

500 LINE OVERHEAD TO

B-44-0465 00

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED
BLUEMOUND DRIVE - MASON STREET
(500 LINE OVERHEAD & APPROACHES)
C.T.H. "00"
OUTAGAMIE COUNTY

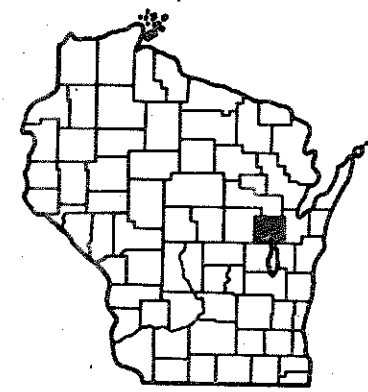
STATE PROJECT NUMBER
4984-0-34

Scales
Plan 1 in. = 50 ft.
Profile Hor. 1 in. = 50 ft. Vert. 1 in. = 5 ft.
Cross Sections Hor. 1 in. = 10 ft. Vert. 1 in. = 10 ft.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
4984-0-33	M 1201(002)	1
4984-0-34	"	2
4984-0-35	"	3

Sheet No.
Sheet No.
Sheet No.
Sheet No.
Sheet No.
Sheet No.
Sheet No.
Sheet No.
Sheet No. 8-8.19 Cross Sections

TOTAL SHEETS = 51



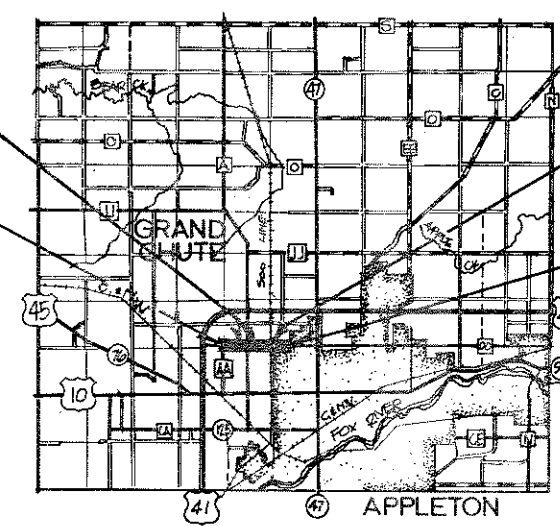
Design Designation

A. D. T. (1976) = 10,600
A. D. T. (1996) = 14,750
D. H. V. (1996) = 1,625
D. = 55-45%
T. = 3.5%
V. = 50 M.P.H.

EXCEPTION NET E LENGTH
STA. 23+54.7 TO STA. 30+54.7
= STA. 6+50 TO STA. 14+35 OF PROJ. M120(001)

BEGIN PROJECT 4984-0-33,35
STA. 0+00
N = 169,400 (±200')
E = 2,404,400 (±200')
T. 21N. - R. 17 E.
38.5' NORTH & 41.25' WEST OF THE
SOUTHEAST CORNER OF SECTION 17.
= STA. 428+45 OF PROJ. F.A.P. 582G(2)

T. 21 N.



STRUCTURE B-44-465
STA. 53+67.83-54+97.67,
PROJECT 4984-0-34

END PROJECT 4984-0-33,35
STA. 80+64
N = 169,200 (±200')
E = 2,412,450 (±200')
T. 21N. - R. 17 E.
48.9' SOUTH & 50' WEST OF THE N. 1/4
CORNER OF SECTION 22.
= STA. 509+09 OF PROJ. F.A.P. 582G(2)

R. 17 E.

Layout
Scale: 1" = 2 Mi.

NET LENGTH OF CENTERLINE PROJECT 4984-0-33,35 = 1.370 MI.
NET LENGTH OF CENTERLINE PROJECT 4984-0-34 = 0.025 MI.
TOTAL NET LENGTH OF CENTERLINE = 1.395 MI.

Conventional Signs

State Line	-----	Culverts in Place	-----
County Line	-----	Culverts Required	-----
Township or Range Line	-----	Drop Inlet	-----
Section Line	-----	Power Pole	-----
New Right of Way Line	-----	Telephone or Telegraph Pole	-----
Present Right of Way Line	-----	Right of Way Markers	-----
Wire Fence Woven	-----	Reference Stake for Hubs Only	-----
Wire Fence Barbed	-----	Marsh	-----
Lot Line	-----	Hedge	-----
Corporate or City Limits	-----	Trees	-----
Property Line	-----	Ground Elevation	-----
Traveled Way or P.E.	-----	Grade Elevation	-----
Railroads	-----		
Base or Survey Line	-----		

RECEIVED

MAY 25 1976

OUTAGAMIE COUNTY
HIGHWAY COMMISSION

APPROVED FOR
OUTAGAMIE COUNTY

DATE COUNTY HWY. COMM'R

THESE PLANS PREPARED
BY
BARRIENTOS & ASSOCIATES, INC.
CONSULTING ENGINEERS
MADISON, WISCONSIN

WISCONSIN
ROBERT A. SINDELAR
E-14538
MADISON, WIS.
PROFESSIONAL ENGINEER

HIGHWAY
Rt. 21 N. & 17 E.
2-26-76

WIS. REG.

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Surveyor _____ District Checker H.A.T.
Designer _____ C.O. Checker R.A.H.

Correct:

Date 3/23/76 C. D. Ryan District Engineer

Recommended for Approval:

Date 4/15/76 D. A. Strand Chief of Facilities Development

Approved:

Date 4/16/76 H. J. Jundt State Highway Engineer

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
REGION 5 WISCONSIN DIVISION

Approved:

Date _____ Division Engineer

ALL COORDINATES SHOWN ON THIS PLAN ARE REFERENCED
TO THE WISCONSIN COORDINATE SYSTEM, CENTRAL ZONE B.
SCALED FROM APPLETON QUADRANGLE FOR IDENTIFICATION
ONLY.

C-31

ESTIMATE OF QUANTITIES

CONTRACT NO. 1
(4984-0-33)
GRADING, SHAPING, & COMPACTING (BASE)
PLACING (BITUMINOUS CONCRETE PAVEMENT)
CONTRACT NO. 2
(4984-0-34)
STRUCTURE B-44-465
CONTRACT NO. 3 (4984-0-35)
PRODUCING & HAULING (BASE)
PRODUCING & HAULING SURFACE
(BITUMINOUS CONCRETE PAVEMENT)

STATE PROJECT NUMBER	SHEET N
4984-0-33,34,35	3

CONTRACT NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING	GRUBBING	REMOVING SURFACE DRAINS	REMOVING INLETS	UNCLASSIFIED EXCAVATION	BORROW EXCAVATION	FINISHING ROADWAY PROJECT 4984-0-33	CRUSHED AGGREGATE BASE COURSE	PRODUCING & HAULING CRUSHED AGGREGATE BASE COURSE	SHAPING & COMPACTING CRUSHED AGGREGATE BASE COURSE	PRODUCING & HAULING BITUMINOUS CONCRETE PAVEMENT	PLACING BITUMINOUS CONCRETE PAVEMENT	BITUMINOUS MATERIAL FOR SURFACE COURSE	CULVERT PIPE, CLASS III			APRON ENDWALLS FOR CULVERT PIPE			RIPRAP	INLETS, TYPE I	INLET COVERS, TYPE A	ADJUSTING MANHOLE COVERS
																18-INCH	30-INCH	36-INCH	18-INCH	30-INCH	36-INCH				
	ITEM NO. UNIT	LIN. FT.	20102 IN. DIAM.	20105 IN. DIAM.	20409 EACH	20416 EACH	20503 CU. YD.	20601 CU. YD.	21302 L.S.	30404 TON	90001 TON	90001 TON	90002 TON	90002 TON	40702 TON	52003 LIN. FT.	52007 LIN. FT.	52009 LIN. FT.	52061 EACH	52065 EACH	52067 EACH	60601 C.Y.	61121 EACH	61161 EACH	61182 EACH
1	0+00-25+57:30+54.1-52+67.83 54+97.67 +80+64.0	7,234.16	1296	1296	1		16,528	35,881	1			30,800		6930		208	40	10	12	2	1				8
3	0+00-25+54.7:30+54.1-52+67.83 54+97.67 -80+64.0	7,234.16									30,800		6930		408										
2	STRUCTURE B-44-465 50+55+67.83 -54+97.67	129.84			2	4					80										4	4	4		
	TOTALS	7364.0	1296	1296	3	4	16,528	35,881	1		80	30,800	30,800	6930	6930	408	208	40	10	12	2	1	4	4	8

BRIDGES (STRUCTURES OVER 20 FT. SPAN)

CONTRACT NO.	PIPE UNDERDRAIN, UNPERFORATED 12-INCH	ANCHORAGES FOR STEEL PLATE BEAM GUARD	STEEL PLATE BEAM GUARD CLASS A	CONCRETE SURFACE DRAINS	MOBILIZATION PROJECT 4984-0-34	SALVAGED TOPSOIL	MULCHING	EROSION MAT	FERTILIZER	SEEDING	SODDING	FIELD OFFICE TYPE A	FIELD LABORATORY	METAL APRON ENDWALLS FOR CULVERT PIPE 12-INCH	REMOVING OLD BRIDGE, STA. 54+35.3	EXCAVATION FOR STRUCTURES B-465	CONCRETE BASE COURSE, 9 INCH	CONCRETE MASONRY	PRESTRESSED GIRDERS, SLAB TYPE, 21-INCH	HIGH STRENGTH BAR STEEL REINFORCEMENT	STRUCTURAL CARBON STEEL	BEARING PADS, ELASTOMER	TREATED TIMBER PILING, DELIVERED	TREATED TIMBER PILING, DRIVEN	TREATED TIMBER TEST PILING, STRUCTURE B-465	CAST-IN-PLACE CONCRETE PILING, DELIVERED & DRIVEN, 12-INCH
	61214 LIN. FT.	61406 EACH	61408 LIN. FT.	40934 CU. YD.	61911 L.S.	61505 SQ. YD.	61702 SQ. YD.	61802 SQ. YD.	62901 CWT.	63002 POUND	63101 SQ. YDS.	64201 L.S.	64210 L.S.	52145 EACH	20351 L.S.	20610 L.S.	30709 SQ. YD.	50701 CU. YD.	50326 LIN. FT.	50504 POUND	50601 POUND	50625 SQ. FT.	50816 LIN. FT.	50820 LIN. FT.	50830 L.S.	51031 LIN. FT.
1		4	3120			72,000	70,800	1,610	45	960	1,200															
2	312	4	3120	4.5	1							1	1	4	1	1	270	404	2925	69,520	900	503	900	900	1	1000
	312	4	3120	4.5	1	72,000	70,800	1,610	45	960	1,200	1	1	4	1	1	270	404	2925	69,520	900	503	900	900	1	1000

GENERAL NOTES

CERTAIN UNDERGROUND UTILITY STRUCTURES HAVE BEEN LOCATED ON THESE PLANS BUT THESE LOCATIONS SHALL NOT BE CONCLUSIVE. VERIFICATION AS TO THE LOCATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITY STRUCTURES WHETHER SHOWN ON THE PLANS OR NOT, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT.

THE EXACT LOCATION AND ELEVATION FOR DRIVEWAYS, CULVERT PIPES AND SIDE ROAD CONNECTIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

PRIVATE UTILITY COMPANIES SHALL ADJUST OR MOVE ALL PRIVATELY OWNED FACILITIES WHICH INTERFERE WITH THE NEW CONSTRUCTION.

EMBANKMENTS OF MORE THAN 10 FEET IN HEIGHT AND PLACED ON EXISTING SLOPES STEEPER THAN ONE VERTICAL TO THREE HORIZONTAL, SHALL BE CUT OR STEPPED INTO THE SLOPE.

BEARINGS SHOWN ON THIS PLAN ARE TRUE BEARINGS TO THE NEAREST MINUTE.

INLET AND DISCHARGE ELEVATIONS FOR DRAINAGE STRUCTURES SHOWN ARE APPROXIMATE AND SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

CUBIC YARDS OF FILL SHOWN ON THE PLAN SHEETS PERTAINS TO EMBANKMENTS CONSTRUCTED FROM UNCLASSIFIED AND BORROWED EXCAVATION. THE SHRINKAGE ALLOWANCE USED TO COMPUTE UNCLASSIFIED AND BORROWED WAS 25% - BASED ON THE VOLUME OF FILL.

WHEN THE QUANTITY OF BASE OR SURFACE COURSE IS MEASURED FOR PAYMENT BY TON THE DEPTH OR THICKNESS OF THE COURSE SHOWN ON PLANS IS APPROXIMATE AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER IN THE FIELD.

SALVAGED TOPSOIL SHALL BE PLACED AS SHOWN ON THE PLANS TO AN APPROXIMATE DEPTH OF 4 INCHES AT THE TIME OF PLACEMENT.

NO TREES ARE TO BE REMOVED WITHOUT THE APPROVAL OF THE ENGINEER.

DISTURBED AREAS WITHIN THE RIGHT-OF-WAY, EXCLUSIVE OF THE ROADBED, ARE TO BE FERTILIZED AND SEEDDED AS DIRECTED BY THE ENGINEER.

UTILITIES

WISCONSIN - MICHIGAN POWER COMPANY
800 SOUTH LYNNDAL AVE.
APPLETON, WISCONSIN 54911
MR. JEROME G. HERB, SUPERINTENDENT
GAS LINE CONSTRUCTION, TELE. 414-734-1411

MICHIGAN - WISCONSIN PIPELINE COMPANY
P.O. BOX 398 BONDUEL, WISCONSIN 54107
MR. W. J. WELLER, SECTION SUPERINTENDENT
TELE. 715-758-2131

WISCONSIN TELEPHONE COMPANY
KENNETH ZULEGER 734-0300
221 W. WASHINGTON ST.
APPLETON, WIS.

CITY OF APPLETON WATER DEPT.
RUSS FULLER 733-2311
125 N. WALNUT ST.
APPLETON, WIS.

CITY OF APPLETON DEPT. OF PUBLIC WORKS
BOB MILLER 734-4556
225 N. ONEIDA ST.
APPLETON, WIS.

BUTTE DES MORTS UTILITY DISTRICT
DOUG HONTON 731-6319
3111 W. PROSPECT AVE.
APPLETON, WIS.

STANDARD DETAIL DRAWINGS

CATCH BASIN, MANHOLE & INLET COVERS
INLETS TYPE 1 & 2
CONCRETE CURB, GUTTER, COMBINATION
CURB & GUTTER
SURFACE DRAIN DROP INLET TYPE
RIPRAP AT SIDE ROAD CULVERTS & RIPRAP
OR SOD @ PRIVATE ENTRANCE CULVERTS
SOD OR MASONRY AND SOD DITCH CHECKS
EROSION MAT
APRON ENDWALLS FOR CULVERT PIPE &
PIPE ARCH
LAYOUT DETAILS FOR AT-GRADE SIDE
ROAD INTERSECTIONS
NAME PLATE (STRUCTURES)
CLASS "A" STEEL PLATE BEAM GUARD
& STEEL PLATE BEAM MEDIAN GUARD
CONSTRUCTION BARRICADES & STANDARD SIGNS
CONCRETE PAVEMENT REINFORCEMENT

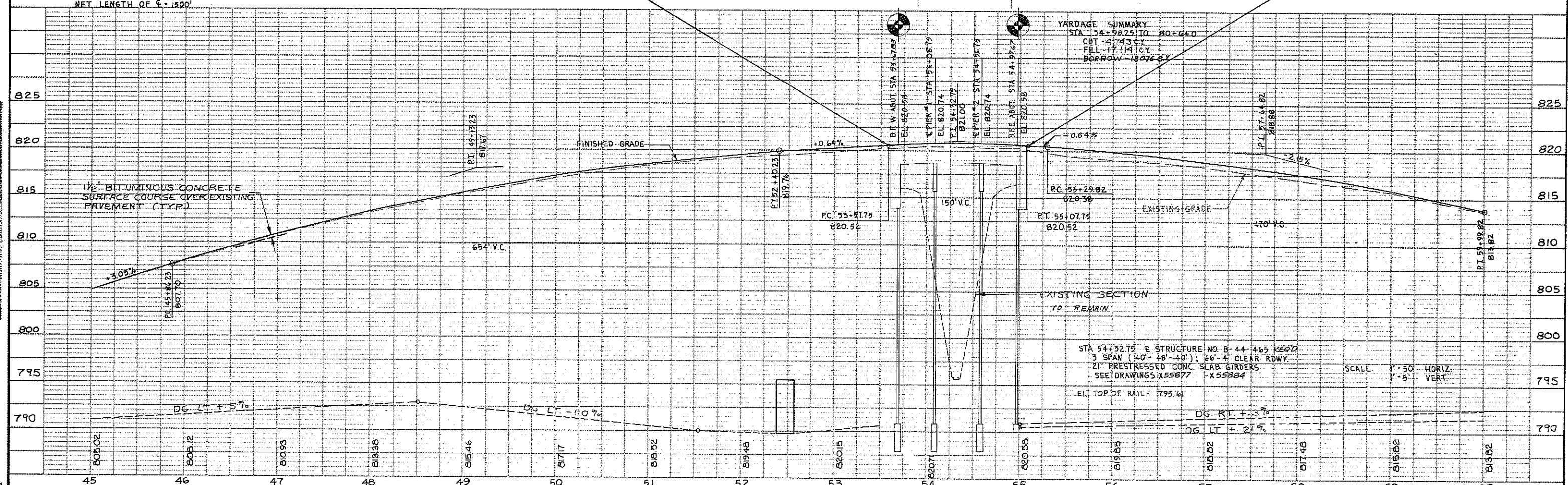
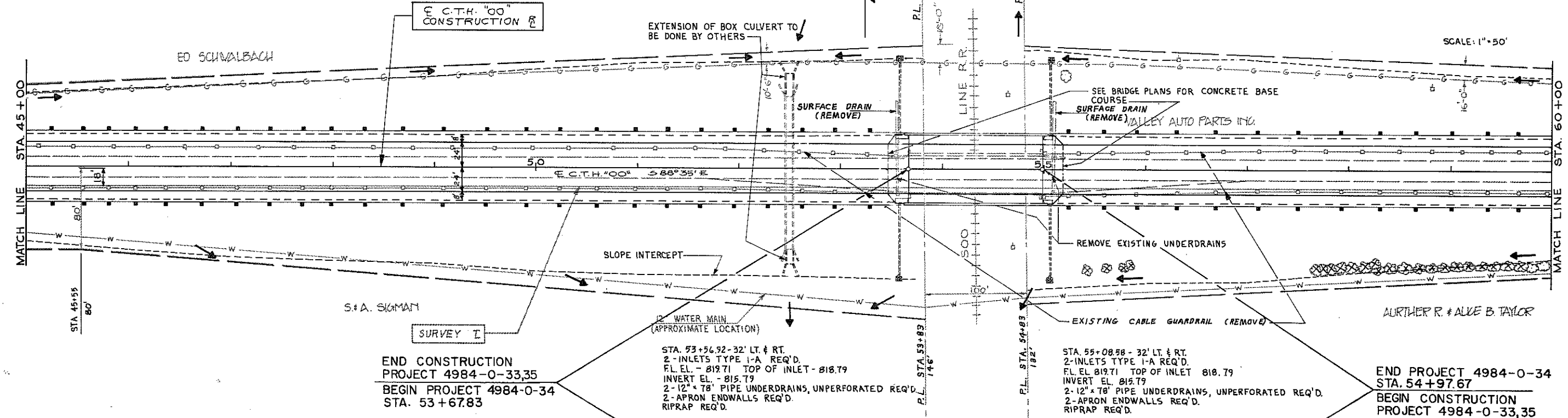
ON THE JOB TRAINING	CONCRETE CURB TYPE-D	CORRUGATED METAL PIPE ARCH 57" X 38" INCH	METAL APRON ENDWALLS FOR PIPE ARCH 57" X 38" INCH
8A5-2			
8C1-3			
8D1-2			
8D3-1			
8E2-1			
8E4-2			
8E7-1			
8F1-6			
9A1-2			
12A3-1			
14B2-3a,b			
15C1-4			
13A1-2			
	1,000	20	
	1,000	20	28
			2

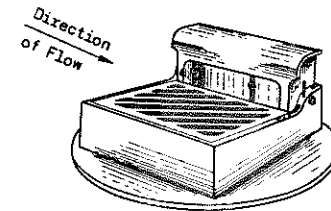
STATE PROJECT NUMBER	SHEET NO.
4984-0-33,34,35	5.3

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
2	53+68	"X" IN SW CORNER OF BRIDGE GUARD RAIL. 31' RT	821.00
3	54+32	CENTER BOLT IN SOUTH END OF WOODEN PLATFORM WITH CHISELED AROUND IT. 92' LT.	795.35

NOTE: FROM STA. 48+50 TO 53+50, SEE CROSS-SECTIONS FOR ACTUAL DITCH LOCATION.

NOTE: BEARINGS SHOWN ARE TRUE BEARINGS TO THE NEAREST MINUTE.



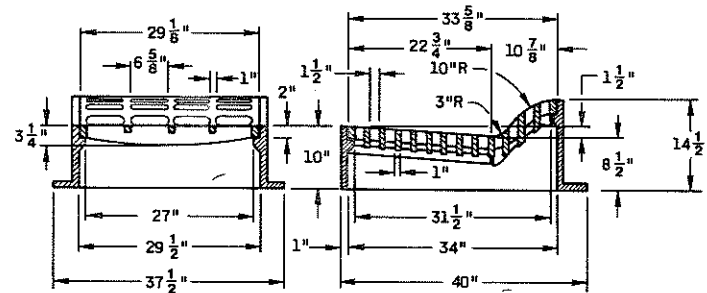
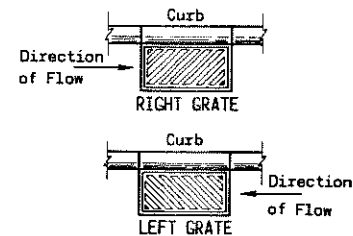


A perspective drawing of a rectangular block with a curved, semi-circular base. The top surface of the block is divided into a grid of small squares, resembling a keyboard or a control panel. The block is shown from a slightly elevated angle, highlighting its three-dimensional form.

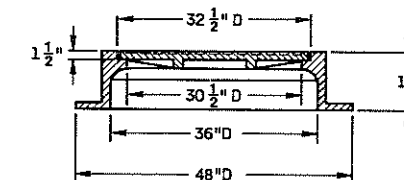
Diagram showing a cross-section of a bolted joint. The dimensions are as follows:

- Top flange thickness: $1\frac{1}{2}''$
- Top flange outer diameter: $23'' \text{D}$
- Top flange inner diameter (hole): $1\frac{1}{4}''$
- Inner diameter of the main body: $20\frac{1}{2}'' \text{D}$
- Main body outer diameter: $25\frac{1}{2}'' \text{D}$
- Base flange outer diameter: $36'' \text{D}$

Diagonal Slots shall be oriented to the direction of flow as shown hereon. Hence RIGHT and LEFT Grates shall be furnished depending on direction of flow. (See Sketch Below)



* CAUTION: DO NOT USE GRATES WITH LONGITUDINAL SLOTS WHERE BICYCLE TRAFFIC IS PERMITTED.



(Approximate Weight 785 lbs.)

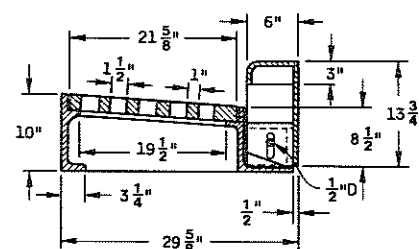
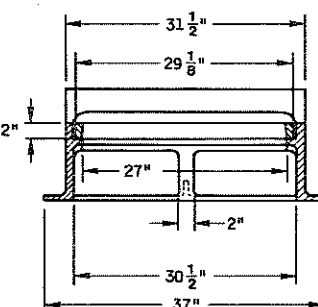
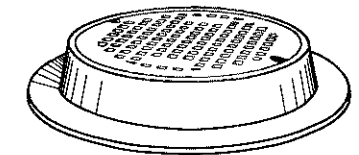
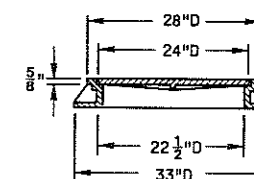


Diagram of a beam with a uniformly distributed load of 2 k/ft over a 34 ft span. A reaction of 2 k is shown at the right end.

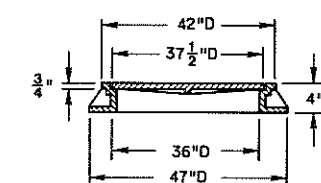
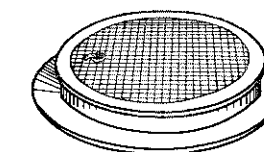
Figure 6 shows a detail view of the top edge of the wall panel. It illustrates the arrangement of vertical reinforcement bars (labeled A) and their spacing relative to the panel's width. The total width is 34 inches. The distance from the left face to the first bar is 1 15/16 inches. The spacing between the four bars is 2 inches, 1 7/8 inches, and 1 15/16 inches respectively. The distance from the last bar to the right face is 3 inches.

(Approximate Grate Weight 285 lbs.)

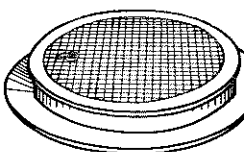
The actual weight of covers may vary within 5 percent, plus or minus, of the approximate weight.



(Approximate Weight 220 lbs.)



(Approximate Weight 535 lbs.)



12-3-75

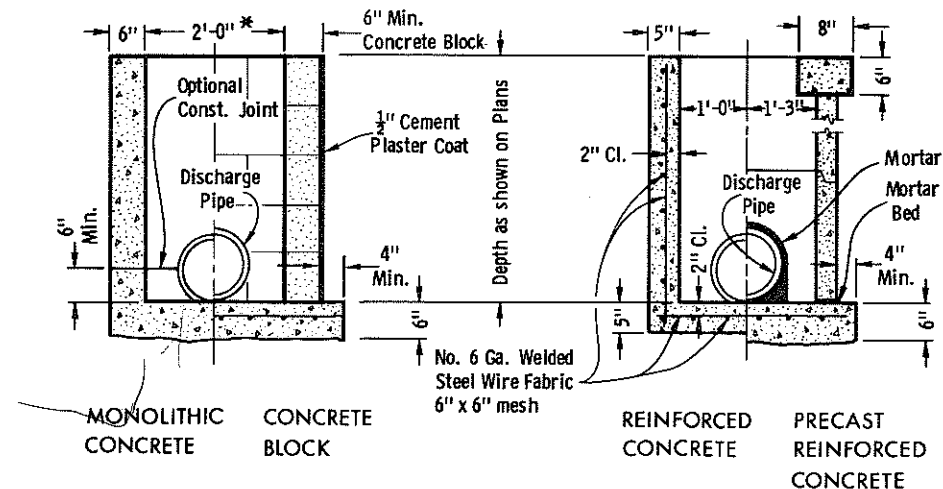
DATE _____

APPROVED
12-9-75
DATE

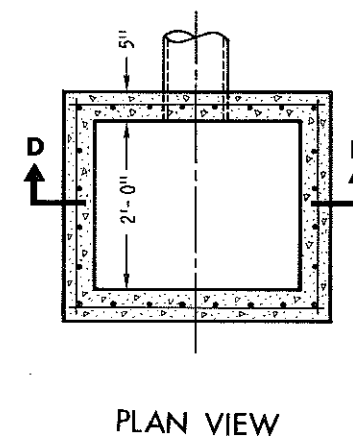
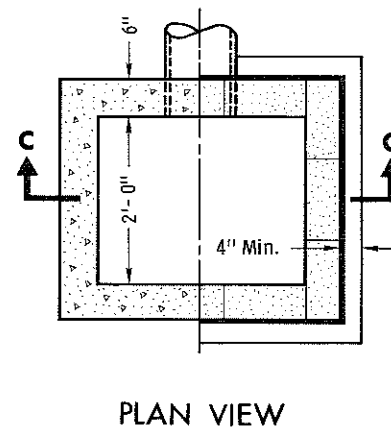
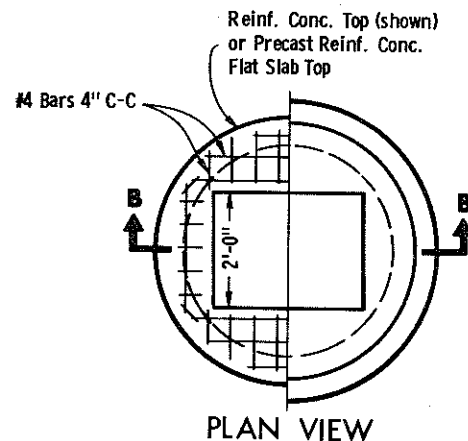
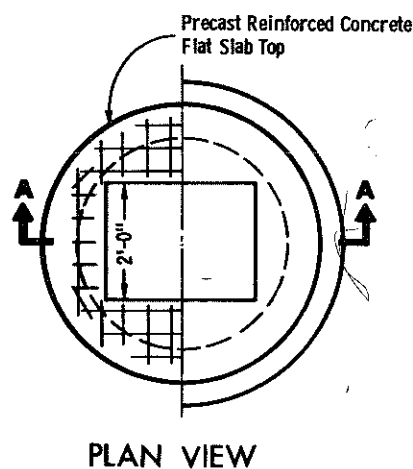
J. C. Herrial
CHIEF OF FACILITIES DEVELOPMENT

H. S. Siedler
STATE HIGHWAY ENGINEER

* Selection of Square or Circular Design will be based on the pipe sizes and the Inlet Cover being utilized.



INLETS TYPE 1



GENERAL NOTES

Details of construction, materials and workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Detailed drawings for proposed alternate designs for underground drainage structures shall be submitted to the Engineer for approval providing that such alternate designs make provision for equivalent capacity and strength.

Square Precast Inlet units shall conform to the pertinent requirements of AASHTO Designation M 199.

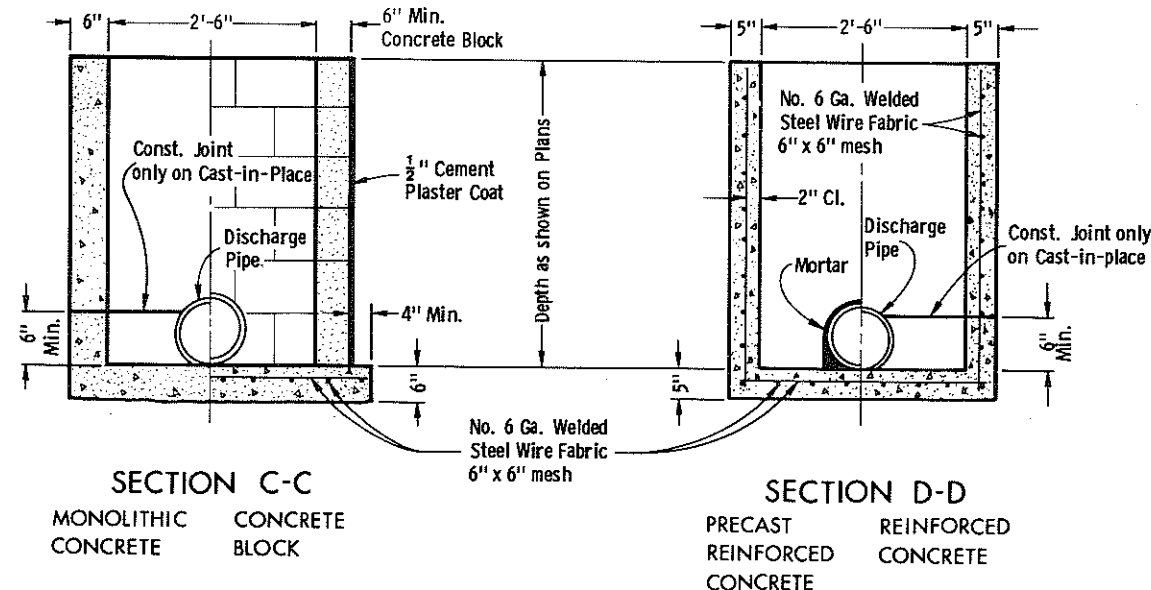
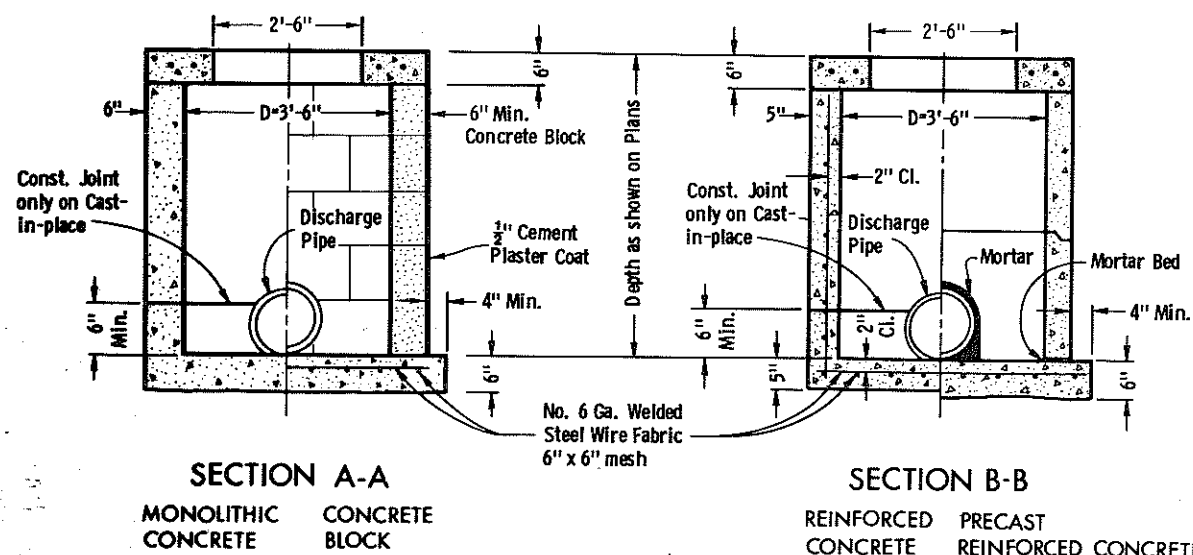
All drainage structures are designated on the plans as "Manholes 1 - C", "Catch Basins 1 - B", "Inlets 1 - H", etc. The first digit designates the masonry portion of the structure, and the following letter designates the type of cover to be used to comprise the complete unit.

Precast Reinforced Bases shall be placed on a bed of material at least 6 inches in depth, which meets the requirements for Granular Backfill. This bedding shall be compacted and provide uniform support for the entire area of the base.

Precast Reinforced Concrete Flat Slab Tops may be used on the structures. The Tops shall be installed on a bed of mortar.

All bar steel reinforced reinforcement shall be embedded 2 inches clear unless otherwise shown or noted.

Precast Reinforced Concrete Risers may be placed with tongue up or down.



INLETS TYPE 2

INLETS TYPE 1 & 2

State of Wisconsin
Department of Transportation
Division of Highways

RECOMMENDED FOR APPROVAL:

10-16-75

DATE

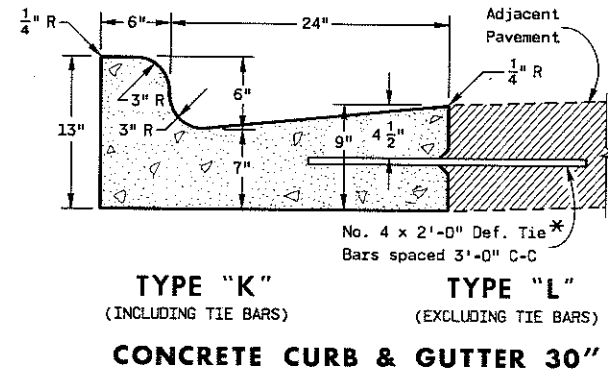
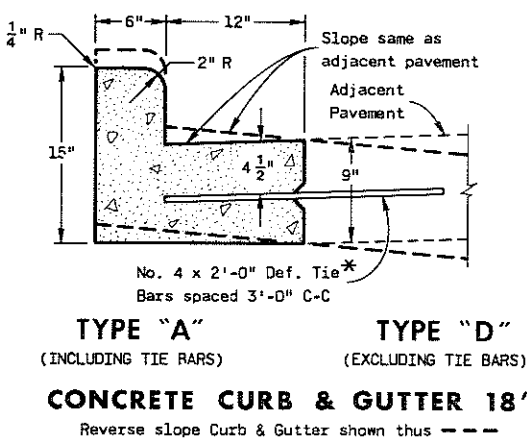
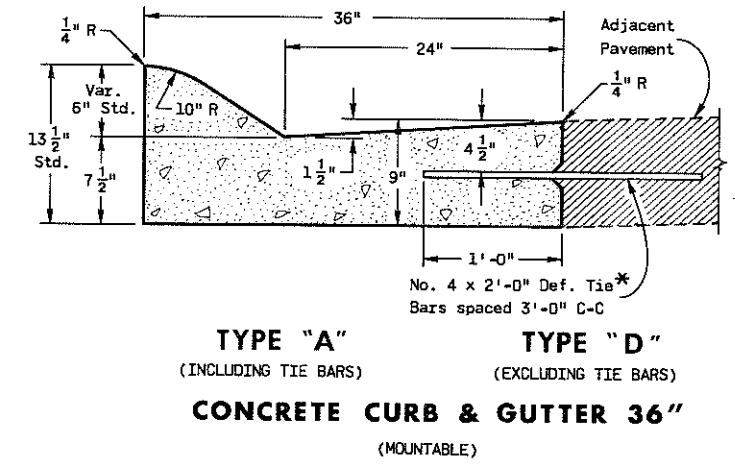
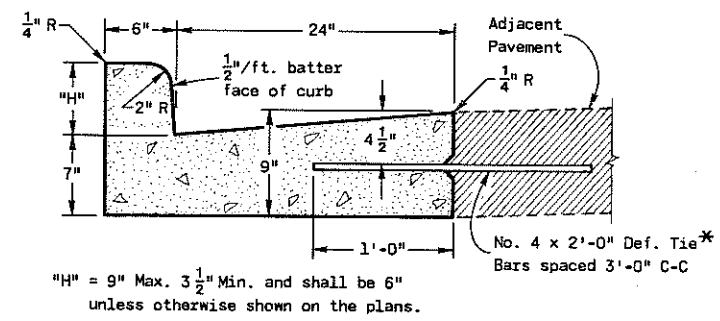
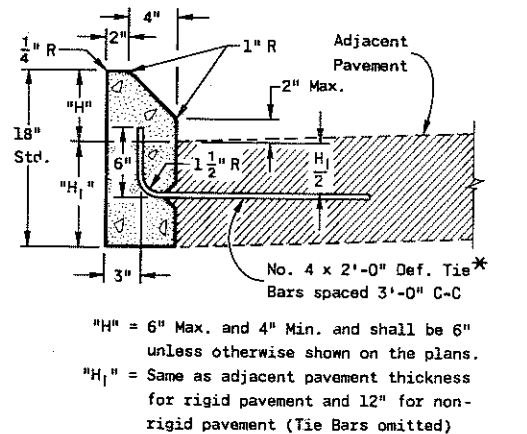
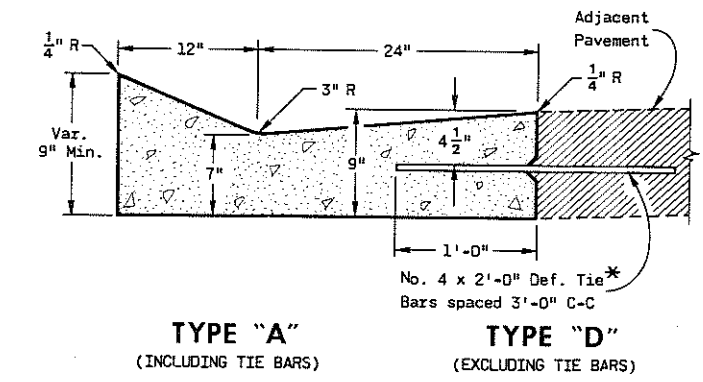
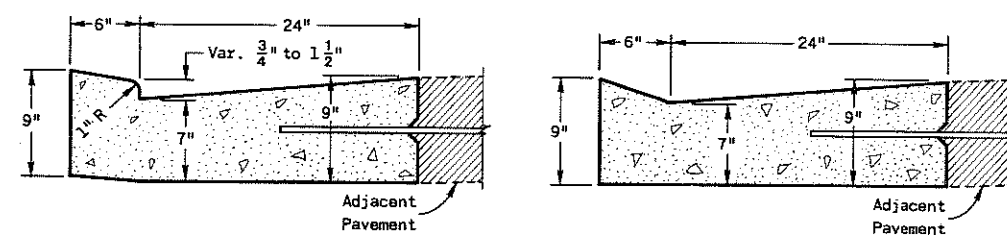
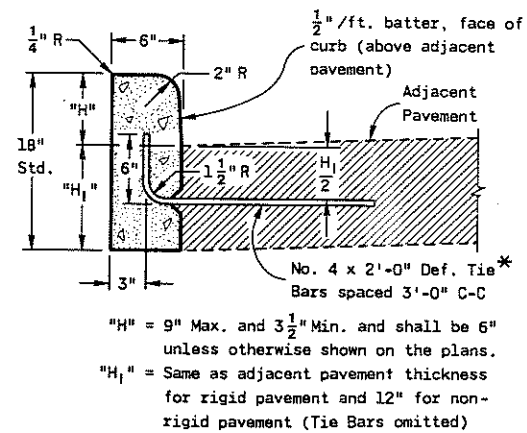
APPROVED

10-16-75

DATE

J. C. Daniel
CHIEF OF FACILITIES DEVELOPMENT

W. J. Sinden
STATE HIGHWAY ENGINEER



GENERAL NOTES

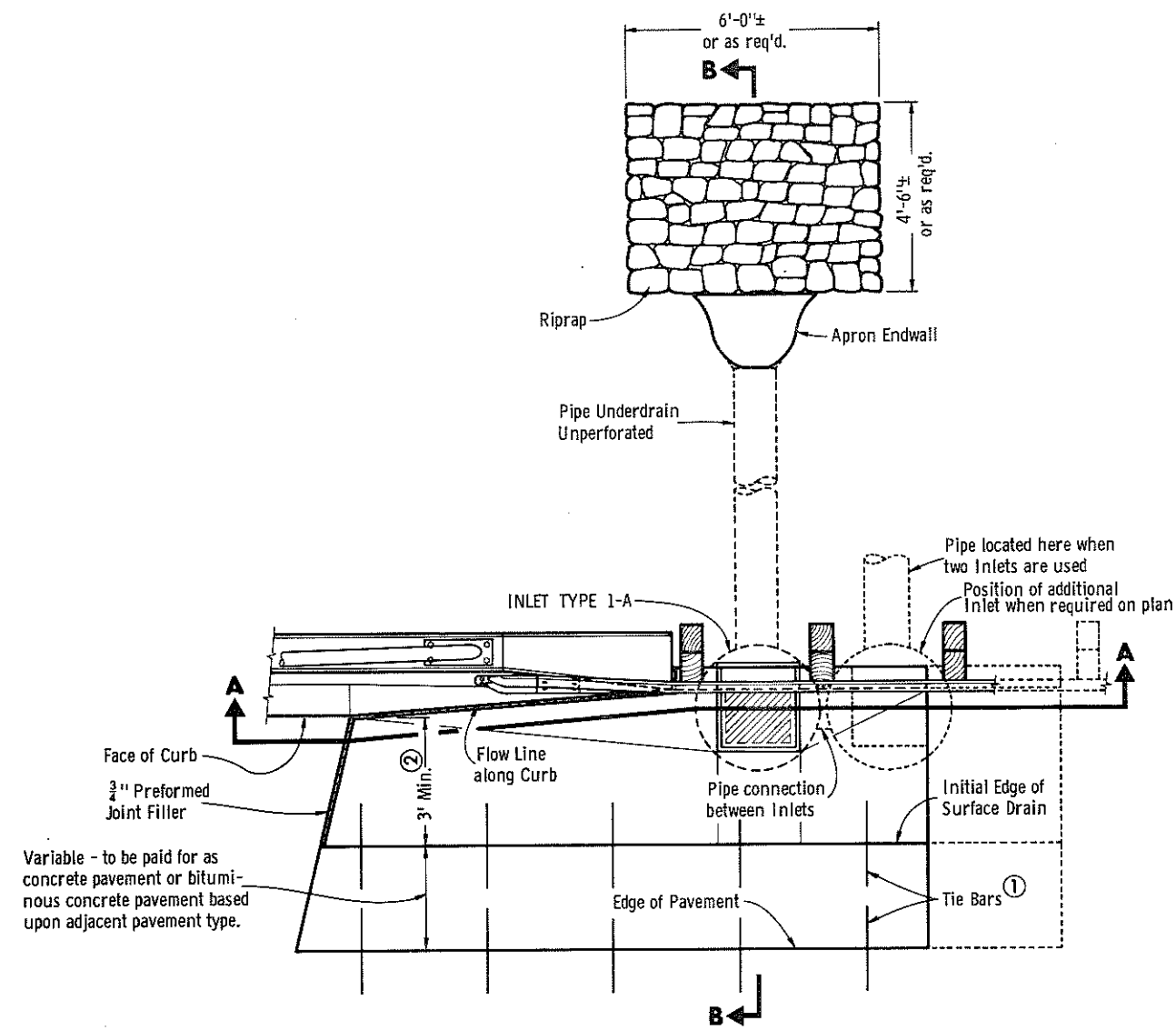
Details of construction, materials and workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Detailed drawings for proposed alternate designs for Curb, Gutter and Combination Curb and Gutter shall be submitted to the Engineer for approval providing that such alternate designs make provision for equivalent capacity and strength.

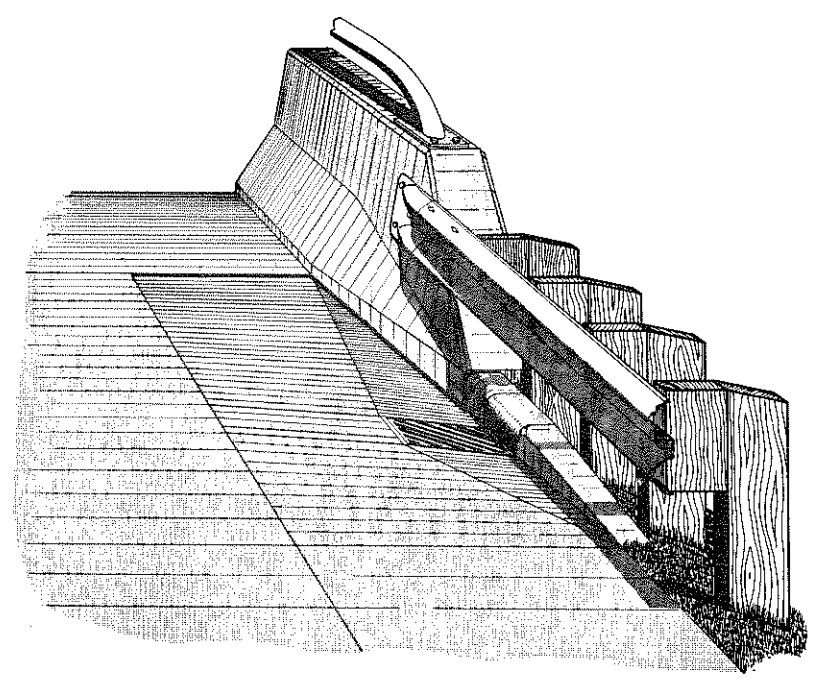
Joints shall not be sealed in Concrete Curb, or Concrete Curb & Gutter.

* Where Curb and Gutter are poured adjacent to existing pavement, the Hook Bolt may be used as for "Longitudinal Joints - Concrete Pavement".

CONCRETE CURB, GUTTER, COMBINATION CURB & GUTTER	
State of Wisconsin Department of Transportation Division of Highways	
RECOMMENDED FOR APPROVAL: DATE 9-12-73	APPROVED: DATE 9-19-73
 CHIEF OF FACILITIES DEVELOPMENT STATE HIGHWAY ENGINEER	

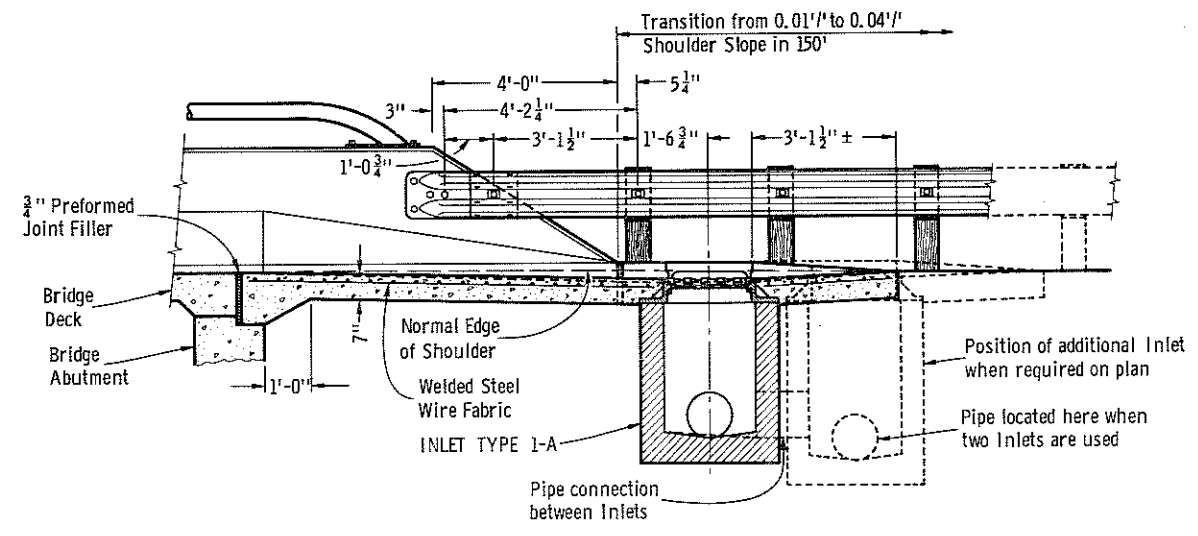


PLAN VIEW

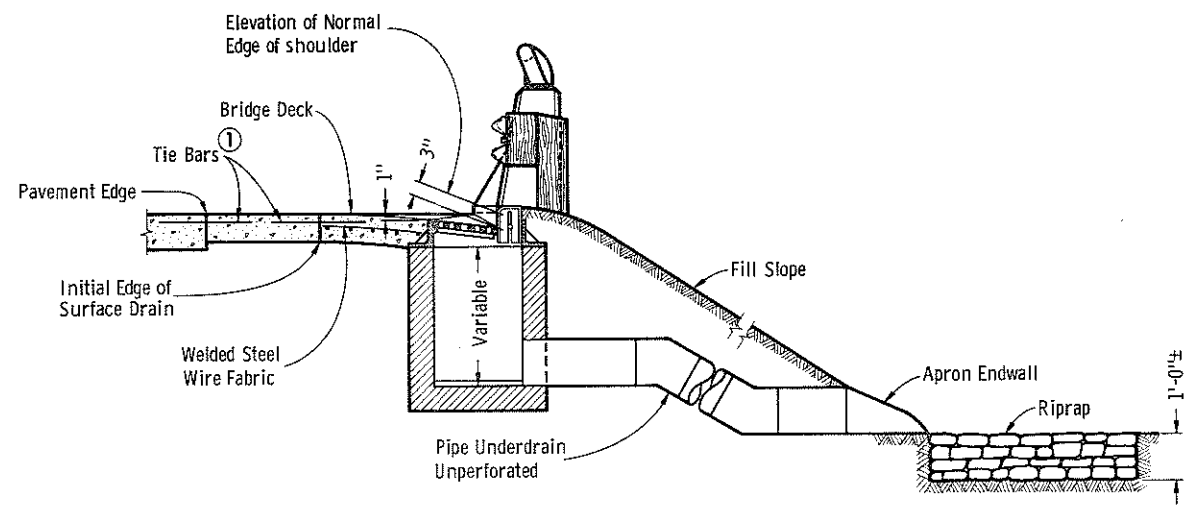


TYPICAL INSTALLATION

- ① Tie Bars
4 x 2'-0" tie bars spaced at 3'-0" centers to be used only when adjacent to P. C. concrete
- ② Based on drainage requirements



SECTION A-A



SECTION B-B

GENERAL NOTES

Details of construction, materials and workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Detailed drawings for proposed alternate designs for Surface Drains shall be submitted to the Engineer for approval providing that such alternate designs make provision for equivalent capacity and strength.

See Standard Detail Drawing "INLETS TYPE 1" for construction details of Inlet.

See Standard Detail Drawing "Class "A" STEEL PLATE BEAM GUARD & STEEL PLATE BEAM MEDIAN GUARD" for construction and layout details not shown on this sheet.

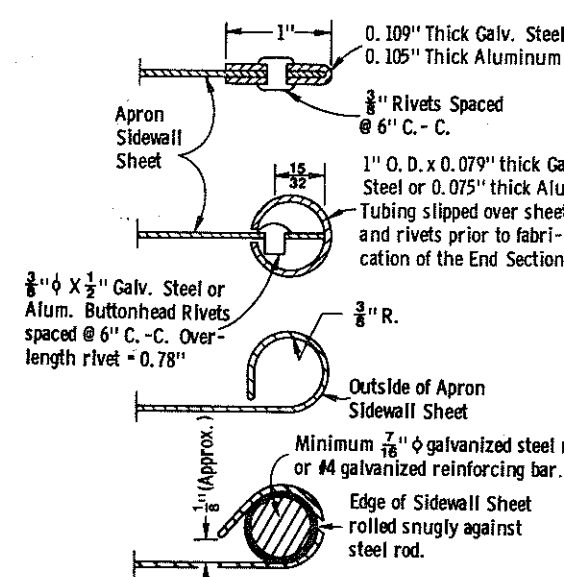
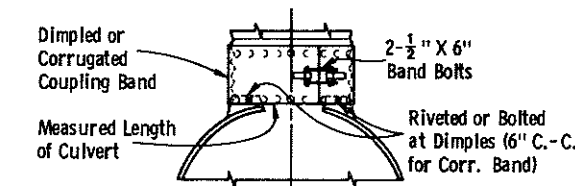
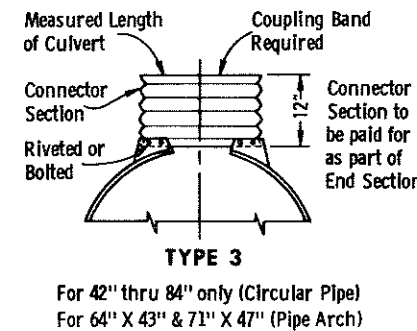
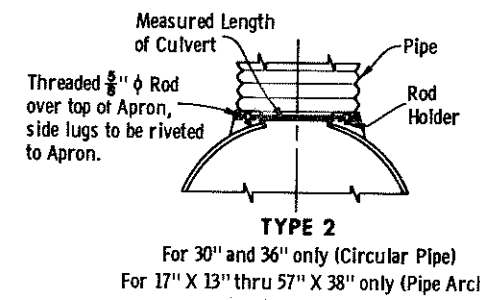
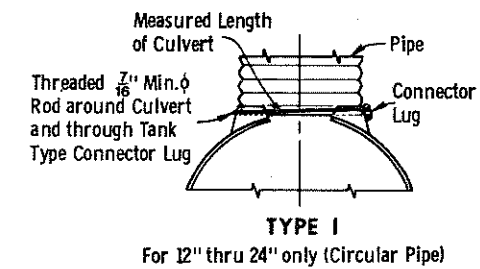
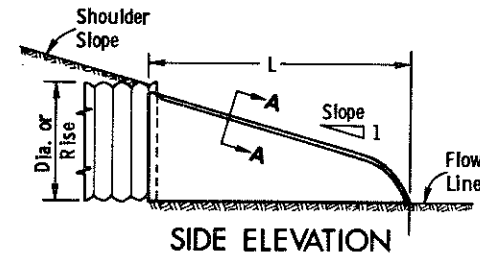
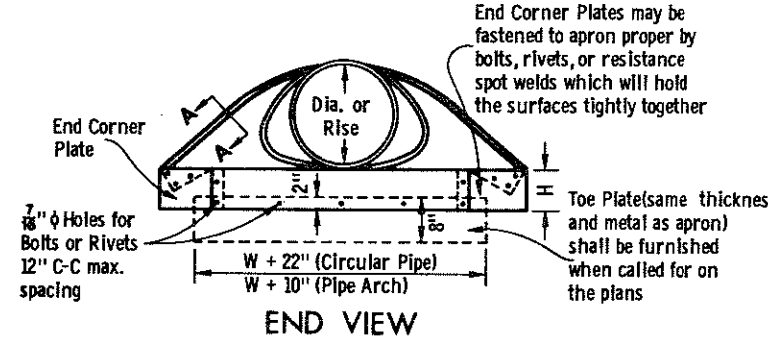
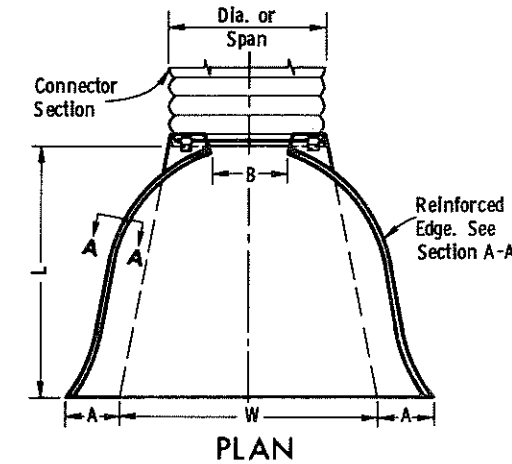
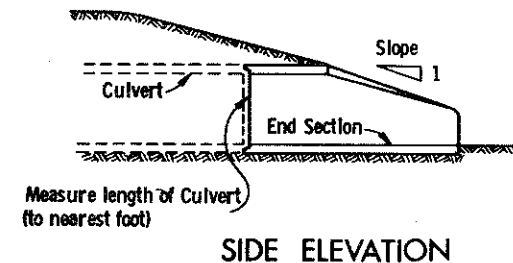
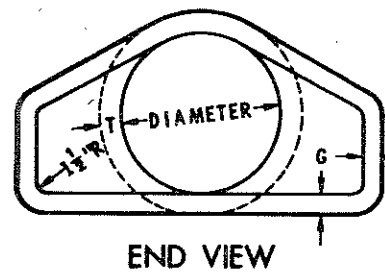
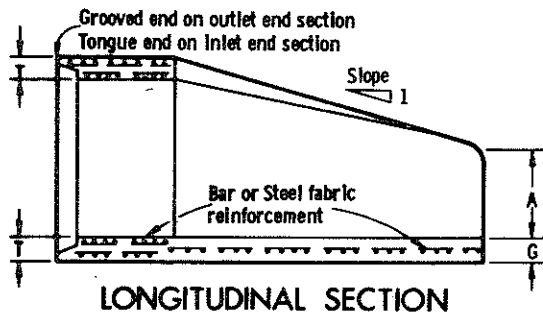
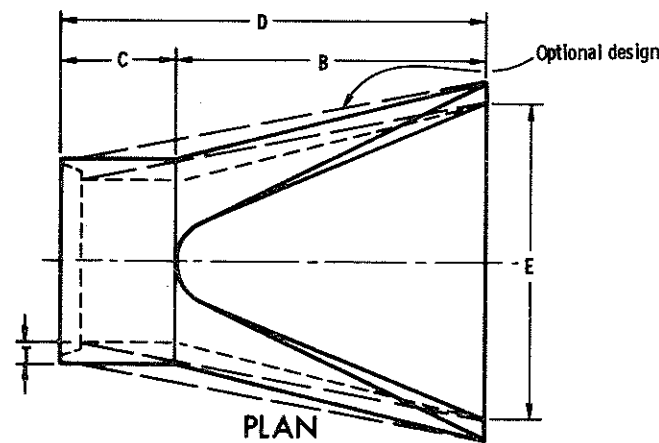
REINFORCEMENT

Welded Steel Wire Fabric shall conform to the Standard Specifications for Welded Steel Wire Fabric for concrete pavement.

BASIS OF PAYMENT

The curb and initial portion of the Concrete Surface Drain shall be paid for as provided in the Standard Specifications for Concrete Surface Drains. The Unperforated Pipe Underdrain, Metal Apron Endwall, Inlet, Inlet Cover and Riprap shall be paid for under the pertinent Contract items.

SURFACE DRAIN DROP INLET TYPE	
State of Wisconsin Department of Transportation Division of Highways	
RECOMMENDED FOR APPROVAL:	<i>H. C. Herried</i> ACTING CHIEF DESIGN ENGINEER
DATE 5/13/71	
APPROVED:	<i>H. J. Darmieter</i> STATE HIGHWAY ENGINEER
DATE 5/13/71	



SECTION A-A

GENERAL NOTES

Details of construction, materials, and workmanship not shown on this drawing shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Variations of the dimensions and designs shown hereon will be permitted providing equivalent capacity and structural integrity are attained, and prior approval of the Engineer is obtained.

Concrete culvert endwalls may not be used with galvanized steel or aluminum culvert pipe or vice versa.

Galvanized steel or aluminum endwalls shall normally be installed on culvert pipe of the same metal. The use of galvanized steel endwalls on aluminum pipes is permitted, provided the two metals at the joint interface are kept separated by a suitable insulating material approximately 1/8" thick or greater. Such material would be an asphalt impregnated fabric, a sheet plastic, a rubber gasket or other nondegradable material of substantial strength.

When two or more pipe arches with apron endwalls are to be laid adjacent to each other, they shall be separated by the following amount.

Pipes: Total width of apron endwall less the diameter of pipe plus six inches.

Pipe Arches: Total width of apron endwall less the span dimension of the pipe arch plus six inches.

DIA.	APPROX. WEIGHT/SECTION	T	A	B	C	D	E	G	APPROX. SLOPE
12"	530	2"	4"	24"	48 7/8"	72 7/8"	24"	2"	3 to 1
15"	740	2 1/4"	6"	27"	46"	73"	30"	2 1/4"	
18"	990	2 1/2"	9"	27"	46"	73"	36"	2 1/2"	
21"	1,280	2 3/4"	9"	36"	37 1/2"	73 1/2"	42"	2 3/4"	
24"	1,520	3"	9 1/2"	43 1/2"	30"	73 1/2"	48"	3"	
27"	1,930	3 1/4"	10 1/2"	49 1/2"	24"	73 1/2"	54"	3 1/4"	
30"	2,190	3 1/2"	12"	54"	19 3/4"	73 3/4"	60"	3 1/2"	
36"	4,100	4"	15"	63"	34 3/4"	97 3/4"	72"	4"	
42"	5,380	4 1/2"	21"	63"	35"	98"	78"	4 1/2"	
48"	6,550	5"	24"	72"	26"	98"	84"	5"	3 to 1
54"	8,040	5 1/2"	27"	65"	33 1/4" - 35"	98 1/4" - 100"	90"	5"	2 3/8 to 1
60"	8,730	6"	30"	60"	39"	99"	96"	5"	2 to 1
66"	10,630	6 1/2"	30"	72"	21" - 27"	102"	102"	5 1/2"	
72"	12,520	7"	36"	78"	21"	108"	108"	6"	
78"	14,430	7 1/2"	36"	78"	21"	114"	114"	6 1/2"	2 to 1
84"	18,160	8"	36"	90 1/2"	21"	111 1/2"	120"	6 1/2"	1 1/2 to 1

** Minimum
* Maximum

REINFORCED CONCRETE APRON ENDWALLS

D	MIN. PIPE DIAM.	MIN. METAL THICKNESS	MIN. ALUM. THICKNESS	DIMENSIONS					APPROX. SLOPE
				A	B	H	L	W	
12"	0.064	0.060		6"	6"	6"	21"	24"	2 1/2 to 1
15"				7"	8"		26"	30"	
18"				8"	10"		31"	36"	
21"		0.060		9"	12"		36"	42"	
24"	0.064	0.075		10"	13"	6"	41"	48"	
30"	0.079	0.075		12"	16"	8"	51"	60"	
36"	0.079	0.105		14"	19"	9"	60"	72"	
42"	0.109			16"	22"	11"	69"	84"	2 1/2 to 1
48"				18"	27"	12"	78"	90"	2 1/4 to 1
54"		0.105		30"			84"	102"	2 to 1
60"		NA		33"			87"	114"	1 3/4 to 1
66"				36"			87"	120"	1 1/2 to 1
72"				39"			87"	126"	1 1/3 to 1
78"				42"			87"	132"	1 1/4 to 1
84"	0.109	NA		45"	12"		87"	138"	1 1/8 to 1

NOTE: All splices to be lap riveted or bolted

METAL OR ALUMINUM APRON ENDWALLS FOR CIRCULAR PIPES

PIPE — ARCH DIMENSIONS		MIN. METAL	DIMENSIONS					APPROX SLOPE
SPAN	RISE	THICK.	A ± 1"	B MAX.	H ± 1"	L ± 1½"	W ± 2"	
17"	13"	0.064	7"	9"	6"	19"	30"	2½ to 1
21"	15"	↑	7"	10"	↑	23"	36"	↑
24"	18"	↓	8"	12"	↑	28"	42"	↑
28"	20"	0.064	9"	14"	↓	32"	48"	↑
35"	24"	0.079	10"	16"	6"	39"	60"	↑
42"	29"	0.079	12"	18"	8"	46"	75"	↑
49"	33"	0.109	13"	21"	9"	53"	85"	↓
57"	38"	↑	18"	26"	12"	63"	90"	2½ to 1
64"	43"	↑	18"	30"	12"	70"	102"	2¼ to 1
71"	47"	↑	18"	33"	12"	77"	114"	2¼ to 1
77"	52"	↓	18"	36"	12"	77"	126"	2 to 1
83"	57"	0.109	18"	39"	12"	77"	138"	2 to 1

NOTE: All splices to be lap riveted or bolted

METAL APRON ENDWALLS FOR PIPE ARCHES

TYPE 5
Alternate for
All sizes Corrugated Circular Pipe and Pipe Arch

NOTE: Dimpled Band fits over Outside of Endwall, and Corr. Band fits Inside Endwall. Dimpled Band may be used with Helically Corrugated Pipe

CONNECTION DETAILS

CIRCULAR PIPE

For Circumferentially Corrugated Pipe use Endwall Connection Details 1, 2, 3, or 5 as applicable.

For Helically Corrugated Pipe use Endwall Connection Details 1, 2 or 5.

For Helically Corrugated Pipes with two Circumferential Corrugations at each end use Endwall Connection Details 1, 2, or 3

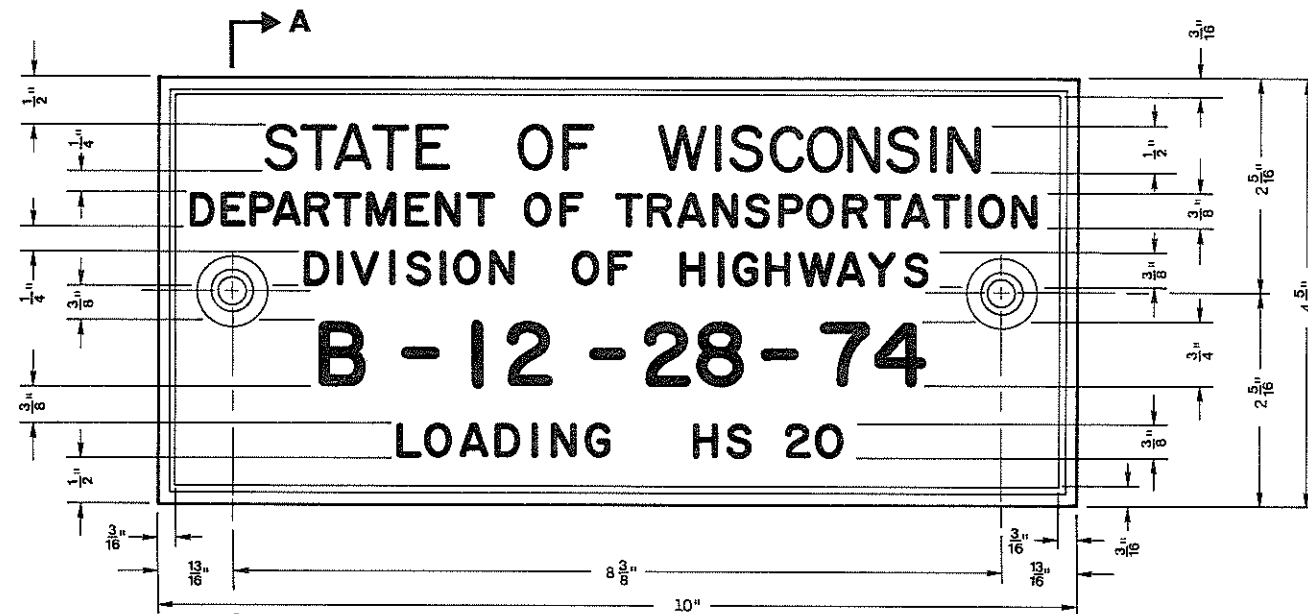
PIPE ARCH

Use Endwall Connection Details 2, 3, or 5 as applicable.

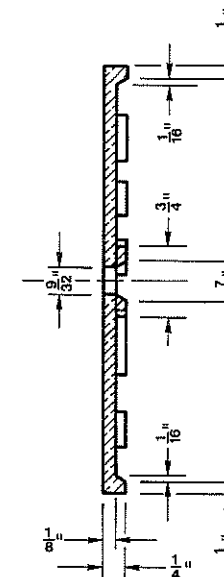
APRON ENDWALLS FOR CULVERT PIPE AND PIPE ARCH

State of Wisconsin
Department of Transportation
Division of Highways

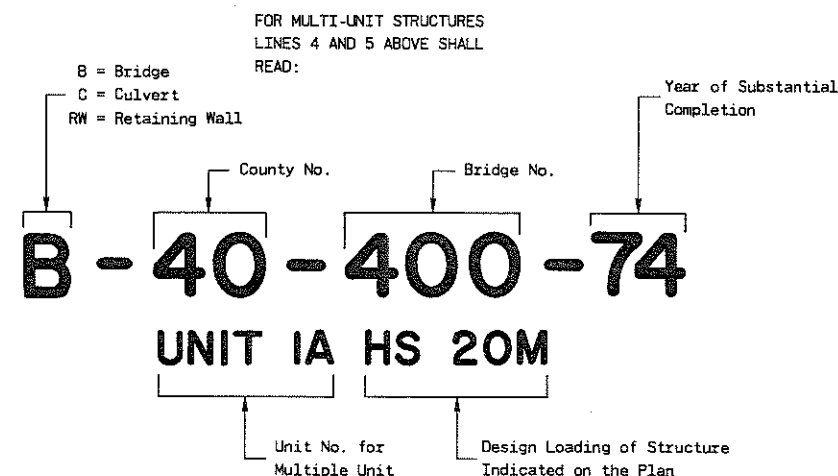
RECOMMENDED FOR APPROVAL:
7-29-75
DATE
APPROVED
7-29-75
DATE
CHIEF OF FACILITIES DEVELOPMENT
STATE HIGHWAY ENGINEER



TYPICAL NAME PLATE
(BRIDGES, CULVERTS, AND RETAINING WALLS)



SECTION A-A



**NUMBERING AND LOADING DESIGNATION
MULTI-UNIT STRUCTURES**

GENERAL NOTES

Name Plates to be installed on Bridges, Culverts, and Retaining Walls shall conform to the requirements of Section 506.2.4 of the Standard Specifications.

The Bridge Number and Design Loading shown on this drawing are examples only. See Construction Plans for individual numbering and design loading.

**NAME PLATE
(STRUCTURES)**

State of Wisconsin
Department of Transportation
Division of Highways

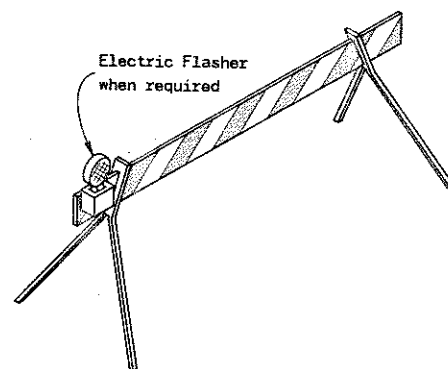
RECOMMENDED FOR APPROVAL:
4-16-74
DATE
CHIEF OF FACILITIES DEVELOPMENT

APPROVED
4-16-74
DATE
STATE HIGHWAY ENGINEER

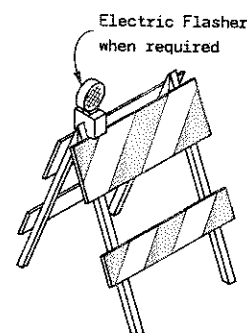
TABLE OF BARRICADE CHARACTERISTICS

BARRICADE TYPE	I	II	III
Height	3'(91.4 cm) Min.		5'(152.4 cm) Min.
* Rail Width	8"(20.3 cm) Min. to 12"(30.5 cm) Max.		
Rail Length	2'(61.0 cm) Min. to Variable Maximum		
** Stripe Width	6" (15.2 cm) at 45° Angle		
Stripe Colors	Reflectorized Orange & White		

* Nominal dimensions when barricade is constructed of lumber.
 ** May be 4"(10.2 cm) for rail lengths less than 3'(91.4 cm).



TYPICAL TYPE I BARRICADE

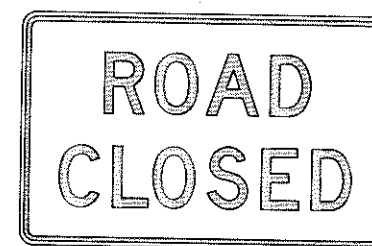


TYPICAL TYPE II BARRICADE



W20-3

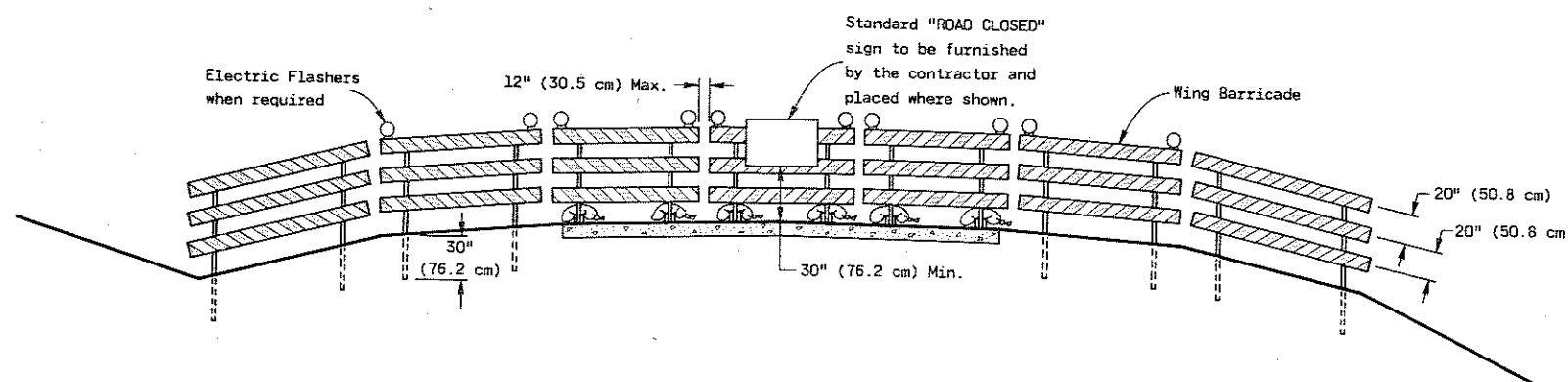
48"(121.9 cm) x 48"(121.9 cm)
 Black Lettering on Reflective
 Orange Background
 Letter Series "D"
 Letter height 7" (17.8 cm)



R11-2

48"(121.9 cm) x 30"(76.2 cm)
 Black Lettering on Reflective
 White Background
 Letter Series "D"
 Letter height 8" (20.3 cm)

STANDARD SIGNS-TYPE II



TYPICAL INSTALLATION SHOWING TYPE III BARRICADE

CONSTRUCTION BARRICADES

GENERAL NOTES

The contractor shall furnish, erect and maintain Barricades and Signs. Details regarding location, spacing, dimensions, fabrication, material, sign lettering, lighting devices and color of Barricades and Signs shall conform to this drawing, the Wisconsin Manual on Uniform Traffic Control Devices, the Standard Specifications, Special Provisions and/or plans.

Type III Barricades and Signs shall be erected at the termini of projects and at other road or street locations where it is necessary to control or eliminate public access to the construction area.

Type I and II Barricades shall be used on projects when traffic is to be maintained through the construction area.

The actual field location of barricade installations and advance signs shall be as directed by the Engineer.

CONSTRUCTION BARRICADES & STANDARD SIGNS

State of Wisconsin
 Department of Transportation
 Division of Highways

RECOMMENDED FOR APPROVAL:

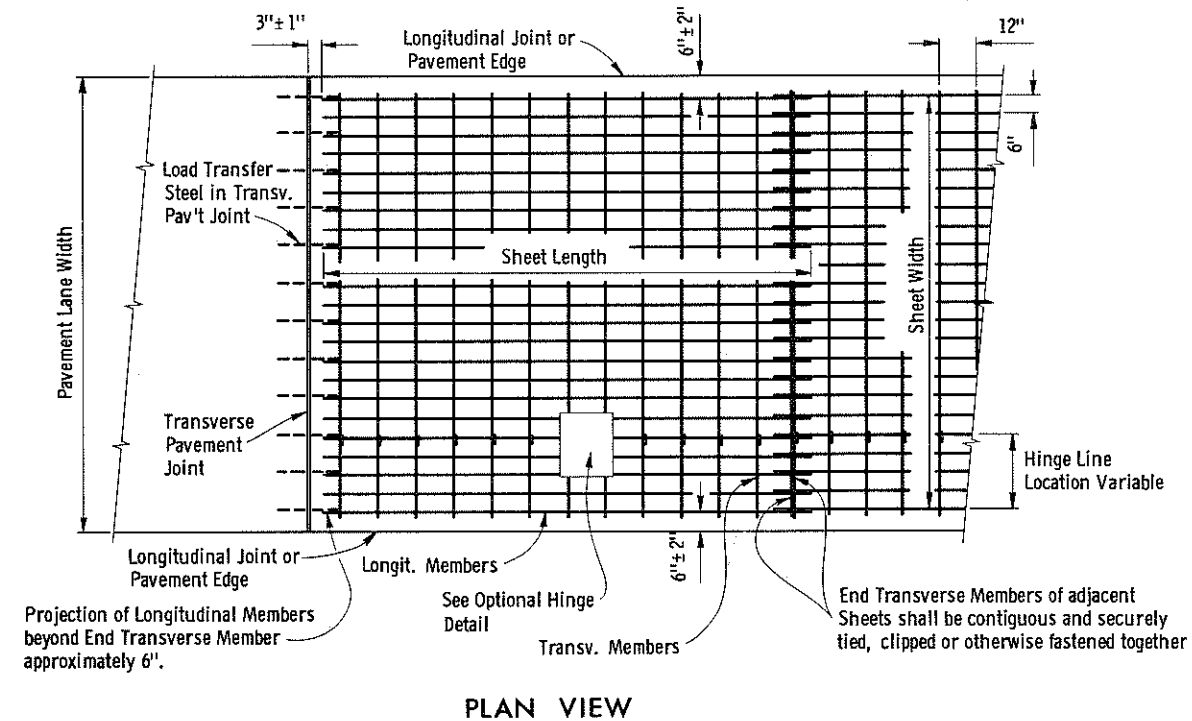
6-6-75
 DATE

J. C. McDaniel
 CHIEF OF FACILITIES DEVELOPMENT

APPROVED

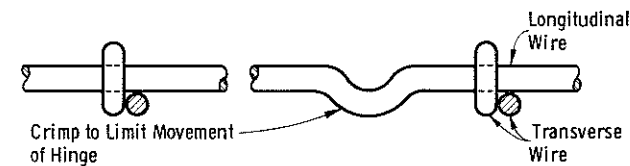
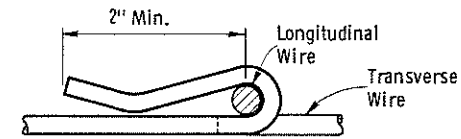
6-6-75
 DATE

H. S. Sinden

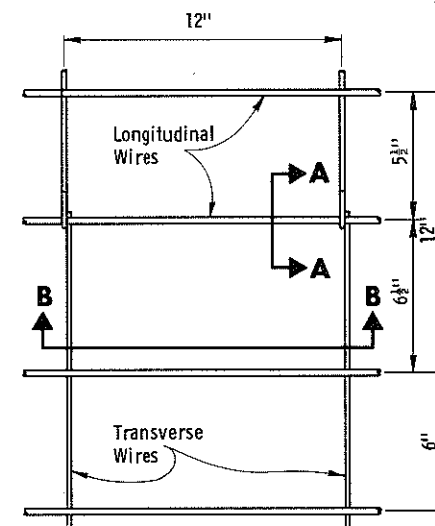


PLAN VIEW

SECTION A-A

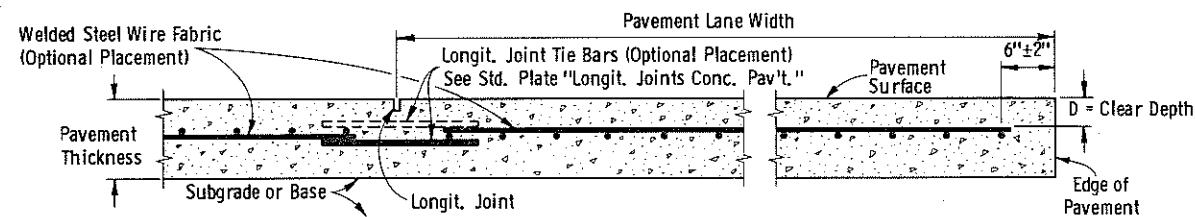


SECTION B-B



PLAN VIEW

OPTIONAL HINGE DETAIL



CROSS SECTION

WELDED STEEL WIRE FABRIC

Pavement Thickness	"D"
8"	2"-4"
9"	2"-4 1/2"
10"	2"-5"

GENERAL NOTES

Details of construction and materials not shown hereon shall conform to the pertinent requirements of the Standard Specifications and the applicable Special Provisions.

Alternate hinge designs may be used upon approval of the Engineer.

WELDED STEEL WIRE FABRIC

Welded Steel Wire Fabric shall conform to the requirements of the Standard Specification for Welded Steel Wire Fabric for Concrete Reinforcement A. A. S. H. O. Designation M 55 except as shown hereon.

Welded Steel Wire Fabric Specifications:

Approximate weight per 100 sq. ft. = 69.0 lbs.
Longitudinal Steel - Gage No. 0 = 0.3065" D at 6" C - C.
Transverse Steel - Gage No. 4 = 0.2253" D at 12" C - C.

Side lap of adjacent sheets shall be approximately 6".

SPECIAL REQUIREMENTS

Welded Steel Wire Fabric shall be shipped to the job site in flat sheets.

One longitudinal hinge line will be permitted in each Welded Steel Wire Fabric sheet for convenience in shipping. This hinge shall encircle the longitudinal wire such that no more than one (1) inch of transverse movement of the hinge exists. The longitudinal wire around which the hinge rotates shall be crimped adjacent to the hinge such that no more than one (1) inch of longitudinal movement of the hinge exists.

CONCRETE PAVEMENT REINFORCEMENT

State of Wisconsin
Department of Transportation
Division of Highways

RECOMMENDED FOR APPROVAL:

11-30-72

DATE

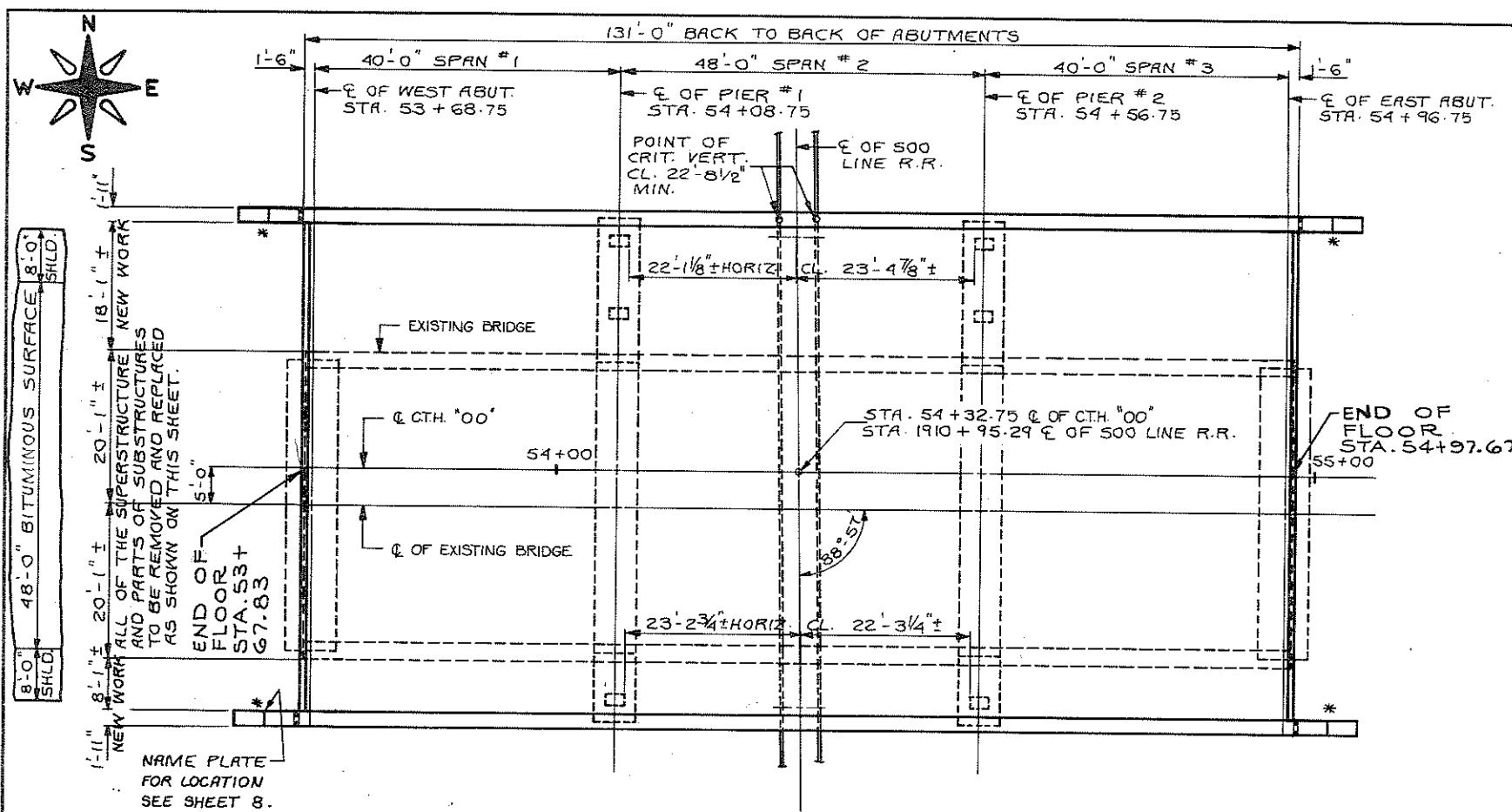
L. C. Hennrich
CHIEF DESIGN ENGINEER

APPROVED

12-1-72

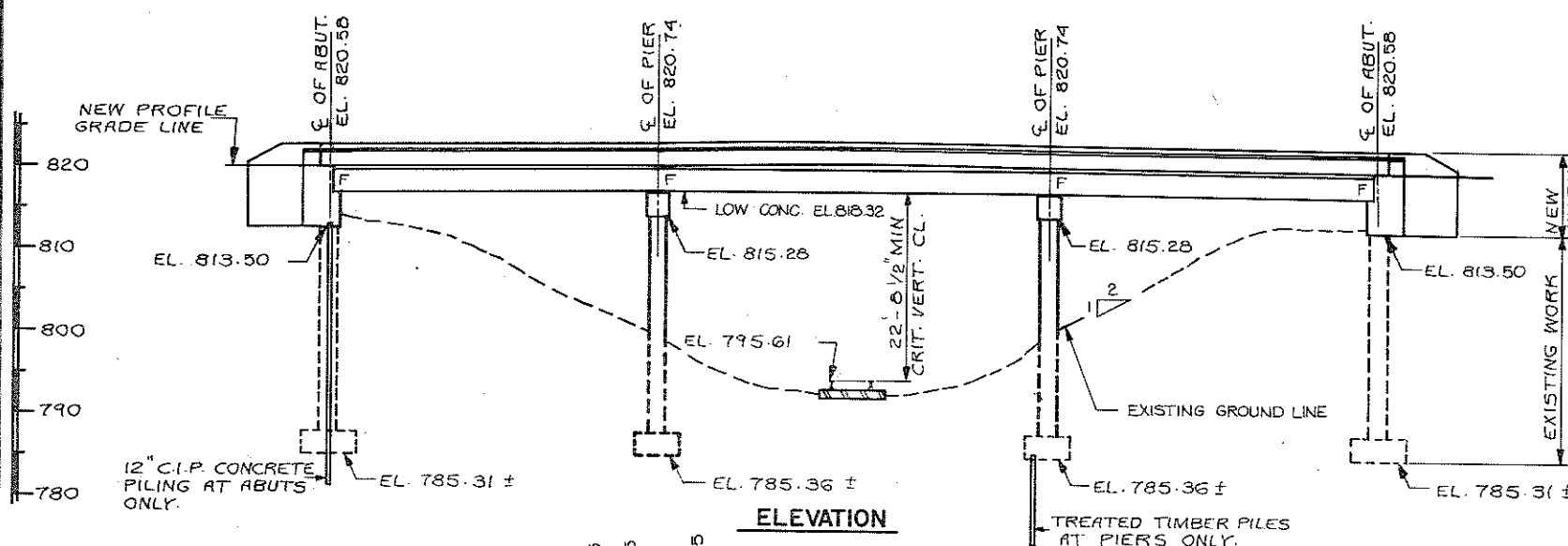
DATE

W. J. Sedler
STATE HIGHWAY ENGINEER

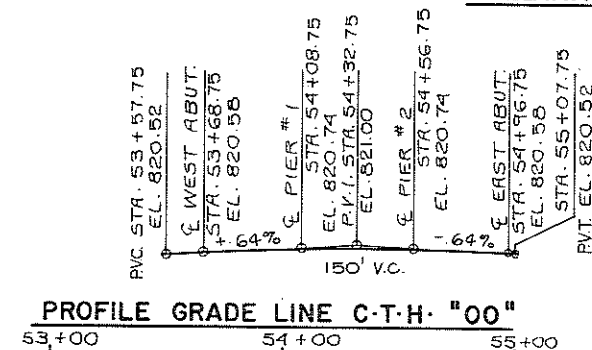


* ATTACH BEAM GUARD
RAIL ATTACHMENT

PLAN
THREE SPAN CONTINUOUS PRESTRESSED
CONCRETE GIRDER SUPERSTRUCTURE



ELEVATION

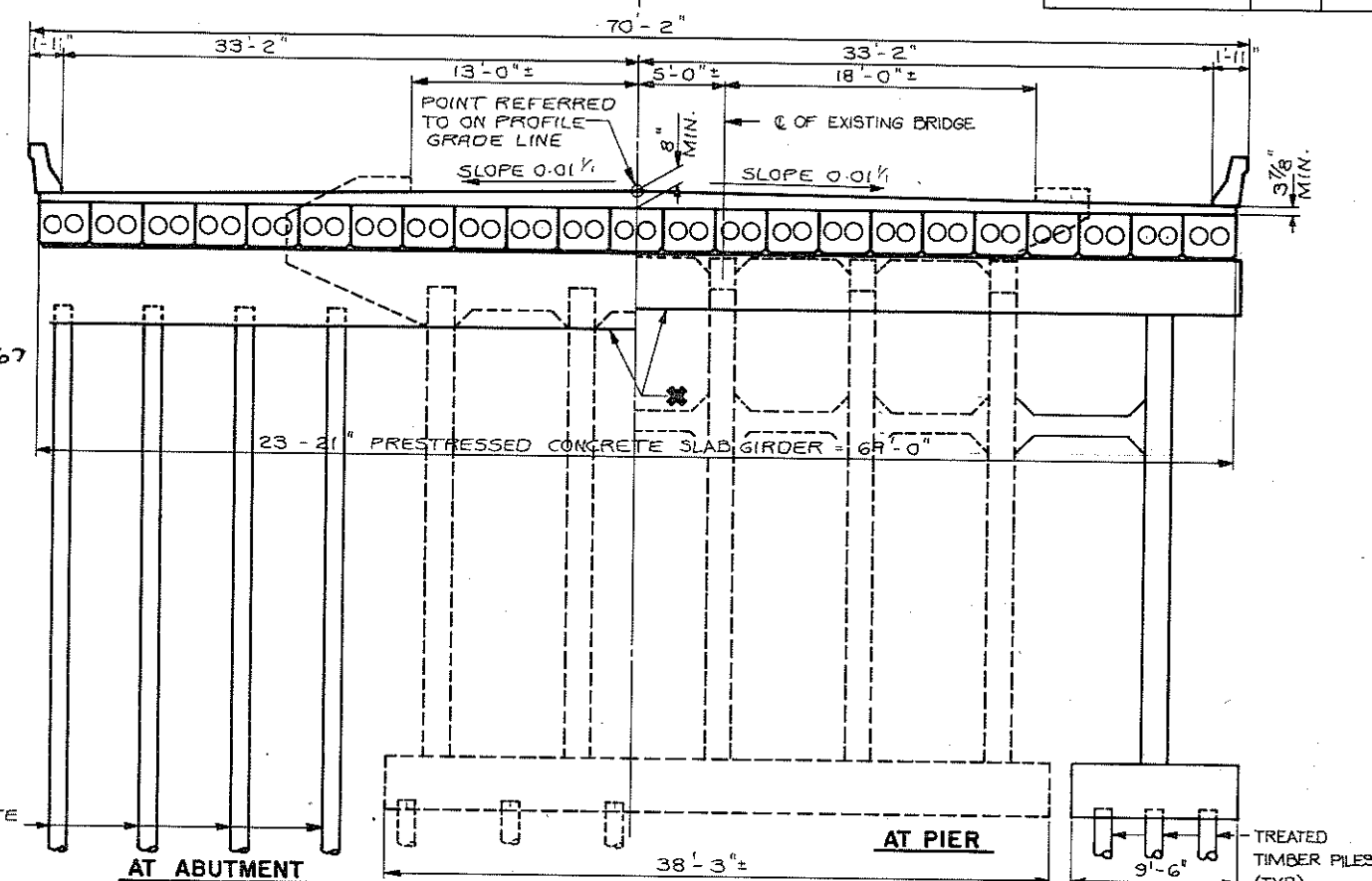


PROFILE GRADE LINE C-T-H: "00"

✱ REMOVE STRUCTURE ABOVE THIS LINE
AND REPLACE AS SHOWN.

NOTE: ALL OF THE EXISTING SUPERSTRUCTURE AND PARTS OF
SUBSTRUCTURES TO BE REMOVED AND REPLACED AS
SHOWN ON THIS SHEET AND SHEETS 3 AND 4.

PROJECT I.D. 4984-034	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	7	



CROSS SECTION THRU ROADWAY
LOOKING EAST

DESIGN DATA

LIVE LOAD
DESIGN RATING : HS-20
INVENTORY RATING : HS21
OPERATIONAL RATING : HS34
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS
PER SQUARE FOOT

PER SQUARE FOOT:

<u>ALLOWABLE DESIGN STRESSES:</u>	
CONCRETE MASONRY - SLAB	$f'_c = 4,000$ P.S.I.
- ALL OTHER CONCRETE	$f'_c = 3,500$ P.S.I.
HIGH STRENGTH BAR STEEL REINFORCEMENT	$f_y = 60,000$ P.S.I.
STRUCTURAL CARBON STEEL	$f_y = 36,000$ P.S.I.
PRESTRESSED CONCRETE GIRDERS, 21" CONCRETE	$f'_c = 5,000$ P.S.I.
STRANDS - 1/2" DIA. WITH ULTIMATE TENSILE STRENGTH OF	270,000 P.S.I.

FOUNDATION DATA:

ABUTMENTS TO BE SUPPORTED BY 12" DIA. C.I.P. CONCRETE PILING
EST. 50'-0" LONG AND DRIVEN TO A MIN. BRG. VALUE OF 30 TONS PER PILE.

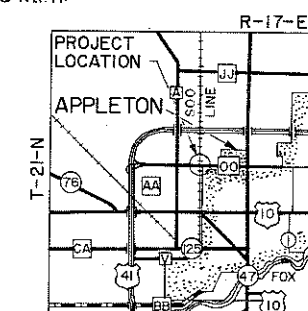
PIERS TO BE SUPPORTED BY TREATED TIMBER PILING EST. 30'-0"
LONG AND DRIVEN TO A MIN. BRG. VALUE OF 24 TONS PER PILE.

TRAFFIC DATA

ADT. (1976) = 10,600
ADT. (1996) = 14,750
RDS = 50 MPH

LIST OF DRAWINGS

1. GENERAL PLAN	X55877
2. GENERAL PLAN	X55878
3. ABUTMENTS	X55879
4. PIERS	X55880
5. SUPERSTRUCTURE	X55881
6. SUPERSTRUCTURE	X55882
7. APPROACH SLAB DETAILS	X55883
8. SLOPED FACE PARAPET "A"	X55884



LAYOUT

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-465			
C-T-H. "OO" OVER SOO LINE RAILROAD			
County	OUTAGAMIE	City Muskegon	APPLETON
Design Spec.	A-A-SH-T-O. 1973 B INTERIM 1975	Load	HS - 20 Const. Spec. 1975
Designed By	R-I-S Design Checked L-M-B.	Drawn By	L-N-F. Plans Checked R-I-S.
Approved <u>W.A. Kline</u> Chief Bridge Engineer		<u>4-6-76</u> Date	
GENERAL PLAN		SHEET 1 OF 8 X55877	

[illegible]

GENERAL NOTES

BENCH MARK

NO.	LOCATION	STA.	ELEV.
	CENTER BOLT IN SOUTH END OF WOOD PLATFORM WITH 'X' CHISELED AROUND IT. 92' LT.	54 + 32	795.31



No.	Date	Revision		By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS				
STRUCTURE B-44-465				
Const. Spec.	WIS.	'75	Drawn By	A.W.G.
			Plans Checked	L.N.F.
GENERAL PLAN			SHEET 2 OF 8	
			X55878	

PROJECT I.D. 4984-0-34	SHEET NUMBER	TOTAL SHEET
FEDERAL PROJECT DESIGNATION	7.2	

MARK	NO.	LENGTH	BEND	LOCATION
A701	160	30'-0"		C.I.P. CONC. PILES - VERT. -(8 PER PILE)
A302	300	3'-8"	X	" " " - STIRRUPS -(15 PER PILE)
A403	260	12'-0"	X	BODY - DOUBLE STIRRUP5
A904	16	36'-8"		" - HORIZ. TOP
A505	16	35'-0"		" " "
A406	56	7'-2"	X	LOWER WING - STIRRUPS
A607	20	9'-8"		" " - HORIZ. - B.F.
A408	16	4'-0"		" " - " - F.F.
A409	28	7-1	X	" " UPPER WING - HORIZ.-F.F.
A410	12	5'-8"	X	UPPER WING - HORIZ.- F.F.
A411	12	10'-6"	X	" " ~ " -B.F.
A412	32	3'-1"		" " -VERT. - F.F.
A513	32	3'-4"		" " - " -B.F.
A514	134	6'-3"	X	BODY BACKWALL - VERT
A415	24	34'-9"		" " -HORIZ.
A916	16	32'-0"		" -- HORIZ. - BOTTOM
A917	8	11'-10"		" - " - " @ C
A518	134	4'-8	X	" - BACKWALL - VERT.

▲ UTILIZE EXISTING BAR STEEL REINFORCEMENT AND EXTEND TO A MIN. OF 2'-2" INTO NEW WORK (TYPICAL).

● CONST. JOINT DEFINED BY A 1" DEEP SAW CUT (TYP.) REMOVE EXISTING STRUCTURE ABOVE THIS JOINT AND REPLACE AS SHOWN. AFTER REMOVING STRUCTURE, CHECK COLUMNS FOR PLUMBNESS WITH ALLOWABLE TOLERANCE OF 1/2". IF PLUMBNESS IS OFF BY MORE THAN 1/2" NOTIFY THE ENGINEER.

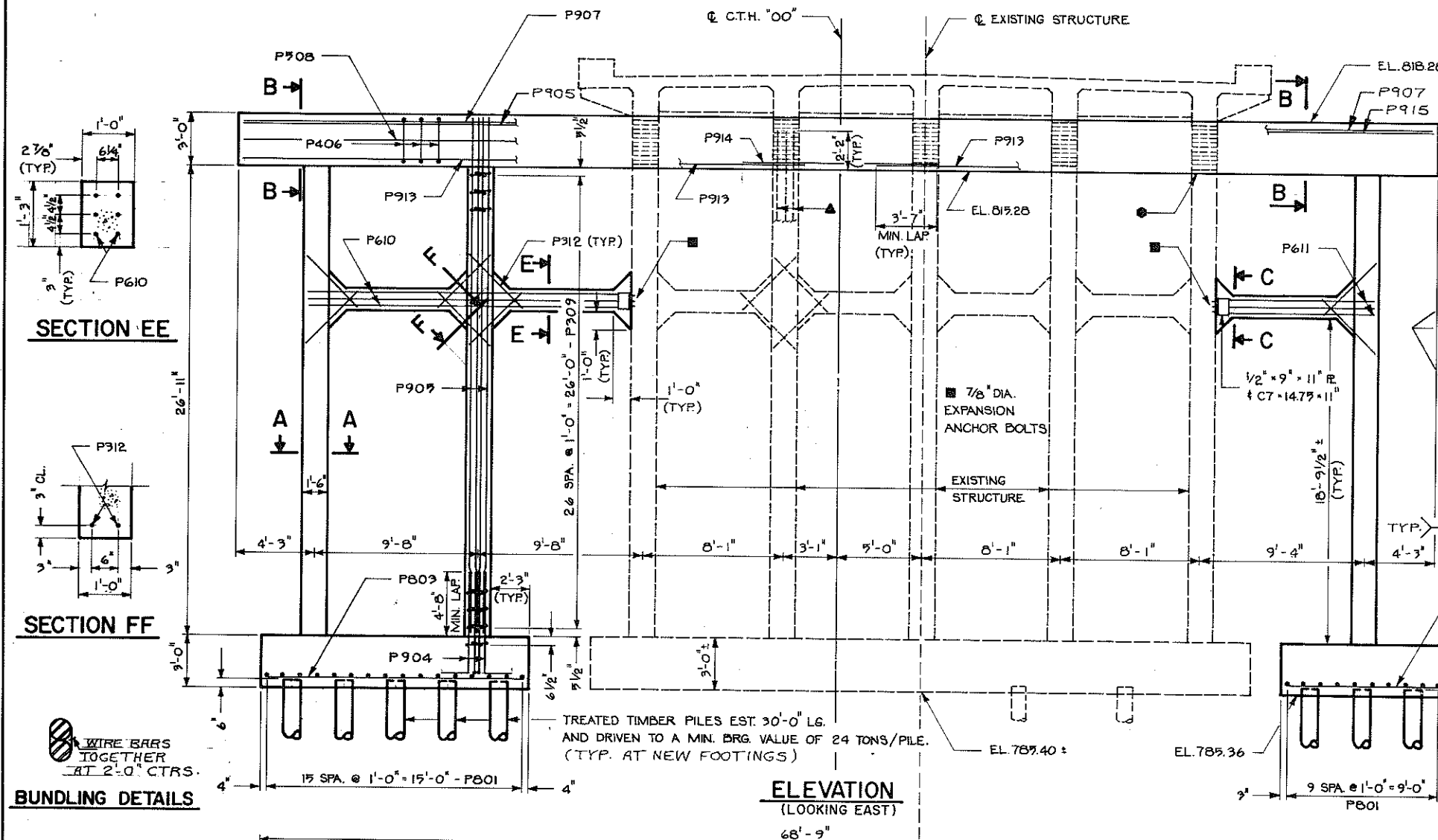
PROJECT I.D.	4984-0-34	SHEET NUMBER	73	TOTAL SHEETS	
FEDERAL PROJECT DESIGNATION					

NOTE: THE FIRST DIGIT OF THE BAR MARK SIGNIFIES THE BAR SIZE.

BILL OF BARS-2 PIERS

MARK	NO.	LENGTH	BEND/BUND	LOCATION
P801	52	5'-0"		FOOTING-NORTH AND SOUTH-LONG.
P802	12	9'-0"		" - SOUTH - TRANS.
P803	12	15'-2"		" - NORTH - TRANS.
P904	60	8'-4"	X	" - AND COLUMNS - DOWELS
P907	68	29'-8"	X	COLUMNS - VERT. - TOP OF CAP-N.
P406	280	9'-6"	X	PIER CAP - DOUBLE STIRRUPS
P907	16	37'-0"	X	" - LONG. TOP
P908	8	35'-3"		" - " - " MIDDLE
P909	336	6'-5"	X	COLUMNS - DOUBLE STIRRUPS
P610	12	18'-10"		LONG. IN LATERAL STRUTS
P611	6	8'-10"		" - " - " "
P312	32	4'-6"		FILLETS IN LATERAL STRUTS
P913	16	32'-6"		PIER CAP LONG. BTM.
P914	8	11'-4"		" - " - " "
P915	8	20'-0"	X	" - " - " TOP - S. END

NOTE: DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.



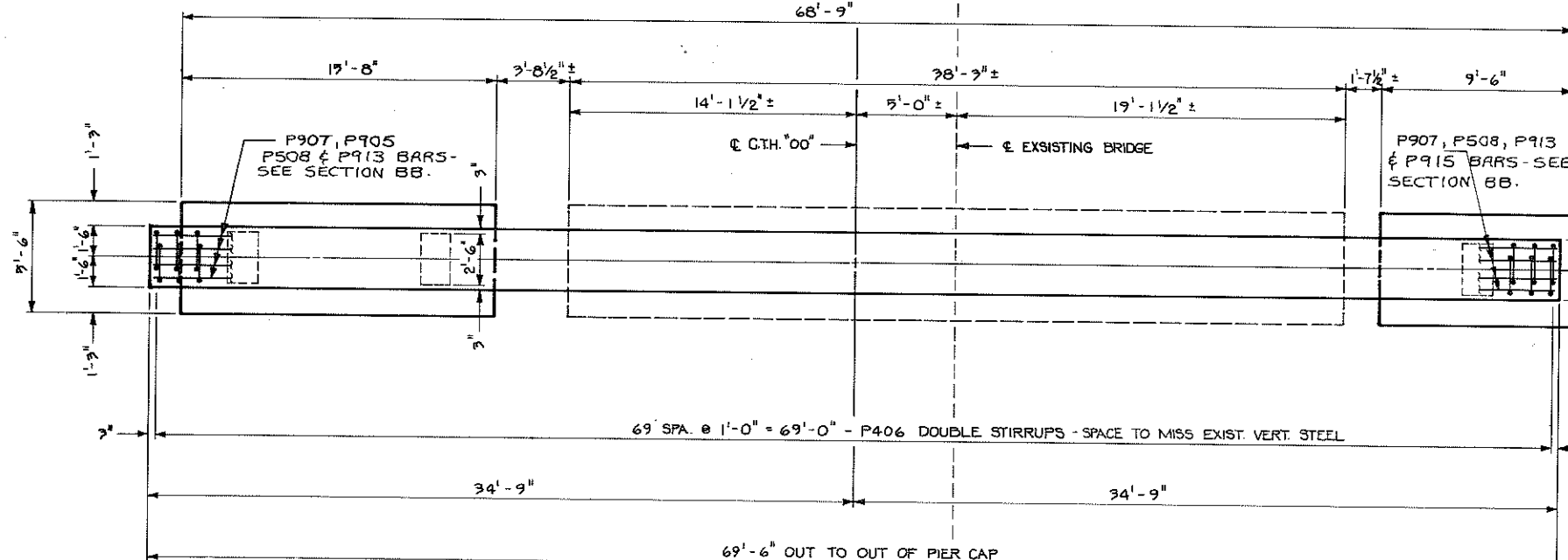
ELEVATION
(LOOKING EAST)

● 15/16" DIA. HOLES FOR 7/8" DIA. x 10" EXPANSION ANCHOR BOLTS (BOLTS NOT SHOWN). TO BE APPROVED BY THE ENGINEER AND INCLUDED IN THE BID ITEM FOR STRUCTURAL CARBON STEEL. NOTE: CHANNEL AND PLATES TO BE PAID FOR AS STRUCTURAL CARBON STEEL.

SECTION AA

SECTION BB

NOTE: SECTIONS TAKEN AT THE MIDDLE OF CAP ARE SIMILAR EXCEPT OMIT P905, P913 OR P914 AND P915 BARS.



PLAN

SECTION DD

● 15/16" DIA. HOLES FOR 7/8" DIA. x 10" EXPANSION ANCHOR BOLTS (BOLTS NOT SHOWN). TO BE APPROVED BY THE ENGINEER AND INCLUDED IN THE BID ITEM FOR STRUCTURAL CARBON STEEL. NOTE: CHANNEL AND PLATES TO BE PAID FOR AS STRUCTURAL CARBON STEEL.

SECTION AA

SECTION BB

NOTE: SECTIONS TAKEN AT THE MIDDLE OF CAP ARE SIMILAR EXCEPT OMIT P905, P913 OR P914 AND P915 BARS.

PILE PLAN

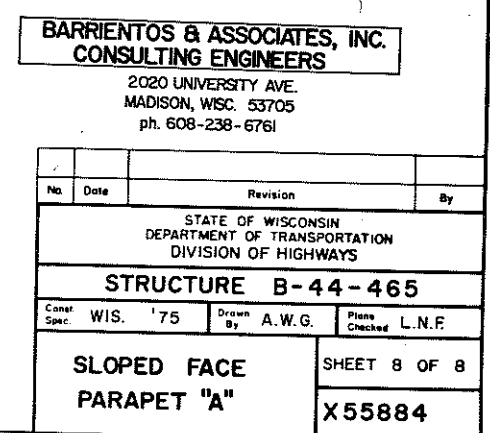
TOTAL ESTIMATED CONCRETE MASONRY

FOOTINGS	
NORTH	9.4 C.Y.
SOUTH	5.7 C.Y.
COLUMNS	12.6 C.Y.
PIER CAP	23.2 C.Y.
TOTAL	50.9 C.Y.

NOTE: QUANTITIES ARE SHOWN FOR PIER 1. PIER 2 QUANTITIES ARE SIMILAR.

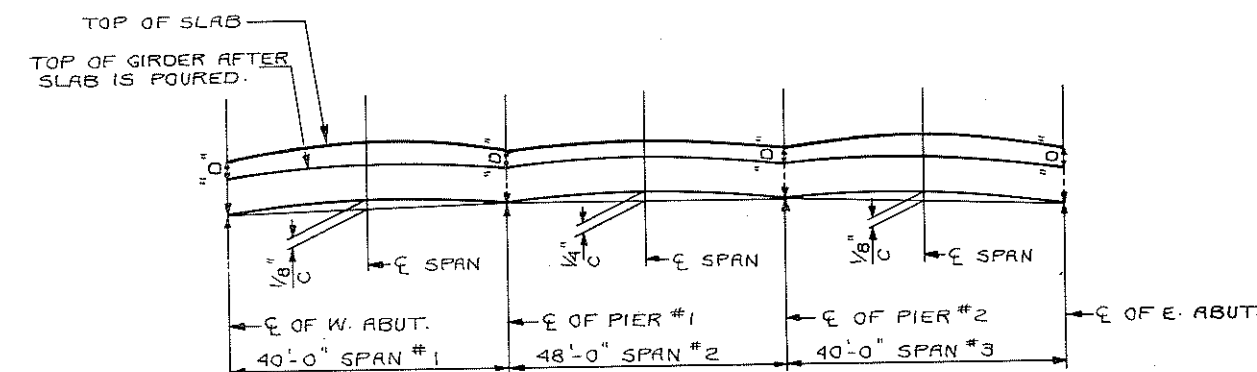
No.	Date	Revision	By

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-465			
Const. Spec.	WIS. '75	Drawn By	A.W.G.
		Plans Checked	L.N.F.
PIERS			
SHEET 4 OF 8			
X55880			



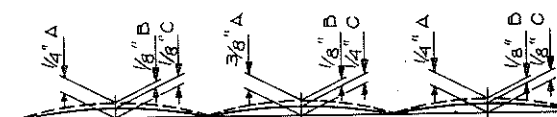
PROJECT I.D. 4984-0-34	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	7.6	

NOTE: "D" IS SLAB THICKNESS. "D" = 4" @ EDGE OF SLAB; "D" = 8" @ NEW & C.T.H. "OO".



SLAB FORMING DIAGRAM

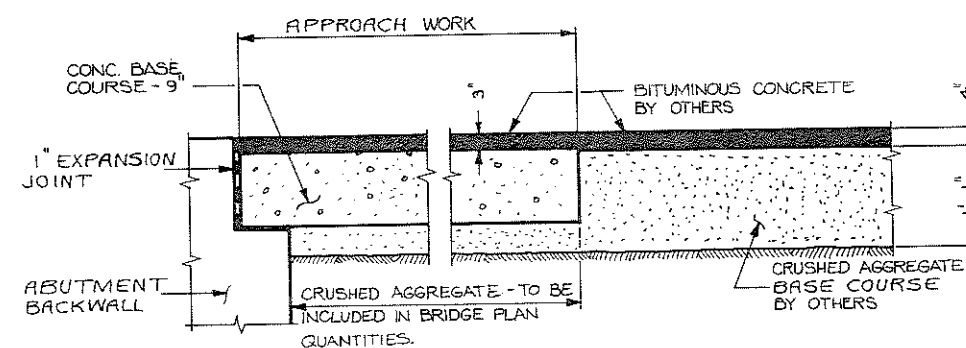
NOTE: ALL SLAB THICKNESSES SHOWN ARE MINIMUM. AFTER THE GIRDS ARE ERECTED, ELEVATIONS OF THE TOP OF THE GIRDERS SHALL BE TAKEN AT THE QUARTER POINTS OF THE SPAN. THESE ELEVATIONS SUBTRACTED FROM THE GRADE LINE, ADJUSTED FOR DEAD LOAD DEFLECTION EQUALS THE SLAB THICKNESS. ANY CHANGES REQUIRED IN SLAB THICKNESS DUE TO VARIATIONS IN PRESTRESS CAMBER AND OTHER MINOR CONSTRUCTION DISCREPANCIES ARE TO BE PLUS (+). IF VARIATIONS IN PRESTRESS CAMBER AND OTHER CONSTRUCTION DISCREPANCIES ARE OF SUCH A MAGNITUDE THAT THE MINIMUM SLAB THICKNESS AS NOTED ABOVE WILL NOT BE MAINTAINED, THE PLAN SLAB THICKNESS SHALL BE HELD WHILE THE GRADE LINE WILL BE REVISED.



CAMBER DIAGRAM

A - PRESTRESS CAMBER
B - DEAD LOAD DEFLECTION
C - RESIDUAL CAMBER

NOTE: PRESTRESS CAMBER AND DEADLOAD DEFLECTION DATA SHOWN ARE THEORETICAL AND MAY VARY WITH CONCRETE STRENGTH, VARIABLE PRESTRESSING CONDITIONS AND PRESTRESS LOSSES.

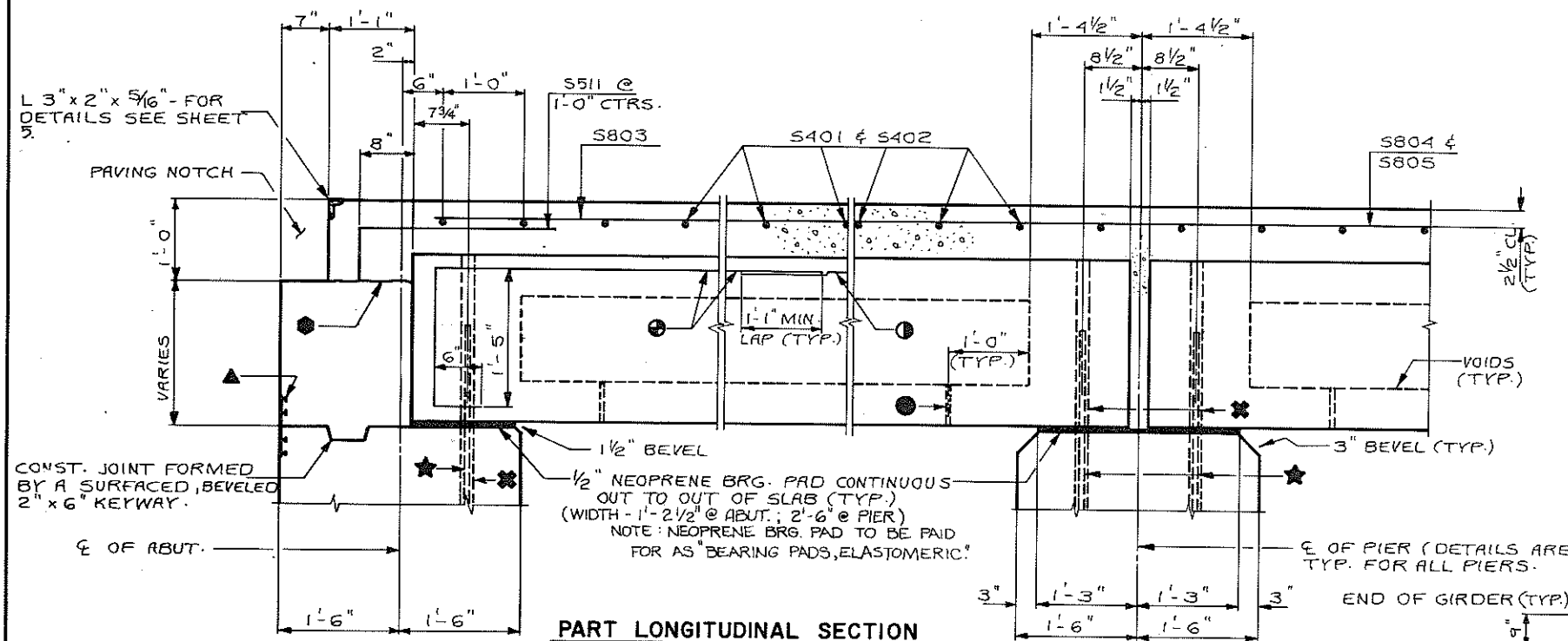


CENTERLINE SECTION AT APPROACHES

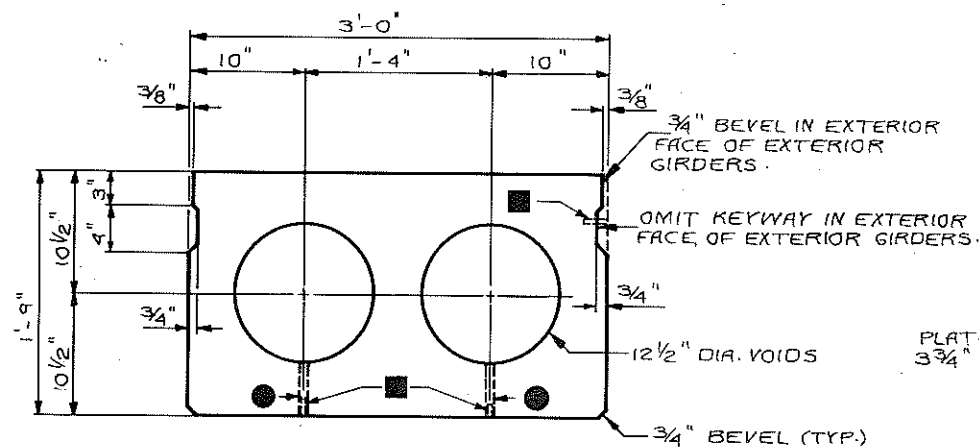
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ph. 608-238-6761

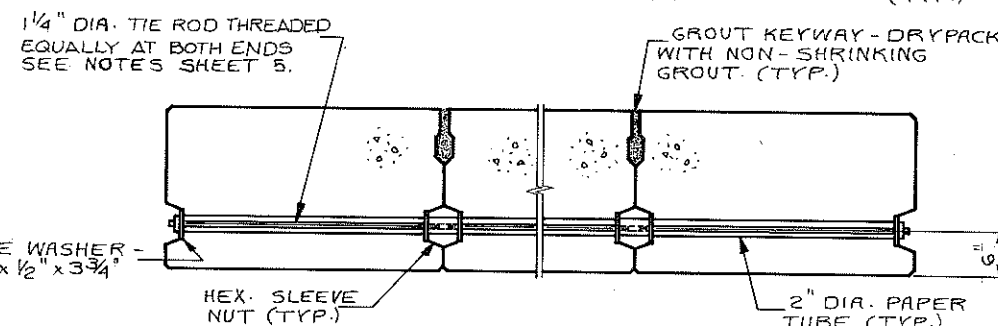
No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-465			
Const. Spec.	1975	Drawn By	L.N.F.
		Plans Checked	R.A.S.
APPROACH DETAILS			SHEET 7 OF X55883



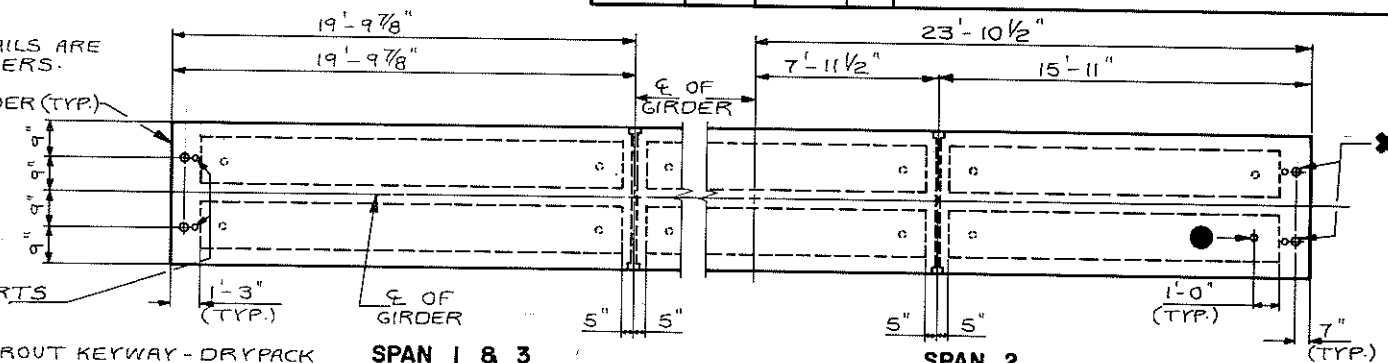
PART LONGITUDINAL SECTION



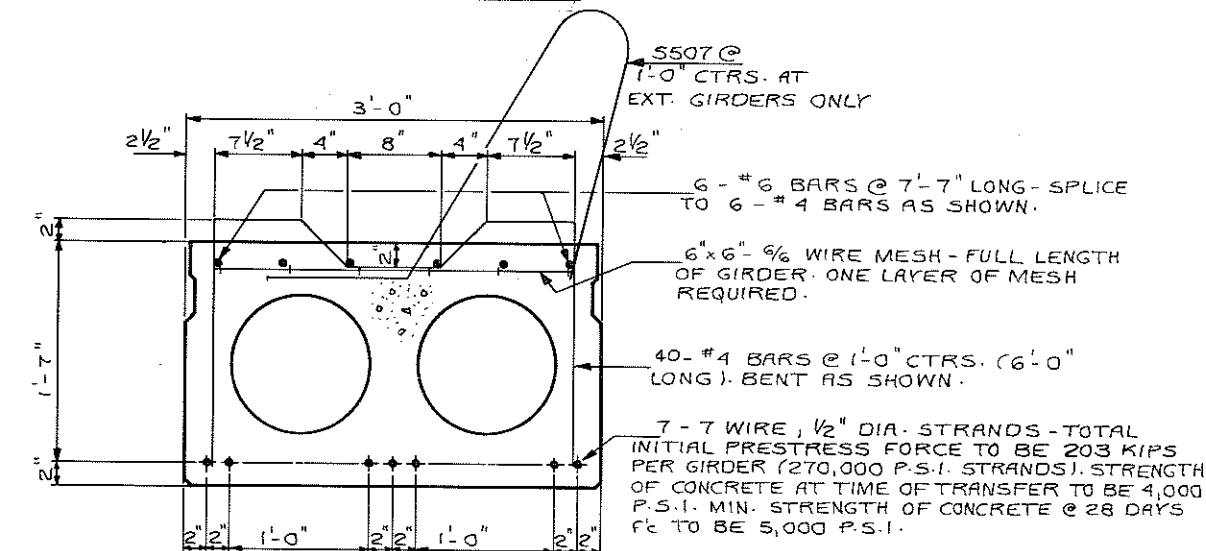
TYPICAL GIRDER SECTION



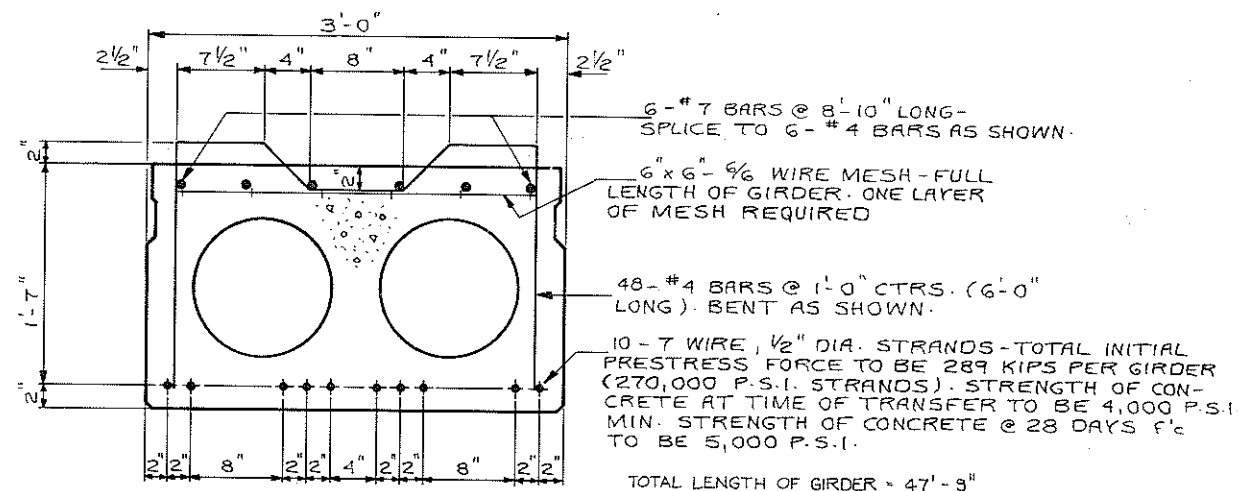
GIRDER CONNECTION DETAIL



TYPICAL GIRDER PLAN



TYPICAL GIRDER SECTION
(DETAILS FOR SPANS 143)



TYPICAL GIRDER SECTION
(DETAILS FOR SPAN 2)

LEGEND OF SYMBOLS

LEGEND OF SYMBOLS

✱ 2" DIA. HOLES FOR $\frac{7}{8}$ " DIA. ANCHOR PINS. FILL HOLES WITH GROUT AT THE PIER AND WITH MASTIC AT THE ABUTMENTS AFTER ANCHOR PINS ARE PLACED.

★ $\frac{7}{8}$ " DIA. ANCHOR PINS (2'-6" LONG) SUPPLIED BY THE GIRDER MANUFACTURER. 4 PINS REQUIRED PER GIRDER. DRILL $\frac{7}{8}$ " DIA. HOLES FOR ANCHOR PINS IN PIERS AND ABUTMENTS AFTER PLACING THE GIRDERS.

● 3/4" DIA. PAPER TUBE AT EACH END OF EACH VOID FOR DRAINING.

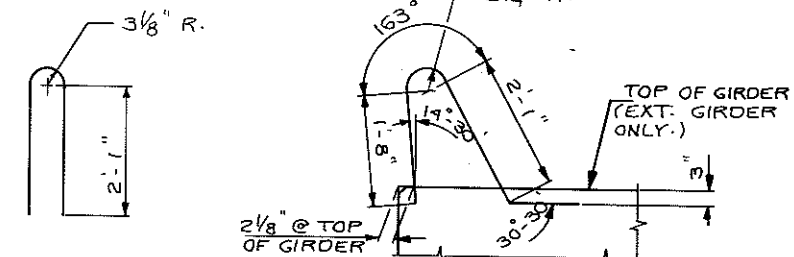
① 6 - #6 BARS @ 7'-7" LONG FOR SPANS 1 & 3. 6 - #7 BARS @ 8'-10" LONG FOR SPAN 2. BEND AS SHOWN.

② 6 - #4 BARS @ 29'-6" LONG PER GIRDER FOR SPANS 1 & 3. 6 - #4 BARS @ 35'-1" LONG PER GIRDER FOR SPAN 2. SPLICE #4 BARS TO #6 @ 7 BARS AS REQUIRED.

▲ POLYVINYL CHLORIDE WATERSTOP - FOR DETAILS SEE SHEET 3.

● CONST. JOINT, POUR CONC. ABOVE THIS JOINT MONOLITHICLY WITH THE SUPERSTRUCTURE.

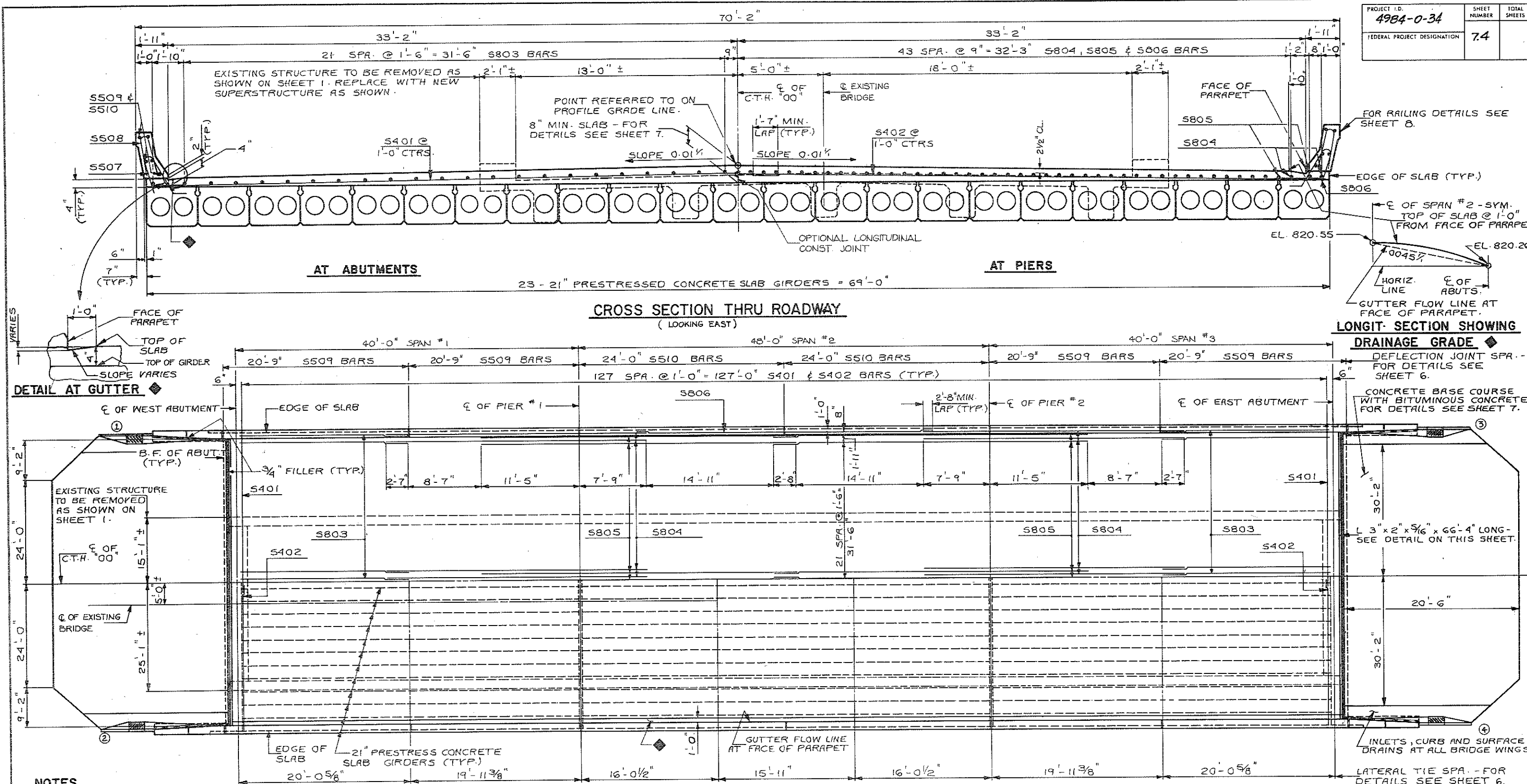
■ 5/8" Ø THREADED INSERTS @ 4'-0" CTRS. IN EXTERIOR SLABS ONLY.

[illegible]

S507

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No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-44-465			
Const. Spec.	1975	Drawn By	L.N.F.
		Plans Checked	L.M.B.
SUPERSTRUCTURE		SHEET 6 OF 8 X55882	



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