

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAU ROUTE 5952 /SBI 7 (U.S. RTE. 6)
SECTION G-BR-1
PROJECT BRM-5952 (002)
GRUNDY COUNTY

C - 93 - 069 - 05

PROJECT DESCRIPTION

BRIDGE AND APPROACH ROADWAY RECONSTRUCTION
WITH PROVISIONS FOR FUTURE RECONSTRUCTION
OF ADJACENT ROADWAY

EXIST. S.N. 032-0081

PROP. S.N. 032-0108

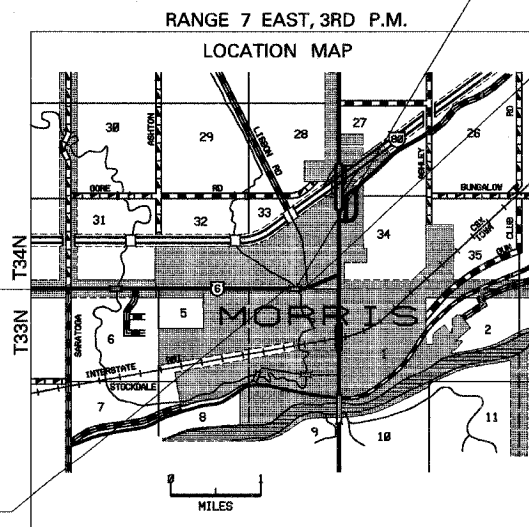
PROJECT LENGTH: 147.50'
EXISTING SUPERSTRUCTURE
AND SUBSTRUCTURE
REPLACEMENT

END IMPROVEMENT

STA 560+46.21

BEGIN IMPROVEMENT

STA 554+56.21



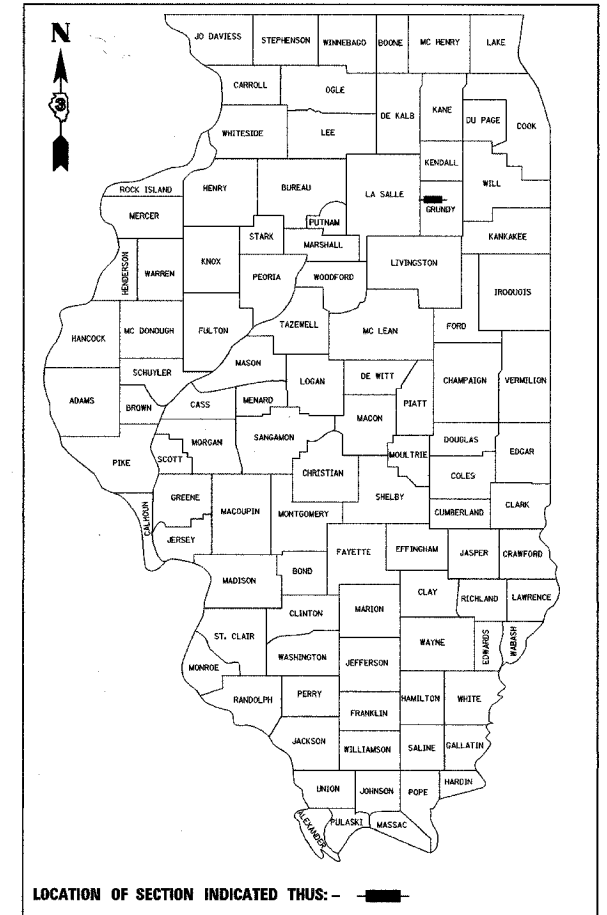
GROSS LENGTH = 590 FT. = 0.11 MI.
NET LENGTH = 442.5 FT. = 0.08 MI.



DATE: November 4, 2005

LICENSE EXPIRES: November 30, 2005

BOWMAN, BARRETT
& ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

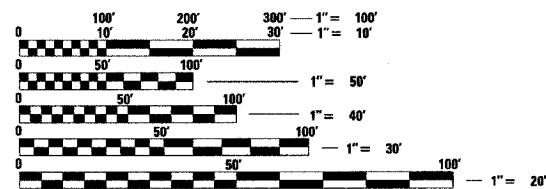
MINOR ARTERIAL
2003 ADT 15,600
14,500 P.C. 850 S.U. 250 M.U.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED November 4, 2005
Gregory Mounts
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
February 3, 2006
Mike Hine
ENGINEER OF DESIGN AND ENVIRONMENT
February 3, 2006
Milton R. Sees
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2



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.

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS _____

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

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: R. POWELL
UNIT CHIEF: B. DUNCAN
TOWNSHIP: MORRIS /SARATOGA
CONTRACT NO. 66563

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	2
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

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47	CROSS SECTIONS
48	CROSS SECTIONS
49	CROSS SECTIONS
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280001-02	TEMPORARY EROSION CONTROL SYSTEMS
542301	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001	CATCH BASIN TYPE A
602301	INLET - TYPE A
602306	INLET - TYPE B
602401	MANHOLE TYPE A
602601	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701	CAST IRON STEPS
604001-02	FRAME AND LIDS TYPE 1
604006-02	FRAME AND GRATE TYPE 3
606001-02	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
631051-01	TRAFFIC BARRIER TERMINAL TYPE 11
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-03	LANE CLOSURE MULTILANE1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-05	TRAFFIC CONTROL DEVICES
704001-02	TEMPORARY CONCRETE BARRIER
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
729001	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS
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814001	CONCRETE HANDHOLES
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

INCLUDED IN THE PRICE OF THE ITEM BEING REMOVED.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

REVIEWED BY: Steven B. Anderson
DISTRICT STUDIES & PLANS ENGINEER (ACTING)

DATE: NOVEMBER 4, 2005

EXAMINED BY: Richard R. J...
DISTRICT CONSTRUCTION ENGINEER

James A. Anderson
DISTRICT OPERATIONS ENGINEER

Kenneth R. Long
DISTRICT MATERIALS ENGINEER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		U.S. ROUTE 6 INDEX OF SHEETS AND STANDARDS

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



SCALE: VERT. N.T.S.
HORIZ. N.T.S.
DATE 10/25/05

DRAWN BY RGR
CHECKED BY DDM

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	3
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOUR NOTIFICATION IS REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- BARRICADES:** THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SANDBAG ACROSS EACH BOTTOM RAIL. THE CONTRACTOR WILL PROVIDE AND INSTALL FOUR (4) WEIGHTED SANDBAGS ON EACH TYPE III BARRICADE USED.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- AGGREGATE (PRIME COAT):** FA 20 MAY BE USED IN ADDITION TO THE GRADATIONS LISTED IN THE 3RD PARAGRAPH OF ARTICLE 1003.03(c) OF THE STANDARD SPECIFICATIONS.
- ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW BITUMINOUS PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.
- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2002 (HEREIN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS). THE SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS ADOPTED JANUARY 1, 2005, THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS (LATEST EDITION), THE LATEST I.D.O.T. STANDARDS, THE SPECIAL PROVISIONS IN THE CONTRACT DOCUMENTS AND ALL INFORMATION SHOWN IN THE PLANS.
- THE LOCATIONS OF THE EXISTING UTILITIES, AS SHOWN ON THE DRAWINGS, REPRESENT DATA RECEIVED FROM VARIOUS SOURCES. IT IS NOT GUARANTEED TO BE CORRECT OR ALL INCLUSIVE, THE CONTRACTOR SHALL CONDUCT HIS OWN INVESTIGATIONS INTO THE LOCATION, SIZE, DEPTH, AND NATURE OF ANY AND ALL EXISTING UTILITIES WHICH MAY INTERFERE WITH THE WORK UNDER THIS CONTRACT. ANY EXISTING UTILITIES WHICH ARE TO REMAIN IN SERVICE SHALL BE FULLY PROTECTED BY THE CONTRACTOR AND ANY DAMAGE CAUSED BY THE CONSTRUCTION SHALL BE IMMEDIATELY REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL COOPERATE WITH I.D.O.T. AND ANY UTILITY COMPANIES REGARDING UTILITY CONSTRUCTION/RELOCATION ACTIVITIES THAT THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED, ADJUSTED OR MOVED, IF NECESSARY, PRIOR TO THE START OF ANY AND ALL CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF UNDER GROUND AND SURFACE FACILITIES, EVEN THOUGH THEY MAY NOT BE IDENTIFIED ON THE PLANS.
- UTILITY ADJUSTMENTS FOR PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENT SHALL BE MADE BY THE RESPECTIVE OWNERS.
- IF EXISTING DRAINAGE FACILITIES ARE DAMAGED OR DISTURBED BY THE CONTRACTOR, HE SHALL PROVIDE TEMPORARY OUTLETS AND CONNECTIONS FOR PRIVATE AND PUBLIC DRAINS, SEWERS, AND CATCH BASINS. HE SHALL ALSO PROVIDE FACILITIES TO TAKE AND DISCHARGE ALL STORM WATER RECEIVED BY THOSE DAMAGED DRAINS AT NO EXTRA COMENSATION UNTIL PERMANENT CONNECTIONS ARE IN PLACE.
- WHEN, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSITED IN DRAINAGE STRUCTURES AND THE FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES (NEW AND EXISTING) SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.
- ALL EMBANKMENT AND EXCAVATION SHALL BE CONSTRUCTED 4" BELOW THE FINISHED GRADE LINE TO ALLOW FOR TOPSOIL PLACEMENT OF THE AREAS TO BE SEEDED OR SODDED.
- THE ENGINEER SHALL BE THE SOLE JUDGE ON CURING TIME FOR VARIOUS BITUMINOUS LIFTS, ACCORDING TO IDOT STANDARD SPECIFICATIONS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT.
- ALL DISTRIBUTORS FOR BITUMINOUS PAVING OPERATIONS SHALL BE EQUIPPED WITH SHIELDS TO PREVENT DAMAGES TO MOTORISTS' VEHICLES AND TO ADJACENT HIGHWAY APPURTENANCES.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION.
- THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE INCLUDED IN THE COST OF THE NEW SEWER.
- ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRICAL CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 24 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.
- ABANDONED UNDERGROUND UTILITES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON PRIVATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE OWNERS.
- THE LIMITS OF ALL PCC OR BITUMINOUS PAVEMENTS, CURBING OR SIDEWALKS ADJACENT TO EXISTING LIKE PAVEMENTS, CURBING OR SIDEWALKS SHALL BE SAWCUT IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS OR AT THE DIRECTION OF THE ENGINEER. THE PRICE FOR SAW CUTTING SHALL BE INCLUDED IN THE PRICE OF THE ITEM BEING REMOVED.
- THE RELOCATION OF MAILBOXES WILL BE PERFORMED BY THE CONTRACTOR UNDER THIS CONTRACT AS DIRECTED BY THE ENGINEER. ALL MAILBOX RELOCATIONS ARE INCLUDED TO THE COST OF DRIVEWAY PAVEMENT REMOVAL.
- THE CONTRACTOR, AS REQUIRED, SHALL OBTAIN ALL NECESSARY PERMITS FROM AGENCIES INVOLVED PRIOR TO COMMENCING WITH CONSTRUCTION. SPECIAL ATTENTION IS CALLED TO THE REQUIREMENTS OF A NPDES/EROSION CONTROL PERMIT. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND COST TO PREPARE AND SUBMIT THE PLAN AND PERMIT IN ACCORDANCE WITH THE EROSION CONTROL SPECIAL PROVISION.
- THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.
- THE CONTRACTOR'S OPERATIONS AND TEMPORARY STORAGE ACTIVITIES SHALL BE LIMITED TO THE WORK AREA IMMEDIATELY ADJACENT TO PROPOSED CURB LINES. ANY ADDITIONAL STAGING AREAS ADJACENT TO THE PROJECT ARE SUBJECT TO PRIOR APPROVAL BY THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR COMPLIANCE WITH THE ABOVE.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- TEMPORARY EASEMENT AREAS, EXCEPT WHERE NOTED OTHERWISE, SHALL BE FULLY RESTORED BY THE CONTRACTOR AS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE RESTORATION OF THE EASEMENT AREAS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED TO THE EARTHWORK AND SEEDING ITEMS OF THE CONTRACT.
- PGL INDICATES THE PROFILE GRADE LINE.
- THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ALL NECESSARY EXISTING SIGNAGE THROUGHOUT CONSTRUCTION AS DIRECTED BY THE ENGINEER; THIS INCLUDES RELOCATING EXISTING SIGNS DUE TO CONSTRUCTION CONFLICTS. SIGNS NOT SHOWN TO BE REPLACED BECOME THE RESPONSIBILITY OF THE CONTRACTOR, AND THE CONTRACTOR WILL BE REQUIRED TO FURNISH NEW SIGNS FOR ANY SIGNS SUFFICIENTLY DAMAGED AFTER THE START OF CONSTRUCTION, AS DECIDED BY THE ENGINEER. THE PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL THE CONTRACTOR HAS RELOCATED EXISTING SIGNS TO REMAIN TO THEIR NEW LOCATIONS AS DECIDED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE LUMP SUM ITEM FOR "TRAFFIC CONTROL AND PROTECTION."
- THE CONTRACTOR MUST PROTECT NEW DRAINAGE STRUCTURES FROM THE ENTRY OF ERODED SOILS AS DIRECTED BY THE ENGINEER. THE COST OF THIS WORK WILL BE INCLUDED IN THE PRICE OF THE DRAINAGE STRUCTURES.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS RESURFACING	112	LBS / SQ YD / IN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
GENERAL NOTES

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



SCALE: VERT. N.T.S.
HORIZ. N.T.S.
DATE 10/25/05

DRAWN BY TF
CHECKED BY DDW

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	4
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

URBAN
80% FEDERAL
20% STATE
0% CITY

ROADWAY

EAST FORK
NETTLE CR.
PR. 032-010B
EX. 032-00B1

CODE NO	ITEM	UNIT	TOTAL QUANTITY	X020-2A	X020-2A
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	21	21	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	36	36	
20200100	EARTH EXCAVATION	CU YD	382	382	
20300100	CHANNEL EXCAVATION	CU YD	154	154	
20400800	FURNISHED EXCAVATION	CU YD	62	62	
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	952	952	
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	705	705	
25000210	SEEDING, CLASS 2A	ACRE	0.2	0.2	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	18	18	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	18	18	1830
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	18	18	
25100115	MULCH, METHOD 2	ACRE	0.35	0.35	
25100630	EROSION CONTROL BLANKET	SQ YD	705	705	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	35	35	
28000400	PERIMETER EROSION BARRIER	FOOT	1178	1178	
28000500	INLET AND PIPE PROTECTION	EACH	2	2	
28100107	STONE RIPRAP, CLASS A4	SQ YD	760		760
28200200	FILTER FABRIC	SQ YD	760		760
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	560	560	
40600300	AGGREGATE (PRIME COAT)	TON	4.3	4.3	
42001400	BRIDGE APPROACH PAVEMENT (SPECIAL)	SQ YD	550	550	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	51	51	
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	477	477	
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	1494	1494	
42400420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT	494	494	
44000009	BITUMINOUS SURFACE REMOVAL 3"	SQ YD	1591	1591	
44000100	PAVEMENT REMOVAL	SQ YD	347	347	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	360	360	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	972	972	
44000600	SIDEWALK REMOVAL	SQ FT	1901	1901	
44000700	APPROACH SLAB REMOVAL	SQ YD	125	125	
44004000	PAVED DITCH REMOVAL	FOOT	19	19	
44004400	PAVEMENT REMOVAL (SPECIAL)	SQ YD	401	401	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50105220	PIPE CULVERT REMOVAL	FOOT	38	38	

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BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
SUMMARY OF QUANTITIES

SCALE: VERT. NTS
HORIZ. NTS
DATE 10/25/05

DRAWN BY RGR
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SUMMARY OF QUANTITIES

URBAN
80% FEDERAL
20% STATE
0% CITY

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	5
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

CODE NO	ITEM	UNIT	TOTAL QUANTITY	ROADWAY	EAST FORK NETTLE CR. PR. 032-0108 EX. 032-0081
50200100	STRUCTURE EXCAVATION	CU YD	177	X020-2A	X020-2A
50300100	FLOOR DRAINS	EACH	8		8
50300225	CONCRETE STRUCTURES	CU YD	270.7		270.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	422.5		422.5
50300260	BRIDGE DECK GROOVING	SQ YD	632		632
50300300	PROTECTIVE COAT	SQ YD	1423	568	855
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	102250		102250
50900105	ALUMINUM RAILING, TYPE L	FOOT	211		211
51201400	FURNISHING STEEL PILES HP10X42	FOOT	1630		1630
51202700	DRIVING STEEL PILES	FOOT	1630		1630
51203400	TEST PILE STEEL HP10X42	EACH	2		2
51205200	TEMPORARY SHEET PILING	SQ FT	250		250
51401600	TEMPORARY BRIDGE RAIL	FOOT	231		231
51500100	NAME PLATES	EACH	1		1
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1	1	
54213672	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 27"	EACH	1	1	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1	
55100200	STORM SEWER REMOVAL 6"	FOOT	83	83	
55100500	STORM SEWER REMOVAL 12"	FOOT	43	43	
55101200	STORM SEWER REMOVAL 24"	FOOT	31	31	
55101300	STORM SEWER REMOVAL 27"	FOOT	172	172	
55101400	STORM SEWER REMOVAL 30"	FOOT	123	123	
60213800	RESTRICTED DEPTH CATCH BASINS, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1	
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	3	3	
60221200	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1	
60225400	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2	
60225500	RESTRICTED DEPTH MANHOLES, 5'-DIAMETER, TYPE 3 FRAME AND GRATE	EACH	1	1	
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	3	3	
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	3	3	
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2	
60500040	REMOVING MANHOLES	EACH	3	3	
60500060	REMOVING INLETS	EACH	3	3	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	843	843	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7	
67100100	MOBILIZATION	L SUM	1	1	

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BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
SUMMARY OF QUANTITIES

SCALE: VERT. NTS
 HORIZ. NTS
DATE 10/25/05

DRAWN BY RGR
CHECKED BY DDM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	6
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

SUMMARY OF QUANTITIES

URBAN
80% FEDERAL
20% STATE
0% CITY

ROADWAY X020-2A

EAST FORK
NETTLE CR.
PR. 032-0108
EX. 032-0081

CODE NO	ITEM	UNIT	TOTAL QUANTITY	X020-2A	X020-2A
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	6887	6887	
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	39	39	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	130	130	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	130	130	
* 70500690	TEMPORARY TRAFFIC BARRIER TERMINAL, TYPE 11	EACH	4	4	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	110	110	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3378	3378	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	447	447	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	569	569	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	364	364	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	189	189	
* 78005100	EPOXY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	16	16	
* 78005110	EPOXY PAVEMENT MARKING - LINE 4"	FOOT	814	814	
* 78005140	EPOXY PAVEMENT MARKING - LINE 8"	FOOT	83	83	
* 78005150	EPOXY PAVEMENT MARKING - LINE 12"	FOOT	222	222	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	35	35	
* 78100105	RAISED REFLECTIVE PAVEMENT MARKER (BRIDGE)	EACH	10	10	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	982	982	
81012200	CONDUIT IN TRENCH, 3/4" DIA., PVC	FOOT	21	21	
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	183	183	
81400400	CONCRETE HANDHOLE	EACH	1	1	
81500200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	198	198	
84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	1	1	
84200700	LIGHTING FOUNDATION REMOVAL	EACH	1	1	
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	195	195	
87900200	DRILL EXISTING HANDHOLE	EACH	3	3	
* 88600100	DETECTOR LOOP, TYPE 1	FOOT	116	116	
* 89502200	MODIFY EXISTING CONTROLLER	EACH	2	2	
X0315200	RELOCATE INTERCONNECT CABLE	FOOT	606	606	
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	13	13	
550A0160	STORM SEWERS, CLASS A, TYPE 1 36"	FOOT	18	18	
550A0420	STORM SEWERS, CLASS A, TYPE 2 27"	FOOT	195	195	
550A2320	STORM SEWERS, RUBBER GASKET, CLASS A, TYPE 1 12"	FOOT	214	214	

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
SUMMARY OF QUANTITIES

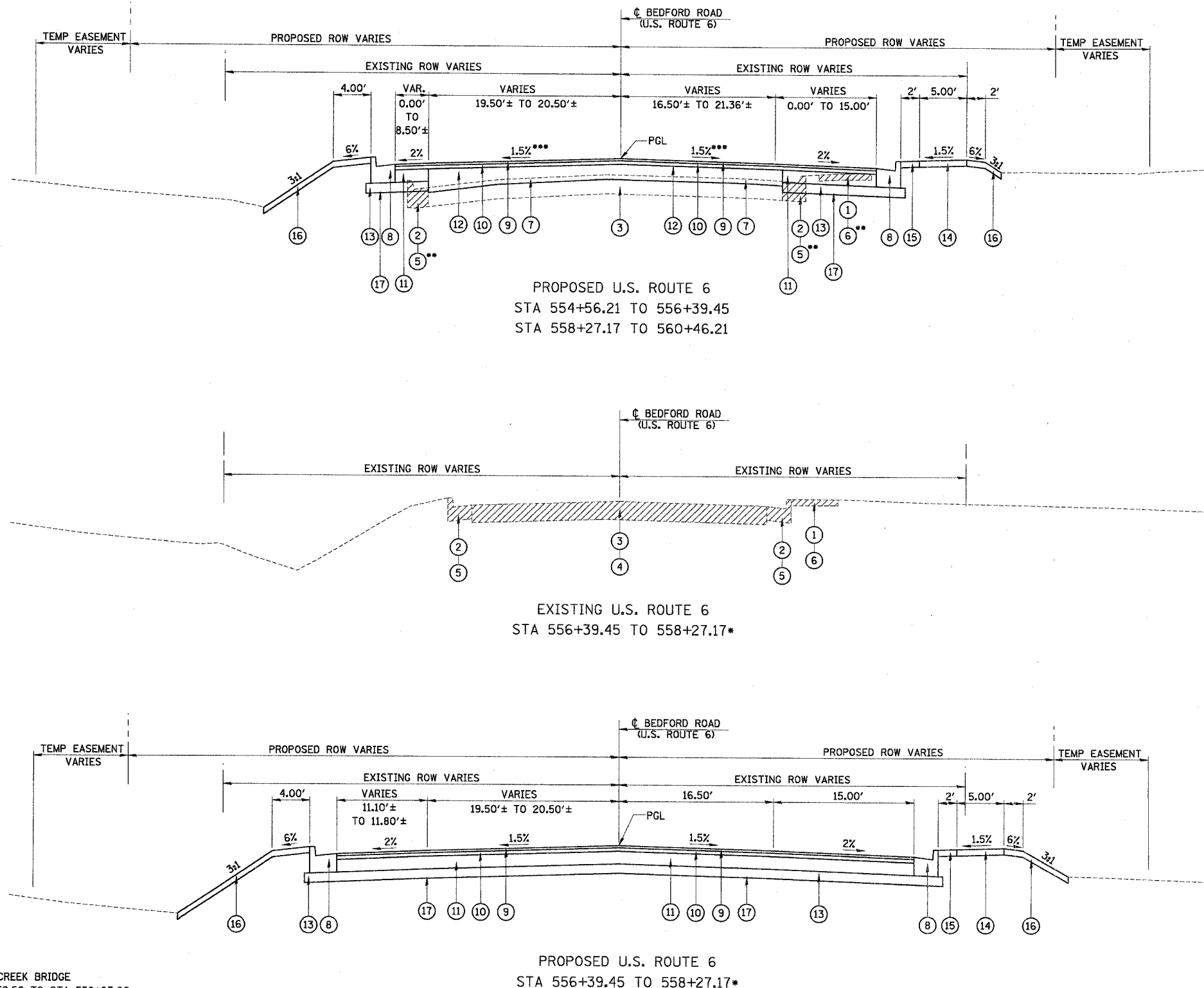
SCALE: VERT. NTS
HORIZ. NTS
DATE 10/25/05

DRAWN BY RGR
CHECKED BY DDM

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	8
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			



LEGEND

- ① EXISTING PCC SIDEWALK
- ② EXISTING COMBINATION CONCRETE CURB & GUTTER
- ③ EXISTING 13 1/2" BITUMINOUS PAVEMENT
- ④ PAVEMENT REMOVAL
- ⑤ COMBINATION CURB AND GUTTER REMOVAL
- ⑥ SIDEWALK REMOVAL
- ⑦ BITUMINOUS SURFACE REMOVAL 3"
- ⑧ COMBINATION CONCRETE CURB & GUTTER, TYPE B-6.24
- ⑨ BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70 (1 1/2")
- ⑩ BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70 (2 1/4")
- ⑪ BITUMINOUS CONCRETE BINDER COURSE, SUPERPAVE, IL-19.0, N70 (8")
- ⑫ LEVELING BINDER (MACHINE METHOD), SUPERPAVE N70
- ⑬ POROUS GRANULAR EMBANKMENT, SUBGRADE (6")
- ⑭ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
- ⑮ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL
- ⑯ TOPSOIL FURNISH AND PLACE 4" / SEEDING, CLASS 2A
- ⑰ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

REMOVALS

MIXTURES TABLE

	SUPERPAVE SURFACE	SUPERPAVE LEVEL BINDER	SUPERPAVE BINDER
PG GRADE	PG 64-22	PG 64-22	PG 64-22
MAX % RAP ALLOWABLE**	10	15	15
DESIGN AIR VOIDS	4.0% @ N70	4.0% @ N70	4.0% @ N70
MIXTURE COMPOSITION	IL 12.5 OR IL 9.5	IL 9.5	IL 19.0
FRICTION			
AGGREGATE	MIXTURE D		
PLANT LIMITS	CLASS I	CLASS I	CLASS I
DENSITY TEST METHOD	CORES	SATISFACTION OF THE ENGINEER	CORES

** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

- EAST FORK NETTLE CREEK BRIDGE OMISSION STA 556+59.56 TO STA 558+07.06 (SEE BRIDGE PLANS)
- REMOVAL LIMITS VARY SEE REMOVAL PLANS
- VARY CROSS SLOPE FROM STA 554+56.21 TO STA 555+06.21 AND FROM STA 559+96.21 TO STA 560+46.21 AS NECESSARY TO MEET EXISTING CONDITIONS AT PROJECT LIMITS

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
U.S. ROUTE 6 TYPICAL SECTIONS

SCALE: VERT. NTS
HORIZ. NTS
DATE 10/25/05

DRAWN BY KAR
CHECKED BY DDM

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	9
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

EARTHWORK SCHEDULE - STA 554+56.21 TO 556+46.21

LOCATION	EXCAVATION (CU YD)	ADJUSTED EX. (SHR = 0.25) FOR USE IN EMBANKMENT (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE(+) OR SHORTAGE(-) (CU YD)
554+80.39	2.4	1.8	0.0	1.8
555+00.00	12.6	9.4	0.6	8.8
555+41.55	11.4	8.5	0.7	7.8
555+50.00	6.1	4.6	2.6	2.0
555+75.00	8.4	6.3	15.8	-9.5
555+99.00	1.5	1.1	23.3	-22.2
556+17.94	3.9	2.9	31.0	-28.1
556+30.00	4.2	3.2	35.3	-32.1
556+50.00	3.6	2.7	36.6	-33.9
556+53.00	10.4	7.8	126.8	-119.0
558+20.00	62.1	46.6	68.7	-22.2
558+45.00	20.5	15.4	3.0	12.4
558+50.00	19.4	14.6	2.6	12.0
558+85.17	22.6	17.0	0.9	16.1
559+00.00	30.8	23.1	0.0	23.1
559+50.00	49.1	36.8	0.0	36.8
559+70.19	97.9	73.4	0.0	73.4
560+00.00	11.0	8.3	0.0	8.3
560+18.28	1.8	1.3	0.0	1.3
560+23.83	1.9	1.5	0.0	1.5
TOTALS	382	286	348	-62

EARTH EXCAVATION	382
FURNISHED EXCAVATION	62

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 130 E. RANDOLPH STREET
 CHICAGO, ILLINOIS 60601
 JOB NO. 541



REVISIONS	
NAME	DATE

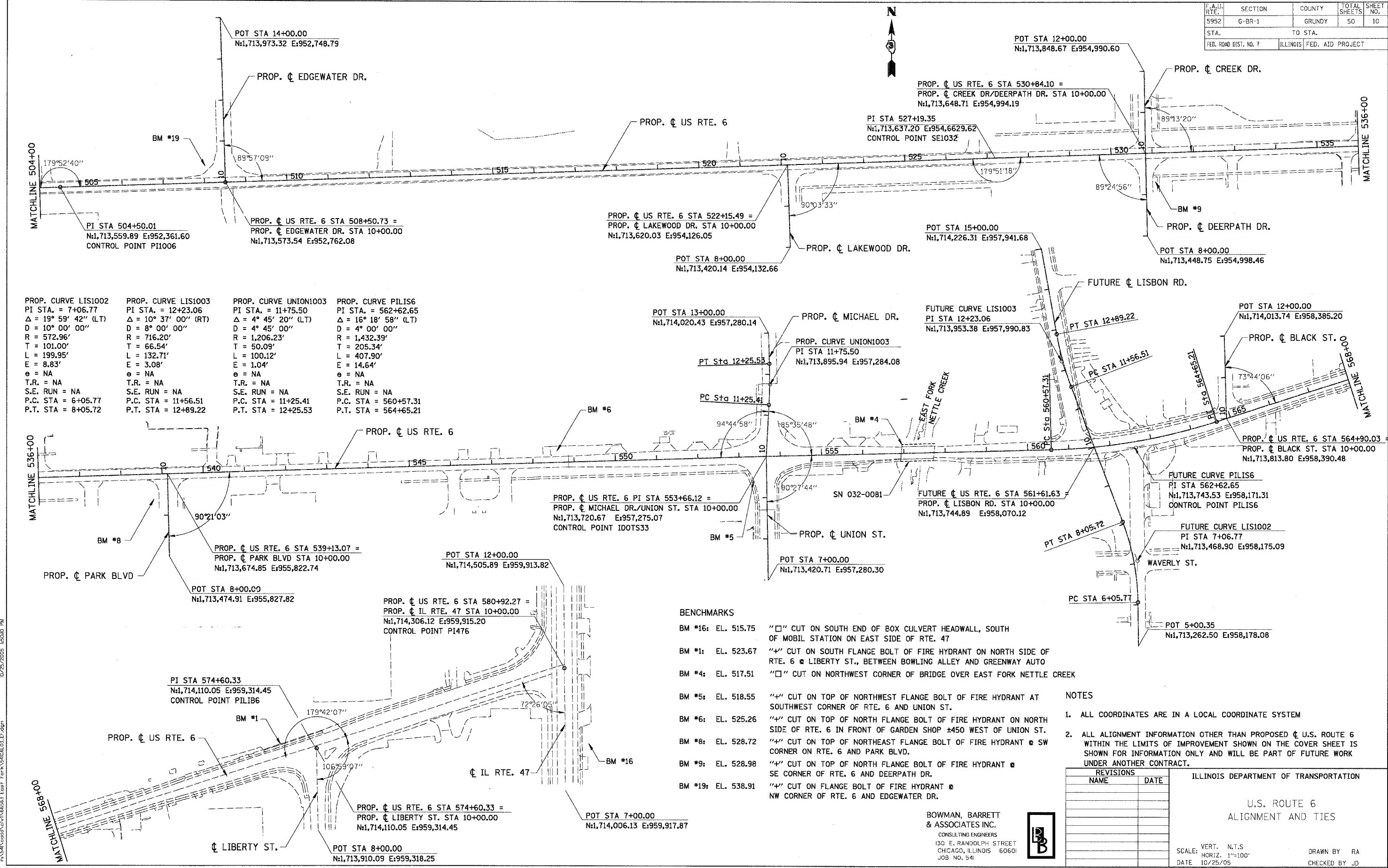
ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
 EARTHWORK SCHEDULE

SCALE: VERT. N.T.S.
 HORIZ. N.T.S.
 DATE 10/25/05

DRAWN BY KAR
 CHECKED BY DDM

F.A.D. RT. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	10
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			



PROP. CURVE LIS1002 PI STA. = 7+06.77 Δ = 19° 59' 42" (LT) D = 10° 00' 00" R = 572.96' T = 101.00' L = 199.95' E = 8.83' e = NA T.R. = NA S.E. RUN = NA P.C. STA = 6+05.77 P.T. STA = 8+05.72	PROP. CURVE LIS1003 PI STA. = 12+23.06 Δ = 10° 37' 00" (RT) D = 8° 00' 00" R = 716.20' T = 66.54' L = 132.71' E = 3.08' e = NA T.R. = NA S.E. RUN = NA P.C. STA = 11+56.51 P.T. STA = 12+89.22	PROP. CURVE UNION1003 PI STA. = 11+75.50 Δ = 4° 45' 20" (LT) D = 4° 45' 00" R = 1,206.23' T = 50.09' L = 100.12' E = 1.04' e = NA T.R. = NA S.E. RUN = NA P.C. STA = 11+25.41 P.T. STA = 12+25.53	PROP. CURVE PILIS6 PI STA. = 562+62.65 Δ = 16° 18' 58" (LT) D = 4° 00' 00" R = 1,432.39' T = 205.34' L = 407.90' E = 14.64' e = NA T.R. = NA S.E. RUN = NA P.C. STA = 560+57.31 P.T. STA = 564+65.21
---	--	---	--

- BENCHMARKS**
- BM #16: EL. 515.75 "□" CUT ON SOUTH END OF BOX CULVERT HEADWALL, SOUTH OF MOBIL STATION ON EAST SIDE OF RTE. 47
 - BM #1: EL. 523.67 "4" CUT ON SOUTH FLANGE BOLT OF FIRE HYDRANT ON NORTH SIDE OF RTE. 6 @ LIBERTY ST., BETWEEN BOWLING ALLEY AND GREENWAY AUTO
 - BM #4: EL. 517.51 "□" CUT ON NORTHWEST CORNER OF BRIDGE OVER EAST FORK NETTLE CREEK
 - BM #5: EL. 518.55 "4" CUT ON TOP OF NORTHWEST FLANGE BOLT OF FIRE HYDRANT AT SOUTHWEST CORNER OF RTE. 6 AND UNION ST.
 - BM #6: EL. 525.26 "4" CUT ON TOP OF NORTH FLANGE BOLT OF FIRE HYDRANT ON NORTH SIDE OF RTE. 6 IN FRONT OF GARDEN SHOP ±450 WEST OF UNION ST.
 - BM #8: EL. 528.72 "4" CUT ON TOP OF NORTHEAST FLANGE BOLT OF FIRE HYDRANT @ SW CORNER ON RTE. 6 AND PARK BLVD.
 - BM #9: EL. 528.98 "4" CUT ON TOP OF NORTH FLANGE BOLT OF FIRE HYDRANT @ SE CORNER OF RTE. 6 AND DEERPETH DR.
 - BM #19: EL. 538.91 "4" CUT ON FLANGE BOLT OF FIRE HYDRANT @ NW CORNER OF RTE. 6 AND EDGEWATER DR.

- NOTES**
- ALL COORDINATES ARE IN A LOCAL COORDINATE SYSTEM
 - ALL ALIGNMENT INFORMATION OTHER THAN PROPOSED U.S. ROUTE 6 WITHIN THE LIMITS OF IMPROVEMENT SHOWN ON THE COVER SHEET IS SHOWN FOR INFORMATION ONLY AND WILL BE PART OF FUTURE WORK UNDER ANOTHER CONTRACT.

REVISIONS	
NAME	DATE

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



ILLINOIS DEPARTMENT OF TRANSPORTATION

**U.S. ROUTE 6
ALIGNMENT AND TIES**

SCALE: VERT. N.T.S.
HORIZ. 1"=100'
DATE 10/25/05

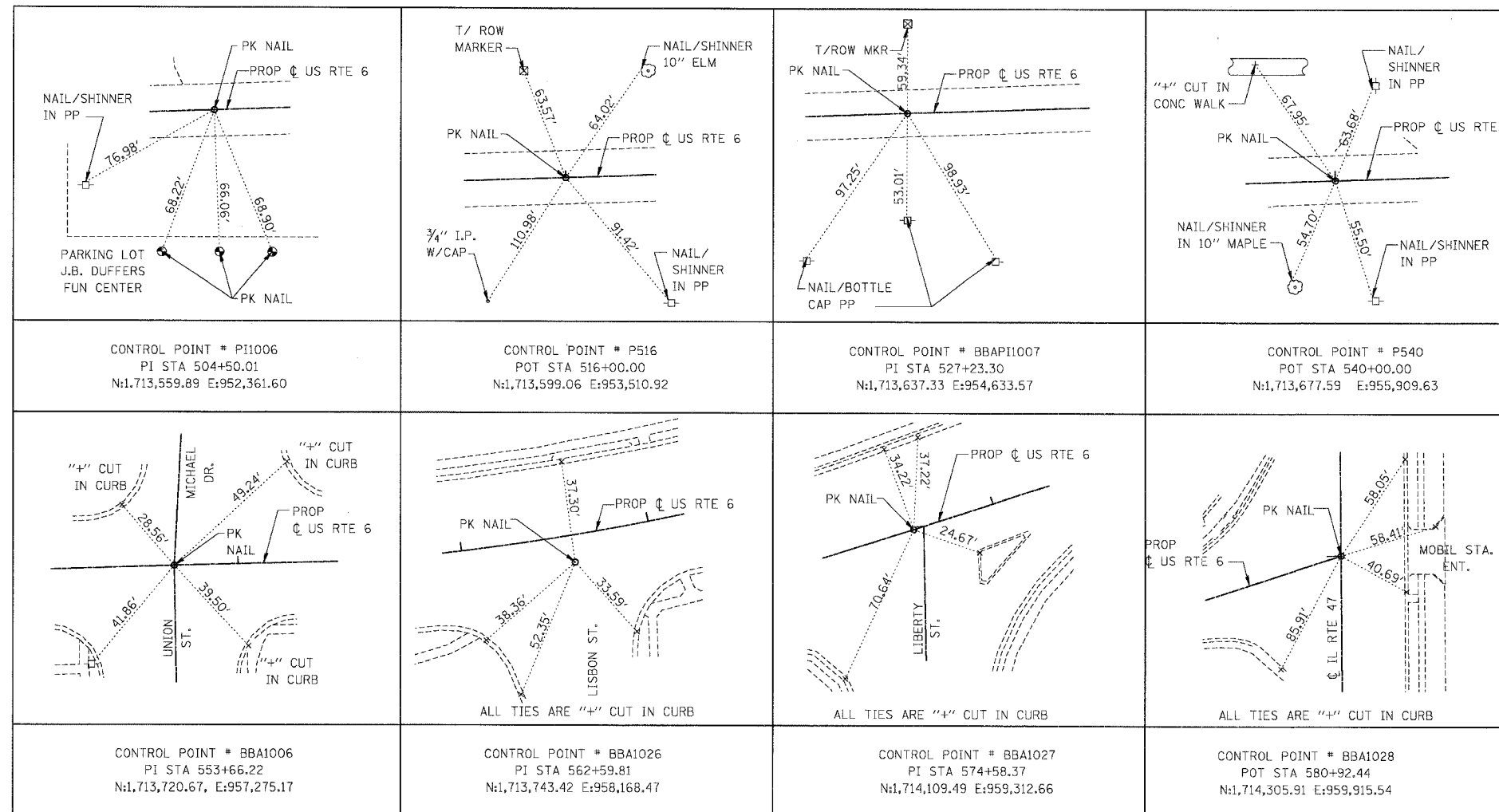
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	11
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



NORTH DIRECTION TYPICAL FOR ALL REFERENCE TIES, UNLESS NOTED OTHERWISE



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BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



REVISIONS	
NAME	DATE

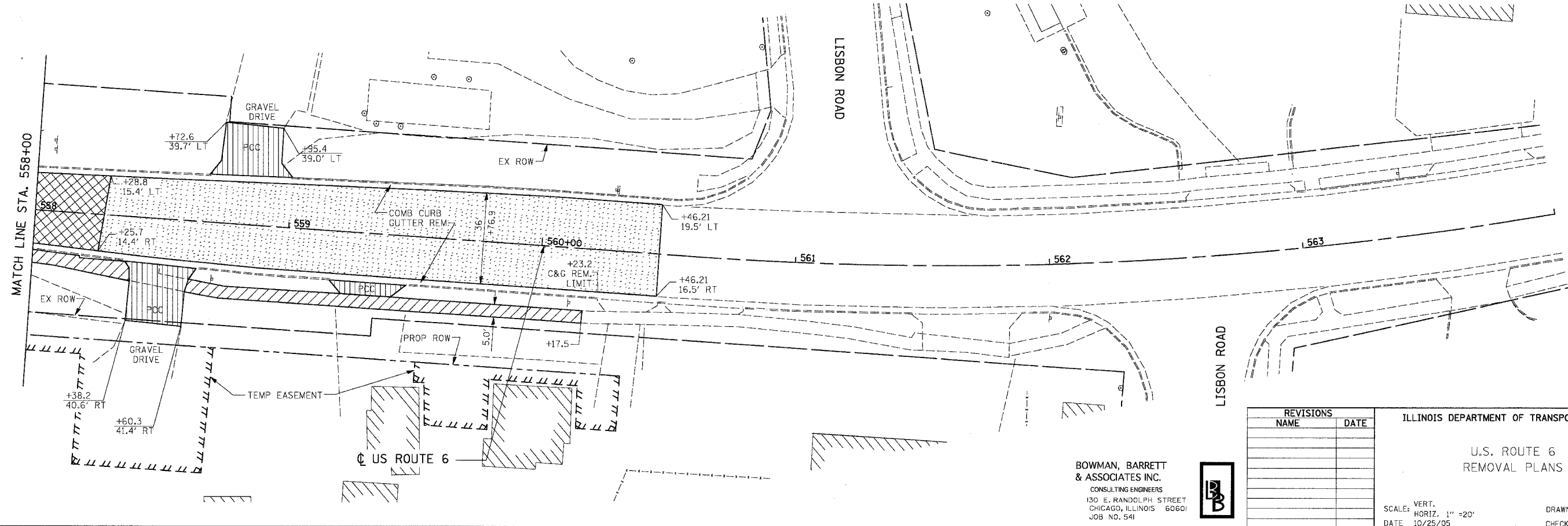
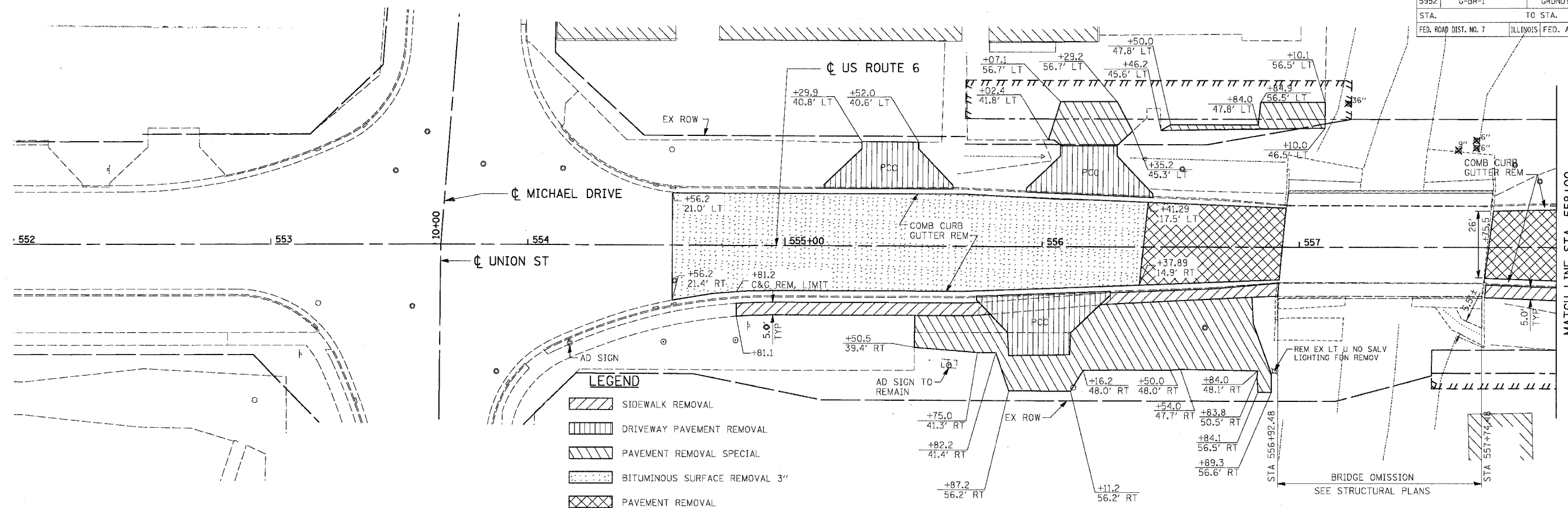
ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
ALIGNMENT AND TIES

SCALE: VERT. N.T.S.
HORIZ. N.T.S.
DATE 10/25/05

DRAWN BY RA
CHECKED BY JD

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	12
STA. TO STA.		ILLINOIS FED. AID PROJECT		
FED. ROAD DIST. NO. 7				



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
REMOVAL PLANS

SCALE: VERT. 1" = 20'
HORIZ. 1" = 20'

DATE 10/25/05

DRAWN BY RCR
CHECKED BY JMD

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541

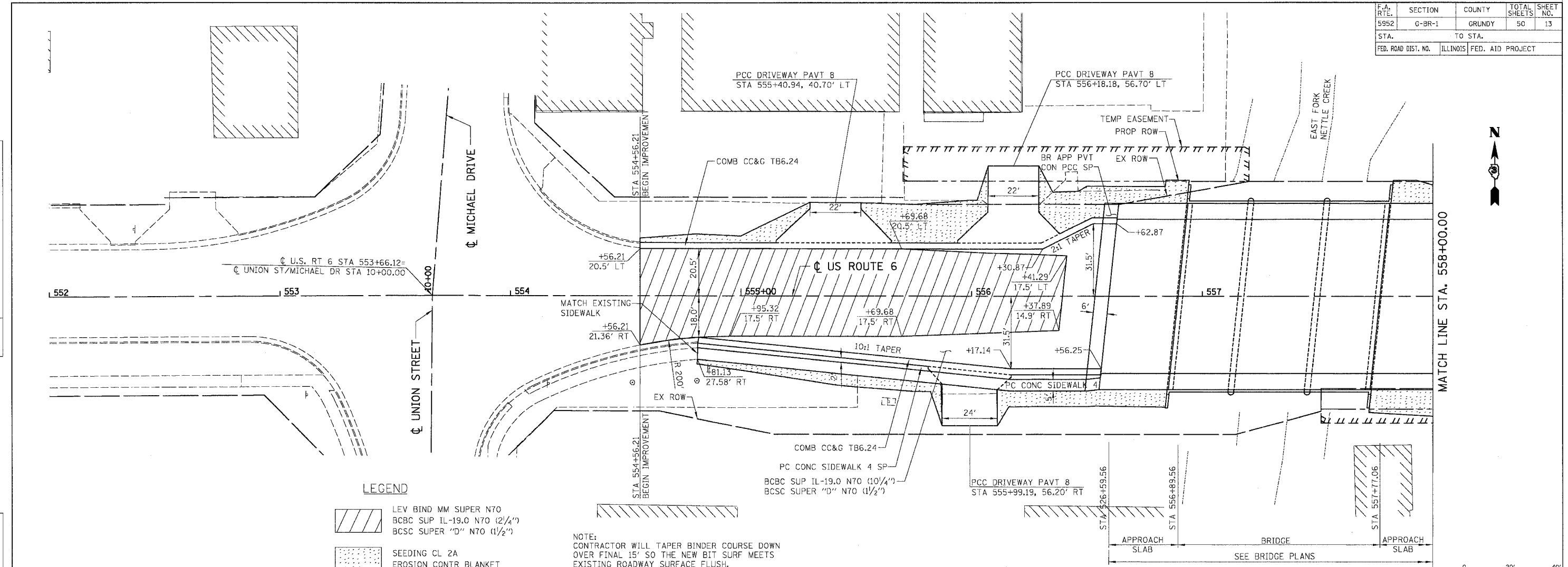


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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

PLAN	REVISIONS	DATE
NO.	BY	
NO.	DATE	
NO.	DATE	
NO.	DATE	

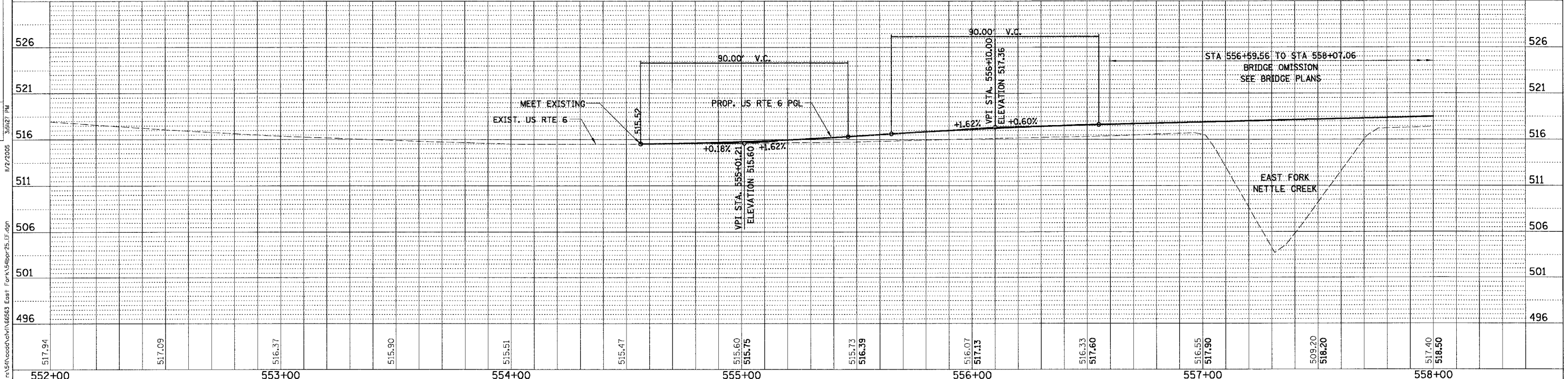
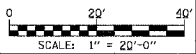
PROFILE	REVISIONS	DATE
NO.	BY	
NO.	DATE	
NO.	DATE	
NO.	DATE	



LEGEND

	LEV BIND MM SUPER N70 BCBC SUP IL-19.0 N70 (2 1/4") BCSC SUPER "D" N70 (1 1/2")
	SEEDING CL 2A EROSION CONTR BLANKET

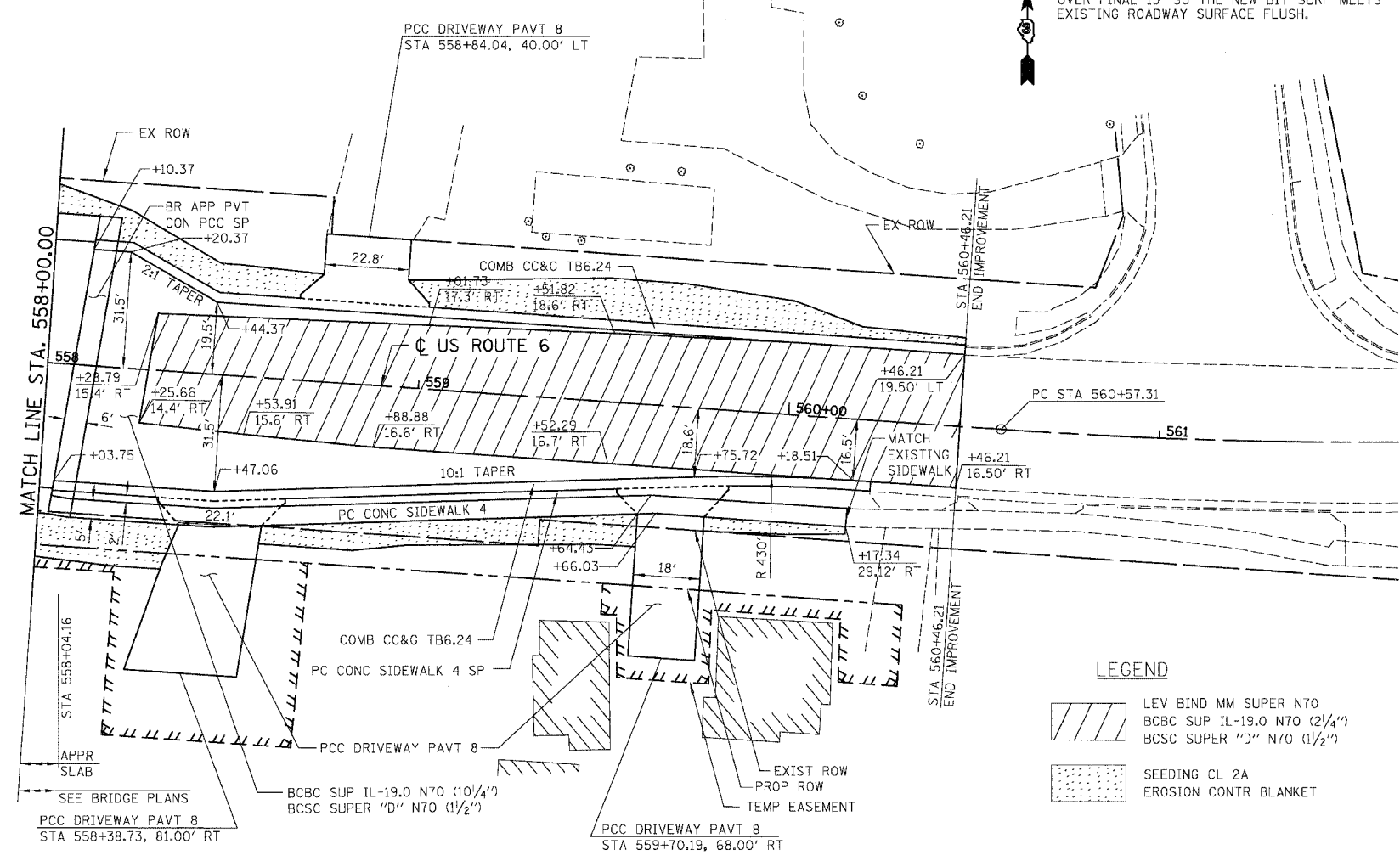
NOTE:
CONTRACTOR WILL TAPER BINDER COURSE DOWN
OVER FINAL 15' SO THE NEW BIT SURF MEETS
EXISTING ROADWAY SURFACE FLUSH.



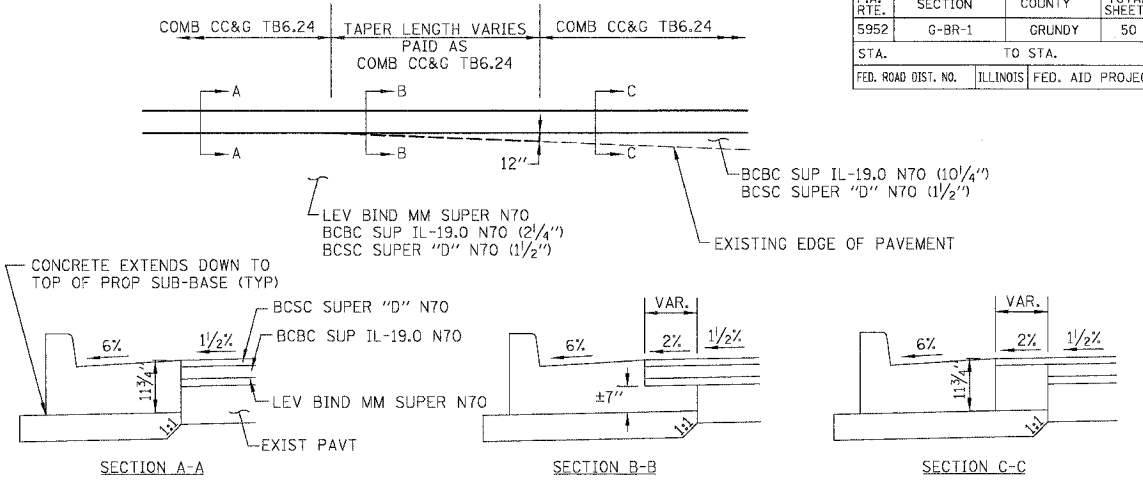
US ROUTE 6 - PROPOSED ROADWAY PLAN & PROFILE

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	14
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

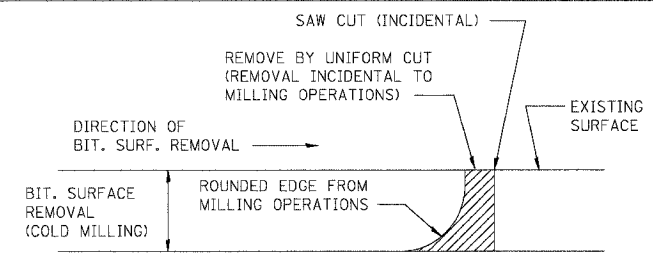
NOTE:
CONTRACTOR WILL TAPER BINDER COURSE DOWN OVER FINAL 15' SO THE NEW BIT SURF MEETS EXISTING ROADWAY SURFACE FLUSH.



- LEGEND**
- LEV BIND MM SUPER N70
 - BCBC SUP IL-19.0 N70 (2 1/4'')
 - BCSC SUPER "D" N70 (1 1/2'')
 - SEEDING CL 2A
 - EROSION CONTR BLANKET



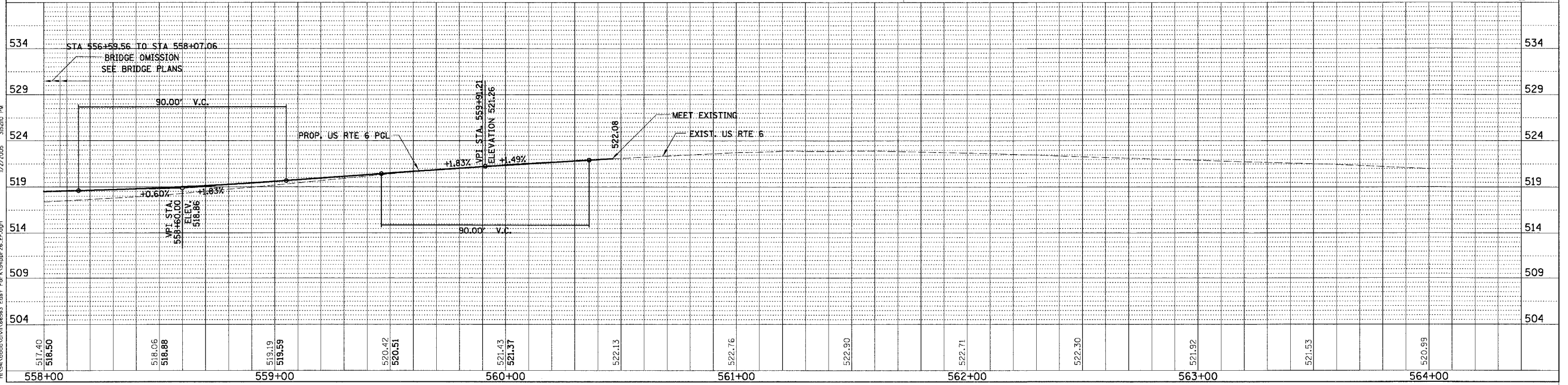
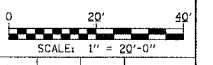
CONCRETE CURB AND GUTTER DETAILS



NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

BITUMINOUS DETAIL AT BUTT JOINTS

406-8



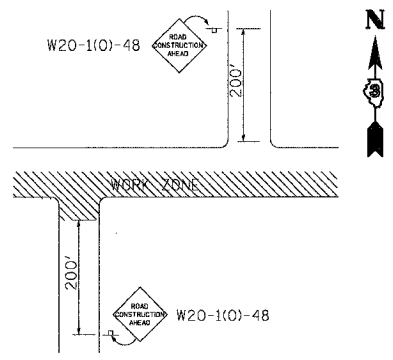
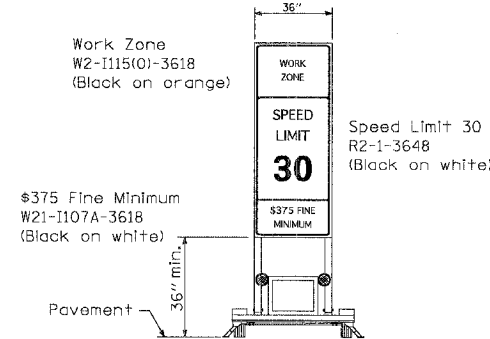
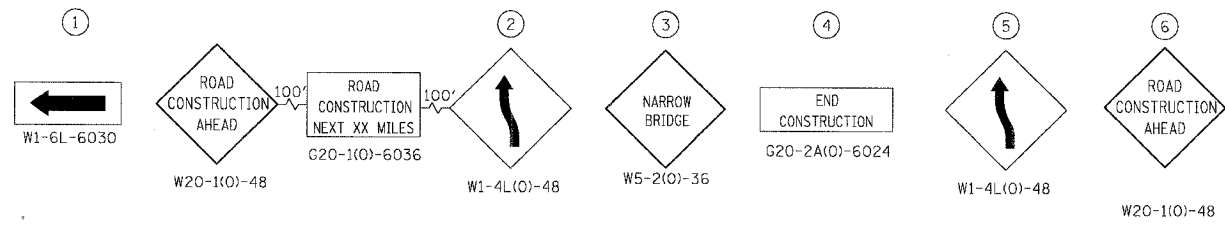
US ROUTE 6 - PROPOSED ROADWAY PLAN & PROFILE

PLAN	REVISIONS	DATE
NO. 1	ISSUED FOR CONSTRUCTION	
NO. 2	REVISED TO SHOW CHANGES	
NO. 3	REVISED TO SHOW CHANGES	
NO. 4	REVISED TO SHOW CHANGES	
NO. 5	REVISED TO SHOW CHANGES	
NO. 6	REVISED TO SHOW CHANGES	
NO. 7	REVISED TO SHOW CHANGES	
NO. 8	REVISED TO SHOW CHANGES	
NO. 9	REVISED TO SHOW CHANGES	
NO. 10	REVISED TO SHOW CHANGES	

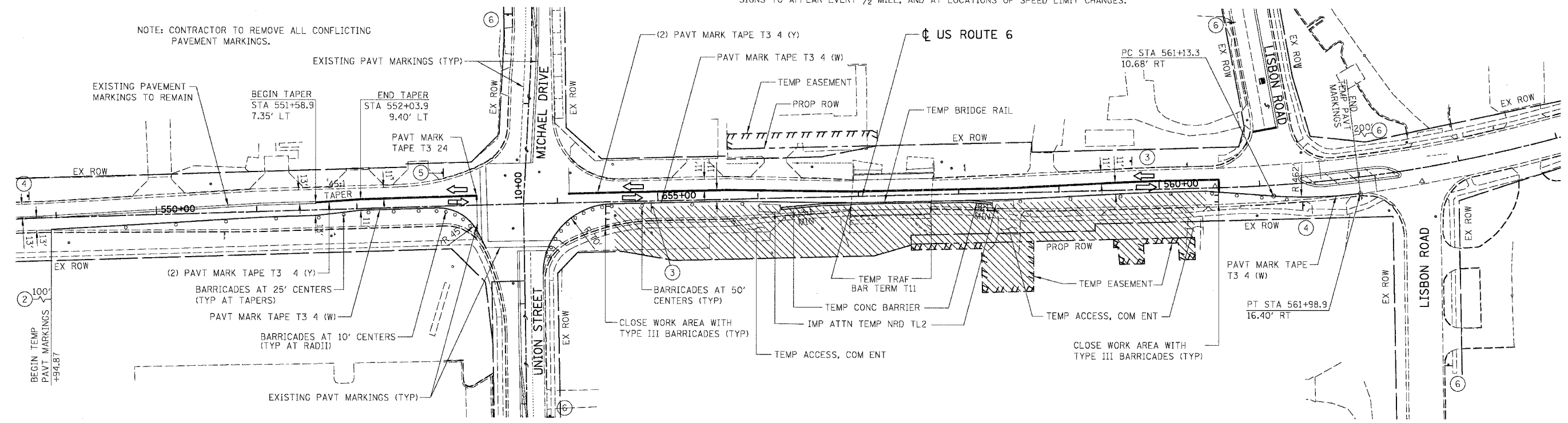
PROFILE	REVISIONS	DATE
NO. 1	ISSUED FOR CONSTRUCTION	
NO. 2	REVISED TO SHOW CHANGES	
NO. 3	REVISED TO SHOW CHANGES	
NO. 4	REVISED TO SHOW CHANGES	
NO. 5	REVISED TO SHOW CHANGES	
NO. 6	REVISED TO SHOW CHANGES	
NO. 7	REVISED TO SHOW CHANGES	
NO. 8	REVISED TO SHOW CHANGES	
NO. 9	REVISED TO SHOW CHANGES	
NO. 10	REVISED TO SHOW CHANGES	

1/2/2005
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F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	15
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

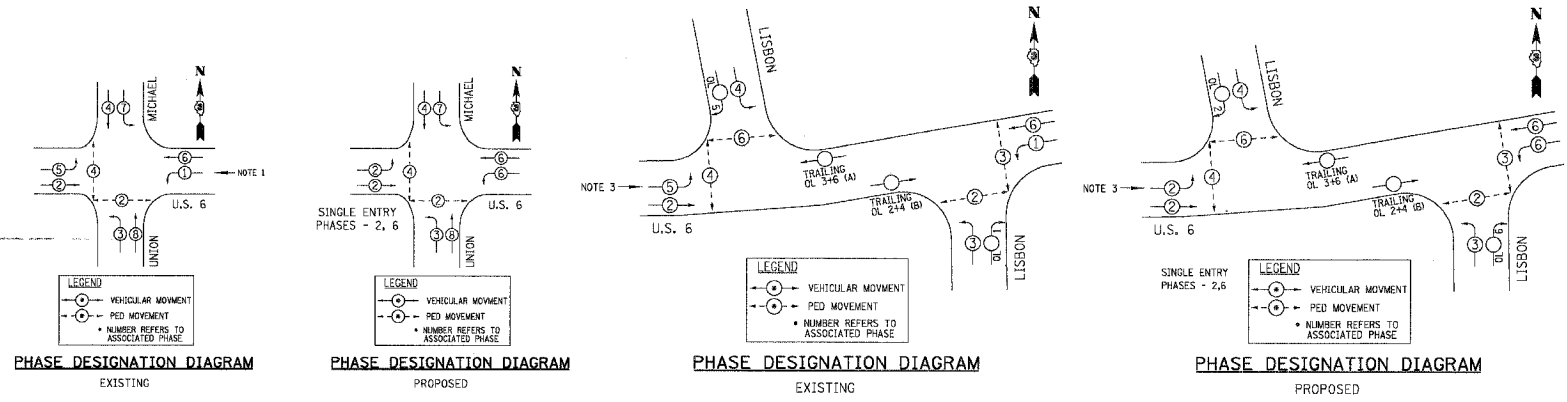


NOTE: CONTRACTOR TO REMOVE ALL CONFLICTING PAVEMENT MARKINGS.



TRAFFIC SIGNAL WORK

- CHANGE SIGNAL SEQUENCE OF OPERATION FROM EXISTING TO PROPOSED; COMBINE PHASE 5 WITH PHASE 2 AT UNION/MICHAEL. DISABLE WESTBOUND LEFT TURN LANE DETECTOR.
- INSTALL THE TWO PROPOSED FAR LOOP DETECTORS FOR EASTBOUND TRAFFIC AT LISBON ROAD, INCLUDING HANDHOLE, CONDUIT AND CABLE; MAKE THESE LOOPS OPERATIONAL IN THE CONTROLLER (SEE SHEET 17).
- CHANGE SIGNAL SEQUENCE OF OPERATION FROM EXISTING TO PROPOSED; COMBINE PHASE 1 WITH PHASE 6 AT LISBON ROAD. MOVE THE EASTBOUND LEFT TURN LANE DETECTOR FROM THE EASTBOUND LEFT TURN PHASE (5) TO THE EASTBOUND THROUGH PHASE (2).



- LEGEND:**
- WORK ZONE
 - DRUM OR TYPE II BARRICADE
 - TRAFFIC SIGN
 - TRAFFIC FLOW DIRECTION
 - TYPE III BARRICADE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**U.S. ROUTE 6
MAINTENANCE OF TRAFFIC
STAGE 1A**

SCALE: VERT. NTS
HORIZ. 1" = 50'

DATE 10/25/05

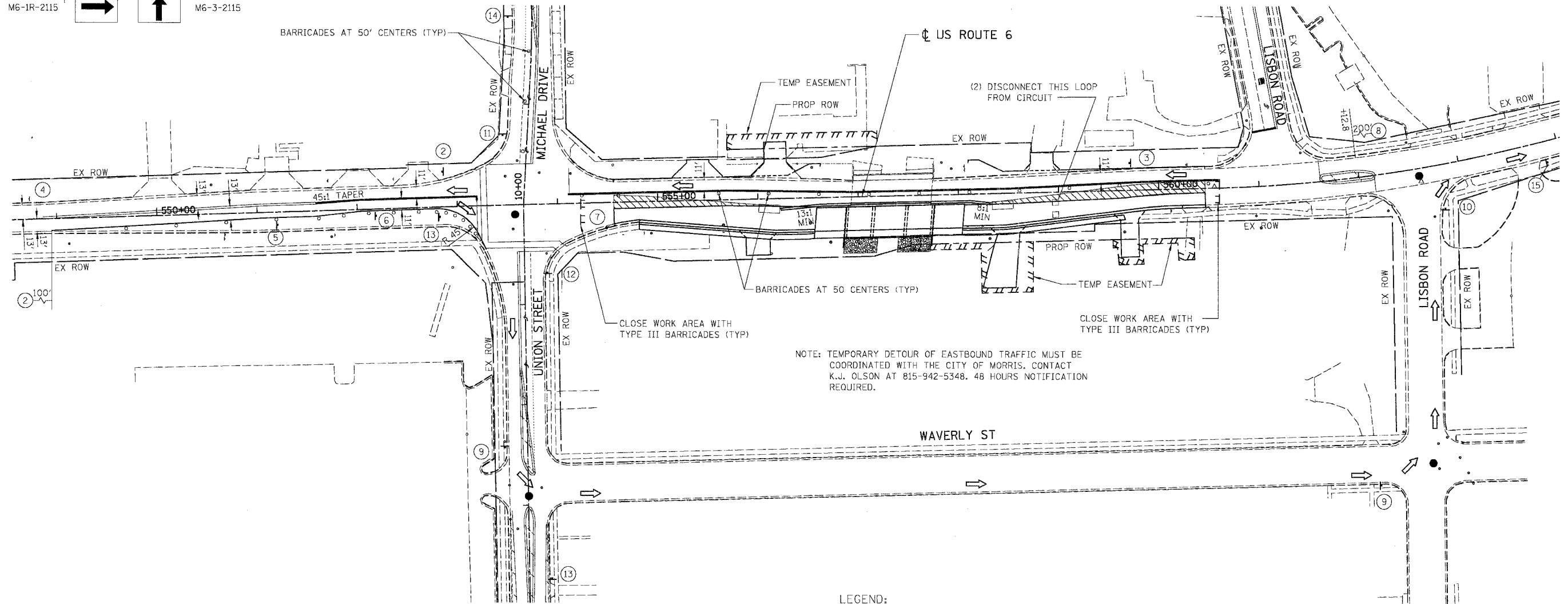
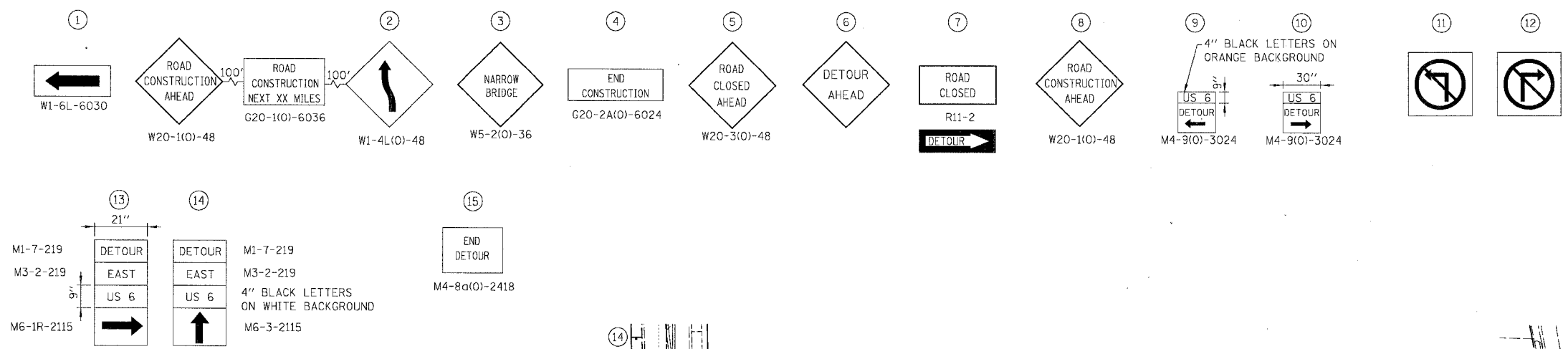
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BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	16
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			



TRAFFIC SIGNAL WORK

- WITH ONE WORKING DAY OR LESS, PUT BOTH SIGNALS ON FLASH, AND USE FLAGMEN FOR TRAFFIC CONTROL.
- DISABLE THE EASTBOUND INSIDE LOOP DETECTOR FOR EASTBOUND TRAFFIC AT LISBON ROAD.

- LEGEND:**
- WORK ZONE
 - DRUM OR TYPE II BARRICADE
 - TRAFFIC SIGN
 - TRAFFIC FLOW DIRECTION
 - FLAGGER
 - TYPE III BARRICADE

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**U.S. ROUTE 6
MAINTENANCE OF TRAFFIC
STAGE 1B**

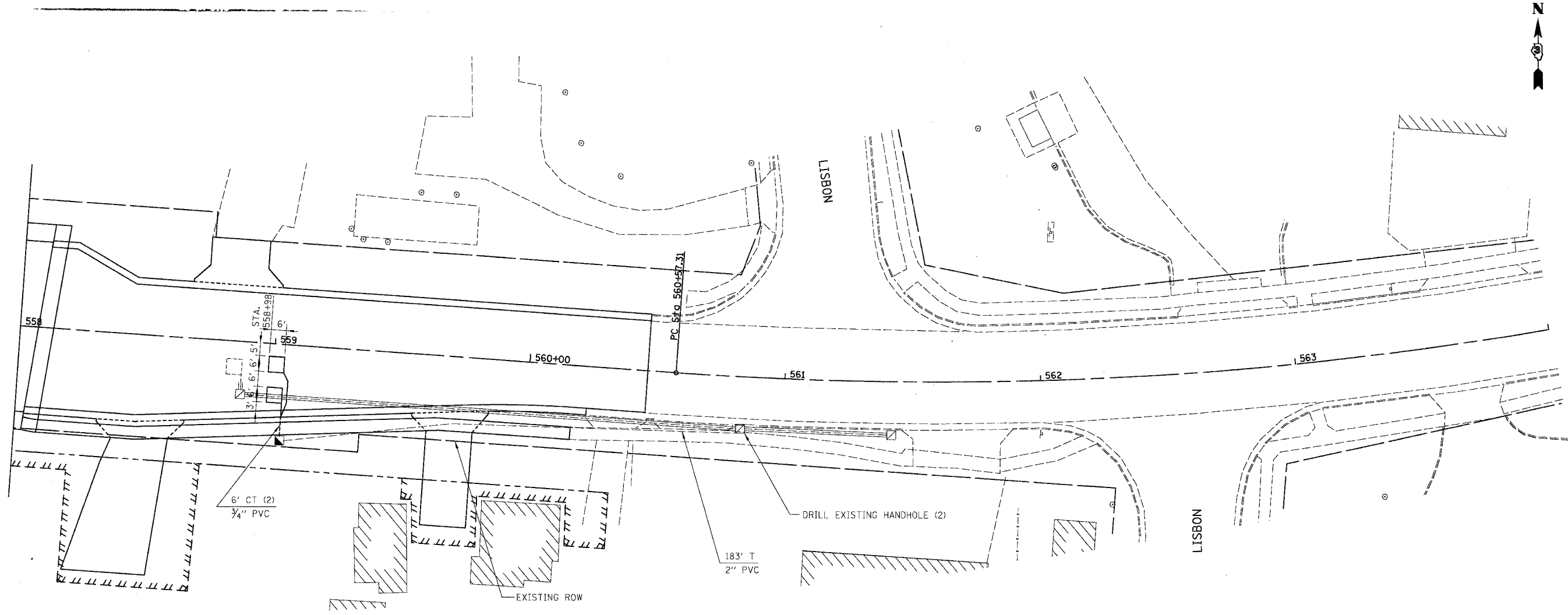
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	C-BR-1	GRUNDY	50	17
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



SCHEDULE OF SIGNAL QUANTITIES

- 12 FOOT CONDUIT IN TRENCH, 3/4" DIA., PVC
- 163 FOOT CONDUIT IN TRENCH, 2" DIA., PVC
- 1 EACH CONCRETE HANDHOLE
- 189 FOOT TRENCH AND BACKFILL FOR ELECTRICAL WORK
- 195 FOOT ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
- 2 EACH DRILL EXISTING HANDHOLE
- 72 FOOT DETECTOR LOOP, TYPE 1
- 1 EACH MODIFY EXISTING CONTROLLER

NOTE: SPLICE NEW NO. 14 1 PAIR LEAD-IN WIRE ONTO EXISTING LEAD-IN WIRE AT HANDHOLE TO BE DRILLED.

MODIFY EXISTING CONTROLLER CONSISTS OF SEQUENCE OF OPERATION CHANGES AND LOOP DETECTOR INPUT CHANGES AS NOTED ON THE PLANS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
SIGNAL INSTALLATION
STAGE 1B

SCALE: VERT. NTS
HORIZ. 1" = 50'
DATE 10/25/05

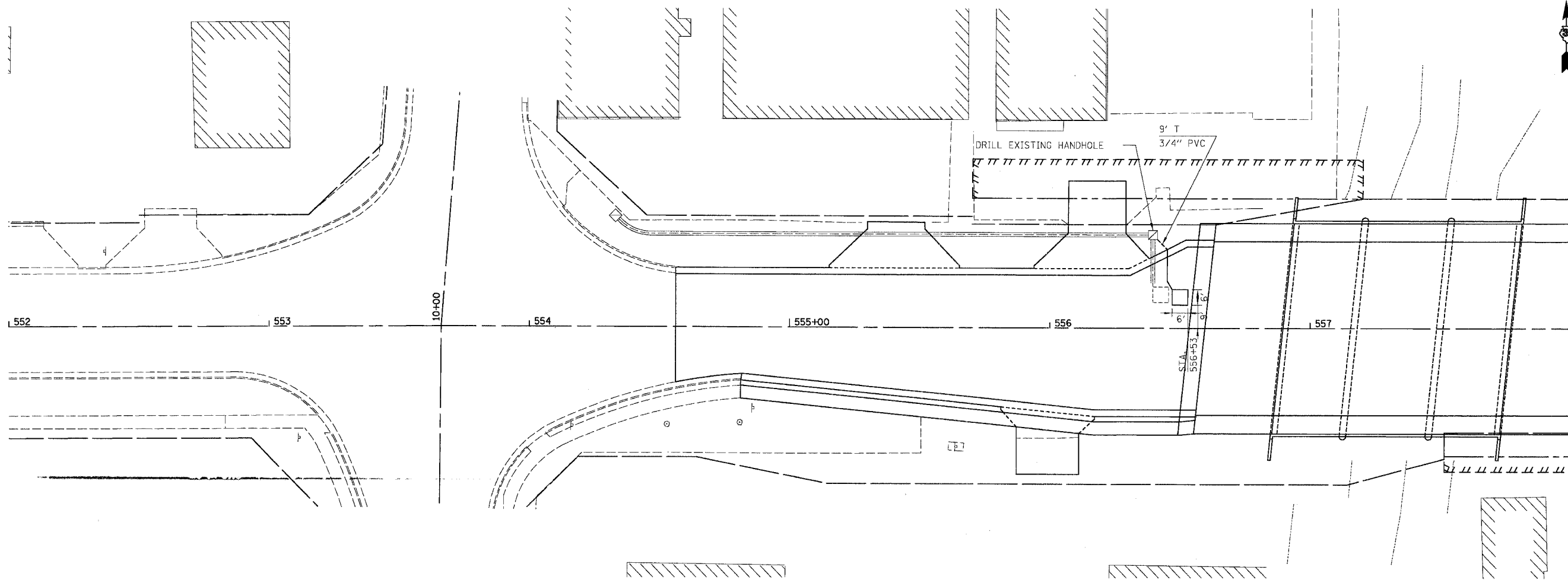
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CHECKED BY JM

EJM **EJM ENGINEERING, INC**
411 South Wells Street Suite 800
Chicago, Illinois 60607

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	19
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	



SCHEDULE OF SIGNAL QUANTITIES

- 9 FOOT CONDUIT IN TRENCH, 3/4" DIA., PVC
- 9 FOOT TRENCH AND BACKFILL FOR ELECTRICAL WORK
- 1 EACH DRILL EXISTING HANDHOLE
- 44 FOOT DETECTOR LOOP, TYPE 1
- 1 EACH MODIFY EXISTING CONTROLLER

NOTE: DISCONNECT THE EXISTING LOOP DETECTOR FROM THE EXISTING LEAD-IN WIRE AT HANDHOLE TO BE DRILLED AND CONNECT TO THE NEW LOOP DETECTORS.

MODIFY EXISTING CONTROLLER CONSISTS OF SEQUENCE OF OPERATION CHANGES AND LOOP DETECTOR INPUT CHANGES AS NOTED ON THE PLANS.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
SIGNAL INSTALLATION
STAGE 2A

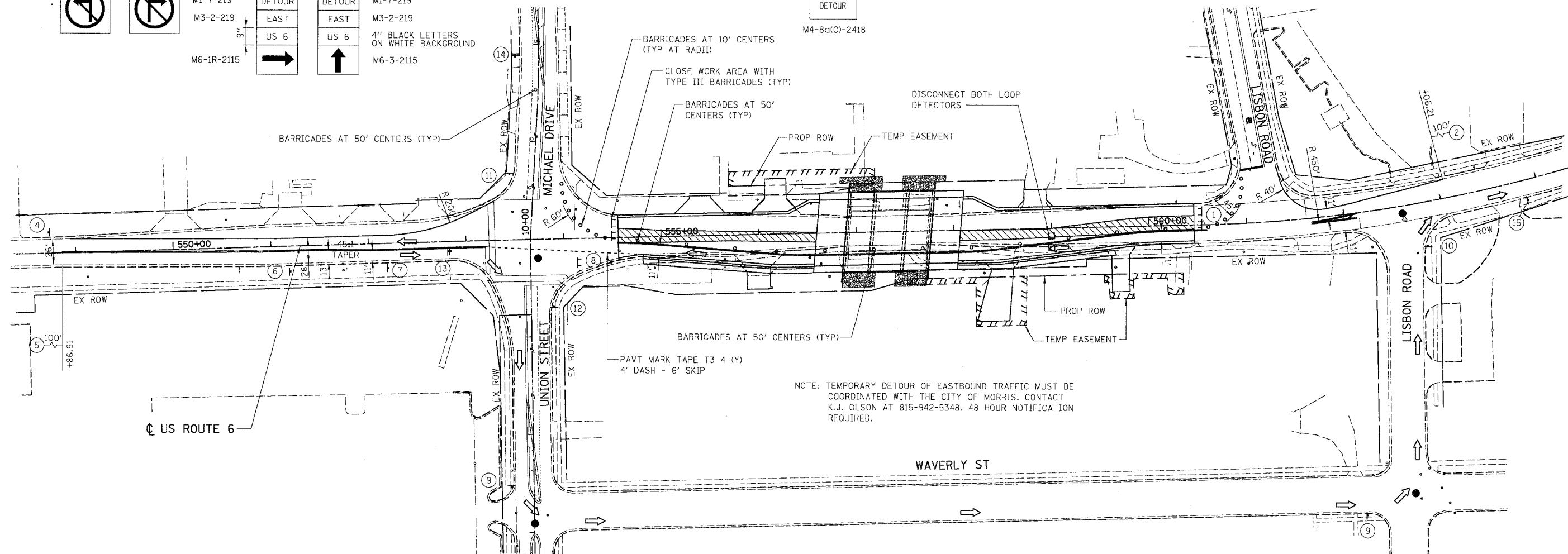
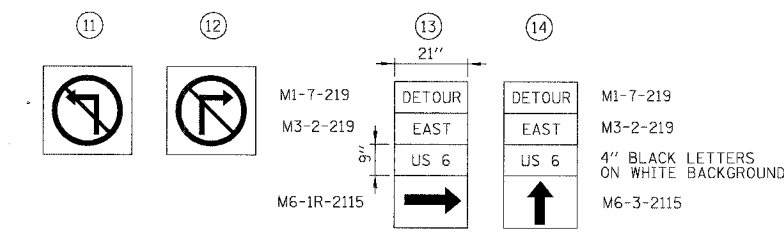
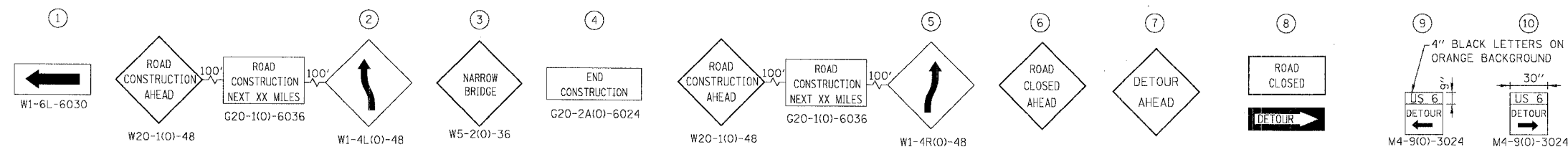
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HORIZ. 1" = 50'
DATE 10/25/05

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CHECKED BY JM

EJM **EJM ENGINEERING, INC**
41 South Wells Street Suite 800
Chicago, Illinois 60607

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9992	G-BR-1	GRUNDY	50	20
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS FED. AID PROJECT			



TRAFFIC SIGNAL WORK

1. WITH ONE WORKING DAY OR LESS, PUT BOTH SIGNALS ON FLASH AND USE FLAGMEN FOR TRAFFIC CONTROL.
2. DISABLE BOTH EASTBOUND FAR LOOP DETECTORS FOR EASTBOUND TRAFFIC AT LISBON ROAD.

- LEGEND:**
- WORK ZONE
 - DRUM OR TYPE II BARRICADE
 - TRAFFIC SIGN
 - TRAFFIC FLOW DIRECTION
 - FLAGGER
 - TYPE III BARRICADE

BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 130 E. RANDOLPH STREET
 CHICAGO, ILLINOIS 60601
 JOB NO. 541



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**U.S. ROUTE 6
 MAINTENANCE OF TRAFFIC
 STAGE 2B**

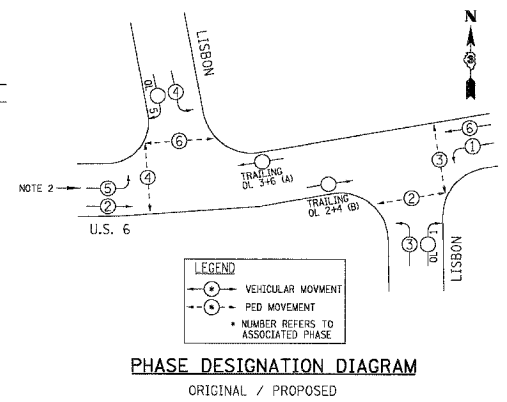
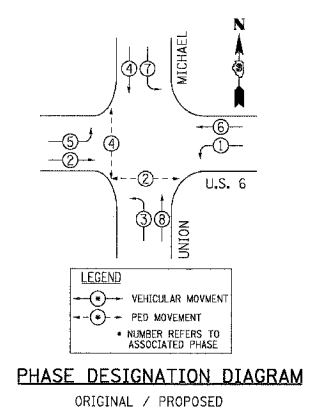
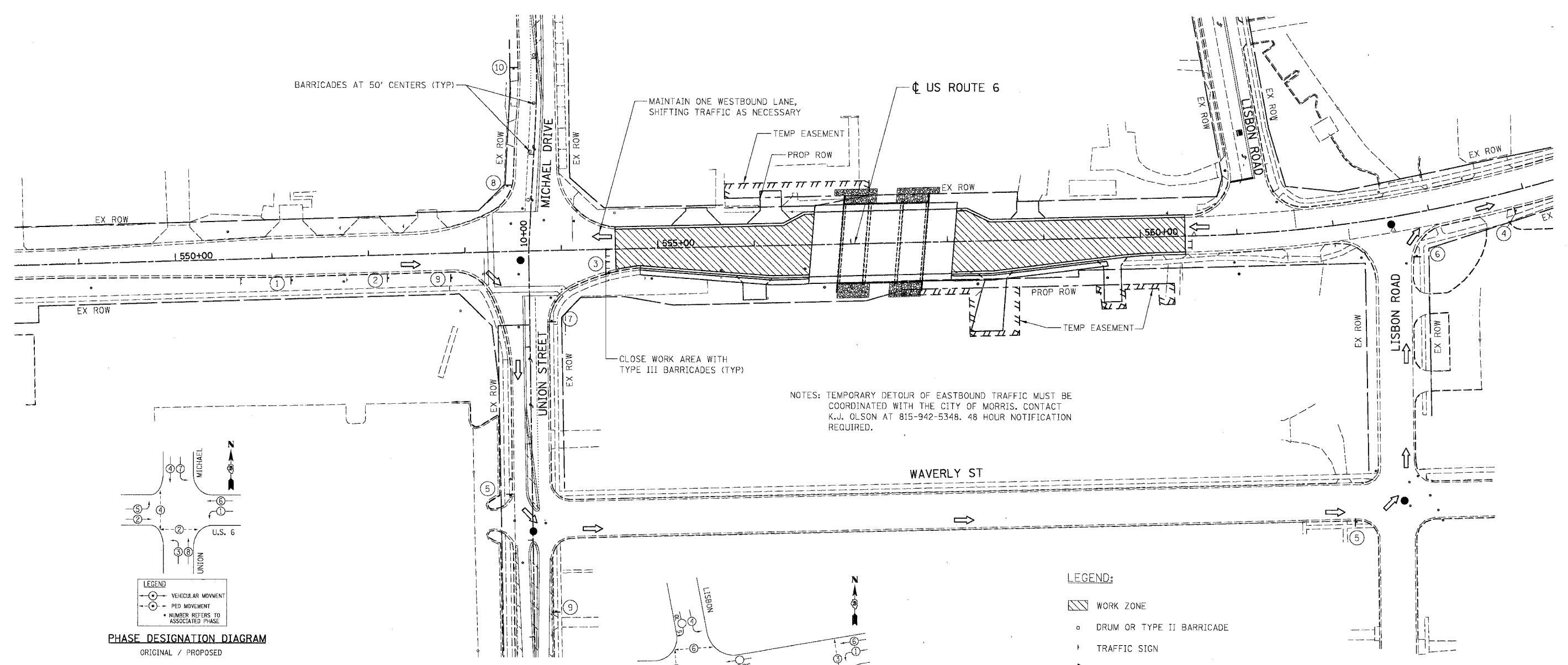
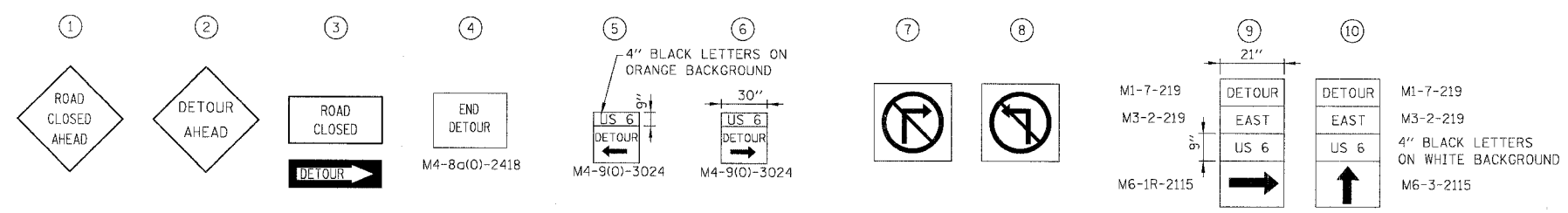
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DATE 10/25/05

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F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	21
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



- LEGEND:
- WORK ZONE
 - DRUM OR TYPE II BARRICADE
 - TRAFFIC SIGN
 - TRAFFIC FLOW DIRECTION
 - FLAGGER
 - TYPE III BARRICADE

- TRAFFIC SIGNAL WORK
- WITH ONE WORKING DAY OR LESS, PUT BOTH SIGNALS ON FLASH AND USE FLAGMEN FOR TRAFFIC CONTROL.
 - AT THE CONCLUSION OF PHASE 3, RESTORE ALL PHASES AND DETECTORS TO THEIR ORIGINAL OPERATION AT BOTH LISBON ROAD AND UNION/MICHAEL.

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
MAINTENANCE OF TRAFFIC
STAGE 3

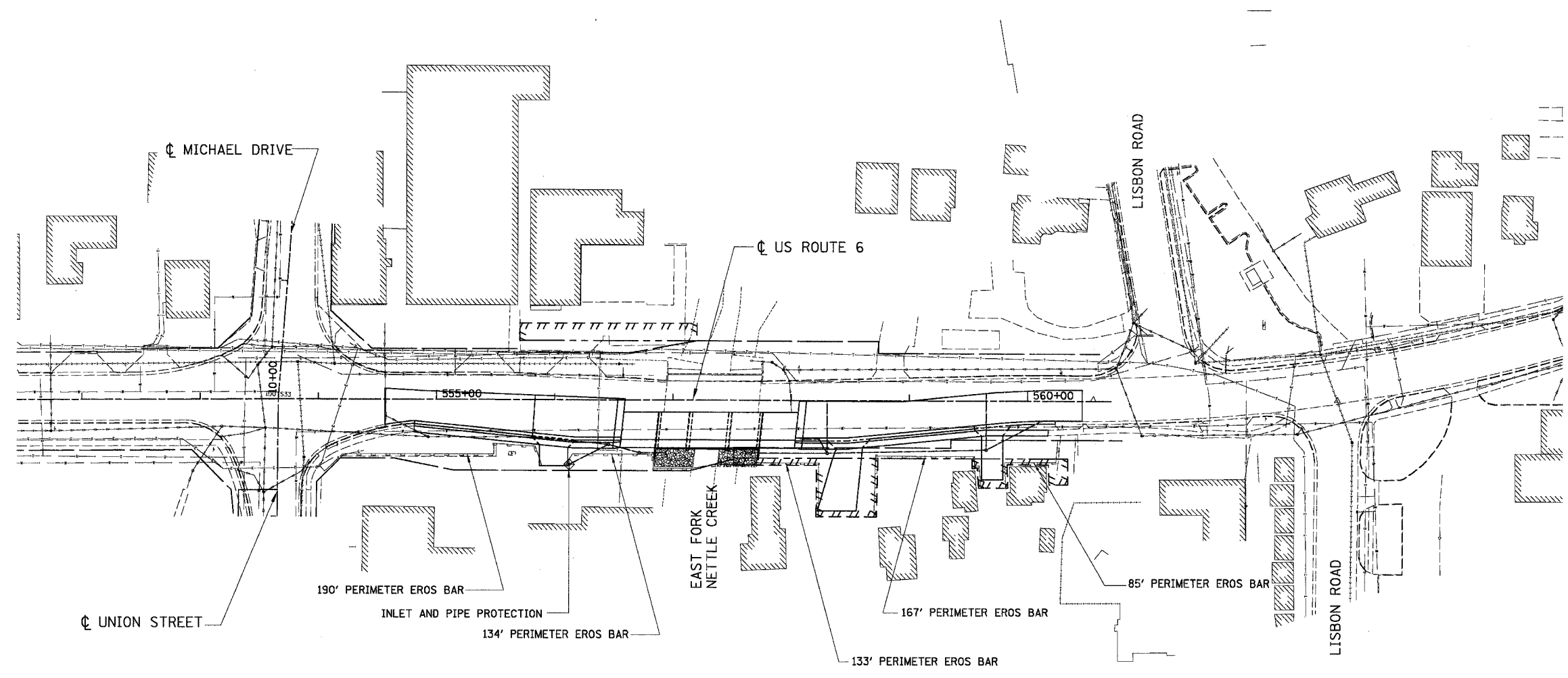
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HORIZ. 1" = 50'

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	22
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



- NOTES:
- 'TEMPORARY EROSION CONTROL SEEDING' WILL BE PLACED ON ALL ERODIBLE EARTH AREAS AS DIRECTED BY THE ENGINEER AS PER THE SPECIFICATIONS. THE TEMPORARY SEEDING WILL THEN BE COVERED BY AND PAID AS 'MULCH, METHOD 2'.
 - THE CONTRACTOR WILL NOT COMMENCE WITH INSTREAM WORK UNTIL EROSION CONTROL MEASURES ARE IN PLACE AND ACCEPTED BY THE ENGINEER. EXCAVATION, STONE RIPRAP - CLASS 4A, FILTER FABRIC, AND REMOVAL OF EXISTING STRUCTURES MUST BE DONE IN THE DRY. THE USE OF SAND BAGS AND DEWATERING MECHANISMS MAY BE REQUIRED. THE CONTRACTOR MUST SUBMIT A WORK PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF THE WORK. COST OF THESE PROVISIONS WILL BE INCLUDED INTO THE VARIOUS ITEMS OF WORK.

LEGEND

	INLET AND PIPE PROTECTION
	PERIMETER EROSION BARRIER

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 CHICAGO, ILLINOIS 60601
 JOB NO. 541



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

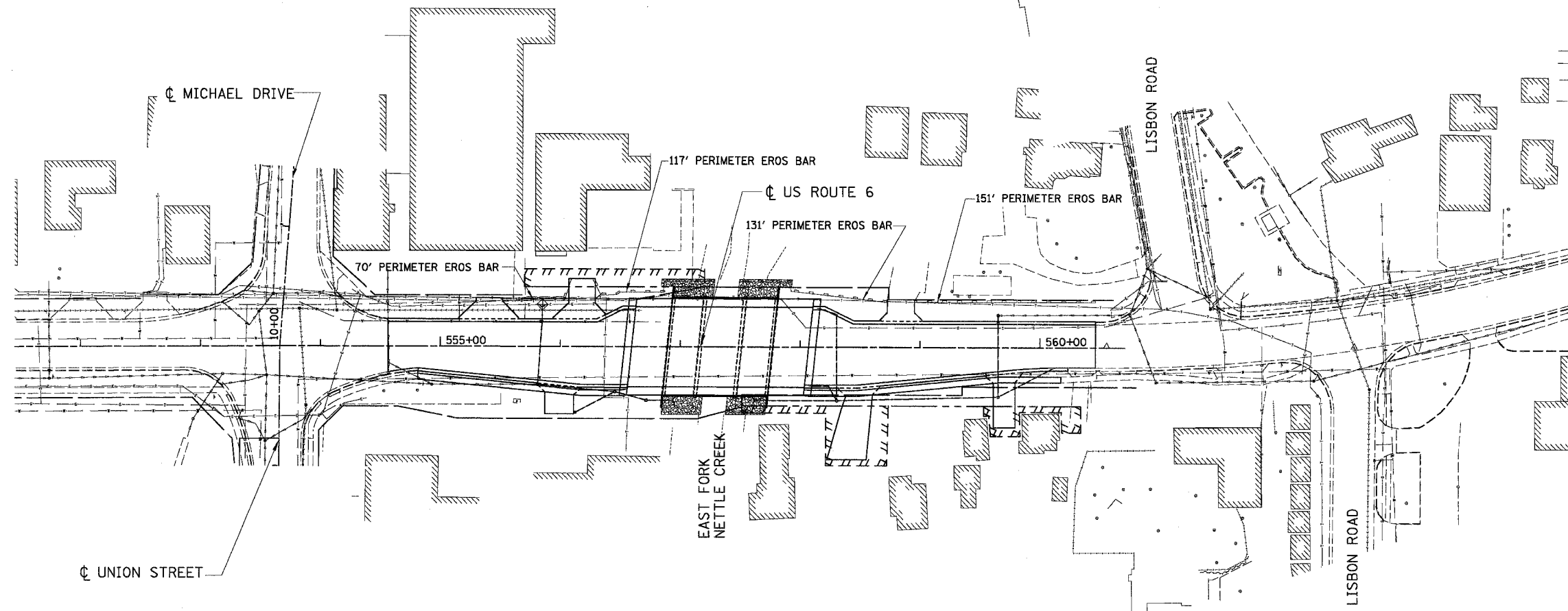
U.S. ROUTE 6
 EROSION CONTROL PLAN
 STAGE 1

SCALE: VERT. 1"=50'
 HORIZ. 1"=50'
 DATE 10/25/05

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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	23
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



NOTES:

1. 'TEMPORARY EROSION CONTROL SEEDING' WILL BE PLACED ON ALL ERODIBLE EARTH AREAS AS DIRECTED BY THE ENGINEER AS PER THE SPECIFICATIONS. THE TEMPORARY SEEDING WILL THEN BE COVERED BY AND PAID AS 'MULCH, METHOD 2'.
2. THE CONTRACTOR WILL NOT COMMENCE WITH INSTREAM WORK UNTIL EROSION CONTROL MEASURES ARE IN PLACE AND ACCEPTED BY THE ENGINEER. EXCAVATION, STONE RIPRAP - CLASS 4A, FILTER FABRIC, AND REMOVAL OF EXISTING STRUCTURES MUST BE DONE IN THE DRY. THE USE OF SAND BAGS AND DEWATERING MECHANISMS MAY BE REQUIRED. THE CONTRACTOR MUST SUBMIT A WORK PLAN TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF THE WORK. COST OF THESE PROVISIONS WILL BE INCLUDED INTO THE VARIOUS ITEMS OF WORK.

LEGEND

- INLET AND PIPE PROTECTION
- PERIMETER EROSION BARRIER

BOWMAN, BARRETT & ASSOCIATES INC.
 CONSULTING ENGINEERS
 130 E. RANDOLPH STREET
 CHICAGO, ILLINOIS 60601
 JOB NO. 541



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
 EROSION CONTROL PLAN
 STAGE 2

SCALE: VERT. 1"=10'
 HORIZ. 1"=50'
 DATE: 10/25/05

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 CHECKED BY DDM

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	24
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

STORM SEWER STRUCTURE SCHEDULE

STR. NO.	LOCATION STATION - OFFSET	STRUCTURE TYPE AND CASTING	RIM EL.	INVERT ELEVATION(S)	NOTES
001	557+00.10 44.75' RT	PRC FLAR END SEC 36	N/A	508.30	
002	556+71.65 44.75' RT	RD MAN TA 5' T1F CL	516.89	508.39E, 508.41W	
003	556+45.54 37.75' RT	RD MAN TA 5' T1F CL	517.46	508.48E, 508.50W, 512.21SW	
004	555+81.18 31.50' RT	RD MAN TA 5' T3 F&G	516.40	508.68E, 508.78W*, 512.80N	
005	555+85.00 21.50' LT	IN TB T3 F&G	516.63	513.30S, 513.40N	
006	555+85.00 35.42' LT	PRC FLAR END SEC 12	N/A	513.50	
007	556+12.13 54.88' RT	RD CB 4 DIA T1F OL	515.54	512.54	
010	557+58.09 44.75' RT	PRC FLAR END SEC 27	N/A	508.79	
011	558+30.50 44.75' RT	MAN TA 5 DIA T1F CL	517.97	509.00W, 514.88NW, 512.09N, 509.01E	
012	559+65.00 41.50' RT	MAN TA 5 DIA T1F CL	521.44	509.40W, 509.50N, 516.74NE	
013	559+65.00 20.50' LT	MAN TA 5 DIA T3 F&G	520.49	509.69S, 509.70N	
014	559+65.00 26.98' LT	MAN TA 5 DIA T1F CL	521.41	509.70S, 509.80E*	
015	560+10.00 17.58' RT	IN TA T3 F&G	521.28	517.25	
016	558+23.64 32.50' RT	IN TB T3 F&G	518.10	514.98SE, 515.08W	
017	558+08.64 32.50' RT	IN TA T3 F&G	518.00	515.20	
018	558+30.46 27.57' LT	IN TB T3 F&G	518.27	512.77S, 512.87NW	
019	558+15.48 32.50' LT	IN TA T3 F&G	518.07	513.00	

*NOTE: MATCH EXISTING SEWER INVERT ELEVATION

STORM SEWER PIPE SCHEDULE

FROM STR. NO.	TO STR. NO.	LENGTH (FEET)	DIAMETER (INCHES)	SLOPE (%)	CLSM TRENCH BACKFILL (CU. YD.)	STORM SEWER TYPE	NOTES
002	001	17.8	36	0.35%	14.5	SS CL A 1	
003	002	22.0	36	0.30%	24.9	STORM SEW WM REQ	
004	003	59.7	36	0.30%	65.4	STORM SEW WM REQ	
005	004	49.1	12	1.00%	6.2	SS RG CL A 1	
006	005	6.4	12	1.00%	0.8	SS RG CL A 1	
007	003	32.9	12	1.00%	9.5	SS RG CL A 1	
011	010	63.8	27	0.30%	55.0	SS CL A 2	
012	011	129.5	27	0.30%	202.1	SS CL A 2	
013	012	57.0	27	0.30%	97.8	SS RG CL A 2	
014	013	1.5	27	0.30%	0.0	SS CL A 2	
015	012	47.5	12	1.00%	10.3	SS RG CL A 1	
016	011	10.0	12	1.00%	0.8	SS RG CL A 1	
017	016	12.5	12	1.00%	0.8	STORM SEW WM REQ	
018	011	68.3	12	1.00%	24.2	SS RG CL A 1	
019	018	13.3	12	1.00%	3.7	SS CL A 1	

EXISTING STRUCTURES

STATION	OFFSET	ITEM
554+92.93	31.68' RT	MAN ADJUST
556+54.55	30.49' LT	MAN ADJUST
556+63.44	31.34' RT	REMOV MANHOLES
557+83.83	32.22' LT	REMOV MANHOLES
557+93.52	25.92' LT	REMOV MANHOLES
557+98.62	16.43' LT	REMOV INLETS
558+00.71	14.91' RT	REMOV INLETS
556+12.13	54.88' RT	REMOV INLETS

STORM SEWER REMOVAL

FROM		TO		DIAMETER (INCHES)	LENGTH (FEET)	CLSM TRENCH BACKFILL (CU YD)
STATION	OFFSET	STATION	OFFSET			
555+81.18	31.50' RT	556+63.44	31.34' RT	30	83	41.7
556+63.44	31.34' RT	557+03.25	32.76' RT	30	40	34.1
556+12.31	54.88' RT	556+90.36	32.62' RT	6	83	1.7
557+93.52	25.92' LT	557+83.83	32.22' LT	24	12	7.9
557+83.83	32.22' LT	557+65.30	33.59' LT	24	19	9.6
558+00.71	14.91' RT	557+98.62	16.43' LT	12	32	4.8
557+98.62	16.43' LT	557+93.52	25.92' LT	12	11	2.4
559+65.00	26.98' LT	557+93.52	25.92' LT	27	172	180.6

LEGEND:

STRUCTURE TO BE ADJUSTED

ITEM TO BE ADJUSTED OR RELOCATED BY OTHERS

NOTES:

- STATION AND OFFSET VALUES GIVEN FOR PROPOSED STRUCTURES REPRESENT THE CENTER OF THE CASTING.
- STATION AND ELEVATION VALUES GIVEN FOR PROPOSED FLARED END SECTIONS REPRESENT THE DOWNSTREAM END OF THE FLARED END SECTION.
- ALL WATERMAIN WORK TO BE PERFORMED BY CITY OF MORRIS FORCES.
- THE CONTRACTOR MUST ENSURE POSITIVE DRAINAGE TO ALL INLETS, CATCH BASINS, AND MANHOLES WITH OPEN LIDS.
- SEE GENERAL NOTES SHEET FOR ADDITIONAL DRAINAGE AND UTILITIES NOTES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

U.S. ROUTE 6
DRAINAGE SCHEDULES & NOTES

SCALE: VERT. HORIZ. N.T.S.
DATE 10/25/05

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CHECKED BY JMD

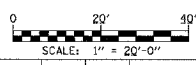
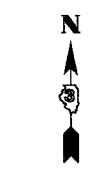
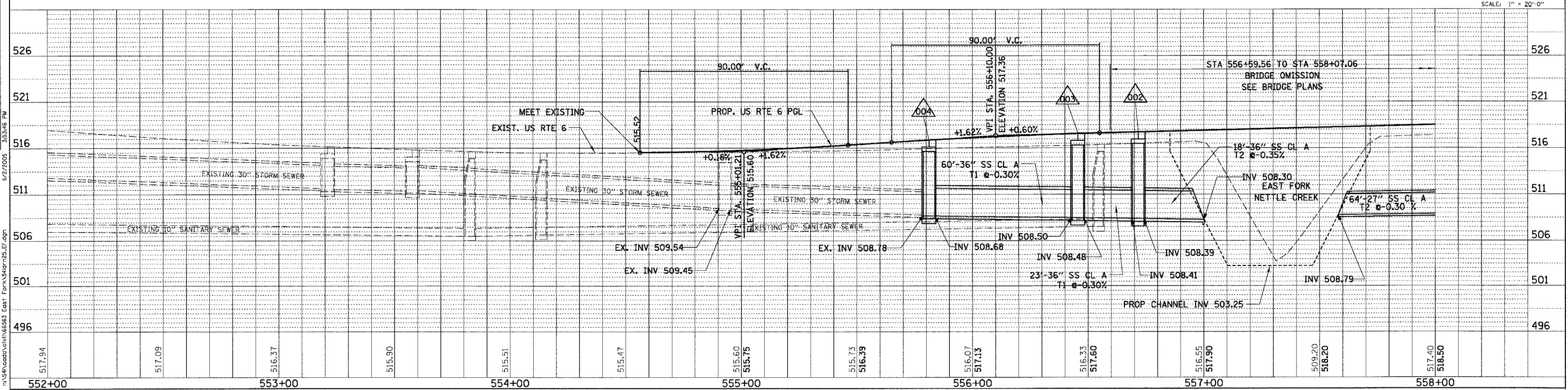
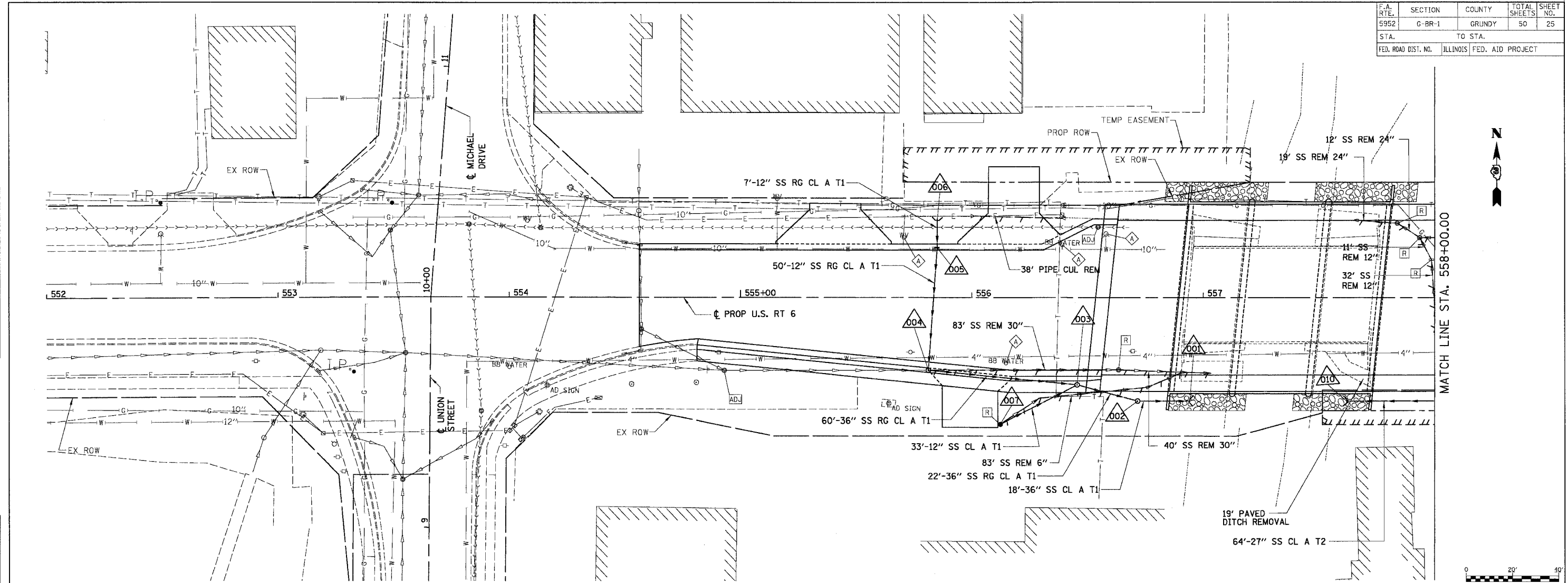
BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

PLAN	SURVEYED	DATE
NO.	BY	
	CHECKED	
	DATE	
	NO.	
	DATE	

PROFILE	SURVEYED	DATE
NO.	BY	
	CHECKED	
	DATE	
	NO.	
	DATE	



US ROUTE 6 - DRAINAGE & UTILITIES

S.E. 1/4 OF SEC. 33, T.34N., R7E. OF THE 3RD P.M.

GR-618
PARCEL 3LF0011

J & M AUTO BODY, INCORPORATED

TOTAL HOLDING = 26,388 SQ. FT. ±
TOTAL R.O.W. REQUIRED = 1,220 SQ. FT. ±
REMAINDER = 25,168 SQ. FT. ±
TEMPORARY EASEMENT = 2,250 SQ. FT. ±
PURPOSE: DRIVEWAY RECONSTRUCTION / GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3LF0011	(P.O.C.) 501 TO 502	N.88°32'20"E.	203.56'
	502 TO 503	N.00°50'54"W.	40.00'
	(P.O.B.) 503 TO 504	N.00°50'54"W.	10.00'
	504 TO 505	N.88°32'20"E.	150.00'
	505 TO 506	S.78°27'05"W.	57.08'
3LF0011 TE	(P.O.C.) 501 TO 502	N.88°32'20"E.	203.56'
	502 TO 504	N.00°50'54"W.	50.00'
	(P.O.B.) 504 TO 507	N.00°50'54"W.	15.00'
	507 TO 508	N.88°32'20"E.	150.02'
	508 TO 505	S.00°50'54"E.	15.00'

GR-311
PARCEL 3LF0032

THOMAS DORAN, et. ux.

TOTAL HOLDING = 21,235 SQ. FT. ±
TOTAL R.O.W. REQUIRED = 1,584 SQ. FT. ±
REMAINDER = 19,651 SQ. FT. ±
TEMPORARY EASEMENT = 1,192 SQ. FT. ±
PURPOSE: DRIVEWAY RECONSTRUCTION / GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3LF0032	(P.O.C.) 501 TO 533	N.88°32'20"E.	668.19'
	533 TO 509	S.01°05'51"E.	33.00'
	(P.O.B.) 509 TO 510	S.01°05'51"E.	16.00'
	510 TO 511	S.88°32'20"W.	99.00'
	511 TO 512	N.01°05'51"W.	16.00'
3LF0032 TE	512 TO 509	N.88°32'20"E.	99.00'
	(P.O.C.) 501 TO 533	N.88°32'20"E.	668.19'
	533 TO 509	S.01°05'51"E.	33.00'
	509 TO 510	S.01°05'51"E.	16.00'
	(P.O.B.) 510 TO 513	S.01°05'51"E.	22.00'
	513 TO 514	S.88°32'20"W.	15.65'
	514 TO 515	N.03°24'42"W.	17.01'
	515 TO 516	S.88°32'20"W.	34.84'
	516 TO 517	S.03°09'34"E.	20.03'
	517 TO 518	S.88°32'20"W.	24.71'
	518 TO 519	N.05°48'00"W.	17.00'

GR-313
PARCEL 3LF0034

GARY WATLAND

TOTAL HOLDING = 8,230 SQ. FT. ±
TOTAL R.O.W. REQUIRED = 630 SQ. FT. ±
REMAINDER = 7,600 SQ. FT. ±
TEMPORARY EASEMENT = 420 SQ. FT. ±
PURPOSE: GRADING

PARCEL	POINT TO POINT	BEARING	DISTANCE
3LF0034	(P.O.C.) 501 TO 535	N.88°32'20"E.	385.72'
	535 TO 528	S.01°05'51"E.	33.00'
	528 TO 529	S.01°05'51"E.	7.00'
	(P.O.B.) 529 TO 524	N.88°32'20"E.	70.00'
	524 TO 523	S.01°05'51"E.	9.00'
3LF0034 TE	(P.O.C.) 501 TO 535	N.88°32'20"E.	385.72'
	535 TO 528	S.01°05'51"E.	33.00'
	528 TO 530	N.88°32'20"E.	70.00'
	(P.O.B.) 530 TO 523	N.88°32'20"E.	70.00'
	523 TO 531	S.01°05'51"E.	6.00'

GR-312
PARCEL 3LF0033

DAVID NUSBAUMER, et. ux., et al.

TOTAL HOLDING = 22,188 SQ. FT. ±
TOTAL R.O.W. REQUIRED = 1,021 SQ. FT. ±
REMAINDER = 21,167 SQ. FT. ±
TEMPORARY EASEMENT = 2,577 SQ. FT. ±
PURPOSE: DRIVEWAY RECONSTRUCTION / GRADING

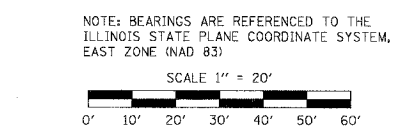
PARCEL	POINT TO POINT	BEARING	DISTANCE
3LF0033	(P.O.C.) 501 TO 534	N.88°32'20"E.	569.19'
	534 TO 512	S.01°05'51"E.	33.00'
	512 TO 522	S.01°05'51"E.	7.00'
	(P.O.B.) 522 TO 511	S.01°05'51"E.	9.00'
	511 TO 523	S.88°32'20"W.	113.47'
3LF0033 TE	523 TO 524	N.01°05'51"W.	9.00'
	524 TO 522	N.88°32'20"E.	113.46'
	(P.O.C.) 501 TO 534	N.88°32'20"E.	569.19'
	534 TO 512	S.01°05'51"E.	33.00'
	512 TO 511	S.01°05'51"E.	16.00'
	(P.O.B.) 525 TO 526	S.88°32'20"W.	61.46'
	526 TO 527	S.88°32'20"W.	51.06'

CERTIFICATION OF SURVEY

I, LOUIS BOWMAN JR. HEREBY CERTIFY THAT I AM AN ILLINOIS PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS; THAT THE SURVEY OF PROPOSED F.A.U. ROUTE 5952 WAS HEREBY MADE BY BOWMAN, BARRETT & ASSOCIATES INC. UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT ALL MONUMENTS AND MARKS ARE THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

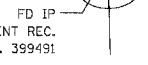
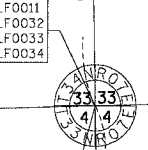
BOWMAN, BARRETT & ASSOCIATES INC.
DATE _____ BY LOUIS BOWMAN JR.
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-1911
EXPIRATION DATE: NOV. 30, 2006

N.E. 1/4 SEC. 4, T.33N., R.7E. OF 3RD P.M.

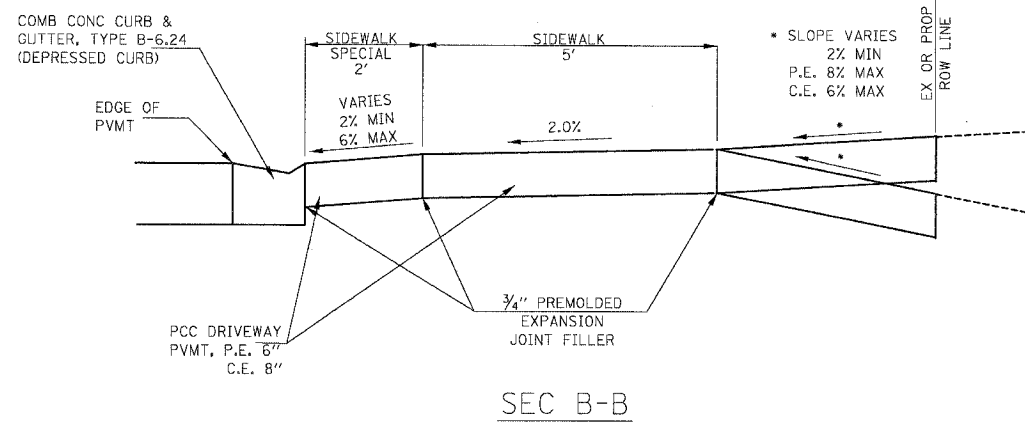


RIGHT OF WAY PLANS	
ROUTE	F.A.U. 5952 (U.S. ROUTE 6)
SECTION	G-BR-1
PROJECT	
COUNTY	GRUNDY
JOB NUMBER	R-93-017-95
STATION	555+00 TO 560+50
SHEET	01 OF 01
SCALE	1" = 20'

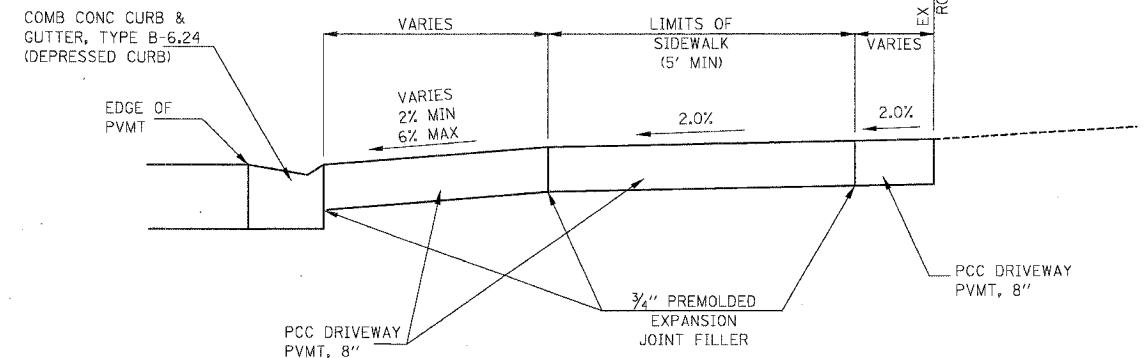
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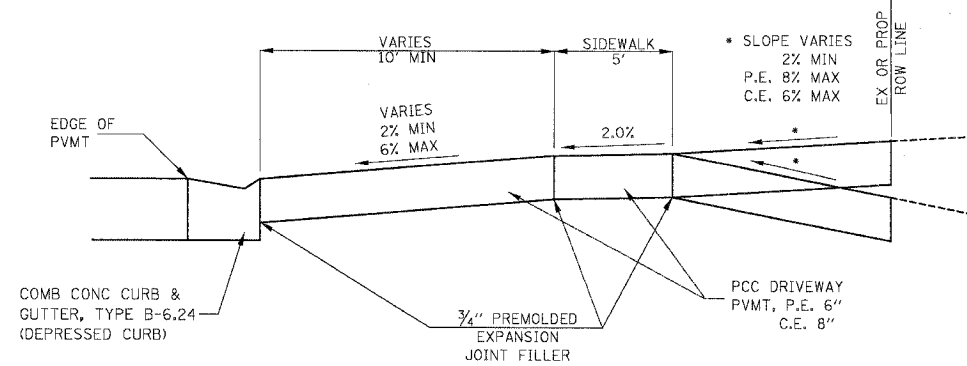
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	G-BR-1	GRUNDY	50	28
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



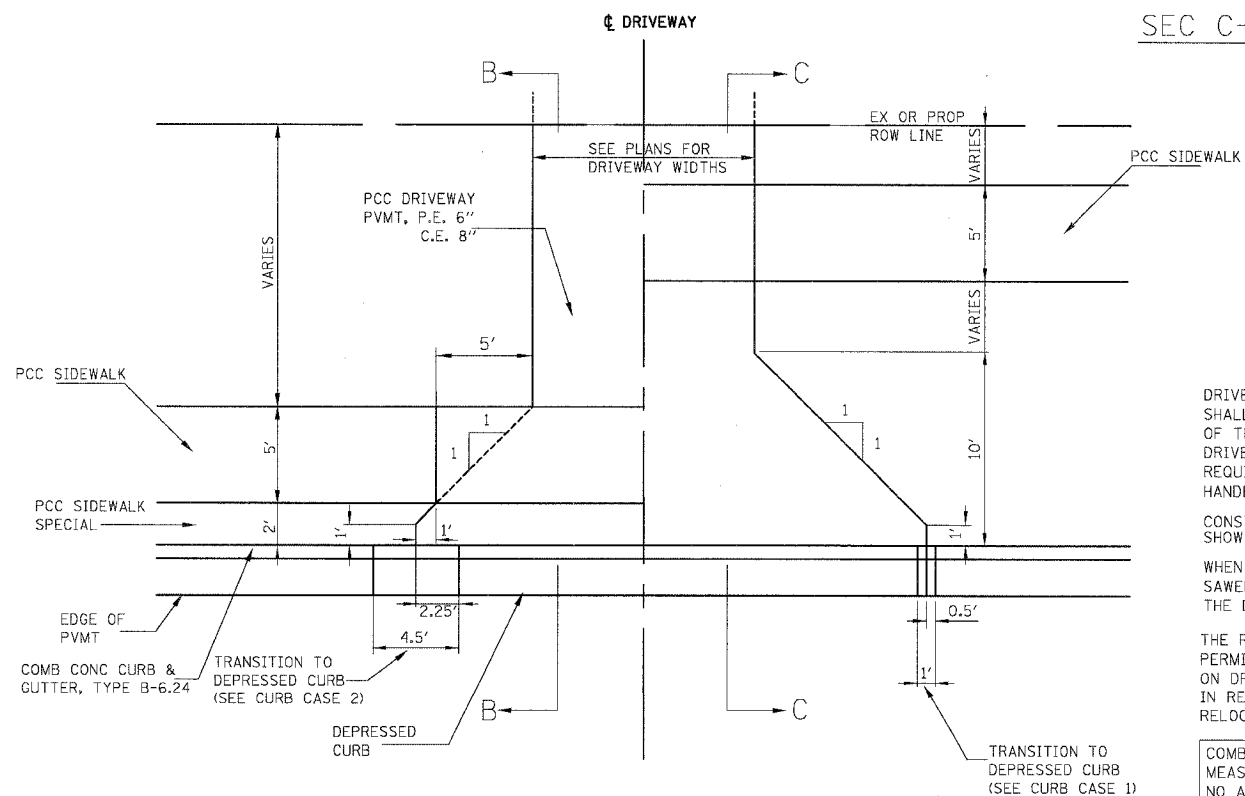
SEC B-B



SEC D-D



SEC C-C



PLAN
PRIVATE OR COMMERCIAL ENTRANCE
WITHOUT CURB RETURNS
WITH SIDEWALK

NOTES:

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

CONSTRUCT ENTRANCE TO ROW LINE UNLESS OTHERWISE SHOWN IN THE PLANS

WHEN WIDTH OF PROPOSED DRIVEWAY IS GREATER THAN 20', SAWED OR TOOLED RELIEF JOINTS SHALL BE USED ALONG THE DRIVEWAY'S CENTERLINE.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 815-434-8490 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF DRIVEWAY.

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

3/4" PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



REVISIONS	
NAME	DATE

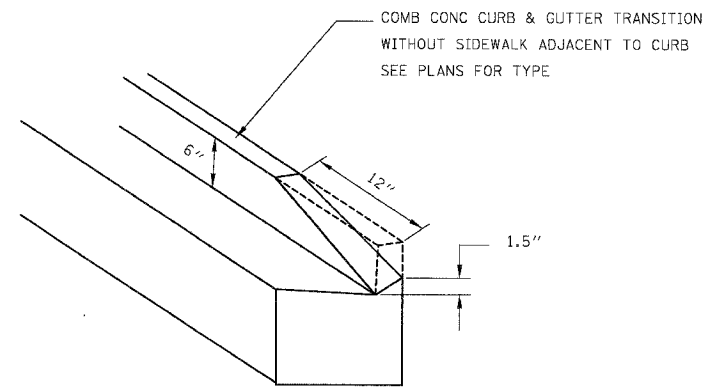
ILLINOIS DEPARTMENT OF TRANSPORTATION

US ROUTE 6
DRIVEWAY DETAILS

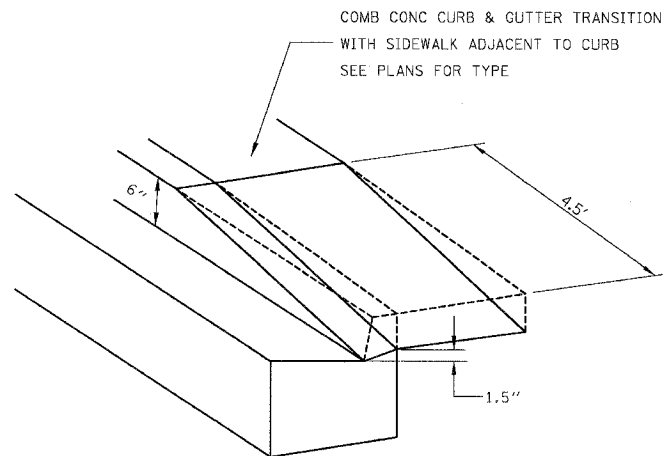
SCALE: VERT. NTS
HORIZ. DATE 10/25/05

DRAWN BY KAR
CHECKED BY DDM

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	C-BR-1	GRUNDY	50	29
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		



CURB CASE 1



CURB CASE 2

NOTES:

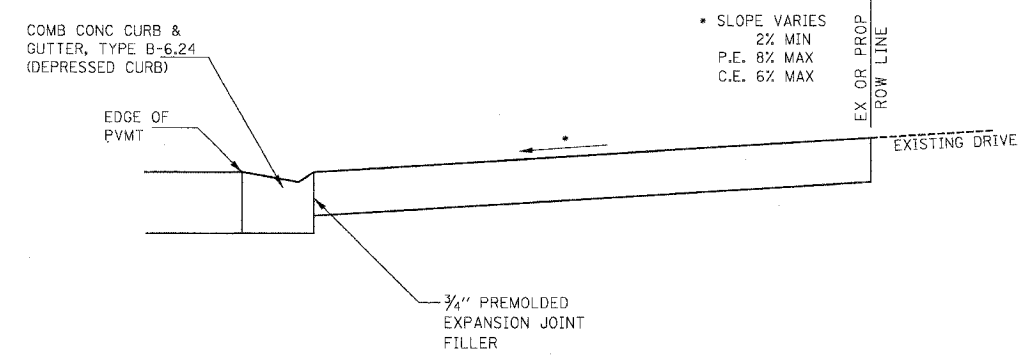
DRIVEWAY SLOPES, LOCATIONS & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK.

CONSTRUCT ENTRANCE TO ROW LINE UNLESS OTHERWISE SHOWN IN THE PLANS WHEN WIDTH OF PROPOSED DRIVEWAY IS GREATER THAN 20', SAWED OR TOOLED RELIEF JOINTS SHALL BE USED ALONG THE DRIVEWAY'S CENTERLINE.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 815-434-8490 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF DRIVEWAY.

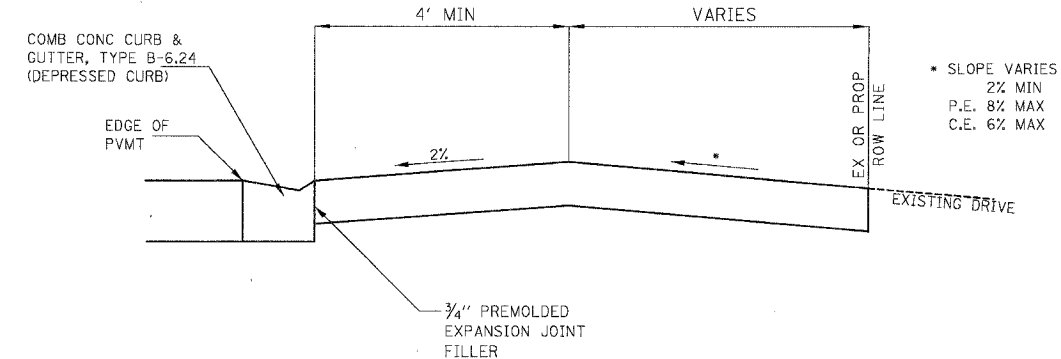
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

3/4" PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY. BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.



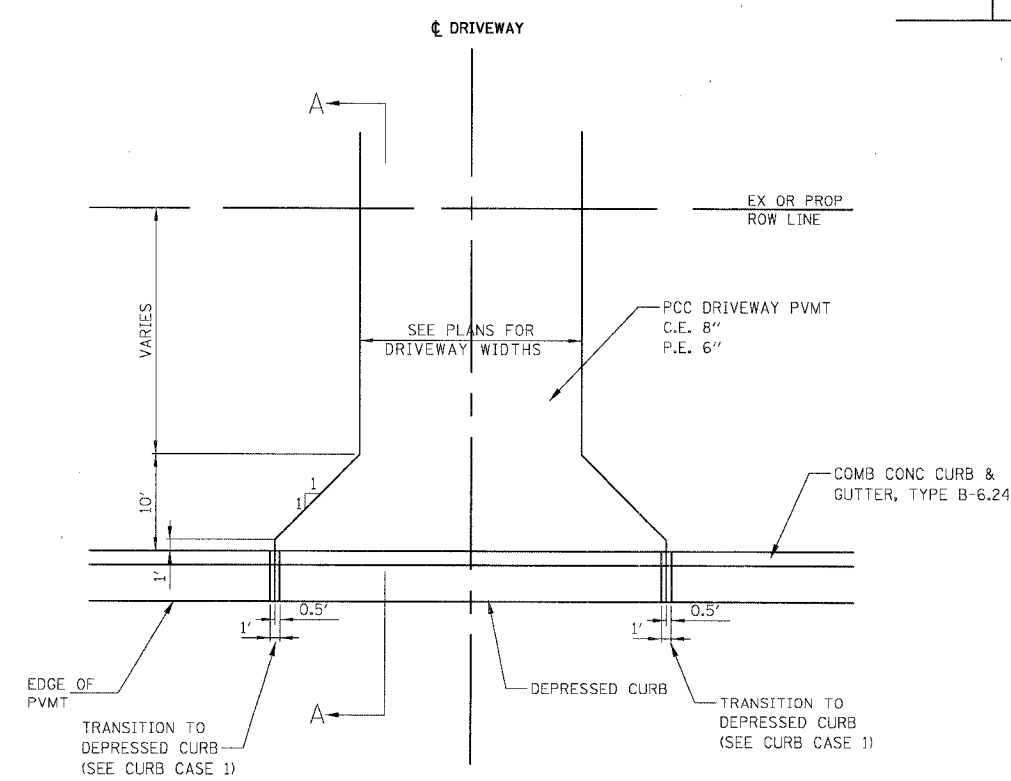
ELEVATED ENTRANCE

SEC A-A



DEPRESSED ENTRANCE

SEC A-A



PLAN

PRIVATE OR COMMERCIAL ENTRANCE WITHOUT CURB RETURNS WITHOUT SIDEWALK

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

US ROUTE 6
DRIVEWAY DETAILS

SCALE: VERT. NTS
HORIZ. DATE 10/25/05

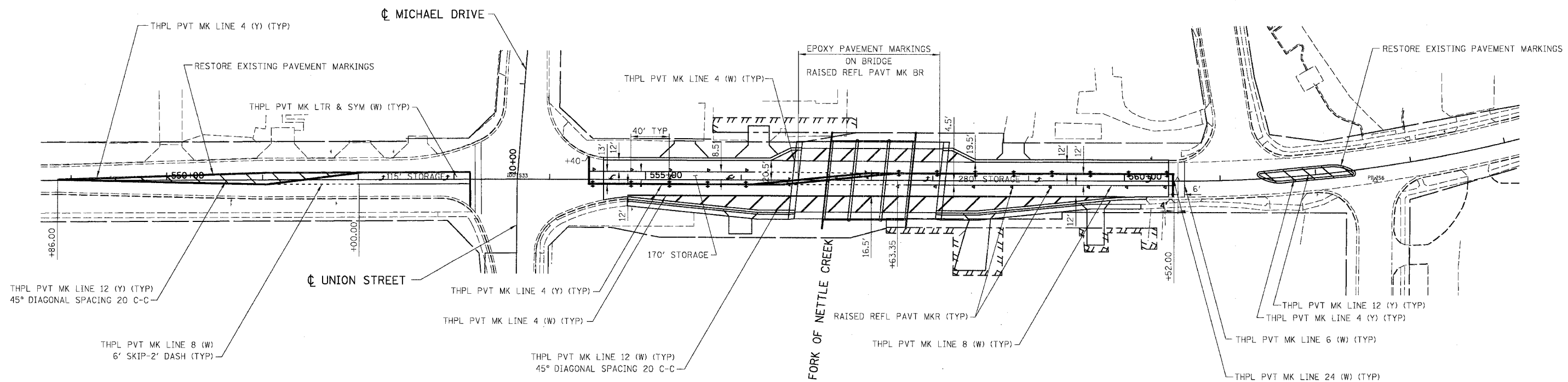
DRAWN BY KAR
CHECKED BY DDM

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	30
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

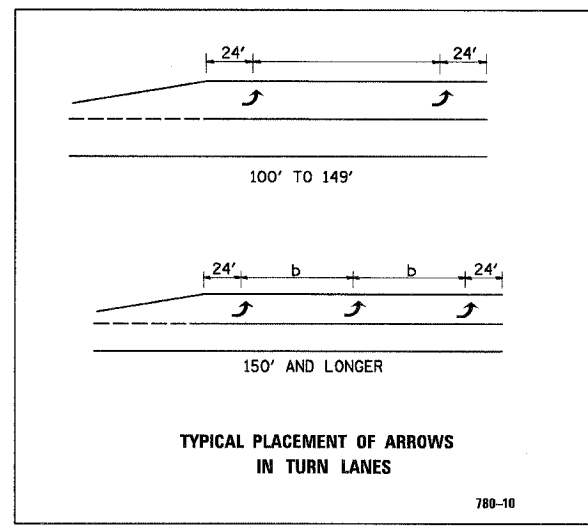


- NOTES
1. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS MUST BE MAINTAINED AND/OR REMOVED, STORED, AND RE-ERECTED AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY, BUT MUST BE INCLUDED IN OTHER ITEMS OF THE CONTRACT.
 2. SEE MOT SHEETS FOR PAVEMENT MARKING REMOVALS

LEGEND

- ◁ ◁ ONE-WAY CRYSTAL MARKER
- • ONE-WAY AMBER MARKER
- ◆ ◆ TWO-WAY AMBER MARKER

SEE STANDARD 781001-02



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F:\SA\cadd\civil\66563 East Fork\40PWS.EF.dgn

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

**U.S. ROUTE 6
PAVEMENT MARKINGS
& SIGNING PLAN**

VERT. SCALE: 1"=50'
DATE: 10/25/05

DRAWN BY RA
CHECKED BY DM

Benchmark: "□" cut on top of northwest wingwall of bridge over East Fork of Nettle Creek (S.N. 032-0081) El. 517.51.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 31
S.R.L.	①	GRUNDY	50	31	OF 514 SHEETS
F.A.U. DIST.	7	ILLINOIS	FED. AID PROJECT		
				① G-BR-1	66563

EXISTING STRUCTURE DESCRIPTION:

The bridge (S.N. 032-0081) was built as F.A. Route 8, Section G-BR-1 in 1975. The structure is a two-span precast, prestressed concrete deck beam bridge with a bituminous overlay and a total length back to back of abutments of 82'-6". The deck is 42'-0" out to out and carries two traffic lanes and a sidewalk on each side. The structure skew is 6°00'00" left. The bridge is supported by stub abutments and a solid pier founded on steel piles. The bridge will be replaced utilizing stage construction maintaining one lane of traffic in each direction at all times. No salvage.

Notes:
See Sheet S3 for Section A-A, Section B-B and Existing Cross Section.
See Roadway Plans for detailed drainage, utility, R.O.W. and easement information.
Portions of existing structure removed below proposed channel excavation limits shall be backfilled in accordance with Article 502.10 of the Std. Specs.
Cost Included with Removal of Existing Structures.
See erosion control plan for provisions on in-stream work.
See Sheet S2 for the limits of Temporary Sheet Piling.
See Special Provisions for Status of Utilities to be adjusted.

⊕ Denotes Soil Boring Location
⊗ Denotes Channel Excavation

WATERWAY INFORMATION

Drainage Area = 17.2 mi² Low Grade Elev. = 516.53 @ Sta. 554+48.36

Flood	Freq. Yr.	Q ft ³ /s	Opening ft ²		Head-ft		Headwater El.		
			Exist.	Prop.	HWE ft	Exist.	Prop.	Exist.	Prop.
Design	50	1214	504	569	514.4	0.0	0.0	514.4	514.4
Base	100	1369	549	634	515.5	0.0	0.0	515.5	515.5
Overtopping	130	1400	549	-	515.7	0.0	-	515.7	-
Max. Calc.	150	1430	-	634	515.8	-	0.0	-	515.8

DESIGN SPECIFICATIONS

1996 AASHTO, 1997 thru 2002 Interims

LOADING HS20

Allow 50 psf for future wearing surface.

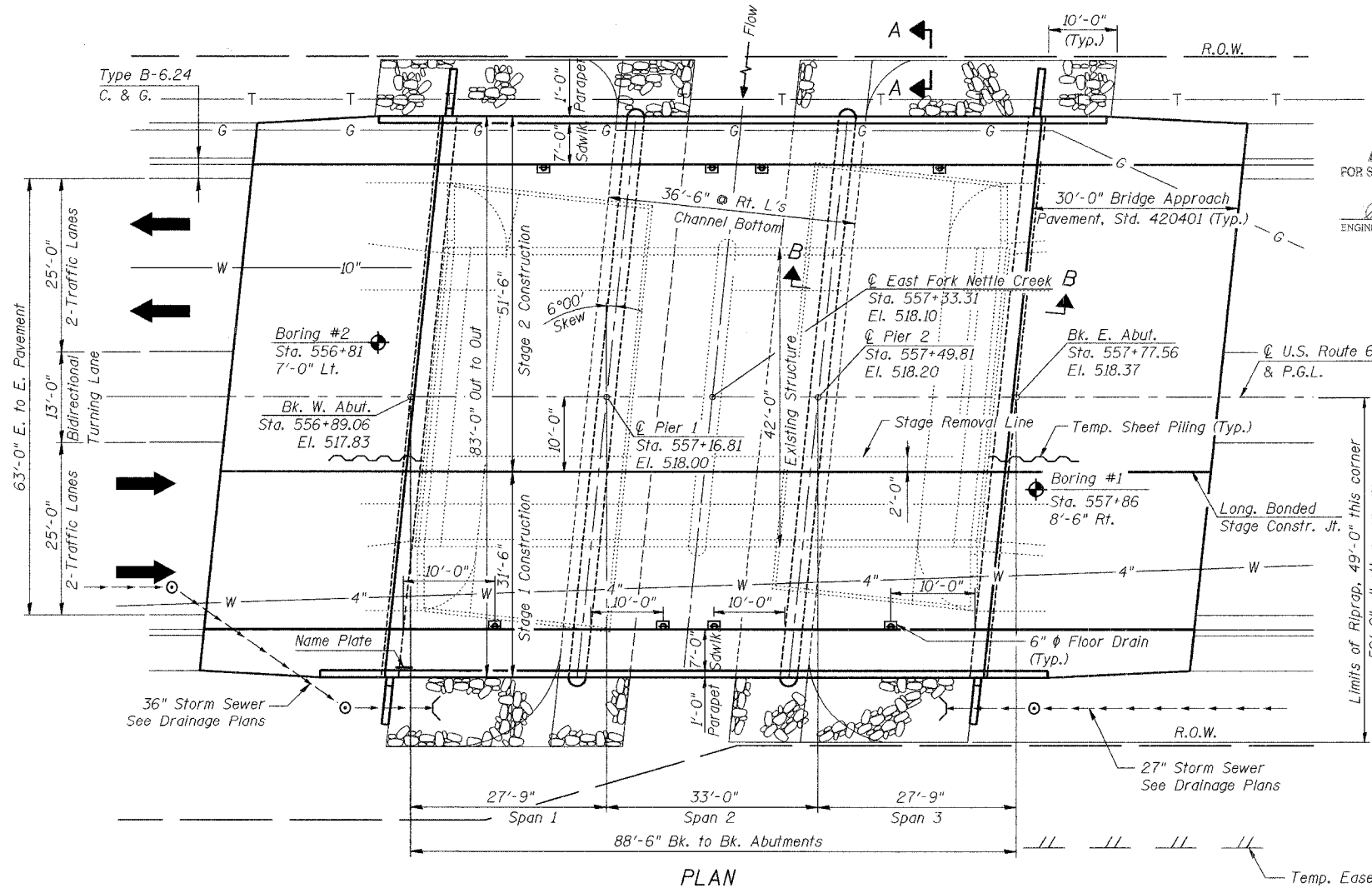
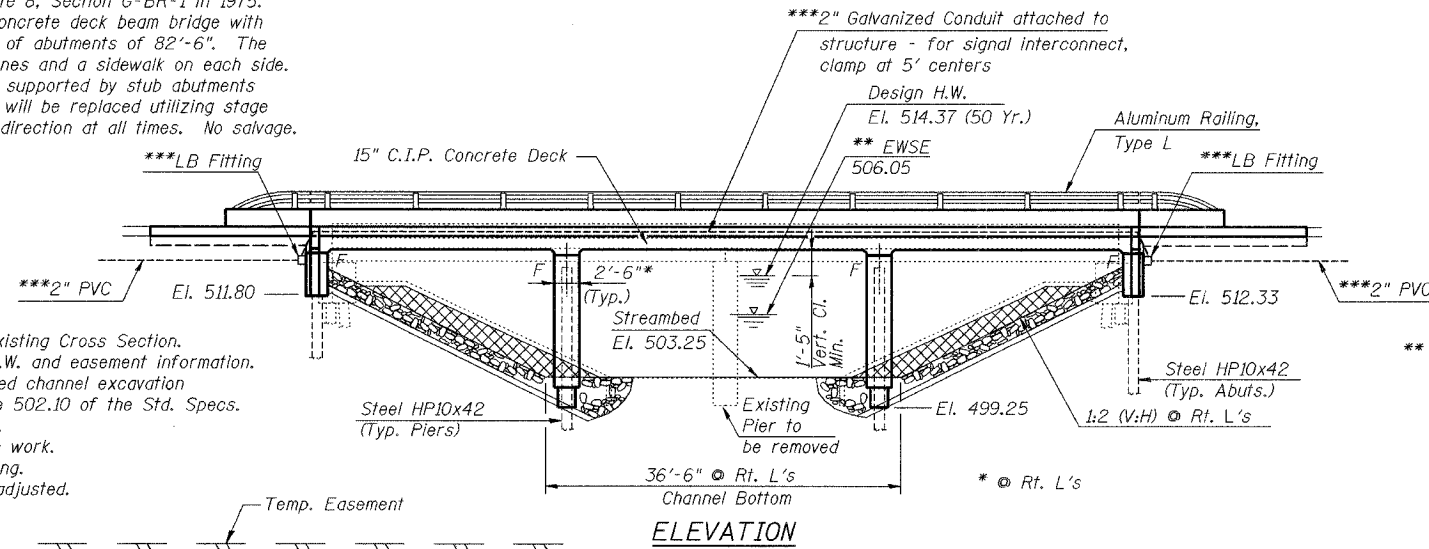
DESIGN STRESSES

FIELD UNITS

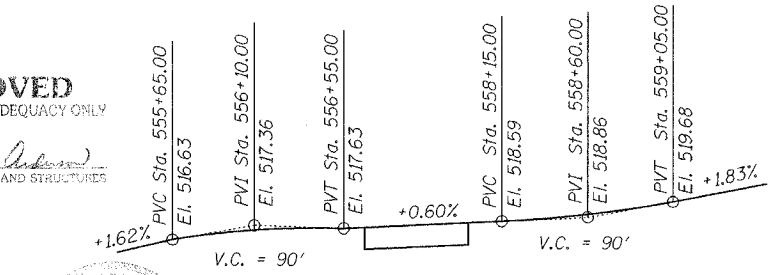
f_c = 3,500 psi
f_y = 60,000 psi (Reinf.)

SEISMIC DATA

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



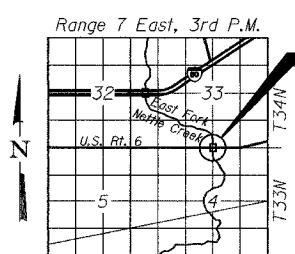
APPROVED
FOR STRUCTURAL ADEQUACY ONLY
Ralph E. Johnson
ENGINEER OF BRIDGES AND STRUCTURES



**PROFILE GRADE LINE
ALONG U.S. ROUTE 6**

STATION 557+33
BUILT 200 BY
STATE OF ILLINOIS
FAU 5952 SEC. G-BR-1
LOADING HS20
STR. NO. 032-0108

NAME PLATE
See Std. 515001



LOCATION SKETCH

DESIGNED	ED/UM
CHECKED	MRM
DRAWN	EMF/LT
CHECKED	BLU

DATE: 11/04/05

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



**GENERAL PLAN AND ELEVATION
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108**

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.A.U. 6982	①	GRUNDY	50	32
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 52
OF 514 SHEETS

① G-BR-1 66563

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.

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

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

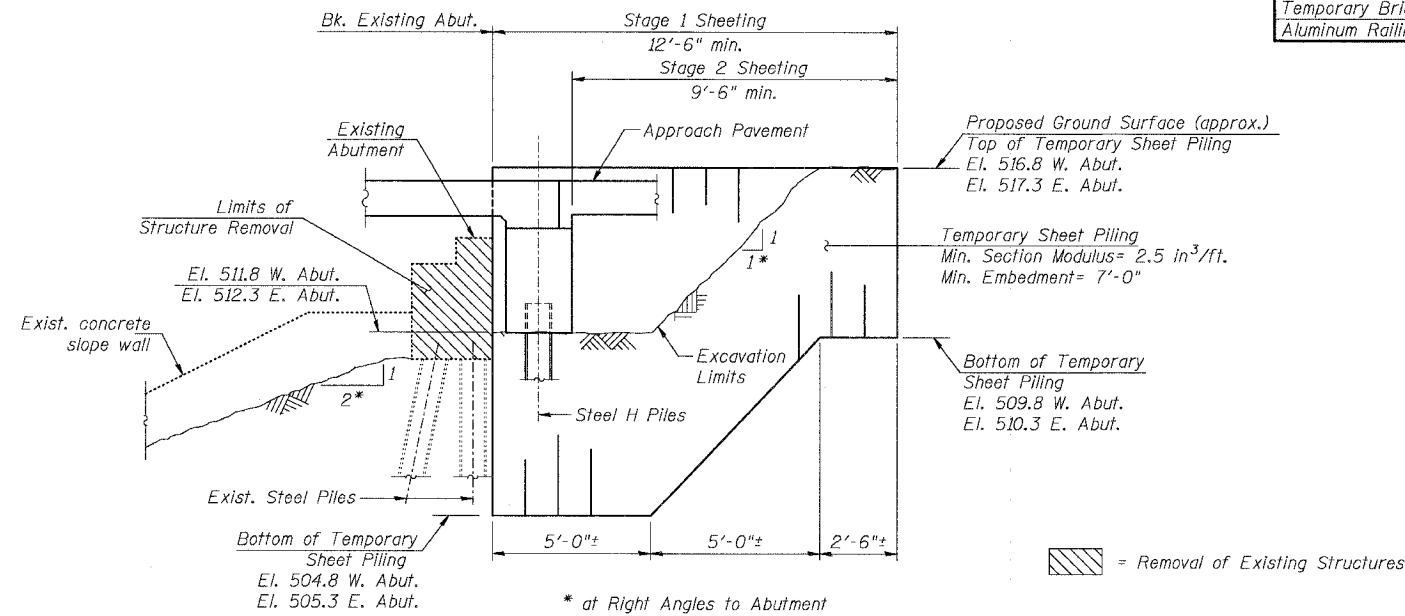
The Contractor shall drive two HP10x42 test piles in a permanent location one at the West Abutment and one at Pier 2 before ordering the remainder of piles.

If the Contractor chooses to alter the temporary cantilevered sheet piling design requirements shown on the plans, a design submittal including plan details and calculations will be required for review and acceptance by the engineer.

All construction joints shall be bonded.

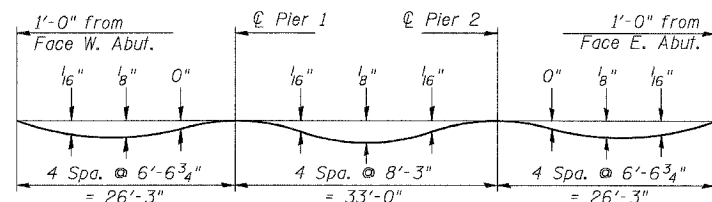
TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Removal of Existing Structures	Each	-	-	1
Structure Excavation	Cu. Yd.	-	177	177
Concrete Structures	Cu. Yd.	-	270.7	270.7
Concrete Superstructure	Cu. Yd.	422.5	-	422.5
Protective Coat	Sq. Yd.	855	-	855
Bridge Deck Grooving	Sq. Yd.	632	-	632
Reinforcement Bars, Epoxy Coated	Pound	77900	24350	102250
Bar Splacers	Each	346	92	438
Name Plates	Each	1	-	1
Floor Drains	Each	8	-	8
Furnishing Steel Piles HP 10x42	Foot	-	1630	1630
Driving Steel Piles	Foot	-	1630	1630
Test Pile Steel HP 10x42	Each	-	2	2
Temporary Sheet Piling	Sq. Ft.	-	250	250
Underwater Structure Excavation Protection, Location 1	Each	-	1	1
Underwater Structure Excavation Protection, Location 2	Each	-	1	1
Stone Riprap, Class A4	Sq. Yd.	-	760	760
Filter Fabric	Sq. Yd.	-	760	760
Temporary Bridge Rail	Foot	231	-	231
Aluminum Railing, Type L	Foot	211	-	211



TEMPORARY SHEET PILING

(Above diagram is drawn looking perpendicular to roadway)



DEAD LOAD DEFLECTION DIAGRAM
(Includes weight of concrete only.)

DESIGNED	UM
CHECKED	MRM
DRAWN	UM/MRM
CHECKED	BLU

DATE: 11/24/05

GENERAL NOTES AND
TOTAL BILL OF MATERIAL
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1

BOWMAN, BARRETT
& ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541

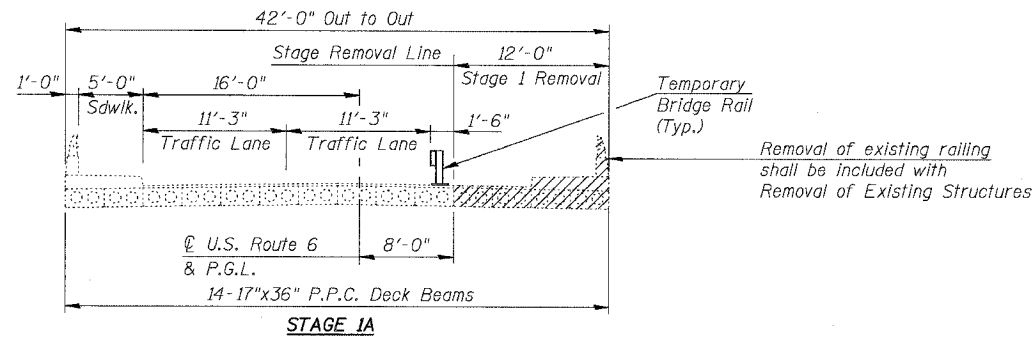


GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

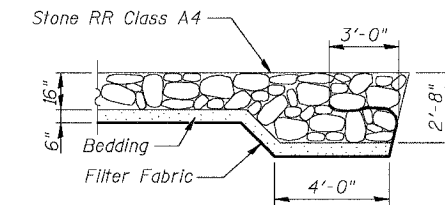
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEETS	SHEET NO.	SHEET NO. 53
P.A. U. STATE	①	GRUNDY	50	33	OF 514 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

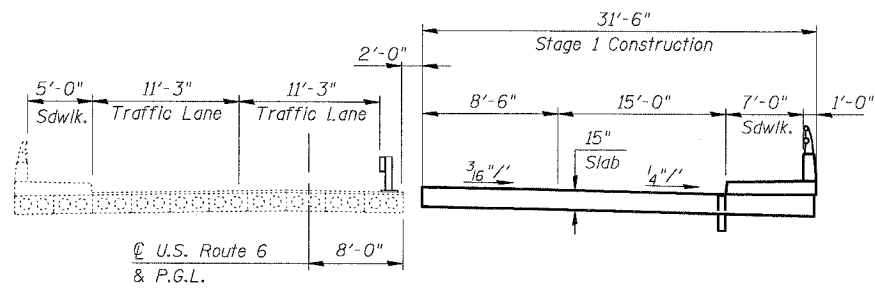
① G-BR-1 66563



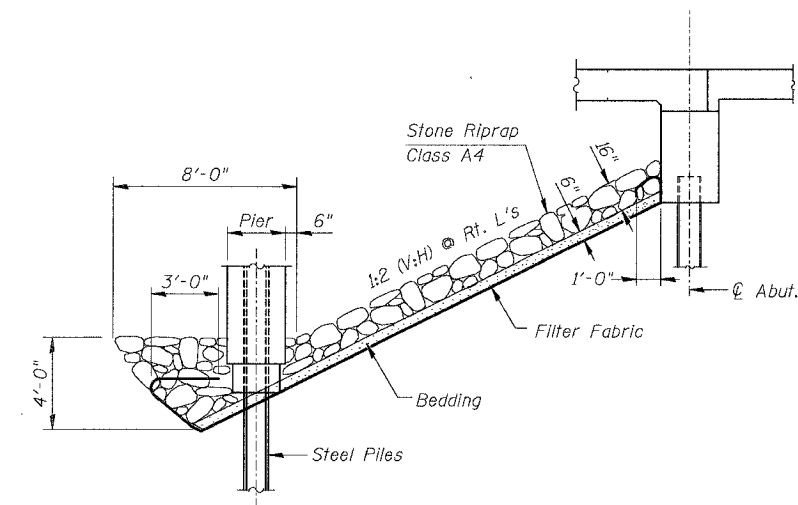
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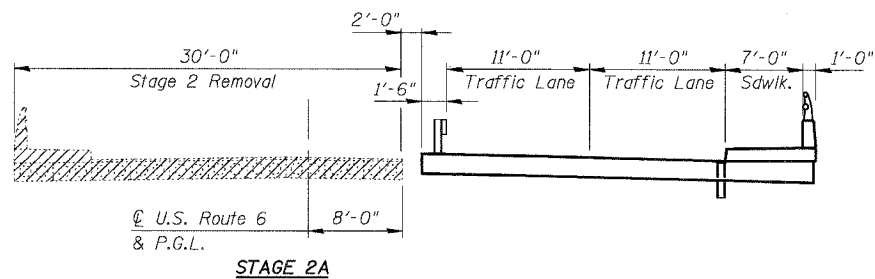
SECTION A-A



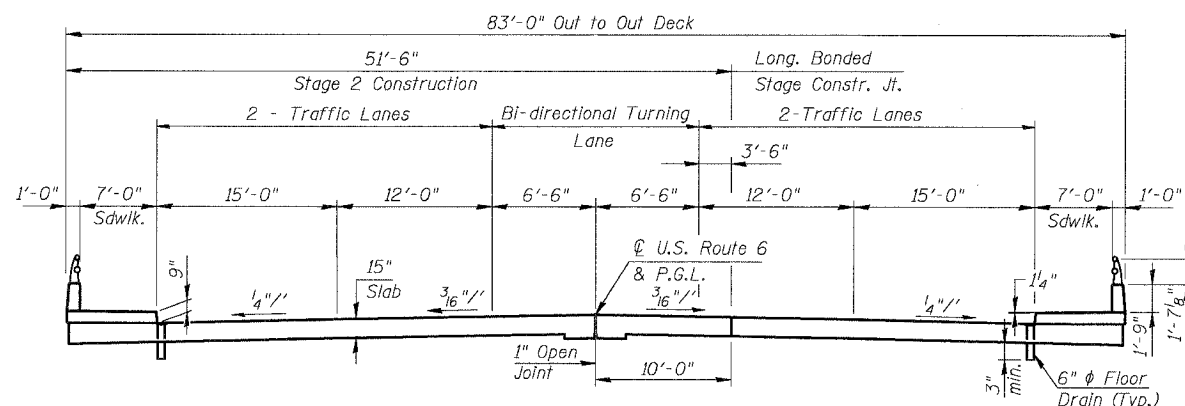
STAGE 1B
CONSTRUCTION STAGE 1



SECTION B-B



STAGE 2A



STAGE 2B (FINAL)
CONSTRUCTION STAGE 2

PROPOSED CROSS SECTIONS (LOOKING EAST)

DESIGNED	ED
CHECKED	BLU
DRAWN	EMF/LT
CHECKED	BLU

DATE: 10/25/05

CONSTRUCTION STAGING AND DETAILS
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1

GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

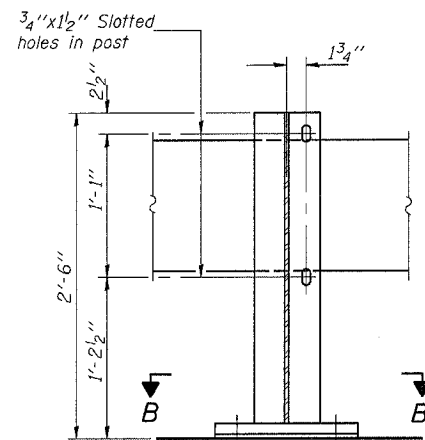
BOWMAN, BARRETT
& ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



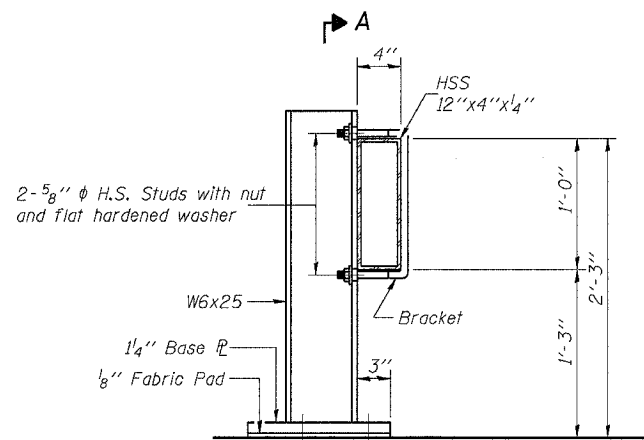
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S. R. L.	①	GRUNDY	50	34
F.A. U. 0192				
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

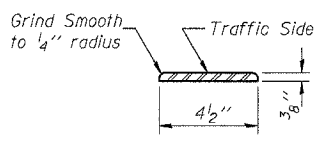
SHEET NO. 34
OF 514 SHEETS



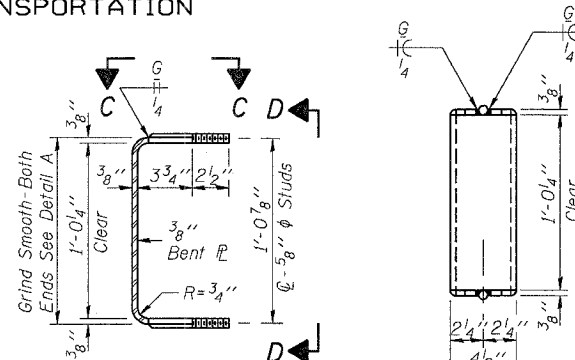
SECTION A-A



SECTION AT RAIL POST

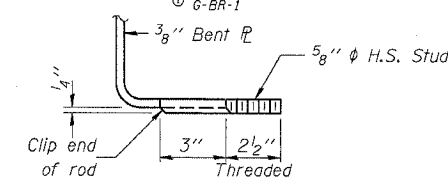


DETAIL A



SECTION THRU BRACKET

VIEW D-D



VIEW E-E

NOTES

Hollow structural sections shall conform to the requirements of ASTM designation A 500 Grade B Structural Steel Tubing. All other steel shapes and plates shall conform to the requirements of AASHTO M 270 Grade 36 except posts and brackets shall conform to AASHTO M 270, Grade 50.

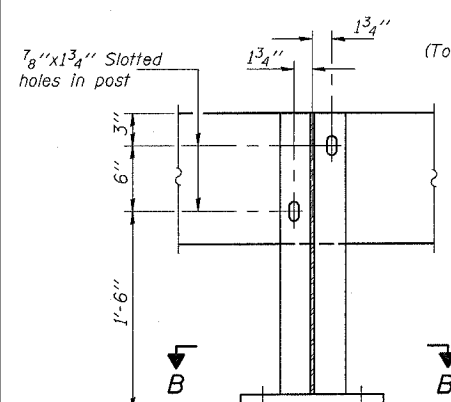
Bolts, cap screws, and nuts shall conform to the requirements of ASTM designation A 307 except for high strength bolts, threaded rods, studs, nuts and washers noted which shall conform to AASHTO M 164. The bridge rail shall receive one shop coat of a steel prime paint. The 1" high strength bolts or threaded rods used to connect the railposts shall be tightened according to Article 505.04(f)(2) of the Standard Specifications.

Temporary Bridge Rail shall be according to Section 514 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for Temporary Bridge Rail.

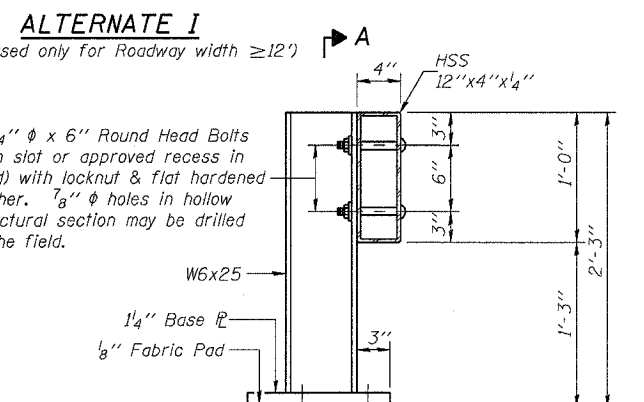
The contact surfaces between post flange, rail and inside face of bracket for Alternate I shall be free of all lubricants.

The nut for 5/8" high strength studs used in Alternate I to connect bracket to post shall be tightened to a snug fit and given an additional one half turn.

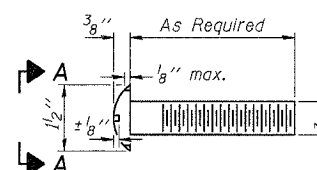
The Contractor shall grout full the cell(s) in the deck beam which will receive the anchor rods. The Contractor shall plug all drain holes and fill the cell completely before starting placement of anchors for temporary bridge rail. Grout shall meet the approval of the Engineer. Cost of grouting cell(s) shall be included in the cost of Temporary Bridge Rail. Utilize anchorage detail indicated **.



SECTION A-A

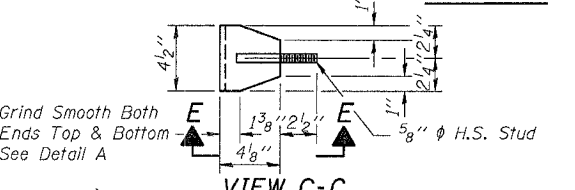


SECTION AT RAIL POST

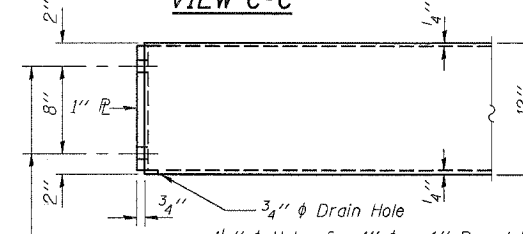


VIEW A-A
ROUND HEAD BOLT

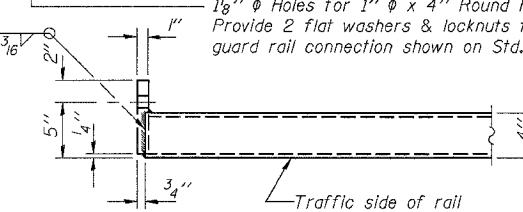
Wing type threaded inserts tapped for 1" H.S. bolts. (Insert Load Capacity = 14k min./bolt)



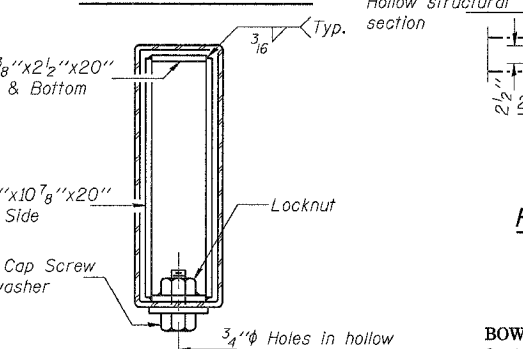
VIEW C-C



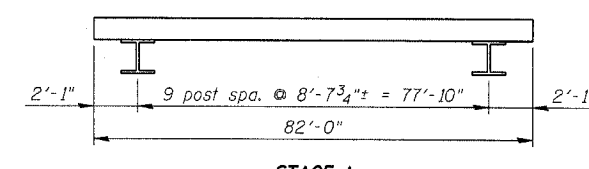
END OF RAIL DETAILS



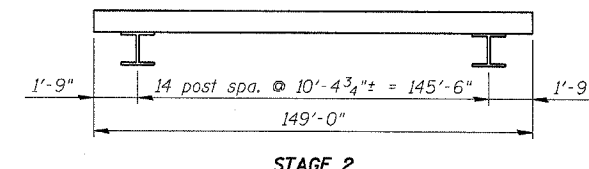
RAIL SPLICE CONNECTION
AT EXPANSION JT.



SECTION AT RAIL SPLICE



STAGE 1



STAGE 2

TEMPORARY BRIDGE RAIL POST SPACING

BILL OF MATERIAL

Item	Unit	Quantity
Temporary Bridge Rail	Foot	231

TEMPORARY BRIDGE RAIL
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1

GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

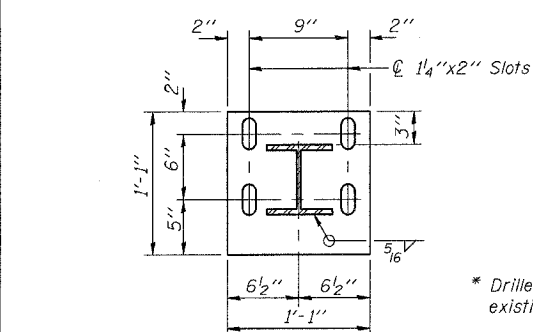
BOWMAN, BARRETT
& ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



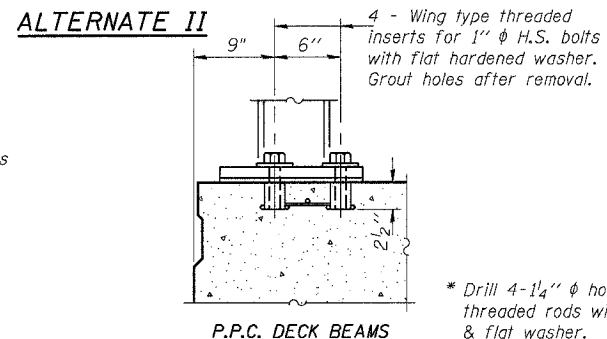
DESIGNED	UM
CHECKED	BLU
DRAWN	UM
CHECKED	BLU

R-25 10-31-02

ALTERNATE II

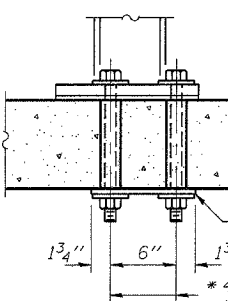


SECTION B-B



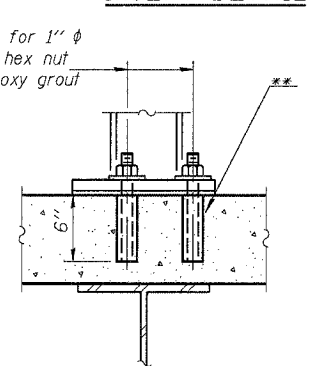
SECTION AT RAIL POST

P.P.C. DECK BEAMS



NEW & EXISTING DECKS
ANCHORAGE DETAILS

INSERT DETAIL



* Drill 4-1 1/4" diameter holes for 1" threaded rods with hex nut & flat washer. Epoxy grout rods.

* 4-1 1/4" diameter formed holes for 1" H.S. bolts with nut & flat washers. Grout holes in deck after bolt removal.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
Aluminum sheeted const. joints
in parapet

ROUTE NO.	SECTION	COUNTY	DATE	SHEET	SHEET NO. 55
S.P.L.	①	GRUNDY	52	35	OF 514 SHEETS
F.A.U. 5952					
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			

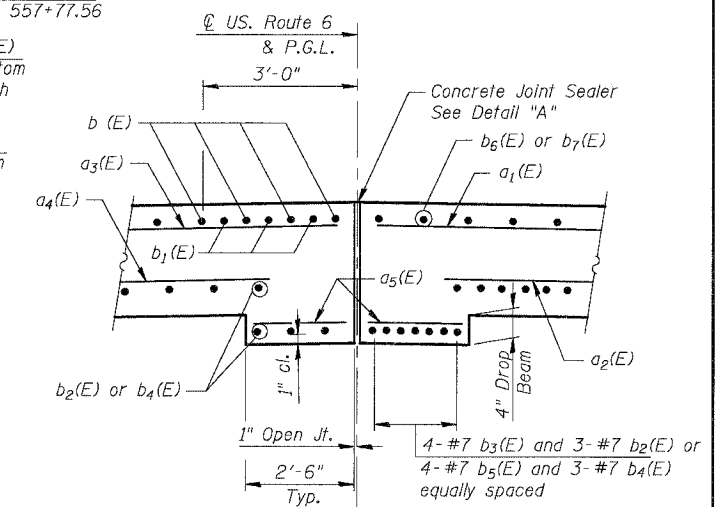
① G-BR-1 66563

Notes: See Sheet S6 of S14 for Sections A-A, B-B, superstructure details, and Bill of Material. Reinforcement bars designated (E) shall be epoxy coated. Bars indicated thus 20 x 3-#5 etc. indicate 20 lines of bars with 3 lengths per line. See Sheet S6 of S14 for parapet reinforcement. Space bars as necessary to miss floor drains. For floor drain locations see sheet S1.

** bars at 12" cts. Top of slab over piers
*** bars at 12" cts. Top of slab centered over piers
**** bars at 12" cts. Bottom of slab Span 2
bars at 12" cts. Bottom of slab Spans 1 and 3
bars at 12" cts. Top of slab Span 2
bars at 12" cts. Top of slab Spans 1 and 3

MIN. BAR LAP

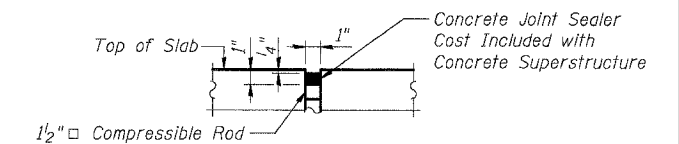
#5	2'-2"
#8	4'-10"



NEAR PIER NEAR MIDSPAN

OPEN JOINT DETAIL

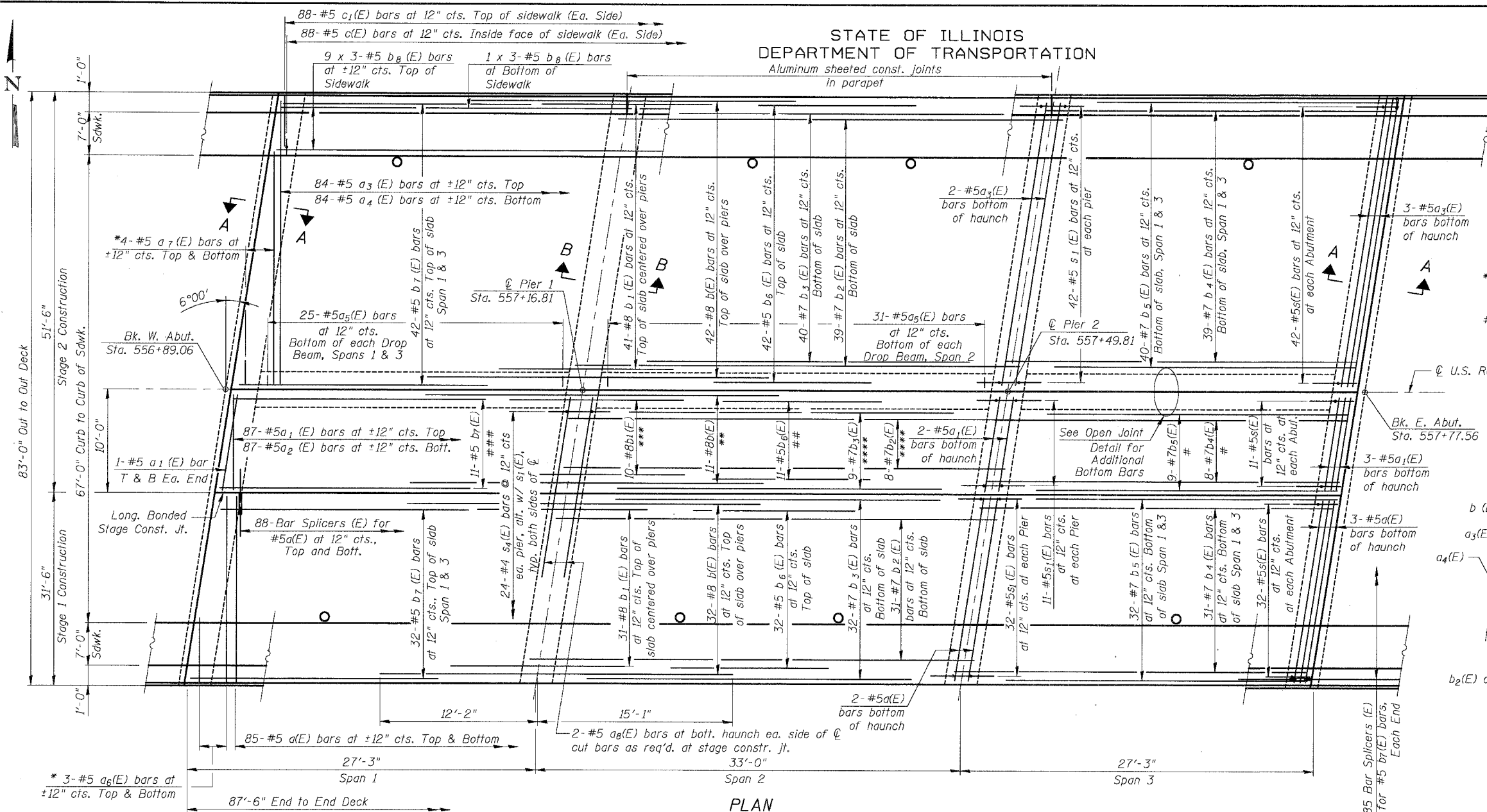
(Looking Upstation)



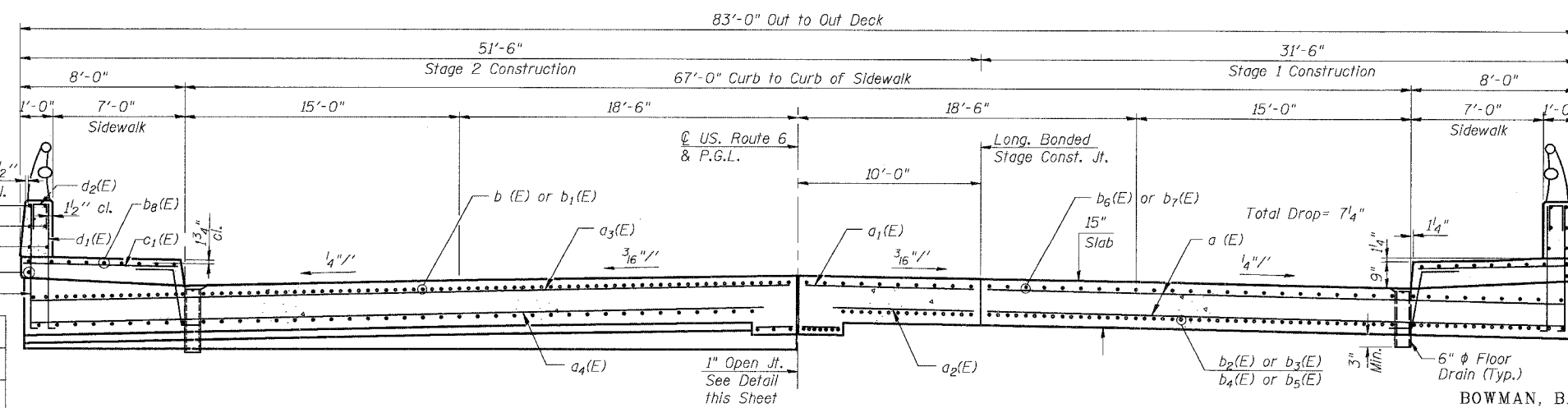
DETAIL "A"

SUPERSTRUCTURE PLAN
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



PLAN



CROSS SECTION

(Looking Upstation)

* Order a6(E) and a7(E) bars full length. Cut to fit skew and use remainder of bars in opposite end.

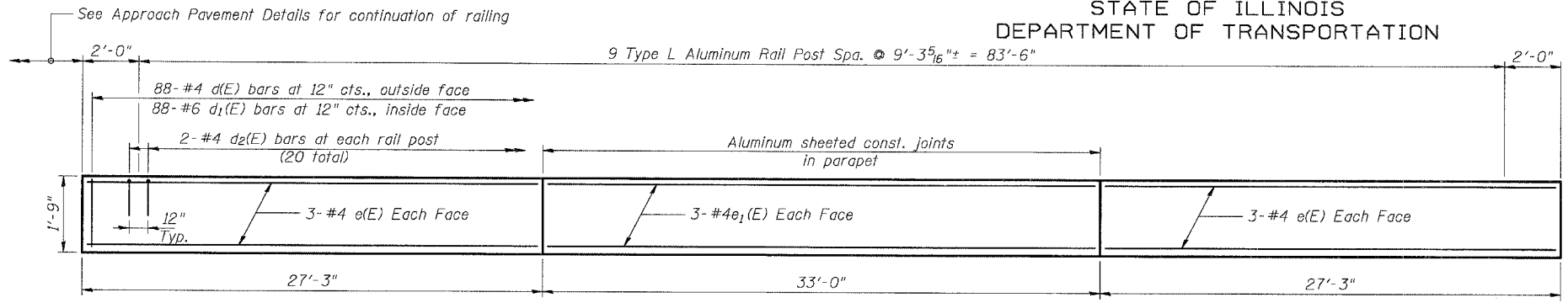
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CHECKED	MRM
DRAWN	UM
CHECKED	BLU

DATE: 10/25/05

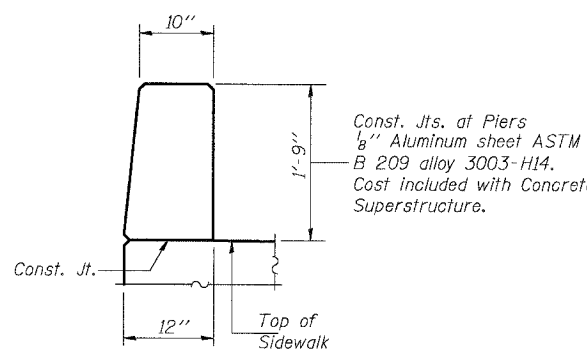
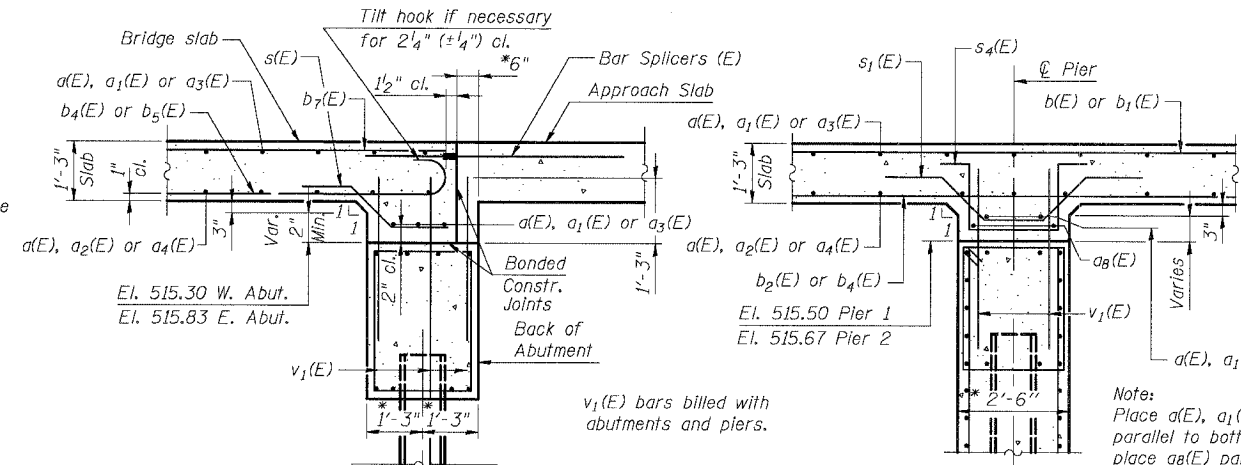
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET	PAGE	SHEET NO. 56 OF 514 SHEETS
6-GR-1	①	GRUNDY	58	36	
FED. ROAD DIST. NO. 7					68563

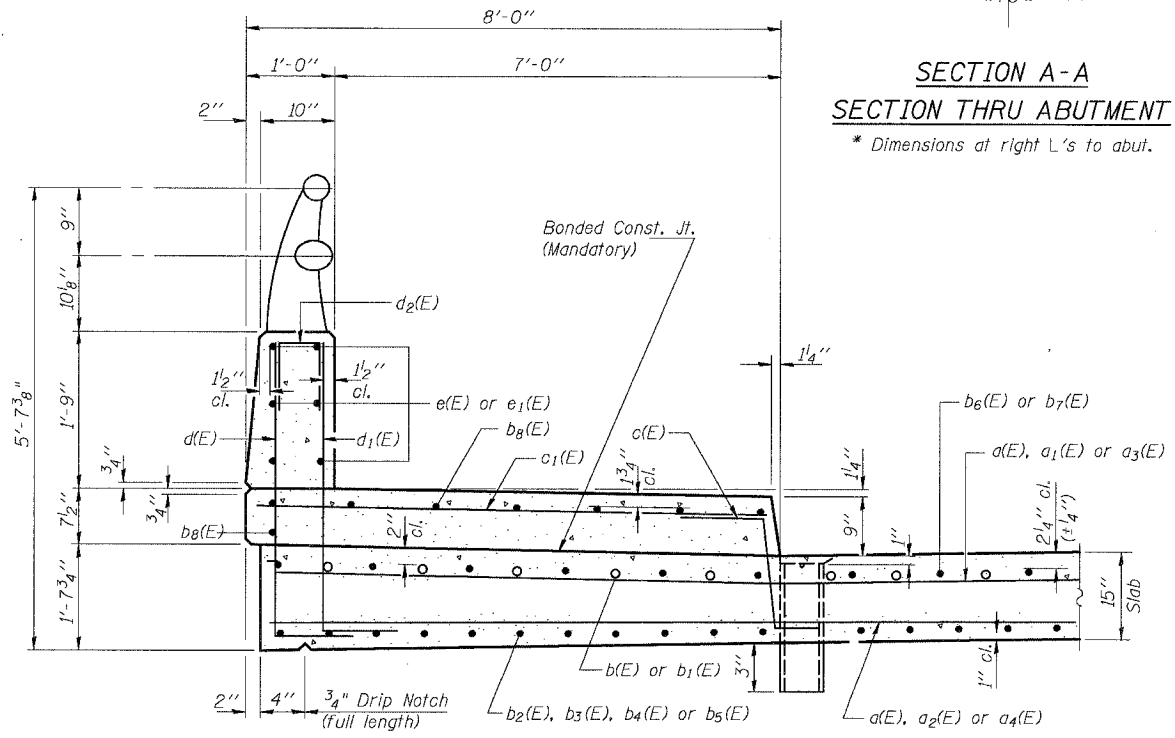


INSIDE ELEVATION OF PARAPET



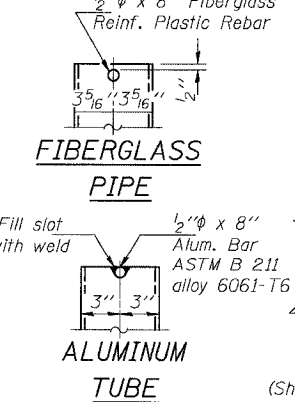
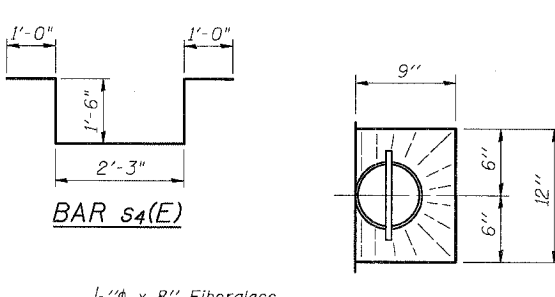
PARAPET JOINT DETAILS

SECTION A-A
SECTION THRU ABUTMENT

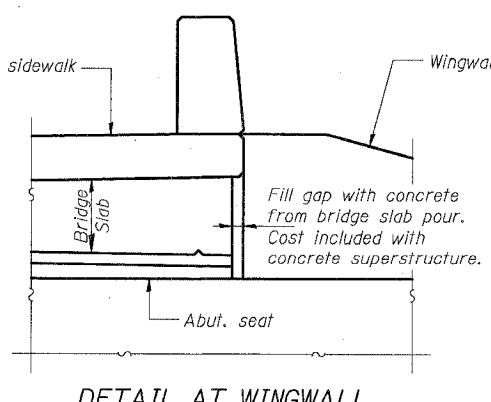
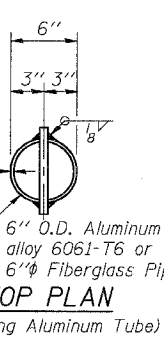


SECTION THRU SIDEWALK

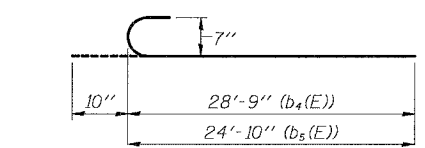
SECTION B-B
SECTION THRU PIERS



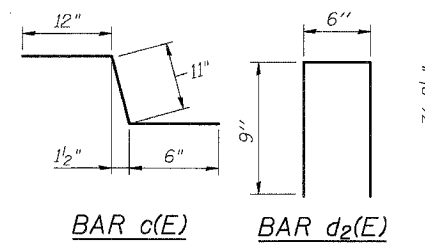
TOP PLAN



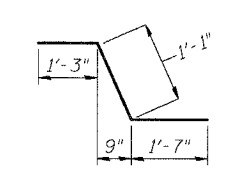
DETAIL AT WINGWALL



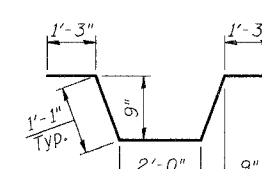
BARS b4(E) & b5(E)



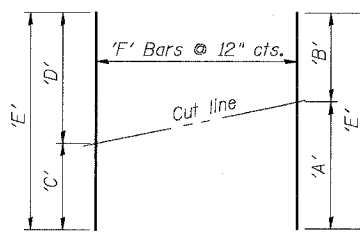
BARS d(E) & d1(E)



BAR s(E)



BAR s1(E)



CUTTING DIAGRAM
BARS a6(E) & a7(E)

Bar	'A'	'B'	'C'	'D'	'E'	'F'
a6(E)	21'-8"	3'-0"	3'-0"	21'-8"	24'-8"	3
a7(E)	31'-8"	3'-5"	3'-5"	31'-8"	35'-1"	4

**Order a6(E) & a7(E) bars full length. Cut to fit as shown and use remainder as indicated on Sheet S5.

SUPERSTRUCTURE
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	180	#5	31'-1"	—
a1(E)	101	#5	9'-9"	—
a2(E)	87	#5	7'-9"	—
a3(E)	94	#5	41'-1"	—
a4(E)	84	#5	39'-1"	—
a5(E)	162	#5	2'-3"	—
a6(E)	6	#5	24'-8"	—
a7(E)	8	#5	35'-1"	—
a8(E)	8	#5	24'-0"	—
b(E)	170	#8	27'-3"	—
b1(E)	164	#8	13'-6"	—
b2(E)	84	#7	36'-8"	—
b3(E)	89	#7	25'-2"	—
b4(E)	168	#7	29'-7"	—
b5(E)	178	#7	25'-8"	—
b6(E)	85	#5	12'-6"	—
b7(E)	170	#5	19'-8"	—
b8(E)	60	#5	30'-7"	—
c(E)	176	#5	2'-5"	—
c1(E)	176	#5	7'-8"	—
d(E)	176	#4	4'-7"	—
d1(E)	176	#6	4'-7"	—
d2(E)	40	#4	2'-0"	—
e(E)	24	#4	27'-0"	—
e1(E)	12	#4	32'-9"	—
s(E)	170	#5	3'-11"	—
s1(E)	170	#5	6'-8"	—
s4(E)	96	#4	7'-3"	—
Reinforcement Bars, Epoxy Coated	Pound		77,900	
Concrete Superstructure	Cu. Yds.		422.5	
Bar Splicers	Each		346	
Protective Coat	Sq. Yd.		855	
Bridge Deck Grooving	Sq. Yd.		632	
Floor Drains	Each		8	

Reinforcement bars designated (E) shall be epoxy coated.

SUPERSTRUCTURE DETAILS
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



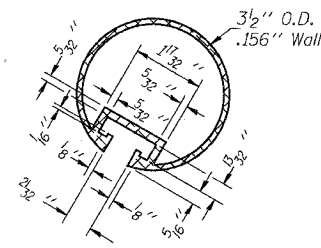
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CHECKED	MRM
DRAWN	UM/ESP
CHECKED	BLU

DATE: 10/25/05

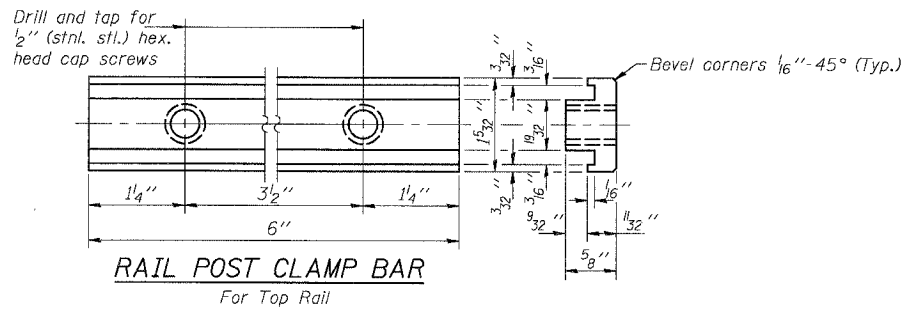
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 57
U.S. 6	①	GRUNDY	50	37	OF 514 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			
G-BR-1			66563		

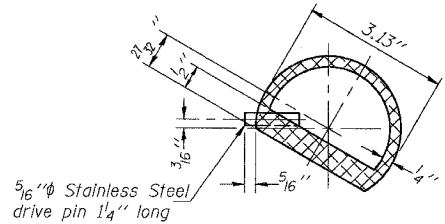


SECTION THRU TOP RAIL

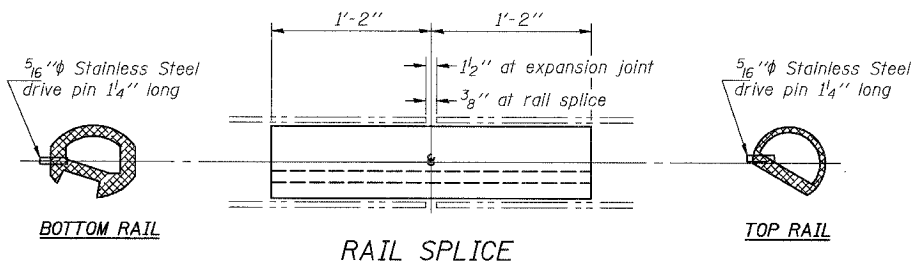


RAIL POST CLAMP BAR
For Top Rail

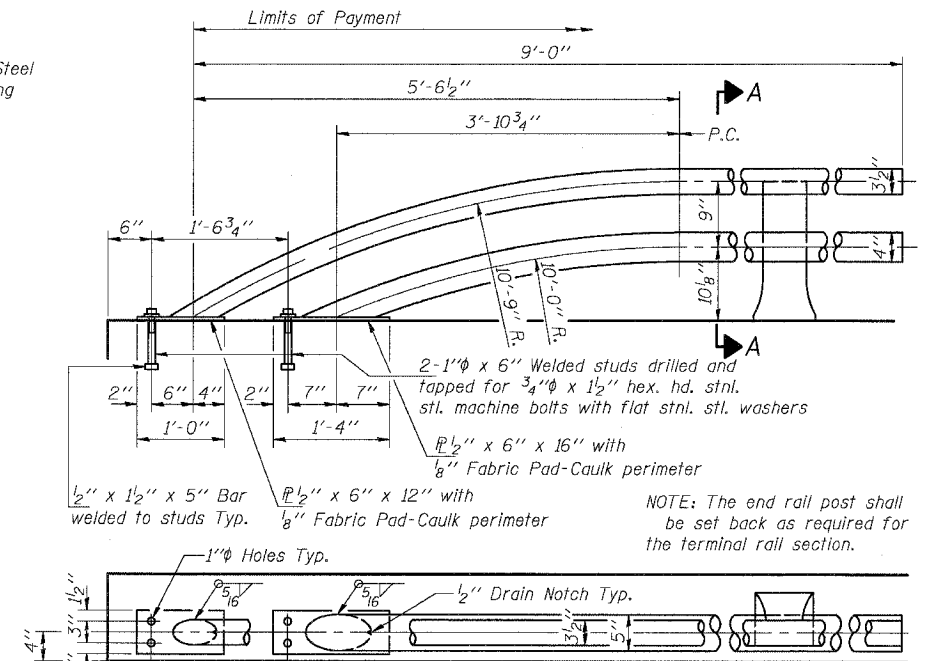
Notes: All Posts shall be normal to parapet.
All Aluminum Alloy Extruded Rail shall be supplied in modular lengths of 30 feet, except at the end of bridge or over open joints in bridge deck where the rail shall be attached to a minimum of 2 posts. If the rail is on a horizontal curve of 2300 foot radius or less, the modular lengths may be reduced but shall be attached to a minimum of 2 posts.
All joints in rail shall be spliced per detail.
Provide 1-1/8" and 2-1/16" Aluminum Shims for 25% of the Posts.
Rail elements shall be parallel to Grade-high spots will be ground and low spots shimmed.
Railing shall be according to Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for ALUMINUM RAILING, TYPE L.
Aluminum alloy rail shall conform to ASTM B 221 alloy 6061-T6 or 6351-T5 with min. yield 35 ksi, min. tensile 38 ksi, and elongation of 10% in 2 inches.



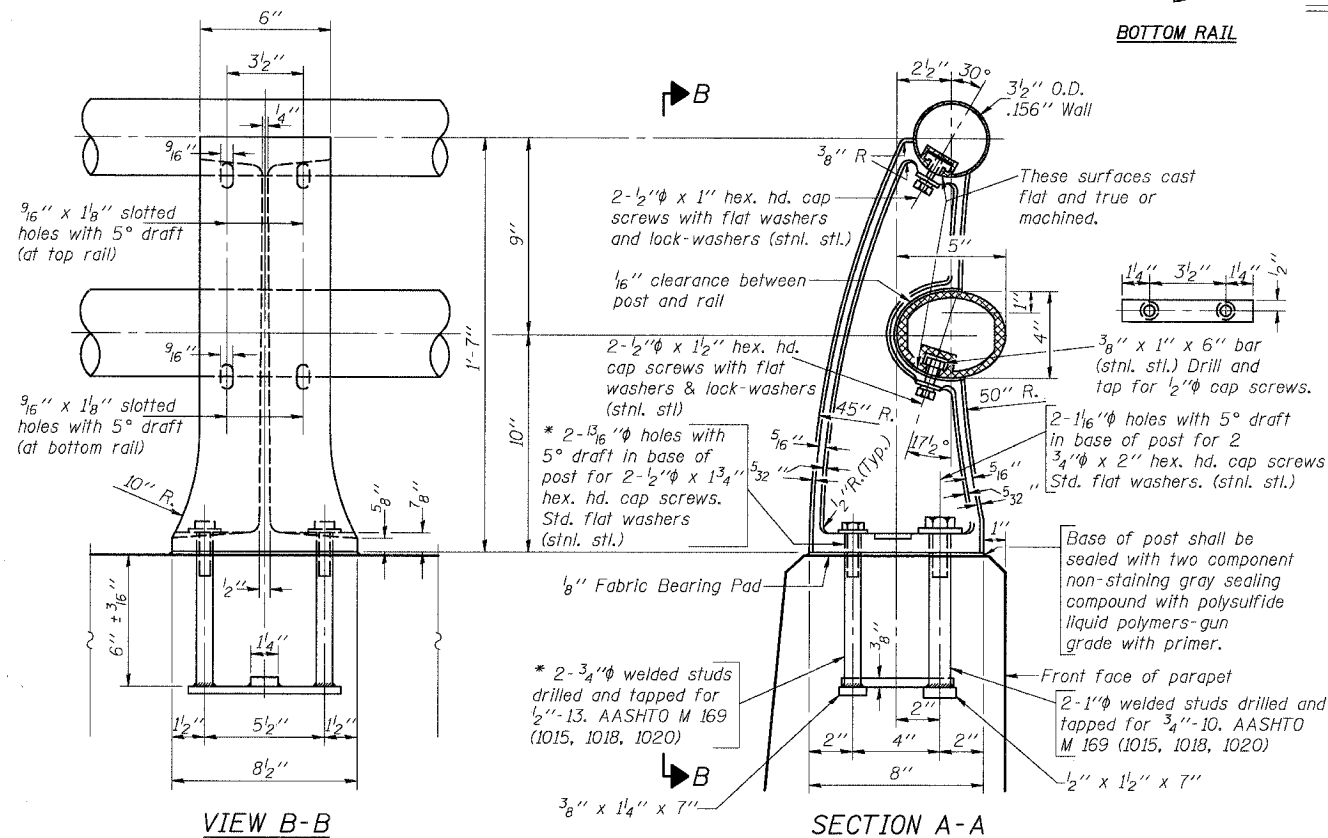
SECTION THRU SPLICE
TOP RAIL



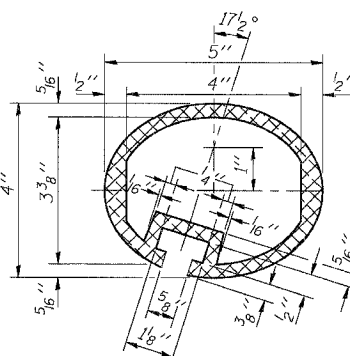
RAIL SPLICE



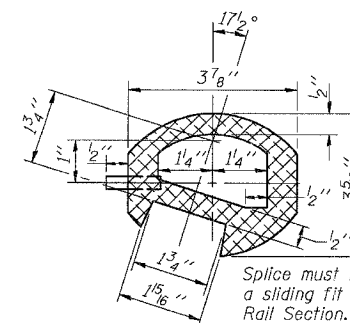
RAIL TERMINAL SECTION



RAIL POST DETAILS



SEC. THRU ELLIPTICAL
RAIL SECTION



SEC. THRU SPLICE

BILL OF MATERIAL

Item	Unit	Quantity
Aluminum Railing, Type L	Foot	211

TYPE L ALUMINUM RAILING
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

BOWMAN, BARRETT
& ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541

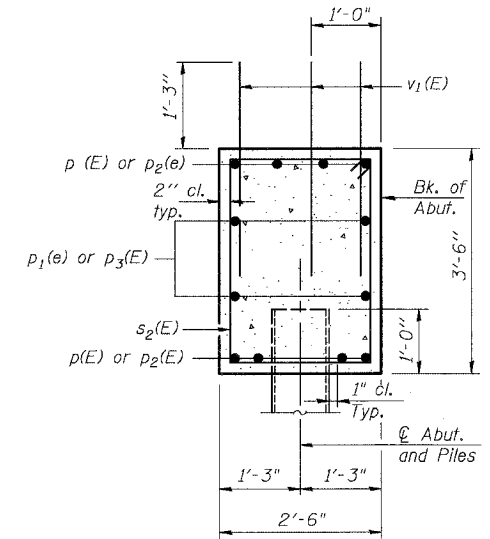
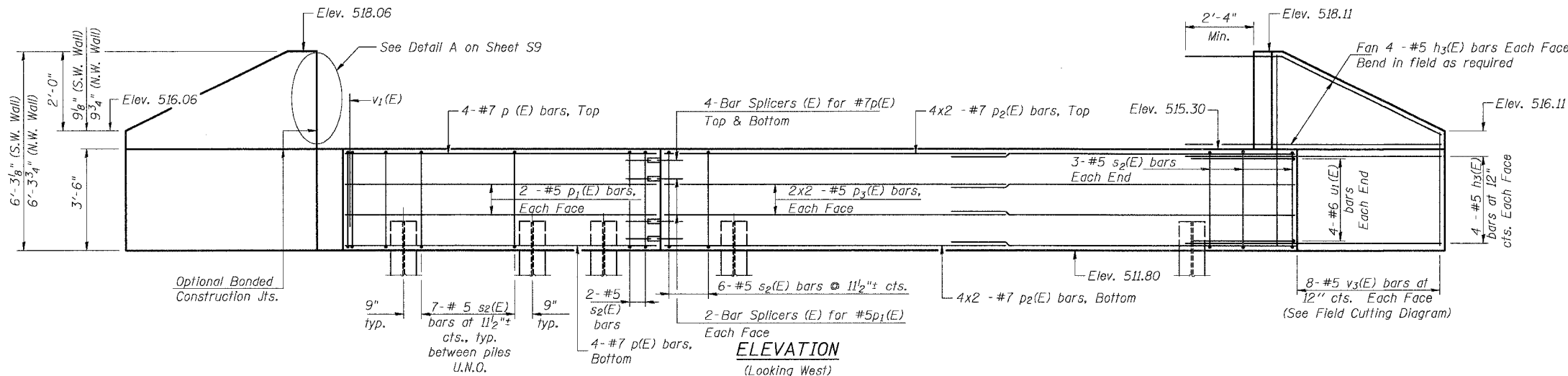


DESIGNED	UM
CHECKED	BLU
DRAWN	UM
CHECKED	BLU
R-20	9-01-03

* In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and epoxy grouting stainless steel anchor rods of the same diameter and grade as the specified cap screws. Embedment shall be according to the manufacturer's specifications.

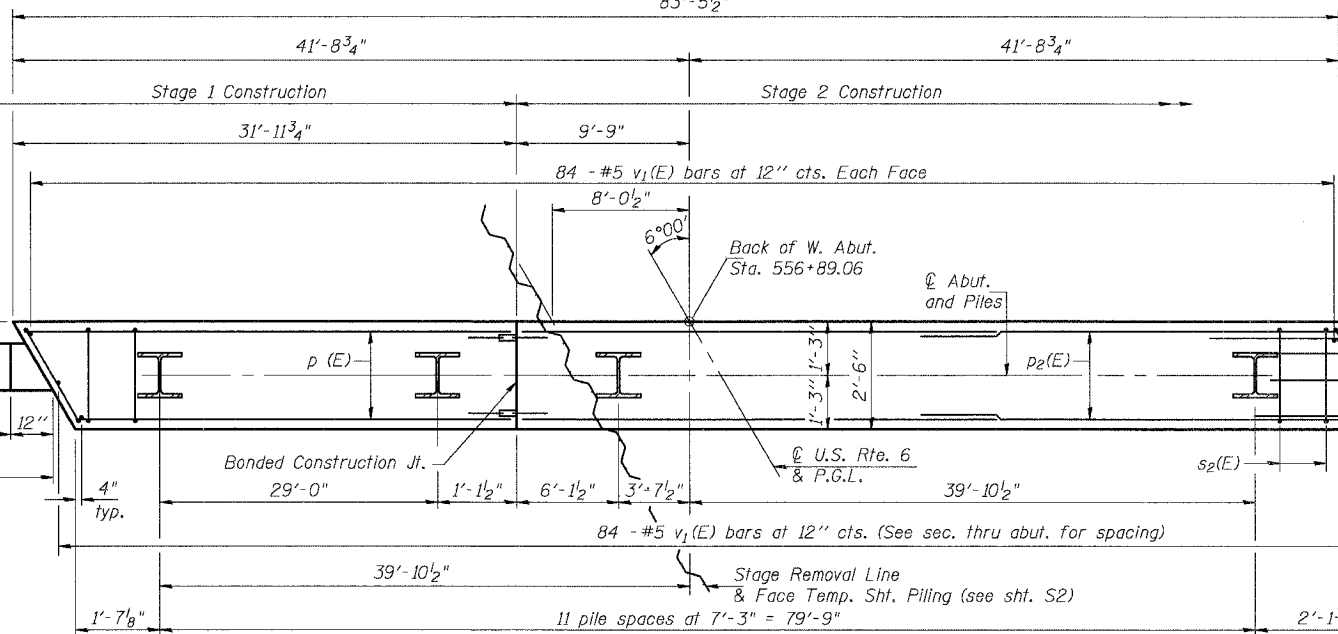
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	FEED SHEETS	SHEET NO.	SHEET NO. SB
66563	①	GRUNDY	50	38	OF 514 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			
① G-BR-1				66563	



PILE DATA

Type: Steel HP10x42
Capacity: Driven to Refusal
Est. Length: 37'
No. Required: 11+1 Test Pile

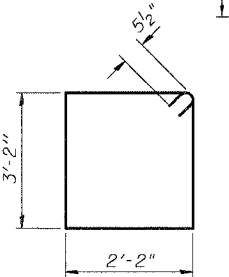
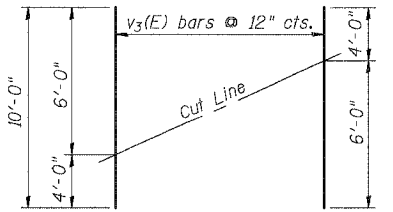
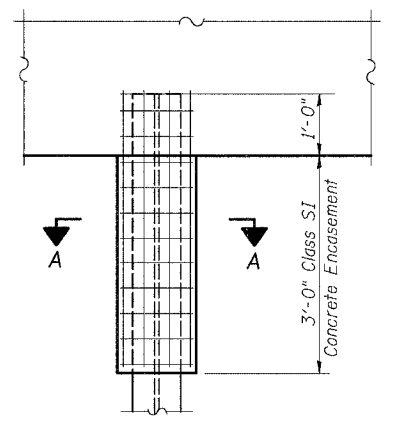
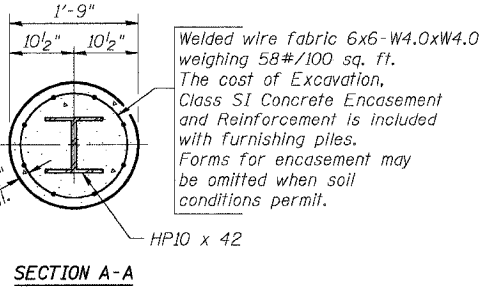


**SEC. THRU ABUT.
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h3(E)	32	#5	9'-3"	—
p(E)	8	#7	31'-3"	—
p1(E)	4	#5	31'-3"	—
p2(E)	16	#7	28'-1"	—
p3(E)	8	#5	26'-9"	—
s2(E)	84	#5	11'-7"	□
u1(E)	8	#6	7'-2"	┌
v1(E)	252	#5	3'-5"	—
v3(E)	16	#5	10'-0"	—
Concrete Structures		Cu. Yd.	29.8	
Reinforcement Bars, Epoxy Coated		Pound	4270	
Structure Excavation		Cu. Yd.	81	
Furnishing Steel Piles HP10x42		Foot	407	
Test Piles Steel HP10x42		Each	1	
Driving Steel Piles		Foot	407	
Bar Splicers		Each	12	

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
All piles shall be encased per the Pile Encasement Detail on this Sheet.
Bars indicated thus 4 x 2 - #7(E) etc. indicate 4 lines of bars with 2 lengths per line.

**WEST ABUTMENT
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108**



DESIGNED	UM
CHECKED	BLU
DRAWN	UM/EBP
CHECKED	BLU

DATE: 11/24/05

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541

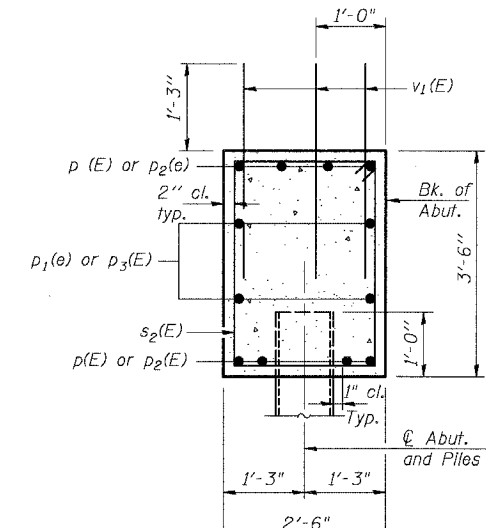
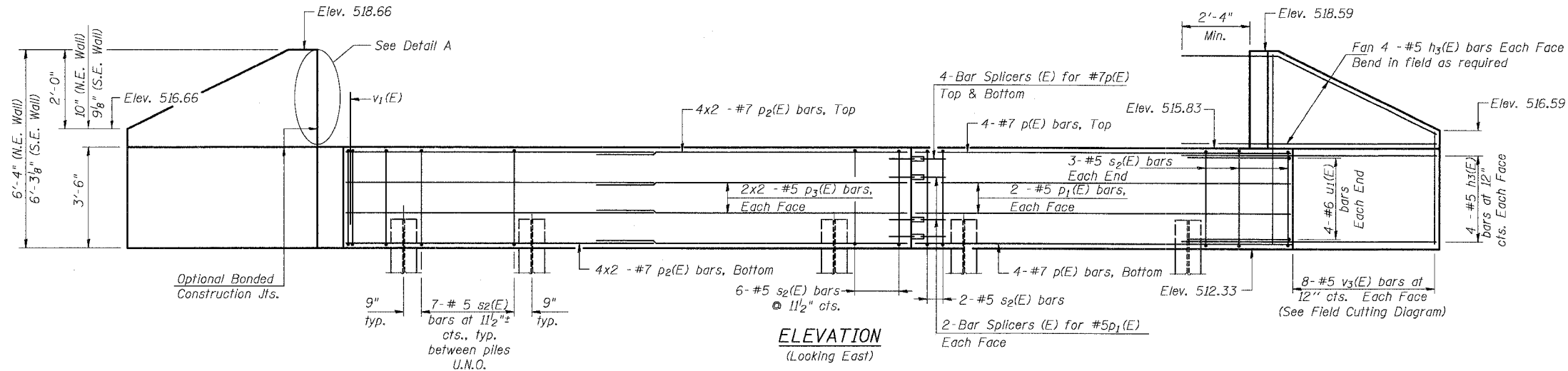


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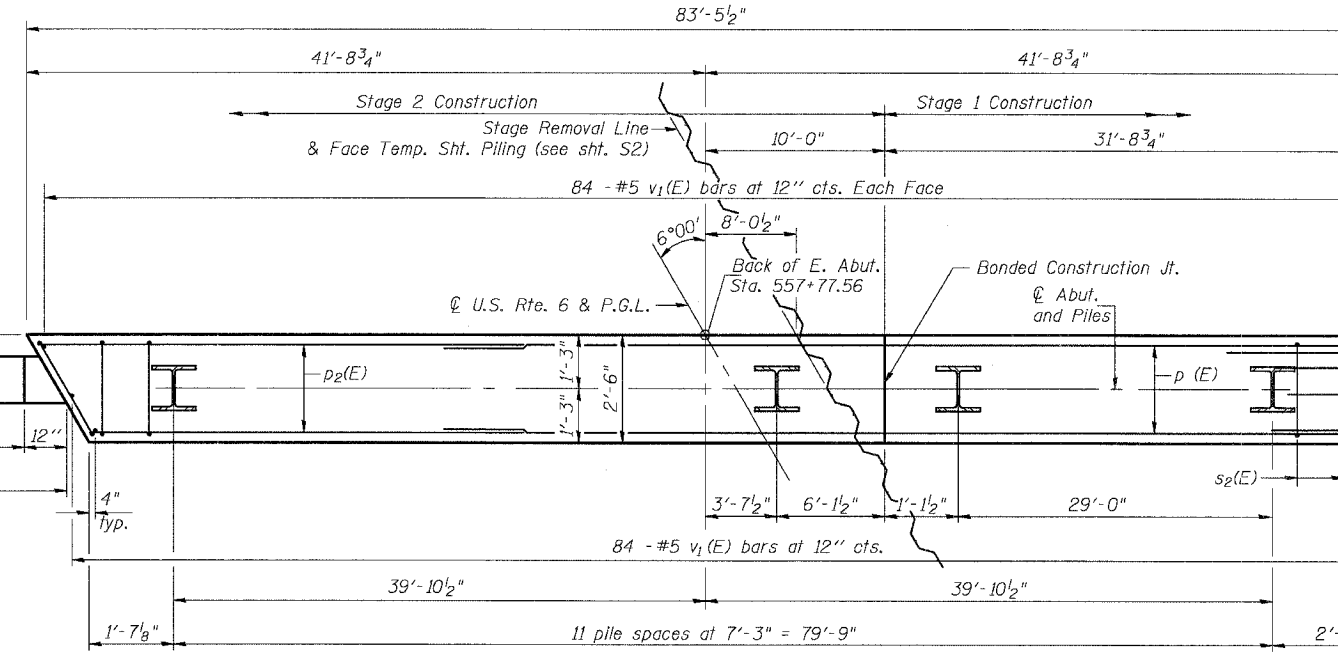
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	ISLAND SHEETS	SHEET NO.	SHEET NO. 59
S.B.L.	①	GRUNDY	50	39	OF 514 SHEETS
F.A.U. NO.					
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			

① G-BR-1 66563



PILE DATA
Type: Steel HP10x42
Capacity: Driven to Refusal
Est. Length: 31'
No. Required: 12



MIN. BAR LAP
#5 2'-2"
#7 4'-10"

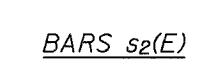
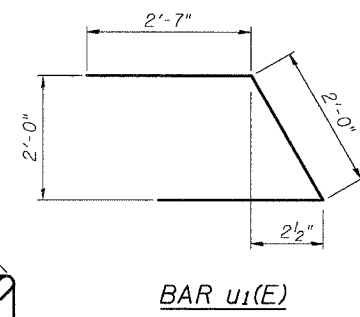
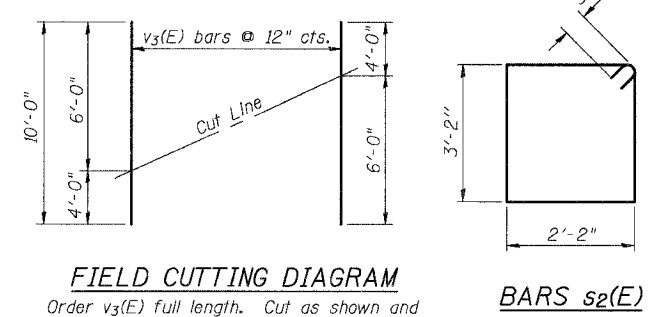
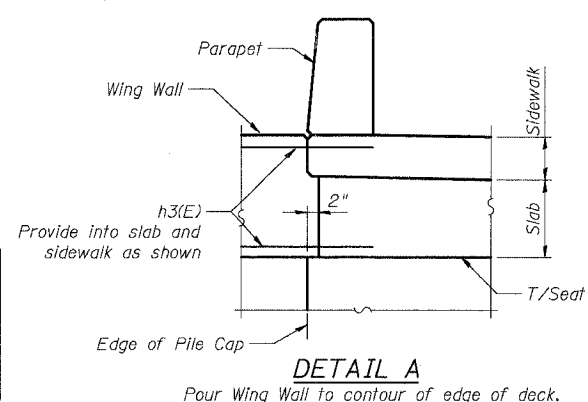
SEC. THRU ABUT.

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	32	#5	9'-3"	
p(E)	8	#7	31'-3"	
p1(E)	4	#5	31'-3"	
p2(E)	16	#7	28'-1"	
p3(E)	8	#5	26'-9"	
s2(E)	84	#5	11'-7"	□
u1(E)	8	#6	7'-2"	▽
v1(E)	252	#5	3'-5"	
v3(E)	16	#5	10'-0"	
Concrete Structures				Cu. Yd. 29.8
Reinforcement Bars, Epoxy Coated				Pound 4270
Structure Excavation				Cu. Yd. 96
Furnishing Steel				Foot 372
Piles HP10x42				Foot 372
Driving Steel Piles				Foot 372
Bar Splicers				Each 12

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
All piles shall be encased per the Pile Encasement Detail on Sheet S8.
Bars indicated thus 4 x 2-#7(E) etc. indicate 4 lines of bars with 2 lengths per line.

DESIGNED	UM
CHECKED	BLU
DRAWN	UM/EBP
CHECKED	BLU



BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541

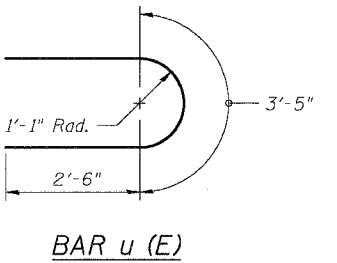
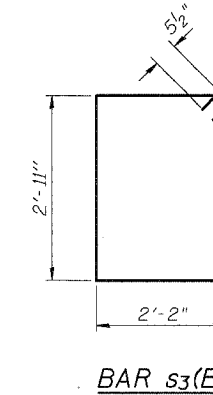
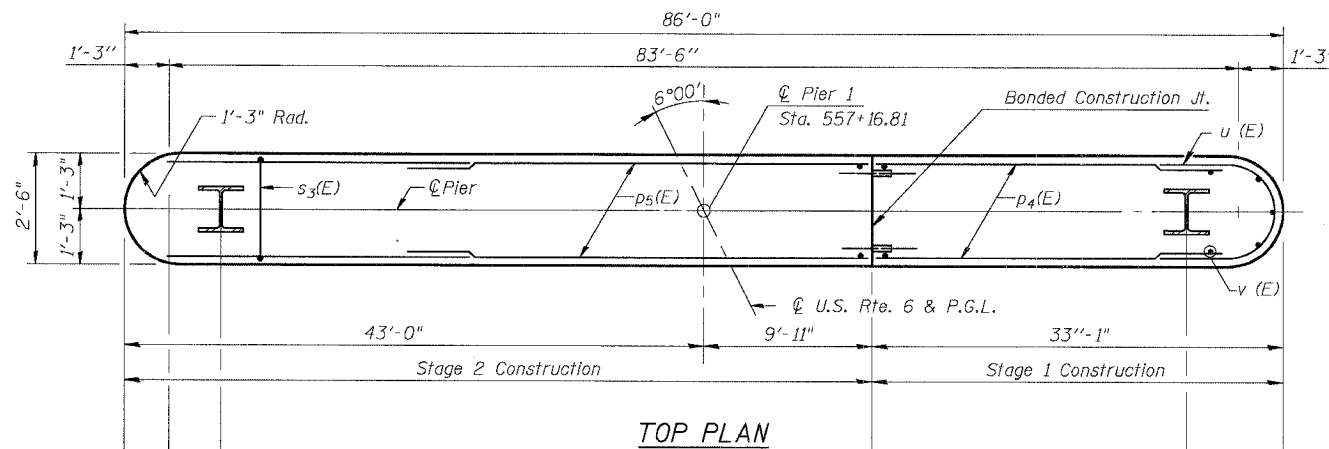
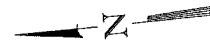
EAST ABUTMENT
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. S10
FAU 5952	①	GRUNDY	52	42	OF S14 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT			
			G-BR-1	66563	

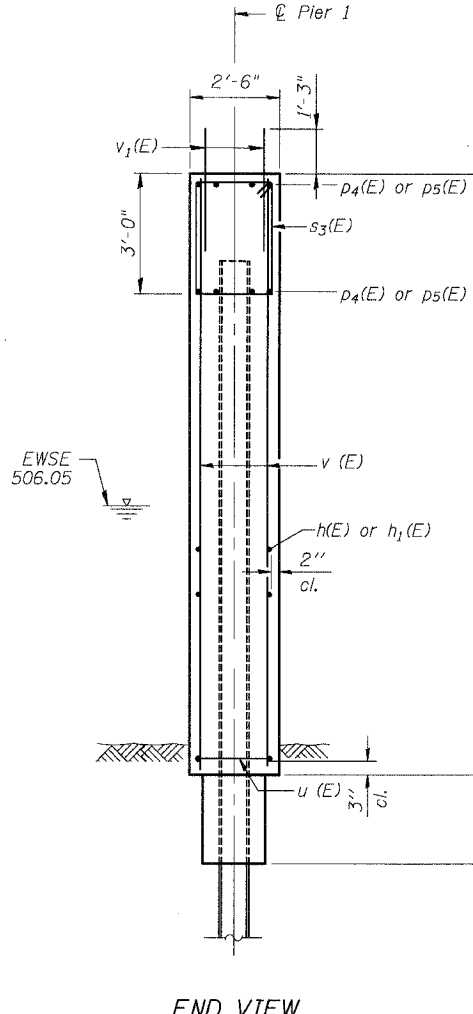
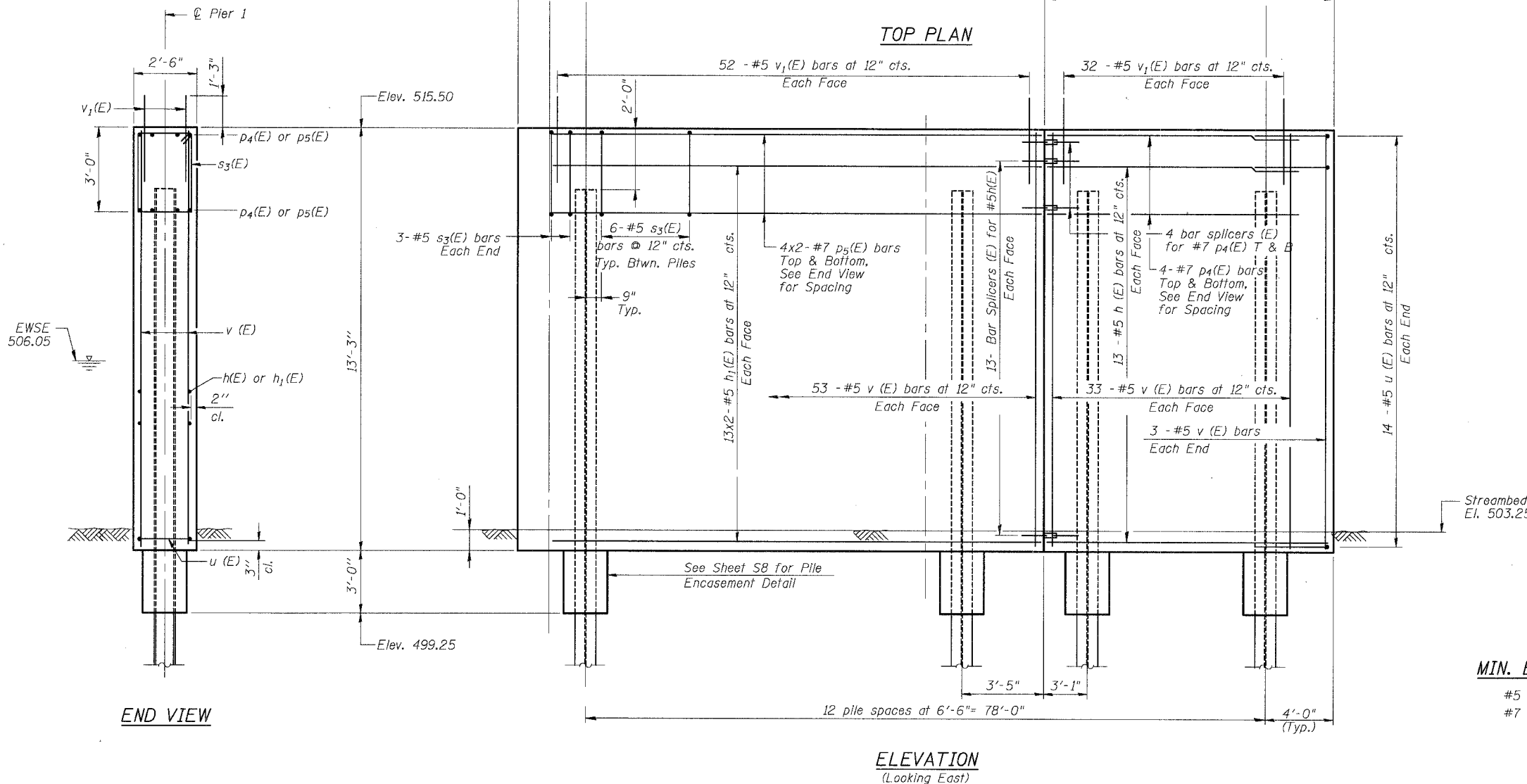
PILE DATA

Type: Steel HP 10x42
Capacity: Driven to Refusal
Est. Length: 35'
No. Req'd: 13



BILL OF MATERIAL

Bar	No.	Size	Length	Shape	
h (E)	26	# 5	31'-7"	—	
h ₁ (E)	52	# 5	26'-11"	—	
p ₄ (E)	8	# 7	31'-7"	—	
p ₅ (E)	16	# 7	28'-2"	—	
s ₃ (E)	78	# 5	11'-1"	□	
u (E)	28	# 5	8'-5"	U	
v (E)	178	# 5	12'-10"	—	
v ₁ (E)	168	# 5	3'-5"	—	
Concrete Structures				Cu. Yd.	104.9
Reinforcement Bars, Epoxy Coated				Pound	7890
Furnishing Steel Piles HP10x42				Foot	455
Driving Steel Piles				Foot	455
Bar Splicers				Each	34
Underwater Structure Excavation Protection, Location 1				Each	1



MIN. BAR LAP

#5	2'-2"
#7	4'-10"

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 14 x 2-#5 etc. indicate 14 lines of bars with 2 lengths per line.
All piles shall be encased per the Pile Encasement Detail on Sheet S8.
Tremie concrete shall be used below the water level.

PIER 1
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



DESIGNED	UM
CHECKED	BLU
DRAWN	EBP
CHECKED	BLU

DATE: 10/25/85

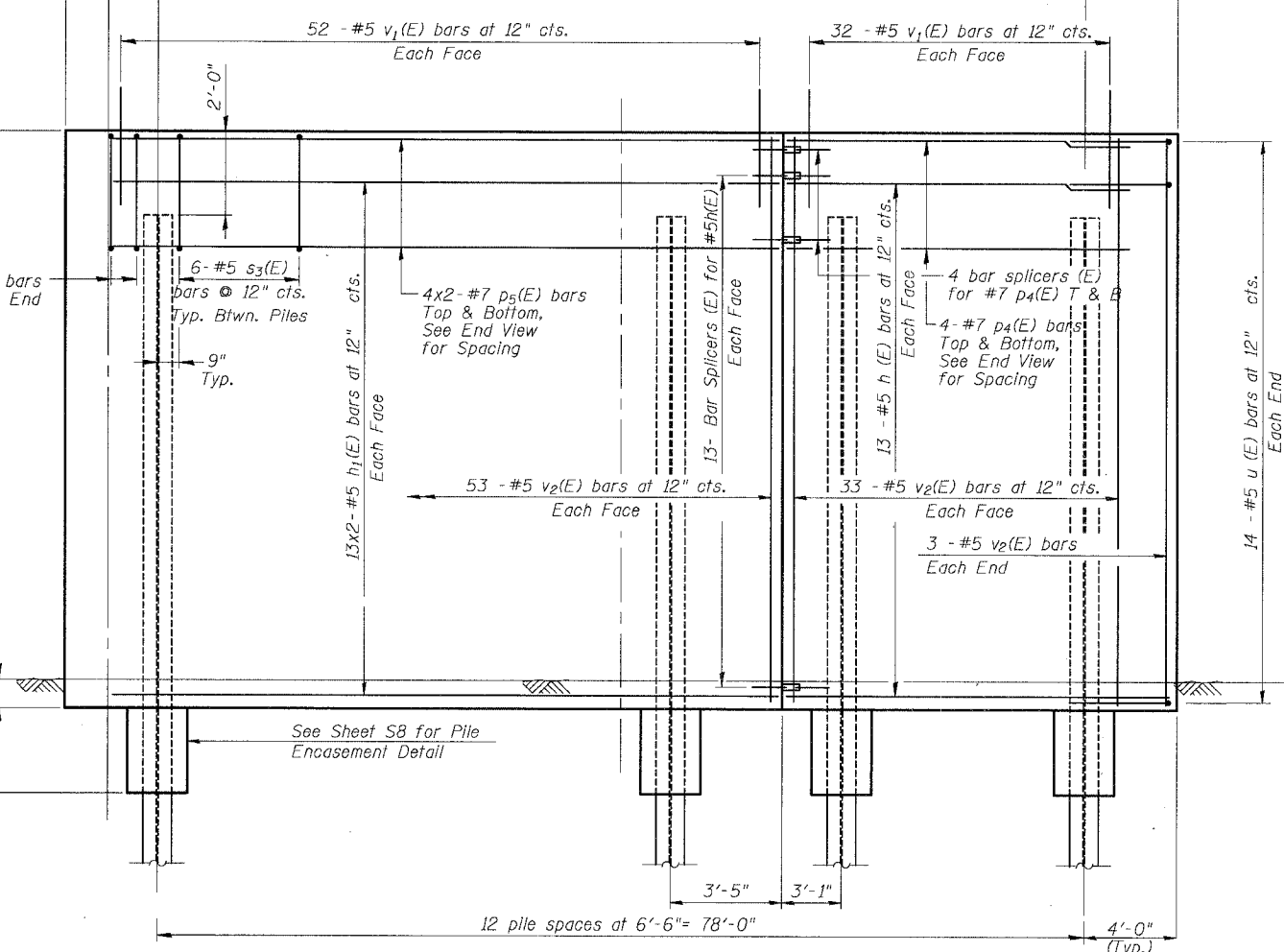
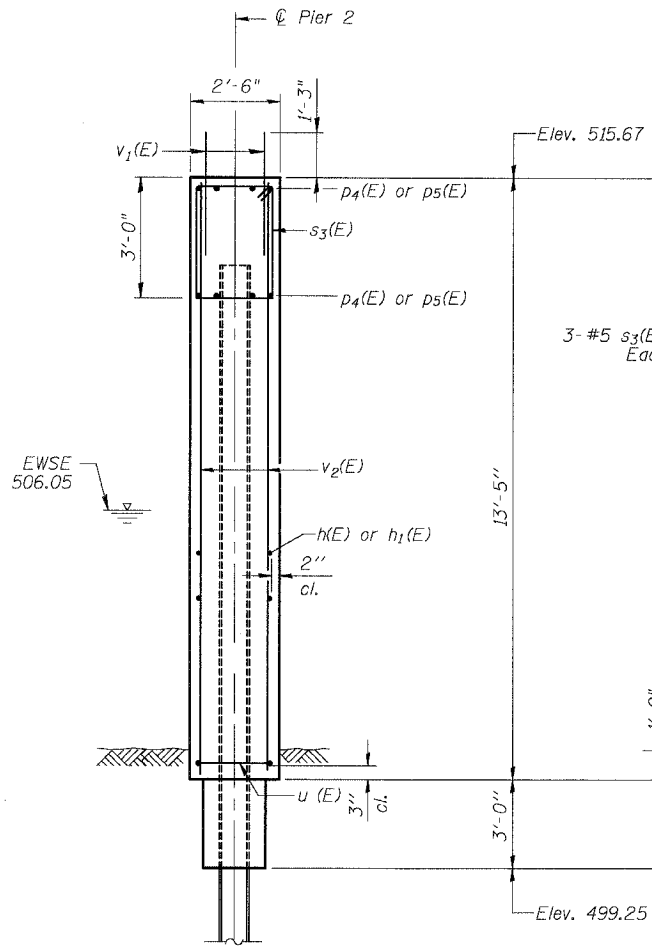
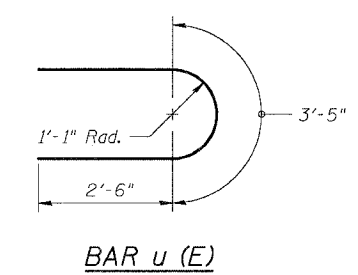
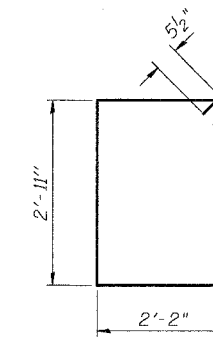
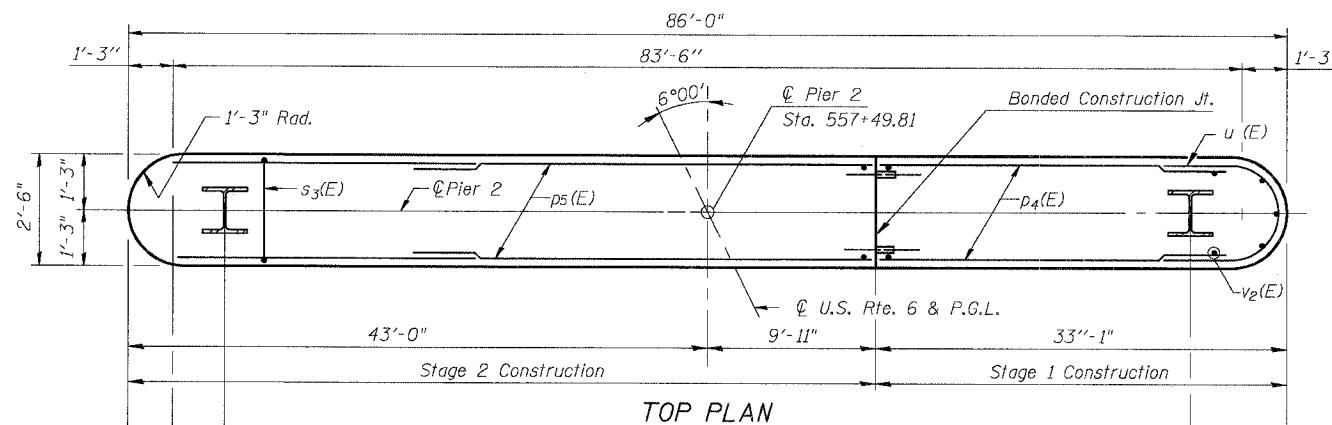
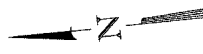
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO. S11
FAU 5952	①	GRUNDY	58	41
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		OF 514 SHEETS
			① G-BR-1	66563

PILE DATA

Type: Steel HP 10x42
Capacity: Driven to Refusal
Est. Length: 33'
No. Req'd: 12 + 1 Test Pile



BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h (E)	26	# 5	31'-7"	—
h1(E)	52	# 5	26'-11"	—
p4(E)	8	# 7	31'-7"	—
p5(E)	16	# 7	28'-2"	—
s3(E)	78	# 5	11'-1"	□
u (E)	28	# 5	8'-5"	U
v2(E)	178	# 5	13'-0"	—
v1(E)	168	# 5	3'-5"	—
Concrete Structures		Cu. Yd.	106.2	
Reinforcement Bars, Epoxy Coated		Pound	7920	
Furnishing Steel Piles HP10x42		Foot	396	
Test Pile Steel HP10x42		Each	1	
Driving Steel Piles HP10x42		Foot	396	
Bar Splicers		Each	34	
Underwater Structure Excavation Protection, Location 2		Each	1	

Notes:
Reinforcement bars designated (E) shall be epoxy coated.
Bars indicated thus 14 x 2-#5 etc. indicate 14 lines of bars with 2 lengths per line.
All piles shall be encased per the Pile Encasement Detail on Sheet S8.
Tremie concrete shall be used below the water level.

MIN. BAR LAP

#5	2'-2"
#7	4'-10"

DESIGNED	UM
CHECKED	BLU
DRAWN	EBP
CHECKED	BLU

DATE: 12/25/05

BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



PIER 2
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. S13
FAU 5952	①	GRUNDY	52	43	OF S14 SHEETS
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-			
				G-BR-1	66563

NOTES

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.
Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.
All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.
Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.
Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

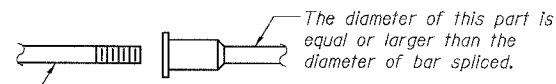
- ① Minimum Capacity = $1.25 \times f_y \times A_t$
(Tension in kips)
- ② Minimum *Pull-out Strength = $1.25 \times f_{s_{allow}} \times A_t$
(Tension in kips)

Where f_y = Yield strength of lapped reinforcement bars in ksi.
 $f_{s_{allow}}$ = Allowable tensile stress in lapped reinforcement bars in ksi (Service Load)
 A_t = Tensile stress area of lapped reinforcement bars.
* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	5.9
#5	2'-0"	23.0	9.2
#6	2'-7"	33.1	13.3
#7	3'-5"	45.1	18.0
#8	4'-6"	58.9	23.6
#9	5'-9"	75.0	30.0
#10	7'-3"	95.0	38.0
#11	9'-0"	117.4	46.8

Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."

The diameter of this part is the same as the diameter of the bar spliced.

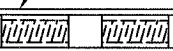


ROLLED THREAD DOWEL BAR



** ONE PIECE

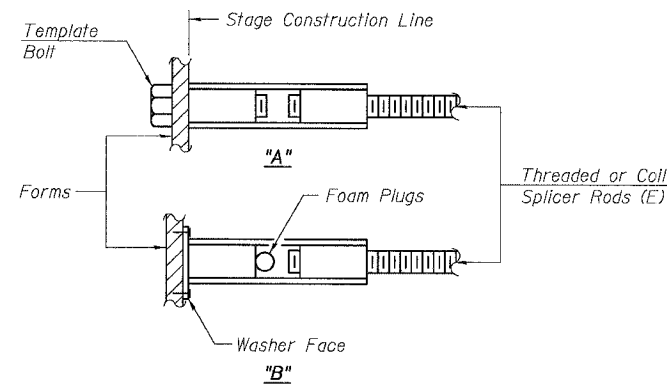
Wire Connector



WELDED SECTIONS

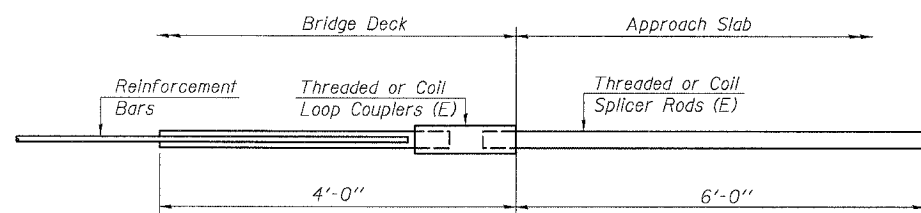
BAR SPLICER ASSEMBLY ALTERNATIVES

** Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.



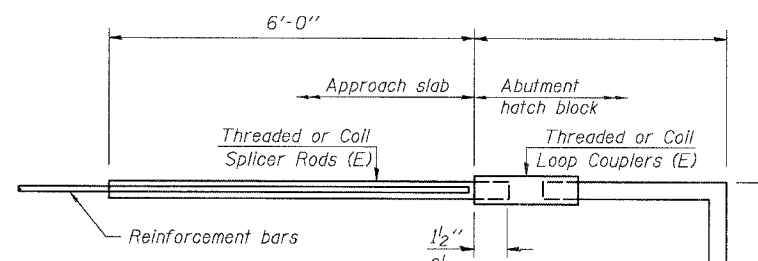
INSTALLATION AND SETTING METHODS

"A" : Set bar splicer assembly by means of a template bolt.
"B" : Set bar splicer assembly by nailing to wood forms or cementing to steel forms.
(E) : Indicates epoxy coating.



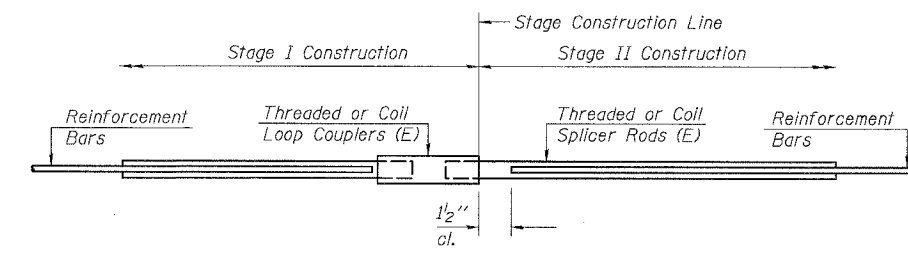
FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	9.2 kips - tension
No. Required =	170



FOR PILE BENT ABUTMENTS

Bar Splicer for #5 bar	
Min. Capacity =	23.0 kips - tension
Min. Pull-out Strength =	9.2 kips - tension
No. Required =	



STANDARD

Bar Size	No. Assemblies Required	Location
#5	176	Deck
#5	8	Abutments
#7	16	Abutments
#5	52	Piers
#7	16	Piers

BAR SPLICER ASSEMBLY DETAILS
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK

FAU 5952-SEC. G-BR-1

GRUNDY COUNTY

STATION 557+33.31

S.N. 032-0108

BOWMAN, BARRETT
& ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



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CHECKED	BLU
DRAWN	MRM
CHECKED	BLU

BSD-1 9-01-03

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	SHEET NO.
FAU 5952	G-1	GRUNDY	52	44
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT	

G-BR-1 66563

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1 Date 9/19/97

ROUTE FAU 5952 DESCRIPTION US 6 OVER EAST FORK OF NETTLE CREEK WEST OF MORRIS LOGGED BY K.W.

SECTION (G.GR) (Q) (R) (BR) (BR)-1 LOCATION SE 14, SEC. 33, TWP. 34N, RNG. 7E, 3rd PM

COUNTY GRUNDY DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO.	EXISTING	D	B	U	M	Surface Water Elev.	D	B	U	M
Station		E	P	O	S	ft	E	P	O	S
BORING NO.	1 EAST ABUT.	T	W	Q	T	Groundwater Elev.:	H	S	Q	T
Station	557+33.48	H	S	Qu	T	First Encounter	ft	ft	(%)	(%)
Offset	8.50 ft RT	ft	(ft)	(%)	(%)	Upon Completion	ft	ft	(%)	(%)
Ground Surface Elev.	517.21	ft	(ft)	(%)	(%)	After	Hrs.	ft	(ft)	(%)
BITUMINOUS CONCRETE Over Black SILTY CLAY						Very Stiff Dark Gray & Brown CLAY with Small Pieces of Gray SHALE (continued)	9	3.8	25.0	
Stiff Brown SILTY CLAY TILL						Very Stiff Gray CLAY LOAM with Thin Fine SAND Layers, Small Pieces of COAL, SANDSTONE & SHALE	4	3.0	23.0	
Medium Dark Brown SILTY CLAY LOAM						Very Stiff Gray WEATHERED SHALE	3	1.5P	21.0	
Stiff Brown SILTY CLAY						Stiff Brownish Gray CLAY LOAM	2	1.5P	20.0	
Hard Brown & Gray Varved Lake CLAY with 0.1 to 0.2" SILT Layers						Dense Gray SHALE CARBONDALE FORMATION PENNSYLVANIAN SYSTEM	4	6.2	22.0	
End of Boring							100	9.0		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Bott. of E. Abut. Cap
El. 512.33

**BORING #1
EAST ABUTMENT**

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2 Date 9/19/97

ROUTE FAU 5952 DESCRIPTION US 6 OVER EAST FORK OF NETTLE CREEK WEST OF MORRIS LOGGED BY K.W.

SECTION (G.GR) (Q) (R) (BR) (BR)-1 LOCATION SE 14, SEC. 33, TWP. 34N, RNG. 7E, 3rd PM

COUNTY GRUNDY DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO.	EXISTING	D	B	U	M	Surface Water Elev.	D	B	U	M
Station		E	P	O	S	ft	E	P	O	S
BORING NO.	2 WEST ABUT.	T	W	Q	T	Groundwater Elev.:	H	S	Q	T
Station	557+33.48	H	S	Qu	T	First Encounter	ft	ft	(%)	(%)
Offset	7.00 ft LT	ft	(ft)	(%)	(%)	Upon Completion	ft	ft	(%)	(%)
Ground Surface Elev.	516.56	ft	(ft)	(%)	(%)	After	Hrs.	ft	(ft)	(%)
BITUMINOUS PAVEMENT Over Brown SILTY CLAY TILL (FILL)						Very Stiff Gray Brown Varved LAKE CLAY (continued)	5	3.3	26.0	
Stiff Mix of Brown SILTY CLAY, Gray CLAY (WEATHERED SHALE), CINDERS, COAL, BROKEN TILE (FILL)						Medium Brown SILTY CLAY LOAM	3	0.5	25.0	
Very Stiff Brown & Gray VARVED LAKE CLAY						Hard Brown Varved LAKE CLAY with Gray SILT Seams	4	6.2	21.0	
Dense Dark Gray LOAM GRAVEL						Medium WEATHERED Gray SHALE	12	8.0	21.0	
Dense Gray SHALE							15	6.2	24.0	
End of Boring							100	9.0		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

Bott. of W. Abut. Cap
El. 511.80

**BORING #2
WEST ABUTMENT**

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 2 of 2 Date 9/19/97

ROUTE FAU 5952 DESCRIPTION US 6 OVER EAST FORK OF NETTLE CREEK WEST OF MORRIS LOGGED BY K.W.

SECTION (G.GR) (Q) (R) (BR) (BR)-1 LOCATION SE 14, SEC. 33, TWP. 34N, RNG. 7E, 3rd PM

COUNTY GRUNDY DRILLING METHOD HOLLOW STEM AUGER HAMMER TYPE AUTOMATIC

STRUCT. NO.	EXISTING	D	B	U	M	Surface Water Elev.	D	B	U	M
Station		E	P	O	S	ft	E	P	O	S
BORING NO.	2 WEST ABUT.	T	W	Q	T	Groundwater Elev.:	H	S	Q	T
Station	557+33.48	H	S	Qu	T	First Encounter	ft	ft	(%)	(%)
Offset	7.00 ft LT	ft	(ft)	(%)	(%)	Upon Completion	ft	ft	(%)	(%)
Ground Surface Elev.	516.56	ft	(ft)	(%)	(%)	After	Hrs.	ft	(ft)	(%)
Dense Gray SHALE (continued)							18	6.2	24.0	
End of Boring							100	9.0		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
BBS, from 137 (Rev. 8-99)

**SOIL BORINGS
U.S. ROUTE 6 (BEDFORD ROAD)
OVER EAST FORK OF NETTLE CREEK
FAU 5952-SEC. G-BR-1
GRUNDY COUNTY
STATION 557+33.31
S.N. 032-0108**

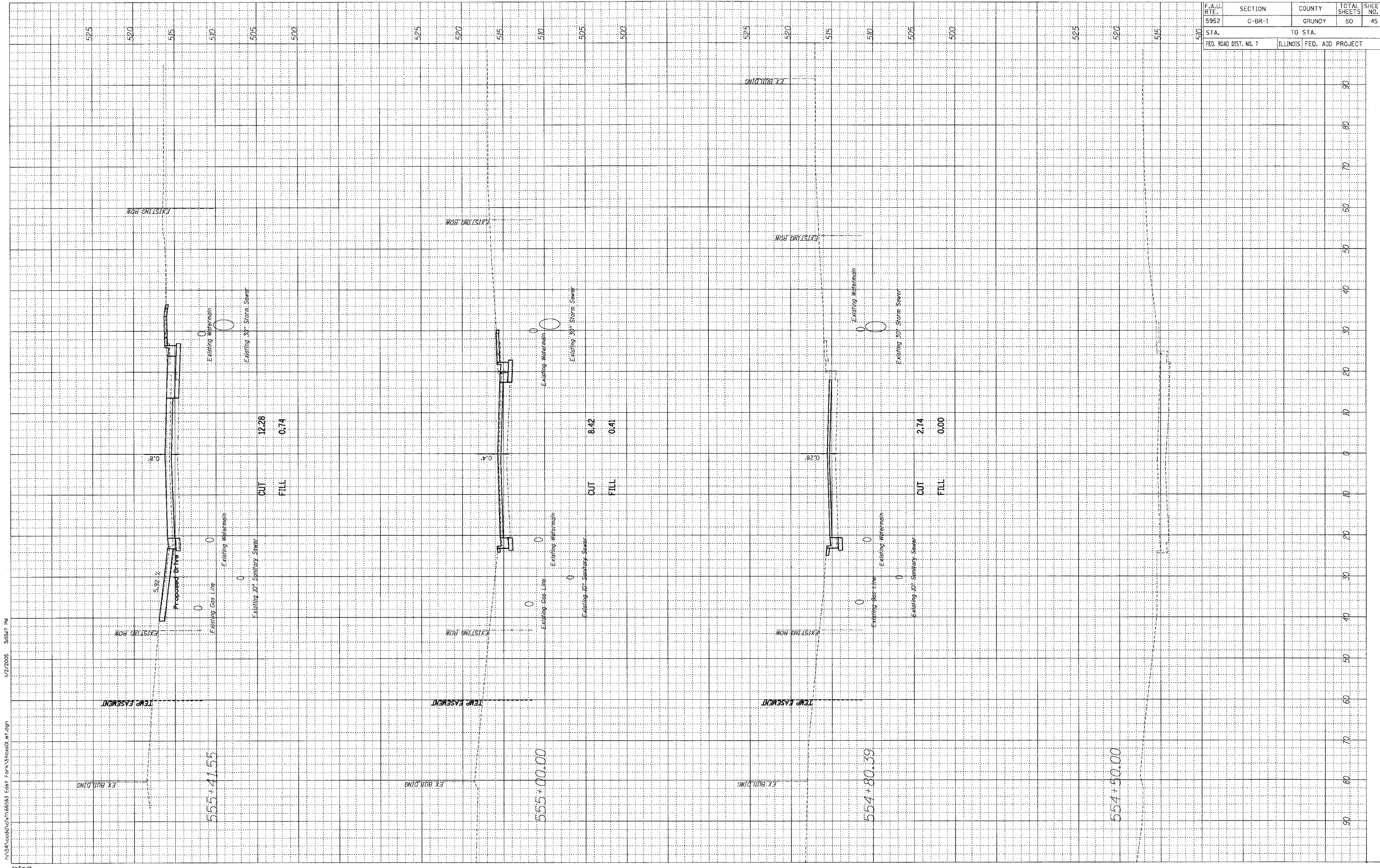
BOWMAN, BARRETT & ASSOCIATES INC.
CONSULTING ENGINEERS
130 E. RANDOLPH STREET
CHICAGO, ILLINOIS 60601
JOB NO. 541



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CHECKED	BLU
DRAWN	UM
CHECKED	BLU

DATE: 10/25/05

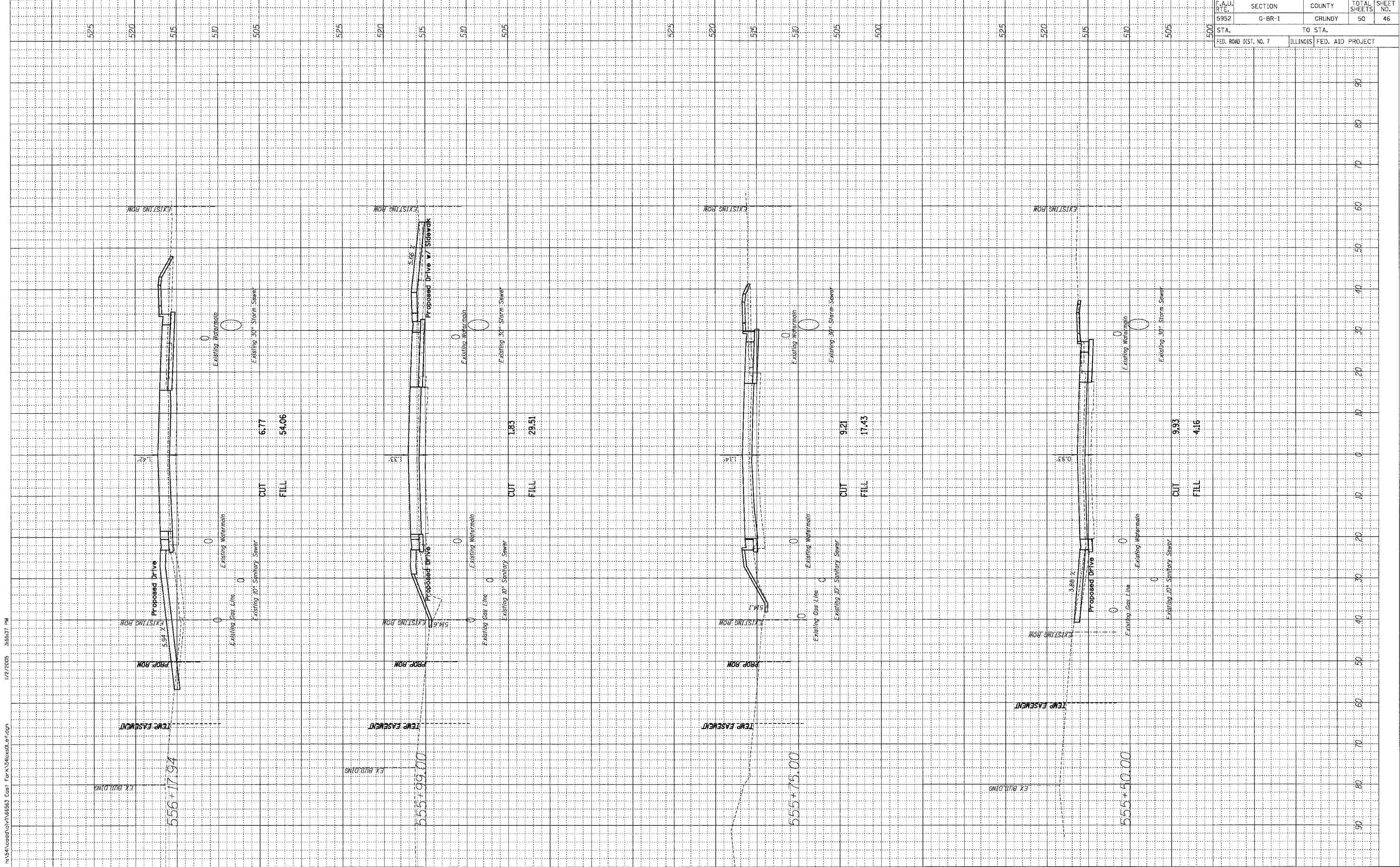
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5952	G-BR-1	GRUNDY	50	45
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	46
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



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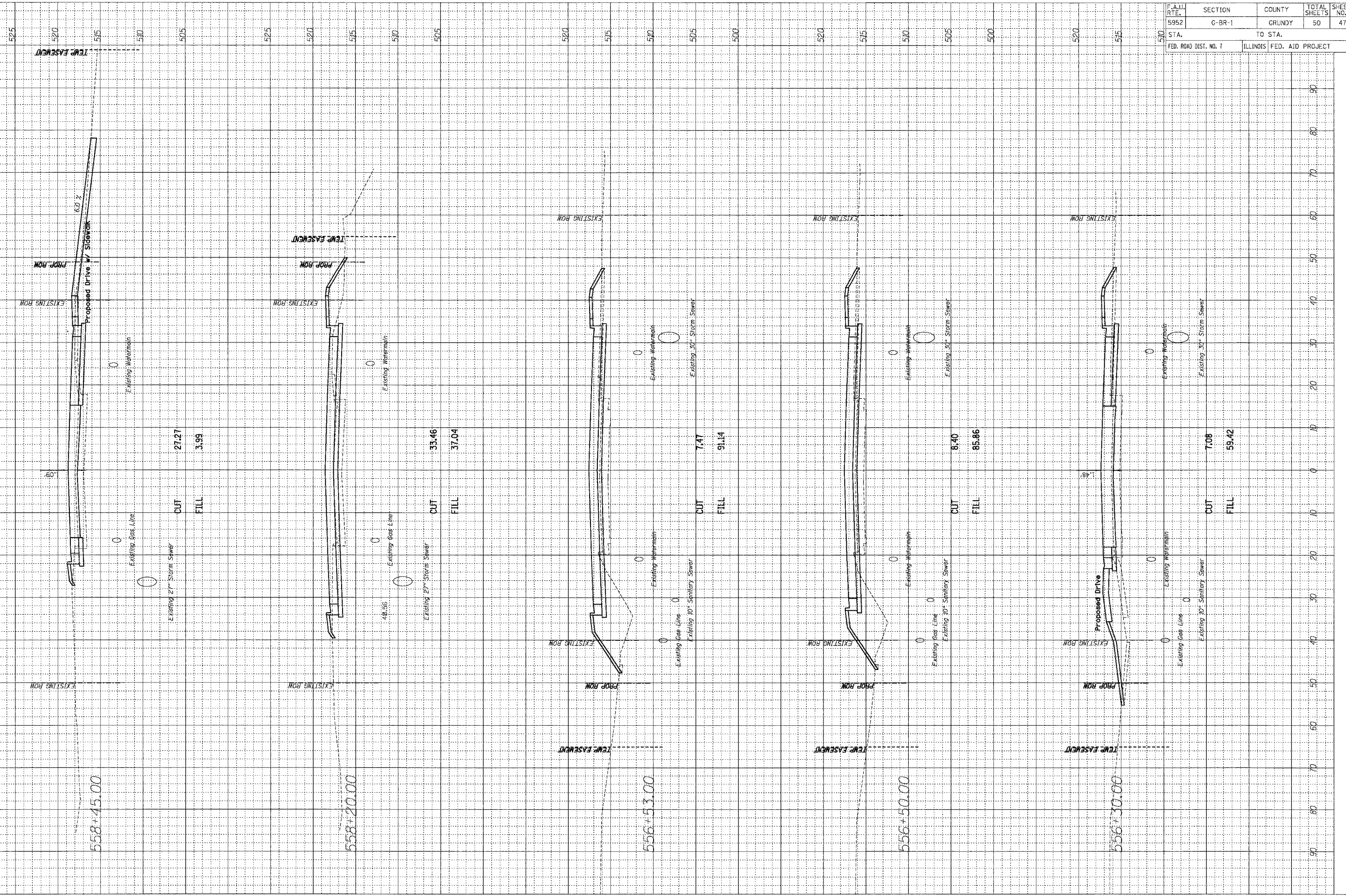
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	47
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

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default



558+45.00

558+20.00

556+53.00

556+50.00

556+30.00

Existing 27" Storm Sewer
Existing Gas Line
Existing Watermain
CUT 27.27
FILL 3.99

Existing 27" Storm Sewer
Existing Gas Line
Existing Watermain
CUT 33.46
FILL 37.04

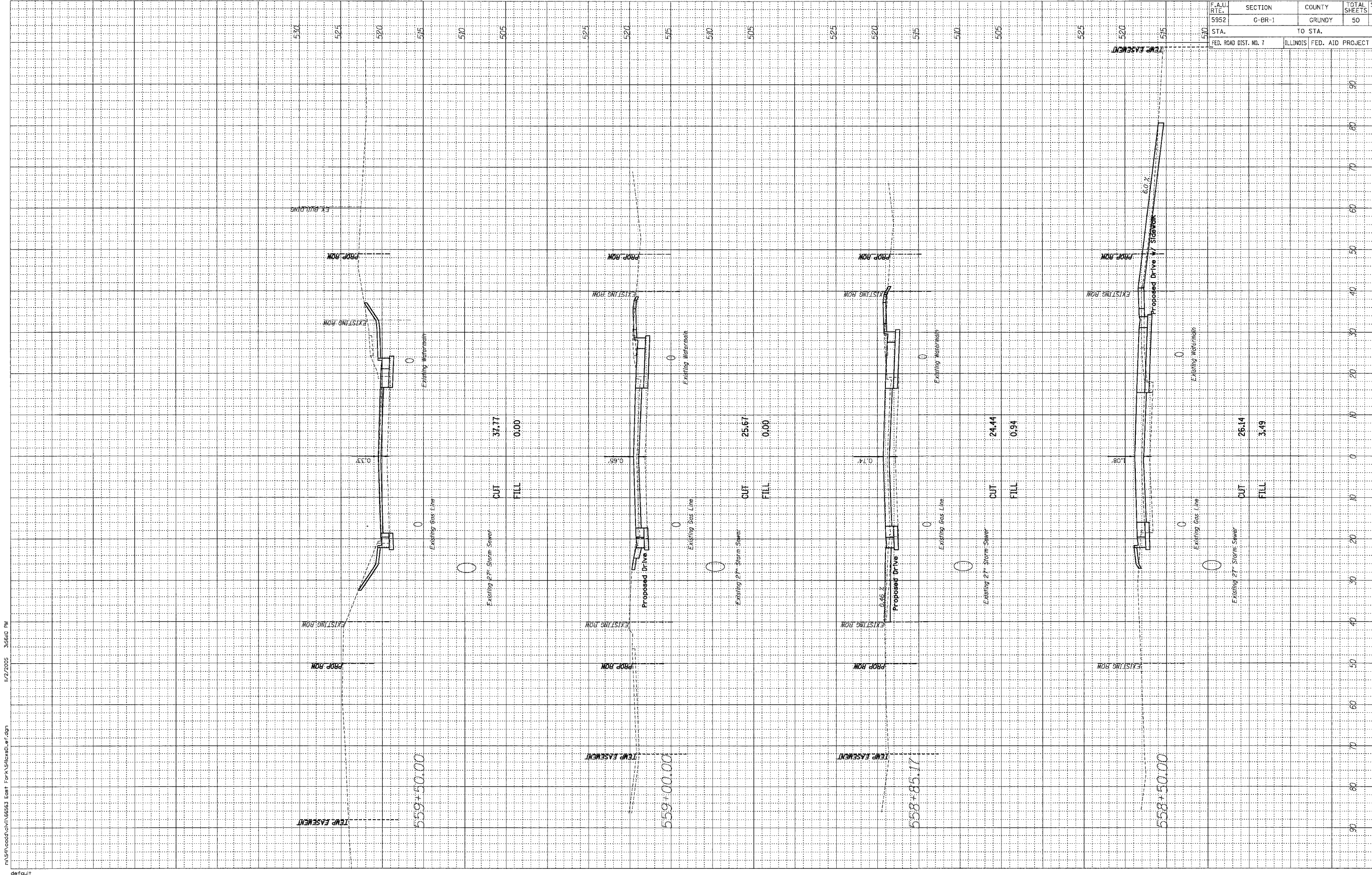
Existing Gas Line
Existing 10" Sanitary Sewer
Existing Watermain
Existing 30" Storm Sewer
CUT 7.47
FILL 91.14

Existing Gas Line
Existing 10" Sanitary Sewer
Existing Watermain
Existing 30" Storm Sewer
CUT 8.40
FILL 85.86

Existing Gas Line
Existing 10" Sanitary Sewer
Existing Watermain
Existing 30" Storm Sewer
CUT 7.08
FILL 59.42

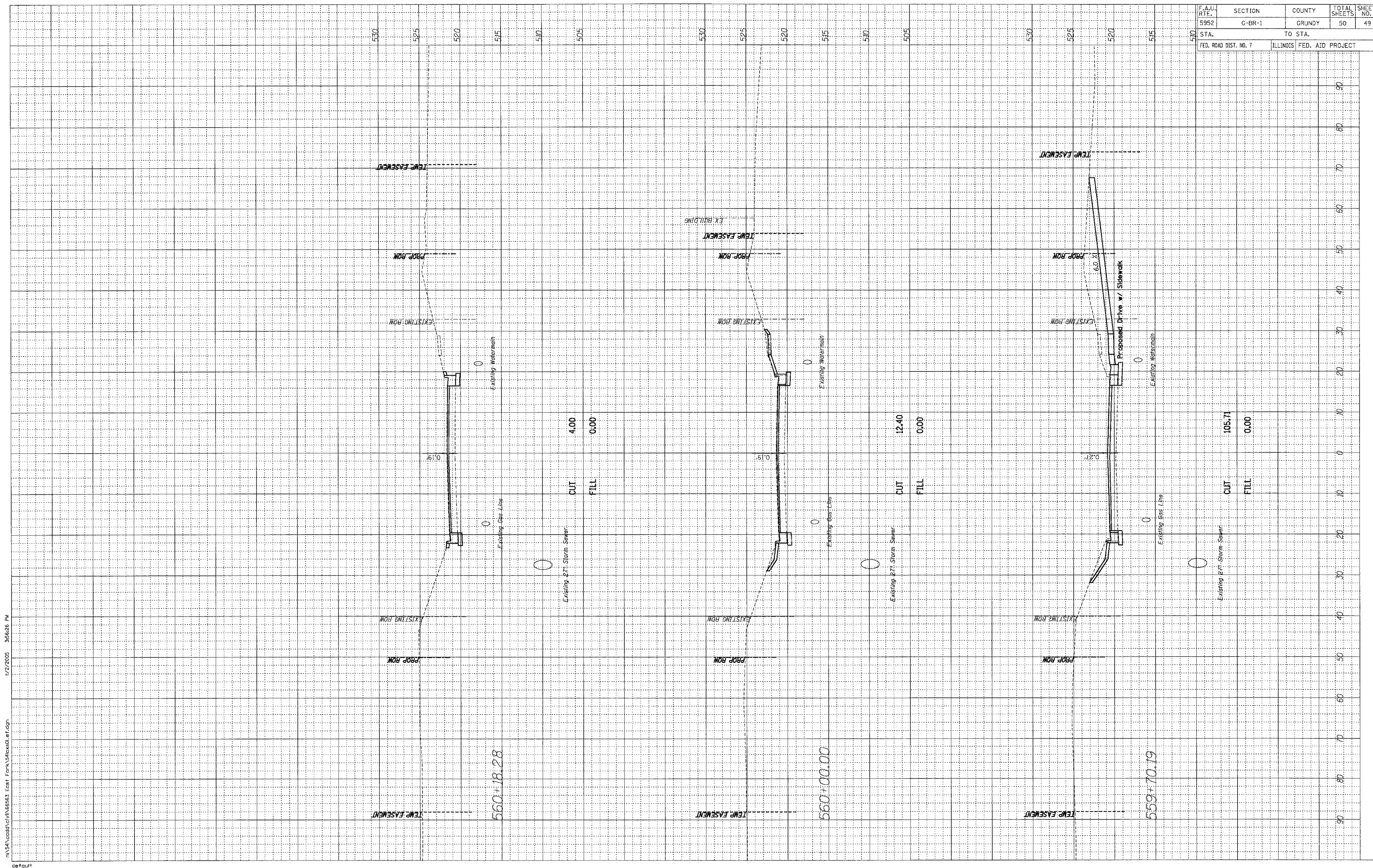
90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

F.A.U. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	48
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT	



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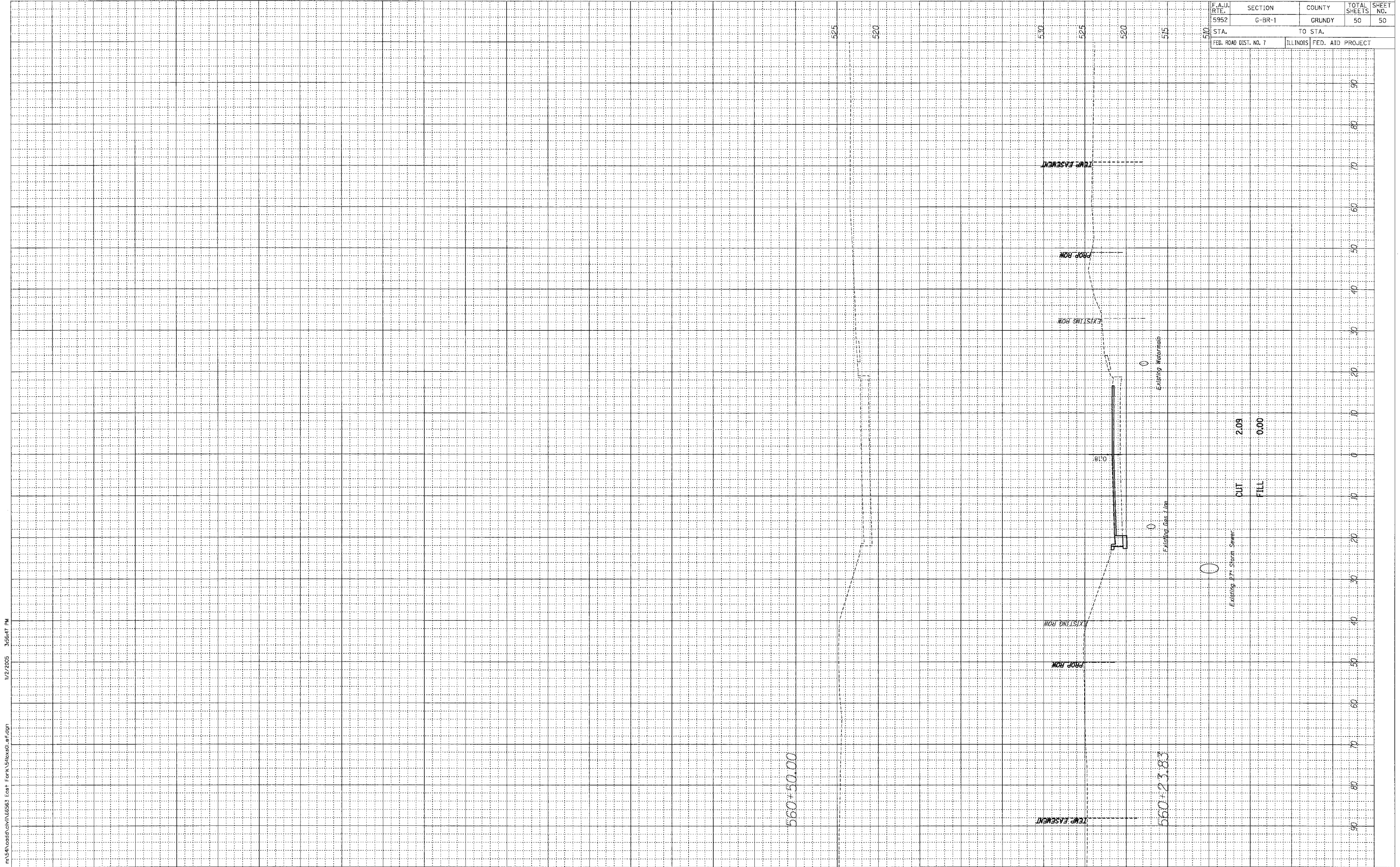
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	49
STA. 530		TO STA. 515		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5952	G-BR-1	GRUNDY	50	50
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



CUT 2.09
FILL 0.00

560+50.00

560+23.83

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