CONTRACT NO. 83869

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1441	00-00059-00-BR	KANE	154	3
STA. N/A	TO STA. N/A			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

1. STANDARD SPECIFICATIONS

EXCEPT WHERE MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK PROPOSED HEREON SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, WHICH ARE HEREBY MADE A PART HEREOF:

1.1 STANDARD SPECICATIONS FOR EARTHWORK, PAVEMENT AND SIDEWALKS:
ALL EARTHWORK, PAVEMENT, CURBING AND SIDEWALK ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" AS PREPARED BY I.D.O.T., LATEST EDITION AND WITH ANY SPECIAL PROVISIONS SPECIFIED HEREIN TO SAID STANDARD SPECIFICATIONS.

1.2 STANDARD SPECIFICATIONS FOR SANITARY SEWERS, STORM SEWERS AND WATER MAINS:
ALL SANITARY SEWER, STORM SEWER AND WATER MAIN CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER CONSTRUCTION IN ILLINOIS" LATEST EDITION AND WITH ANY SPECIAL PROVISIONS SPECIFIED HEREIN TO SAID STANDARD SPECIFICATIONS.

1.3 CITY OF BATAVIA SUBDIVISION CONTROL ORDINANCE DATED MARCH 1989, INCLUDING ALL PERTINENT ADDENDA AND ALL APPLICABLE CITY OF BATAVIA STANDARDS.

1.4 THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS" AS PUBLISHED BY I.D.O.T., LATEST EDITION.

1.5 THE "PROCEDURES AND STANDARDS FOR URBAN EROSION CONTROL IN ILLINOIS" AS PUBLISHED BY THE ILLINOIS CONSERVATION DISTRICT.

1.6 CONFLICTS:
IN THE CASE OF CONFLICTS BETWEEN THE PLANS AND SPECIFICATIONS SHOWN HEREIN AND THE APPLICABLE STANDARD SPECIFICATIONS, THESE PLANS AND SPECIFICATIONS SHOWN HEREIN SHALL TAKE PRECEDENCE, NO SUBSTITUTIONS IN MATERIALS, DETAILS OR ANY OTHER PART OF THE WORK SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE CITY ENGINEER.

2. GENERAL

2.1 HEALTH AND SAFETY:
THE CONTRACTOR SHALL COMPLY WITH ALL STATE AND FEDERAL SAFETY REGULATIONS AS OUTLINED IN THE LATEST REVISIONS OF THE FEDERAL CONSTRUCTION SAFETY STANDARDS (SERIES 1926) AND THE APPLICABLE PROVISIONS AND REGULATIONS OF THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA STANDARDS OF THE WILLIAMS STEGER OCCUPATIONAL HEALTH STATE AND SAFETY ACT OF 1970) REVISED.

2.2 BONDING AND LICENSING:
THE CONTRACTOR AND HIS INDIVIDUAL SUBCONTRACTORS PRIOR TO THE COMMENCEMENT OF WORK SHALL OBTAIN ALL APPLICABLE CITY PERMITS, LICENSES AND BONDS.

2.3 INCIDENTAL CONSTRUCTION:
THE CONTRACTOR SHALL PERFORM ALL WORK INDICATED OR IMPLIED IN THE CONTRACT DOCUMENTS. ALL WORK NOT SPECIFIED, BUT REQUIRED TO COMPLETE THE PROJECT, INCLUDING ACCESSORIES AND APPURTENANCES, SHALL BE PERFORMED BY THE CONTRACTOR IN A SATISFACTORY MANNER. TREE TRIMING OR TREE REMOVAL SHALL BE PREFORMED BY A LICENSED ARBORIST, AND APPROVED BY THE CITY ENGINEER OR ENGINEERS REP.

2.4 ELECTRIC, TELEPHONE, NATURAL GAS AND OTHER UTILITY COMPANIES HAVE UNDERGROUND AND OR OVERHEAD SERVICE FACILITIES IN THE VACINITY OF THE PROPOSED WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING THE UTILITIES LOCATE THEIR FACILITIES IN THE FIELD PRIOR TO CONSTRUCTION AND SHALL ALSO BE RESPONSIBLE FOR MAINTENANCE AND PRESERVATION OF THE FACILITIES. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 FOR UTILITY LOCATIONS.

2.5 NEITHER THE ENGINEER NOR THE CITY OF BATAVIA ARE RESPONSIBLE FOR THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES, TIME OF PERFORMANCE, PROGRAMS OR FOR ANY SAFETY PRECAUTIONS USED BY CONTRACTOR.

2.6 THE CONTRACTOR IS SOLELY RESPONSIBLE FOR EXECUTION OF HIS WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND SPECIFICATIONS. SPECIAL ATTENTION IS DRAWN TO THE FACT THAT THE ARTICLE 105.06 OF THE I.D.O.T. STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDANT ON THE PROJECT SITE AT ALL TIMES IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDANT SHALL BE ABLE TO SPEAK ENGLISH. HE SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, SHALL HAVE FULL AUTHORITY TO EXECUTE ORDERS TO EXPEDITE THE PROJECT, AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 109.08.

2.7 THE CONTRACTOR AND ENGINEER SHALL BE RESPONSIBLE FOR THEIR OWN RESPECTIVE AGENTS AND EMPLOYEES.

2.8 IN THE EVENT OF A DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE CITY ENGINEER SHALL BE FINAL AND CONCLUSIVE.

2.9 IN THE EVENT OF CONFLICTING SPECIFICATIONS, THE DECISION OF THE CITY ENGINEER SHALL BE FINAL AND CONCLUSIVE.

2.10 NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED "FOR CONSTRUCTION."

2.11 PRIOR TO THE START OF CONSTRUCTION, THE CITY ENGINEER, PROJECT ENGINEER, THE SUBDIVIDER AND THE GENERAL CONTRACTOR SHALL ATTEND A PRECONSTRUCTION MEETING. THE PURPOSE OF THE MEETING IS TO REVIEW ACCEPTABLE SITE DEVELOPMENT AND CONSTRUCTION PRACTICES IN ACCORDANCE WITH THE CONSTRUCTION CONTROL PLAN AND CITY ORDINANCES AND POLICIES.

2.12 GRANULAR TRENCH BACKFILL:
ALL TRENCH SECTIONS FOR STORM SEWERS, SANITARY SEWERS, WATER MAINS, ELECTRICAL CONDUITS AND ALL OTHER UNDERGROUND SERVICE LINES LOCATED WITHIN EXISTING AND PROPOSED PAVEMENT AREAS OR AS OTHERWISE NOTED ON THE PLAN SHALL BE BACKFILLED TO THE PROPER SUBGRADE WITH SELECTED GRANULAR TRENCH BACKFILL MATERIAL CA-6 CRUSHED LIMESTONE. THE GRANULAR TRENCH MATERIAL SHALL BE PLACED IN LAYERS NO THICKER THAN TWELVE INCHES AND THOROUGHLY COMPACTED IN PLACE ACCORD TO I.D.O.T. STANDARD SPECIFICATIONS METHOD 1. USE CA-7 OPEN GRADED FOR PERFORATED PVC, CATCH BASINS AND INLETS.

2.13 FINAL ADJUSTMENTS OF FRAMES, LIDS AND GRATES:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING AND ADJUSTING FRAMES AND GRATES ON MANHOLES, INLETS AND VALVE VAULTS TO THEIR FINISHED ELEVATIONS OR AS DIRECTED BY THE ENGINEER.
THIS WILL BE CONSIDERED AS INCLUDED IN THE COST OF MANHOLES, INLETS, CATCH BASINS, AND VALVE VAULTS.

2.14 EXISTING STREET CLEANLINESS:
THE CONTRACTOR(S) SHALL KEEP EXISTING ADJACENT STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS. CLEAN PAVEMENTS ON A DAILY BASIS OR MORE OFTEN WHEN NECESSARY AS DIRECTED BY THE CITY ENGINEER.
THIS WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE CONTRACT.

2.15 NOT USED

2.16 EXCESS EXCAVATED TRENCH MATERIAL:
ANY EXCESS EXCAVATED TRENCH MATERIAL OR EXCESS STRIPPED TOPSOIL SHALL BE SPREAD AS DIRECTED BY THE ENGINEER.

2.17 UNDERGROUND UTILITY INSPECTION:
PRIOR TO THE PLACEMENT OF BACKFILL, THE INSTALLATION OF ALL UNDERGROUND UTILITY LINES SHALL BE INSPECTED AND APPROVED BY THE CITY OF BATAVIA.

2.18 TRENCH SETTLEMENT:
ANY TRENCH SETTLEMENT OCCURING WITHIN ONE YEAR FROM THE TIME OF ACCEPTANCE, WHETHER IT BE BEFORE OR AFTER STREET PAVING HAS BEEN COMPLETED, SHALL BE REPAIRED BY THE CONTRACTOR RESPONSIBLE FOR BACKFILLING THE TRENCHES OR AUGER PITS IN QUESTION. THIS REPAIR SHALL INCLUDE BUT NOT BE LIMITED TO THE COST OF PAVEMENT, CURBS, DRIVEWAYS, TREES AND SIDEWALKS REPLACEMENT CAUSED BY THIS SETTLEMENT.
THIS WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE RESPECTIVE UTILITY INSTALLATION.

2.19 EXISTING FIELD TILES:
THE LOCATION OF ANY EXISTING FIELD TILES ENCOUNTERED DURING EXCAVATION SHOULD IMMEDIATELY BE FLAGGED ONSITE AND MARKED ON THE CONTRACTOR'S RECORD PLAN SET. THE CONTRACTOR SHALL RECONNECT ALL FIELD TILE OR CONNECT FIELD TILE TO THE PROPOSED STORM SEWER SYSTEM IN A MANNER ACCEPTABLE TO THE CITY ENGINEER.
THIS WILL BE CONSIDERED AS INCLUDED IN THE COST OF STORM SEWER.

2.20 PRIOR TO ANY REDUCTION IN THE CONSTRUCTION GUARANTEE, THE CITY ENGINEER SHALL CERTIFY THAT THE PROJECT IS "SUBSTANTIALLY COMPLETE."

2.21 FINAL INSPECTION OF THE CONSTRUCTION IMPROVEMENTS SHALL INCLUDE THE CITY ENGINEER, PROJECT ENGINEER, AND CONTRACTOR(S).

2.22 BEFORE ACCEPTANCE BY THE CITY OF BATAVIA AND FINAL PAYMENTS, ALL WORK SHALL BE INSPECTED AND APPROVED BY THE CITY ENGINEER OR HIS REPRESENTATIVE. EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS.

2.23 THE CONTRACTOR SHALL OBTAIN AND THEREAFTER KEEP IN FORCE THE INSURANCE COVERAGES AS SPECIFIED IN ARTICLE 107.27 OF THE STANDARD SPECIFICATIONS. IN ADDITION, THE COMMERCIAL GENERAL LIABILITY SHALL PROTECT THE CITY OF BATAVIA, ITS OFFICERS, EMPLOYEES, AGENTS AND CONSULTANTS FROM CLAIMS WHICH MAY ARISE OUT OF OR AS A RESULT FROM THE PERFORMANCE OF WORK BY ANYONE DIRECTLY OR INDIRECTLY EMPLOYED BY THE CONTRACTOR OR SUBCONTRACTORS OR ANYONE FOR WHOSE ACTS THE CONTRACTOR MAY BE LIABLE. THE INSURANCE POLICY SHALL NAME THE CITY OF BATAVIA, ITS OFFICERS, EMPLOYEES AND AGENTS AS ADDITIONAL INSUREDS. THIS CERTIFICATE SHALL STATE THAT THE COVERAGE WILL NOT BE TERMINATED OR REDUCED WITHOUT 30 DAYS ADVANCED WRITTEN NOTICE TO THE CITY OF BATAVIA.
ALL COSTS FOR INSURANCE AS SPECIFIED WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE CONTRACT.

2.24 UNLAWFUL ACTIVITIES--DRAINAGE FACILITIES--EARTHEN BERMS:
IT IS UNLAWFUL FOR ANY PERSON TO CONSTRUCT OR CAUSE TO BE CONSTRUCTED ANY DRAINAGE FACILITY FOR THE PURPOSE OF THE DETENTION OR RETENTION OF WATER WITHIN A DISTANCE OF 10 FEET PLUS ONE AND ONE-HALF TIMES THE DEPTH OF ANY DRAINAGE FACILITY ADJACENT TO THE RIGHT OF WAY OF ANY PUBLIC HIGHWAY WITHOUT THE WRITEN PERMISSION OF THE HIGHWAY AUTHORITY HAVING JURISDICTION OVER THE PUBLIC HIGHWAY. IT IS UNLAWFUL FOR ANY PERSON TO CONSTRUCT OR CAUSE TO BE CONSTRUCTED ANY EARTHEN BERM SUCH THAT THE TOE OF SUCH BERM WILL BE NEARER THAN THAN 10 FEET TO THE RIGHT-OF-WAY OF ANY PUBLIC HIGHWAY WITHOUT THE WRITTEN PERMISSION OF THE HIGHWAY AUTHORITY HAVING JURISDICTION OVER THE PUBLIC HIGHWAY.

2.25 SAWCUTTING OF EXISTING PAVEMENT AND SIDEWALKS FOR REMOVAL SHALL BE INCLUDED IN THE COST OF THE REMOVALS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

2.26 DELETED 11-8-06

2.27 SUBJECT TO APPROVAL, THE CONTRACTOR WILL BE ALLOWED 2 TWO-WEEK SHUTDOWNS TO FACILIATE PLACEMENT OF THE CONCRETE OVERLAY ON THE BRIDGE DECK AND OTHER ITEMS. REQUESTS FOR SHUTDOWNS MUST BE SUBMITTED FOR THE CITY ENGINEER'S APPROVAL NO LESS THAN 10 BUSINESS DAYS BEFORE THE START OF THE SHUTDOWN.

2.28 NO CONSTRUCTION ACTIVITIES OR OTHER CONTRACTOR OPERATIONS MAY TAKE PLACE IN THE FOX RIVER FROM APRIL 1 TO MAY 1 UNLESS WITHIN AN AREA ENCLOSED BY A COFFERDAM.

2.29 THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS TO ALL BUSINESSES AND RESIDENCES ON WILSON STREET AT ALL TIMES.

2.30 A 34KV OVERHEAD ELECTRICAL TRANSMISSION LINE CROSSES WILSON STREET WITHIN THE PROJECT LIMITS. THE CONTRACTOR SHALL CONTACT COMED AT (630) 424-5700 WHENEVER CONSTRUCTION ACTIVITIES ARE TO OCCUR WITHIN 10 FT OF THE LINE OR TRANSMISSION TOWERS.

3. EARTHWORK

WORK UNDER THIS SECTION SHALL INCLUDE BUT NOT LIMITED TO THE FOLLOWING:

3.1 CLEARING AND REMOVAL OF ALL UNDESIRABLE TREES AND OTHER VEGETATIVE GROWTH WITHIN THE CONSTRUCTION AREA IS INCIDENTAL. TREE REMOVAL AS DESIGNATED BY THE ENGINEER AND APPROVED BY THE CITY OF BATAVIA SHALL BE KEPT TO A MINIMUM. THE CITY OF BATAVIA WILL NOT PERMIT THE ONSITE BURIAL OF TREES, BRUSH, MISC. CONCRETE AND ETC.
THIS WILL BE CONSIDERED AS INCLUDED IN THE COST OF THE CONTRACT.

3.2 PRIOR TO ONSET OF MASS GRADING OPERATIONS THE EARTHWORK CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SOIL EROSION CONTROL SPECIFICATIONS. THE INITIAL IMPLEMENTATION OF EROSION CONTROL PROCEDURES AND THE PLACEMENT OF FILTER FENCING (SILT FENCING), ETC., TO PROTECT ADJACENT PROPERTIES, SHALL OCCUR BEFORE MASS GRADING BEGINS, IN ACCORDANCE WITH THE SOIL EROSION CONTROL CONSTRUCTION SCHEDULE.

3.3 ALL TESTING, INSPECTION AND SUPERVISION OF SOIL QUALITY, THE REMOVAL AND REPLACEMENT OF UNSUITABLE SOIL AND OTHER SOILS RELATED OPERATIONS SHALL BE ENTIRELY THE RESPONSIBILITY OF THE SOILS ENGINEER. HE OR HIS REPRESENTATIVE WILL CLOSELY SUPERVISE AND INSPECT THE GRADING OPERATIONS, PARTICULARLY DURING REMOVAL OF UNSUITABLE MATERIAL AND THE CONSTRUCTION OF EMBANKMENTS OR BUILDING PADS.

3.4 THE GRADING AND CONSTRUCTION OF THE SITE IMPROVEMENTS SHALL NOT CAUSE PONDING OF STORMWATER. ALL AREAS ADJACENT TO THESE IMPROVEMENTS SHALL BE GRADED TO ALLOW POSITIVE DRAINAGE.

3.5 THE PROPOSED GRADING ELEVATIONS SHOWN ON THE PLANS ARE FINISH GRADES. A MINIMUM OF FOUR INCHES (4") INCHES OF TOPSOIL IS TO BE PLACED BEFORE FINISH GRADE ELEVATIONS ARE ACHIEVED.

3.6 THE SELECTED STRUCTURAL FILL MATERIAL SHALL BE PLACED IN LEVEL UNIFORM LAYERS SO THAT THE COMPACTED THICKNESS IS APPROXIMATELY SIX INCHES (6"); IF COMPACTION EQUIPMENT DEMONSTRATED THE ABILITY TO COMPACT GREATER THICKNESSES, THEN A GREATER THICKNESS MAY BE SPECIFIED. EACH LAYER SHALL BE THOROUGHLY MIXED DURING SPREADING TO INSURE UNIFORMITY.

3.7 EMBANKMENT MATERIAL WITHIN ROADWAY, PARKING LOT AND OTHER STRUCTURAL CLAY FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM SPECIFICATIONS D-1557 (MODIFIED PROCTOR METHOD), OR TO OTHER SUCH DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOILS ENGINEER. EMBANKMENT MATERIAL FOR BUILDING PADS SHALL BE COMPACTED TO MINIMUM OF NINETY-FIVE PERCENT (95%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D-1557 (MODIFIED PROCTOR METHOD) OR TO SUCH OTHER DENSITY AS MAY BE DETERMINED APPROPRIATE BY THE SOIL ENGINEER.

3.8 EMBANKMENT MATERIAL (RANDOM FILL) WITHIN NON-STRUCTURAL FILL AREAS SHALL BE COMPACTED TO MINIMUM OF NINETY PERCENT (90%) OF MAXIMUM DENSITY IN ACCORDANCE WITH ASTM DESIGNATION D-1557 (MODIFIED PROCTOR METHOD).

3.9 THE SURFACE VEGETATION, TOPSOIL AND ANY OBVIOUSLY SOFT UNDERLYING SOIL SHOULD BE STRIPPED FROM ALL AREAS TO RECEIVE CLAY FILL. IF THE UNDERLYING SUBGRADE SOILS RUT DEEPER THEN AN INCH UNDER THE CONSTRUCTION EQUIPMENT OR IF THE MOISTURE CONTENT EXCEEDS THAT NEEDED FOR PROPER COMPACTION, THE SOIL SHALL BE SCARIFIED, DRIED AND RECOMPACTED TO THE REQUIRED SOIL SPECIFICATIONS. (SEE SECTION 212.03 OF THE I.D.O.T. SPECIFICATIONS).

3.10 ALL PAVEMENT SUBGRADE SHALL HAVE A MINIMUM IBR=3 AS DETERMINED BY THE SOILS ENGINEER WITH RESULTS SUBMITTED TO THE CITY ENGINEER. IF AREAS OF PAVEMENT SUBGRADE ARE ENCOUNTERED WHICH DO NOT PROVIDE A MINIMUM IBR=3, SUBGRADE REPLACEMENT OR PAVEMENT DESIGN REVISIONS SHALL BE PROVIDED WHICH ARE ADEQUATE TO OBTAIN EQUIVALENT PAVEMENT STRENGTH, AS DETERMINED BY THE ENGINEER AND SOILS ENGINEER.

3.11 PRIOR TO UTILITY CONSTRUCTION PROPOSED PAVEMENT AREAS, BUILDING PADS, SIDEWALKS AND YARD/OPEN SPACE AREAS SHALL BE ROUGH EXCAVATED OR FILLED TO PLUS OR MINUS ONE FOOT (1') OF DESIGN SUBGRADE ELEVATION BY THE CONTRACTOR.

3.12 THE STREET SUBGRADE SHALL BE SHAPED AND COMPACTED AS SPECIFIED IN SECTION 301 OF THE I.D.O.T. SPECIFICATIONS. JUST PRIOR TO THE CONSTRUCTION OF THE BASE COURSE, THE SUBGRADE SHALL BE PROOF-ROLLED AND WITNESSED BY THE CITY ENGINEER. IF IN THE OPINION OF THE ENGINEER FOR THE CITY ANY SUBGRADE AREAS ARE FOUND TO BE UNSTABLE, THEN SAID AREAS SHALL BE REMOVED AND REPLACED WITH AN ACCEPTABLE GRANULAR MATERIAL. IF PRECIPITATION OCCURS AFTER THE SUBGRADE PROOF-ROLLING AND BEFORE THE CONSTRUCTION OF THE BASE COURSE, THEN SAID SUBGRADE PROOF-ROLLING SHALL BE REPEATED TO VERIFY THAT THE SUBGRADE IS STABLE. IF AREAS OF THE SUBGRADE ARE FOUND TO BE UNSTABLE FOLLOWING REPLACEMENT WITH ACCEPTABLE GRANULAR MATERIALS THE SOILS ENGINEER AND THE CITY ENGINEER SHALL DETERMINED THE CORRECTIVE ACTION.

3.13 DELETED 11-8-06

3.14 THE SUBGRADE SHALL MEET MINIMUM STANDARD OF NINETY-FIVE PERCENT (95%) OF THE STANDARD PROCTOR TEST AND SHALL BE TESTED AT 200 FOOT INTERVALS, MINIMUM.

3.15 AGGREGATE BASE COURSE:
AFTER APPROVAL BY THE CITY ENGINEER, THE AGGREGATE BASE SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 351 OF THE I.D.O.T. STANDARD SPECIFICATIONS FOR TYPE A OR TYPE B CONSTRUCTION. THE MATERIAL SHALL BE CRUSHED LIMESTONE CONFORMING TO CA-6 GRADATION. THE MINIMUM COMPACTED THICKNESS SHALL BE AS SHOWN ON THE TYPICAL CROSS-SECTION DETAIL. THE AGGRERATE BASE SHALL BE PROOF-ROLLED ONE DAY PRIOR TO PLANNED APPLICATION OF THE PRIME COAT AND BINDER COURSE. IF, IN THE OPINION OF THE CITY ENGINEER THE AGGREGATE BASE IS UNSTABLE, IT SHALL BE REMOVED AND REPLACED WITH NEW SUBBASE AND AGGREGATE BASE MATERIAL AND COMPACTED TO NOT LESS THAN NINETY-FIVE PERCENT (95%) OF THE STANDARD LABORATORY DENSITY.

3.16 EXISTING PAVEMENT THICKNESSES SHOWN ON THE PLANS ARE APPROXIMATE AND BASED ON AVAILABLE INFORMATION AT THE TIME OF DESIGN. NO ADDITIONAL PAYMENT WILL BE ALLOWED DUE TO THICKNESSES OTHER THAN THOSE SHOWN ON THE PLANS.
THIS WILL BE CONSIDERED AS INCLUDED IN THE COST OF PAVEMENT REMOVAL.

3.17 AFTER COMPLETION OF ALL UTLITIES IN THE RIGHT OF WAY THE PARKWAYS SHALL BE TOPSOILED AND SEEDED.

4. SANITARY SEWER CONSTRUCTION

4.1 SEWER PIPE AND FITTINGS SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS EXCEPT AS APPROVED BY THE CITY ENGINEER:

1. BETWEEN DEPTHS OF SIX FEET (6') AND FOURTEEN FEET (14'), PVC PIPE ASTM D-3034 SDR 26 SHALL BE REQURIED. (ORD. 97-32, 6-2-1997)

2. FOR DEPTHS SHALLOWER THAN SIX FEET (6') OR DEEPER THAN FOURTEEN FEET (14') DUCTILE IRON PIPE, ASTM C151, CLASS 52 WITH PUSH ON JOINTS OR RESTRAINED JOINTS WHERE APPLICABLE. PIPE SHALL BE AS MANUFACTURED BY GRIFFIN PIPE CO., H2SEWER SAFE DUCTILE IRON OR APPROVED EQUAL. ALL DUCTILE IRON SHALL INCLUDE POLY-WRAP. ALL PIPE INSTALLED AT DEPTHS GREATER THAN FOURTEEN FEET (14') SHALL BE EVALUATED FOR THICKNESS BY CONSIDERING THE TRENCH LOAD AND INTERNAL PRESSURE SEPARATELY IN ACCORDANCE WITH ANSI/AWWA C150/A21.5. PRESSURE RATED PIPE, ASTM D-2241, SDR 21 MAY BE SUBSTITUTED FOR BURY DEPTHS FROM FOURTEEN FEET (14'), TO TWENTY FEET (20'). PRESSURE RATED PIPE, ASTM D-2241, (DR) 18, AWWA C-900, MAY BE REQURIED OR SUBSTITUTED AT DEPTHS GREATER THAN TWENTY FEET (20'). ANY USE OF PLASTIC PIPE AT THESE DEPTHS SHALL BE WITH THE PERMISSION OF (OR REQUIRED BY) THE CITY ENGINEER. (ORD. 85-21,9-3-1985)

3. FOR PIPE TWENTY FOUR INCHES (24") AND LARGER. PIPE SHALL BE AS MANUFACTURED BY GRIFFIN PIPE CO., H2SEWER SAFE DUCTILE OR APPROVED EQUAL. ALL DUCTILE IRON SHALL INCLUDE POLY-WRAP. ALL PIPE GREATER THAN TWENTY FOUR INCHES (24") DIA. OR INSTALLED AT DEPTHS GREATER THAN FOURTEEN FEET (14') SHALL BE EVALUATED FOR THICKNESS BY CONSIDERING THE TRENCH LOAD AND INTERNAL PRESSURE SEPARATELY IN ACCORDANCE WITH ANSI/AWWA C150/A21.5. PRESSURE RATED PIPE ASTM D- 2241 OR AWWA C905, MAYBE REQUIRED (OR SUBSTITUTED) ON LARGE DIA. PIPE BY THE CITY ENGINEER.

4.2 MANHOLE FRAMES AND LIDS:
THE FRAMES AND LIDS SHALL BE OF THE NON-ROCKING AND SELF-SEALING TYPE WITH RUBBER WATERTIGHT GASKET AND SHALL CONFORM TO EAST JORDAN NO 1020 OR AN APPROVED EQUAL. THE LIDS TO BE SOLID WITH CONCEALED PICK HOLE AND WITH THE WORDS "CITY OF BATAVIA" AND "SANITARY SEWER" IN THE CAST IN LID. "INFA-SHIELD", "CANUSA" OR APPROVED EQUAL, CHIMNEY SEALS SHALL BE INSTALLED ON ALL SANITARY SEWER MANHOLES.

4.3 SEWER PIPE BEDDING AND COVER:
ALL SANITARY SEWER PIPE INCLUDING SERVICE LINES SHALL BE BEDDED AND CRADLED TO THE CENTERLINE OF THE PIPE IN SAND OR FINE GRAVEL. FROM THE CENTERLINE OF THE PIPE TO 12 INCHES OVER THE TOP OF THE PIPE, GRANULAR TRENCH BACKFILL MATERIAL SHALL BE HAND PLACED AND COMPACTED. ALL TO THE DETAILS SHOWN ON THE PLANS, PVC PIPE SHALL BE BEDDED AND CRADLED IN ACCORDANCE WITH ASTM D-2321 (CLASS 1) SPECIFICATIONS. ALL TRENCHES WITHIN STREETS AND FOR SANITARY SEWERS CONSTRUCTED UNDER PROPOSED PAVED AREAS SHALL BE BACKFILLED WITH CA-7 CRUSHED STONE. FLOWABLE FILL IN ACCORDANCE WITH IDOT SPECIAL PROVISION FOR CONTROLLED LOW-STRENGTH MATERIALS (CLSM) MAY BE REQURIED UNDER CERTAIN CIRCUMSTANCES AS DIRECTED BY THE DEPT.
OF PUBLIC WORKS OR THE CITY ENGINEER. CA-6 CRUSHED STONE TRENCH BACFILL (95%) COMPACTION @ ONE FOOT INTERVALS ACCORDING TO CITY POLICY) OR OTHER SUITABLE TRENCH BACKFILL MAY BE SUBSTITUTED FOR CA-7 UNDER THE FOLLOWING CONDITIONS, 1) APPROVED BY STREET DEPARTMENT SUPERINTENDENT AND CITY ENGINEER, 2) ON-SITE INSPECTION OF TRENCH BACKFILL DURING CONSTRUCTION.

4.4 SANITARY SEWER SERVICES:
SANITARY SEWER STUBS INSTALLED FOR HOUSE SERVICE CONNECTIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON THE PLANS OR THE STANDARD SPECIFICATIONS. SEWER STUBS SHALL BE EXTENDED TO THE R.O.W. THE EXACT LOCATION SHALL BE DETERMINED IN THE FIELD, AND THE CONSTRUCTED LOCATION ACCURATELY RECORDED AND THE END MARKED WITH A 2'X4' POST PAINTED GREEN. SERVICE LINES SHALL HAVE A MINIMUM SLOPE OF 2.0%.

4.5 LEAKAGE TESTING:
ALL SANITARY SEWERS SHALL BE TESTED FOR WATERTIGHTNESS BY THE AIR TESTING METHOD SPECIFIED IN THE STANDARD SPECIFICATIONS.
THIS WILL BE CONSIDERED AS INCLUDED IN THE COST OF SANITARY SEWER.

4.6 DEFLECTION TESTING:
ALL SANITARY SEWER MAIN CONSTRUCTED OF PVC PIPE SHALL BE TESTED FOR DEFLECTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.
THIS WILL BE CONSIDERED AS INCLUDED IN THE COST OF SANITARY SEWER.

4.7 T.V. INSPECTION:
PRIOR TO ACCEPTANCE OF THE SANITARY SEWERS BY THE CITY, ALL SANITARY SEWER MAINS SHALL BE INTERNALLY INSPECTED BY TELEVISION CAMERA. THE CITY ENGINEER IS TO BE NOTIFIED PRIOR TO THE INSPECTION. VHS VIDEO TAPES OF THE T.V. INSPECTION SHALL BE RECORDED AND GIVEN TO THE CITY AND THE ENGINEER FOR THEIR RECORDS. CORRECTION OF ANY IRREGULARITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
THIS WILL BE CONSIDERED AS INCLUDED IN THE COST OF SANITARY SEWER.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILSON STREET

GENERAL NOTES AND COMMITMENTS

SCALE: NTS
DATE 07/28/2006
DRAWN BY RVM
CHECKED BY AKK

PLOT DATE = 10/24/2006
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

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SUMMARY OF QUANTITIES

CONTRACT NO. 83869

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1441	00-00059-00-BR	KANE	154	5

STA. N/A TO STA. N/A

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

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HBRRP- H/0 80%				ITEP- Q22 80%					CITY OF BATAVIA - NON-PARTICIPATING AND SECTION 112					
				BRIDGE	ROADWAY CONCRETE	LIGHTING	SIGNALS	BRIDGE	ROADWAY CONCRETE	LIGHTING	MIXED-USE PATH	LANDSCAPING	ROADWAY BITUMINOUS	ROADWAY CONCRETE	LIGHTING	SIGNALS	MIXED-USE PATH	WATER/ SEWER
				X020-2A	J000-2A	Y030-1E	Y031-1F	X020-2A	J000-2A	Y030-1E	Y042	Y003	I000-2A	J000-2A	Y030-1E	Y031-1F	Y042	Y060
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	862														862	
20400800	FURNISHED EXCAVATION	CU YD	12											12				
20700220	POROUS GRANULAR EMBANKMENT	CU YD	3,015	2,165													850	
* 20800150	TRENCH BACKFILL	CU YD	135		56									79				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	421		40									210			171	
* 21300010	EXPLORATION TRENCH, SPECIAL	FOOT	25															25
+ 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	8		1									4			3	
+ 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	8		1									4			3	
+ 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	8		1									4			3	
25100630	EROSION CONTROL BLANKET	SQ YD	1,438		120									200			1,118	
+ 25200110	SODDING SALT TOLERANT	SQ YD	421		40									210			171	
+ 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100		10									10			80	
28000400	PERIMETER EROSION BARRIER	FOOT	840		100									93			647	
28000510	INLET FILTERS	EACH	26	8	1								3	14				
31100300	SUB-BASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	81										81					
31100700	SUB-BASE GRANULAR MATERIAL, TYPE A 8"	SQ YD	1,320											1,320				
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	130														130	
31200100	STABILIZED SUB-BASE 4"	SQ YD	1,320											1,320				
35300300	PORTLAND CEMENT CONCRETE BASE COURSE 8"	SQ YD	149										149					
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	200										157				43	
42000400	PORTLAND CEMENT CONCRETE PAVEMENT 9"	SQ YD	1,182											1,182				
42001300	PROTECTIVE COAT	SQ YD	275	275														
* 42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	342	342														
* 42400430	PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH, SPECIAL	SQ FT	11,152		1,048				1,979		3,454			4,671				
* 42400800	DETECTABLE WARNINGS	SQ FT	40						40									
* 44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	1,693										1,693					
44000100	PAVEMENT REMOVAL	SQ YD	1,613		188								181	1,244				
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	679		72									607				
44000600	SIDEWALK REMOVAL	SQ FT	8,490		584									5,244			2,662	
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	20														20	
50102400	CONCRETE REMOVAL	CU YD	140	140														
50102700	MASONRY REMOVAL	CU YD	55	55														
50200100	STRUCTURE EXCAVATION	CU YD	773	773														
50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	310	310														
50300225	CONCRETE STRUCTURES	CU YD	1,520	1,520														
50300254	RUBBED FINISH	SQ FT	967	967														
50300255	CONCRETE SUPERSTRUCTURE	CU YD	179	156				23										
50300260	BRIDGE DECK GROOVING	SQ YD	1,264	1,264														
50300320	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	28	28														
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	438,470	412,162				26,308										
51500100	NAME PLATES	EACH	1	1														
55019500	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	8		8													
55019700	STORM SEWERS, TYPE 1, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 18"	FOOT	8		8													
55021600	STORM SEWERS, TYPE 2, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS III 12"	FOOT	200		25									175				
55023700	STORM SEWERS, TYPE 3, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS IV 12"	FOOT	40		35									5				
55026000	STORM SEWERS, TYPE 4, REINFORCED CONCRETE CULVERT, STORM DRAIN, AND SEWER PIPE, CLASS V 18"	FOOT	40		35									5				
55100300	STORM SEWER REMOVAL 8"	FOOT	88		39									49				
55100400	STORM SEWER REMOVAL 10"	FOOT	101		39									62				
55100500	STORM SEWER REMOVAL 12"	FOOT	29		26									3				
55100700	STORM SEWER REMOVAL 15"	FOOT	54		14									40				
55100900	STORM SEWER REMOVAL 18"	FOOT	81		81													
*+ XX006779	WATER SERVICE LINE 6"	FOOT	251															251
*+ 56103100	DUCTILE IRON WATER MAIN 8"	FOOT	135															135
*+ 56103200	DUCTILE IRON WATER MAIN 10"	FOOT	472															472
*+ 56104900	WATER VALVES 6"	EACH	11															11
*+ 56108900	TAPPING VALVES AND SLEEVES 8"	EACH	2															2
*+ 56109000	TAPPING VALVES AND SLEEVES 10"	EACH	2															2
*+ 56200600	WATER SERVICE LINE 3/4"	FOOT	81															81
*+ 56201300	CORPORATION STOPS 3/4"	EACH	2															2
*+ 56400500	FIRE HYDRANTS TO BE REMOVED	EACH	2															2
*+ 56400820	FIRE HYDRANT WITH AUXILIARY VALVE AND VALVE BOX	EACH	2															2
58700200	BRIDGE SEAT SEALER	SQ FT	1,041	1,041														
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	403	403														
* 60101605	PIPE DRAINS 4" (SPECIAL)	FOOT	90														90	
* 60101705	PIPE DRAINS 6" (SPECIAL)	FOOT	9														9	
60109582	PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT	539	539														
* 60213300	CATCH BASINS, SPECIAL	EACH	5											5				
* 60228200	MANHOLES, SANITARY, WITH SPECIAL FRAME AND CLOSED LID	EACH	3											3				
* 60235800	INLETS, TYPE A, TYPE 4 FRAME AND GRATE	EACH	1		1													
* 60240100	INLETS, TYPE A, SPECIAL, WITH SPECIAL FRAME AND GRATE	EACH	3											3				
* 60249110	VALVE VAULTS, 4'-DIAMETER	EACH	6															6
* 60249400	VALVE BOXES 6"	EACH	11															11
60255500	MANHOLES TO BE ADJUSTED	EACH	1										1					
60260100	INLETS TO BE ADJUSTED	EACH	3										3					
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3										3					

+ SPECIALTY ITEMS

Revised 11-8-06

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILSON STREET

SUMMARY OF QUANTITIES

SCALE: NTS DRAWN BY WAJ

DATE 07/28/2006 CHECKED BY AKK

PLOT DATE = 09/28/2006
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 83869

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1441	00-00059-00-BR	KANE	154	6

STA. N/A TO STA. N/A

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

SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HBRRP- H10 80% BRIDGE X020-2A	HBRRP ROADWAY CONCRETE J000-2A	HBRRP LIGHTING Y030-1E	HBRRP SIGNALS Y031-1F	ITEP- Q22 80% BRIDGE X020-2A	ITEP ROADWAY CONCRETE J000-2A	ITEP LIGHTING Y030-1E	ITEP MIXED-USE PATH Y042	ITEP LANDSCAPING Y003	CITY OF BATAVIA - NON-PARTICIPATING AND SECTION 112 ROADWAY BITUMINOUS I000-2A	CITY ROADWAY CONCRETE J000-2A	CITY LIGHTING Y030-1E	CITY SIGNALS Y031-1F	CITY MIXED-USE PATH Y042	CITY WATER/SEWER Y060
60500040	REMOVING MANHOLES	EACH	4		3									1				
60500060	REMOVING INLETS	EACH	6		4									2				
• 60600105	CONCRETE CURB	FOOT	390						100		290							
• 60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	64											64				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	(10)	(10)														
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	(10)	(10)														
67100100	MOBILIZATION	L SUM	1	1														
• 70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1														
• 70101900	TRAFFIC CONTROL AND PROTECTION (DETOUR 1)	L SUM	1	1														
• 70103816	TRAFFIC CONTROL SURVEILLANCE	CAL MO	(10)	(10)														
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	437										437					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	9,292		1,200								6,592	1,500				
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	981										981					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	333										333					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	225										225					
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	4,807		400								3,907	500				
70400100	TEMPORARY CONCRETE BARRIER	FOOT	710	710														
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	355	355														
72000100	SIGN PANEL - TYPE 1	SQ FT	97		13									48			36	
72400900	REMOVE SIGN PANEL	EACH	21		3									18				
73700100	REMOVE GROUND-MOUNTED SIGN SUPPORT	EACH	6											6				
73700200	REMOVE CONCRETE FOUNDATION - GROUND MOUNT	EACH	6											6				
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	292										292					
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1,977										1,977					
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,234										1,234					
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	322										322					
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	233										233					
+ 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	146		109									37				
+ 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	1,378		816									562				
+ 78005130	EPOXY PAVEMENT MARKING - LINE 6"	FOOT	575		252									323				
+ 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	59		29									30				
78200530	BARRIER WALL MARKERS, TYPE C	EACH	28	28														
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,868		100								1,468	300				
+ 80700110	GROUND ROD, 3/4" DIA. X 10 FT.	EACH	16			4				6					6			
+ 80800425	TEMPORARY WOOD POLE, 50 FT., CLASS 4, 15 FT. MAST ARM	EACH	2			2												
+ 81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	325				60									265		
+ 81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	725							170					555			
+ 81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	780			120				60					600			
+ 81016100	CONDUIT IN TRENCH, 1/2" DIA., HIGH DENSITY POLYETHYLENE, COILABLE	FOOT	140							140								
+ 81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	60													60		
+ 81100200	CONDUIT ATTACHED TO STRUCTURE, 3/4" DIA., GALVANIZED STEEL	FOOT	200							200								
+ 81200120	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	240				240											
+ 81200200	CONDUIT EMBEDDED IN STRUCTURE, 3/4" DIA., PVC	FOOT	375							375								
+ 81200210	CONDUIT EMBEDDED IN STRUCTURE, 1" DIA., PVC	FOOT	590							110					480			
+ 81200220	CONDUIT EMBEDDED IN STRUCTURE, 1 1/2" DIA., PVC	FOOT	480			480												
+ 81300320	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 8"X8"X6"	EACH	4							4								
+ 81300980	JUNCTION BOX, STAINLESS STEEL, EMBEDDED IN STRUCTURE, 8"X8"X6"	EACH	4							4								
•+81303950	JUNCTION BOX EMBEDDED IN STRUCTURE, 6"X6"X6"	EACH	4							4								
+ 81400400	CONCRETE HANDHOLE	EACH	3													3		
•+81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1,365			120	60								920	265		
+ 81700120	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 6	FOOT	700							700								
+ 81700315	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 10	FOOT	330							330								
+ 81700325	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 8	FOOT	400							400								
+ 81700355	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 3-1/C NO. 2	FOOT	1,200			600									600			
+ 81701125	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 1/0	FOOT	800							800								
+ 81701145	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE RHW) 1/C NO. 3/0	FOOT	600							600								
+ 81800320	AERIAL CABLE, 3-1/C NO. 4 WITH MESSENGER WIRE	FOOT	540			540												
+ 82103250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 250 WATT	EACH	10			4									6			
+ 82103400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	2			2												
+ 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	70												70			
+ 84100110	REMOVAL OF TEMPORARY LIGHTING UNITS	EACH	2			2												
+ 84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	22			9									13			
+ 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2													2		
•+89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2													2		
+ 89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	1,296													1,296		
•+A2004824	TREE, GLEDITSIA TRIACANTHOS INERMIS SKYLINE (SKYLINE THORNLESS COMMON HONEYLOCUST), 3" CALIPER, BALLED AND BURLAPPED	EACH	6									6						
• X0301766	DRILL AND GROUT #6 TIE BARS	EACH	79										79					
•+X0320591	SANITARY MANHOLES TO BE REMOVED	EACH	1															1
• X0321907	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 12"	FOOT	70											70				
• X0321908	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 15"	FOOT	39											39				
• X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	80	80														
• X0322671	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	260		260													
•+X0322782	SANITARY SEWER, PVC (D3034) SDR 26, 8"	FOOT	75															75
•+X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	870				870											
• X0323353	GATE VALVES, 10"	EACH	2															2
• X0323396	HIGH PERFORMANCE CONCRETE STRUCTURES	CU YD	1,698	(1630)				(68)										
• X0323830	DRAINAGE SCUPPERS, DS-11	EACH	8	8														

+ SPECIALTY ITEMS

Revised 11-8-06

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

WILSON STREET

SUMMARY OF QUANTITIES

SCALE: NTS

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DRAWN BY WAJ

CHECKED BY AKK

PLOT DATE = 09/28/2006
FILE NAME = $FILE$
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SUMMARY OF QUANTITIES

CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	HBRRP – H/10 80% BRIDGE X020-2A	HBRRP ROADWAY CONCRETE J000-2A	HBRRP LIGHTING Y030-1E	HBRRP SIGNALS Y031-1F	ITEP – Q22 80% BRIDGE X020-2A	ITEP ROADWAY CONCRETE J000-2A	ITEP LIGHTING Y030-1E	ITEP MIXED-USE PATH Y042	ITEP LANDSCAPING Y003	CITY OF BATAVIA – NON-PARTICIPATING AND SECTION 112 ROADWAY BITUMINOUS I000-2A	CITY ROADWAY CONCRETE J000-2A	CITY LIGHTING Y030-1E	CITY SIGNALS Y031-1F	CITY MIXED-USE PATH Y042	CITY WATER/SEWER Y060
• X0323859	DOWNSPOUT CONNECTION	EACH	1														1	
• X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	3,100	3,100														
•+X0539800	TREE GRATES	EACH	10									10						
•+X0840000	SANITARY SEWER REMOVAL 8"	FOOT	242															242
• X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	15														15	
• X4066740	LEVELING BINDER (HAND METHOD), SUPERPAVE N70	TON	1										1					
• X4066770	LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70	TON	121										121					
• X5000800	FLOATING BEARINGS, FIXED, 800K	EACH	10	10														
• X5005800	FLOATING BEARINGS, GUIDED EXPANSION, 800K	EACH	10	10														
• X7015000	CHANGEABLE MESSAGE SIGN	CAL MO	(20)	(20)														
•+X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	870				870											
•+X8900010	TEMPORARY TRAFFIC SIGNAL INTERCONNECT	EACH	1				1											
• XX001490	GATE VALVES, 8"	EACH	2															2
• XX004145	DRINKING FOUNTAIN RELOCATED	EACH	1															1
• XX004782	TEMPORARY BITUMINOUS PAVEMENT	SQ YD	302		270									32				
• XX005043	ORNAMENTAL SIGN POST	EACH	10						4		6							
•+XX005077	SANITARY SEWER 8" TYPE 2, DUCTILE IRON, CL 52	FOOT	155															155
• X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX D, N70	TON	146										146					
• XX005534	SIDEWALK DRAIN	EACH	5														5	
• XX005953	TEMPORARY CHAIN LINK FENCE, 8'	FOOT	800		800													
• XX005968	TURBIDITY CURTAIN	SQ YD	728	728														
• XX104800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12	FOOT	572											572				
• Z0002600	BAR SPLICERS	EACH	1,162	1,162														
• Z0006100	BRIDGE DECK LATEX CONCRETE OVERLAY	SQ YD	1,322	1,322														
• Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1														
• Z0018900	DRILL AND GROUT DOWEL BARS	EACH	108	108														
• Z0030260	IMPACT ATTENUATORS, TEMPORARY (FULLY REDIRECTIVE, NARROW), TEST LEVEL 3	EACH	4	4														
• Z0030330	IMPACT ATTENUATORS, RELOCATE (FULLY REDIRECTIVE),TEST LEVEL 3	EACH	2	2														
•ΔZ0076600	TRAINEES	HOUR	2,000	2,000														
• XX006737	REINFORCED PORTLAND CEMENT CONCRETE SIDEWALK, VARIABLE DEPTH	SQ FT	636								636							
• XX006739	CONCRETE PAVERS, TYPE A	SQ FT	4,064						452		3,612							
• XX006740	CONCRETE PAVERS, TYPE B	SQ FT	5,441					3,343	2,098									
• XX006741	CONCRETE PAVERS, TYPE C	SQ FT	43						43									
• XX006742	REMOVE EXISTING CONCRETE ARCH BRIDGE	L SUM	1	1														
• 50200510	COFFERDAMS (SPECIAL)	EACH	3	3														
• XX006743	BAR COUPLERS	EACH	190	190														
• XX006744	MICROPILE, 200 TON	EACH	45	45														
• XX005128	STRIP SEAL EXPANSION JOINT ASSEMBLY	FOOT	159	159														
• XX005517	CONCRETE FILL	CU YD	354	354														
• XX006745	FURNISHING, INSTALLING AND STRESSING POST-TENSIONING STRANDS	POUND	133,690	125,669				8,021										
• XX006746	RUSTICATION FINISH TYPE I	SQ FT	2,299					2,299										
• XX006747	RUSTICATION FINISH TYPE II	SQ FT	1,465					1,465										
• XX006748	RIVERWALK RAILING	FOOT	442								442							
• XX006749	BRIDGE RAILING	FOOT	416	208				208										
• XX006750	OUTLOOK RAILING	FOOT	140	70				70										
• XX006751	STAIR RAILING	FOOT	202	202														
• XX006752	REMOVE, STORE AND RE-INSTALL EXISTING MONUMENT	L SUM	1	1														
• XX006753	DROP MANHOLES, TYPE A2-2, 4'-DIAMETER, SPECIAL FRAME AND LID	EACH	1											1				
• XX006754	DROP MANHOLES, TYPE A2-3, 5'-DIAMETER, SPECIAL FRAME AND LID	EACH	1											1				
• XX006585	CURB STOP AND BOX, 3/4"	EACH	2															2
• XX006755	STOP VALVE 3/4" AND VALVE BOX	EACH	2															2
•+XX006756	WALL HYDRANTS	EACH	2															2
•+XX006757	LUMINAIRE, SODIUM VAPOR, PEDESTRIAN, PHOTO-CELL CONTROL, 100 WATT	EACH	8							8								
•+XX006758	LUMINAIRE, SODIUM VAPOR, PEDESTRIAN, PHOTO-CELL CONTROL, 50 WATT	EACH	9							9								
•+XX006759	UNDERPASS LUMINAIRE, FLUORESCENT, 60 WATT	EACH	8							8								
•+XX006760	UNDER STAIR LUMINAIRE, INCANDESCENT, 75 WATT	EACH	2							2								
•+XX006761	JUNCTION BOX EMBEDDED IN STRUCTURE, 4"X4"X3"	EACH	14							14								
•+XX006762	LIGHT POLE FOUNDATION, 15" DIAMETER	FOOT	89.25							89.25								
•+83006300	LIGHT POLE, ALUMINUM, 30 FT. M.H., 8 FT. MAST ARM	EACH	10			4									6			
•+XX006763	LIGHT POLE, ALUMINUM, 14 FT., POST TOP, WITH PLANTER ARMS	EACH	8							8								
•+XX006764	LIGHT POLE, ALUMINUM, 14 FT., POST TOP	EACH	6							6								
•+XX006765	LIGHT POLE, ALUMINUM, 10 FT., POST TOP	EACH	3							3								
•+XX006766	GFI RECEPTACLE AND BOX, 120V	EACH	14							14								
•+XX006767	LIQUIDTIGHT FLEXIBLE METAL CONDUIT, 3/4"	FOOT	50							50								
•+XX006768	MAINTAIN LIGHTING SYSTEM	L SUM	1			1												
• XX006769	TREE REMOVAL (SPECIAL)	EACH	9											9				
•+XX006770	TREE, GINKGO BILOBA (AUTUMN GOLD), 3" CALIPER, BALLED AND BURLAPPED	EACH	4									4						
• XX006771	ARCHITECTURAL PRE-CAST CONCRETE - DIES (SPECIAL)	EACH	35	18				17										
• XX006772	ARCHITECTURAL PRE-CAST CONCRETE - BRIDGE CURB (SPECIAL)	FOOT	405	203				202										
• XX006773	ARCHITECTURAL PRE-CAST CONCRETE - OUTLOOK CURB (SPECIAL)	FOOT	119	60				59										
• XX006774	ARCHITECTURAL PRE-CAST CONCRETE - POST BASE (SPECIAL)	EACH	16	8				8										
• XX006775	ARCHITECTURAL PRE-CAST CONCRETE - BENCH PLANTER SYSTEM (SPECIAL)	EACH	4					4										
• XX006776	ARCHITECTURAL PRE-CAST CONCRETE - SOUTHWEST STAIR SYSTEM (SPECIAL)	L SUM	1	1														
• XX006777	ARCHITECTURAL PRE-CAST CONCRETE - SOUTHEAST STAIR SYSTEM (SPECIAL)	L SUM	1	1														
• XX006778	ARCHITECTURAL PRE-CAST CONCRETE - NORTHEAST STAIR SYSTEM (SPECIAL)	L SUM	1	1														

Δ = Y080   + SPECIALTY ITEMS   (Revised 11-8-06)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WILSON STREET
SUMMARY OF QUANTITIES

SCALE: NTS   DRAWN BY WAJ
DATE 07/28/2006   CHECKED BY AKK

PLOT DATE = 09/28/2006
FILE NAME = $FILE$
PLOT SCALE = $SCALE$
USER NAME = $USER$

CONTRACT NO. 83869

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1441	00-00059-00-BR	KANE	154	34
STA. 10+00	TO STA. 13+00			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

N

* SANITARY MANHOLES WILL BE PAID FOR AS MANHOLES, SANITARY, WITH SPECIAL FRAME AND CLOSED LID. (60228200)

Added 11-8-06

* SANITARY MANHOLE, 4' DIA.
CENTER OF STRUCTURE:
N: 1887977.11; E: 991268.68
RIM = 665.70
CENTER OF LID
N: 1887977.13; E: 991269.68
INV (NE) = 660.17
INV (S) = 660.15

EXIST SANITARY MANHOLE
RIM = 663.43
INV (N) = 660.33 (Exist 8")
INV (W) = 661.03 (Exist 6")
INV (S) = 660.23 (Exist 8")

CONNECT TO EXIST MANHOLE
AT EXIST 8" SEWER HOLE
(INCLUDED IN THE COST OF THE SAN SEWER)
INV= 660.23

8" SAN SEWER, DUCTILE IRON PIPE, CL 52
26.3 L.F. @ 0.23%

5-5/8° BEND
STA 11+62.8, 25' LT

℄ PR WILSON ST

CROSSING
TOP OF STORM SEW = 659.70
INV SAN SEWER = 660.02

SANITARY SEWER REMOVAL 8", 162 L.F.

8" SAN SEWER, DUCTILE IRON PIPE, CL 52
128.7 L.F. @ 0.23%

CONNECT TO EXIST MANHOLE
AT EXIST 8" SEWER HOLE
(INCLUDED IN THE COST OF THE SAN SEWER)
INV= 659.85

EXIST SANITARY MANHOLE
RIM = 663.25
INV (N) = 659.85 (Exist 8")
INV (SW) = 659.85 (Exist 8")
INV (S) = 659.85 (Exist 8")

4' DIA. VALVE VAULT

WATER VALVE 3/4"
WITH VALVE BOX

DI WATER MAIN 8"

WATER VALVES 6" WITH
VALVE BOX

DI WATER SERVICE 6"

STOP VALVE 3/4" AND
VALVE BOX

WATER SERVICE 3/4"
TYPE K COPPER

WALL HYDRANT
MOUNT ON EAST
FACE OF ABUTMENT
36" ABOVE RIVERWALK

TAPPING VALVE AND SLEEVE
INSTALLED IN 4 FT. DIA.
PRECAST CONC. VALVE VAULT

CONTRACTOR TO VERIFY LOCATION AND SIZE
OF EXISTING WATER MAIN

MATCH LINE STA. 13+00

COVERED CONCRETE WALKWAY

ONE STORY CONC./MASONARY
COMMERCIAL BUILDING

CONCRETE WALK

EX ROW

PR ROW

ASPHALT PAVEMENT

FRAME BUILDING

8 | 9 | 10+00 | 11 | 12

20' 0 20' 40'
SCALE: 1"=20'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WILSON STREET

UTILITY RELOCATION PLAN
STA 10+00 TO STA 13+00

SCALE: 1"=20' DRAWN BY AWM
DATE 07/28/2006 CHECKED BY AKK

PLOT DATE = 09/14/2006
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USER NAME = AUSERH

CONTRACT NO. 83869

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1441	00-00059-00-BR	KANE	154	35
STA. 13+00		TO STA. 15+72.69		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SANITARY MANHOLE TO BE REMOVED

✱ SANITARY MANHOLE, 4' DIA.
INSTALL AT EXIST
MANHOLE LOCATION
N: 1888042.15; E: 991487.65
RIM = 662.27
INV (S) = 653.91
INV (N-EXIST) = 653.91

SANITARY SEWER REMOVAL 8", 80 L.F.

✱ SANITARY MANHOLE, 4' DIA.
CENTER OF STRUCTURE:
N: 1887963.92; E: 991487.23
RIM = 661.50
CENTER OF LID
N: 1887963.64; E: 991488.23
INV (N) = 654.08
INV (S-EXIST) = 654.10

CONNECT EXIST SAN SEW TO MANHOLE
(INCLUDED IN THE COST OF THE MANHOLE)

✱ SANITARY MANHOLES WILL BE PAID FOR AS MANHOLES, SANITARY, WITH SPECIAL FRAME AND CLOSED LID. (60228200)

Added 11-8-06

SAN SEWER, PVC, 8"
74.5 L.F. @ 0.23%

EX SAN SEWER TO REMAIN

DI WATER SERVICE 6" (TYP)

PR FIRE HYDRANT

EXPLOR TRENCH SPL
25 L.F. TO LOCATE
EXIST SAN SEWER

12"X12" TEE
INSTALL 10" REDUCERS ON E-W MAIN
AND 8" REDUCER ON NORTH MAIN

6" VALVES WITH VALVE BOXES
AT 6" SERVICES (TYP)

10" DI WATER MAIN

CONNECT TO EX. 8" MAIN
AFTER PROPOSED 10" MAIN
IS TESTED, INSTALLED, AND CHLORINATED
AND ALL WATER SERVICES ARE SWITCHED OVER
TO THE NEW MAIN

REMOVE EX HYDRANT &
PR FIRE HYDRANT

6" DIA. DI WATER
(INCLUDED IN COST OF HYDRANT)

MATCH LINE STA. 13+00

REMOVE HYDRANT

15+00

4' DIA. VALVE VAULT

DRINKING FOUNTAIN RELOCATED

WATER VALVE 3/4"
WITH VALVE BOX

WATER LINE 3/4"

STOP VALVE 3/4" AND
VALVE BOX

WALL HYDRANT
MOUNT ON WEST FACE
OF ABUTMENT
36" ABOVE RIVERWALK

DI WATER SERVICE 6"
(TYP)

10" DI WATER MAIN

EX SAN SEWER TO REMAIN

PR WATER
VALVE VAULT

EXISTING WATER MAIN

N

SCALE: 1"=20'

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
WILSON STREET

UTILITY RELOCATION PLAN

STA 13+00 TO STA 15+72.69

SCALE: 1"=20'
DATE 07/28/2006

DRAWN BY AWM
CHECKED BY AKK

PLOT DATE = 09/14/2006
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USER NAME = #USER#

s:\civil\dgn\utilrelocate02.dgn 09/14/2006 08:31 AM

- B.M.#3 - Chiseled '+' on the sidewalk at the NW corner of Wilson Street and River Street Elev. 680.11

- Existing Structure- The existing structure, number 045-6050, is a three-span cast-in-place steel reinforced concrete filled spandrel arch built in 1911. The total length of the bridge back to back of abutments is 274'±. Individual spans measure 68'±, 88'± and 68'±. The out-to-out deck dimension is 62'-4"±. The abutments are steel reinforced concrete counterfort type and piers are steel reinforced concrete. The abutments and piers are supported on spread footings resting on bedrock. Traffic to be maintined utilizing staged construction.

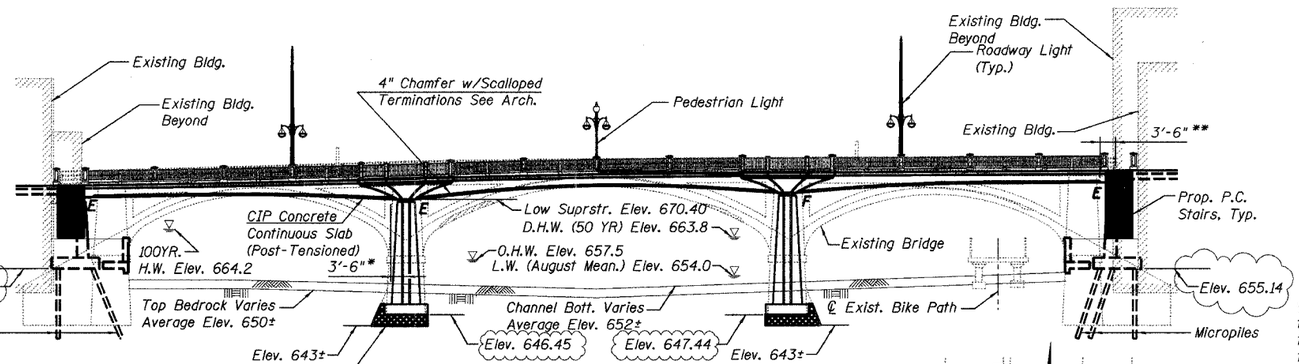
- Salvage existing roadway lights, monument at NW corner of bridge and portions of the existing abutments.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1441	00-00059-00-BR	KANE	154	72
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. S1 of S52 SHEETS

Contract # 83869

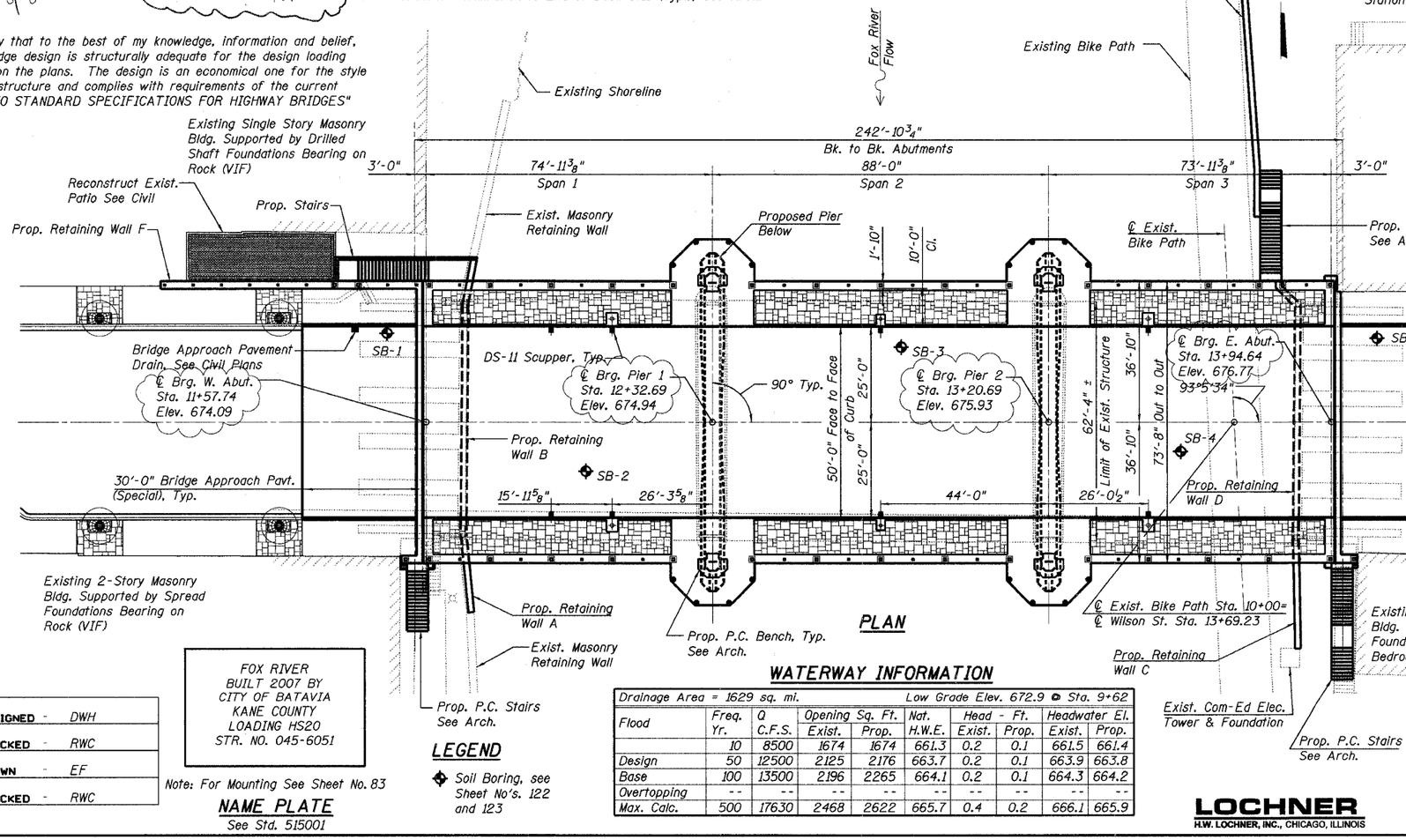


ELEVATION
(Looking North)

* 4" Chamfer Termination to ℄ Pier (Typ.), See Arch.
** 4" Chamfer Termination to End of Deck Slab (Typ.), See Arch.

License Expires: 11/30/2008
Current Date: 11/6/2006

I certify that to the best of my 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 the structure and complies with requirements of the current "AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES"



PLAN

WATERWAY INFORMATION

Drainage Area = 1629 sq. mi. — Low Grade Elev. 672.9 @ Sta. 9+62

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft. Exist.	Opening Sq. Ft. Prop.	Nat. H.W.E.	Head - Ft. Exist.	Head - Ft. Prop.	Headwater El. Exist.	Headwater El. Prop.
	10	8500	1674	1674	661.3	0.2	0.1	661.5	661.4
Design	50	12500	2125	2176	663.7	0.2	0.1	663.9	663.8
Base	100	13500	2196	2265	664.1	0.2	0.1	664.3	664.2
Overtopping	--	--	--	--	--	--	--	--	--
Max. Calc.	500	17630	2468	2622	665.7	0.4	0.2	666.1	665.9

HIGHWAY CLASSIFICATION
Wilson Street
Functional Class: Minor Arterial
ADT: 24,600 (2004); 34,000 (2030)
DHV: 3400
Design Speed: 30 m.p.h.
Posted Speed: 25 m.p.h.

LOADING HS20-44

DESIGN SPECIFICATIONS
AASHTO 17th Edition (2002)

DESIGN STRESSES

CONC. DECK SLAB
f'_c = 6000 psi (HPC)
f_y = 60,000 psi (reinforcement)
f'_s = 270,000 psi (0.6" ϕ low relaxation)

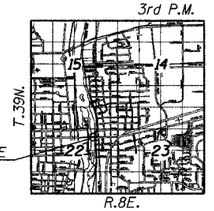
CONC. PIER
f'_c = 3500 psi
f_y = 60,000 psi (reinforcement)
f'_s = 270,000 psi (0.6" ϕ low relaxation)

REINFORCED CONCRETE
f'_c = 3500 psi
f_y = 60,000 psi (reinforcement)

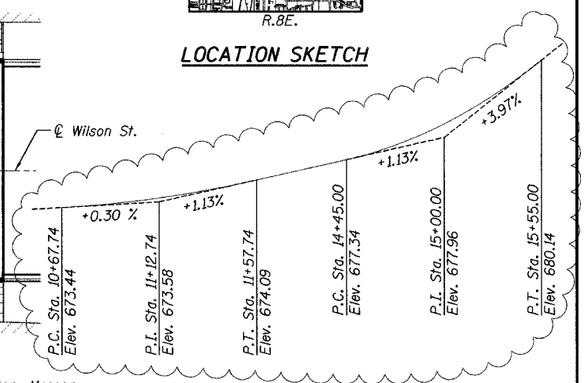
STRUCTURAL STEEL
f_y = 50,000 psi

SEISMIC DATA
Seismic Performance Category (SPC) = A
Bedrock Acceleration Coefficient (A) = 0.04g
Site Coefficient (S) = 1.0

Existing 3-Story Masonry Bldg. Supported by Spread Foundations Bearing on Bedrock (VIF)



LOCATION SKETCH



PROPOSED PROFILE GRADE LINE
(Along ℄ Wilson St.)

FOX RIVER
BUILT 2007 BY
CITY OF BATAVIA
KANE COUNTY
LOADING HS20
STR. NO. 045-6051

Note: For Mounting See Sheet No. 83

NAME PLATE
See Std. 515001

LEGEND
Soil Boring, see Sheet No's. 122 and 123

NOTES
1. For typical bridge cross section, see Sheet No. 74.
2. For existing and proposed utilities, see Civil Plans.
3. For Benchmark's, Alignment and Ties, see Sheet No. 13.

DESIGNED	DWH
CHECKED	RWC
DRAWN	EF
CHECKED	RWC

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

GENERAL PLAN & ELEVATION
WILSON ST OVER FOX RIVER
SECTION 00-00059-00-BR
KANE COUNTY
STRUCTURE NO. 045-6051

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1441	00-00059-00-BR	KANE	154	73
FED. ROAD DIST. NO. 7		ILLINOIS	*FED. AID PROJECT*	

SHEET NO. S2 of S52 SHEETS

Contract # 83869

GENERAL NOTES

1. Expansion joint embed's and attached bars shall be shop painted with the inorganic zinc rich primer.

2. The structural steel bearing plates of the Bearing Assemblies shall conform to the requirements of AASHTO M 270 Grade 50.

3. Reinforcement bars shall conform to the requirements of AASHTO M31, M42 or M53 Grade 60.

4. The Contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.

5. Plan dimensions and details relative to existing structures have been taken from available existing plans and field survey and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

6. Bridge Seat Sealer shall be applied to the seat area of the piers & abutments.

7. All Construction joints shall be bonded.

8. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $\frac{1}{8}$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $\frac{1}{2}$" adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. (For Type I Elastomeric Bearings, two $\frac{1}{8}$" adjusting shims shall be provided for each bearing and placed as detailed).

9. 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 and temporary falsework and forms for the C.I.P. Superstructure. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number NE2006064 which was issued for the permanent construction.

10. Temporary falsework and forms shall not significantly impede normal Fox River Flow.

11. The maximum design bearing pressure (net) for spread foundations bearing on rock (Piers, Retaining Walls A thru E) is 15 ksf. The maximum design bearing pressure (net) for Retaining Wall F is 3 ksf. The maximum allowable foundation bearing pressure shall be verified in the field by a qualified Geotechnical Engineer to equal or exceed those given above.

12. The contractor shall coordinate structural work with civil, electrical and architectural work.

Revised 12-8-06

TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub.	Total
POROUS GRANULAR EMBANKMENT	CU YD		2165	2165
PROTECTIVE COAT	SQ YD	275		275
BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD		342	342
CONCRETE REMOVAL	CU YD		140	140
MASONRY REMOVAL	CU YD		54.5	54.5
STRUCTURE EXCAVATION	CU YD		773	773
ROCK EXCAVATION FOR STRUCTURES	CU YD		310	310
CONCRETE STRUCTURES	CU YD	2.2	1517.1	1519.3
RUBBED FINISH	SQ FT		967	967
CONCRETE SUPERSTRUCTURE	CU YD	178.9		178.9
BRIDGE DECK GROOVING	SQ YD	1264		1264
ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	28		28
REINFORCEMENT BARS, EPOXY COATED	POUND	158040	280430	438470
NAME PLATES	EACH	1		1
BRIDGE SEAT SEALER	SQ FT		1041	1041
GEOCOMPOSITE WALL DRAIN	SQ YD		403	403
PIPE UNDERDRAINS FOR STRUCTURES 6"	FOOT		539	539
HIGH PERFORMANCE CONCRETE STRUCTURES	CU YD	1698.0		1698.0
DRAINAGE SCUPPERS, DS-11	EACH	8		8
TEMPORARY SOIL RETENTION SYSTEM	SQ FT		3100	3100
FLOATING BEARINGS, FIXED, 800K	EACH	10		10
FLOATING BEARINGS, GUIDED EXPANSION, 800K	EACH	10		10
BAR SPLICERS	EACH	636	526	1162
BRIDGE DECK LATEX CONCRETE OVERLAY	SQ YD	1322		1322
DRILL AND GROUT DOWEL BARS (SPECIAL)	EACH		108	108
REMOVE OF EXISTING CONCRETE ARCH BRIDGE (SPECIAL)	L.SUM.		1	1
COFFERDAMS (SPECIAL)	EACH		3	3
BAR COUPLERS (SPECIAL)	EACH	76	114	190
MICROPILE, 200 TON (SPECIAL)	EACH		45	45
CONCRETE PAVER, TYPE B	SQ FT	3343		3343
STRIP SEAL EXPANSION JOINT (SPECIAL)	FOOT	159		159
CONCRETE FILL (SPECIAL)	CU YD		353.5	353.5
FURNISHING, INSTALLING AND STRESSING POST-TENSIONING STRANDS (SPECIAL)	POUND	113330	20360	133690
RUSTICATION FINISH TYPE I (SPECIAL)	SQ.FT.		2299	2299
RUSTICATION FINISH TYPE II (SPECIAL)	SQ.FT.		1465	1465
BRIDGE RAILING (SPECIAL)	FOOT	416		416
OUTLOOK RAILING (SPECIAL)	FOOT	140		140
STAIR RAILING (SPECIAL)	FOOT	202		202
REMOVE, STORE AND RE-INSTALL EXISTING MONUMENT (SPECIAL)	L.SUM	1		1
ARCHITECTURAL PRE-CAST CONCRETE - DIES (SPECIAL)	EACH	35		35
ARCHITECTURAL PRE-CAST CONCRETE - BRIDGE CURB (SPECIAL)	FOOT	405		405
ARCHITECTURAL PRE-CAST CONCRETE - OUTLOOK CURB (SPECIAL)	FOOT	119		119
ARCHITECTURAL PRE-CAST CONCRETE - POST BASE (SPECIAL)	EACH	16		16
ARCHITECTURAL PRE-CAST CONCRETE - BENCH PLANTER SYSTEM (SPECIAL)	EACH	4		4
ARCHITECTURAL PRE-CAST CONCRETE - SOUTHWEST STAIR SYSTEM (SPECIAL)	L.SUM.	1		1
ARCHITECTURAL PRE-CAST CONCRETE - SOUTHEAST STAIR SYSTEM (SPECIAL)	L.SUM.	1		1
ARCHITECTURAL PRE-CAST CONCRETE - NORTHEAST STAIR SYSTEM (SPECIAL)	L.SUM.	1		1

INDEX OF SHEETS

STRUCTURAL ABBREVIATIONS

Abut.	Abutment	E	East	Min.	Minimum	Rt.	Right
Arch.	Architectural	E/	Edge of	NS	Near Side	Sht.	Sheet
Bk.	Back	El. or Elev.	Elevation	Nom.	Nominal	SE	Southeast
Brg.	Bearing	Exist.	Existing	NE or N.E.	Northeast	SW	Southwest
Btwn.	Between	Exp.	Expansion	NW or N.W.	Northwest	Spa.	Spaces or Spacing
B/	Bottom of	F/	Face of	N.T.S.	Not to Scale	Sq.	Square
Bot.	Bottom	FS	Far Side	No(s).	Number(s)	S.S.	Stainless Steel
Bldg.	Building	FT	Foot or Feet	O/S	Offset	Sta.	Station
CIP	Cast in Place	Ftg.	Footing	Opp.	Opposite	Stl.	Steel
℄	Centerline	Galv.	Galvanized	Pavt.	Pavement	St.	Street
Cts.	Centers	Gr.	Grade	℗	Plate	Sym.	Symmetrical
Cl.	Clear	HSS	Hollow Structural Section	PT	Post Tension(ed)	Temp.	Temporary
Conc.	Concrete	I.D.	Inside Diameter	P.C.	Precast	Thk.	Thick
CJ	Construction Joint	Jt.	Joint	P.J.F.	Preformed Joint Filler	T/	Top of
Const(r).	Construction	L	Angle	PGL	Profile Grade Line	Typ.	Typical
Dia.	Diameter	Lt.	Left	Prop.	Proposed	UNO	Unless Noted Otherwise
DP.	Deep	Lg.	Long	R or Rad.	Radius	VIF	Verify in Field
Ea.	Each	Max.	Maximum	Req'd	Required	W	West
						W/	With

DESIGNED -	DWH
CHECKED -	RWC
DRAWN	EF
CHECKED -	RWC

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

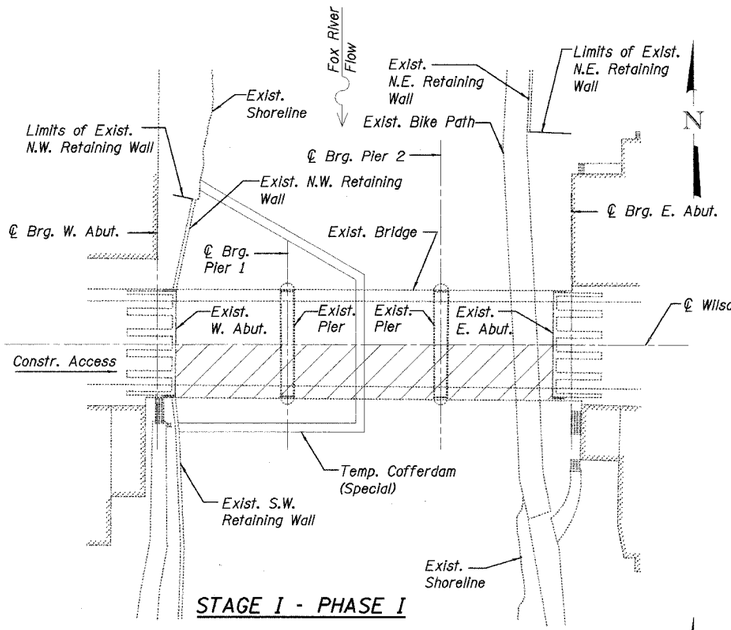
GENERAL NOTES, BILL OF MATERIAL & INDEX OF SHEETS
WILSON ST OVER FOX RIVER
SECTION 00-00059-00-BR
KANE COUNTY
STRUCTURE NO. 045-6051

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

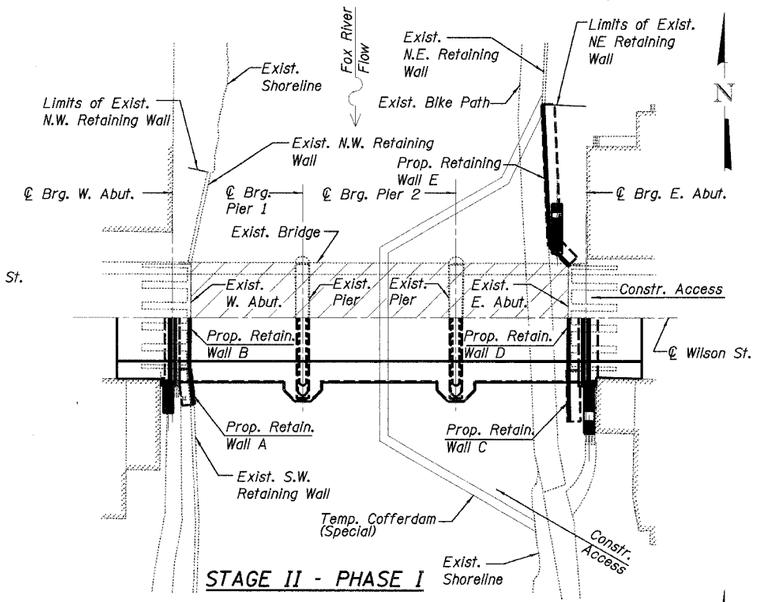
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAU 1441	00-00059-00-BR	KANE	154	81
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT:	

SHEET NO. S10 of S52 SHEETS

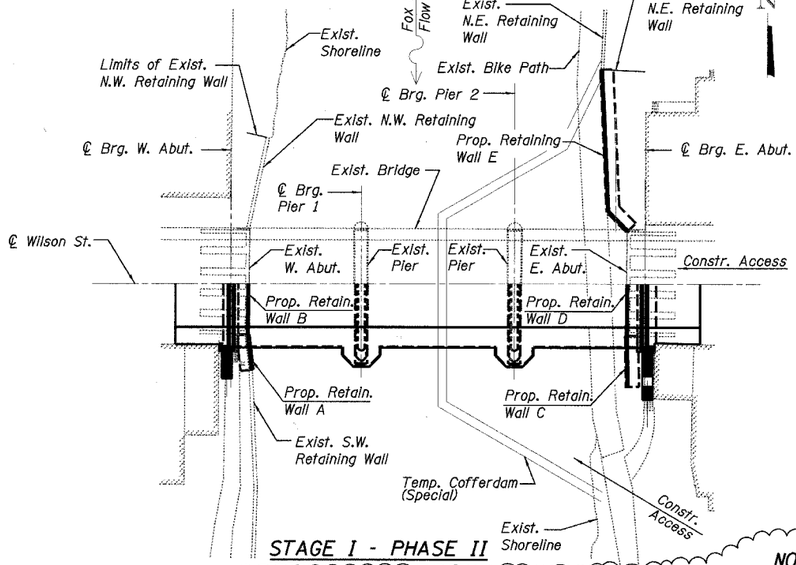
Contract # 83869



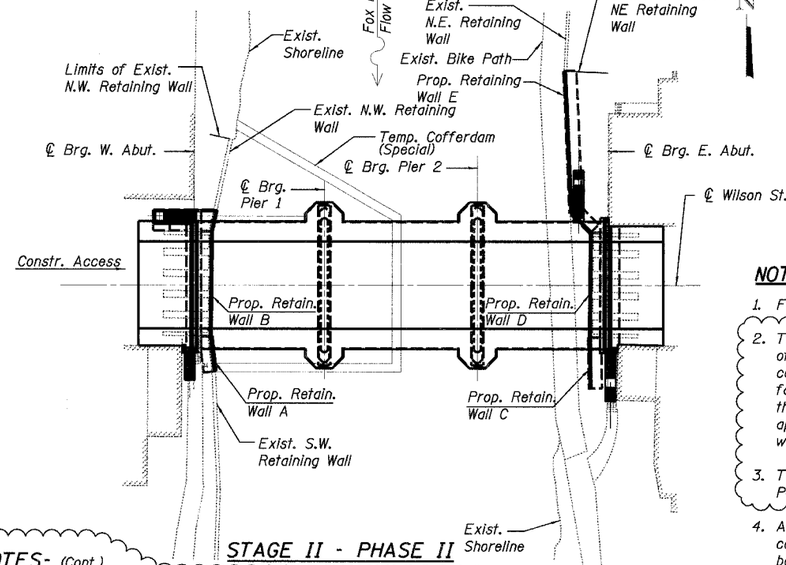
STAGE I - PHASE I



STAGE II - PHASE I



STAGE I - PHASE II



STAGE II - PHASE II

STAGE I - PHASE I

1. Temporarily close bridge to traffic.
2. Construct temporary soil retention wall.
3. Remove south-half of existing superstructure.
4. Open north-half of existing bridge to traffic.
5. Construct temporary cofferdam.
6. Begin constructing south-half of E. Abut and W. Abut.
7. Remove south-half of existing West Pier.
8. Begin constructing Retaining Walls A and B.
9. Construct south-half of proposed Pier 1.
10. Set superstructure falsework.
11. Remove temporary cofferdam.

STAGE I - PHASE II

1. Construct temporary cofferdam.
2. Begin constructing Retaining Walls C, D and E.
3. Remove south-half of existing East Pier.
4. Set superstructure falsework.
5. Construct south-half of proposed Pier 2.
6. Complete construction of south-half E. Abut. and W. Abut.
7. Cast superstructure and post-tension superstructure after it has reached the specified strength.
8. Remove falsework.

STAGE II - PHASE I

1. Use the same cofferdam as Stage I - Phase II.
2. Switch traffic to south-half of new bridge.
3. Remove north-half of existing superstructure.
4. Remove north-half of existing East Pier.
5. Construct north-half of proposed Pier 2.
6. Set superstructure falsework.
7. Begin construction of north-half of E. Abut. and W. Abut.
8. Complete construction of Retaining Wall C, D & E.
9. Remove cofferdam.

STAGE II - PHASE II

1. Construct temporary cofferdam.
2. Remove north-half of existing West Pier.
3. Construct north-half of proposed Pier 1.
4. Set superstructure falsework.
5. Complete construction of north-half of E. Abut. and W. Abut.
6. Cast superstructure and post-tension superstructure after it has reached the specified strength.
7. Remove falsework.
8. Complete construction of Retaining Wall A and B.
9. Remove cofferdam.

STAGE III

1. Construct deck slab closure
2. Construct Latex Modified Concrete Overlay

NOTES

1. For soil erosion and sediment control measures, see Civil Plans.
2. 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 excluding cofferdams and temporary falsework and forms per approval of the Engineer. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR permit number NE2006064 which was issued for the permanent construction.
3. Temporary cofferdams shall conform to the U.S. Army Corps of Engineers Permit No. LRC-2006-544 issued for this project.
4. All construction debris shall be removed from the riverbed prior to completion of the project and the riverbed and stream banks shall be restored to their original condition.

Revised 11-8-06

LEGEND

Removal

DESIGNED	DWH
CHECKED	RWC
DRAWN	EF
CHECKED	RWC

COFFERDAM DESIGN INFORMATION

	Top of Cofferdam Elevation		
	661.6	659.5	658.0
Allow overtopping (See Note 6)	----	≥ 1950 cfs	≥ 1260 cfs
Notch (See Note 7)	≥ 3862 cfs	≥ 4890 cfs	≥ 5599 cfs
Remove	≥ 6674 cfs	≥ 6674 cfs	≥ 6674 cfs

Discharges (See Note 5)

Added 11-8-06

NOTES- (Cont.)

5. Discharges are as measured at the Fox River Algonquin Dam gauge.
6. Contractor shall remove loose material and equipment prior to overtopping.
7. Contractor shall remove at least 50' (as measured perpendicular to the flow) of the upstream and downstream legs of the cofferdam.
8. In addition, the Contractor will be required to notch or remove the cofferdam as directed by the Engineer.
9. Cofferdam shall not obstruct more than 50% of the existing low water opening.
10. Temporary falsework and forms shall not significantly impede normal flow.

LOCHNER
H.W. LOCHNER, INC., CHICAGO, ILLINOIS

BRIDGE CONSTRUCTION SEQUENCE IV
WILSON ST OVER FOX RIVER
SECTION 00-00059-00-BR
KANE COUNTY
STRUCTURE NO. 045-6051