F.A.P. RTE	SECTION	COUNTY	TOTAL SHEET SHEET NO.
317	*	MCLEAN	41 1

FAU(AM, RTE.) ILLINOIS PROJECT: NHF-317(28)

*(((28,29,30)RRS-1&28BR

P-93-026-95

D-93-043-95

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

F.A.P. 317 (U.S. RTE 24)
SECTION ((28,29,30)R)RS-1&28BR
MCLEAN COUNTY
PROJECT: NHF-317(28)

C-93-113-95

INDEX OF SHEETS

STANDARDS

1686-5	SYMBOLS AND ABBREVIATIONS
2102-2	REINFORCED CONCRETE HEADWALLS FOR MULTIPLE (2 & 3) PIPE CULVERTS 375 mm (15") THRU 900 mm (36") DIAMETER AT RIGHT ANGLES WITH ROADWAY
2103-2	REINFORCED CONCRETE HEADWALLS FOR MULTIPLE (2 & 3) PIPE CULVERTS 1050 mm (42") THRU 1500 mm (60") DIAMETER AT RIGHT ANGLES TO ROADWAY
2113-4	DETAIL OF NAME PLATE FOR BRIDGES
2130-16	CONCRETE CURB & COMBINATION CURB & GUTTER
2135-1	PERMANENT SURVEY MARKERS
2171-1	MAILBOX TURNOUT
2228-5	METAL END SECTION FOR PIPE CULVERTS
2230-18	STEEL PLATE BEAM GUARDRAIL
2239-9	WIDENING AND SHOULDERS FOR PAVEMENT RESURFACING
2298-12	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR HIGHWAY CONSTRUCTION AND CONTRACT MAINTENANCE
2302-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES RURAL, 2-LANE, 2-WAY, OFF-ROAD OPERATIONS 4.5 M (15') TO 600 MM (24")
2303-10	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES RURAL LANE CLOSURE, DAY, 2-LANE, 2-DAY, ON-ROAD TO 600 MM (24") OFF-ROAD
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2307-10	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES RURAL LANE CLOSURE 2-LANE, 2-WAY, SHORT TIME OPERATIONS
2308-8	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES HIGHWAY CONSTRUCTION AND CONTRACT MAINTENANCE TWO-LANE, TWO-WAY TRAFFIC, RURAL DAY MOVING OPERATIONS
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2381-2	TEMPORARY EROSION CONTROL SYSTEMS
2396-1	TYPICAL PAVEMENT MARKINGS
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2426-4	CLASS B PATCHES
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2449-1	PRECAST REINFORCED CONCRET FLARED END SECTION
	INSTRUCTIONS FOR USING GLOSSARY
2323-14	PAVEMENT JOINTS

MICROFILMED _____

REEL NUMBER _____

AWARDED _____

RESIDENT ENGINEER _____

AS BUILT CHANGES WERE MADE

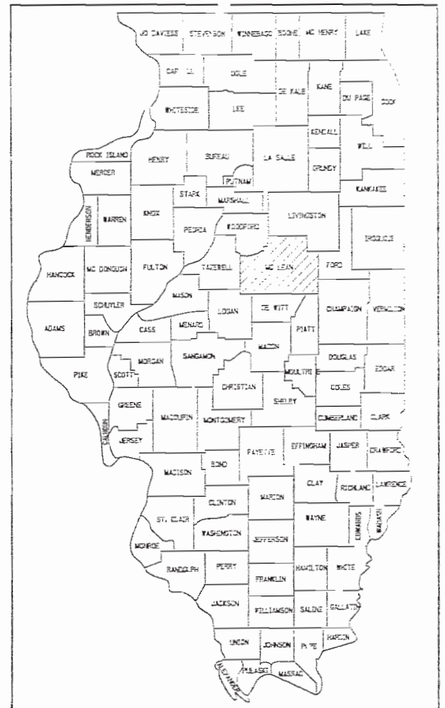
ON THE FOLLOWING SHEETS _____

JULIE 1-800-892-0123

DISTRICT 3 NO. (815) 434-6131

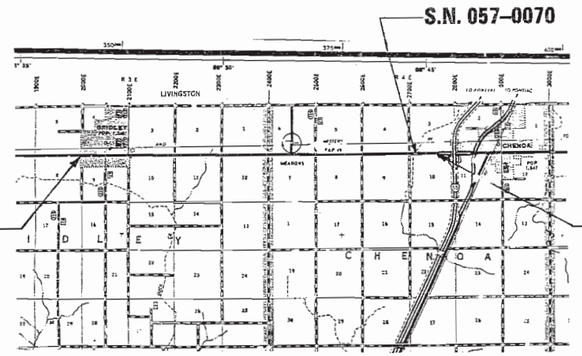
PROJECT ENGINEER: W. ALDRICH
UNIT CHIEF: R. MULHOLLAND
TOWNSHIP: GRIDLEY, CHENOA

CONTRACT NO. 86650



LOCATION OF SECTION INDICATED THUS: ▬

1998 ADT = 3150
P.C. = 83.5% S.U. = 3.3% M.U. = 13.2%
FUNCTIONAL CLASSIFICATION
PRINCIPAL ARTERIAL



GROSS LENGTH = 38412 FT. = 7.275 MI.
NET LENGTH = 38412 FT. = 7.275 MI.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Nov. 13, 1995
Ralph E. Anderson
DISTRICT ENGINEER
_____ 19__

PROJECT DEVELOPMENT AND IMPLEMENTATION SECTION
DECEMBER 15 1995

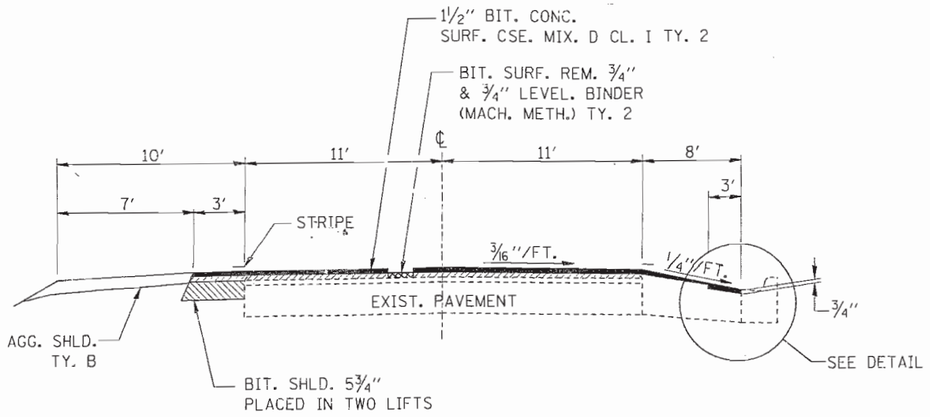
ENGINEER OF DESIGN AND ENVIRONMENT
DECEMBER 15 1995

DIRECTOR, DIVISION OF HIGHWAYS

Nov. 6, 1995
[EP026951 DETAILS.M32

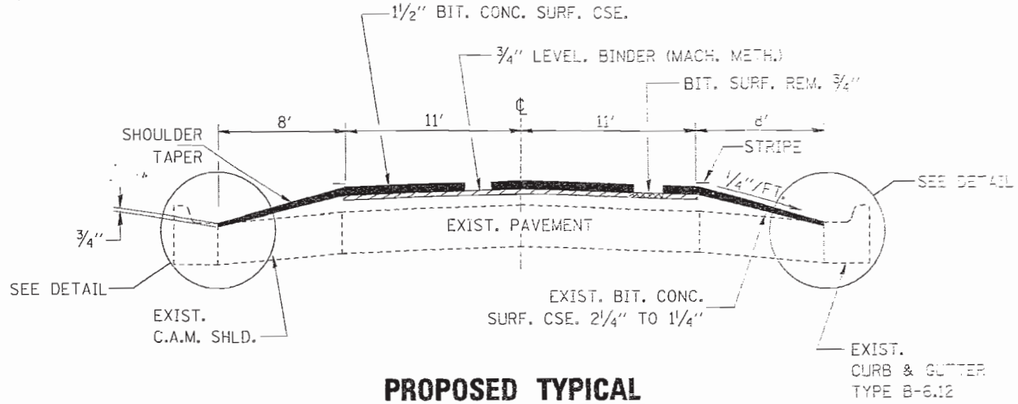
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	**	MCLEAN	41	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

**26,28,30IR95-1&28EP



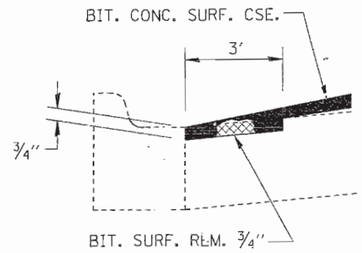
PROPOSED TYPICAL

STA. 1133+00 TO STA. 1134+00

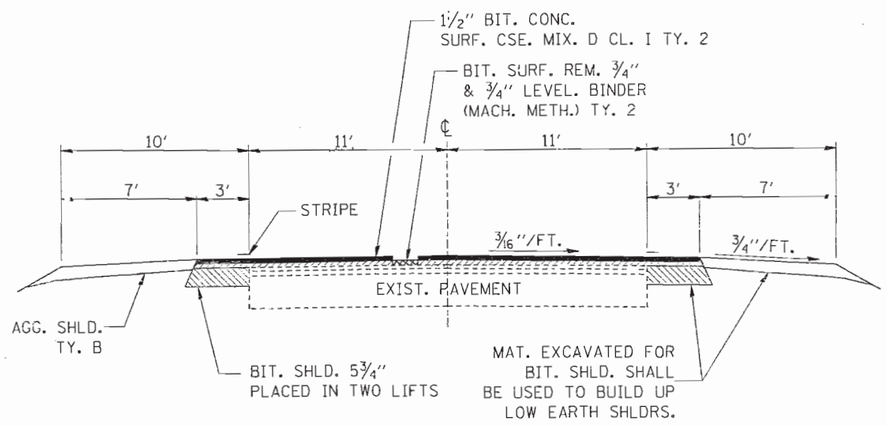


PROPOSED TYPICAL

STA. 1134+00 TO STA. 1160+00

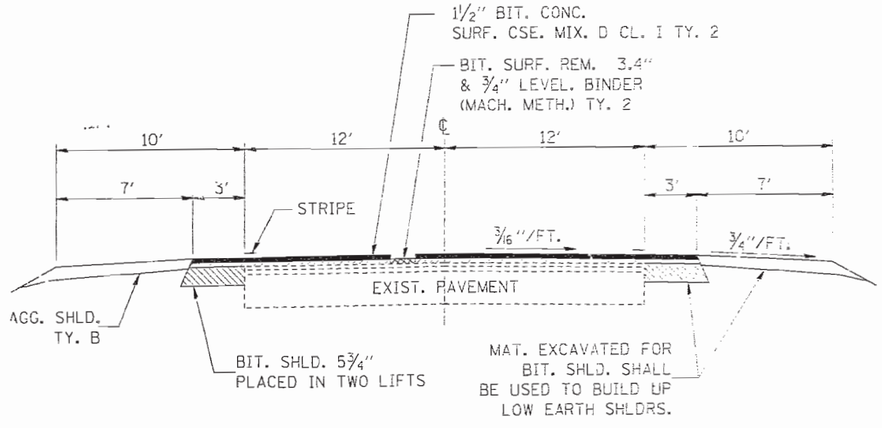


REMOVAL DETAIL



PROPOSED TYPICAL

STA. 1160+00 TO STA. 1203+00



PROPOSED TYPICAL

STA. 1203+00 TO STA. 1517+12

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

Nov. 7, 1995
(E)702695] DETAILS.M32
LEVELS = 1,2,3,4,5

F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
317	-	McLEAN	4	3
FED. ROAD DIST NO. 5		ILLINOIS	PROJECT	

((28,29,30)R)RS-1 & 28BR

80% FED.
20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE I000	28BR 5FTY-2A
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	358	358	
20200800	GRADING AND SHAPING DITCHES	FOOT	5750	5750	
20500150	EMBANKMENT	CU YD	1659	1659	
20700110	POROUS GRANULAR EMBANKMENT	TON	50		50
20800150	TRENCH BACKFILL	CU YD	24	24	
25000200	SEEDING, CLASS 2	ACRE	4	4	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	360	360	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	360	360	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	360	360	
25100115	MULCH, METHOD 2	ACRE	3.8	3.8	
25100630	EROSION CONTROL BLANKET	SQ YD	1261	1261	
28000300	TEMPORARY DITCH CHECKS	EACH	15	15	
28000400	PERIMETER EROSION BARRIER	FOOT	500	500	
28000900	FENCE (EROSION CONTROL)	FOOT	500	500	
28100107	STONE RIPRAP, CLASS A4	SQ YD	700	700	
28100500	BROKEN CONCRETE RIPRAP	SQ YD	1010		1010
28101200	DUMPED RIPRAP	TON	300		300
28200100	FILTER FABRIC FOR USE WITH RIPRAP	SQ YD	700	700	
31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	20	20	
35100700	AGGREGATE BASE COURSE, TYPE A, 8"	SQ YD	506	506	
35500500	BITUMINOUS BASE COURSE 8"	SQ YD	2180	2180	
40200100	AGGREGATE SURFACE COURSE, TYPE A	TON	596	596	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	10705	10705	
40600300	AGGREGATE (PRIME COAT)	TON	279	279	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	45	45	
40600570	LEVELING BINDER (MACHINE METHOD), MIXTURE C, TYPE 2	TON	5522	5522	
40600670	LEVELING BINDER (HAND METHOD), MIXTURE C, TYPE 2	TON	68	68	
40600850	BITUMINOUS CONCRETE SURFACE COURSE, MIXTURE D, CLASS I, TYPE 2	TON	12129	12129	
40600895	CONSTRUCTION TEST STRIP	EACH	2	2	
40600980	BITUMINOUS SURFACE REMOVAL- BUTT JOINT	SQ YD	642	642	
40800040	INCIDENTAL BITUMINOUS SURFACING	TON	224	224	
42001165	BRIDGE APPROACH PAVEMENT	SQ YD	200		200
42001420	BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	40		40
44000003	BITUMINOUS SURFACE REMOVAL 3/4"	SQ YD	100876	100876	
44000100	PAVEMENT REMOVAL	SQ YD	171	171	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	130	130	
44000700	APPROACH SLAB REMOVAL	SQ YD	214		214
44000910	BITUMINOUS CONCRETE REMOVAL (DECK)	SQ YD	290		290
44201007	CLASS B PATCHES, TYPE II, 13 INCH	SQ YD	2302	2302	
44201011	CLASS B PATCHES, TYPE III, 13 INCH	SQ YD	683	615	68
44201013	CLASS B PATCHES TYPE IV, 13 INCH	SQ YD	300	300	
44212900	PAVEMENT PATCHING (PARTIAL DEPTH)	SQ YD	5259	5259	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	8001	8001	
48200315	BITUMINOUS SHOULDERS 5 3/4"	SQ YD	27320	27320	
48200700	BITUMINOUS SHOULDERS 9"	SQ YD	873		873
50102400	CONCRETE REMOVAL	CU YD	44		44
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2	
50104710	REMOVAL OF EXISTING BEARINGS	EACH	12		12
50105200	REMOVE EXISTING CULVERTS	EACH	2	2	
50300225	CONCRETE STRUCTURES	CU YD	18		18
50300255	CONCRETE SUPERSTRUCTURES	CU YD	36		36
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2947		2947
54020403	PRECAST CONCRETE BOX CULVERT 4' X 3' M(273)	FOOT	66	66	
54021206	PRECAST CONCRETE BOX CULVERT 12' X 6' M(273)	FOOT	5	5	
54213450	END SECTIONS 15"	EACH	59	59	
54213453	END SECTIONS 18"	EACH	22	22	
54213459	END SECTIONS 24"	EACH	10	10	
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	8	8	
54213687	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 42"	EACH	2	2	
54248500	CONCRETE HEADWALL	CU YD	11.1	11.1	
54248600	REINFORCEMENT BARS	POUND	730	730	
542A0235	PIPE CULVERTS, CLASS A TYPE I, 30"	FOOT	24	24	
542A0241	PIPE CULVERTS, CLASS A TYPE I, 36"	FOOT	44	44	
542A0247	PIPE CULVERTS, CLASS A TYPE I, 42"	FOOT	20	20	
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	45	45	
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	66	66	
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	9	9	
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	4		4
60100915	PIPE DRAINS 6"	FOOT	100	100	
60100925	PIPE DRAINS 8"	FOOT	100	100	
60100935	PIPE DRAINS 10"	FOOT	100	100	
60100945	PIPE DRAINS 12"	FOOT	100	100	
60107700	PIPE UNDERDRAIN 6"	FOOT	140		140
60255500	MANHOLES TO BE ADJUSTED	EACH	3	3	
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYP B - 6.18	FOOT	170	170	
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	1000	1000	

80% FED.
20% STATE

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE I000	28BR 5FTY-2A
61100600	CLASS SI CONCRETE (MISCELLANEOUS)	CU YD	5	5	
61101006	STORM SEWERS, PROTECTED, 6"	FOOT	200	200	
61101008	STORM SEWERS, PROTECTED, 8"	FOOT	200	200	
61101010	STORM SEWERS, PROTECTED, 10"	FOOT	100	100	
61101012	STORM SEWERS, PROTECTED, 12"	FOOT	100	100	
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	2	2	
61140000	STORM SEWERS, SPECIAL 8"	FOOT	200	200	
61140100	STORM SEWERS, SPECIAL 10"	FOOT	100	100	
61140200	STORM SEWERS, SPECIAL 12"	FOOT	100	100	
63000000	STEEL PLATE BEAM GUARD RAIL, TYPE A	FOOT	450		450
63100035	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	4		4
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4		4
63200310	GUARDRAIL REMOVAL	FOOT	550		550
63500205	REMOVING AND REPLACING DELINIATORS	EACH	31	31	
66700095	PERMANENT SURVEY MARKERS	EACH	3	3	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
90100405	TRAFFIC CONTROL AND PROTECTION, STANDARD 2409	L SUM	1		1
90100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 2303	L SUM	1	1	
90100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 2306	L SUM	1	1	
90100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 2311	L SUM	1	1	
90100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 2312	L SUM	1	1	
90103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	100	75	25
90301900	SHORT-TERM PAVEMENT MARKING	FOOT	3833	3833	
90400100	TEMPORARY CONCRETE BARRIER	FOOT	510		510
90400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	524		524
90400300	TEMPORARY CONCRETE BARRIER, TERMINAL SECTION	EACH	2		2
T2160400	TERMINAL MARKER - DIRECT APPLIED	EACH	4		4
*T5020200	PAINT PAVEMENT MARKING - LINE 4"	FOOT	76664	76664	
*T5020400	PAINT PAVEMENT MARKING - LINE 6"	FOOT	9583	9583	
*T5040100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	481	481	
T5100310	GUARDRAIL MARKERS	EACH	14		14
TZ015425	TEMPORARY TRAFFIC SIGNAL	L SUM	1		1
X0914400	PRECAST BOX CULVERT END SECTION 4' X 3'	EACH	2	2	
XX001547	BITUMINOUS CONCRETE SURFACE REMOVAL AND REPLACEMENT	SQ YD	8537	8537	
Z0002600	BAR SPLICERS	EACH	48		48
Z0006110	BRIDGE DECK MICROSILICA CONCRETE OVERLAY	SQ YD	290		290
Z0007000	BRIDGE RAIL	FOOT	168		168
Z0012200	CONCRETE BRIDGE DECK SCARIFICATION 1/2"	SQ YD	290		290
Z0012400	CONCRETE COLLAR	EACH	15	15	
△Z0014700	CULVERT TO BE CLEANED	EACH	3	3	
Z0016001	DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	8		8
Z0016200	DECK SLAB REPAIR (PARTIAL)	SQ YD	91		91
Z0017100	DOWEL BARS	EACH	76		76
Z0021700	EXPANSION JOINT REHABILITATION	FOOT	48		48
Z0031300	JACKING AND CRIBBING	L SUM	1		1
Z0070800	TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	76664	76664	
Z0071000	TEMPORARY PAINT PAVEMENT MARKING LINE 6"	FOOT	9583	9583	
X0320842	PRECAST BOX CULVERT END SECTION 12' X 6'	EACH	1	1	

△ NON-PARTICIPATING

* SPECIALTY ITEMS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: _____
DISTRICT STUDIES & PLANS ENGINEER

DATE: _____

EXAMINED BY: _____
DISTRICT CONSTRUCTION ENGINEER

DISTRICT MATERIALS ENGINEER

DISTRICT OPERATIONS ENGINEER

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	*	MCLEAN	41	4
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

* (28,29,30)RS-1

THE THICKNESS OF BITUMINOUS MIXTURES 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 SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.

THE BITUMINOUS SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY AND IN A WORKMANLIKE MANNER; AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN IN THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR WILL BE REQUIRED TO SAW CUT THE BITUMINOUS SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN IN THE PLANS DETAILS. THIS WORK SHALL BE INCIDENTAL TO THE BITUMINOUS QUANTITIES.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

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 WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
THE FINISHED EARTHWORK SHALL HAVE TOPSOIL COVERINGTHE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE TOPSOIL REQUIRED SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCIDENTAL TO EMBANKMENT.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM..

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED 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 CONSIDERED INCIDENTAL TO EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED.

THE COST OF MAKING ANY SEWER CONNECTIONS TO AN EXISTING DRAINAGE STRUCTURE OR PIPE SHALL BE INCLUDED IN THE UNIT PRICE FOR THE NEW SEWER.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS/CU		YD
BITUMINOUS MAT PRIME COAT	0.08	GAL/SQ	YD	OR
	.375	GAL/SQ		YD
AGGREGATE PRIME COAT	0.002	TONS/SQ		YD
BITUMINOUS CONCRETE SURFACE	116	LBS/SQ		YD/INCH
SHORT TERM PAVEMENT MARKING	10	FT/100 APPLICATION	FT	OF
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS/SQ		YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS/SQ		YD
LEVEL BINDER (MACHINE METHOD)	116	LBS/SQ		YD/INCH
SUPPLEMENTAL WATERING	3	GAL/SQ APPLICATION		YD/
TEMPORARY DITCH CHECKS	9	BALES		OR
	5	TONS	AGGREGATE	OR
	35	FEET FENCE		

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

ILLINOIS POWER
NORTHERN ILLINOIS GAS
GENERAL TELEPHONE
GRIDLEY TELEPHONE

NON-MEMBERS OF JULIE KNOWN WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

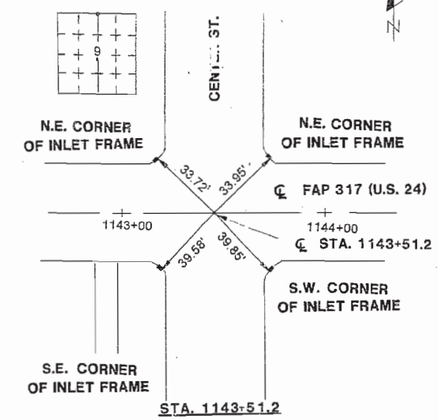
GRIDLEY PUBLIC WORKS

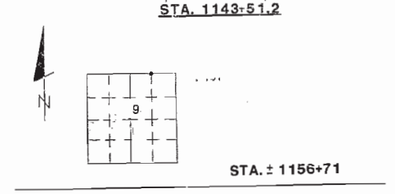
DURING CONSTRUCTION OF THE PRECAST BOX CULVERT, NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED. THE CONTRACTOR WILL NOTIFY MR. CRAIG GODWIN (815-434-8511) AT THE IDOT DISTRICT HEADQUARTERS 5 WORKING DAYS PRIOR TO STARTING STAGE CONSTRUCTION ON THE BRIDGE TO ALLOW TIME TO ESTABLISH A WIDE LOAD DETOUR.

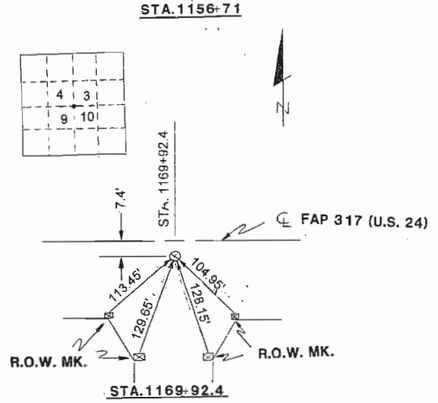
THE BITUMINOUS SURFACE REMOVAL 3/4" ALONG THE FACE OF THE GUTTER PAN SHALL ALSO INCLUDE A 3' WIDE STRIP THRU THE CONCRETE IN THE PARKING LANE AND THE INTERSECTIONS.

GRADING AND SHAPING DITCHES SHALL BE UTILIZED TO REESTABLISH DITCH FLOW LINES AT CULVERTS. EACH SITE SHALL BE APPROXIMATELY 50'TO 75' ALONG THE DITCH FLOW LINE. EXCAVATED MATERIAL SHALL NOT BE USED FOR EMBANKMENT.

MATERIAL THAT IS EXCAVATED DURING CONSTRUCTION OF THE PAVED SHOULDER WILL BE GRADED ONTO THE EXISTING SHOULDER.







REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES & TIE POINTS

SCALE: VERT. HORIZ.
DATE
DRAWN BY
CHECKED BY

D C B A 0 A B C D

TAMERAN

F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
317	*	McLEAN	47	5
FED. ROAD DIST. NO. 5		ILLINOIS	PROJECT	

* ((28,29,30)R)RS-1 & 28BR

EXCAVATING & GRADING EXISTING SHOULDER

STA. TO STA.	LENGTH	UNIT
1133+00 - 1134+00	100	1
1160+00 - 1203+00	4300	43
1203+00 - 1517+12	31412	314
TOTAL	35812	358

MANHOLE ADJUSTMENT

STATION	SIDE	M.H. ADJ
1138+03	RT	1
1143+52	RT	1
1149+10	LT	1
TOTAL		3

RIP RAP SCHEDULE

LOCATION	RIP-RAP TY 4	FILTER FABRIC FOR RIP-RAP	BROKEN CONC. RIP RAP	DUMPED RIPRAP
STATION	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.
1255+06 LT	200	200		
1291+49 RT	250	250		
1310+56 RT	250	250		
1493+57 BRIDGE			505	150
1494+44 BRIDGE			505	150
TOTAL	700	700	1010	300

TRENCH BACKFILL

STATION	CU. YD.
1169+57	18
1165+30	6
TOTAL	24

PERMANENT SURVEY MARKERS

LOCATION	EACH
1143+51.2	1
1156+71	1
1169+92.4	1
TOTAL	3

CROSSROAD CULVERT SCHEDULE

LOCATION (STA.)	SIDE & DESCRIP.	REM EXIST CULV	CONCRETE COLLAR CLASS SI	CONC. HDWL REM	CONC. HDWL STAND. 2102	CONC. HDWL STAND. 2103	REIN-FORC BARS	PRECAST BOX CULV END SECT (M273) 12'X 6'	PRECAST BOX CULV END SECT (M273) 4'x 3'	PRECAST CONC. BOX CULVERT (M273) 12'X 6'	PRECAST CONC. BOX CULVERT (M273) 4'X 3'	PIPE CULVERTS CLASS A TYPE 1			PRECAST REIN. CONC. FLARED END SECTION		EMBANK-MENT	EROSION CONTROL BLANKET
		EACH	EACH	EACH	CU YD	CU YD	POUND	EACH	EACH	FOOT	FOOT	30" FT	36" FT	42" FT	36" EACH	42" EACH	CU YD	SQ YD
1169+57	LT & RT	2		2					2		66						232	60
1193+42	LT		1					1		5							178	120
1291+49	LT & RT		2										12		2		111	42
1300+20	LT & RT		2										12		2		111	42
1350+99	LT		1		1.9		95					8					127	58
1380+99	RT		1		1.9		95					16					164	58
1403+28	LT & RT		2											12		2	140	48
1441+11	LT & RT		2			8.8	540							8				17
1456+74	LT & RT		2										12		2			48
1470+73	LT & RT		2										8		2			48
TOTAL		2	15	2	3.8	8.8	730	1	2	5	66	24	44	20	8	2	1063	541

DECK REPAIR

S.N. 057 - 0070	DECK SLAB REPAIR (PARTIAL)	DECK SLAB REPAIR (FULL DEPTH)	CONC. BRIDGE DECK SCAR. 1/2"	BRIDGE DECK MICROSILICA CONC. OVERLAY
	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.
STAGE I	40	4	135	135
STAGE II	51	4	155	155
TOTAL	91	8	290	290

MAINLINE SCHEDULE

STA TO STA	BIT SHLDS 5 3/4"	AGG SHLDS	BIT MATL'S (PR CT)	AGG (PR CT)	MIX CR JTS FLGWYS	LEVEL BIND (MM)	LEVEL BIND (HM)	BIT CONC SURF CSE	BIT SHLDS 9"
	SQ YD	TON	GAL	TONS	TONS	TONS	TONS	TONS	SQ YD
1133+00 - 1134+00	78	24	26	3	1	13	1	31	
1134+00 - 1160+00			880	23	4	370	6	837	
1160+00 - 1203+00	3345	960	1071	27	5	583	7	1223	
1203+00 - 1493+16.58		4868	7232	194	29	4214	48	8847	
1203+00 - 1490+62	22371								
1490+62 - 1493+56.58 BRIDGE									432
1494+43.42 - 1497+50									441
1497+50 - 1517+12	1526								
1494+83.42-1517+12		2149	1138	22	6	340	6	714	
SIDE ROADS*			358	10				477	
TOTAL	27320	8001	10705	279	45	5522	68	12129	873

* THE TOTALS FOR THE BIT. SHLD 9" IS FROM THE SIDEROAD & ENTRANCE SCHEDULE

LANDSCAPE SCHEDULE

LOCATION	SEEDING CLASS 2	NITR. FERT. NUTR.	PHOS FERT. NUTR.	POT. FERT. NUTR.	MULCH METH. 2	EROSION CONT. BLKT.*
	ACRE	POUND	POUND	POUND	ACRE	SQ YD
SIDE ROADS CULV	0.4	36	36	36	0.4	160
DRIVEWAYS CULV	1	90	90	90	1	560
X-ROAD CULVERTS						541
1169+57	0.5	45	45	45	0.4	
1193+42	0.6	54	54	54	0.5	
1291+49	0.2	18	18	18	0.2	
1300+20	0.2	18	18	18	0.2	
1380+99	0.3	27	27	27	0.3	
1403+28	0.2	18	18	18	0.2	
1441+11	0.2	18	18	18	0.2	
1456+74	0.2	18	18	18	0.2	
1470+73	0.2	18	18	18	0.2	
TOTAL	4	360	360	360	3.8	1261

* TOTALS FOR EROTION CONTROL BLANKET ARE FROM THE ENTRANCE & CULVERT SCHEDULES

BRIDGE REPAIR S. N. 057 - 0070

LOCATION	CONC. REM.	REM. EXIST. BEARINGS	CONCRETE STRUCTURES	CONC. SUPER-STRUCTURES	POROUS GRAN. EMBANKMENT	RE - BARS EPOXY COATED	DOWEL BARS	PIPE UNDER-DRAIN 6"	HEADWALL FOR PIPE UNDERDRAIN
	CU. YD.	EACH	CU. YD.	CU. YD.	TON	POUND	EACH	FOOT	EACH
EAST ABUTMENT	22	6	9	18	25	1474	38	70	2
WEST ABUTMENT	22	6	9	18	25	1473	38	70	2
TOTAL	44	12	18	36	50	2947	76	140	4

BRIDGE APPROACH PAVEMENT

LOCATION	BRIDGE APPROACH REMOVAL	BRIDGE APPROACH STAN. 2442 (PCC)	BRIDGE APPROACH PAV'T CONNECTOR (PCC)	CL B PATCH TY III 13" LT	CL B PATCH TY III 13" RT
STA.TO STA.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.	SQ. YD.
1493+16.58 - 1493+56.58	107				
1493+16.58 - 1493+26.58				17	17
1493+26.58 - 1493+56.58		100			
1493+26.58			20		
1494+43.42 - 1494+84.42	107				
1494+43.42 - 1494+74.42		100			
1494+73.42			20		
1494+74.42 - 1494+84.42				17	17
TOTAL	214	200	40	34	34

GUARDRAIL SCHEDULE

LOCATION S.N 057-0070	GUARDRAIL REMOVAL	S.P.B.G.R. TYPE A	BRIDGE RAIL	TRAF. BARR. TERM. TY 5A	TRAF. BARR. TERM. TY 1	GUARDRAIL MARKERS	TERM- MARK DIRECT APPL.
N.E. QUADRANT	150	125		1	1	3	1
S.E. QUADRANT	125	100		1	1	2	1
N.W.QUADRANT	125	100		1	1	2	1
S.W.QUADRANT	150	125		1	1	3	1
OVER STRUCTURE			168			4	
TOTAL	550	450	168	4	4	14	4

TEMPORARY BARRIER

S.N. 057 - 0070	TEMP. CONC. BARRIER	TEMP. CONC. BARR. TERM. SECT.	RELOCATE TEMP. CONC. BARR.
	FOOT	EACH	FOOT
STAGE I	510	2	
STAGE II			524
TOTAL	510	2	524

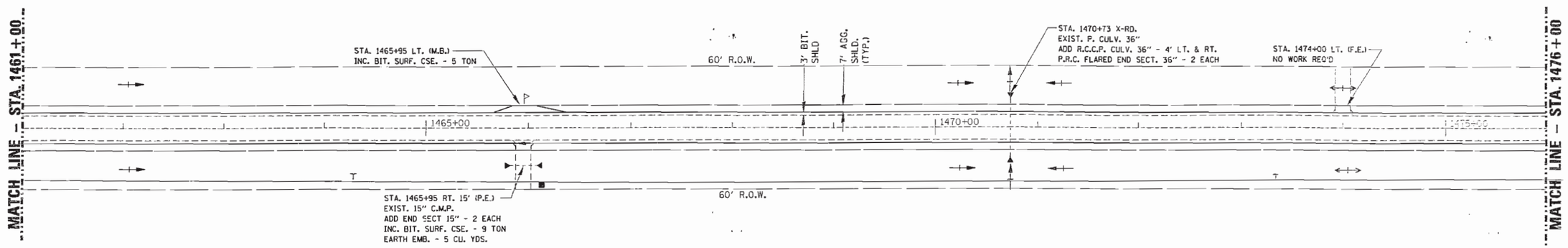
CLASS B PATCH TY IV 13" SCHEDULE

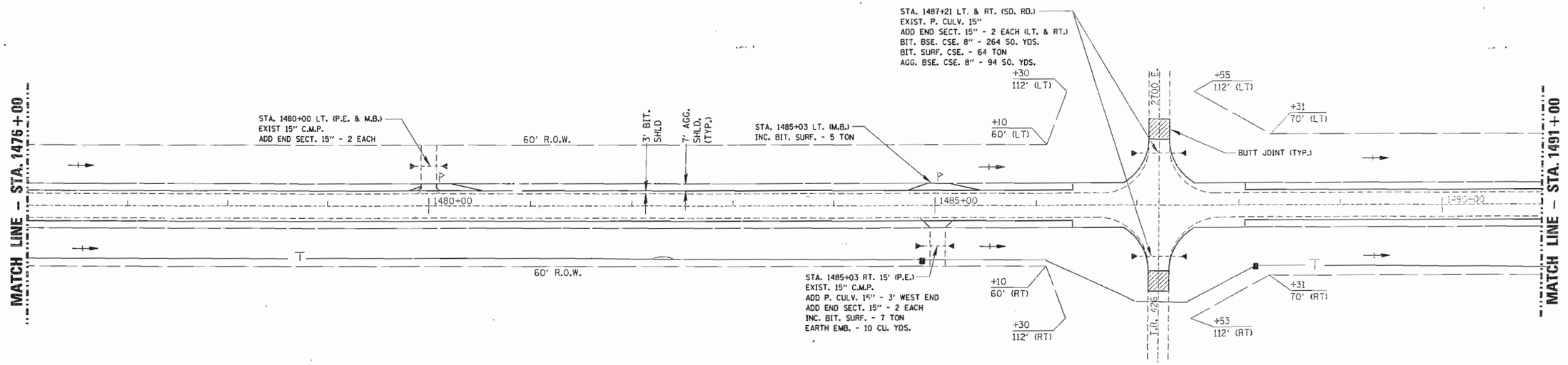
STA - STA	LT	RT
	SQ YD	SQ YD
1516+22 - 1517+12	150	150
TOTAL	300	

SCHEDULES

F. A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	**	MCLEAN	11	2.2
STA. 1461+00		TO STA. 1491+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

**(28,29,30)RRS-1&2BP





Oct. 18, 1995
(EP026951 SHEETS.M32

STA. 1461+00 TO STA. 1491+00

D C B A 0 A B C D

F. A. P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	**	MCLEAN	47	23
STA. 1491+00		TO STA. 1517+12		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

** ((2E,2B,3O)R)RS-1&2BR

N

MATCH LINE – STA. 1491+00

N. W. QUAD. S.N. 057-0070
BR. APP. PAV'T REN. - 54 SQ. YDS.
BR. APP. PAV'T STAND. 2442 - 50 SQ. YDS.
G.R. REM. - 125 LIN. FT.
S.P.B.G.R. TY. A - 100 LIN. FT.
TRAFFIC BAR. TERM. TY. 1 - 1 EACH
TRAFFIC BAR. TERM. TY. SA - 1 EACH
CLASS B PATCH TY. IV - 17 SQ. YDS.

CHENOA DRAINAGE DISTRICT DITCH

+00
70' (LT)

N. E. QUAD. S.N. 057-0070
BR. APP. PAV'T REN. - 54 SQ. YDS.
BR. APP. PAV'T STAND. 2442 - 50 SQ. YDS.
G.R. REM. - 150 LIN. FT.
S.P.B.G.R. TY. A - 125 LIN. FT.
TRAFFIC BAR. TERM. TY. 1 - 1 EACH
TRAFFIC BAR. TERM. TY. SA - 1 EACH
CLASS B PATCH TY. IV - 17 SQ. YDS.

+00
60' (LT)

STA. 1500+54 LT. (P.E.)
EXIST. 24" C.M.P.
ADD END SECT. 24" - 2 EACH
EARTH EMB. - 5 CU. YDS.

60' R.O.W.

1495+00

1500+00

1505+00

S. W. QUAD. S.N. 057-0070
BR. APP. PAV'T REN. - 53 SQ. YDS.
BR. APP. PAV'T STAND. 2442 - 50 SQ. YDS.
G.R. REM. - 150 LIN. FT.
S.P.B.G.R. TY. A - 125 LIN. FT.
TRAFFIC BAR. TERM. TY. 1 - 1 EACH
TRAFFIC BAR. TERM. TY. SA - 1 EACH
CLASS B PATCH TY. IV - 17 SQ. YDS.

STA. 1494+00
S.N. 057-0070
SEE BRIDGE PLANS
FOR MORE DETAIL

+00
70' (RT)

+00
60' (RT)

S. E. QUAD. S.N. 057-0070
BR. APP. PAV'T REN. - 53 SQ. YDS.
BR. APP. PAV'T STAND. 2442 - 50 SQ. YDS.
G.R. REM. - 125 LIN. FT.
S.P.B.G.R. TY. A - 100 LIN. FT.
TRAFFIC BAR. TERM. TY. 1 - 1 EACH
TRAFFIC BAR. TERM. TY. SA - 1 EACH
CLASS B PATCH TY. IV - 17 SQ. YDS.

60' R.O.W.

STA. 1501+00 RT. (F.E.)
EXIST. 24" C.M.P.
ADD END SECT. 24" - 2 EACH
EARTH EMB. - 5 CU. YDS.

MATCH LINE – STA. 1506+00

MATCH LINE – STA. 1506+00

60' R.O.W.

1510+00

1515+00

END IMPROVEMENT
STA. 1517+12

60' R.O.W.

STA. 1517+22 TO STA. 1517+12
CL. B PATCH TY. IV - 150 SQ. YDS. LT.
150 SQ. YDS. RT.

0 50 100 150

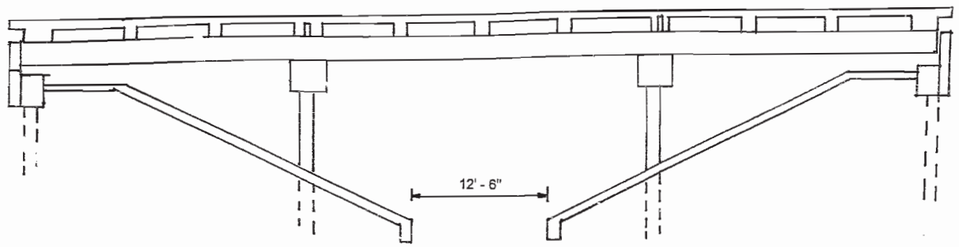
Oct. 18, 1995
[EP02695] SHEETS.M32

STA. 1491+00 TO STA. 1517+12

D C B A 0 A B C D

F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
317	*	McLEAN	27	3-5
FED. ROAD DIST NO. 5	ILLINOIS	PROJECT:		

* ((26,29,30)R)RS-1 & 28BR



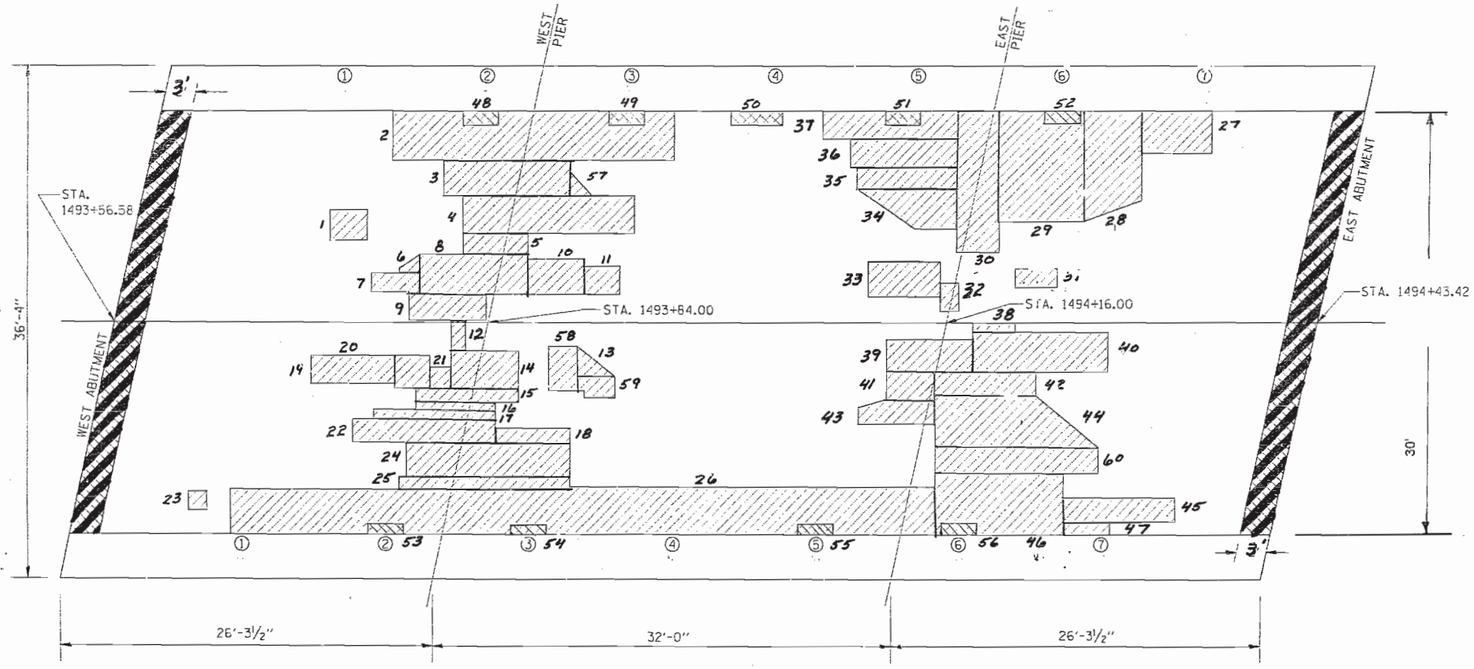
ELEVATION

BILL OF MATERIALS

ITEM	UNIT	TOTAL QUANTITY
POROUS GRANULAR EMBANKMENT	TON	50
BRIDGE APPROACH PAVEMENT	SQ YD	200
BRIDGE APPROACH PAVEMENT CONNECTOR (PCC)	SQ YD	40
APPROACH PAVEMENT REMOVAL	SQ YD	214
BITUMINOUS CONCRETE REMOVAL (DECK)	SQ YD	290
BITUMINOUS SHOULDERS 9"	SQ YD	569
CONCRETE REMOVAL	CU YD	48
CONCRETE STRUCTURES	CU YD	18
CONCRETE SUPERSTRUCTURES	CU YD	36
REINFORCEMENT BAR, EPOXY COATED	POUND	2947
TEMPORARY CONCRETE BARRIER	FOOT	510
RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	524
TEMPORARY CONCRETE BARRIER, TERMINAL SECTION	EACH	2
BRIDGE DECK MICROSILICA CONCRETE OVERLAY	SQ YD	290
CONCRETE BRIDGE DECK SCARIFICATION, 1/2"	SQ YD	290
DECK SLAB REPAIR (FULL DEPTH, TYPE 1)	SQ YD	3
DECK SLAB REPAIR (PARTIAL)	SQ YD	91
PIPE UNDERDRAIN 6"	FOOT	140
HEADWALLS FOR PIPE UNDERDRAIN	EACH	4
BRIDGE RAIL	FOOT	168
JACKING AND CRIBBING	L. SUM	1
REMOVAL OF EXISTING BEARINGS	EACH	12
BAR SPLICERS	EACH	24

DECK PATCHING SCHEDULE

LOCATION NUMBER	DIMENSIONS (FT X FT)	FULL DEPTH QUANTITY (SQ YD)	PARTIAL DEPTH QUANTITY (SQ YD)
1	2.0 X 2.5		0.56
2	19.8 X 3.5		7.70
3	9.0 X 2.5		2.50
4	12.0 X 2.5		3.33
5	4.5 X 1.5		0.75
6	1.5 X 1.5		0.25
7	3.5 X 1.5		0.58
8	7.5 X 2.8		2.33
9	2.0 X 5.5		1.22
10	4.0 X 2.5		1.11
11	2.5 X 2.0		0.56
12	1.0 X 2.0		0.22
13	2.0 X 2.5		0.56
14	5.0 X 2.5		1.39
15	7.0 X 1.0		0.78
16	5.5 X 0.5		0.31
17	8.5 X 0.8		0.76
18	4.5 X 1.0		0.50
19	6.0 X 2.0		1.33
20	2.5 X 2.5		0.69
21	1.5 X 1.5		0.25
22	10.0 X 1.5		1.67
23	1.5 X 1.5		0.25
24	11.5 X 2.5		3.19
25	12.0 X 1.0		1.33
26	49.0 X 2.5		13.61
27	5.0 X 3.0		1.67
28	4.0 X 7.0		3.11
29	6.0 X 7.5		5.00
30	10.0 X 3.0		3.33
31	3.0 X 1.5		0.50
32	1.5 X 2.0		0.33
33	5.0 X 2.5		1.39
34	5.0 X 2.5		1.39
35	7.0 X 1.5		1.17
36	7.5 X 2.0		1.67
37	9.5 X 2.0		2.11
38	3.0 X 0.5		0.17
39	6.0 X 2.5		1.67
40	9.5 X 2.8		2.96
41	3.5 X 2.0		0.78
42	7.0 X 1.5		1.17
43	5.5 X 1.8		1.10
44	9.5 X 3.5		3.69
45	8.0 X 1.5		1.33
46	9.0 X 4.0		4.00
47	3.5 X 1.0		0.39
48	2.5 X 1.0	0.28	
49	2.5 X 1.0	0.28	
50	3.5 X 1.0	0.35	
51	2.5 X 1.0	0.28	
52	2.5 X 1.0	0.28	
53	2.5 X 1.0	0.28	
54	2.5 X 1.0	0.28	
55	2.5 X 1.0	0.28	
56	2.5 X 1.0	0.28	
57	1.5 X 1.5		0.25
58	2.0 X 3.0		0.67
59	2.5 X 1.5		0.42
60	11.5 X 2.0		2.55
TOTAL		2.6	60.5



NOTE: AREAS SHOWN ARE APPROXIMATE AND WERE USED FOR ESTIMATING PURPOSES ONLY. EXACT AREAS MAY DIFFER AFTER BIT. CONC. SURF. REMOVAL ON DECK.

DECK REPAIR PLAN

DECK REPAIRS (P.D.)
DECK REPAIRS (F.D.)
CONCRETE REMOVAL

DECK DRAINS NUMBER 2,3,5,AND 6 ARE TO BE PLUGGED AS PART OF THE FULL DEPTH PATCHING (BOTH THE NORTH AND SOUTH SIDES)

NOTE: THE DEPTH OF DECK SLAB REPAIR (PARTIAL DEPTH) SHALL BE NOT MORE THAN 180 mm (7 INCHES).

ILLINOIS DEPARTMENT OF TRANSPORTATION

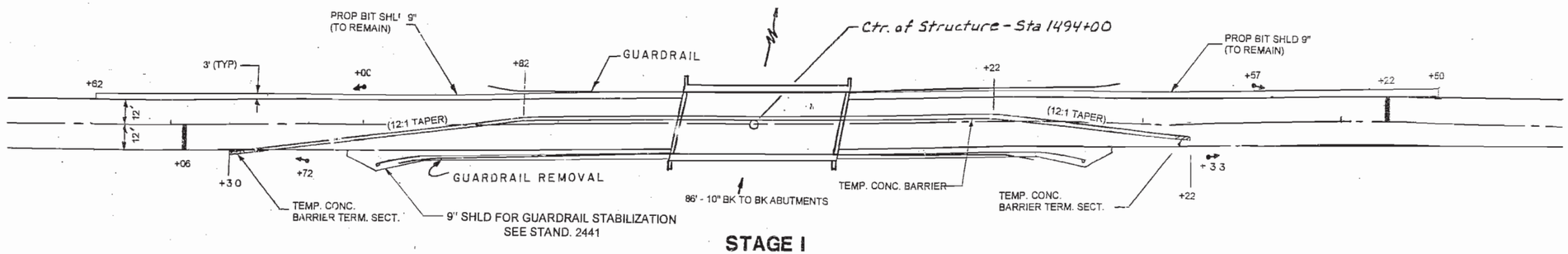
PLAN VIEW AND DECK PATCHING

F.A.P. 317 (US 24) SECTION ((28,29,30) R)RS-1 & 28BR
McLEAN COUNTY
STATION : 1494 + 00
STRUCTURE NUMBER : 057 - 0070

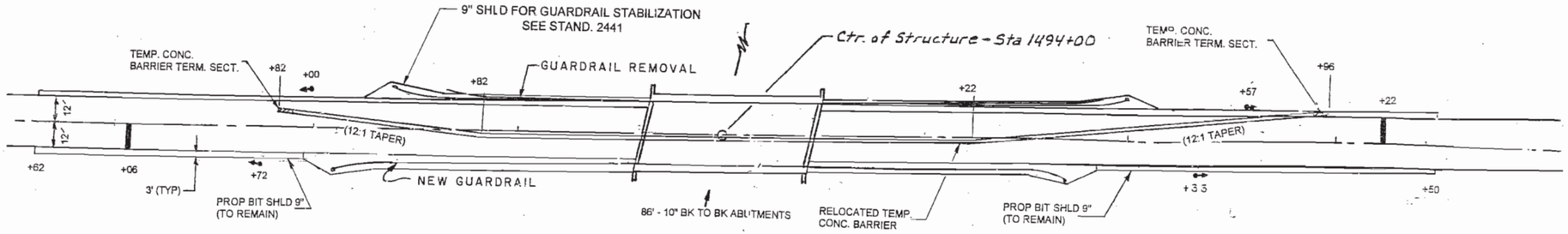
Oct. 16, 1995
(EPO26951) DETAILS.M32
LEVELS = 1,2,3,4,5

F.A.P. RTE #	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
317	*	McLEAN	11	3
FED. ROAD DIST NO. 5		ILLINOIS	PROJECT:	

* ((28,29,30)R)RS-1 & 28BR

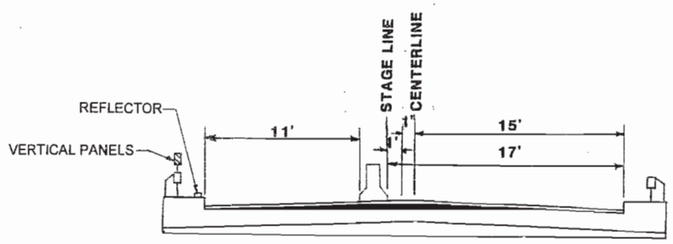


STAGE I



STAGE II

FOR MORE IMFORMATION SEE STAND. 2409



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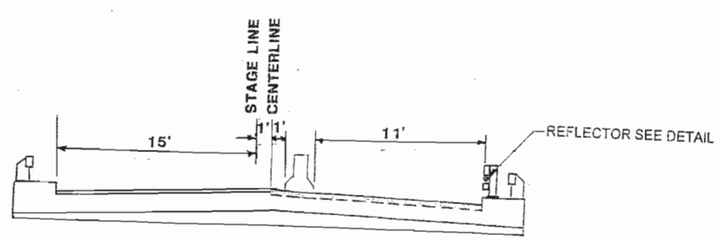
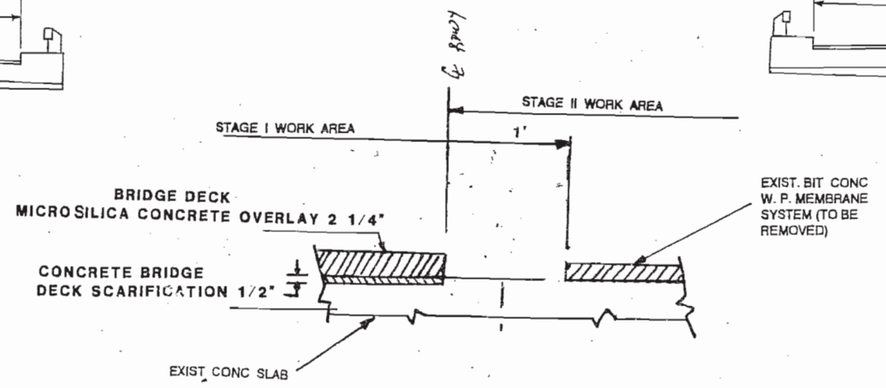


STAGE II



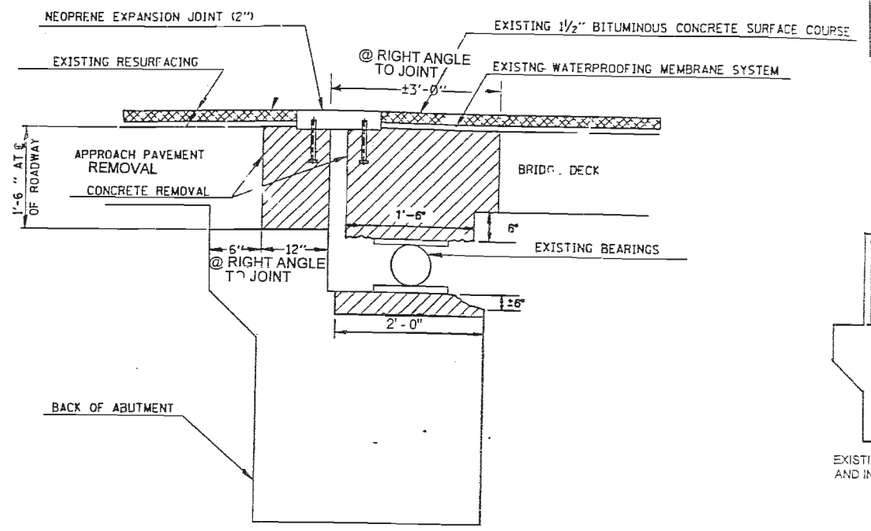
ILLINOIS DEPARTMENT OF TRANSPORTATION

STAGING DETAIL

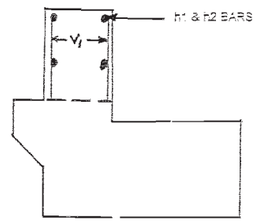
F.A.P. 317 (US 24) SECTION ((28,29,30) R)RS-1 & 28BR
McLEAN COUNTY
STATION : 1494 + 00
STRUCTURE NUMBER : 057 - 0070

F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
317	*	McLEAN	27	27
FED. ROAD DIST NO. 5		ILLINOIS	PROJECT	

* ((28,29,30)R)RS-1 & 28BR



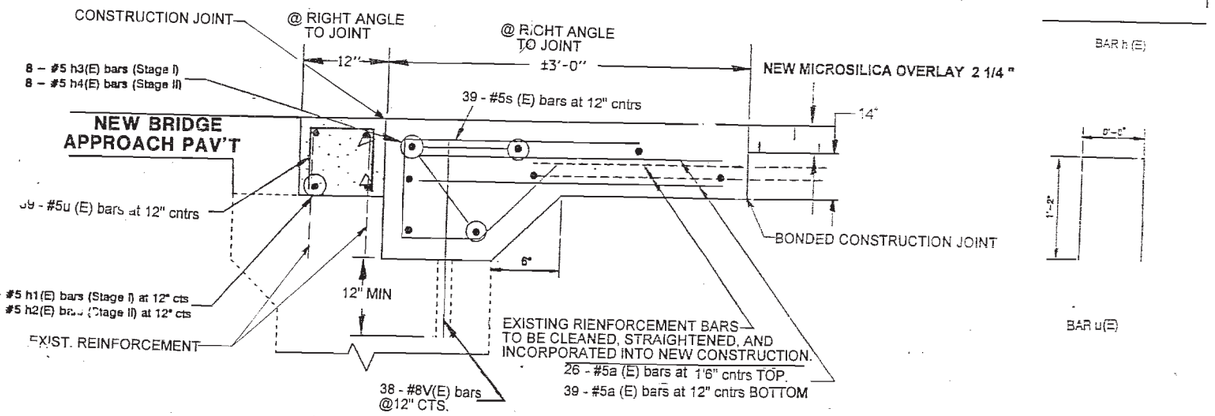
EXISTING ABUTMENT



EXISTING V BARS TO BE SAVED, CLEANED, AND INCORPORATED IN THE NEW CONCRETE

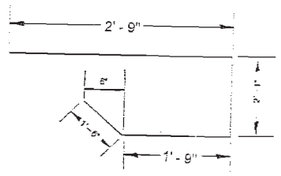
h1 = 19'-6" h3 = 19'-6"
h2 = 18'-6" h4 = 18'-6"

BAR h (E)



PROPOSED ABUTMENT

BAR u(E)



Bar S(E)

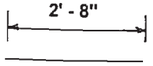
MINIMUM BAR LAP

#5 2' - 2"

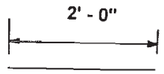
REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	156	#5	2' 8"	
h1(E)	8	#5	19' 6"	
h2(E)	8	#5	18' 6"	
h3(E)	16	#5	19' 6"	
h4(E)	16	#5	18' 6"	
s(E)	78	#5	8' - 1"	
v(E)	76	#8	3' - 3"	
u(E)	78	#5	3' - 0"	
CONCRETE REMOVAL			CU. YD.	48.0
CONCRETE SUPERSTRUCTURE			CU. YD.	36.0
REINFORCEMENT BARS EPOXY COATED			POUND	2947



BAR a (E)



BAR V(E)

NOTES:
Hatched areas on the deck shall be removed and replaced with CONCRETE SUPERSTRUCTURE

Hatched areas on the Abutments shall be removed and replaced with CONCRETE STRUCTURE

Removal of the existing expansion joint structural steel is incidental to Concrete Removal.

Existing transverse reinforcement bars in repair areas shall be removed and replaced with Epoxy Coated bars. All other reinforcement bars shall be saved, CLEANED, STRAIGHTENED and incorporated into the new concrete.

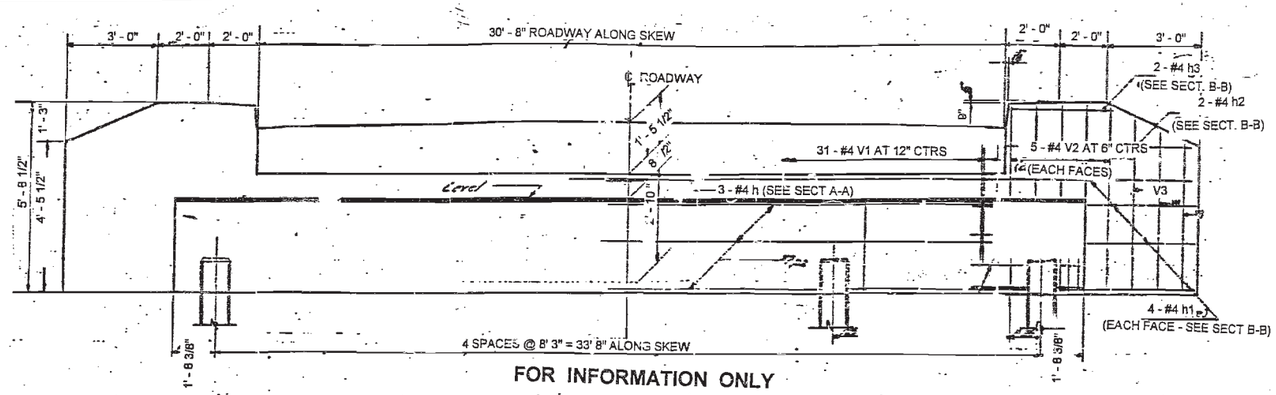
ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED ABUTMENT DETAILS

F.A.P. 317 (US 24) SECTION ((28,29,30) R)RS-1 & 28BR
McLEAN COUNTY
STATION : 1494 + 00
STRUCTURE NUMBER : 057 - 0070

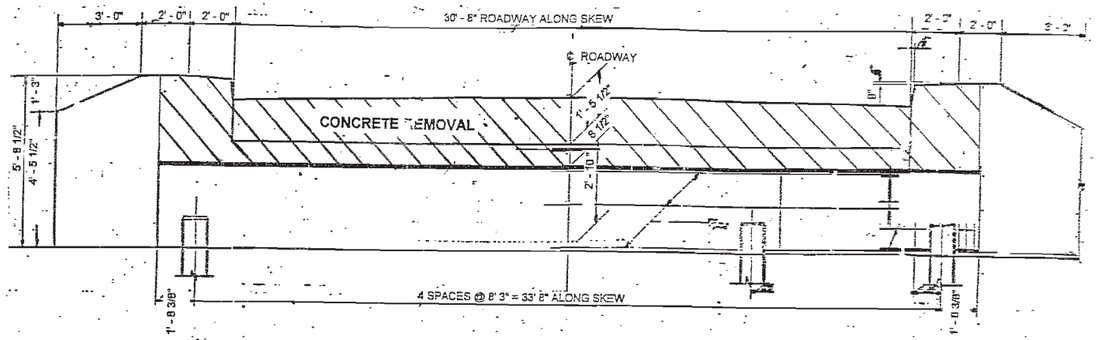
F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
317	*	McLEAN	22	22
FED. ROAD DIST NO. 5		ILLINOIS	PROJECT	

* ((26,29,30)R)RS-1 & 28BR

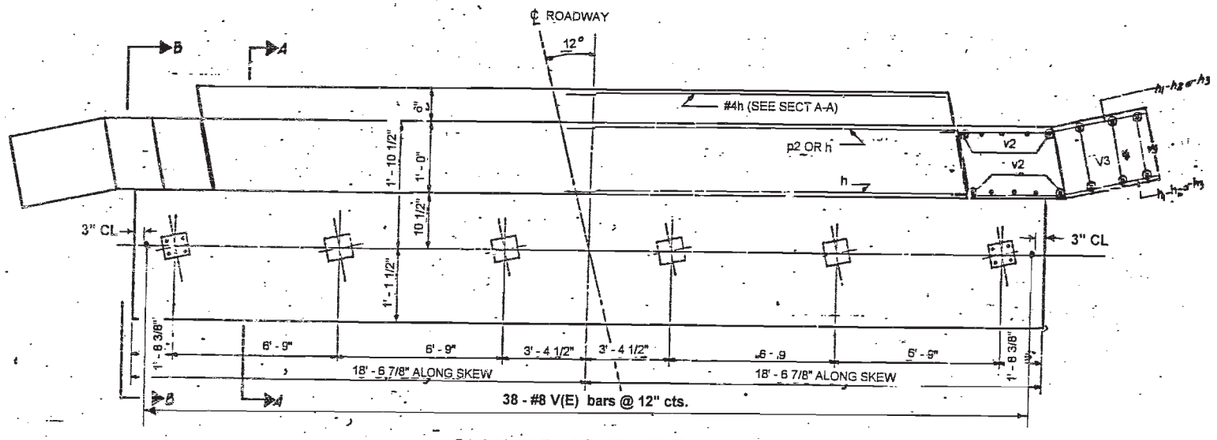


FOR INFORMATION ONLY

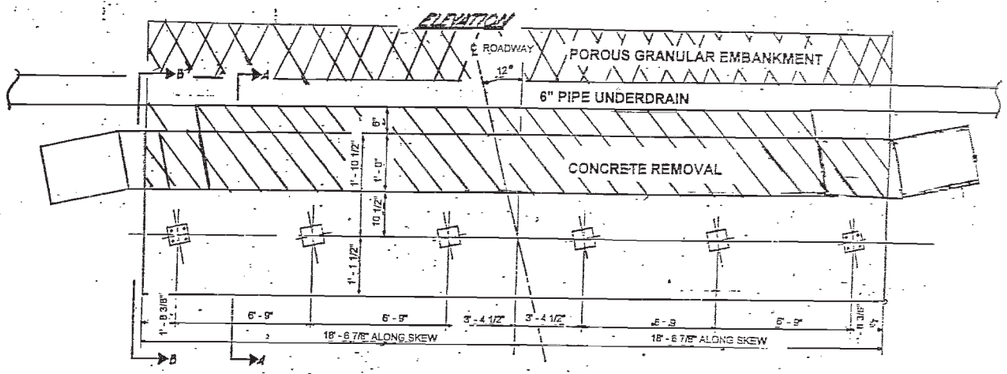
ELEVATION



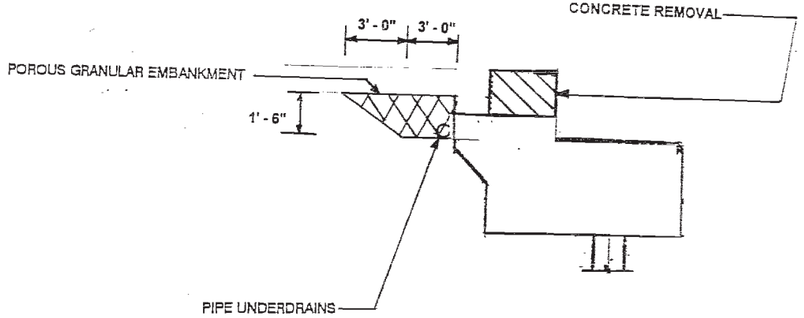
ELEVATION

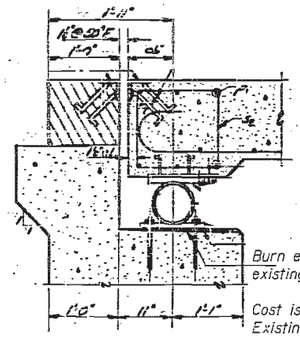


PLAN OF ABUTMENT



PLAN OF ABUTMENT





EXISTING BEARING REMOVAL DETAIL

NOTE : PIPE UNDERDRAIN 6" TO BE OUTLETTED ON SIDESLOPES USING PRECAST UNDERDRAIN HEADWALL AND ANIMAL SCREEN.

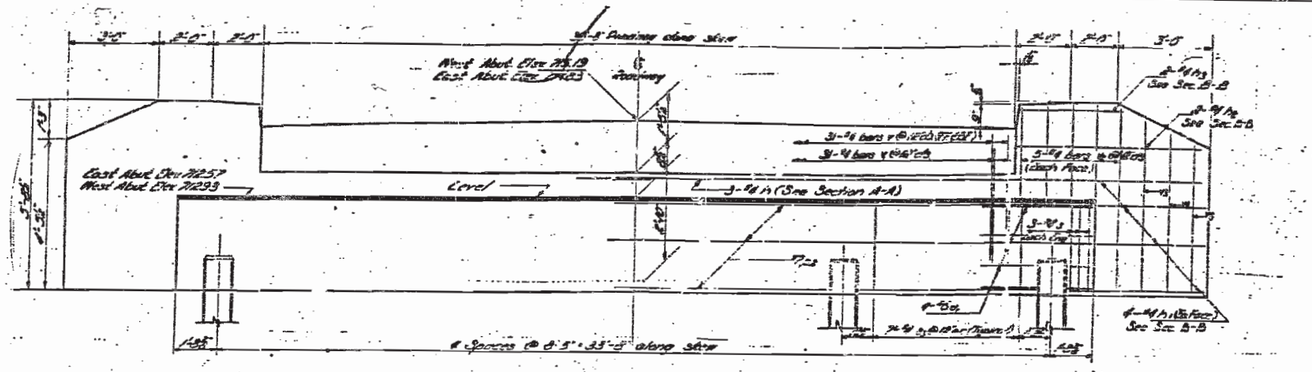
ILLINOIS DEPARTMENT OF TRANSPORTATION

PROPOSED ABUTMENT DETAILS

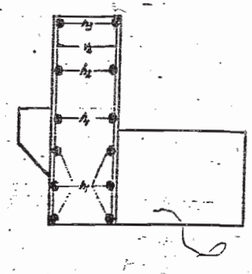
F.A.P. 317 (US 24) SECTION ((28,29,30) R)RS-1 & 28BR
McLEAN COUNTY
STATION : 1494 + 00
STRUCTURE NUMBER : 057 - 0070

F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
317	*	McLEAN	27	25
FED. ROAD DIST. NO. 5		ILLINOIS	PROJECT	

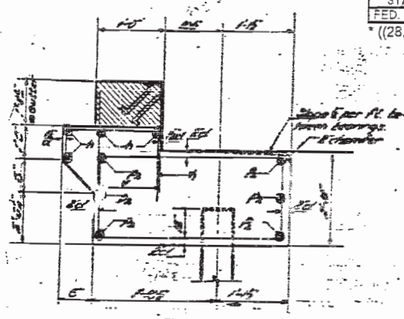
* ((28,29,30)R)RS-1 & 28BR



ELEVATION

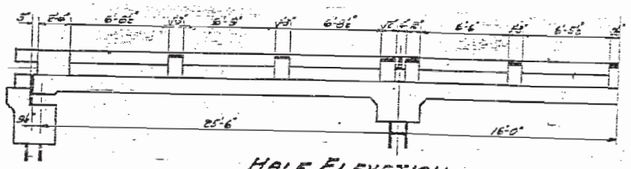


SECTION B-B

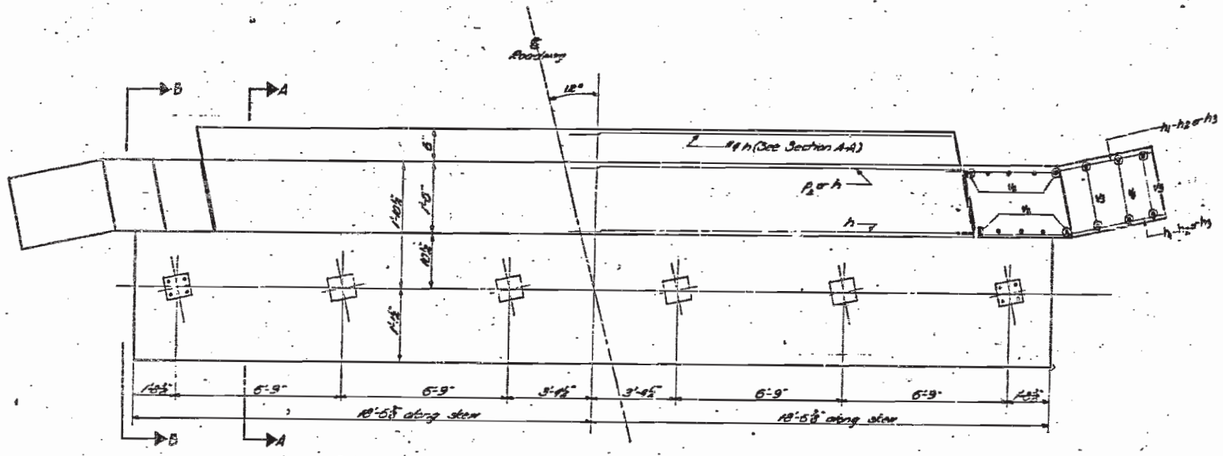


SECTION A-A

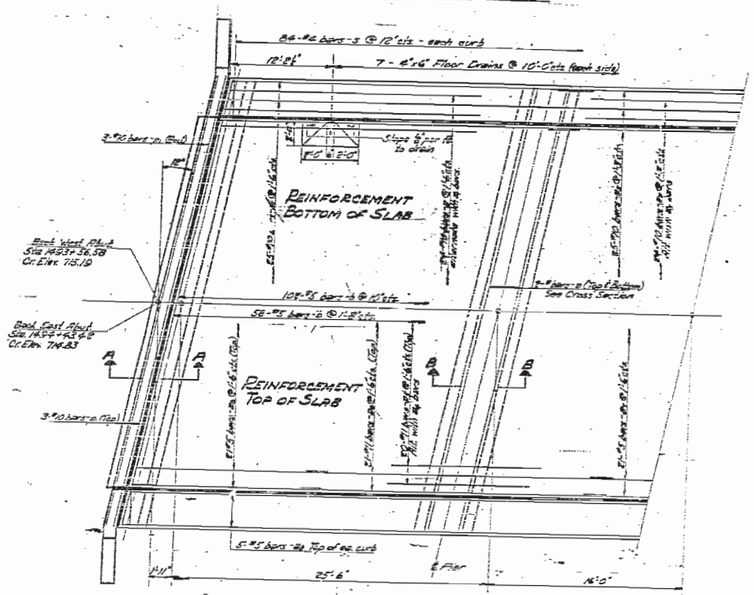
For Handrail details see Std. 2070 IA Type 3B



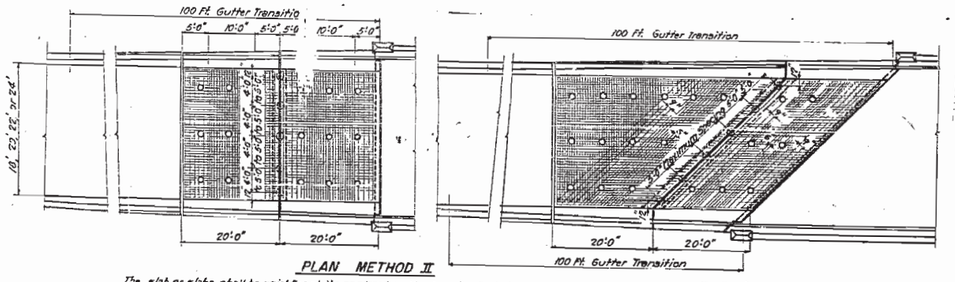
HALF ELEVATION



PLAN OF ABUTMENT

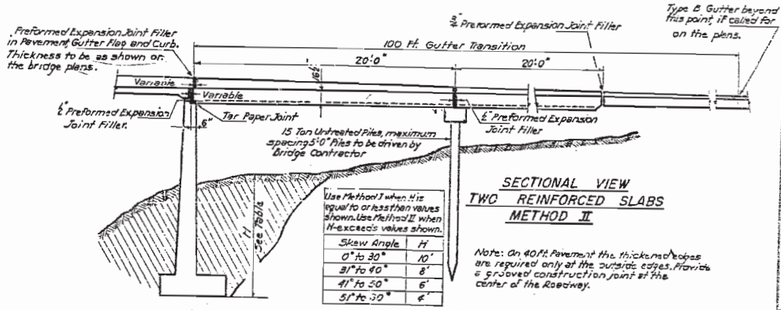


HALF PLAN



PLAN METHOD II

The slab or slabs shall be paid for at the contract unit price for PORTLAND CEMENT CONCRETE PAVEMENT (16½"-10½"-16½")
The Type B Gutter shall be paid for at the contract unit price for Plain CONCRETE GUTTER, TYPE B
The 100'-0" Gutter Transition (including the bridge and the Concrete Cap) shall be paid for at the contract unit price for Class 'X' Concrete
All Reinforcement Bars except the Gutter tie bars shall be paid for at the contract unit price for REINFORCEMENT BARS.
The welded wire fabric and Mud Jack Cylinders shall be furnished and installed by the paving Contractor and included in the contract unit price for PORTLAND CEMENT CONCRETE PAVEMENT (16½"-10½"-16½")



Skew Angle	H
0° to 30°	10'
31° to 40°	8'
41° to 50°	6'
51° to 70°	4'

SECTIONAL VIEW TWO REINFORCED SLABS METHOD II

Note: On 40 Ft. Pavement this thickened edges are required only at the outside edges. Provide a grooved construction joint at the center of the Roadway.

ILLINOIS DEPARTMENT OF TRANSPORTATION

EXISTING ABUTMENT DETAILS

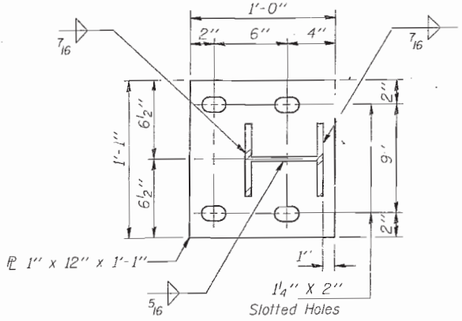
F.A.P. 317 (US 24) SECTION ((28,29,30) R)RS-1
McLEAN COUNTY
STATION : 1494 + 00
STRUCTURE NUMBER : 057 - 0070

FOR INFORMATION ONLY

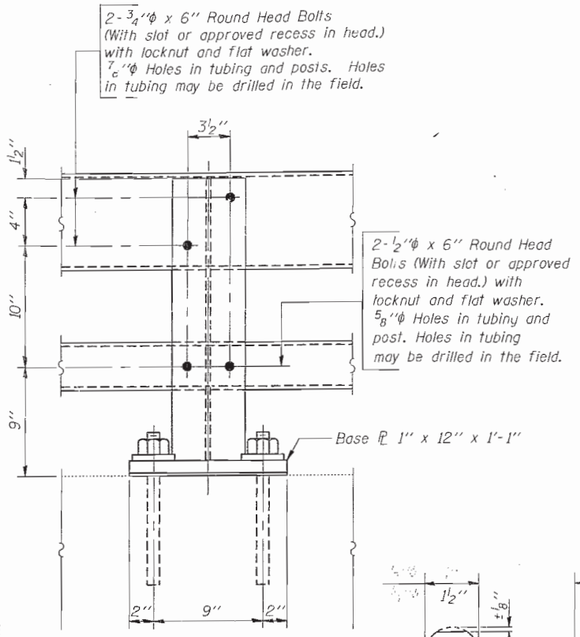
F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NUMBER
317	*	McLEAN	41	40
FED. ROAD DIST NO. 5		ILLINOIS	PROJECT	

* ((28,29,30)R)RS-1 & 28BR

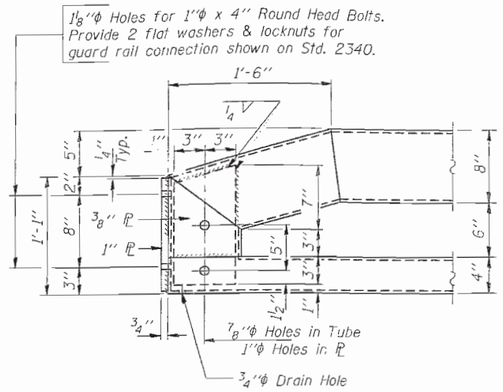
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

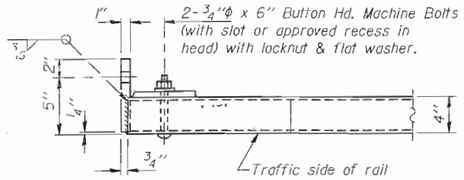


BASE PLATE DETAIL

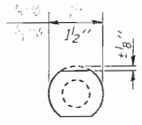


SECTION A-A

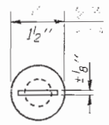




END OF RAIL DETAILS

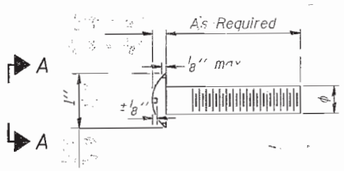


Without Slot or Recess

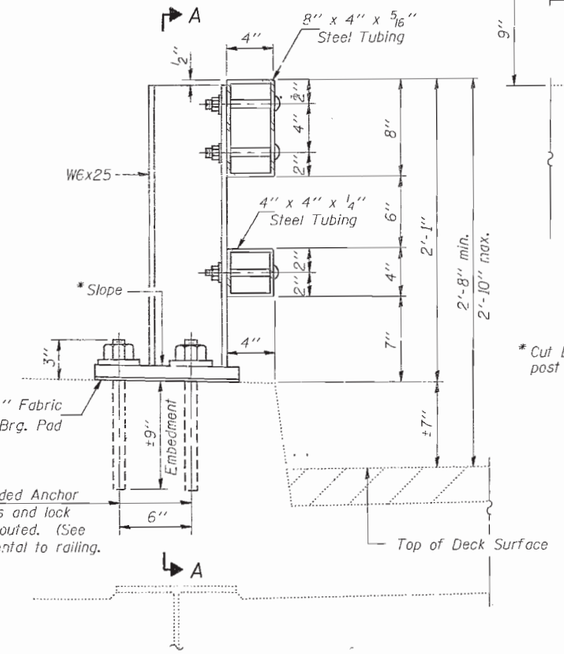


With Slot

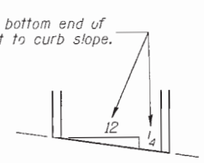
VIEW A-A

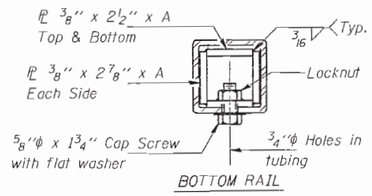


DETAIL OF ½"ϕ & ¾"ϕ ROUND HEAD BOLTS

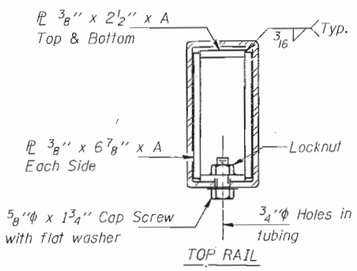


SECTION AT RAIL POST





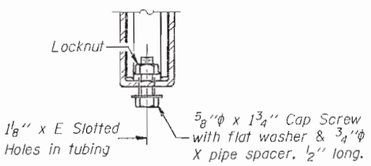
BOTTOM RAIL



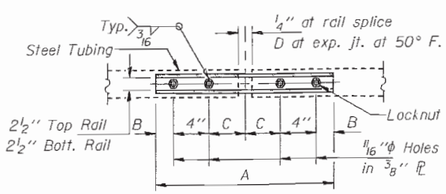
TOP RAIL

SECTIONS AT RAIL SPLICE

(6'-3" Maximum Post Spacing)



RAIL SPLICE CONNECTION AT EXPANSION JT.



PLAN-BOTT. SPLICE PL TYPICAL

NOTES

Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500, Grade B. Structural Steel Tubing and shall [illegible].

All other steel shapes and plates shall conform to the requirements of AASHTO M-270 Grade 36 except posts shall conform to AASHTO M-270, [illegible].

Bolts, cap screws and nuts shall conform to the requirements of ASTM designation A-307 except that threaded rods, nuts and washers shall conform to AASHTO M-164.

All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO M-232.

All posts, railing, rail splices and anchor rods shall be galvanized after shop fabrication in accordance with AASHTO M-111 and ASTM A-385. Galvanized rail shall not be painted.

Railing shall be in accordance with Section 509 of the Standard Specifications, except as noted, and will be paid for at the contract unit price per foot for STEEL BRIDGE RAIL.

All field drilled holes shall be coated with an approved zinc rich paint before erection.

Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.

STEEL BRIDGE RAIL expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.

Provide one ⅛" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.

Expansion joint width shall be "D" at 50° F and shall be adjusted for other temperatures according to Article 503.10(c) of the Standard Specifications.

The Contractor shall use the capsule or the adhesive cartridge type anchor rods that have been previously tested and given a prior approval by the Department. The Contractor shall install these anchor rods in pre-drilled holes in accordance with the manufacturer's recommendations and procedures.

The capsule or the adhesive cartridge shall be a sealed glass capsule or a sealed glass adhesive cartridge containing premeasured amounts of the adhesive chemical.

Nuts for 1"ϕ threaded anchor rods connecting the base plate to the concrete shall be tightened to a snug fit and given an additional ½ turn.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Bridge Rail	Foot	168

SPLICE DIMENSIONS

T	D	A	B	C	E
≤4"	2½"	1'-8"	2"	4"	2½"
>4" ≤6½"	3¾"	2'-0"	2½"	5½"	3½"
>6½" ≤9"	5"	2'-4"	3½"	6½"	9"
>9" ≤13"	7"	2'-10"	4½"	8½"	11"
Rail Splice	¼"	1'-5"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

STEEL BRIDGE RAIL
CURB MOUNTED
(2'-9")

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

EXAMINED _____ 19

PASSED _____
ENGINEER OF BRIDGE DESIGN

_____
ENGINEER OF BRIDGES AND STRUCTURES

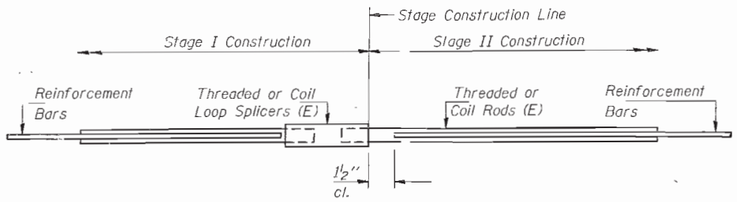
R-31

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A. 317	**	MCLEAN	41	41
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

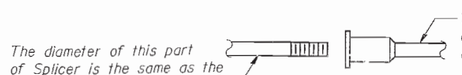
SHEET NO.
SHEETS

** (128,29,30)RJRS-1&2BR



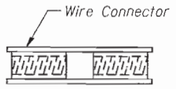
SPLICER DETAIL

Bar Size	No. Req'd. (Splicers)	Location
#5	24	



ROLLED THREAD DOWEL BAR

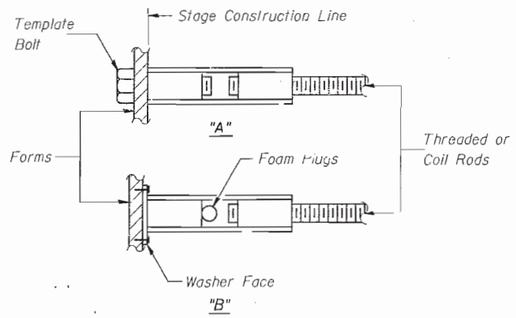
** ONE PIECE



WELDED SECTIONS

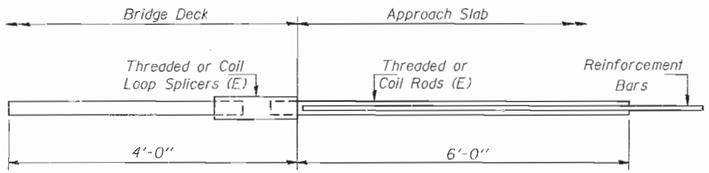
SPLICER ALTERNATIVES

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



INSTALLATION AND SETTING METHODS

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



BAR SPLICER ASSEMBLY DETAIL FOR INTEGRAL ABUTMENT

¾"ϕ Bar Splicer Assembly x 4'-0" and 6'-0" Splicer Rods — Minimum Capacity = 23.0 kips-tension; Minimum Pull-out Strength = 9.2 kips-tension

NOTES

Steel Splicer (Coupler) assembly shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.

Steel 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.

Splicer (coupler) assembly shall be epoxy coated in accordance with 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 splicer (coupler) assembly satisfies the following requirements:

① Minimum Capacity (Tension in kips) = $1.25 \times fy \times A_t$

② Minimum *Pull-out Strength (Tension in kips) = $1.25 \times fs_{allow} \times A_t$

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

Typical Splicer (Coupler) Assembly Sizes:

#5 bar lap with ¾"ϕ Splicer (Coupler) x 2'-0" Splicer Rods — Minimum Capacity = 23.0 kips-tension; Minimum Pull-out Strength = 9.2 kips-tension

#6 bar lap with ⅞"ϕ Splicer (Coupler) x 2'-7" Splicer Rods — Minimum Capacity = 33.1 kips-tension; Minimum Pull-out Strength = 13.3 kips-tension

#7 bar lap with 1"ϕ Splicer (Coupler) x 3'-5" Splicer Rods — Minimum Capacity = 45.1 kips-tension; Minimum Pull-out Strength = 18.0 kips-tension

#8 bar lap with 1¼"ϕ Splicer (Coupler) x 4'-6" Splicer Rods — Minimum Capacity = 58.9 kips-tension; Minimum Pull-out Strength = 23.6 kips-tension

Bar splicer assemblies shall be in accordance with 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."

DESIGNED	
CHECKED	
DRAWN	
CHECKED	

EXAMINED _____ 19
ENGINEER OF BRIDGE DESIGN

PASSED _____
ENGINEER OF BRIDGES AND STRUCTURES

BAR SPLICER (COUPLER) DETAILS AT STAGE CONSTRUCTION

RT. SB1-8

SEC. 28-BR

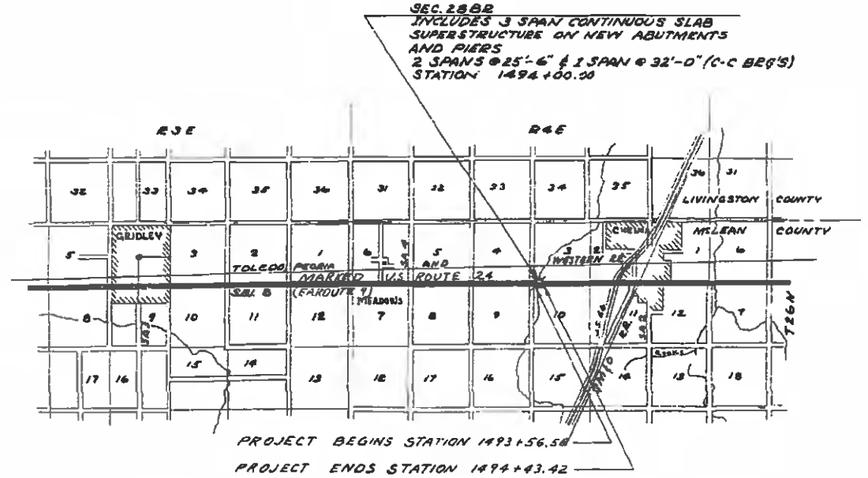
STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED STATE BOND ISSUE HIGHWAY

SCALES

S.B.I. ROUTE 8, SECTION 28BR, McLEAN CO.
F.A. PROJ. F-28(9)

LOCATION OF SECTION INDICATED THUS:



APPROXIMATE SCALE: 1" = 1 MILE
NET LENGTH OF PROJECT F-28(9) = 86.84' = 0.016 MI.

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
APPROVED
[redacted]
DIVISION ENGINEER — DATE

1958

McLEAN COUNTY SECTION 28 BR S B I ROUTE 8

SBI 8 28 BR McLEAN 9 2

INDEX OF SHEETS

SUMMARY OF QUANTITIES

189	Cu.Yds.	CHANNEL EXCAVATION
40	Cu.Yds.	CLASS "A" EXCAVATION FOR STRUCTURES
80	Cu.Yds.	CLASS "B" EXCAVATION FOR STRUCTURES
197.7	Cu.Yds.	CLASS "X" CONCRETE
4.0	Cu.Yds.	HANDRAIL CONCRETE
40,770	Lbs.	REINFORCEMENT BARS
4790 ~~4790~~	Lbs.	STRUCTURAL STEEL FURNISHING AND ERECTING
550	Lin.Ft.	PRECAST CONCRETE PILES, 14" FURNISHING
2	Each	TEST PILES (CONCRETE)
1,010	Sq.Yds.	SLOPE WALL
1	Each	NAME PLATES
1	EACH	REMOVAL OF EXISTING STRUCTURE
550	Lin.Ft.	DRIVING PRECAST CONCRETE PILES

TRAFFIC CLASSIFICATION
460 (30th Max.Hr. 1976) -T-70

NOTE
ONE SIGN CONFORMING TO STANDARD 2136 SHALL BE ERECTED AT A LOCATION AS DIRECTED BY THE ENGINEER.

SBI ROUTE 8 SEC.(28.) BR McLEAN COUNTY

SEC 4, T26N, R4E, 3RD PM

GEO & ROB'T ROSZHART

SEC 3, T26N, R4E, 3RD PM

SEC. 28 BR
INCLUDES 3 SPAN CONTINUOUS SLAB SUPERSTRUCTURE ON NEW ABUTMENTS AND PIERS.
2 SPANS @ 25'-6" & 1 SPAN @ 32'-0" (c-c BRGS)
STATION 1494+00.00
OTHER QUANTITIES ON THIS SHEET ARE NOT INCLUDED IN SEC. 28, BR

CARL VROOMAN

CLARA M. LARTZ

DELMAR STREID

CARL VROOMAN

SEC 9, T26N, R4E, 3RD PM

SEC. T26N, R4E, 3RD P.M.

PROFILE & PROPOSED 24' P.C.C. PAVEMENT

PROFILE PRESENT GROUND LINE OR PRESENT PAVEMENT ALONG ℄ OF SURVEY

-10.33%

-0.42%

CUT - 3983 CU. YDS.
FILL - 3047 CU. YDS.

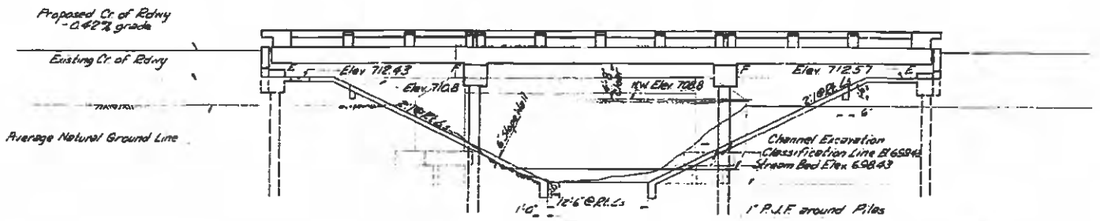
CUT - 1302 CU. YDS.
FILL - 988 CU. YDS.

CUT - 969 CU. YDS.
FILL - 11255 CU. YDS.
BORROW - 13668 CU. YDS.

CUT - 405
FILL - 2954
BORROW - 3459

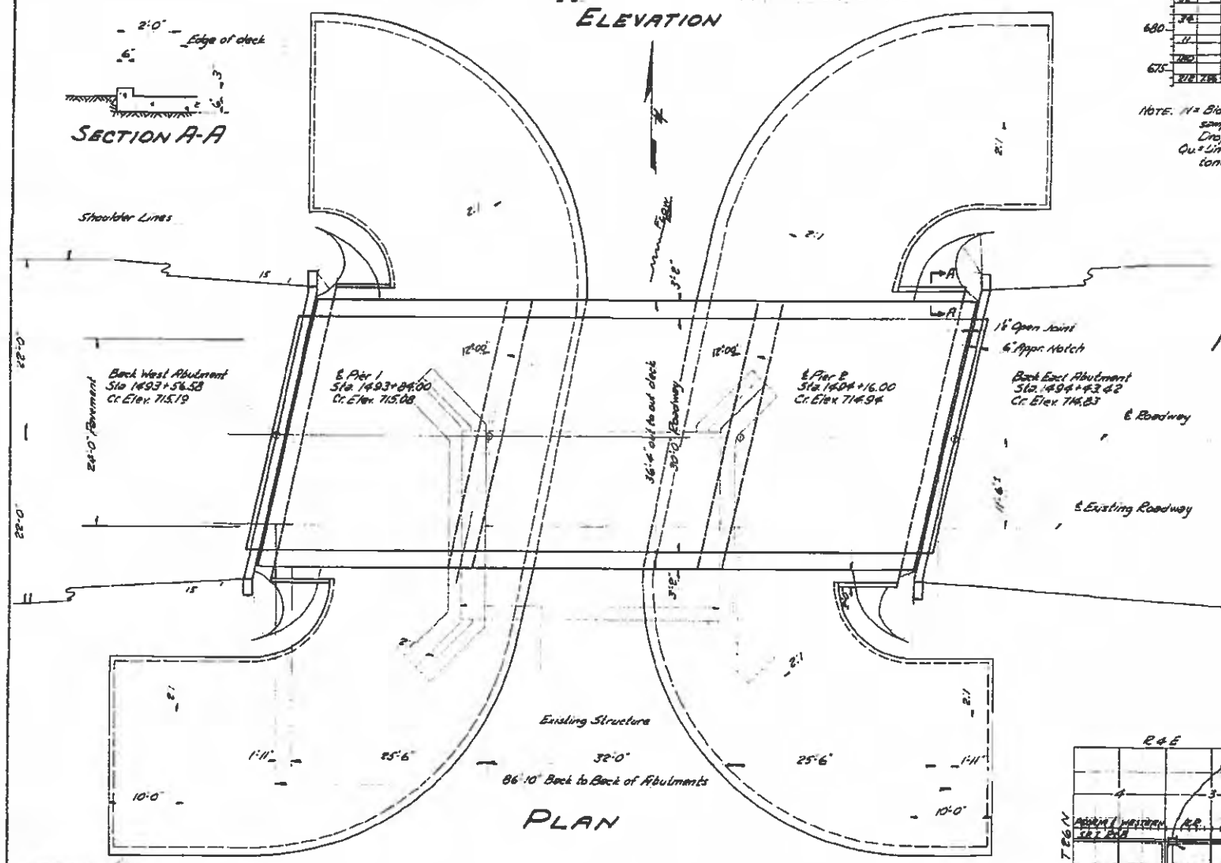
BM #63 - Spike and Washer in T.P. 46'12' Sta 1491+23 - Elev. 709.71
Existing Structure - RCDG, 1 span @ 30'0" with a 22.7' Rdwy on concrete closed abutments set on timber piles. Bridge contractor to remove existing bridge before building new structure.

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS



ELEVATION

SECTION A-A



PLAN

BORING #1
Sta 1493+36, 26 ft. Left ℄
Surface of Ground = 706.0

Elev.	N	Qu.	
705			Stiff black silty clay
	2	0.67	
700	4		Medium dark mottled clay.
	6		Dense gray very fine silty sand.
	6		Free water Elev. 700.2
695	8		Medium gray very fine silty sand
	12		Dense gray poorly graded silty
	21		sand and small gravel.
690	26		Dense gray well graded
	30	2.33	subangular gravel.
685	32		Medium gray well graded
	36		subangular sand.
	40		Very stiff gray gravelly till
	32		Dense gray subangular poorly
	36		graded gravel, Buhard till lenses.
680	11		Medium gray silty sand and
	100		gravel.
	50/4	7.46	Very dense well graded
675			subangular gravel.
			Hard gray clay till

BORING #2
Sta 1494+81, 15 ft. Left ℄
Surface of Ground = 706.9

Elev.	N	Qu.	
705			Stiff black silty clay
	2	0.53	
700	4		Medium dark mottled clay
	78		
	76		Medium gray silty fine sand
695	18		Free water Elev. 695.3
	46		Dense gray sandy silt
690	67		
	65		Dense gray well graded
685	68		subangular gravel
	87		
	124	10.21	Dense gray poorly graded
680	124		subangular gravel.
	120	14.24	Stiff gray clay till
675	124	9.07	
	124	18.08	Hard gray stoney clay till
670			

BORING #3
Sta 1495+48, 15 ft Left ℄
Surface of Ground = 706.3

Elev.	N	Qu.	
705			Stiff black silty clay
	3		Medium brown mottled clay
700	11		
	18		Medium gray sandy silt
695	26		Medium gray silty fine sand.
	31		Dense gray silt.
690	25		Dense gray fine sand, occasional gravel
	38	7.26	Very dense gray subangular
685	77		poorly graded gravel, thin
	87		very stiff silt lenses
	37		Dense gray fine sand, occasional gravel
680	67	8.44	Very stiff gray sandy clay till
	116		
675	100/11		Hard gray stoney clay till

NOTE: N = Blows per foot of penetration of sampling spoon Hammer Weight = 350 Lbs
Drop = 12 inches
Qu = Unconfined compressive strength in tons per square foot

STATION 1494+00
BUILT 195 BY
STATE OF ILLINOIS
S.B.I. RT. 8 SEC. 28 BR
PROJECT F-28 (9)
LOADING H20-S16

NAME PLATE DATA

GENERAL NOTES

Class X concrete shall be used throughout except in hand rails
Handrail concrete shall be used in hand rails
The concrete floor slab shall be finished in accordance with Article 51.19 of the Standard Specifications
Slope wall shall be reinforced with welded wire fabric 6"x6" mesh, #8 wires, weighing 58 lbs per 100 sq ft.
Layout of slope walls shall be varied to suit ground conditions in the field, as directed by the Engineer.
The handrail concrete in the rail posts and railing shall be poured in separate operations.
Expansion guards shall be fabricated and erected in accordance with Article 51.13(d) of the Standard Specifications
Expansion guards are included in quantity of Structural Steel. Estimated Weight 1830 Lbs
Except as otherwise provided, all structural steel shall receive one shop coat of red lead paint and two field coats of aluminum paint. See Articles 56.1 to 56.5 inclusive of the Standard Specifications.
All paint shall be furnished and applied by the Contractor.
The Contractor shall drive two test piles (in permanent location) as directed by the Engineer before ordering remainder of piles (One at West abutment and one at Pier 2.
All rollers, bearing plates, sole plates and anchor bolts shall be fabricated and set in accordance with Article 51.15 of the Standard Specifications and are included in quantity of Structural Steel. Estimated Weight 7960 Lbs.
All surfaces of the expansion guards inaccessable after placing shall be given two shop coats of red lead paint. The anchor studs shall not be painted

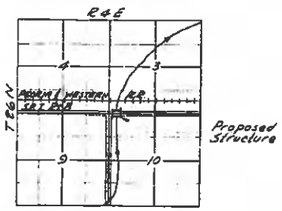
TOTAL BILL OF MATERIAL

ITEM		SUPER	SUB	TOTAL
Class X Concrete	Cu Yds.	163.7	34.0	197.7
Handrail Concrete	Cu Yds.	4.0		4.0
Reinforcement Bars	Lbs.	38,120	2,650	40,770
Structural Steel	Lbs.	4,790		4,790
Name Plate	Ea.	One		One.
Precast Concrete Piles	Lin. Ft.		550	550
Test Piles, Concrete	Ea.		2	2.
Slope Wall	Sq. Yds.			1010
Class A Excavation for Structure	Cu. Yds.			42
Class B Excavation for Structure	Cu. Yds.			80
Channel Excavation	Cu. Yds.			189
Removal of Existing Structure	Ea.			One.

DESIGNED [illegible]
DRAWN [illegible]
CHECKED [illegible]
CHECKED [illegible]
JUNE 26, 1958
EXAMINED [illegible]
PASSED [illegible]
APPROVED [illegible]

WATERWAY INFORMATION

Drainage Area	5900 Acres
Character	level rolling
Required Opening	325 Sq. Ft. (30 yr. flood)
Present Opening	258 Sq. Ft.
Proposed Opening	330 Sq. Ft.
Ordinary Water	Elev. 698.76



LOCATION DIAGRAM

DESIGN STRESSES
f_c = 1400 psi (Super.)
f_s = 20,000 psi (Reinf.)
f_s = 18,000 psi (Struct.)
n = 10

LOADING H20-S16-44

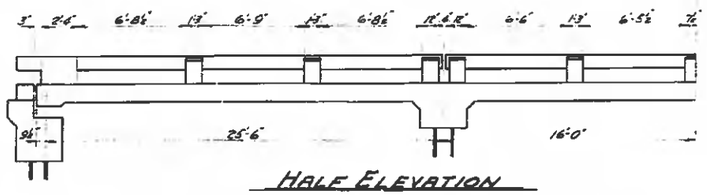
GENERAL PLAN & ELEVATION
S.B.I. RT. 8 SEC. 28 BR
McLEAN COUNTY
STA. 1494+00

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

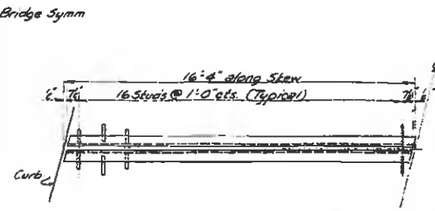
PILE DATA

Capacity	22 Tons
Type	14" Precast Concrete
Est Length	25'-0"
No. Required	13 (+1 Test Pile)

6	28BP	McLean	4	5

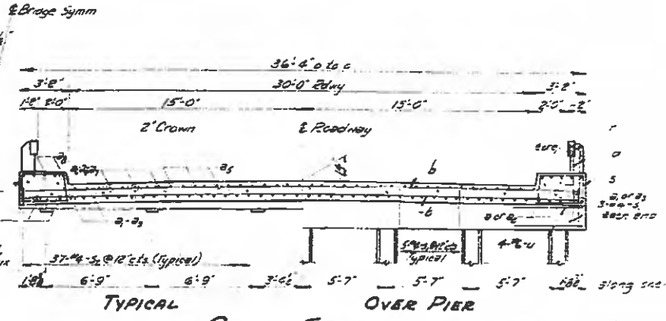


HALF ELEVATION

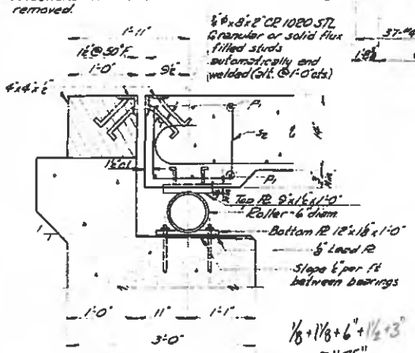


PLAN OF EXPANSION GUARD

Shaded area to be poured after superstructure falsework has been removed.



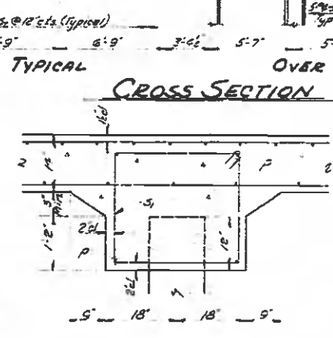
CROSS SECTION



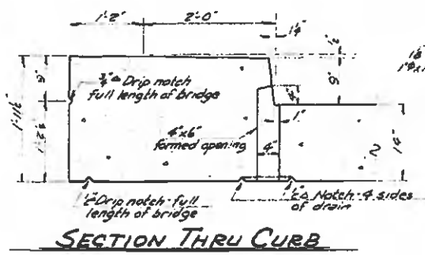
HALF PLAN

SECTION A-A

1⅛+1⅛+6"+1½+3" = 11.75"



SECTION B-B

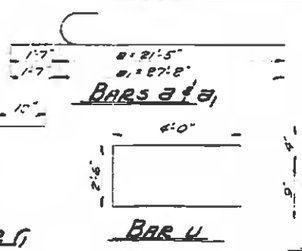


SECTION THRU CURB

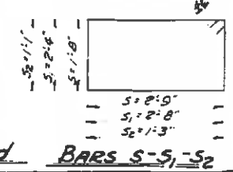
BOTTOM PL

TOP BEARING PL ANCHOR DETAIL

2'-0" x 6" x 2" CP 1020 ST. Granular or Solid Flux filled studs - automatically end welded.



BARS a & a₁ — BAR U — BAR C — BAR d



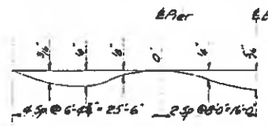
BARS S - S₁ - S₂

BILL OF MATERIAL - SUPER

BAR	NO	SIZE	LENGTH	SHAPE
a	48	#10	27'-0"	
a₁	50	#10	28'-6"	
a₂	24	#10	22'-6"	
a₃	25	#10	30'-3"	
a₄	42	#11	28'-0"	
a₅	40	#11	11'-5"	
a₆	42	#5	16'-0"	
a₇	21	#5	12'-0"	
a₈	40	#5	21'-9"	
b	160	#5	36'-6"	
d	108	#5	3'-6"	
e	16	#5	25'-6"	
e₁	8	#5	31'-6"	
P	8	#7	36'-6"	
P₁	12	#7	36'-6"	
r	56	#4	2'-3"	
r₁	16	#4	2'-6"	
s	168	#4	9'-9"	
s₁	78	#4	10'-9"	
s₂	76	#4	5'-6"	
u	16	#6	10'-6"	

Handrail Concrete	Cu. Yds.	46
Class X Concrete	Cu. Ft.	1627
Reinforcement Bars	Lbs	38,120
Structural Steel	Lbs	4760
Precast Concrete Piles	Lin. Ft.	325
Test Piles (Concrete)	Ea	One

DESIGNED	Louis Grafenhofer	June 26, 1958
CHECKED	M. G. Reece	
DRAWN	J. Coleman	
CHECKED	Engr.	
APPROVED	R. R. Bartholomew	



DEAD LOAD DEFLECTION DIAGRAM

SUPERSTRUCTURE
S.B.I. RT. 8 SEC. 28 BR
McLEAN COUNTY
STA. 1494+00.00

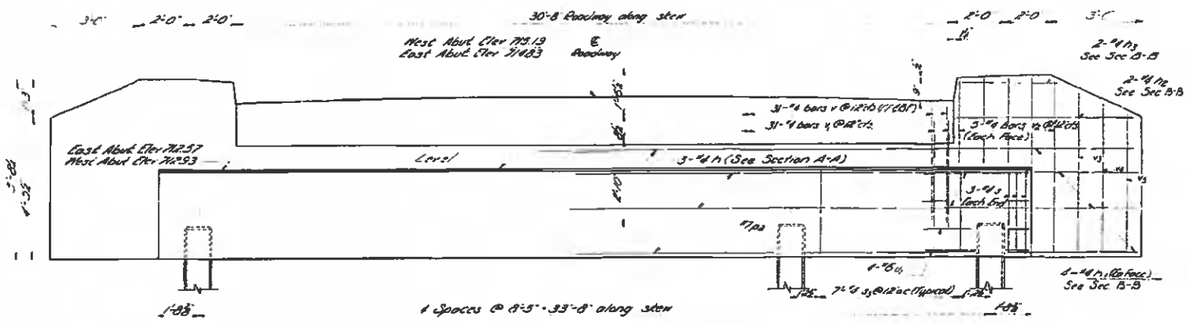
14"+3"+14"=31" = 2.58'

P₁
℄ = 715.08
EOP = 714.91
-2.58
Bottom Cp = 712.33

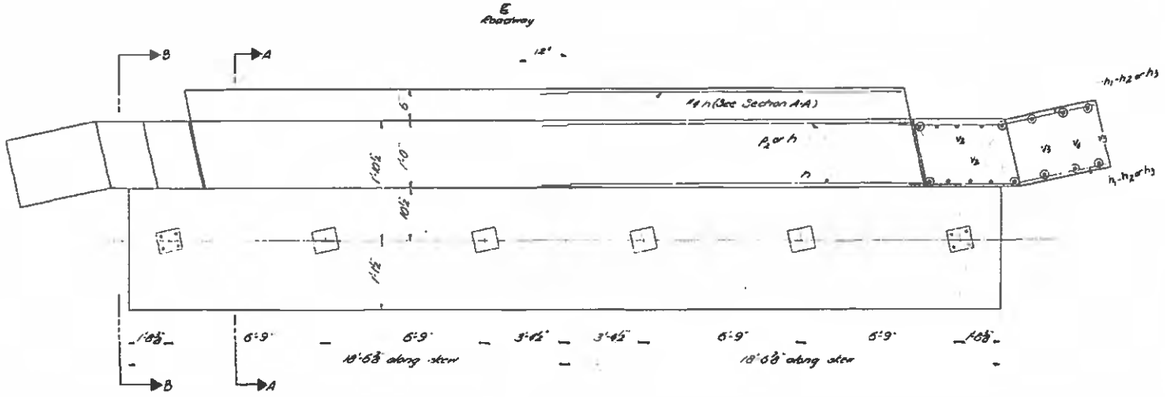
P₂
℄ = 714.94
EOP = 714.77
-2.58
Bottom Cp = 712.19

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS & BUILDINGS
DIVISION OF HIGHWAYS

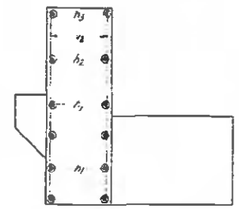
					SHEET NO. 3
3	28BR	McLean	9	6	3 SHEETS



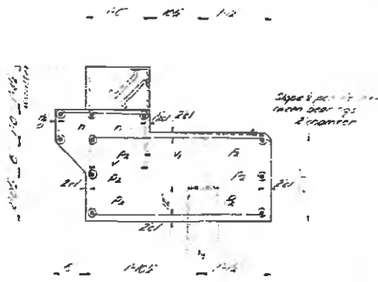
ELEVATION



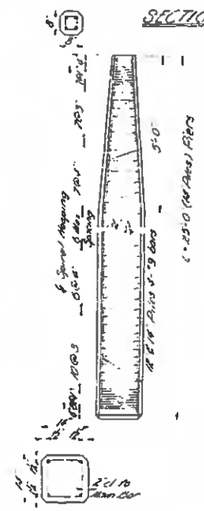
PLAN OF ABUTMENT



SECTION B-B



SECTION A-A



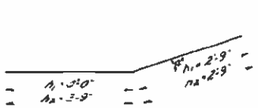
PILE DATA

Type	14" Precast Concrete
Capacity	17 Tons
Est Length	25'-0"
No. Required	9
Test Piles (Concrete)	1

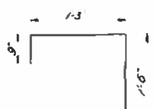
BILL OF MATERIAL - 2 ABUT.

Bar	No	Size	Length	Shape
h	15	#4	15'-3	
h1	30	#4	7'-3	
h2	9	#4	4'-5"	
h3	2	#4	2'-5"	
v	124	#4	3'-0"	
v1	62	#4	3'-5	
v2	10	#4	5'-3"	
v3	8	#4	4'-3	
v4	6	#4	4'-3"	
v5	8	#4	5'-5"	
p1	12	#7	36'-9	
s3	59	#4	1'-5	
s	15	#6	10'-3	
Class A Concrete		Cu Yds	34.5	
Reinforcement Bars		Lbs	2,450	
Precast Concrete Piles		Lin Ft	225	
Test Piles (Concrete)		Each		

Bar - u1

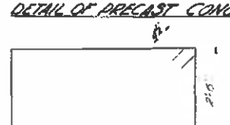


Bars h1-h2-h3



Bar v1

DETAIL OF PRECAST CONCRETE PILES

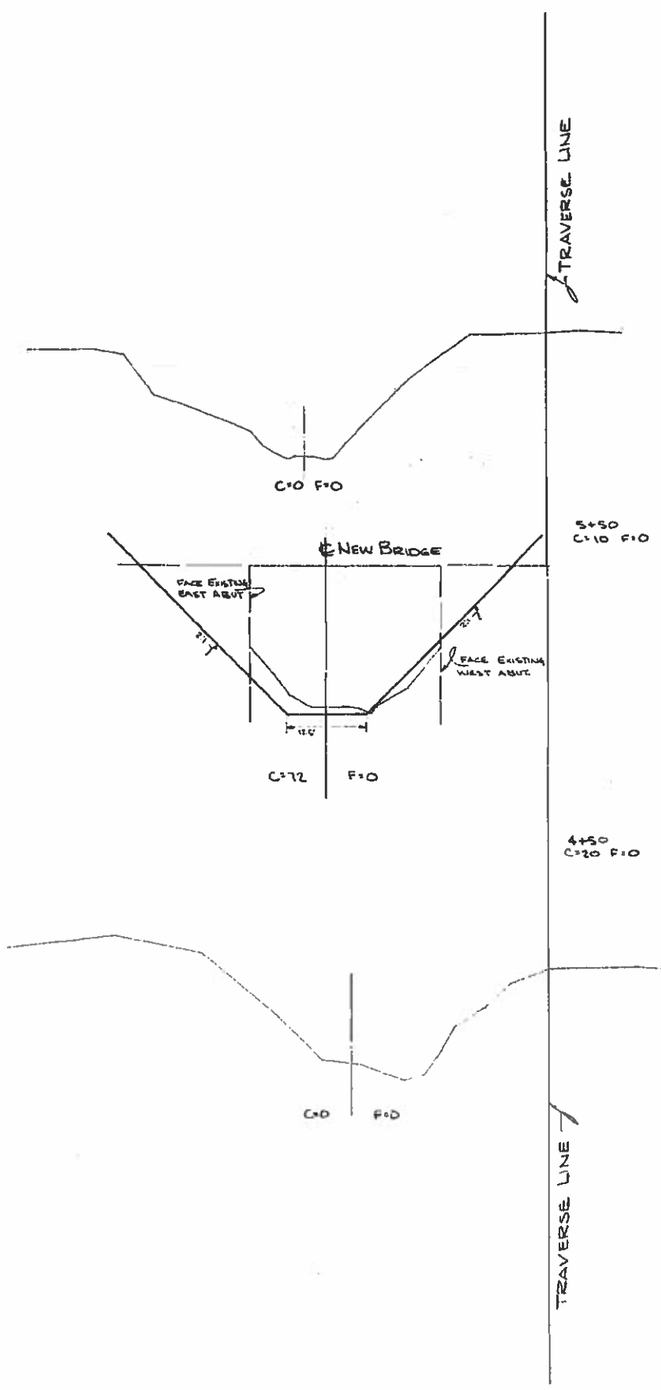


Bar s3

DESIGNED	
CHECKED	M.H. Riviello
DRAWN	W.L. Jacobs
CHECKED	

JUNE 26, 1958
EXAMINED
PASSED
APPROVED

ABUTMENTS
S.B.I. Pr. 8 Sec. 28BR
McLEAN COUNTY
STA. 1494+00.00



STA 1493+65 SBI-8=
STA. 5+00 TRAVERSE LINE
STA 0+00 IS NORTH OF STA. 1493+65

CROSS SECTIONS CHANNEL
CHANGE STA. 1493+65 (TRAVERSE)

708 6+00

703 5+00

707 4+00

SBI ROUTE 8 SEC 2BR MCLEAN COUNTY

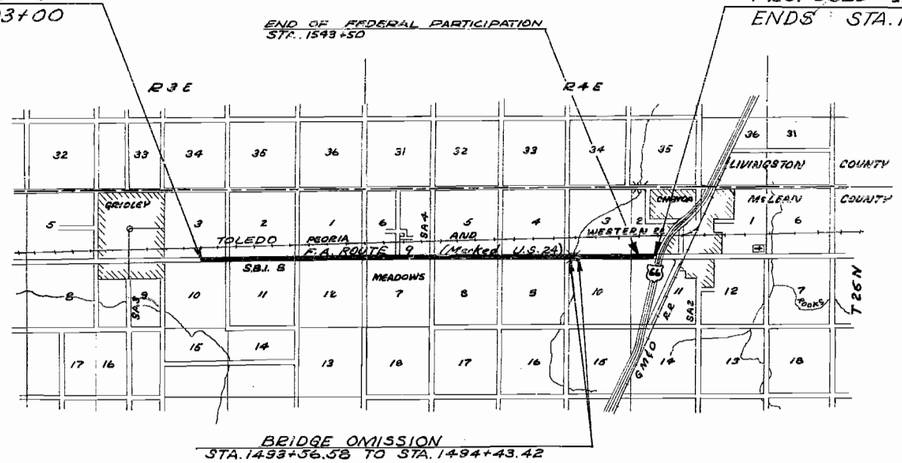
BOND ISSUE ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. RT 8	(28,29)R	McLEAN	70	1
FED. ROAD DIST. NO. 7	ILLINOIS	PROJECT	F-28(8)	

STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
STATE BOND ISSUE HIGHWAY

SCALES

PLAN	1 INCH	100 FT.	
PROFILE, HOR.	1 INCH	100 FT.	
PROFILE, VERT.	1 INCH	10 FT.	
CROSS-SECTIONS	1 INCH	10 FT.	HORZ.
		5 FT.	VERT.

S.B.I. ROUTE 8, SEC. (28, 29) R, McLEAN CO.
F.A. PROJ. F-28(8)



STATE OF ILLINOIS
DEPARTMENT OF PUBLIC WORKS AND BUILDINGS
DIVISION OF HIGHWAYS

SUBMITTED Aug. 28, 1958 — John Shaylock Jr., DISTRICT ENGINEER
EXAMINED Sept. 16, 1958 — C. W. Ambell, ENGINEER OF ROAD PLANS AND CONTRACTS
PASSED Sept. 16, 1958 — DIRECTOR OF DIVISION
APPROVED Sept. 16, 1958 — CHIEF HIGHWAY ENGINEER
APPROVED Sept. 16, 1958 — DIRECTOR

DEPARTMENT OF COMMERCE
BUREAU OF PUBLIC ROADS
Approved
[redacted]
DIVISION ENGINEER — DATE

FEDERAL PORTION - NET LENGTH - 33963.16 FEET, 6.432 MILES
STATE PORTION - NET LENGTH - 1950 FEET, 0.369 MILES
TOTAL - 35,913.16 FEET, 6.802 MILES

FEDERAL PORTION	STATE PORTION	TOTAL		
		SECTION (28 & 29) R		
143,913	9616	153,529	CU. YDS.	EARTH EXCAVATION
46,305	-	46,305	CU. YDS.	BORROW EXCAVATION
187	-	187	IN. DIA.	TREE REMOVAL (6" - 15" DIA.)
2,043	38	2,081	IN. DIA.	TREE REMOVAL (OVER 15" DIA.)
42,256	-	42,256	SQ. YDS.	PAVEMENT REMOVAL
90,342	-	90,342	SQ. YDS.	PORTLAND CEMENT CONCRETE PAVEMENT (10")
-	1219	1,219	SQ. YDS.	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING (9")
227	"	227	SQ. YDS.	PORTLAND CEMENT CONCRETE PAVEMENT (16½"-10½"-16½")
90,342	"	90,342	SQ. YDS.	PAVEMENT FABRIC
79.6	33.5	113.1	CU. YDS.	CLASS "X" CONCRETE
18,924	5340	24,264	LBS.	REINFORCEMENT BARS
200	"	200	LIN. FT.	STEEL PLATE BEAM GUARD RAIL
780	52	832	LIN. FT.	PIPE CULVERTS, TYPE 1, 15"
196	"	196	LIN. FT.	PIPE CULVERTS, TYPE 1, 18"
32	"	32	LIN. FT.	PIPE CULVERTS, TYPE 1, 21"
126	"	126	LIN. FT.	PIPE CULVERTS, TYPE 1, 24"
116	"	116	LIN. FT.	PIPE CULVERTS, TYPE 1A, 30"
207	"	207	LIN. FT.	PIPE CULVERTS, TYPE 1A, 36"
224	"	224	LIN. FT.	PIPE CULVERTS, TYPE 1A, 42"
140	"	140	LIN. FT.	PIPE CULVERTS, TYPE 1A, 48"
330	"	330	LIN. FT.	PIPE CULVERTS, TYPE 2 , 15"
70	"	70	LIN. FT.	PIPE CULVERTS, TYPE 2 , 18"
38	"	38	LIN. FT.	PIPE CULVERTS, TYPE 2, 24"
190	"	190	LIN. FT.	PIPE CULVERTS, TYPE 2A, 36"
70	"	70	LIN. FT.	PIPE CULVERTS, TYPE 2A, 42"
73	"	73	LIN. FT.	PIPE CULVERTS, TYPE 2A, 48"
298	"	298	LIN. FT.	STORM SEWER, TYPE 1, 4"
815	"	815	LIN. FT.	STORM SEWER, TYPE 1, 6"
8	"	8	LIN. FT.	STORM SEWER, TYPE 2, 4"
8	"	8	LIN. FT.	STORM SEWER, TYPE 2, 5"
99	"	99	LIN. FT.	STORM SEWER, TYPE 2, 8"
-	42	42	LIN. FT.	STORM SEWER, TYPE 2, 10"
116	"	116	LIN. FT.	STORM SEWER, TYPE 2, 12"
-	186	186	LIN. FT.	STORM SEWER, TYPE 2, 18"
36	"	36	LIN. FT.	STORM SEWER, TYPE 2, 36"
735	"	735	LIN. FT.	PIPE UNDERDRAINS, 10"
2	1	3	EACH	MANHOLES, TYPE A, 4' DIA. WITH TYPE 1 FRAME AND CLOSED LID
750	"	750	LIN. FT.	DRAIN TILE REMOVAL
2,809	176	2985	TONS	GRAVEL OR CRUSHED STONE SHOULDERS, TYPE B
27,135	"	27135	TONS	SUB-BASE GRANULAR MATERIAL, TYPE A
1,857	"	1857	TONS	GRAVEL OR CRUSHED STONE BASE COURSE, TYPE A
437	"	437	TONS	GRAVEL OR CRUSHED STONE SURFACE COURSE, TYPE A
-	370	370	EACH	HOLES DRILLED
-	7400	7400	GALS.	BITUMINOUS MATERIAL PUMPED
-	2	2	TONS	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS
1,625	520	2145	GALS.	BITUMINOUS MATERIALS, (PRIME COAT)
11	9	20	TONS	AGGREGATE (PRIME COAT)
-	5	5	TONS	LEVELING BINDER (HAND METHOD)
-	156	156	TONS	LEVELING BINDER (MACHINE METHOD)
-	416	416	TONS	BITUMINOUS CONCRETE BINDER COURSE
-	325	325	TONS	BITUMINOUS CONCRETE SURFACE COURSE, SUB-CLASS I-11
492	-	492	TONS	INCIDENTAL BITUMINOUS SURFACING
60		60	UNITS	REMOVING AND REPLACING CURING COVERING
380	-	380	LIN. FT.	PAVED DITCH
9,738	107	9845	SQ. YDS.	SODDING
41	1	42	UNITS	SUPPLEMENTAL WATERING
35.1	2.9	38.0	ACRES	TEMPORARY SEEDING
35.1	2.9	38.0	ACRES	COMPLETE SEEDING
2.8	0.3	3.1	TONS	FERTILIZER NUTRIENTS
140	12	152	TONS	STRAW FOR ASPHALTED COATED MULCH
14,000	1200	15,200	GALS.	EMULSIFIED ASPHALT
99	12	111	EACH	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS
2	-	2	EACH	PROJECT MARKERS
-	15	15	LIN. FT.	NON-METALLIC CONDUIT
-	1	1	EACH	HAND HOLES

BOND ISSUE ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I.2	(28,29)R	McLEAN	70	2

(FED. ROAD DIST. NO. 7) | ILLINOIS | FED. AID PROJECT

INDEX OF SHEETS

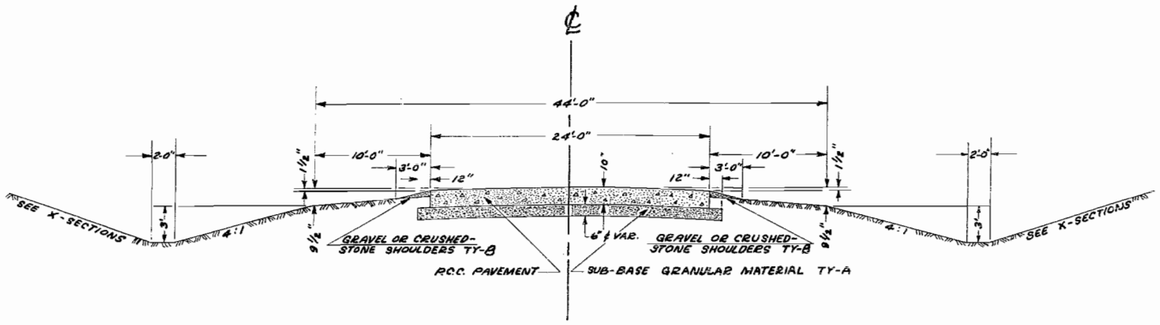
HIGHWAY CLASSIFICATION

4910 (1978) -T-70

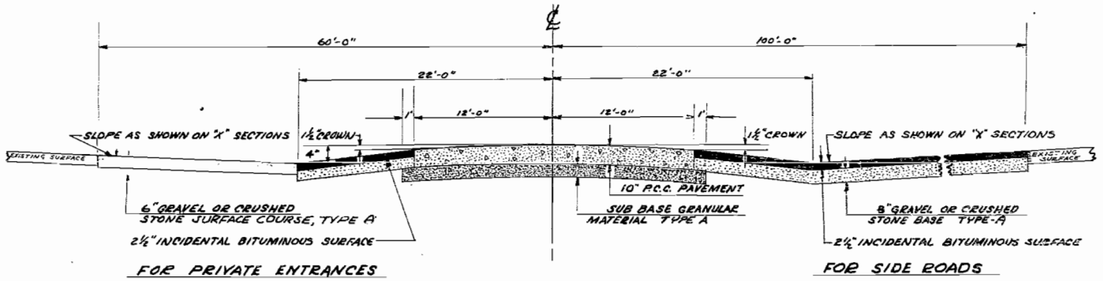
MAXIMUM GRADE 1.00%

NOTE: TWO SIGNS CONFORMING TO STANDARD 2136 SHALL BE ERECTED AT LOCATIONS AS DIRECTED BY THE ENGINEER

TYPICAL SECTION 1
(STANDARD 206BR)

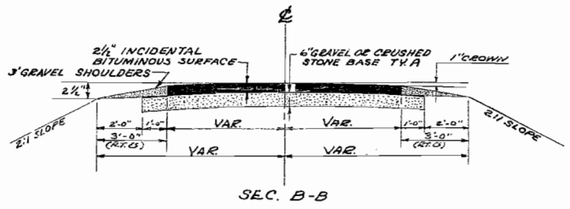


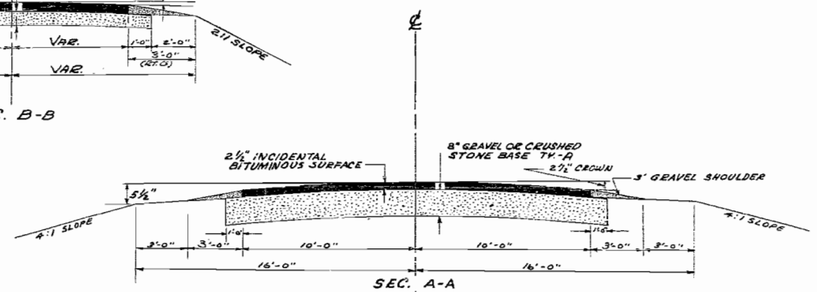
TYPICAL SECTION 2



FOR PRIVATE ENTRANCES

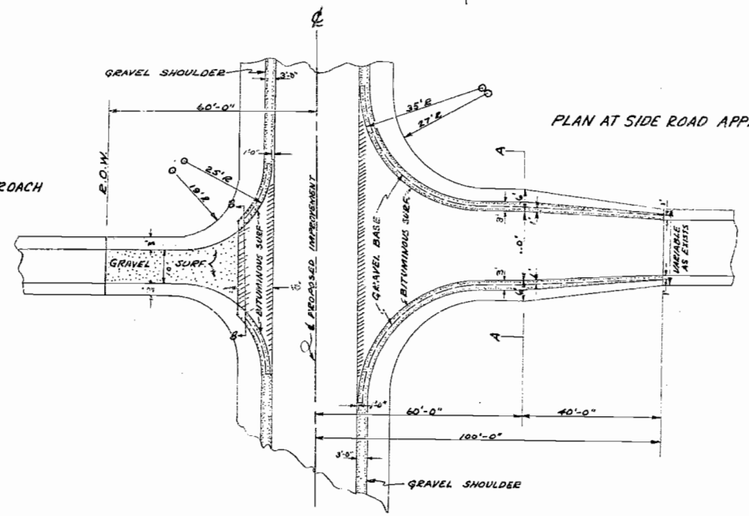
FOR SIDE ROADS





PLAN AT PRIVATE ENTRANCE APPROACH

PLAN AT SIDE ROAD APPROACH



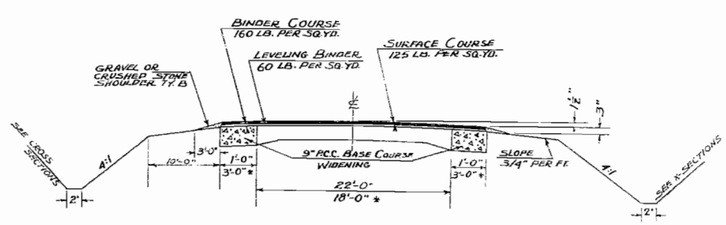
MAIL BOX TURNOUTS STD.1776R

STATION	SIDE	GRAVEL OR CRUSHED STONE SURFACE COURSE TYPE-A
1206 +60	LT.	8.9 TON
1221 +88	RT.	8.9 TON
1227 +26	RT.	8.9 TON
1274 +40	RT.	8.9 TON
1276 +50	RT.	8.9 TON
1278 +90	RT.	8.9 TON
1301 +88	LT.	8.9 TON
1320 +71	LT.	8.9 TON
1405 +36	RT.	8.9 TON
1411 +44	RT.	8.9 TON
1421 +53	RT.	8.9 TON
1460 +12	RT.	8.9 TON
1466 +13	RT.	8.9 TON
1484 +21	RT.	8.9 TON
1486 +00	RT.	8.9 TON
1506 +48	RT.	8.9 TON
1521 +04	RT.	8.9 TON
1527 +26	RT.	8.9 TON
TOTAL		160.2 TON

SUBBASE GRANULAR MATERIAL TYPE-A

STATION	TO	STATION	SUBBASE
1203+00	TO	1208+00	4 INCHES
1208+00	TO	1215+00	6 "
1215+00	TO	1224+00	4 "
1224+00	TO	1238+00	6 "
1238+00	TO	1270+00	4 "
1270+00	TO	1290+00	6 "
1290+00	TO	1319+00	4 "
1319+00	TO	1324+00	11 "
1324+00	TO	1336+00	6 "
1336+00	TO	1349+00	4 "
1349+00	TO	1373+00	6 "
1373+00	TO	1415+00	4 "
1415+00	TO	1430+00	6 "
1430+00	TO	1443+00	4 "
1443+00	TO	1450+00	6 "
1450+00	TO	1456+00	4 "
1456+00	TO	1463+00	6 "
1463+00	TO	1470+00	4 "
1470+00	TO	1485+00	6 "
1485+00	TO	1515+00	4 "
1515+00	TO	1530+00	6 "
1530+00	TO	1541+00	4 "
1541+00	TO	1543+50	10 "

NOTE:
AT POINTS OF CHANGE IN SUB-BASE THICKNESS, THE SUB-BASE SHALL BE TAPERED IN 25 FEET STARTING AT THE LIMITS OF THE THICKER SECTION AND EXTENDING INTO THE THINNER SECTION.



TYPICAL SECTION 3

STA. 1543+50 TO STA. 1561+30.2 *
STA. 1561+30.2 TO STA. 1562+75.2

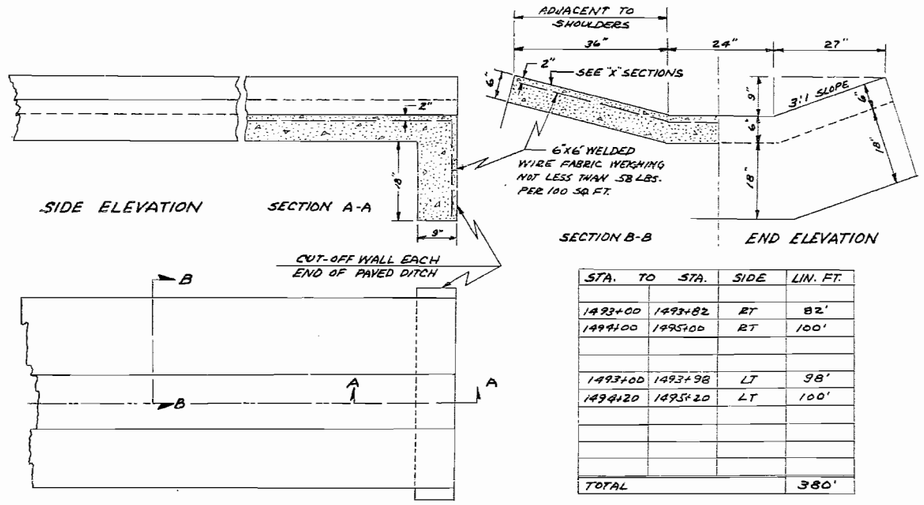
SODDING

STA. TO STA.	SIDE	PRIVATE & FIELD ENTRANCES	SLOPES & DITCHES	SHOULDER STRIP	SIDE SLOPE	SOD DITCHES
1206+61	RT.	48.2				
1209+63	LT.	50.6				
1221+24	RT.	36.0				
1221+50 TO 1222+53	RT.		399			
1226+80 TO 1227+80	RT.		424			
1228+26	RT.	49.6				
1228+55	LT.	58.4				
1236+29	RT.	50.0				
1254+13	RT.	94.5				
1262+16	RT.	60.3				
1262+22	LT.	60.5				
1273+88	RT.	43.2				
1274+03 TO 1275+00	RT.		422			
1278+79	RT.	48.9				
1288+97	RT.	47.3				
1302+10	LT.	59.3				
1315+45	RT.	92.7				
1320+66	RT.	61.4				
1320+78 TO 1322+13	RT.		609			
1338+58	RT.	56.0				
1341+29	LT.	52.7				
1352+90 TO 1354+45	LT.		673			
1354+14	RT.	70.8				
1355+00 TO 1356+46	LT.		660			
1361+26	RT.	54.6				
1361+35 TO 1362+89	RT.		670			
1362+97	RT.	52.4				
1365+00	LT.	32.8				
1405+39	RT.	37.9				
1407+80	LT.	49.1				
1411+66	RT.	30.6				
1420+78 TO 1422+00	LT.		888			
1422+40	LT.	70.0				
1434+39	LT.	12.1				
1447+06	RT.	30.0				
1448+15	LT.	19.0				
1459+57	LT.	39.4				
1459+65 TO 1460+65	LT.		428			
1465+85	RT.	36.2				
1466+08	LT.	38.8				
1474+00	LT.	32.2				
1483+95 TO 1484+95	RT.		362			
1485+03	RT.	38.8				
1487+01	LT.	7.4				
1487+41	LT.	11.3				
1493+00 TO 1493+56.58	RT & LT.				522	
1494+43.42 TO 1495+00	RT & LT.				522	
1500+54	LT.	71.5				
1506+25	RT.	58.1				
1513+82	LT.	35.1				
1519+30 TO 1520+85	LT.		667			
1521+00	LT.	47.1				
1527+15	RT.	52.2				
1527+25 TO 1528+34	RT.		446			
1527+32	LT.	48.6				
1540+68	LT.	40.0				
1540+64	RT.	38.1				
1555+85	RT.	55.4				
1557+88	LT.	52.4				
TOTAL	—	2152.5	6648.0		1044.0	
JOB TOTAL	—	9844.5				

TABLE OF CLASS "X" CONCRETE AND REINFORCEMENT BARS

STATION	SIDE	TYPE	STANDARD AND DESIGN NUMBER	CLASS "X" CONCRETE CU.YDS.	REINFORCEMENT BARS LBS
1255+06	LT & RT	HDWL'S.	2103 D48-2	10.7	630
1291+49	LT. & RT	HDWL'S	1976 D36-2	3.5	100
1300+20	LT. & RT.	HDWL'S	1976 D36-2	3.5	100
1310+50	LT & RT.	HDWL'S	1997 D48-2	7.6	460
1327+78	LT. & RT.	HDWL'S	1976 D36-2	3.5	100
1344+00	LT. & RT.	HDWL'S	1997 D42-2	6.2	400
1359+86	LT. & RT.	HDWL'S	1997 D42-2	6.2	400
1380+99	LT. & RT.	HDWL'S	2102 D30-2	3.8	190
1403+28	LT. & RT.	HDWL'S	1997 D42-2	6.2	400
1412+09.5	LT. & RT.	HDWL'S	1976 D36-2	3.5	100
1420+60	LT.	HDWL	935	0.7T	
1441+11	LT & RT.	HDWL'S	2103 D42-2	8.8	540
1456+74	LT. & RT.	HDWL'S	1976 D36-2	3.5	100
1470+73	LT. & RT.	HDWL'S	1976 D36-2	3.5	100
1493+56.58 TO 1493+56.58	℄	APPROACH SLAB	1908R METHOD II	1.65	7,602
1494+43.42 TO 1494+85.97	℄	APPROACH SLAB	1908R METHOD II	1.65	7,602
1537+73	LT & RT.	HDWL'S	1976 D36-2	3.5	100
1559+45	LT & RT	BOX CULVERT	2030 SPECIAL	33.5	5,340
1494+09	RT.	TILE HDWL	935	1.2	
1494+46	LT.	TILE PLUG		0.3	
TOTALS				113.07 CU.YDS.	24,264 LBS.

SPECIAL PAVED DITCH



STA.	TO	STA.	SIDE	LIN. FT.
1493+00		1493+82	RT	82'
1494+00		1495+00	RT	100'
1493+00		1493+98	LT	98'
1494+20		1495+20	LT	100'
TOTAL				380'

S.B.I. ROUTE 8, SEC. (28 & 29)R McLEAN CO.

F.A. ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
581-B	(28,29)R	McLEAN	70	5

FED. ROAD DIST. NO. 7 | ILLINOIS | FED. AID PROJECT

TREE REMOVAL

STATION	SIDE	DISTANCE	6" TO 15"	OVER 15"
1222 +33	RT.	60'		44"
1225 +19	RT.	55'		19"
1225 +52	RT.	55'		20"
1226 +14	RT.	56'	14"	
1226 +34	RT.	55'		19"
1226 +54	RT.	55'		20"
1228 +39	RT.	56'		38"
1228 +72	RT.	57'		28"
1275 +87	LT.	35'	8"	
1275 +87	LT.	41'	8"	
1275 +87	LT.	50'	8"	
1275 +87	LT.	60'	8"	
1276 +19	LT.	4'		20"
1353 +13	LT.	51'		30"
1353 +52	LT.	53'	12"	
1353 +94	LT.	52'		24"
1355 +88	RT.	33.7'		19"
1356 +21	RT.	34.3'		18"
1356 +39.5	RT.	34.8'	13"	
1356 +58	RT.	34.3'		22"
1356 +92.5	RT.	34.6'		16"
1359 +92.5	RT.	40.5'		22"
1360 +02.6	RT.	48.5'		28"
1360 +07.2	RT.	48.3'		26"
1360 +30.1	RT.	48.3'		30"
1360 +46.5	RT.	40.1'		24"
1360 +43.5	RT.	42.3'		29"
1360 +59.9	RT.	49.2'		19"
1360 +65	RT.	40.6'		18"
1360 +85	RT.	48.3'		19"
1360 +91	RT.	39'		25"
1361 +03.4	RT.	31.4'		29"
1361 +15.3	RT.	32.6'		22"
1361 +39	RT.	32.5'		31"
1402 +97	RT.	37.0'		22"
1402 +97	RT.	47.6'		25"
1403 +17	RT.	38.0'		20"
1403 +28.5	RT.	48.0'		20"
1403 +48.2	RT.	37.6'		26"
1403 +56.6	RT.	37.7'		26"
1403 +68.5	RT.	37.8'		18"
1403 +78.6	RT.	47.1'		31"
1403 +98.5	RT.	36.8'		35"
1404 +29.4	RT.	38.1'		18"
1404 +40.6	RT.	47.3'		36"
1404 +52.3	RT.	38.0'		29"
1404 +61.4	RT.	37.7'		28"
1404 +82.5	RT.	47.0'		22"
1404 +93.7	RT.	38.2'		17"
1405 +06	RT.	47.6'		26"
1405 +14.5	RT.	38.6'		16"
1405 +35.4	RT.	38.3'		28"
1405 +56	RT.	39.2'		26"
1405 +56	RT.	58.0'		30"
1406 +20.8	RT.	30.0'		16"
1406 +33.6	RT.	25.3'	7"	
1406 +89.1	RT.	29.5'	10"	
1406 +97.3	RT.	27.6'		16"
1407 +20.1	RT.	26.2'	15"	
1408 +00	RT.	38.0'		18"
1408 +04.7	RT.	32.3'		18"
1408 +18.5	RT.	32.6'		18"
1408 +18.5	RT.	37.6'		19"
1408 +43	RT.	32.7'		20"
1408 +45	RT.	33.2'	11"	
1408 +49	RT.	38.0'		17"
1408 +56	RT.	39.1'	8"	
1408 +61.2	RT.	37.9'	14"	
1408 +71.5	RT.	33.0'	12"	
1408 +71.5	RT.	38.0'	13"	
1408 +81.6	RT.	38.0'		17"
1408 +82.6	RT.	32.7'		16"
1408 +88.7	RT.	32.0'		19"
1409 +09.8	RT.	32.3'		17"
1409 +20.9	RT.	37.1'		18"
1409 +29.8	RT.	33.0'	13"	
1409 +50.6	RT.	37.1'		19"
1409 +92	RT.	21.2'	6"	
1410 +08	RT.	39.4'		29"
1410 +29	RT.	41.3'		20"
1410 +44.2	RT.	33.6'		36"
1410 +69	RT.	36.8'		22"
1410 +69	RT.	50.7'		34"
1410 +93	RT.	18.8'		37"
1411 +43.5	RT.	18.6'		35"
1411 +77	RT.	18.0'		44"
1421 +57	LT.	48.0'	7"	
1422 +65	LT.	56.0'		18"
1494 +00	RT.	46.0'		18"
TOTAL —			187"	1695"

TREE REMOVAL

STATION	SIDE	DISTANCE	6" TO 15"	OVER 15"
1484 +74	RT.	47'		48"
1486 +89	RT.	48'		36"
1485 +22	RT.	48'		29"
1485 +87	RT.	49'		35"
1486 +36	RT.	49'		31"
1486 +78	RT.	52'		18"
1517 +12	LT.	22'		40"
1518 +52	LT.	23'		30"
1519 +32	LT.	26'		26"
1520 +11	LT.	23'		25"
1520 +41	LT.	23'		30"
1558 +94	LT.	24'		38"
TOTAL —			—	386"
TOTAL —			187"	1695"
GRAND TOTAL			187"	2081"

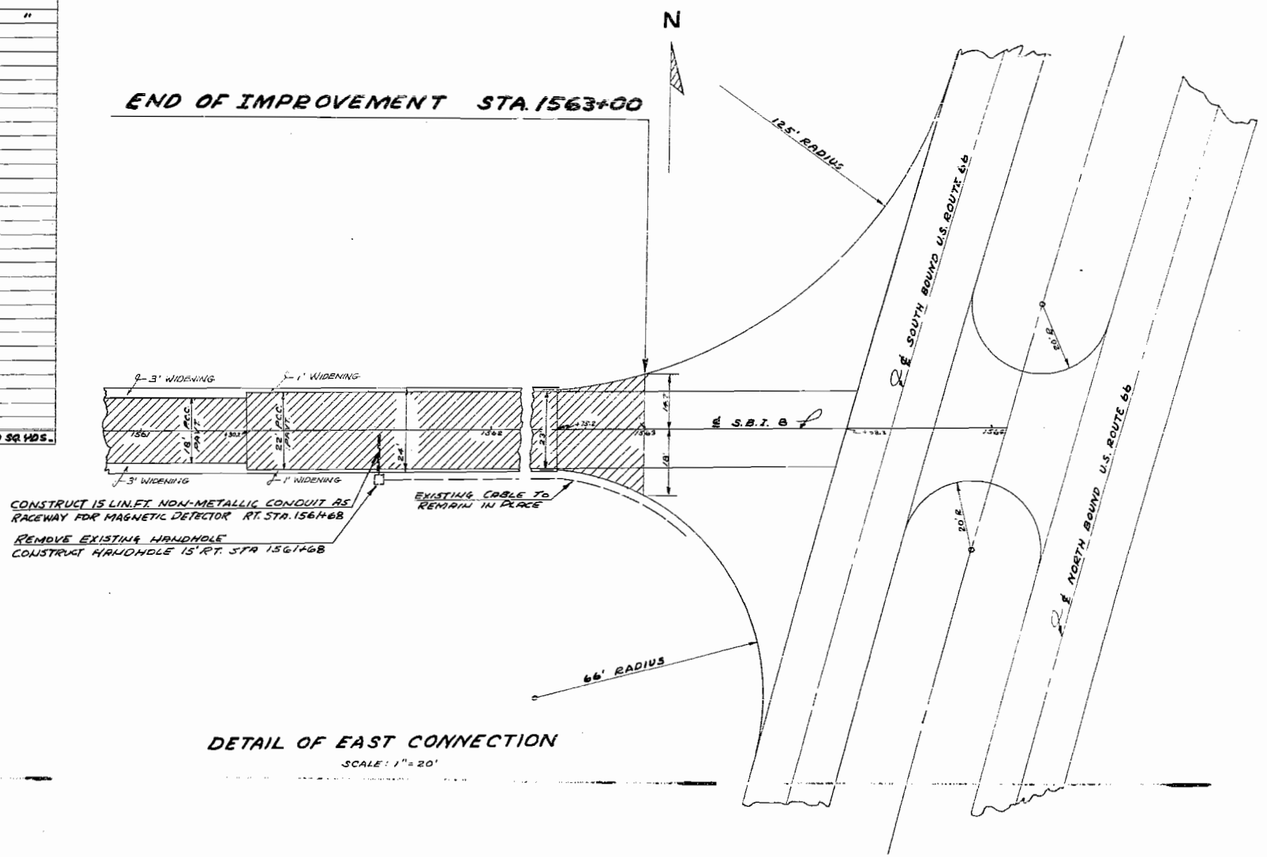
PAVEMENT REMOVAL

STATION	TO STATION	REMOVE ALL	REMOVE Rx HALF
1203+00	TO 1215+00	2756 SQ.YDS.	
1215+00	TO 1223+00		800 SQ.YDS.
1223+00	TO 1248+00	5000 "	
1248+00	TO 1265+00		1700 "
1265+00	TO 1299+00	6800 "	
1319+00	TO 1332+50	2700 "	
1349+50	TO 1400+00	10100 "	
1414+00	TO 1431+00	3400 "	
1459+00	TO 1462+00	1600 "	
1468+00	TO 1485+00	3400 "	
1515+00	TO 1532+00	3400 "	
1540+50	TO 1543+50	800 "	
TOTAL		39,756 SQ.YDS.	2500 SQ.YDS.
JOB TOTAL		42,256 SQ.YDS.	

QUANTITIES FOR SIDE ROADS & PRIVATE ENTRANCES

STATION	SIDE	TYPE	GRAVEL OR CRUSHED STONE BASE COURSE TY A 8"	GRAVEL OR CRUSHED STONE BASE COURSE TY A 8"	BIT. MAT'LS. PRIME	AGGREGATE PRIME	INCIDENTAL BITUMINOUS SURFACING	GRAVEL OR CRUSHED STONE SURF. COURSE, TY A 6"
1206 +61	RT.	P.E.	15		17	.11	4.9	16.3
1221 +24	RT.	P.E.	15		17	.11	4.9	16.3
1222 +85	LT.	S.R.		120.9	102	.68	31.1	
1222 +85	RT.	S.R.		120.9	102	.68	31.1	
1228 +26	RT.	P.E.	15		17	.11	4.9	16.3
1273 +88	RT.	P.E.	15		17	.11	4.9	16.3
1275 +57	LT.	S.R.		124.4	105	.70	32.1	
1275 +57	RT.	S.R.		124.4	105	.70	32.1	
1302 +10	LT.	P.E.	15		17	.11	4.9	16.3
1320 +66	RT.	P.E.	15		17	.11	4.9	16.3
1328 +86	LT.	S.R.		122.7	104	.69	31.6	
1328 +88	RT.	S.R.		124.4	105	.70	32.1	
1338 +58	RT.	P.E.	15		17	.11	4.9	16.3
1354 +70.8	LT.	S.R.		124.4	105	.70	32.1	
1361 +26	RT.	P.E.	15		17	.11	4.9	16.3
1381 +48	LT.	S.R.		126.7	107	.71	32.8	
1381 +48	RT.	S.R.		124.4	105	.70	32.1	
1405 +39	RT.	P.E.	15		17	.11	4.9	16.3
1411 +66	RT.	P.E.	15		17	.11	4.9	16.3
1422 +40	LT.	P.E.	15		17	.11	4.9	16.3
1434 +20	LT.	S.R.		122.7	104	.69	31.6	
1434 +20	RT.	S.R.		120.9	102	.68	31.1	
1459 +77	LT.	P.E.	15		17	.11	4.9	16.3
1465 +95	RT.	P.E.	15		17	.11	4.9	16.3
1485 +03	RT.	P.E.	15		17	.11	4.9	16.3
1487 +21	LT.	S.R.		124.4	105	.70	32.1	
1487 +21	RT.	S.R.		120.9	102	.68	31.1	
1506 +25	RT.	P.E.	15		17	.11	4.9	16.3
1521 +00	LT.	P.E.	15		17	.11	4.9	16.3
1527 +15	RT.	P.E.	15					
MAIL BOX TURNOUTS								160.2
TOTALS —	—	—	255 TONS	1602.1 TONS	1625 GAL.	10.8 TONS	492 TONS	437.3 TONS

END OF IMPROVEMENT STA. 1563+00



DETAIL OF EAST CONNECTION

SCALE: 1" = 20'

8	(28&29)R	McLEAN	70	6

SEE SHEET 2

3

PROPOSED R.O.W. LINE

70'

℄ PROPOSED IMPROVEMENT

℄ EXISTING PAVEMENT

1492 1493 1494 1495 1496 1497

DRAINAGE DITCH

CONSTRUCT TILE PLUG 68'LT.
STA. 1494+46
0.3 CU. YDS. CLASS "X" CONCRETE

SLOPE WALL

2:1

NOTE:
EXISTING TILE TO OUTLET IN PROPOSED SLOPE WALL

EXISTING 8" TILE

TO BE REMOVED

EXISTING (36"X51") CMP

(36"X51") EX. CMP

PAVED DITCH

40'

CONSTRUCT 15 LIN.FT. 8" STORM SEWER TY.-2
70'RT. STA. 1493+48 TO 62'RT. STA. 1493+60'

NOTE:
EXISTING TILE TO OUTLET IN PROPOSED PAVED DITCH

CONSTRUCT SPECIAL TILE HEADWALL
74'RT. STA. 1494+09
1.2 CU. YDS. CLASS "X" CONCRETE

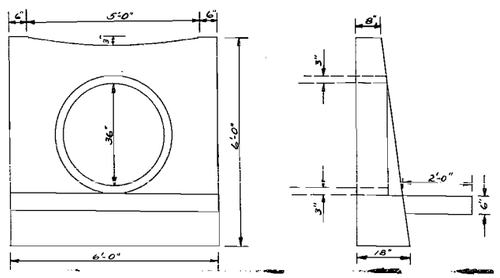
45°

CONSTRUCT 36 LIN.FT. 36" STORM SEWER TY-2
74'RT. STA. 1494+09 TO 100'RT. STA. 1494+31

CONSTRUCTION AGREEMENT

EXISTING 36" TILE

DETAIL SPECIAL TILE HEADWALL



SCALE : 1"=2'

PLAN OF BRIDGE, PAVED DITCH & STORM SEWER
STA. 1492+00 TO STA. 1497+00
SCALE: 1"= 20'

SBI ROUTE 8 SEC.(28,29)R McLEAN COUNTY

HIGHWAY ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI-8	(28,29)R	McLEAN	70	18
FED. R. OR HWY. NO.	ILLINOIS	FED. AID PROJECT		

SEC.4, T26N, R4E, 3RD PM

SEC.3, T26N, R4E, 3RD PM

GEO & ROB'T ROSZHART

CARL VROOMAN

1470 1475 1480 1485 1490 1495 1500

PROPOSED BRIDGE TO BE BUILT BY SEC 28BR CONTRACTOR

OMISSION STA. 1493+56.58 TO STA. 1494+43.42 (SEC.(28,29)R)

CONSTRUCT BRIDGE APPROACH SLABS STD. 1908R METHOD I (NO GUTTER) STA. 1493+14.03 TO STA. 1493+56.58 & STA. 1494+43.42 TO STA. 1494+85.97
3.30 CU.YDS. CLASS "X" CONCRETE
1520.4 LBS. REINF. BARS

CONSTRUCT TILE PLUG 68' LT. STA. 1494+46
0.3 CU.YDS. CLASS "X" CONCRETE

CONSTRUCT PIPE CULVERT (15"X26") TY.1 120' LT. STA. 1487+41

CONSTRUCT PIPE CULVERT (15"X76") TY.2 51' LT. STA. 1487+21

STA 1487+21.2 SBI 8 = 5+00 SD. RD.

℄ PROPOSED IMPROVEMENT

R.O.W.

CONSTRUCT PIPE CULVERT (36"X52") TY. 1 A ℄ STA 1470+73
CONSTRUCT TWO 19"G DSC-2 HOWL'S
3.5 CU.YDS. CLASS "M" CONCRETE
100 LBS. REINFORCEMENT BARS

REMOVE EXISTING 18' PAV'T STA. 1468+00 TO STA. 1485+00

CONSTRUCT PIPE CULVERT (15"X28") TY.1 40' RT. STA. 1485+03

CONSTRUCT PIPE CULVERT (15"X76") TY.2 52' RT. STA. 1487+21

CONSTRUCT 15 LIN.FT. STORM SEWER, TY.2 8" 76' RT. STA. 1493+48 TO 62' RT. STA. 1493+60

CONSTRUCT 84 LIN.FT. STORM SEWER TY.2 8" 37' RT. STA. 1493+00 TO OUTLET IN SLOPE WALL 37' RT STA. 1493+84
FF ELEV. OF TILE @ SLOPE WALL = 700.03

CONSTRUCT SPECIAL TILE OUTLET
74' RT. STA. 1494+09 1.2 CU.YD. CLASS "X" CONCRETE
CONSTRUCT 36 LIN. FT. 36" STORM SEWER, TYPE 2
74' RT. STA. 1494+09 TO 100' RT. STA. 1494+31
SEE SHEET NO. ___ FOR DETAILS

CONSTRUCT 200' STEEL PLATE BEAM GUARD RAIL
LT. STA. 1493+11 TO LT. STA. 1493+61
LT. STA. 1494+49 TO LT. STA. 1494+89
RT. STA. 1492+02 TO RT. STA. 1493+53
RT. STA. 1494+42 TO RT. STA. 1494+82

CHENOA DRAINAGE DISTRICT DITCH

GLARA M. LARTZ

DELMAR STREID

CARL VROOMAN

TIES TO P.O.T. STA. 1490+00
65.65
20.23
89.32

B.M.#59 SPK.E.W. IN T.P. 24' LT. STA. 1474+05 ELEV. 723.08

SEC.9, T26N, R4E, 3RD PM

B.M.#60 SPK.E.W. IN T.P. 21' LT. STA. 1479+84 ELEV. 720.73

B.M.#61 SPK.E.W. IN T.P. 13' LT STA. 1484+85 ELEV. 718.01

B.M.#62 U.S.G.S.B.M. 20' LT STA 1486+91 ELEV. 714.42

B.M.#63 SPK.E.W. IN TP 44' RT. STA. 1491+23 ELEV. 708.71

SEC.10, T26N, R.4E., 3RD P.M.

B.M.#64 SPK.E.W. IN T.P. 44' RT STA. 1496+39 ELEV. 709.30

730 720 710

P.I. STA. 1475+00
400' V.C.
ELEV. 722.99

-0.33%

-0.42%

SUMMIT EL. LT. STA. 1476+00
SUMMIT RT. STA. 1477+00

EL. 719.00
LT. E. = 118.86

PROFILE & PROPOSED 24' P.C.C. PAVEMENT

PROFILE PRESENT GROUND LINE OR PRESENT PAVEMENT ALONG ℄ OF SURVEY

P.I. STA. 1497+00
400' V.C.
ELEV. 713.75

+0.37%

PROFILE PROPOSED RT. DITCH

PROFILE PROPOSED LT. DITCH

708.8 HIGH WATER

PROFILE RT. DITCH

PROFILE LT. DITCH

698.36 BED OF STREAM

+28 +13 +55 +85

CUT - 3983 CU. YDS.
FILL - 3047 CU. YDS.

CUT - 1302 CU. YDS.
FILL - 988 CU. YDS.

CUT - 969 CU. YDS.
FILL - 11259 CU. YDS.
BORROW - 13668 CU. YDS.

CUT - 960 CU. YDS.
FILL - 9132 CU. YDS.
BORROW - 10912 CU. YDS.

722.40 T24.64	722.07 T24.91	722.72 T23.98	722.45 (T23.65) T23.65	722.82 (T23.30) T23.30	722.99 (T22.99) T22.95	722.68 (T22.57) T22.65	721.87 (T22.15) T22.15	720.82 T21.75	720.51 T21.51	720.22 T20.89	720.00 T20.47	719.55 T20.05	718.85 T19.63	717.75 T19.21	716.43 T18.79	716.63 T18.37	713.25 T17.95	711.73 T17.53	711.13 T17.11	711.03 T16.69	710.73 (T16.99) T16.29	710.76 (T16.47) T16.27	710.78 (T15.99) T15.85	710.88 (T15.19) T15.23	711.08 (T16.50) T16.50	710.88 T14.98
1470	1	2	3	4	1475	6	7	8	9	1480	1	2	3	4	1485	6	7	8	9	1490	1	2	3	4	1495	6	7	8	9	1500

12,37 R46 D8 181-3

12,57 R46 D8 181-4

SBI ROUTE 8 SEC(28,29)R McLEAN COUNTY

SBI-8 (28-29)R McLEAN 70 52

7+11 | 1488+00 | F=39? | C=46 | 708.5 | 708.?

7+12 | 1487+54 | F=305 | C=80 | 709.3 | 709.5

7+12 | 1487+43 | F=34? | C=26 | 709.5 | 709.?

CONSTRUCT F.E. PIPE CULVERT (15"X24") TY. I
120' LT. STA. 1483+41
EEAF = 5

7+12 | 1487+31 | F=244 | C=80 | 709.? | 709.9

7+13 | 1487+21 | F=224 | C=110 | 709.9 | 710.1

SIDE ROAD APPROACH ST. RT. STA. 1483+21
CONSTRUCT PIPE CULVERT (13"X18") TY. III
EEAF = 1.78

7+13 | 1487+12 | F=243 | C=92 | 710.1 | 710.3

SIDE ROAD APPROACH LT. STA. 1483+21
CONSTRUCT PIPE CULVERT (13"X18") TY. III
EEAF = 1.77

7+13 | 1487+06 | F=240 | C=93 | 710.3 | 710.5

CONSTRUCT SUMMIT ENTRANCE
120' LT. STA. 1483+01
EEAF = 3

7+13 | 1486+96 | C=33 | 710.5 | 710.6

7+13 | 1486+88 | 710.5

7+14 | 1486+00 | F=150 | C=87 | 711.2 | 712.2

4" SUB-BASE GRANULAR MATERIAL
STA. 1485+00 TO STA. 1515+00

7+16 | 1485+00 | F=73 (24") | F=88 (36") | C=92 | 714.0 | 714.0

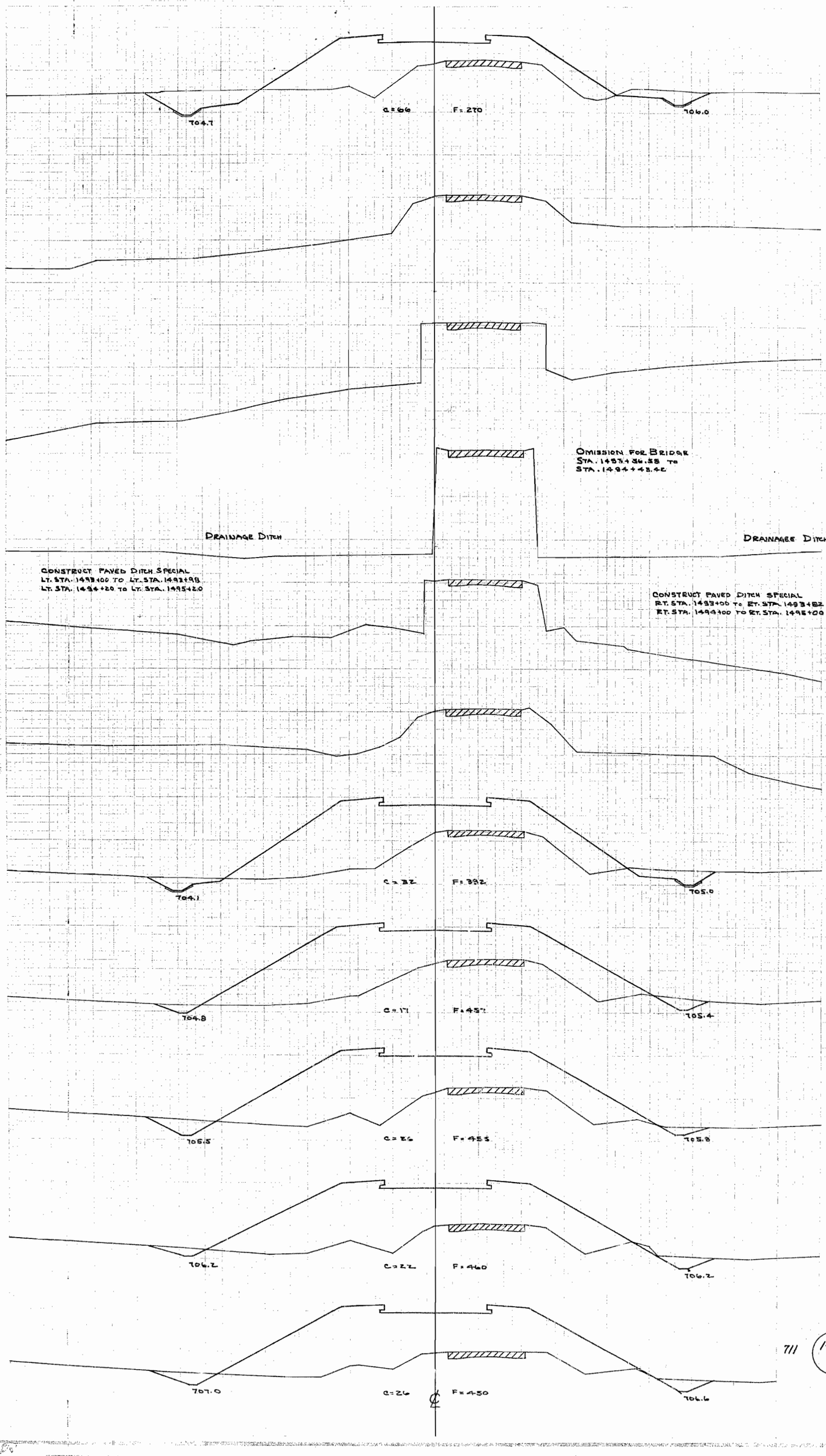
CONSTRUCT PIPE CULVERT (15"X24") TY. I
FR. 40' RT STA. 1485+23
EEAF = 2.3

P.E.P.-W.E.S. 9/57
F.M. 12-58
J.W.C. 1-58

181-4

181-4

A.J.R. 9/57
A.J.R.-W.B.S. 11/57
F.M. 1-58
J.W.C. 2-58



S.B.I. Rt. 8 Sec. (28,29) R

McLean County