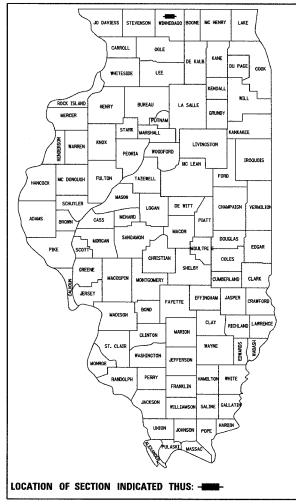
INDEX OF SHEETS STATE OF ILLINOIS COVER SHEET GENERAL NOTES
SUMMARY OF QUANTITIES DEPARTMENT OF TRANSPORTATION TYPICAL SECTIONS
VERTICAL AND HORIZONTAL CONTROL SCHEDULE OF QUANTITIES PLAN AND PROFILE IL RTE 75 **DIVISION OF HIGHWAYS** TRAFFIC CONTROL PLANS STRUCTURAL PLANS 10. -19. 20. -21. 22. -29. SOIL BORINGS EXISTING BRIDGE PLANS (FOR INFORMATION ONLY)
DETAIL OF BITUMINOUS SHOULDER AT GUARD RAIL (23.4) DETAIL OF BITOMINOUS SHOULDER (23.4)
BITOMINOUS SHOULDER (23.4A)
EROSION CONTROL DETAILS FOR SILT FENCE (29.2)
DELINEATOR AND POST ORIENTATION (37.4)
INFORMATIONAL WARNING SIGN (FOR NARROW TRAYEL LANES) (39.4), PLANS FOR PROPOSED **አ** 31. STOP LINE SIGN FOR TEMPORARY SIGNALS (99.4) 32. -35. CROSS SECTIONS FEDERAL AID HIGHWAY # 31A WITNESS MARKER + PERMANENT SURVEY MARKERS, TYPE II (66.2) HIGHWAY STANDARDS STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS AREA OF REINFORCEMENT BARS TEMPORARY EROSION CONTROL SYSTEMS
BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT **FAP ROUTE 505 (IL 75)** NAME PLATE FOR BRIDGES
STEEL PLATE BEAM GUARDRAIL 630001-07 630201-04 PCC/BITUMINOUS STABILITATION AT STEEL PLATE BEAM GUARDRAIL 630301-04- SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS SECTION 115BR-1 DELINEATORS REFLECTOR AND TERMINAL MARKER PLACEMENT REFLECTOR MARKER AND MOUNTING DETAILS

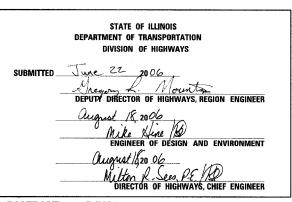
PERMANENT SURVEY MARKERS

OFF-ROAD OPERATIONS, 2L, 2W 4.5 M (15') TO 600 MM (24") 635011-01 667101 **OVER TIMOTHY CREEK** 701006-02 OFF-ROAD OPERATIONS, 2L, 2W 4.5 M (15') TO 600 MM (24")
FROM EDGE OF PAVEMENT
OFF-ROAD OPERATIONS 2L, 2W, DAY ONLY
LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
TRAFFIC CONTROL DEVICES
TEMPORARY CONCRETE BARRIER 701011-01 **WINNEBAGO COUNTY** 701306-01 701326-02 PROJECT NO. BRF-0505(018) 702001-06 TEMPORARY CONCRETE BARRIER 704001-03 METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS TYPICAL PAVEMENT MARKINGS TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS C-92-083-06 MOODY RD. 20 21 **IMPROVEMENT BEGINS** STA.60 + 06TRAFFIC DATA 28 HIGHWAY CLASSIFICATION: RURAL MINOR ARTERIAL SECTION 115BR-1 2008 ADT = 2700 INCLUDES THE REMOVAL OF EXISTING DESIGN SPEED 55 MPH POSTED SPEED 55 MPH STRUCTURE NO. 101-0114 AND **CONSTRUCTION OF THE NEW** STRUCTURE 101-0183. A THREE SIDED 1"= 5' CROSS SECTION (VERT.) STRUCTURE OVER TIMOTHY CREEK 1''=5' Cross section (Horiz.) AT STA 63+23.2033 SUMMOW **IMPROVEMENT ENDS** STA. 65 + 90FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD 24 **ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT** CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED. J.U.L.I.E. **NET LENGTH OF SECTION 584 FEET (0.111 MILES)** JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION GROSS LENGTH OF SECTION 584 FEET (0.111 MILES) 1-800-892-0123

| CONTRACT NO. 64940 | F.A.P. | SECTION | COUNTY | TOTAL SHEET | SHEET | NO. 505 | 115BR-1 | WINNEBAGO | 36 | 1

D-92-091-03





DISTRICT 2 DIXON IL

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 64940

SCALE IN MILE

ILLINOIS

MORRIS

PERU

- THE REMOVAL OF BITUMINOUS SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION. THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL OF THE TYPE SPECIFIED.
- THE FINAL TOP FOUR INCHES OF SOIL IN ANY RIGHT-OF-WAY AREA DISTURBED BY THE CONTRACTOR MUST BE CAPABLE OF SUPPORTING VEGETATION. THE SOIL MUST BE FROM THE A HORIZON (ZERO TO 2' DEEP) OF SOIL PROFILES OF LOCAL SOILS.
- THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 2A SALT TOLERANT ROAD MIXTURE SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THE USE SEEDING, CLASS I LAWN MIXTURE. THIS WORK WILL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION.
- FERTILIZER SHALL BE APPLIED TO ALL DISTURBED AREAS AND INCORPORATED INTO THE SEEDBED PRIOR TO SEEDING OR PLACEMENT OF SOD AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST OF EARTH
- 5. MULCH METHOD 2 SHALL BE APPLIED OVER ALL SEEDED AREAS. THIS SHALL BE INCLUDED IN THE COST OF THE EARTH EXCAVATION.
- PREVIOUSLY PUGMILLED STOCKPILES OF "TYPE A" OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.
- 7. THE SUBGRADE ON THIS PROJECT, EXCLUSIVE OF ROCK CUT AREAS IS SCHEDULED TO BE IMPROVED TO A 12" DEPTH ACCORDING TO MECHANISTIC PAVEMENT DESIGN. THE AREAS SCHEDULED TO BE IMPROVED TO A DEPTH GREATER THAN 12" ARE ESTIMATED BASED ON THE ORIGINAL GEOTECHNICAL INVESTICATION. THE SUBGRADE SHALL BE PROCESSED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS BEFORE THE ENDINEER SHALL DETERMINE THE LIMITS AND THE ADDITIONAL THICKNESS OF IMPROVEMENT REQUIRED, IF ANY.
- 8. EXCEPT FOR THE TOP 3", ALL AGGREGATE BASES AND SUBBASES 12" IN THICKNESS SHALL BE CONSTRUCTED OF AGGREGATE GRADATION CA-2. IF THE SPECIFIED THICKNESS EXCEEDS 12" THE BASES OR SUBBASES SHALL BE CONSTRUCTED OF TOPSIZE 6" BREAKER-RUN CRUSHED STONE WITH 70% TO 90% BY WEIGHT, PASSING THE 4" SIEVE AND 15% TO 40% BY WEIGHT, PASSING THE 2" SIZE SIEVE, EXCEPT FOR THE TOP 3". THE BREAKER-RUN CRUSHED STONE SHALL BE REASONABLY UNIFORMLY GRADED FROM COARSE TO FINE AND BE TAKEN FROM A QUARRY LEDGE CAPABLE OF OF PRODUCING CLASS "D" QUALITY AGGREGATE. THE TOP 3" SHALL BE GRADATION CA-6 OR CA-10 REGARDLESS OF THICKNESS. THE WATER NECESSARY TO ACHIEVE COMPACTION IN ALL BUT THE TOP 3" LAYER MAY BE ADDED AFTER THE SUBBASE OR BASE COURSE IS PLACED ON THE GRADE.

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

	T	<u> </u>	TOP LIFT	BOTTOM LIFTS	
MIXTURE DESIGN	SURFACE	BINDER	SHOULDER	SHOULDER	BIT. BASE CSE
PG:	PG 64-22	PG 64-22	PG58-22	PG58-22	PG58-22
RAPZ: (MAX)	15	25	30	30	50
DESIGN AIR VOIDS	4.2@N50	4.2@N50	3eN50	2@N50	2@N50
MIXTURE	IL 9.5	IL 19.0	IL 9.5	BAM	BAM
COMPOSITION	OR 12.5		OR 12.5	1	
(GRADATION	l			1 1	
MIXTURE)	ŀ				
FRICTION AGGREGATE	D	N/A	C	N/A	N/A
20 YEAR ESAL	1.5	1.5	N/A	N/A	N/A

- 10. ON FULL DEPTH PAVEMENT, SHOULDER WIDTHS OF 6 FT, OR LESS MAYBE PLACED, AT THE CONTRACTOR'S OPTION, SIMULTANEOUSLY WITH THE ADJACENT TRAFFIC LANE FOR BOTH THE BINDER AND SUFFACE COURSE, PROVIDED THE CROSS SLOPE OF BOTH THE PAVEMENT AND SHOULDER CAN BE SATISFACTORILY OBTAINED. THE SHOULDER WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SOUARE YARD FOR BITUMINOUS SHOULDERS OF THE THICKNESS SPECIFIED ON THE PLANS.
- INSTALL A "TO ACTUATE SIGNAL" SIGN FOR THE TRAFFIC SIGNAL DETECTOR LOOPS. THE DETAIL OF THIS SIGN IS INCLUDED IN THE PLANS. THIS WORK WILL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION STANDARD 701321.
- 12. BITUMINOUS AND AGGREGATE PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. THE COST OF THE PRIME COATS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR BITUMINOUS CONCRETE SURFACE COURSE OF THE TYPE SPECIFIED.
- 13. A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.
- 14. THE NEW NUMBER FOR THIS STRUCTURE WILL BE 101-0183.
- 15. THE CONTRACTOR SHALL SUBMIT FOUR COPIES OF THE REQUIRED SHOP DRAWINGS FOR REVIEW AND APPROVAL TO THE BUREAU OF BRIDGES AND STRUCTURES, 2300 SOUTH DIRKSEN PARKWAY, SPRINGFIELD, IL 62764, AFTER APPROVAL OF INITIAL SUBMITTAL, THE CONTRACTOR SHALL SUBMIT ONE SET OF SHOP DRAWINGS TO ERIC HARM, ENGINEER OF MATERIALS, 126 EAST ASH STREET, SPRINGFIELD, IL 62706, AND EIGHT (8) SETS OF SHOP DRAWINGS TO BE DISTRIBUTED TO:

DISTRICT 2 DISTRICT ENGINEER (I)
FABRICATOR (I)
CONTRACTOR (2)
DISTRICT 2 BUREAU OF MATERIALS (2)

16. THE REVIEW AND APPROVAL OF TEMPORARY SHEET PILING WILL REQUIRE 4 TO 6 WEEKS. THE CONTRACTOR SHALL SCHEDULE HIS WORK ACCORDINGLY.

- 17. THE BORING LOGS FOR THIS STRUCTURE INDICATE THAT GROUNDWATER LEVELS MAY ENCROACH ON THE CONSTRUCTION LIMITS OF THIS STRUCTURE. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GROUND WATER AND DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF CONTROLLING THE WATER SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THEE FOR THE FORTHER SHALL SHOW DEPOSAL CONCERNS CONTRACTURING THE FORTHER SHOWS DEPOSAL CONCERNS CONTRACTURIES SHOWS DEPOSAL CONCERNS CONTRACTURING SHOWS DEPOSAL CONCERNS CONTRACTURIES SHOWS DEPOSAL CONCERNS CONTRACTURING SHOWS DEPOSAL CONTRACTU THREE-SIDED PRECAST CONCRETE STRUCTURES 36' X 11'.
- 18. CULVERT AND BRIDGE FLOWS MUST BE MAINTAINED THROUGHOUT THE PROJECT. NORMAL FLOW SHALL BE ALLOWED TO PASS AT THE RATE IT ENTERS THE JOBSITE. HIGH FLOWS SHALL BE ALLOWED TO PASS WITHOUT CAUSING DAMAGE TO UPSTREAM PROPERTIES.
- 19. THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION RECUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (TANCENT) OR STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (FLARED).
- 20. ONE 16D GALVANIZED NAIL SHALL BE USED TO TOE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE I SPECIALS.
- 21. DELINEATORS SHALL BE INSTALLED AS SHOWN ON STANDARD 635001, EXCEPT THAT THE POST SHALL BE ROTATED 180° AND ONLY METAL-BACKED DELINEATORS SHALL BE PERMITTED.
- 22. DELINEATORS SHALL BE PLACED AT THE ENDS OF APPROACH GUARDRAIL TERMINAL SECTIONS, AND AT EACH HEADWALL OR END SECTION OF AR CULVERTS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR DELINEATORS.
- 23. PERMANENT SURVEY MARKERS, TYPE II, SHALL BE SET AT INTERVALS OF 1 MILE OR AS DIRECTED BY THE ENGINEER. BRIDGE OR CULVERT PROJECTS SHALL HAVE ONE SURVEY MARKER PLACED NEAR THE STRUCTURE.
- 24, PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON DISTRICT STANDARD 66.2
- 25. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE SURVEY
- 26. WORK ON THIS PROJECT WILL BE IN PROGRESS AT THE SAME TIME AS WORK ON ADJACENT PROJECTS.

WORK ON THESE PROJECTS SHALL BE SCHEDULED TO KEEP INTERFERENCE BETWEEN ALL THE PROJECTS TO A MINIMUM. THE CONTRACTORS SHALL INFORM EACH OTHER OF PROGRESS OF THE PROJECTS AND GIVE FAIR WARNING TO THE OTHER CONTRACTORS WHEN A PROBLEM MIGHT BE ENCOUNTERED.

27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY
PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE
107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS
ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE
MUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED
WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

COMMONWEALTH EDISON CO. ELECTRIC

VERIZON TELEPHONE

NICOR GAS CO. GAS

CHARTER COMM COMMUNICATIONS

FOLLOWING ARE THE KNOWN UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS WHICH ARE NOT MEMBERS OF JULIE AND SHOULD BE NOTIFIED INDIVIDUALLY BY THE CONTRACTOR:

IDOT-DISTRICT 2 819 DEPOT AVENUE DIXON, IL 61021

28. THE APPLICABLE PORTIONS OF ARTICLE 105.07 OF THE STANDARD SPECIFICATION SHALL APPLY EXCEPT FOR THE FOLLOWING. THE CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE THE VERTICAL DEPTHS OF THE UNDERGROUND UTILITIES WHICH MAY INTERFERE WITH CONSTRUCTION OPERATIONS. THIS WORK WILL NOT BE MEASURED OR PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR THE ITEM OF CONSTRUCTION INVOLVED.

PER SB 699 (90 DAY UTILITY RELOCATION LAW), ONCE RIGHT-OF-WAY IS CLEAR TO AWARD THE PROJECT, A NOTICE WILL BE SENT TO THE UTILITY COMPANIES INSTRUCTING THEM TO HAVE THEIR FACILITIES RELOCATED WITHIN 90 DAYS. ESTIMATED DATE RELOCATION COMPLETE = LETTING DATE + 135 DAYS.

- 29. CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.
- 30. BACKFILL MATERIAL SHALL BE INSTALLED AS NOTED ON THE PROVISIONS FOR THREE SIDED PRECAST CONCRETE STRUCTURE. THE BACKFILL MATERIAL GRADATION, COMPACTION AND INSTALLATION METHOD SHALL CONFORM TO THE PRE-CAST STRUCTURE MANUFACTURER'S REQUIREMENTS. THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE PER METER (FOOT) FOR THREE SIDED PRECAST CONCRETE STRUCTURES OF THE SIZE SPECIFIED, AS INDICATED IN THE PROVISIONS AND PLAN NOTES. THE PROVISIONS AND PLAN NOTES.

CONTRACT NO. 64940

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
505	1158R-1	WINNEBAGO	35	2
STA.		TO STA.		
FED. RO	AD DIST. NO. 2 ILLIN	OIS FED. AID	PROJECT	

COMMITMENTS

- THERE ARE TWO JURISDICTIONAL WETLANDS LOCATED WITHIN THE PROJECT AREA, BUT BEYOND THE CONSTRUCTION LIMITS. THESE WILL NOT BE IMPACTED BY PROJECT CONSTRUCTION.
- THESE WETLANDS ARE SHOWN ON THE PLAN SHEET IN THE DESIGN REPORT AND WILL BE SHOWN ON THE CONTRACT PLANS.
- 3. APPROXIMATELY FOUR MONTHS PRIOR TO PROJECT LETTING AND PRIOR TO THE SUBMITTAL OF FINAL PLANS BY THE CONSULTANT TO THE DEPARTMENT, AN INSPECTION OF THE EXISTING STRUCTURE SHALL BE CONDUCTED TO EVALUATE WHETHER STAGE CONSTRUCTION REMAINS FEASIBLE BASED ON THE DETERIORATED CONDITION OF THE DECK BEAMS. RECOMMENDATIONS ON STAGING FEASIBILITY AND REPLACEMENT OF DETERIORATED DECK BEAMS SHOULD BE SUBMITTED TO THE DEPARTMENT'S BRIDGE MAINTENANCE ENGINEER FOR REVIEW AND CONCURRENCE. THE BEAM REMOVAL AND REPLACEMENT PLAN SHOULD BE REVISED AS NECESSARY BASED ON THE RESULTS OF THE INSPECTION. IF IT IS DETERMINED THAT STAGE CONSTRUCTION IS NO LONGER FEASIBLE AND ROAD CLOSURE IS NECESSARY, COORDINATION WITH LOCAL AGENCIES SHOULD BE CONDUCTED PER DEPARTMENT POLICIES.
- 4. ONE MONTH PRIOR TO THE START OF CONSTRUCTION, THE RESIDENT ENGINEER SHALL CONTACT PROPERTY OWNER, MARK SHEDD (815/629-2563), TO ALLOW HIM SUFFICIENT TIME TO REMOVE FENCES CURRENTLY LOCATED ON STATE RIGHT-OF-WAY, MR. SHEDD HAS ALSO REQUESTED A MEETING WITH THE RESIDENT ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- 5. THE CONTRACTOR SHALL CONTACT THE ADJACENT PROPERTY OWNERS ONE (1) WEEK PRIOR TO WORK BEGINNING TO ALLOW FOR ARRANGEMENTS WITH THEIR LIVESTOCK. NOTICE SHALL BE DOCUMENTED AND A COPY GIVEN TO THE RESIDENT ENGINEER. CONSIDERATION AND COOPERATION SHALL BE PROVIDED BETWEEN THE CONTRACTOR AND THE ADJACENT PROPERTY OWNERS AS REQUIRED.

REVISIONS NAME ILLINOIS DEPARTMENT OF TRANSPORTATION GENERAL NOTES FAP 505 (IL 75) SECTION 115BR-1 WINNEBAGO COUNTY DRAWN BY NOE

SCALE: VERT. DATE 11/05

CHECKED BY JKC

= 4786 = 28918: = NONE = CHAMS DATE NAME SCALE NAME

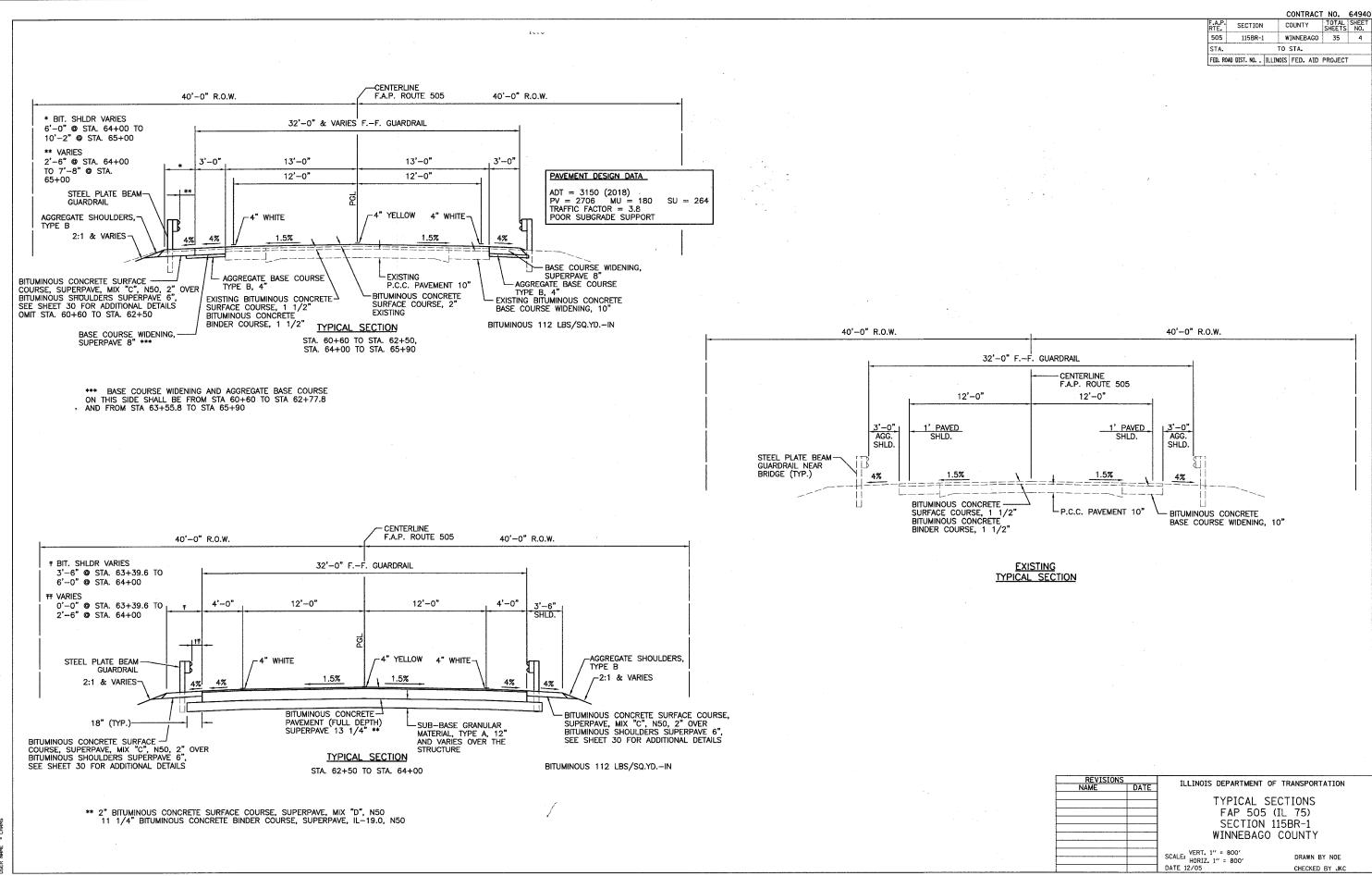
Item No.	Item	Unit	Total	80% FE 20% S X 028	TATE 3-2A
			OUANTITY	RQADWAY	BRIDGE
20101000	TEMPORARY FENCE	FDOT	360	360	
20200100	EARTH EXCAVATION	CU YD	249	249	**
20300100	CHANNEL EXCAVATION	CU YD	37	37	**
28000400	PERIMETER EROSION BARRIER	FOOT	155	155	**
28100107	STONE RIPRAP, CLASS A4	SQ YD	402		402
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	584	584	W =
35101400	AGGREGATE BASE COURSE, TYPE B	. TON	85	85	
35650300	BASE COURSE WIDENING 8"	SQ YD	280	280	~ -
40600990	TEMPORARY RAMP	SO · YD	47	47	
44000100	PAVEMENT REMOVAL	SQ YD	344	344	
48101200	AGGREGATE SHOULDERS. TYPE B	TON	36	36	
48202400	BITUMINOUS SHOULDERS SUPERPAVE 6"	SO YD	227	227	
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1		1
50500225	CONCRETE STRUCTURES	CU YD	74.9		74.9
50800105	REINFORCEMENT BARS	POUND	5900		5900
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1280	F 18	1280
51201000	FURNISHING METAL PILE SHELLS 12"	FDOT	2003	~ ~	2003
51202600	DRIVING AND FILLING SHELLS	FOOT	2003	~ =	2003
51203200	TEST PILE METAL SHELLS	EACH	1	* ~	1
51205200	TEMPORARY SHEET PILING	SQ FT	2046		2046
51500100	NAME PLATES	EACH	1	P. 4	1
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FDOT	537.5	537. 5	-+
* 63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FDOT	100	100	
£ 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	75	75	
£ 63100167	TRAFFIC BARRIER TERMINAL TYPE 1, SPECIAL (TANGENT)	EACH	4	4	
63200310	GUARDRAIL REMOVAL	FOOT	393	393	
63500105	DELINEATORS	EACH	. 4	4	
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	2	2	* *
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4	***

	80% FED		ED	FAP. S		FAP. SECTION COUNTY THE				
					STATE	505	1158R-1	WINNE		DTAL SI- EETS I
tem No.	!tem	Uni+	ID†QT YTITMAUQ	ROADWAY	BRIDGE	STA.	H20H-1	TO STA.	SHOU	30
				NOND NA !	3	FED. ROAD DIST	MO ILL	INDIS FED	AID PROJE	CT
7100100	MOBILIZATION	L SUM	1	1						
0100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 701321	EACH	1	1						
0100460	TRAFFIC CONTROL AND PROTECTION. STANDARD 701306	L SUM	1	1						
0100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1						
0103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5						
0105500	Truggabay garage Tarella Clause	FACU	1	1						
0106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH		1						
0300100	SHORT-TERM PAVEMENT MARKING	FOOT	124	124						
0300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1993	1993						
0300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	24	24						
0301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	754	754						
0400100	TEMPORARY CONCRETE BARRIER	FOOT	475	475						
0400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	475	475						
8000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	1250	1250						
8100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2	2						
8200410	GUARDRAIL MARKERS, TYPE A	EACH	10	10						
8201000	TERMINAL MARKER - DIRECT APPLIED	EACH	4	4						
8300100	PAVEMENT MARKING REMOVAL	SQ FT	417	417						
0324032	THREE-SIDED PRECAST CONCRETE STRUCTURES 36' X 11'	FOOT	41.9	on on	41.9					
4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE MIX "C", N50	TON	11	11						
4073146	BITUMINOUS CONCRETE PAVEMENT (FULL-DEPTH), SUPERPAVE, 13 1/4"	SO YD	533	533						
		_								
0002600	BAR SPLICERS	EACH	24		24					
0013798	CONSTRUCTION LAYOUT	L SUM	1	1						
8200200	FILTER FABRIC	SQ YD	402	44 14	402					
0030250	IMPACT ATTENTUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	2	2						
1					1					

* SPECIALTY ITEM + SFTY-3N

REVISIONS NAME GATE	ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES FAP 505 (IL 75) SECTION 115BR-1 WINNEBAGO COUNTY
	SCALE: VERT. DRAWN BY NV DATE 05/06 CHECKED BY JKC

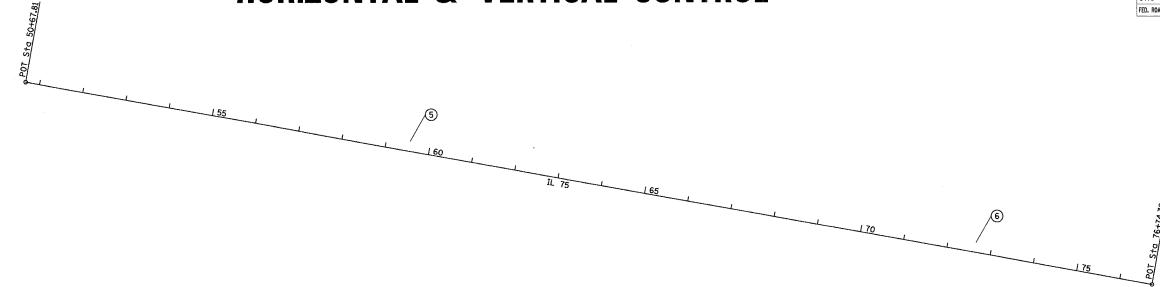
PLOT DATE = 04/06 FILE NAME = 209103SUMGUANT PLOT SCALE = NONE USER NAME = CHAMS



OT DATE = 04/06 LE NAME = 209103TYP OT SCALE = 1" = 20" ER NAME = CHAMS

HORIZONTAL & VERTICAL CONTROL





Chain ALIGN75 contains: 21 22

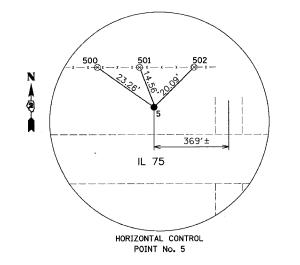
Beginning chain ALIGN75 description N 2,098,949.6100 E 2,564,994.0700 Sta 50+67.810

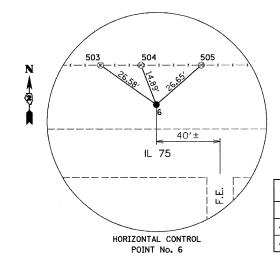
Course from 21 to 22 S 79° 46′ 20.57″ E Dist 2,606.5680

N 2,098,486.7900 E 2,567,559.2200 Sta 76+74.378 Point 22

Ending chain ALIGN75 description

	REFERENCE TIES									
POINT	CHAIN	STATION	OFFSET	DESCRIPTION						
500	ALIGN 75	59+30.92	35.55′ LT.	SURVEY NAIL & SQUARE WASHER IN WOOD FENCE POST						
501	ALIGN 75	59+46.98	35.26′ LT.	SURVEY NAIL & SQUARE WASHER IN WOOD FENCE POST						
502	ALIGN 75	59+77.27	35.38' LT.	SURVEY NAIL & SQUARE WASHER IN WOOD FENCE POST						
503	ALIGN 75	72+44.78	37.22′ LT.	SURVEY NAIL & SQUARE WASHER IN WOOD FENCE POST						
504	ALIGN 75	72+61.74	36.78' LT.	SURVEY NAIL & SQUARE WASHER IN WOOD FENCE POST						
505	ALIGN 75	72+76.88	36.77′ LT.	SURVEY NAIL & SQUARE WASHER IN WOOD FENCE POST						





	HORIZONTAL CONTROL POINTS								
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION		
5	2098814.568	2565870.048	731.78	ALIGN 75	59+53.85	22.64′ LT.	IRON ROD CAPPED		
6	2098582.296	2567158.508	732.06	ALIGN 75	72+63.08	22.84′ LT.	IRON ROD CAPPED		

	BENCH MARKS								
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION		
406	2098703.950	2566258.260	728.74	ALIGN 75	63+55.53	17.29' RT.	CHISELED SQUARE TOP OF S.E. WING WALL OF BRIDGE		
407	2098844.380	2565439 . 250	733.61	ALIGN 75	55+24.60	24.51′ RT.	CHISELED SQUARE EAST HEADWALL 3RD P.E. OF STRURCTURE		

ILLINOIS DEPARTMENT OF TRANSPORTATION

HORIZONTAL & VERTICAL CONTROL

F.A.P. RTE.	SECTION	С	OUNT	Y	TOTAL SHEETS	SHEET NO.
505	115BR-1	W	INNEE	BAGO	35	6
STA		TO	STA			***************************************
FED. ROAL	DIST. NO	ILLINOIS	FED.	AID	PROJECT	Γ

TEMPORARY FENCE *	
LOCATION	FOOT
AS DIRECTED BY ENGINEER	360
TOTAL	360

^{*} SEE COMMITMENTS ON SHEET 2 OF 35

	EARTHWORK	QUANTI	TIES	
LOCATION	THEOR	ETICAL	SHORTAGE (-) OR EXCESS (+)	REMARKS
	CUT	FILL	EXCESS (+)	
	CU YD	CU YD	CU YD	
			[(A)0.75](B)	
	(A)	(B)	(C)	
IL 75				
STAGE I	121	7	84	
STAGE II	128	39	57	
TOTAL	249	46	141	
	PAY ITEM 20200100		R INFO ONLY	

CHANNEL EXCAVATION	
LOCATION	CU YD
AS DIRECTED BY ENGINEER	37
TOTAL	37

PERIMETER EROSION BARR	RIER
LOCATION	FOOT
LT, STA 62+50 TO STA 62+80	30
LT, STA 63+50 TO STA 64+75	125
TOTAL	155

LOCATION		SQ YD
STA 62+50 TO STA 63+09.94	(STAGE I)	92
STA 63+42.19 TO STA 64+00	(STAGE I)	88
STA 62+50 TO STA 63+02.44	(STAGE II)	72
STA 63+36.35 TO STA 64+00	(STAGE II)	92
TOTAL		344

PAVEMENT SCHEDULE								
LOCATION (STA. TO STA.)	31100910 SUB-BASE GRANULAR MATERIAL, TYPE A 12"	35101400 AGGREGATE BASE COURSE, TYPE B	35650300 BASE COURSE WIDENING, 8"	40600990 TEMPORARY RAMP	48101200 AGGREGATE SHOULDERS, TYPE B	48202400 BITUMINOUS SHOULDERS SUPERPAVE 6"	X4073146 BITUMINOUS CONCRETE PAVEMENT (FULL DEPTH), SUPERPAVE, 13 14"	X4066414 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50
	SQ YD	TON	SQ YD	SQ YD	TON	SQ YD	SQ YD	TON
STA 60+60 TO STA 62+77.58 (STAGE 1)		24	80					
STA 63+54 TO STA 65+90 (STAGE 1)		24	77	ļ				
STA 60+60 TO STA 62+50 (STAGE 2)		18	59					
STA 64+00 TO STA 65+90 (STAGE 2)		19	64			<u> </u>		
STA 62+50 TO STA 64+00 (STAGE 1)	292			22	18	58	250	11
STA 62+50 TO STA 64+00 (STAGE 2)	292			25	18	169	283	10
TOTAL			000	47	70	007	577	
TOTAL	584	85	280	47	36	227	533	11

REVISIONS		TI L THOTO	DEDADTMENT OF	E TRANSPORTATION
NAME	DATE	ILLINUIS	DEPARTMENT U	F TRANSPORTATION
			SCHEDUL	E OF
			QUANTT	ITES
			FAP 505	(IL 75)
			SECTION :	115BR-1
		1	WINNEBAGO	COUNTY
		SCALE: VERT.		DRAWN BY NOE
		DATE: 12/05		CHECKED BY JKC

plot date = 4/86 file name = 2891838CHED plot scale = nome user name = Chams

SIELE FLATE BEAM COARD TRAIL,	11, 73
LOCATION	FOOT
STA 60+56.00 TO STA 62+81.00 (STAGE 1)	225
STA 63+68.50 TO STA 64+81.00 (STAGE 1)	112.5
STA 61+64.50 TO STA 62+77.00 (STAGE 2)	112.5
STA 63+64.50 TO STA 64+52.00 (STAGE 2)	87.5
TOTAL	537.50

STEEL PLATE BEAM GUARD RAIL, TYPE B					
LOCATION	FOOT				
STA 62+81.00 TO STA 63+06.00 (STAGE 1)	25				
STA 63+43.50 TO STA 63+68.50 (STAGE 1)	25				
STA 62+77.00 TO STA 63+02.00 (STAGE 2)	25				
STA 63+39.50 TO STA 63+64.50 (STAGE 2)	25				
The state of the s					
TOTAL	100				

STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES				
LOCATION FOOT				
STA 63+06 TO STA 63+43.5 (STAGE 1)	37.5			
STA 63+02 TO STA 63+39.5 (STAGE 2)	37.5			
TOTAL	75			

TRAFFIC BARRIER TERMINAL TY SPECIAL (TANGENT)	PE 1
SPECIAL (TANGENT)	
LOCATION	EACH
STA 60+56.00	1
STA 61+64.50	1
STA 64+52.00	11
STA 64+81.00	1
TOTAL	4

GUARDRAIL REN	MOVAL	FOOT
STA 61+91.15 TO STA 62+92.81	(STAGE 1)	102
STA 63+70.54 TO STA 64+66.67	(STAGE 1)	96
STA 61+79.43 TO STA 62+75.89	(STAGE 2)	97
STA 63+53.89 TO STA 64+52.32	(STAGE 2)	98
	-	
TOTAL		393

DELINEATORS	
LOCATION	EACH
AT EACH TYPE 1 TERMINAL END	4
TOTAL	4

TEMPORARY	BRIDGE	TRAFFIC	SIGNAL
LOCATION			EACH
STA 59+95 RT			.25
STA 60+20 LT			.25
STA 66+27 RT			.25
STA 66+52 LT			.25
TOTAL			1

SHORT-TERM PAVEMENT MARKING					
LOCATION	FOOT				
STA. 59+55 TO STA. 67+02	76				
STA. 60+60 TO STA. 65+90, LT.	24				
STA. 60+60 TO STA. 65+90, RT.	24				
· · ·					
TOTAL	124				

TEMPORARY PAVEMENT	MARKING	
	70300220 4"	70300280 24"
LOCATION	FOOT	FOOT
STAGE I	1003	24
STAGE II	990	
TOTAL	1993	24

WORK ZONE PAVEMENT MARKING REMOVAL	
LOCATION	SQ FT
SHORT TERM PAVEMENT MARKING	41
TEMPORARY PAVEMENT MARKING	713
TOTAL	754

TEMPORARY CONCRETE BARR	RIER
LOCATION	FOOT
STA 60+88 TO STA 62+00	112.5
STA 62+00 TO STA 64+50	250
STA 64+50 TO STA 65+62	112.5
TOTAL	475

RELOCATE TEMPORARY CONCRETE BARRIER		
LOCATION	FOOT	
STA 60+88 TO STA 62+00	112.5	
STA 62+00 TO STA 64+50	250	
STA 64+50 TO STA 65+62	112.5	
TOTAL	475	

THERMOPLASTIC PAVEMENT MARKING			
	78000200 4"	78000200 4 "	
	YELLOW	WHITE	
LOCATION	FOOT	FOOT	
STA 59+55 TO STA 67+02	190		
STA 60+60 TO STA 65+90		1060	
TOTAL	1250		

RAISED REFLECTIVE	PAVEMENT	MARKER
LOCATION		EACH
STA 62+50 TO STA 64+00		2
TOTAL		2

GUARDRAIL MARKER,	TYPE A
LOCATION	EACH
LT. STA 61+14.5 TO STA 65+02	4
RT. STA 60+06 TO STA 65+31	6
TOTAL	10

TERMINAL	MARKER	_	DIRECT	APPLIED	
LOCATION				EACH	
STA 60+06.00				1	
STA 61+14.50				1	
STA 65+02.00				1	
STA 65+31.00	•			1	
TOTAL				4	

			CON	INMC	1 140.	07370
F.A.P. RTE.	SECTION	C	OUNT	Y	TOTAL SHEETS	SHEET NO.
505	115BR-1	W	INNEE	BAGO	35	7
STA TO STA						
FED. RO	AD DIST. NO	ILLINOIS	FED.	AID	PROJECT	

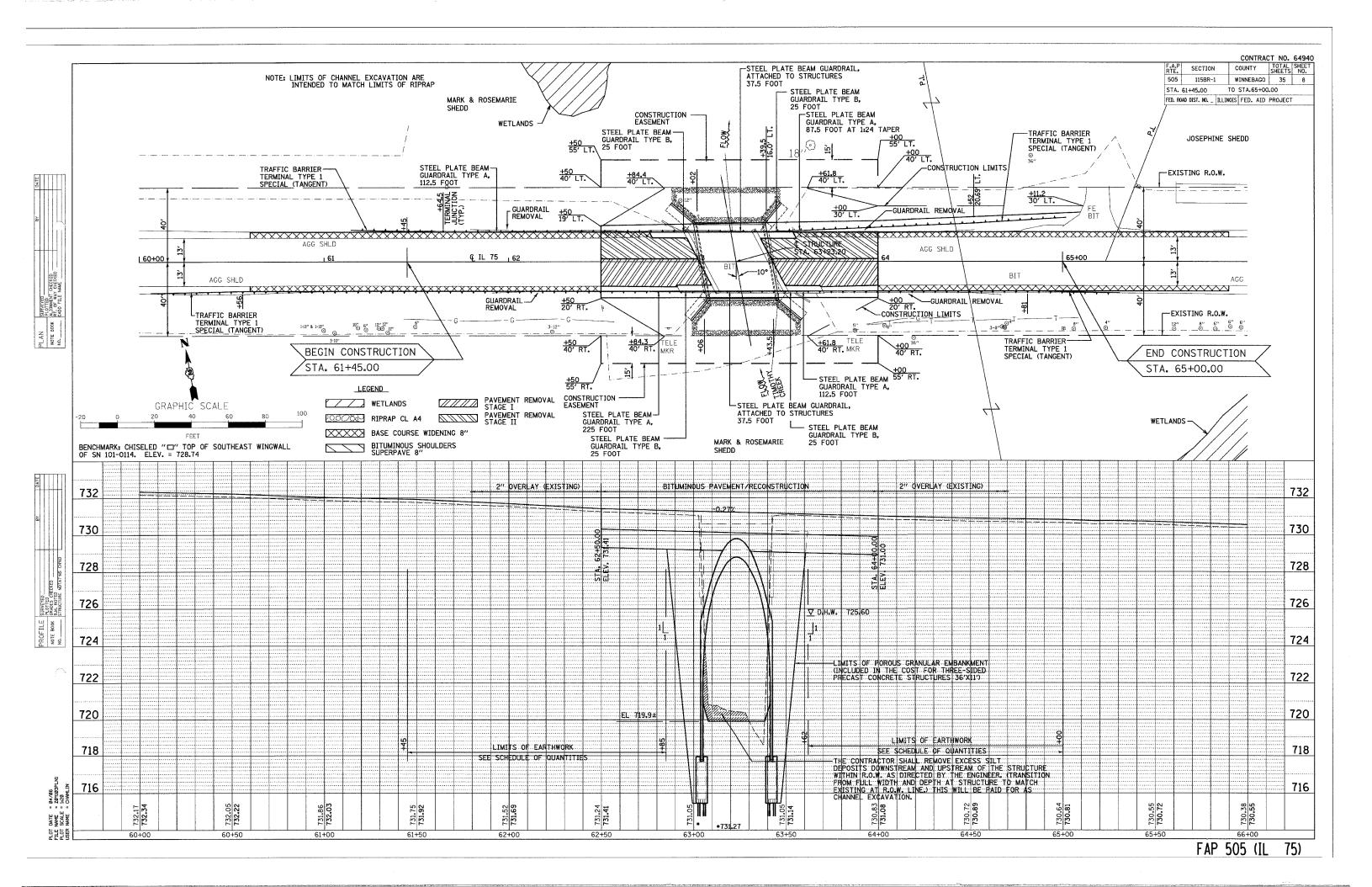
PAVEMENT MARKING REM	10VAL
LOCATION	SQ FT
STA. 59+55 TO STA. 67+02	63
STA. 60+60 TO STA. 65+90, LT.	177
STA. 60+60 TO STA. 65+90, RT.	177
TOTAL	417

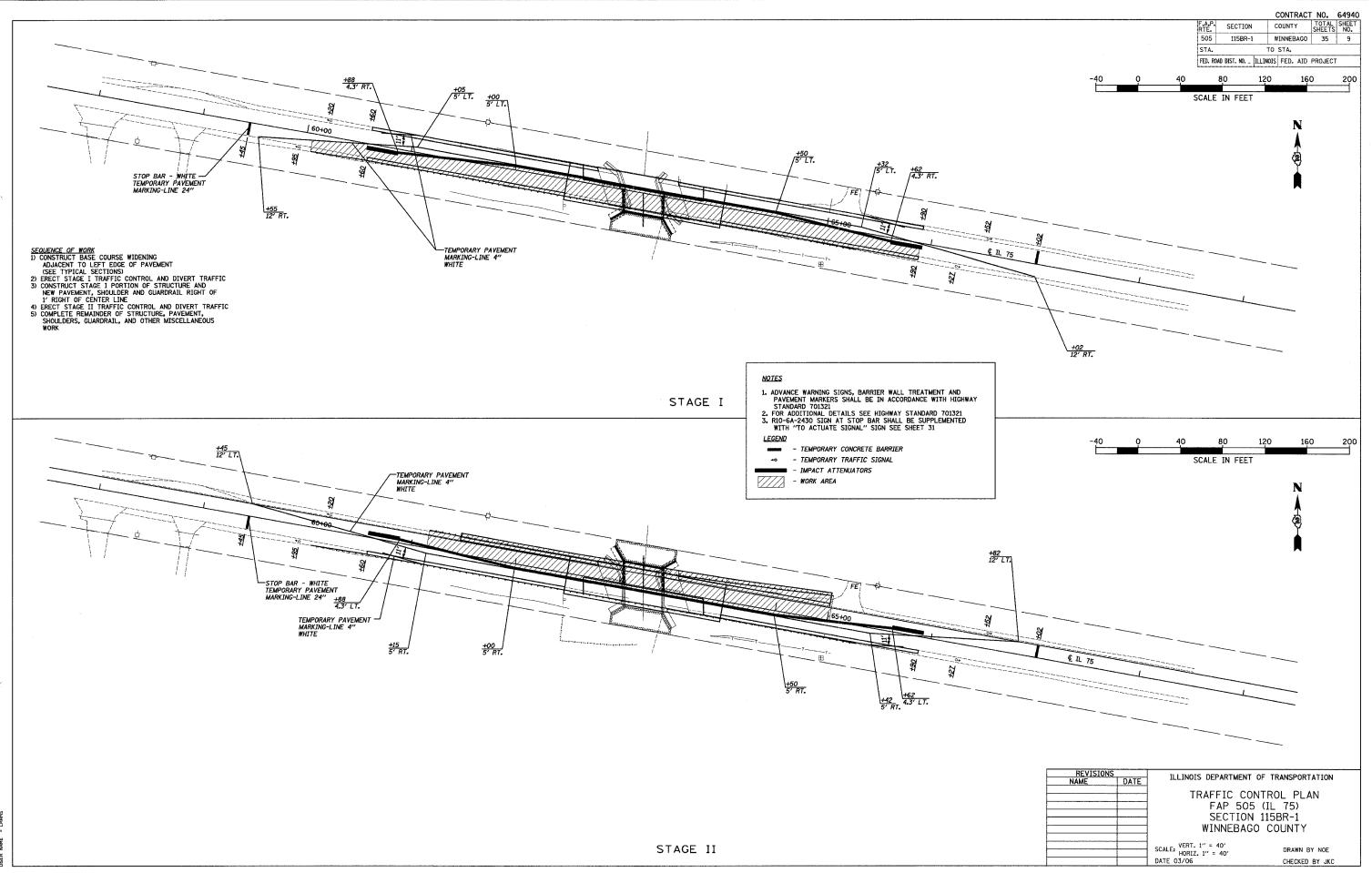
IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3		
LOCATION		EACH
STAGE I		2
TOTAL		2

IMPACT ATTENTUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3			
LOCATION		EACH	
STAGE II		2	
TOTAL		2	

ILLINOIS DEPARTMENT OF TRANSPORTATION SCHEDULE OF QUANTITIES FAP 505 (IL 75) SECTION 115BR-1 WINNEBAGO COUNTY

SCALE: VERT. HORIZ. DATE: 12/05 DRAWN BY NOE





DATE = 04/06 AAME = 209103TRAFFCNTL SCALE = 1" = 40"

PLOT DATE = 6 FILE NAME = 3 PLOT SCALE = 1 USER NAME = 0 Benchmark: Chiseled " \square " top of southeast wingwall of SN 101-0114. Elev. = 728.74

Existing Structure: SN 101-0114 to be removed. Originally built in 1928 as SBI Route 75 Section 115. In 1971, SBI 75, Section 115BR replaced and widened the original superstructure. Single span prestressed concrete box beam with closed abutments on timber piles. 38'-4 3/4" Bk. to Bk. Abutments.

One lane traffic to be maintained using stage construction.

No Salvage.

Stage II Const.-

Cast în place

Wingwalls (typ.)

1:2 (V:H)

& vories

Steel Plate Beam Guardrail, Ty. A

BIt. Shidi

20'-11 1/4"

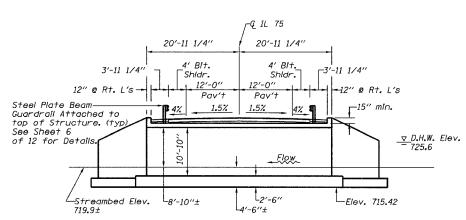
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CHECKED JLS

NOE

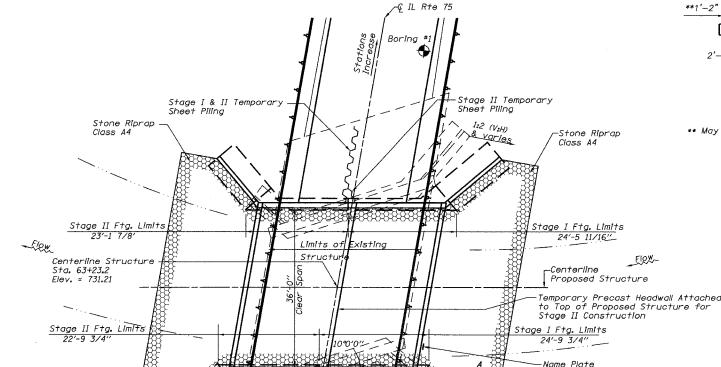
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DRAWN



PROPOSED LONGITUDINAL SECTION

Looking East (Dimensions are at Rt. L's to Roadway unless noted)



Out to out

PLAN

STATION 63+23.20 BUILT 200_ BY STATE OF ILLINOIS F.A.P. RT. 505 SEC. 115BR-1 LOADING HS20 STR. NO. 101-0183

NAME PLATE DETAIL

See Std. 515001



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

			WATE	RWAY IN	FORMATIC	ON			
······································	Drainage	Area= 8.2 S	sq. Mi. L	.ow Grade E	lev.= 730.3	(Exist./Pro	p.) @ Sta. 6	7+00	
Flood	Frea.	a	0pening	Sq. Ft.	Nat.	Head	- Ft.	Headwar	er Elev.
	Yr.	C.F.S.	Exist.	Prop.	H.W.E.	Exist.	Prop.	Exist.	Prop.
	10	918	143	178	725.1	0.8	0.7	725.9	725.8
Design	50	1371	159	193	725.6	1.4	1.2	727.0	726.8
Base	100	1556	162	196	725.7	1.7	1.5	727.4	727.2
Overtopping	-	-	-	-	-	-	-	-	_
Max. Calc.	500	1988	171	205	726.0	2.5	2.1	728.5	728.1

10-Year velocity through existing bridge= 6.4 Fps 10-Year velocity through prop. bridge= 5.2 Fps

Location

Stage I Const.

APPROVED

FOR STRUCTURAL ADEQUACY ONLY

Ralph E. arderson

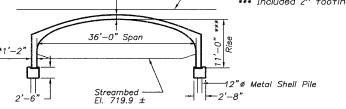
20'-11 1/4"

-Stage II Temporary Sheet Piling

-Stage I & II Temporary Sheet Piling

Z

1'-0" Roadway * Included 2" footing socket.



SECTION THRU STRUCTURE

(At Rt. L's to Structure)

** May vary per pre-caster's final design.

SECTION A-A

"赋" SHEET NO. 1

OF 12 SHEETS

10

3'-0"

115

WINNEBAGO

-Stone Riprap

Class A4

35

FAP 505

6" Bedding-

Filter Fabric-

FED. ROAD DIST. NO.

Contract #64940

PROFILE GRADE (Along Centerline Roadway)

DESIGN SPECIFICATIONS

2002 AASHTO

LOADING HS20-44

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

DESIGN STRESSES

Field Units

f'c = 3,500 psi fy = 60,000 psi (reinforcement)

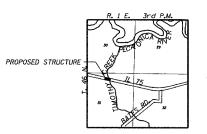
<u>Precast Units</u>

f'c = 5,000 psi

fy = 60,000 psi (reinforcement) fy = 65,000 psi (welded wire fabric)

SEISMIC DATA

Seismic Performance Category (SPC) = A Bedrock Acceleration Coefficient (A) = 0.032 Site Coefficient (S) = 1.2



LOCATION SKETCH

IL RTE 75 OVER TIMOTHY CREEK FAP ROUTE 505 SECTION 115BR-1 WINNEBAGO COUNTY STA. 63+23.20 SN 101-0183

PERU ILLINOIS MORRIS GENERAL PLAN

MOUTE NO.	SECTION	cos	MIY	TOTAL SHEETS	PAGE?	SHL
FAP 505	115 BR-1	WINNE	BAGO	35	11	
FED, ROAD GEST. I	•	TTMOS	PED, AER PHO		i	

SHEET NO. 2 OF 12 SHEETS

Contract #64940

General Notes

- 1. Reinforcement bars shall conform to the requirements of AASHTO M31, or M322 Grade 60.
- 2. The option of using precast footings is not allowed.
- 3. The option of using precast wingwalls is not allowed.
- 4. The footing design is based on the following maximum reactions applied at the top of the footing/pedestal wall:

Exterior footings: 18.9 kip/foot (vertical), 6.8 kip/foot (horizontal).

- 5. The Contractor shall verify that the selected structure meets these design parameters. If the design parameters are exceeded, a complete footing design with calculations, details and the required seals shall be submitted for review and approval.
- 6. The contractor shall drive one (1) metal shell test pile in a permanent location at the east structure footing as directed by the Engineer before ordering the remainder of metal shell piles.
- 7. Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- 8. Excavation behind existing abutment walls shall be done before removing the existing superstructure. The Contractor shall sawcut the existing abutments at the stage removal line before Stage I removal.
- 9. Excavation for wingwalls shall be considered included in cost of concrete structures.
- 10. Soil borings taken at this structure indicate that the ground water elevation may be above the bottom of footing elevation. The Contractor shall be responsible for dewatering the excavation as necessary for removal of the existing foundations and construction of the new work. The Contractor may use either well points or dewatering wells. Ground water level may be affected by Timothy Creek and fluctuations should be expected. Cost included with Three-Sided Precast Concrete Structures.
- 11. Backfill material shall be installed as noted on the provisions for Three Sided Precast Concrete Structure. The backfill material gradation, compaction and installation method shall conform to the pre-cast structure manufacturer's requirements. This work shall be included in the contract unit price per meter (foot) for Three Sided Precast Concrete Structures of the size specified, as indicated in the provisions and plan notes.

TOTAL BILL OF MATERIA	\LS			
ITEM	UNIT	SUPER	SUB	TOTAL
STONE RIPRAP, CLASS A4	SQ YD			402
REMOVAL OF EXISTING STRUCTURES	EACH			1
CONCRETE STRUCTURES	CU YD		74.9	74.9
REINFORCEMENT BARS	POUND		5900	5900
REINFORCEMENT BARS, EPOXY COATED	POUND		1280	1280
FURNISHING METAL PILE SHELLS 12"	FOOT		2003	2003
DRIVING AND FILLING SHELLS	FOOT		2003	2003
TEST PILE METAL SHELLS	EACH		1	1
TEMPORARY SHEET PILING	SQ FT			2046
NAME PLATES	EACH	1		1
THREE-SIDED PRECAST CONCRETE STRUCTURES 36'X11'	FOOT	41.9		41.9
BAR SPLICERS	EACH		24	24
FILTER FABRIC	SQ YD			402

For Quantity of Steel Plate Guardrail, Attached to Structures see roadway plans.

Index of Bridge Plans

- 1. General Plan
- 2. General Notes and Bill of Materials
- 3. Construction Staging Details
- 4. Footing Details
- Pile Layout
- 6. Corner Details
- 7. Wingwall Details
- 8. Bar Splicer Assembly Details
- 9. Temporary Concrete Barrier Details
- 10. Concrete Pile Details
- 11-12. Soil Borings

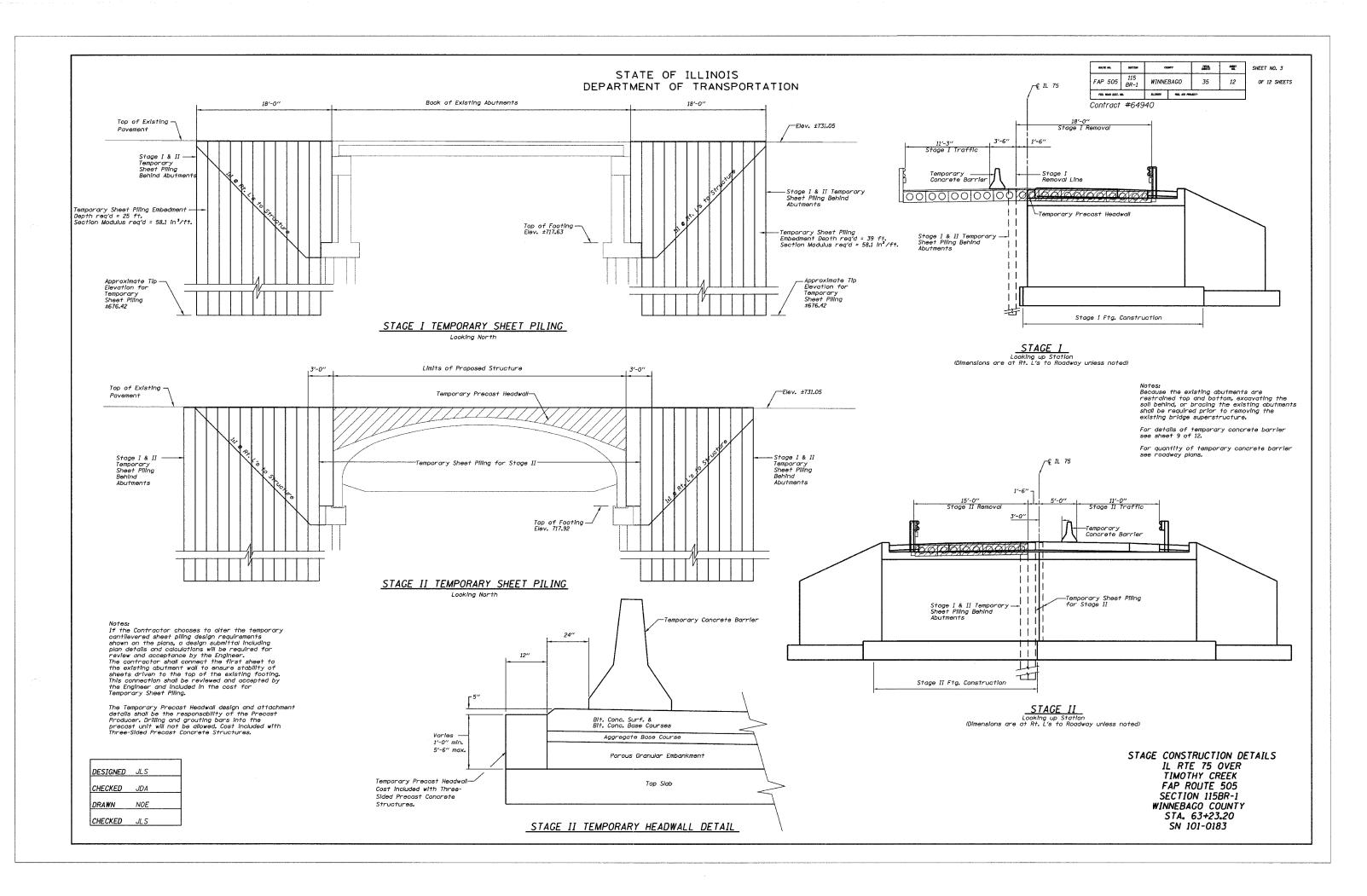
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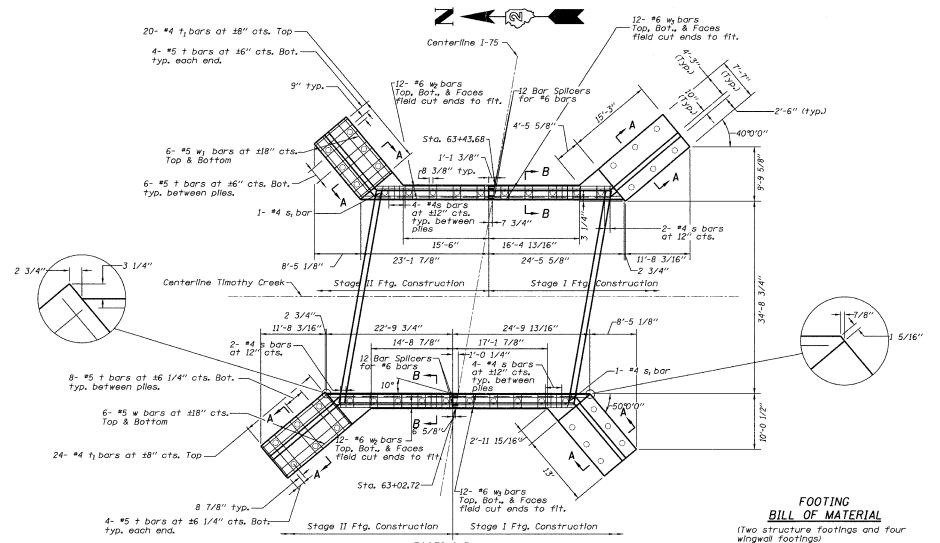
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GENERAL NOTES AND BILL OF MATERIALS
IL RTE 75 OVER
TIMOTHY CREEK
FAP ROUTE 505
SECTION 115BR-1
WINNEBAGO COUNTY
STA. 63+23.20
SN 101-0183

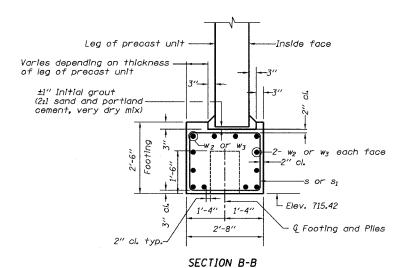


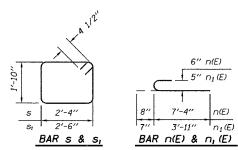
*ET SHEET NO. 4 115 BR-1 FAP 505 WINNEBAGO **3**5 13 OF 12 SHEETS PED. ROMO DEST. MO. ELINOIS FED, AED PRINCES

Contract #64940



FOOTING PLAN





Notes: See sheet 6 of 12 for Corner Detalls. See sheet 7 of 12 for Section A-A. See sheet 7 of 12 for n(E) and n_I(E) bar placement and spacing.

#4 9'-1" #4 9'-5"

Concrete Structures Cu Yd

Reinforcement Bars Pound 3970

1280

2003

2003

1

Pound

Foot

Foot

Fach

Reinforcement Bars designated (E) shall

Each 24

Reinforcement Bars,

Furnishing Metal Pile

Driving and Filling

be epoxy coated.

Test Pile Metal

Bar Splicers

Epoxy Coated

Shells 12"

Shells

Shells

Excavation for Three-Sided Structure and Wingwalls will not be paid for separately but shall be considered included in the cost for Concrete Structures and Three-Sided Precast Concrete Strutures.

> WORK THIS SHEET WITH SHEET 7.

> > FOOTING DETAILS IL RTE 75 OVER TIMOTHY CREEK FAP ROUTE 505 SECTION 115BR-1 WINNEBAGO COUNTY STA. 63+23.20 SN 101-0183

CHECKED	JLS
DRAWN	NOE
CHECKED	JDA
DESIGNED	JLS

Z

SHEET NO. 5 115 BR-1 FAP 505 **WINNEBAGO** 35 FEIL MONO DOST, MO.

OF 12 SHEETS

Contract #64940

PILE DATA

Type: 12" Ø Metal Shells East Abutment

Capacity: 43 Ton Est. Length: 45'

No. Required: 9 Plus 1 Test Pile

West Abutment

Type: 12" Ø Metal Shells Capacity: 43 Ton Est. Length: 53' No. Required: 10

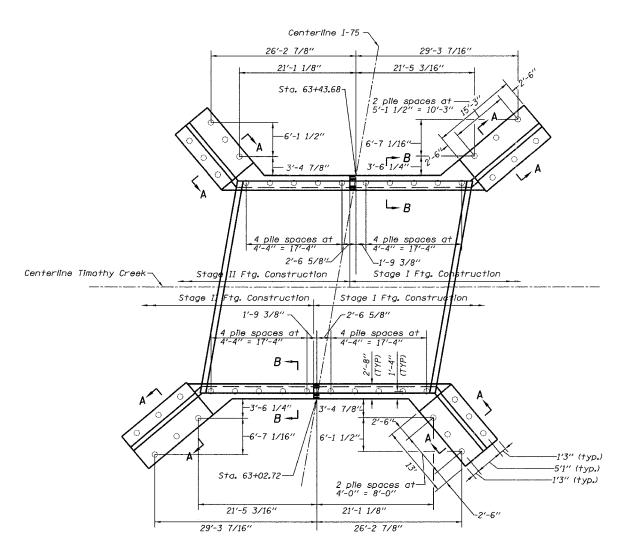
East Wingwalls

Type: 12" Ø Metal Shells Capacity: 32 Ton Est. Length: 43'

West Wingwalls

Type: 12" Ø Metal Shells Capacity: 32 Ton Est. Length: 46' No. Required: 12

No. Required: 12



See Sheet 4 of 12 for Section B-B. See Sheet 7 of 12 for Section A-A.

DESIGNED JLS CHECKED JDA DRAWN NOE CHECKED JLS

PILE LAYOUT IL RTE 75 OVER TIMOTHY CREEK FAP ROUTE 505 SECTION 115BR-1 WINNEBAGO COUNTY STA. 63+23.20 SN 101-0183

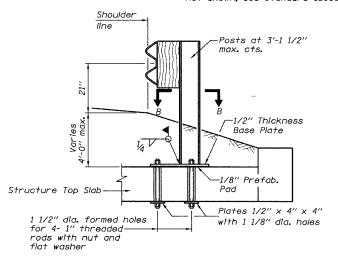
SMEET ME SHEET NO. 6 TOTAL SHETTS 115 BR-1 35 FAP 505 WINNEBAGO 15 OF 12 SHEETS FEEL MONE CEST. MO. SUBMIS FEEL AND PROJECT

Contract #64940

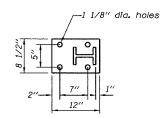
Posts shall be installed plumb by mounting baseplate flush against Top Slab and cutting posts to match slope.

For quantity of Steel Plate Guardrail Attached to Structure see roadway plans.

For details of guardrail elements not shown, see Standard 630001.



GUARDRAIL ATTACHMENT DETAIL

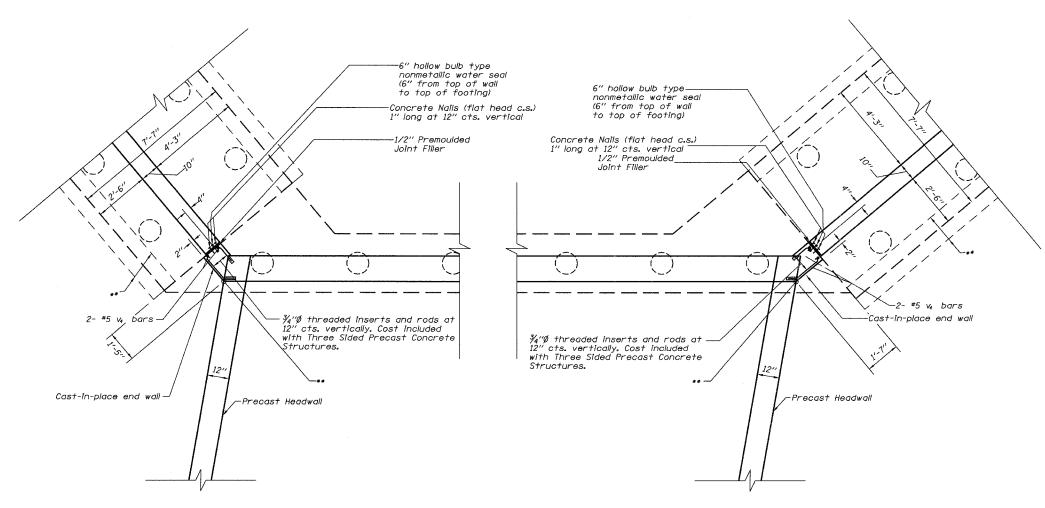


SECTION B-B

Note:
The contractor shall coordinate placement of guardrall posts for steel plate beam guardrall attached to structures with the precast supplier for the three sided concrete structure. Posts shall be located to provide adequate edge distance for anchor bolts for post base plates near joints in precast concrete segments. Post locations may be adjusted perpendicular to the guardrall by increasing the depth of the wood blockout by up to 6"

CORNER DETAILS IL RTE 75 OVER TIMOTHY CREEK FAP ROUTE 505 SECTION 115BR-1 WINNEBAGO COUNTY STA. 63+23.20 SN 101-0183

Notes: Precast headwall details shall be submitted to the Engineer For Approval. Cost of Precast Headwalls, PJF, Waterseal, and nails shall be Included with cost of Three-Sided Precast Concrete Structures.



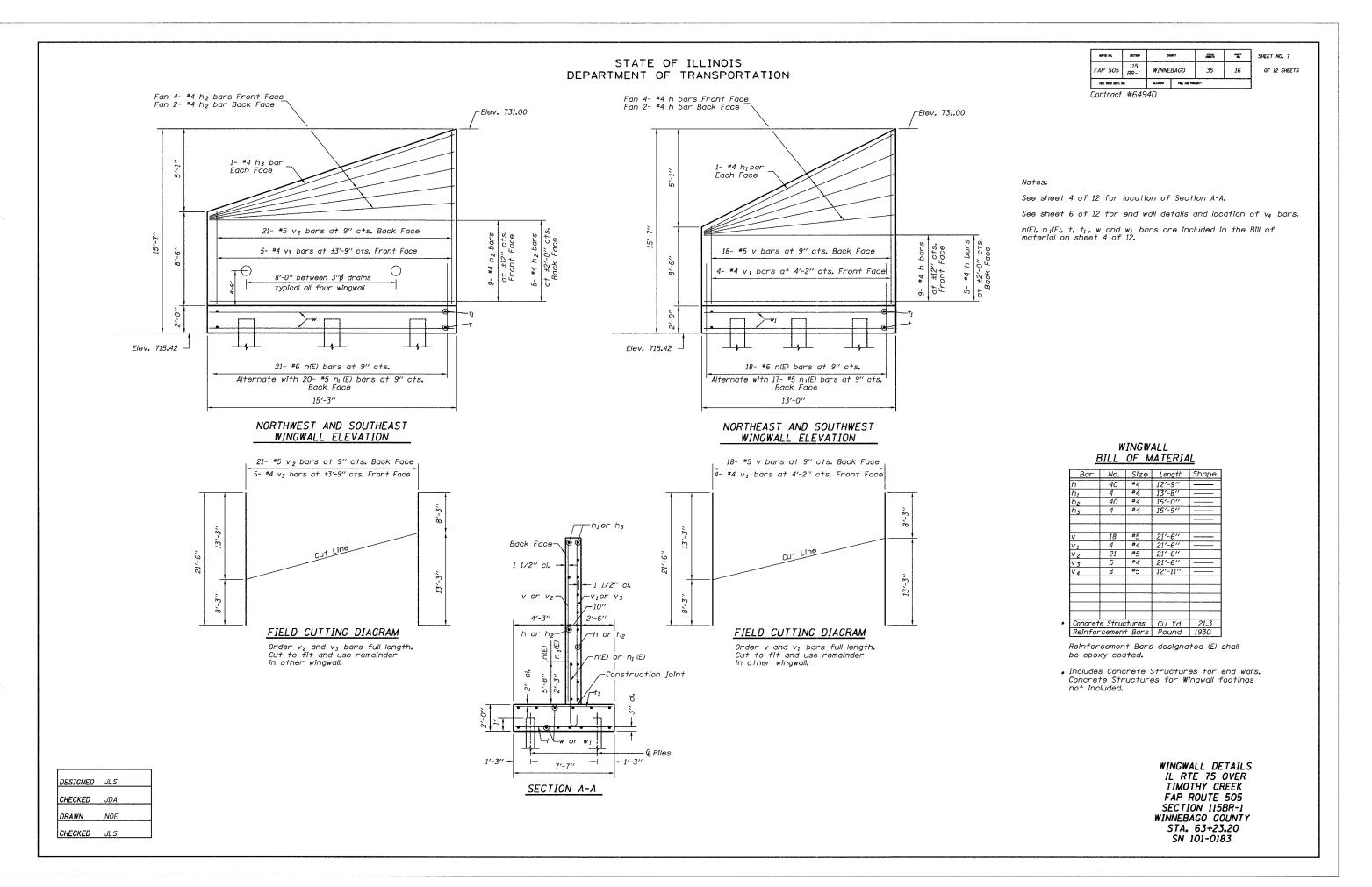
NORTHEAST AND SOUTHWEST CORNER DETAIL

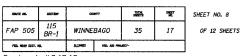
NORTHWEST AND SOUTHEAST CORNER DETAIL

EThe location of the inside corner of the precast leg may vary due to tolerances in the precast segments. The cast-in-place end walls shall be poured after the precast units and headwall are in place. The wing footings and wingwalls shall be poured after the headwalls and end walls are in place. A slight adjustment in the placement of the wingwall and its footing may be necessary to align the wingwall with the end wall as shown.

** The location of the inside corner of the precast

DESIGNED JLS CHECKED JDA DRAWN NOE CHECKED JLS





Contract #64940

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:

Minimum Capacity (Tension in kips) = 1.25 x fy x A_t

(lension iii kipo, Minimum *Pull-out Strength = 1.25 x fs_{allow} x A_t

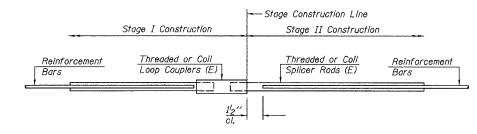
Where fy = Yield strength of lapped reinforcement bars in ksi.

fs_{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											
5 6 4		Strength Requirements									
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length		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	<i>18.0</i>								
#8	4′-6′′	58 . 9	23.6								
#9	5′-9″	75.0	30.0								
#10	7′-3′′	95.0	38.0								
# <u>11</u>	9'-0''	117.4	46.8								

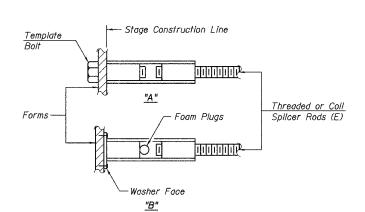
Bar splicer assemblies shall be according to Section 508 of the Standard Specifications, except as noted. The furnishing and installation of bar splicer assemblies will be measured and paid for at the contract unit price each for "BAR SPLICERS."



STANDARD

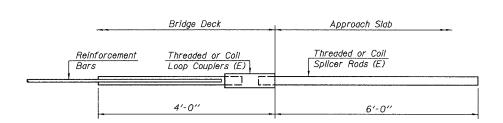
Bar Size	No. Assemblies Required	Location
#6	24	Footing
· · · · · · · · · · · · · · · · · · ·		

BAR SPLICER ASSEMBLY DETAILS IL RTE 75 OVER TIMOTHY CREEK FAP ROUTE 505 SECTION 115BR-1 WINNEBAGO COUNTY STA. 63+23.20 SN 101-0183



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.



ROLLED THREAD DOWEL BAR

** ONE PIECE

WELDED SECTIONS

BAR SPLICER ASSEMBLY ALTERNATIVES

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

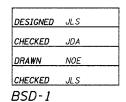
Wire Connector

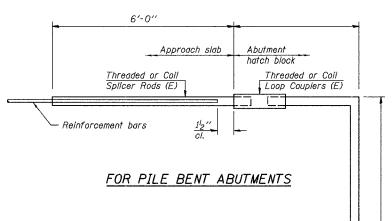
The diameter of this part is equal or larger than the

diameter of bar spliced.

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 =	





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

10-22-04

The diameter of this part

of the bar spliced.

is the same as the diameter

NOTES

Connect one (1) 1"x7"x10" steel P to the top layer of couplers with 2-58" \$\phi\$ bolts screwed to coupler at approximate & of

Connect one (1) 1'x''xIO'' steel $mathbb{R}$ to the concrete slab with $2^{-5}g''$ $mathbb{R}$ Expansion Anchors or cast in place inserts spaced between the

top layer of reinforcement at approximate & of

Detail I - With Bar Splicer or Couplers:

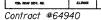
each barrier panel. Detail II - With Extended Reinforcement Bars:

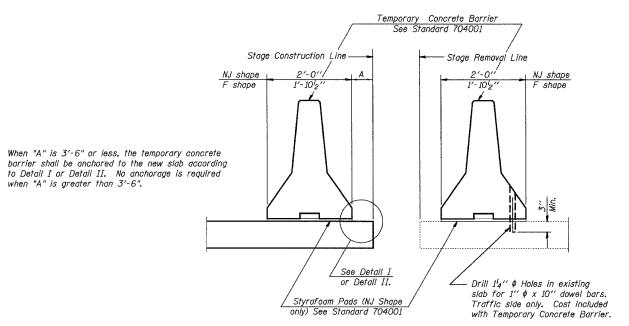
each barrier panel.

Cost of anchorage is included with Temporary Concrete Barrier.

ROUTE NO.	SECTION	000	MITY	7074L SMETS	SHEET NO.	SHEET NO. 9
FAP 505	115 BR-1	WINNE	BAGO	35	18	OF 12 SHEET
PSA. ROAD SIST. I	o.	STEMOS	MID. AED MID	MEET-		

OF 12 SHEETS



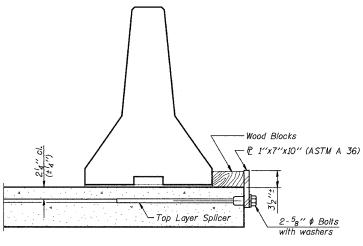


NEW SLAB

EXISTING SLAB

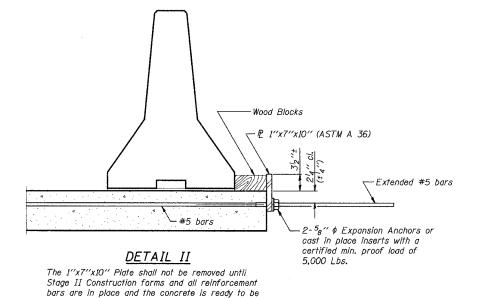
SECTIONS THRU SLAB

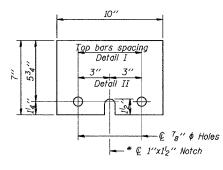
placed.



<u>DETAIL I</u>

The 1"x7"x10" Plate shall not be removed until Stage II Construction forms and reinforcement bars are in place.





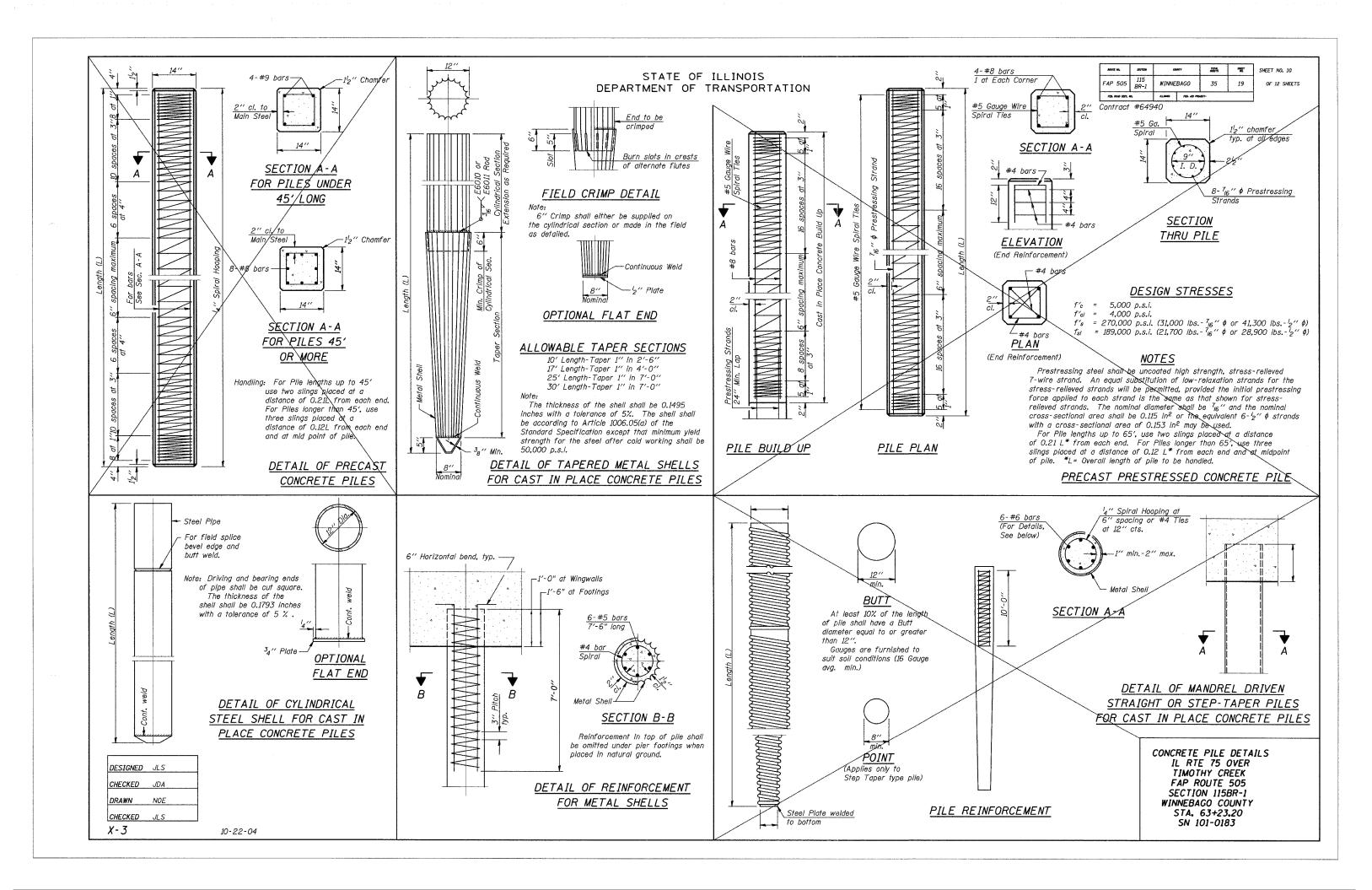
P 1"x7"x10"

* Required only with Detail II

DESIGNED JLS CHECKED JDA DRAWN CHECKED JLS R-27

10-22-04

TEMPORARY CONCRETE BARRIER DETAILS IL RTE 75 OVER TIMOTHY CREEK FAP ROUTE 505 SECTION 115BR-1 WINNEBAGO COUNTY STA. 63+23.20 SN 101-0183



Contract #64940

Illinois Dep of Transpo Division of Highways	rtation		,	SOIL BORING LOG					
ROUTE IL 75		P92	-091-	03 IL 75 over Timothy Creek, 1/2 mil east of Meridian Road	_ LO	GGED	Date BY		
SECTION				ton Twp NW, SEC. 31, TWP. 46N, RN					
COUNTY Winnebago	DRILLING METHOD		Ho	Ilow Stem Auger HAMMER TYPI			<u>c-</u>	-45	
STRUCT. NO. 70+94 BORING NO. B-1 Station 71+50	E F F F F F F F F F	B U L C D S W	M 0 1 S	Surface Water Elev. 89.0 Stream Bed Elev. 88.5 Groundwater Elev.: First Encounter 89.2	ft _	D E P T H	8 L 8	U C S Qu	M 0 1
Offset 10.00ff Rt CL Ground Surface Elev. 99.2			(%)	Upon Completion <u>Wash</u>			(/6")	(tsf)	(%)
Asphalt MEDIUM dirty brown SAND with some GRAVEL				Wash VERY LOOSE tan fine grained SAND	77.70		0 1 1		
LOOSE tan fine to medium grained SAND		4 3 4		Wash LOOSE tan fine SAND	75.20		0 2 3		
STIFF gray SILTY LOAM	– ;	4 3 1.2 6 P	17	Wash Same as above	72.70	-25 —	1 3 5		
LOOSE tan fine grained SAND		2 2 2 4		Wash MEDIUM tan fine SAND	70.20		3 4 7		
Same as above		2 3 4		Wash MEDIUM tan fine to medium grained SAND	67.70	-30	3 5 7		
VERY LOOSE tan medium grained SAND		0 0		Wash MEDIUM tan medium grained SAND	65.20		1 6 10		
VERY LOOSE tan fine grained SAND		0 0 1		Wash MEDIUM tan fine grained SAND	62.70		2 4 8		
Begin Wash VERY LOOSE tan fine to medium grained SAND		1 1 1		Wash MEDIUM tan fine SAND	60.20		3 5 6		
	-20					-40			<u> </u>

Illinois Depa of Transport	tatior	n			SOIL BORING LOG		5 1	. //	/
1001			P92	-091-	03 IL 75 over Timothy Creek, 1/2 mile		Date		
ROUTE IL 75					east of Meridian Road L				
SECTION		LOCAT	ION	Rock	ton Twp NW, SEC. 31, TWP. 46N, RNG. 1	Ē			
COUNTY Winnebago DR	ILLING N	/ETHOD		Но	ollow Stem Auger HAMMER TYPE	_	C	-45	
STRUCT. NO.		D B	U	М О	Surface Water Elev. 89.0 ft	D E	B L	U	N C
Station 70+94	_	P O	S	ı	Stream Bed Elev. 88.5 ft	P	0	S	
BORING NO. B-1		T W		S	Groundwater Elev.:	Ţ	W		5
Station 71+50 Offset 10.00ft Rt CL		H S	Qu	T	First Encounter 89.2 ft Tupon Completion Wash ft	. H	S	Qu	1
Offset 10.00ft Rt CL Ground Surface Elev. 99.2	ft	(ft) (/6")	(tsf)	(%)	Upon Completion Wash ft After Hrs ft	(ft)	(/6")	(tsf)	(%
Wash VERY LOOSE tan fine SAND		0			Wash MEDIUM tan fine SAND		2		
VERT LOOSE TUTT THE SAND	57.70	1 2					3 7		
	57.70	+-			37.7	· _	Ė		
Wash		1			Wash		1		
MEDIUM tan fine SAND		- 4			MEDIUM tan fine SAND		3		
	55.20	7			35.2	0	8		
Wash		-45 2			Wash	65	3		-
Same as above		- 4			MEDIUM tan fine SAND		8		
	52.70	9			32.7	0	15		
					*Pulled out on 1/10/04; went back down on 1/20/04 31.7		-		
Wash		4			Wash	<u> </u>	14	 	-
Same as above		7			VERY DENSE tan SANDY GRAVEL		25		
	50.20	11			30.2	0	29	\vdash	
		-50				-70			
Wash MEDIUM tan fine SAND		4			Wash MEDIUM tan coarse grained		6		
MEDIUM INI THE SAND	47.70	10			SAND with some GRAVEL		10 20		
	47.70				End of Boring	<u>v</u>	1		
]		
Wash DENSE tan fine grained SAND		5 10							
J	45.20	- 26				_			
					1	_]		
Wash		55 13	<u> </u>		4	75			
Same as above		- 13 17							
	42.70	27]		
					1		1		
Wash		7			1		-		
DENSE tan SANDY GRAVEL		18				_	1		
	40.20	25	ļ		1				
		-60			1		1		ĺ

The Unconfined Compressive Strength (UCS) Foilure 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 1206)

BBS, from 137 (Rev. 8-99)

DESIGNED JLS

CHECKED JDA

DRAWN NOE

CHECKED JLS

SOIL BORINGS
IL RTE 75 OVER
TIMOTHY CREEK
FAP ROUTE 505
SECTION 115BR-1
WINNEBAGO COUNTY
STA. 63+23.20
SN 101-0183

MOUTE MD.	SECTION	con	MTY	107.4L S402.7S	SMEET	SHEET NO. 12
FAP 505	115 BR-1	WINNE	BAG0	35	21	OF 12 SHEETS
PED. AGNO DEST. I	۵.	AL PIOS	700. AD 780	AUT-		

Contract #64940

of Transp Division of Highways			SOIL BORING LOG		Date	1/2	21/04
ROUTE IL 75	DESCRIPTION	P92-091-	03 IL 75 over Timothy Creek, 1/2 m east of Meridian Road	LOGGE	D BY	C. Je	enkins
SECTION	LOCA	TION <u>Rocl</u>	kton Twp NW, SEC. 31, TWP, 46N, R	NG. 1E			
COUNTY Winnebago	_ DRILLING METHOD	Н	ollow Stem Auger HAMMER TYP)E	С	-45	
	P O T W H S	U M C 0 S I S S Qu T	Surface Water Elev.	ff P T ff ▼ H) (/6")	U C S Qu (tsf)	M 0 1 S T (%)
Asphalt STIFF tan/gray SANDY LOAM		1.2 15 P	Same as above (continued)	78.80	$\begin{bmatrix} 2\\3\\4 \end{bmatrix}$		
MEDIUM tan/gray SILTY LOAM	97.80 2 2 96.30 3	0.7 20 P	Begin Wash LOOSE tan fine SAND	76.30	2 3 5		
STIFF black SILTY LOAM	93.804	1.2 26 P	Wash Same as above	73.80	25 2 3 6		
MEDIUM gray SANDY LOAM	91.30 2	0.7 14 P	Wash MEDIUM tan fine SAND with some GRAVEL	71.30	4 8 8		
MEDIUM gray/black SILTY LOAM	-10 2 - 2 - 2	0.7 P	Wash MEDIUM orange fine SAND with some GRAVEL	68.80	50 4 6 10		
LOOSE tan fine SAND	86.30 2 3			66.30			
Same as above	-15 1 - 2 83.80 2		Wash MEDIUM tan fine SAND	63.80	35 5 10 11		
Same as above	81.30			61.30			
Same as above	-20			_	40		

Illinois Depo of Transpor Division of Highways	tation		SOIL BORING LOG				
		P02001	-03 li 75 avar Timathy Craals 1/2 n	مااه	Date	1/21	1/
ROUTE IL 75	DESCRIPTION	F92-091	-03 IL 75 over Timothy Creek, 1/2 n east of Meridian Road	LOGGI	ED BY	C. Jer	nk
SECTION	LOCATI	ON <u>Roc</u>	kton Twp NW, SEC. 31, TWP. 46N,	RNG. 1E			
COUNTY Winnebago D	RILLING METHOD	н	ollow Stem Auger HAMMER TY	(PE	С	~45	_
STRUCT. NO. 70+94 BORING NO. B-2 Station 70+40	D B E L P O T W H S	U M C 0 S I S Qu T	Surface Water Elev. 89.0 Stream Bed Elev. 88.5 Groundwater Elev.: First Encounter 87.8	_ ff	L O W	U C S Qu	1
Offset 10.00ft Lt CL Ground Surface Elev. 99.8	ft (ft) (/6")	(tsf) (%)			t) (/6")	(tsf)	(
Wash MEDIUM gray/tan fine SAND (continued)	58.80 3 6 9		Wash MEDIUM tan fine SAND with some GRAYEL (continued)	38.80	6 13 18		
	56.30			36.30			
Wash LOOSE tan fine SAND	-45 1 2 -53.80 5	-	Wash MEDIUM tan fine SAND	33.80	65 8 11 14		
	51,30			31,30	odina.		
					_		
Wash LOOSE tan fine SAND	-50 1 2 2 3		Wash MEDIUM tan SANDY GRAVEL	28.80	70 5 11 16		
	_			 			
	46.30			26.30			
Wash MEDIUM tan fine SAND	55 2 5 5 7		Wash VERY DENSE tan well-cemented SANDY GRAVEL	23.80	75 18 34 36		
			End of Boring				
	41.30						
	-60		-		80		

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)

DESIGNED JLS

CHECKED JDA

DRAWN NOE

CHECKED JLS

SOIL BORINGS
IL RTE 75 OVER
TIMOTHY CREEK
FAP ROUTE 505
SECTION 115BR-1
WINNEBAGO COUNTY
STA. 63+23.20
SN 101-0183

PLANS FOR PROPOSED STATE BOND ISSUE HIGHWAY

SCALES PLAN 1 INCH 100 PT.
PROPIE, HOR. 1 INCH 100 PT.
PROPIE, VERT. 1 INCH 10 PT.
CROSS-SECTIONS 1 INCH 5 PT.

SBI ROUTE 75 SEC. II5 BR WINNEBAGO COUNTY

C-92-047-71 SECTION 115BR

INCLUDES Reconstruction of the Superstructure and Portions of the Substructure of the Bridge Corrying SBI Route 75 (ILL.75) Over the County Ditch Flowing North to the Sugar River; Spans I @ 38-43/4" at Station 70+94 and all Other Work Necessary to Complete the Section.

LAYOUT I INCH = I MILE -SECTION 115BR BEGINS STA. 69+76.5 -SECTION 115BR ENDS STA.72+11.5

> GROSS LENGTH OF SECTION =235.0 Lin.Ft. = 0.045 Miles NET LENGTH OF SECTION=235.0 Lin.Ft. = 0.045 Miles

カード6

SBI 75 IISBR WINNEBAGO 6

P-92-010-70 (201)



	DEPAR	STATE OF	TAL YSP	R FATION	
ti nvents	<u> </u>	Sy &	3 2	<u>z</u>	
HIMARE	<u> </u>	eri/ 3		3	EF EMOLANIA ,
	00	Day	las	PAIM AND	CONTRACTO
744065		216 B	aun	a Laddo	
APPROV	••	pril i	3_,,7	ع اسمام	uml
	ACT	ING EHER	TRANSPO	ATATION, E	HOMEER

INDEX OF SHEETS

SUMMARY OF QUANTITIES, GENERAL NOTES, SCHEDULE OF QUANTITIES & TYPICAL SECTION

2.113-1 NAME PLATE

2305-2

2309-27.

2115-3 PAVEMENT FABRIC

2239-5 WIDENING & SHOULDERS

2230-7 STEEL PLATE BEAM GUARD RAIL

2231-3 APPLICATION OF STEEL PLATE BEAM GUARD RAIL

The Property of

2298-3. APPLICATION OF TRAFFIC CONTROL DEVICES 2299-4 DESIGN OF TRAFFIC CONTROL DEVICES 2300 FLAGMAN TRAFFIC CONTROL SIGN

L COVER SHEET \$ INDEX OF SHEETS

3. GENERAL PLAN B. ELVATION 4 APPROACH DETAILS 5. SUPER STRUCTURE

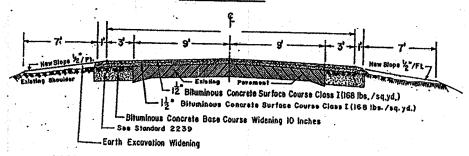
6. TYPE W STEEL RAILING 7 WEST ABUTMENT & EAST ABUTMENT

STANDARDS

TYPICAL SECTIONS

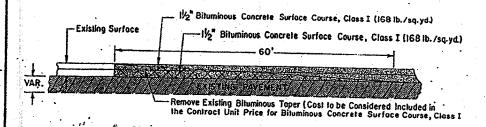
NO SCALE

MAIN LINE



NOTE: The thickness of Bituminous Mixture shown on the plans is the nominal thickness. Deviations from the nominal thickness will be permitted when such deviations occur due to irregularities in the existing base or surface on which the Bituminous Mixture is placed.

BUTT JOINT



GENERAL NOTES

DISTRICT ENGINEER DISTRICT ENGINEER

THE CONTRACTOR SHALL ERECT THE BARRICADES CONFORMING TO STANDARDS 2298 & 2299

AT THE LOCATIONS WHERE EXCAVATION QUANTITIES ON THE PLANS ARE INDICATED AS HAVING BEEN ESTIMATED, THE ENGINEER WILL OBTAIN ORIGINAL AND FINAL CROSS SECTIONS TO DETERMINE PAY QUANTITIES.

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 PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

THE CONTRACTOR SHALL REMOVE ALL DELINEATORS AND GUARD RAIL WHICH ARE NOT TO BE LEFT IN PLACE, UNUSABLE MATERIAL SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE. SALVAGEABLE MATERIAL SHALL BE STORED ON THE STATES RIGHT OF WAY AND SHALL BECOME THE PROPERTY OF THE DIVISION OF HIGHWAYS OF THE STATE OF ILLINOIS.

SUMMARY OF QUANTITIES

	HEET MAL	TOTAL S	COUNTY .	sto,	ROUTE NO.
SBI 75 115BR WINNEBAGO 8 2	2	8			

CODE NO.	<u>ITEM</u>	CONSTRUCTION TYPE	CODE XOBO QUANTITY
201001. 202004 **	TREE REMOVAL (6 TO 15 INCH DIAMETER) EARTH EXCAVATION (MIDENING)	IN DIA	50
306007	BITUMINOUS CONCRETE BASE COURSE WIDENING 8 INCH	CU YD	8 .
406008 **	BITUMENOUS CONCRETE SURFACE COURSE CLASS I	SQ YD	35
408005	PORTLAND CEMENT CONCRETE PAVENENT 10 INCH	TON	88
408013	PAVEMENT FABRIC	SQ YO	33
501016		SQ YD	33
501022	REMOVAL OF EXISTING SUPERSTRUCTURE CONCRETE REMOVAL	EACH	1
501026		CU YD	10.4
504003	EXPANSION BOLTS 3/4 INCH	EACH	104.
	CLASS X CONCRETE	CU YO	16.6
505001 *	PRECAST CONCRETE BRIDGE SLAB	SQ FT	299
505004.**	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	1261
508012	STEEL RAILING, TYPE W	LIN FT	138
512001	REINFORCEMENT BARS	POUND	2120
620026	PAVEMENT REMOVAL AND PORTLAND CEMENT CONCRETE REPLACEMENT TYPE 2 10 INCH	SQ YD	9.
628001 *	STEEL PLATE BEAM SUARD RAIL, SINGLE RAIL	LIN FT	300
628015	TEMPORARY GUARD RAIL	LIN FT	. 39
633002	MODD GUARD RAIL REMOVAL	LIN FT	160
646002	ENGINEER'S FIELD OFFICE, TYPE B	EACH	
X62801 *	TERMINAL SECTION SINGLE RAIL		1
Z10178#	COAL TAR INTERLAYER PROTECTIVE COAT	EACH	4
-XZJ014*	TRAFFIC CONTROL, & PROTECTION STANDARD 2309	SQ YO	158
		EACH	1

* SEE SPECIAL PROVISIONS

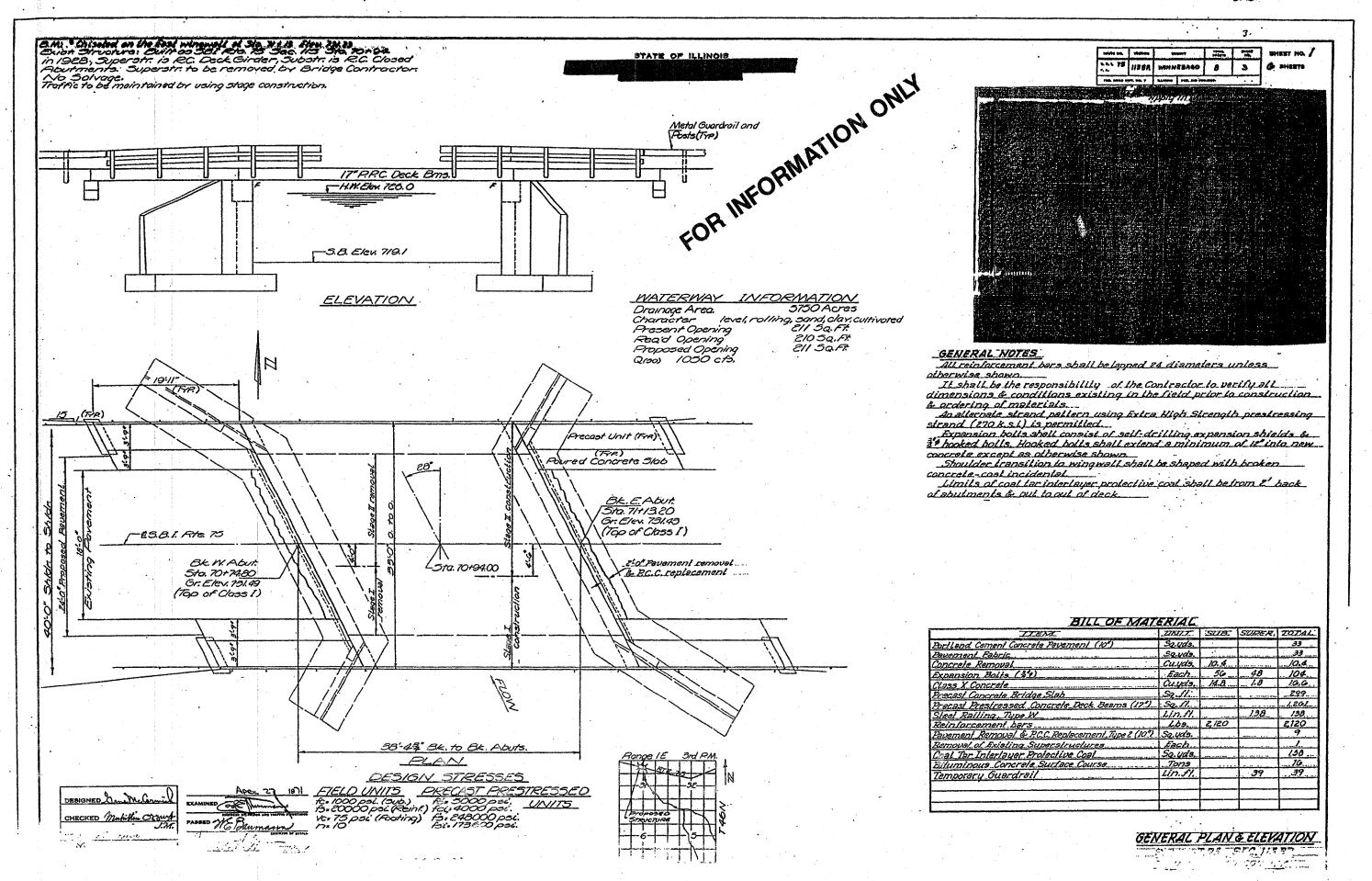
SCHEDULE OF QUANTITIES

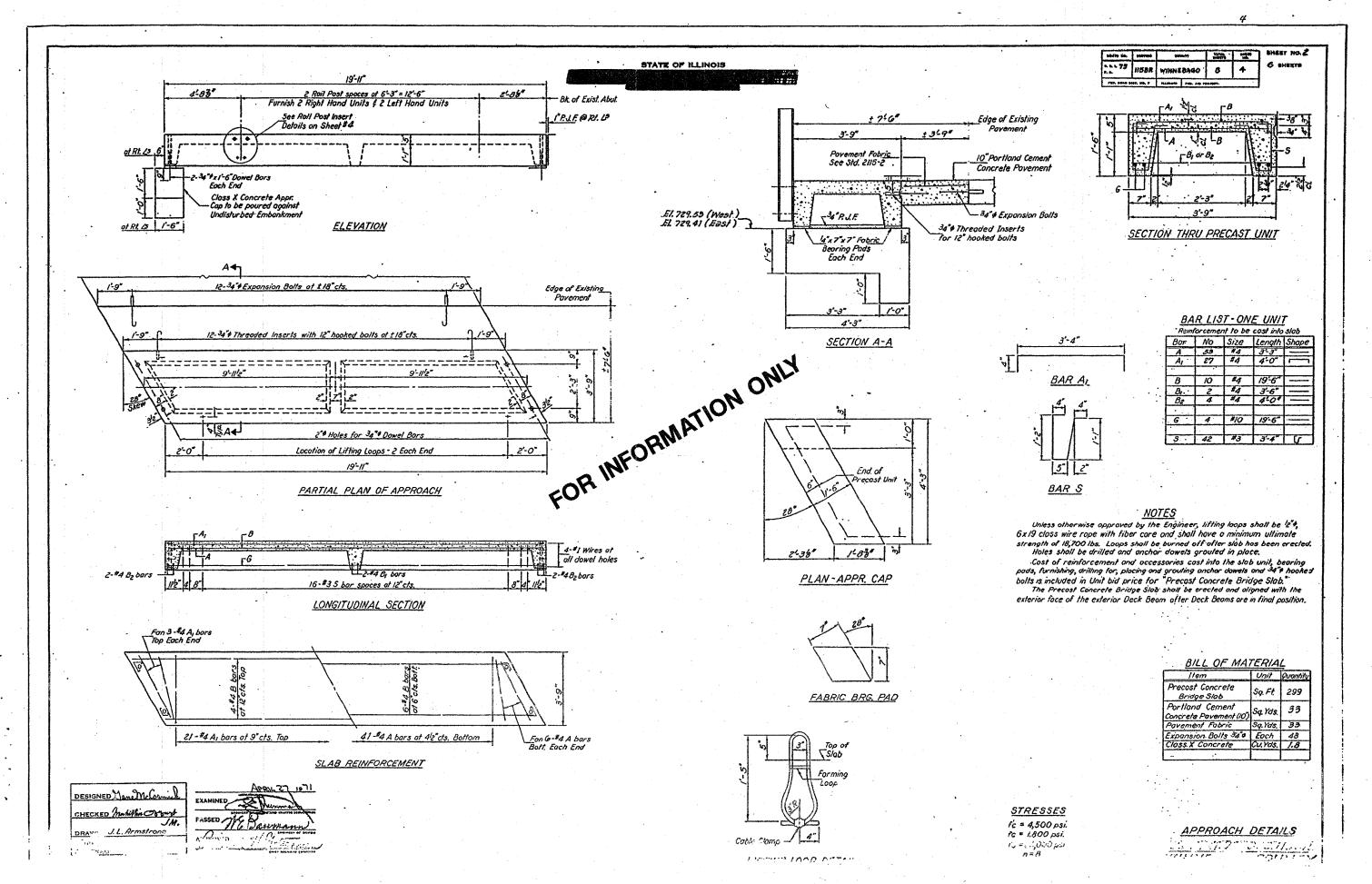
TREE REMOVAL (6-15 INCH DIAMETER)	· <u>.</u>			٠.	
ENTIRE SECTION			•	50	IN DIA
EARTH EXCAVATION (WIDENING)					
ENTIRE SECTION	•		•	8	CU YDS
BITUMINOUS CONCRETE BASE COURSE WIDENING 8"					
ENTIRE SECTION			•	_35	SQ YDS
HITUMINOUS CONCRETE SURFACE COURSE, CLASS I					
MINLINE		• •		16 72	
#	*	TOTAL		88	TONS
TEEL PLATE BEAM GUARD RAIL, SINGLE RAIL NTIRE SECTION (4 AT 75')	•	••		300	LIN FT
OCD GUARD RAIL REMOVAL					1-20-71
NTIRE SECTION (4 AT 40')				160	LIN.FT
NGINEER'S FIELD OFFICE, TYPE B					
NTIRE SECTION				1 .	EACH
EMMINAL SECTION, SINGLE RAIL	erbhad a				
NTIRE SECTION (1@each end=4)	•			4	E ACH
RAFFIC CONTROL & PROTECTION STANDARD 2309					
NTIRE SECTION				1	EACH

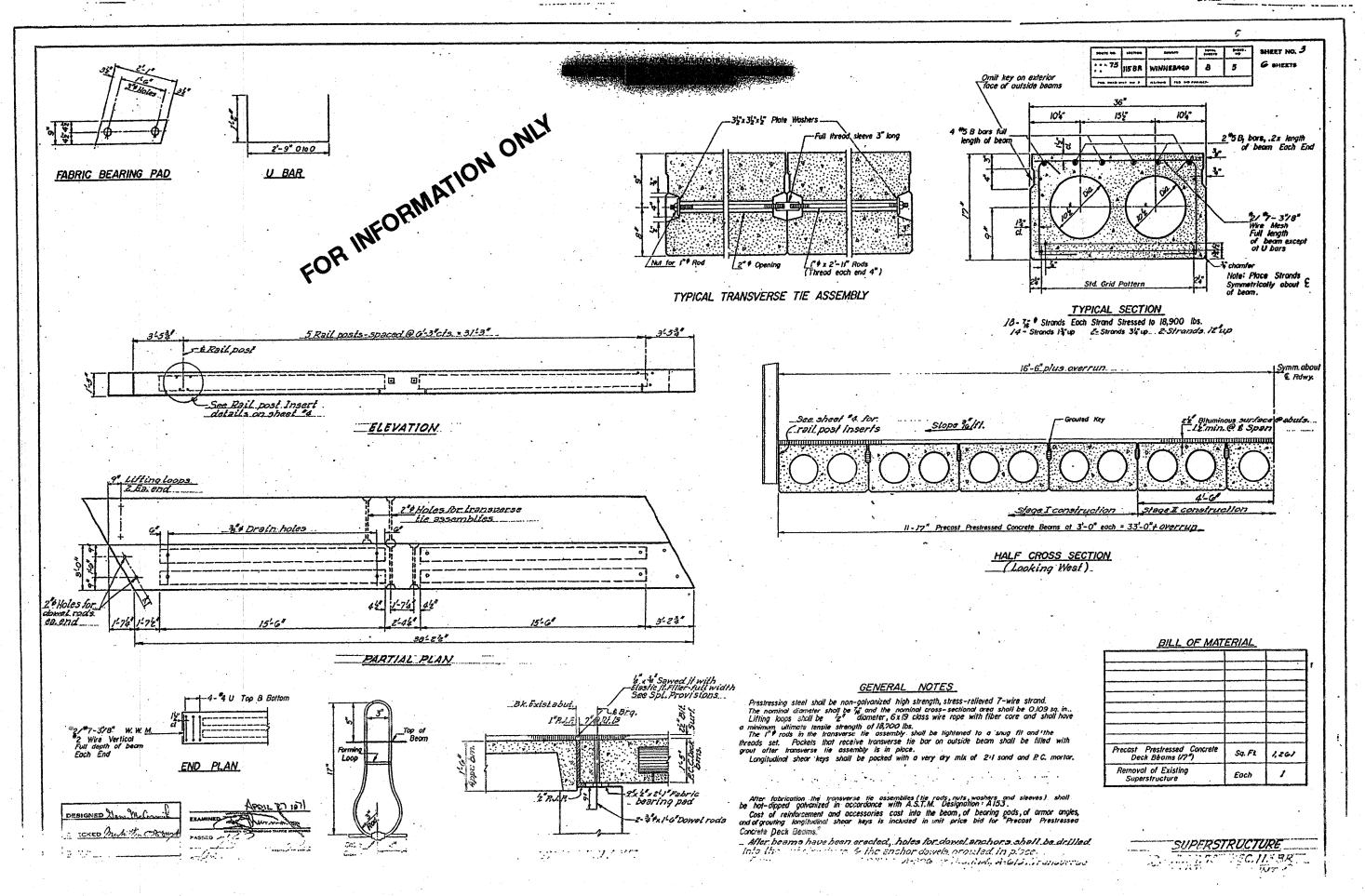
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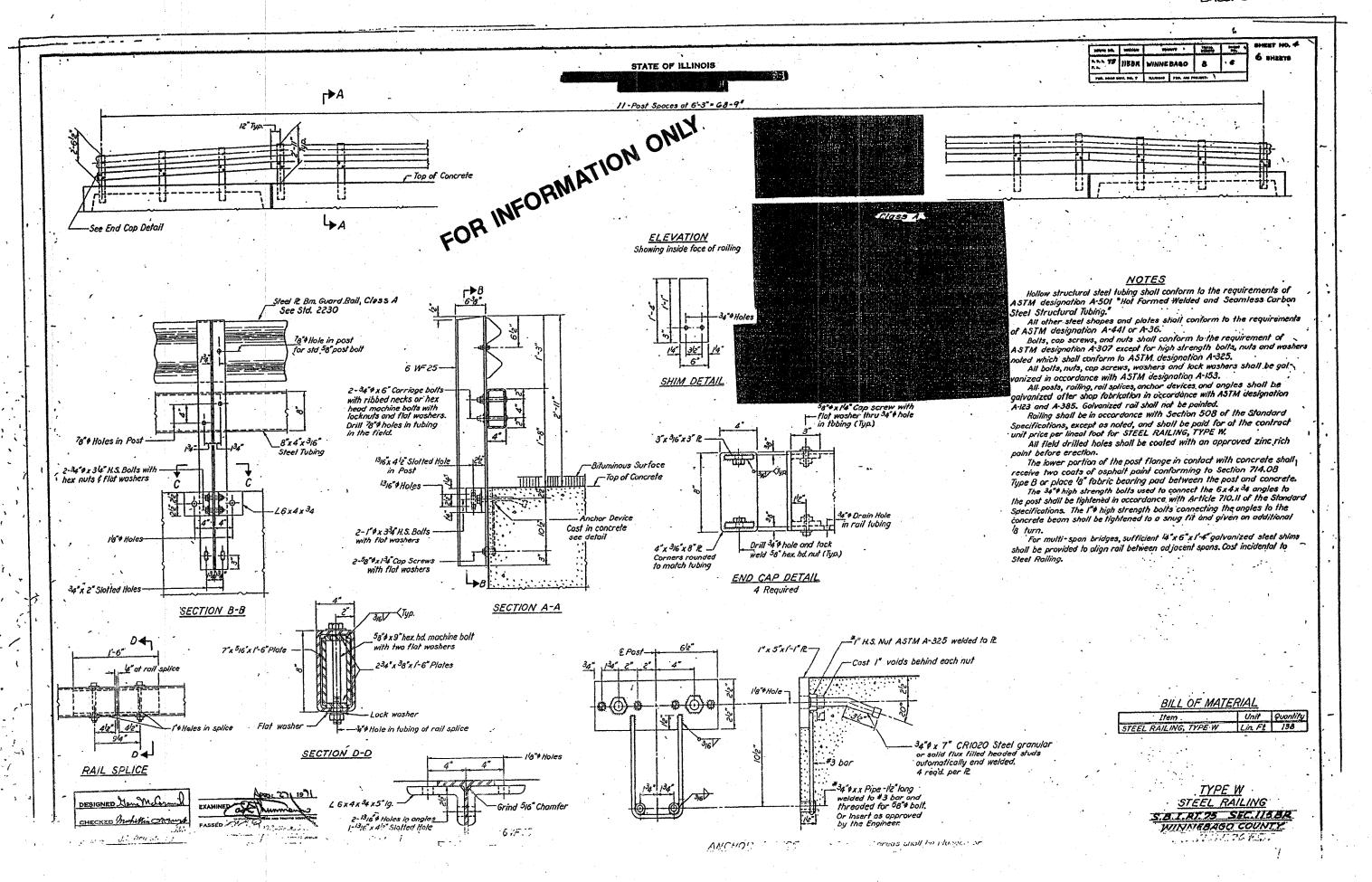
DILTRICT NO. 2

DIXON Cord 4 42-71

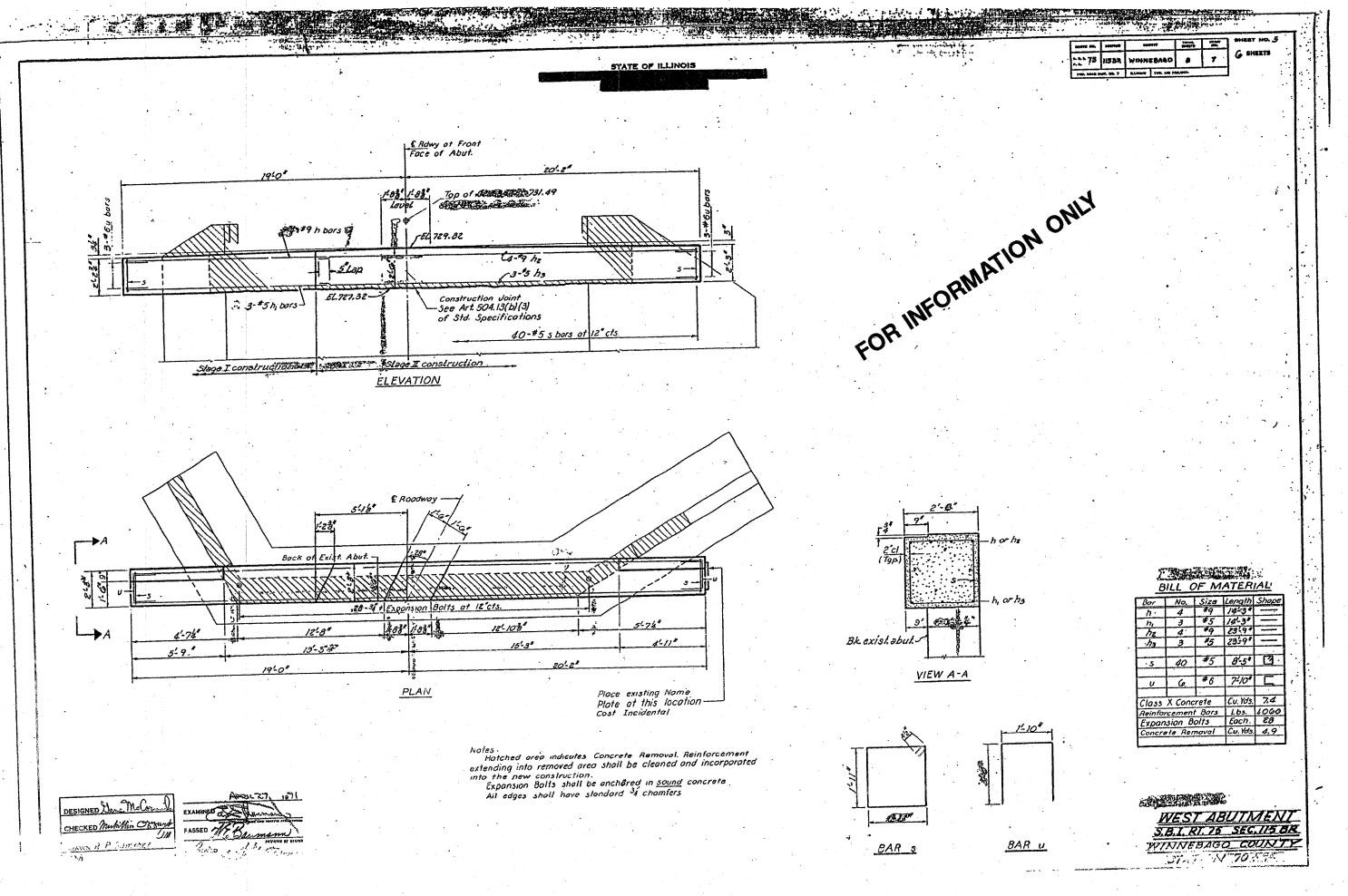


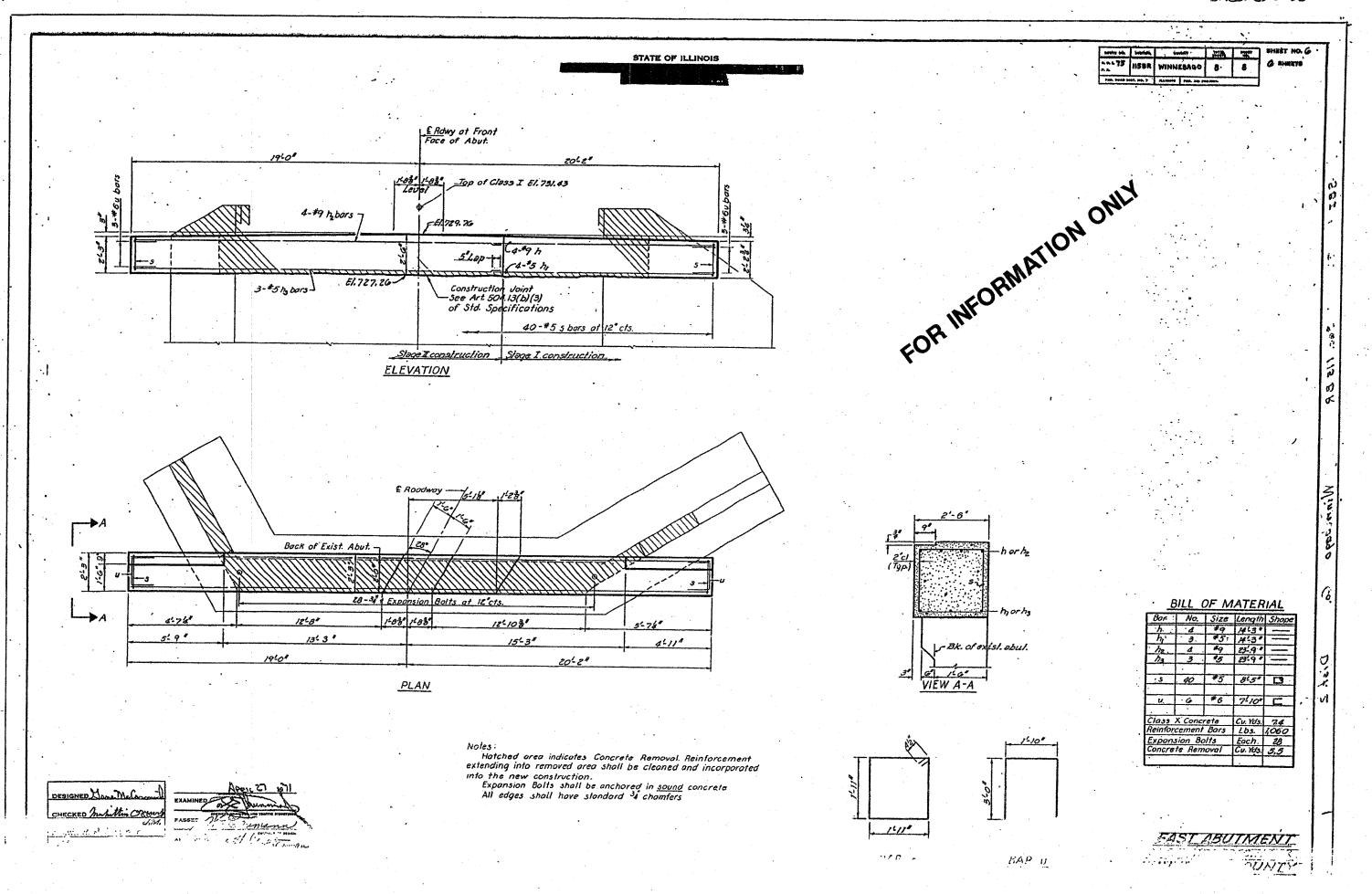




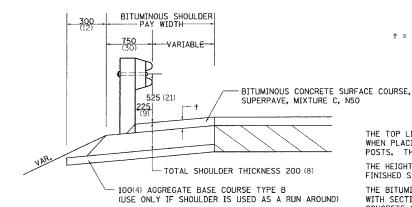


1 %





DETAIL OF BITUMINOUS SHOULDER AT GUARD RAIL



+ = SEE TYPICAL SECTIONS

GENERAL NOTES

THE TOP LIFT SHALL NOT BE PLACED BEHIND THE GUARDRAIL POSTS. WHEN PLACING THE TOP LIFT THE RAIL MUST BE REMOVED FROM THE POSTS. THE POST SHALL NOT BE REMOVED.

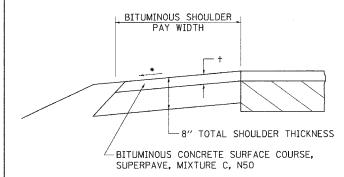
THE HEIGHT OF THE GUARD RAIL SHALL BE SET 525 (21) FROM THE

THE BITUMINOUS SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50, AND SQUARE METER (SQUARE YARD) FOR BITUMINOUS SHOULDERS SUPERPAVE OF THE THICKNESS SPECIFIED. THE REMOVAL & REINSTALLATION OF THE GUARDRAIL WILL BE INCLUDED IN THE COST OF THE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C. N50.

> ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

DETAIL OF BITUMINOUS SHOULDER AT GUARD RAIL 23.4

BITUMINOUS SHOULDER



† = SEE TYPICAL SECTIONS FOR THICKNESS

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

GENERAL NOTES

THE BITUMINOUS SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXTURE C, N50, AND SQUARE YARD FOR BITUMINOUS SHOULDERS SUPERPAVE OF THE THICKNESS SPECIFIED.

USE BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE. MIXTURE C, N50, WHEN RESURFACING EXISTING BITUMINOUS SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE,

REMOVAL OF MATERIAL FOR PLACEMENT OF THE BITUMINOUS SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

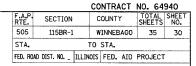
*4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

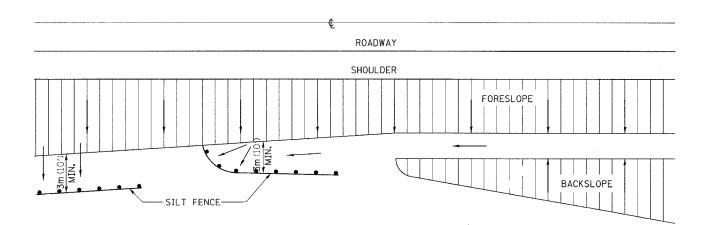
BITUMINOUS SHOULDER

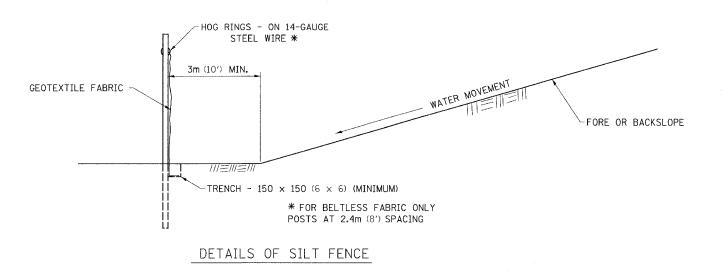
23.4a

REVISED 5-30-03

EROSION CONTROL DETAILS FOR SILT FENCE







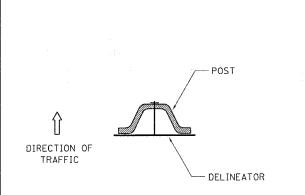
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

EROSION CONTROL DETAILS FOR SILT FENCE

29.2

REVISED 10-22-01

DELINEATOR AND POST ORIENTATION



DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHECD AS SHOWN ABOVE.

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

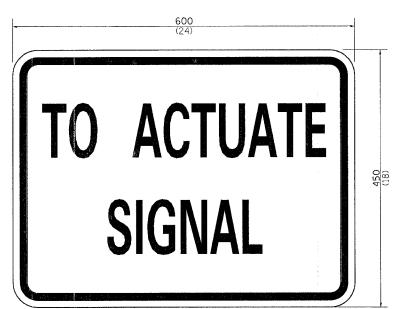
SECTION D-D

DELINEATOR AND POST ORIENTATION

37.4

STOP LINE SIGN FOR TEMPORARY SIGNALS

SECTION COUNTY WINNEBAGO 35 31 STA. TO STA. FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



SIZE: 600(24) × 450(18)

100(4) CAPITAL LETTERS - BLACK

13(1/2) BORDER - BLACK

WHITE REFLECTIVE - TYPE B ENGINEERING GRADE SHEETING

GENERAL NOTE:

THIS SIGN SHALL BE INSTALLED AT THE STOP LINE AS DIRECTED BY ENGINEER.

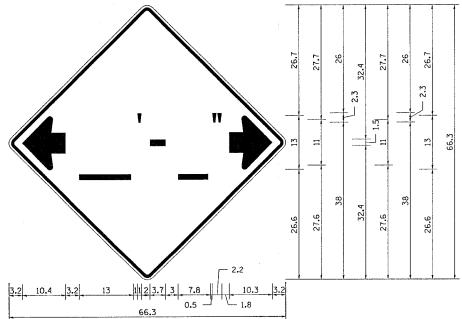
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

99.4

STOP LINE SIGN FOR TEMPORARY SIGNALS

REVISED 8-7-90

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



W12-2 - Horizontal Clearance Sign 48.0" across sides, 1.9" Radius, 0.8" Border, 0.5" Indent, Black on Orange; Standard Arrow Custom 10.4" X 8.1" 180° Black 11 Inch D Series Lettering: Standard Arrow

All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

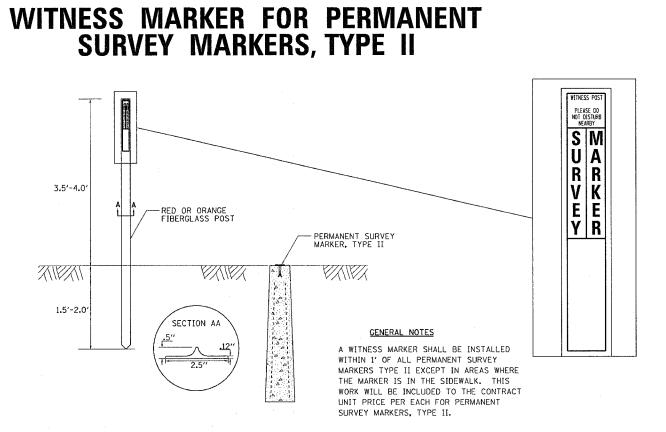
39.4

ALL DIMENSIONS ARE IN INCHES UNLESS

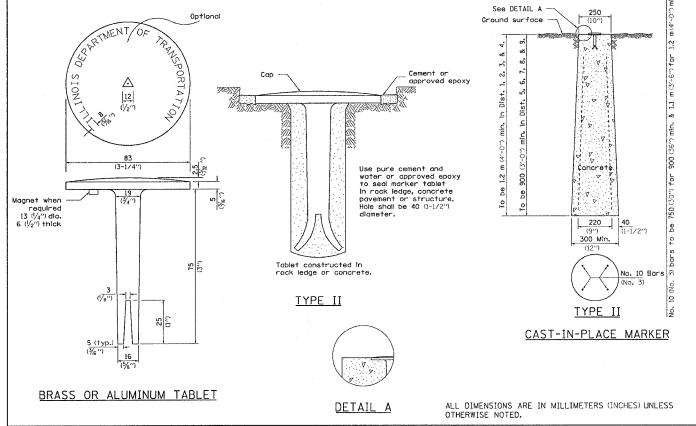
INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)

REVISED 6-29-05





PERMANENT SURVEY MARKERS, TYPE II



WITNESS MARKER & PERMANENT SURVEY MARKERS, TYPE II 66.2

