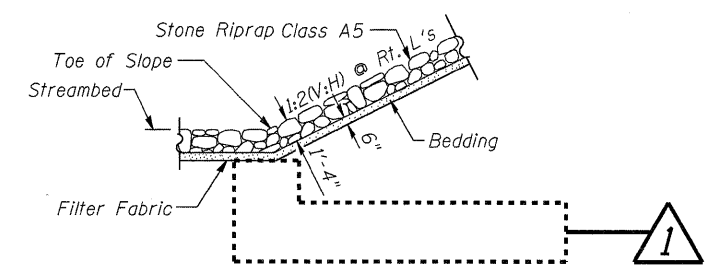
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SLOPE PROTECTION PLAN - NB



SECTION A-A



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Stone Riprap, Class A5	SQ. YD.	1025
Filter Fabric	SQ. YD.	1025

Notes: Work this sheet with sheet 28 of 30.
Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.

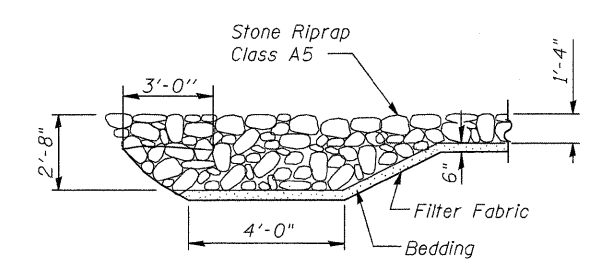
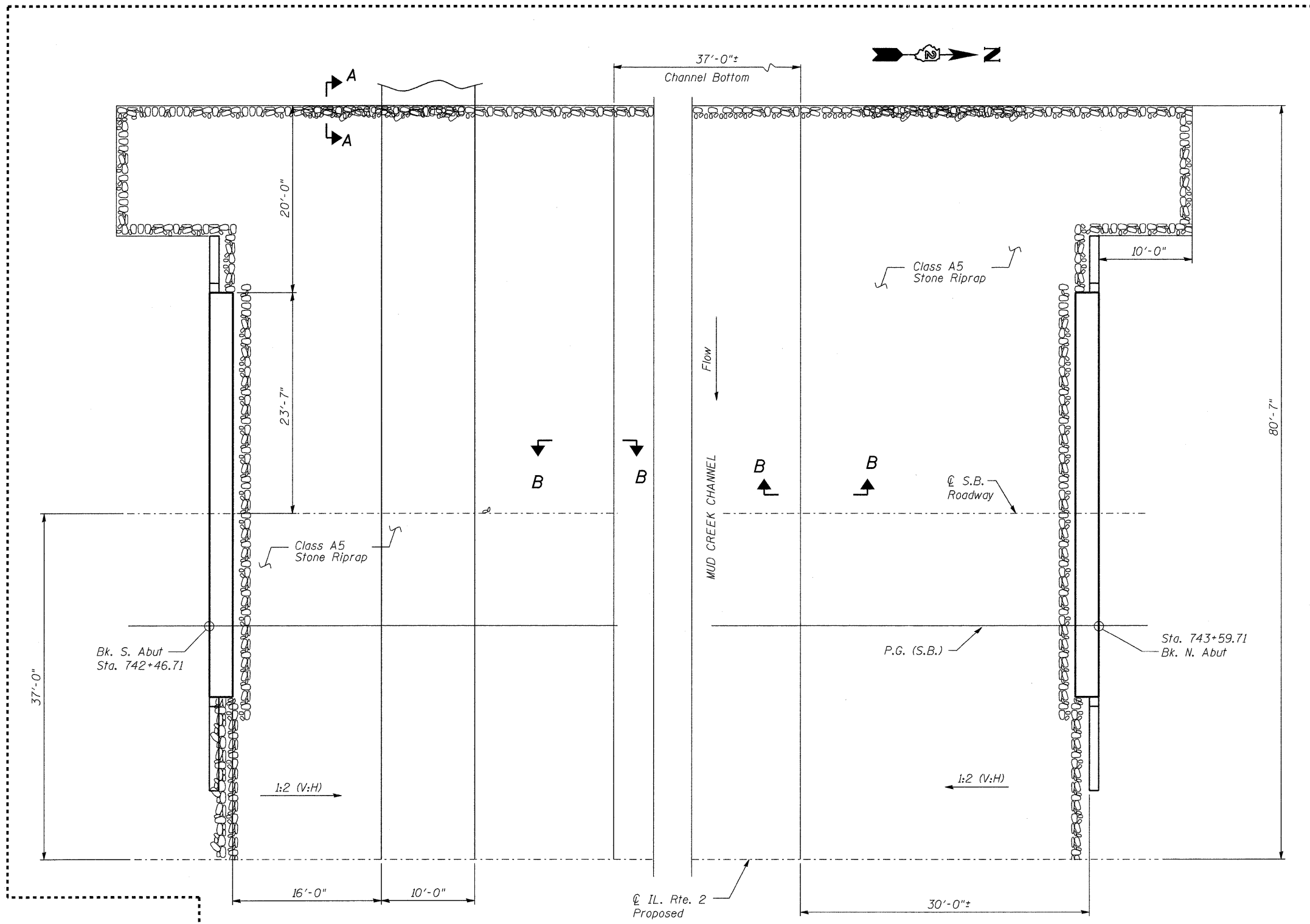
**SLOPE PROTECTION NORTHBOUND
STRUCTURE NO. 101-0178**

DESIGNED - BTO
CHECKED - JAW
DRAWN - BTO
CHECKED - JAN

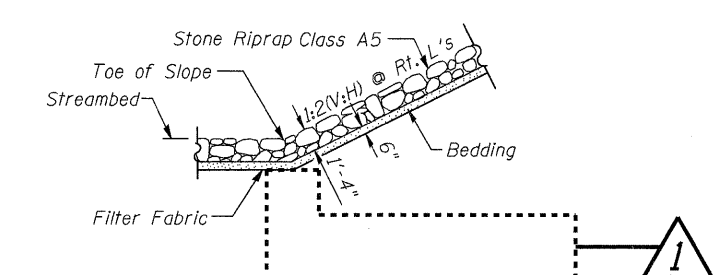
Revised 6/1/2011, JAN

SHEET NO. 27 30 SHEETS	F.A.P. RTE. 734	SECTION 77-2B-1, 77-2-2	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 299
	CONTRACT NO. 64813			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SECTION A-A



SECTION B-B

BILL OF MATERIAL

Item	Unit	Total
Stone Riprap, Class A5	SQ. YD.	1050
Filter Fabric	SQ. YD.	1050

Note: Work this sheet with sheet 27 of 30.
Layout of the slope protection system may be varied in the field to suit ground conditions as directed by the engineer.

DESIGNED - BTO
CHECKED - JAW
DRAWN - BTO
CHECKED - JAN

SLOPE PROTECTION PLAN - SB

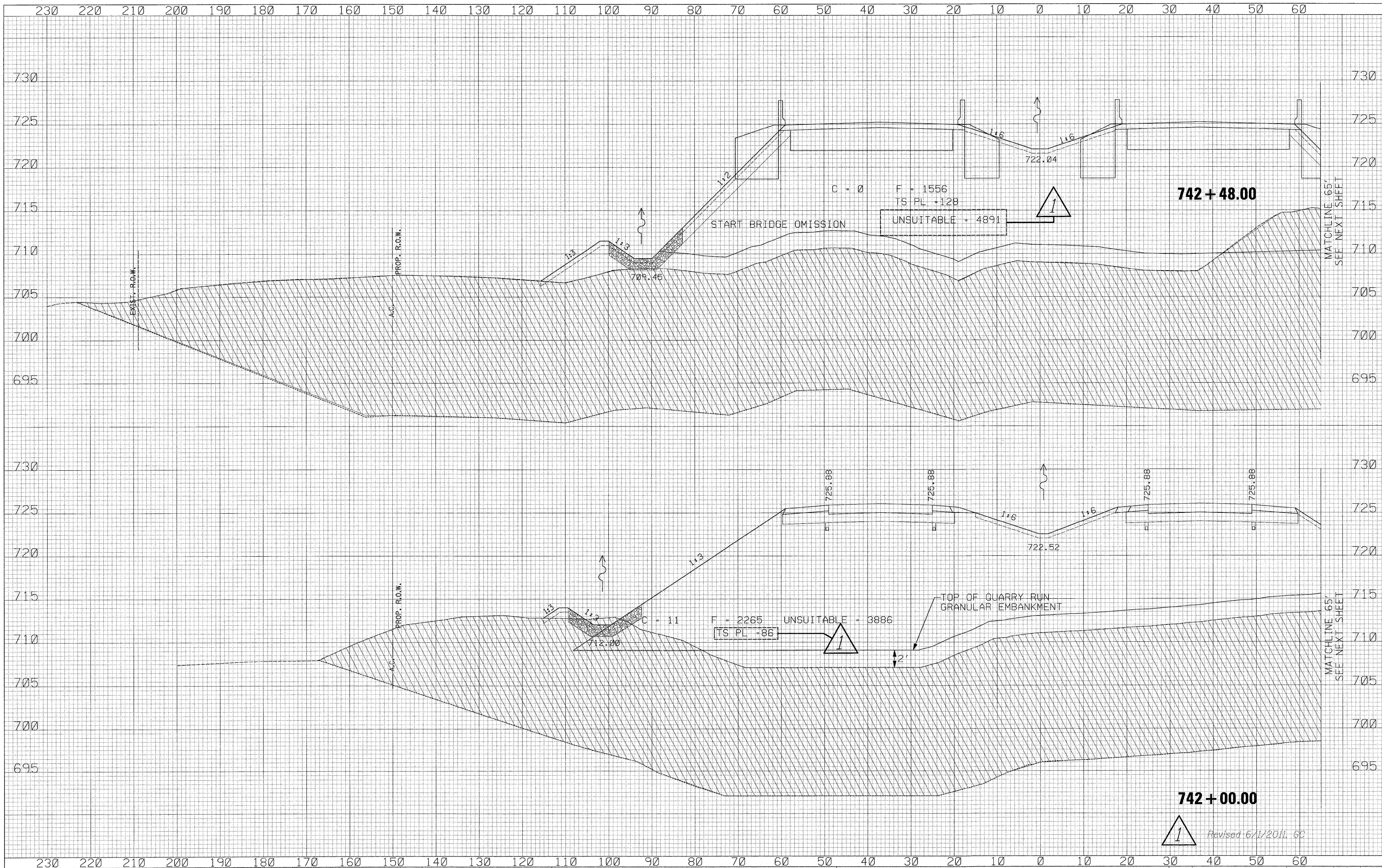
SLOPE PROTECTION SOUTHBOUND
STRUCTURE NO. 101-0177

SHEET NO. 28 30 SHEETS	F.A.P. RTE. 734	SECTION 77-2B-1, 77-2-2	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 300
	CONTRACT NO. 64813			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

1 Revised 6/1/2011, JAN

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

DATE	
BY	
ORIGINAL SURVEY	
PLANNED	
REVISIONS	
NOTE BOOK	
AREAS CHECKED	
NO.	

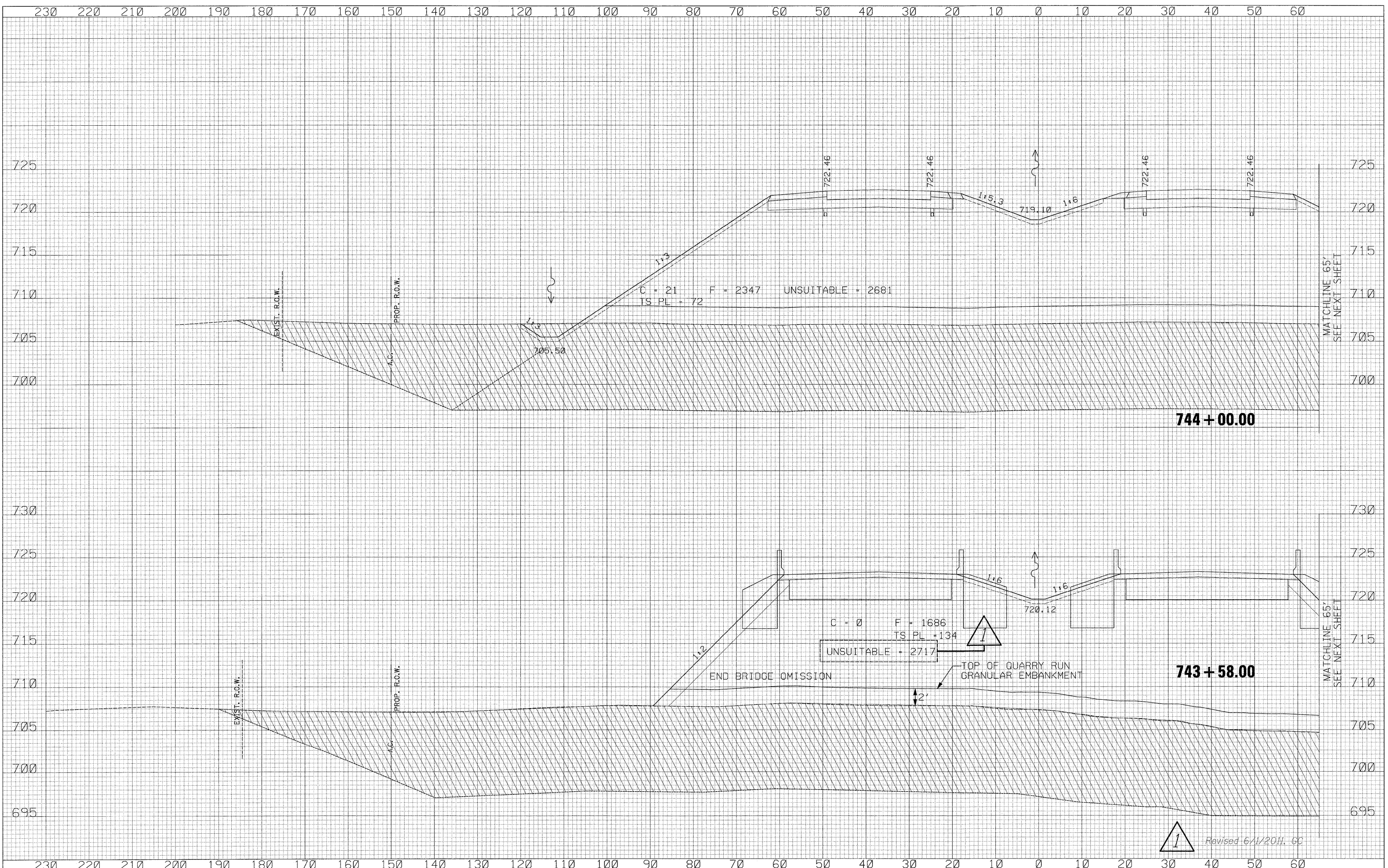


USER NAME = thompard	DESIGNED - RDT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 2 CROSS SECTIONS	F.A.P. RTE. 734	SECTION 77-2-2 & 77-2B-1	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 368	
PLOT SCALE = 10,0000' / IN.	DRAWN - RDT	REVISED -			SCALE: 1" = 100'	SHEET NO. 368 OF 530 SHEETS	STA. 742+00.00 TO STA. 742+48.00	CONTRACT NO. 64813		ILLINOIS FED. AID PROJECT
PLOT DATE = 6/2/2011	CHECKED - GC	REVISED -			MATCHLINE 65' SEE NEXT SHEET					
	DATE - 01-14-11	REVISED -			MATCHLINE 65' SEE NEXT SHEET					

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DATE	
BY	
SURVEYED	
PLANNED	
TEMPLATE	
AREAS	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLANNED	
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AREAS	
AREAS CHECKED	
NO.	



USER NAME = thomperd	DESIGNED - RDT	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 2 CROSS SECTIONS		F.A.P. RTE. 734	SECTION 77-2-2 & 77-2B-1	COUNTY WINNEBAGO	TOTAL SHEETS 530	SHEET NO. 370
PLOT SCALE = 10,000' / IN.	DRAWN - RDT	REVISED -		SCALE: 1" = 100'	SHEET NO. 370 OF 530 SHEETS	STA. 743+58.00 TO STA. 744+00.00	CONTRACT NO. 64813		ILLINOIS FED. AID PROJECT	
PLOT DATE = 6/2/2011	CHECKED - CC	REVISED -								
DATE - 01-14-11	DATE - 01-14-11	REVISED -								

1 Revised 6/1/2011 GC

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