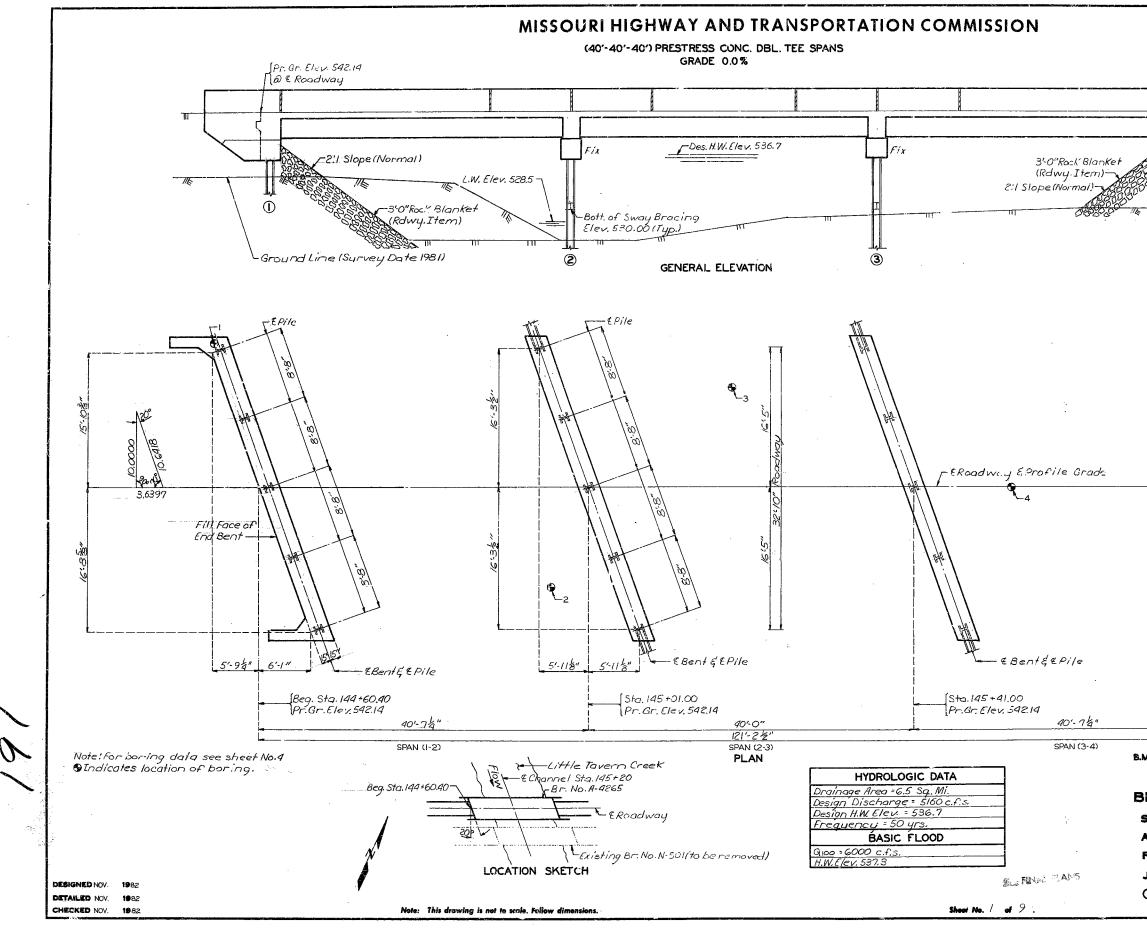
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A42651, Sht. 44

	FED. ROAD	STATE	FED. AID	FISCAL	SHEET	TOTAL
	DIST. NO. 5	MO.	PROL NO.	YEAR 19	110. 8	SH" ETS
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(4)						
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piles are driven for the embankment see	anyb	ent.	s falli	ng wi	thin	
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RIDGE OVER LITTLE				Ś		
STATE ROAD FROM PORTLA						
ABOUT 4 MILES NORTHEAST						
PROJECT NO.	Sĩ	A . 14	4+60.4	0		
JOB NO. 5-5094-223		E.94			STD	. 706.30
CALLAWAY	C	JUC	NTY		_	4265
DATE 7/5/83					<u> </u>	*200

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GENERAL NOTES:

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Design Specifications: A.A.S.H.T.O.- 1977 and Interim Specs. Thru 1980 Load Factor Design Design Loading:

H20-44

15" per sq.ft. Future Wearing Surface Earth 120*/cuft, Equivalent Fluid Pressure 30 Youft. Superstructure : Simply supported non-composite for Dead Load, Continuous composite for live Load

Design Unit Stresses:

Class B Concrete (Substructure) fic=3000 psi Class BI Concrete (Safety Barrier Curb) f'e 4000psi. Class BI Concrete (Superstructure except Safery Barrier Curb) f'e 4000 p.si.

Reinfording Steel (Brade 60) fy=60,000 p.s.i. Steel Pile 16 = 7000 p.s.i.

For Pre-stressed Girder Strasses see sheet No.5 Bearings shall be 60 durometer neoprene pads, No direct payment will be made for furnishing, installing, cleaning and painting of bracing at-in-termediate bents.

All joint filler shall meet the requirement of Std. Spec. 10572.4.

Minimum clearance to reinforcing steel shall be 1/2"unless otherwise shown.

The test system for epoxy coated reinforcing as specified in Sec. 710.3.4 of the Standard Specification will not be required on this bridge.

Cost of furnishing, fabricating and installing Neoprene Bearing Pads complete in place, shall be paid for at the contract unit price for Plain Neoprene Bearing Pads per each.

ESTIMATED .	QUANTI	TIES		
ITEM		SUBSTR.	SUPERSTR.	TOTAL
Removal of Bridges(N-501) [ump Sum			7
Structural Steel Piles (10")	Lin. Ft.	660	1	660
Class B Concrete	Cu, Yd.	38 <i>.2</i>		38.2
Class N2 Concrete	Cu.Yd.		114.8	114.8
Safety Barrier Curb	Lin.Ft.		269	269
Plain Neoprene Bearing Pads	Eq.		60	60
Prestressed Concrete Dbl. TeeGdr.(40'Spa	n) Ea,		15	15
Reinforcing Steel	Lb,	2430	5030	7.460
Reinforcing Steel (Epoxy Coated)	<i>Lb</i> .		14080	14080
Slab Drains	Ea.		16	6
Pile Point Reinforcement	Eq.	20		20

Note: All concrete above lower construction joint in end bents is included with superstructure quantities.

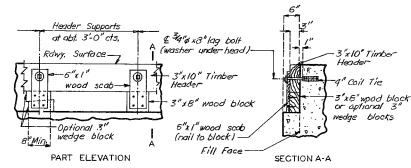
All reinforcement in the end bents is included with superstructure quantities,

Manufactured pile point reinforcement shall be used on all pins in this structure. See Special Provisions. cost of any required excavation for bridge shall be

included in contract unit price for other items.

PILE DATA											
BENT NO.		I	2	3	4						
Pile Type and size		HPIOx42	HPIOX42	HPIOX42	HPIOx42						
Number		5	5	5	5						
Approximate Length	Ft.	33	33	33	33						
Design Bearing	Tons	38	48	48	38						
Hammer Energy required Fi	t.Lbs	8600	11200	11200	8600						

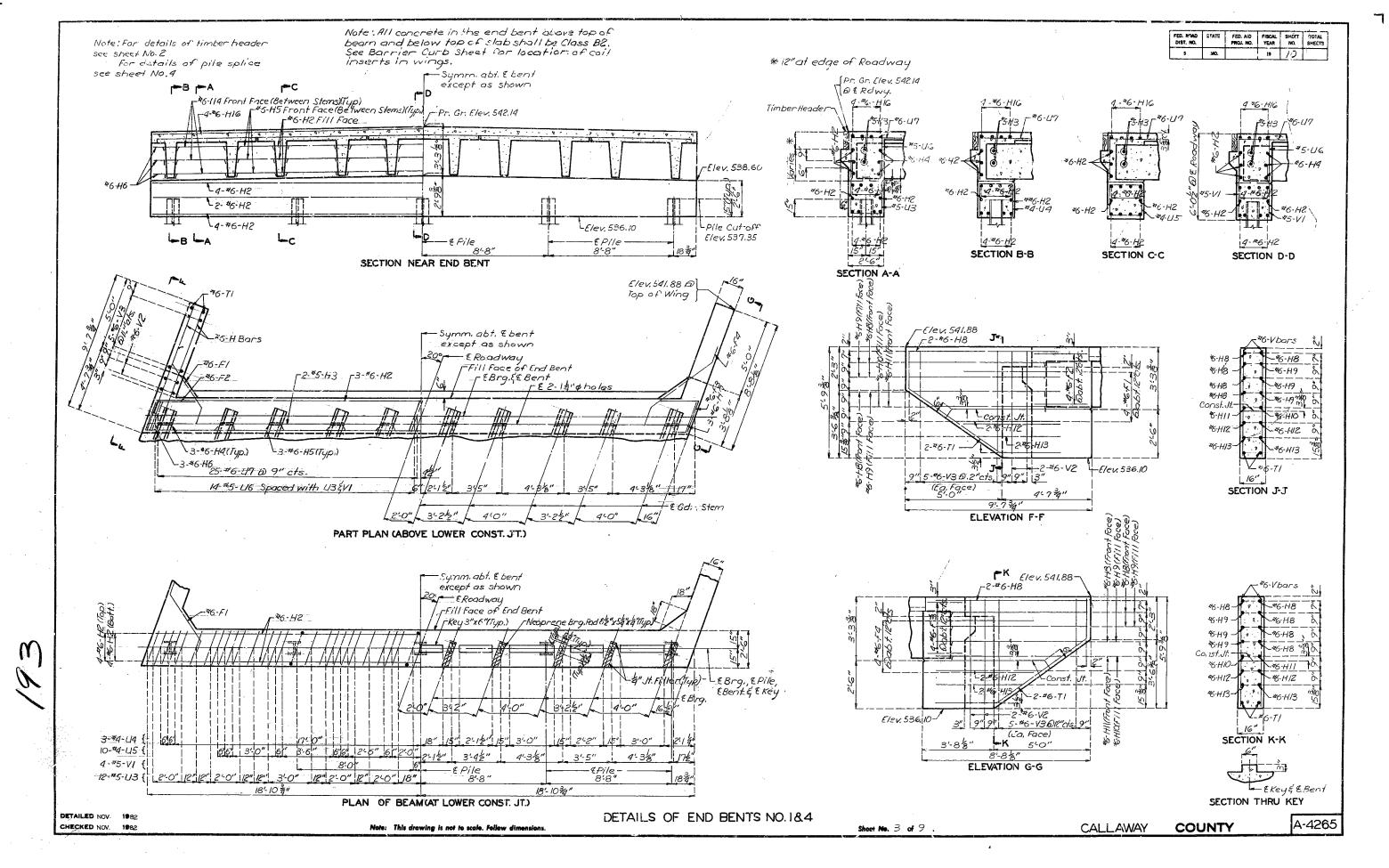
Minimum energy requirement of hammer based on plan length and design bearing value of piles. All pile shall be driven to practical refusal.



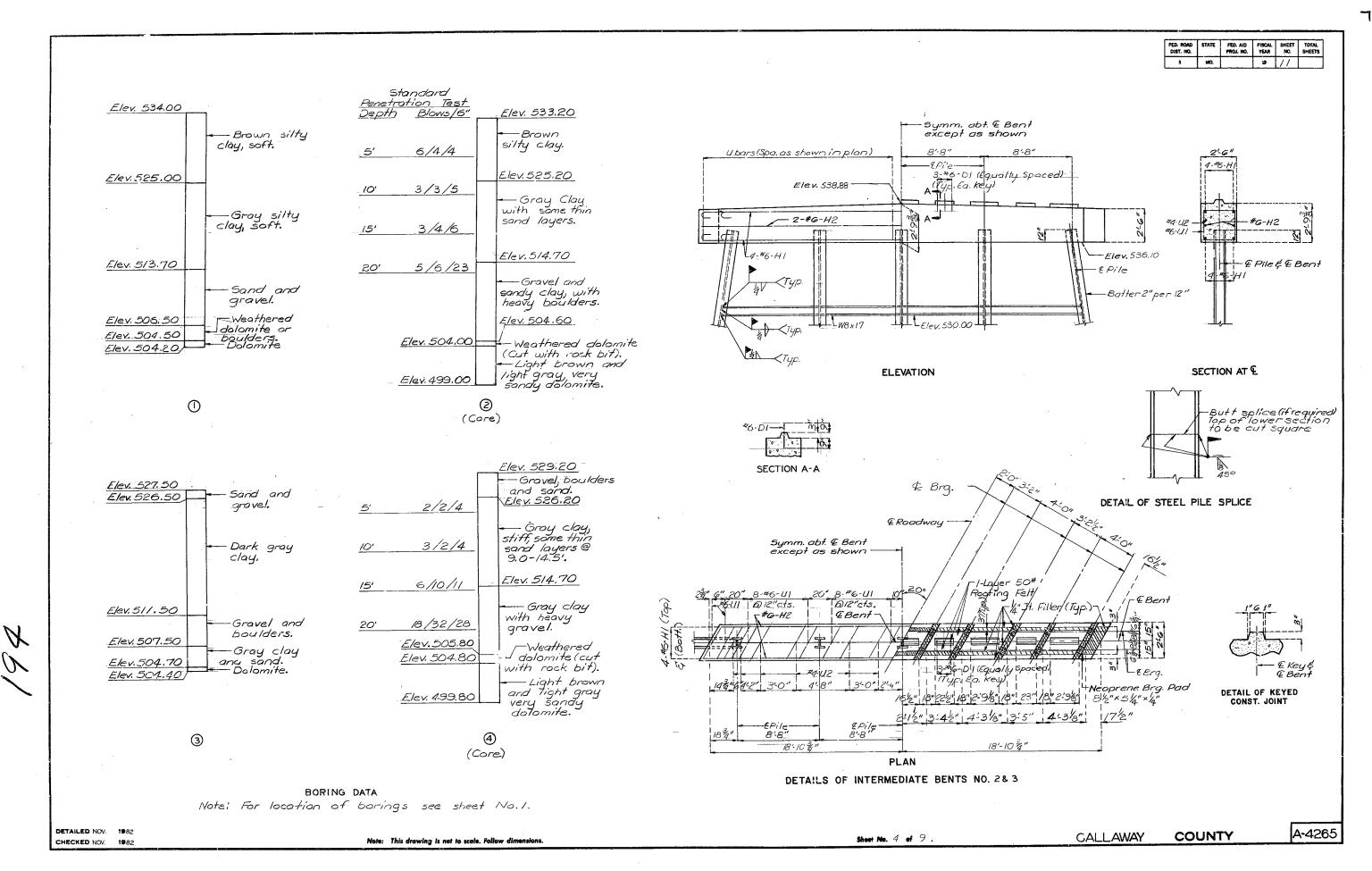
Note: Cost of timber headers complete in place to be included in contract unit price for concrete DETAILS OF TIMBER HEADER AT END BENTS

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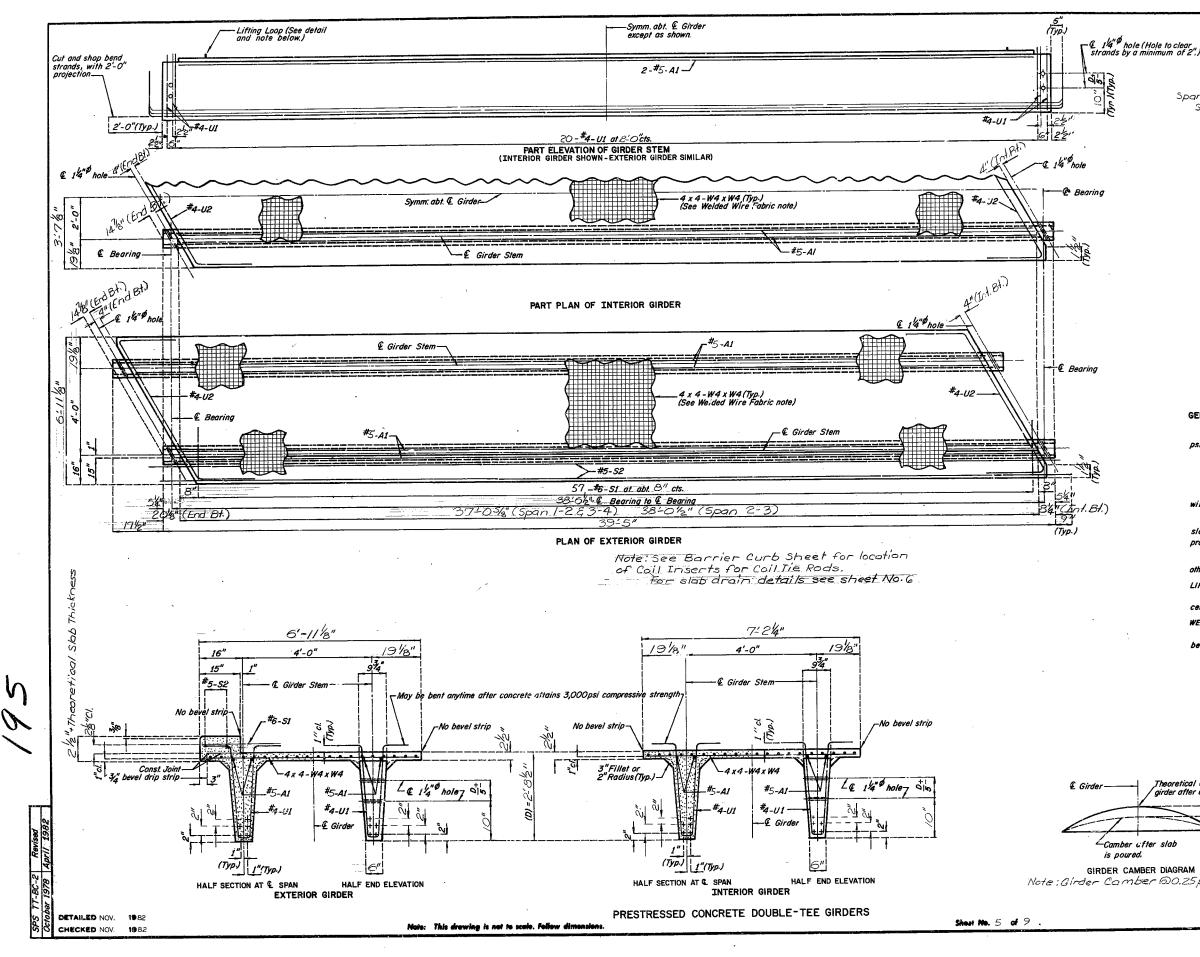
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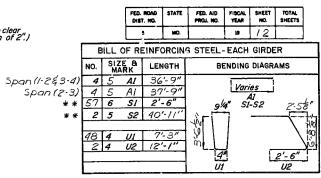


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* * Exterior girder only.

All dimensions are out to out.

Where deflected strands interfere with placement. some inplace bending may be necessary.

Hooks and bends shall be in accordance with the CRSI Manual of Standard Practice for Detailing Reinforced Concrete Structures stirrup and tie dimensions.

Actual lengths are measured along centerline bar to the nearest inch.

Minimum clearance to reinforcing shall be 1 inch except for 4 x 4 - W4 x W4 and U2 bar.

All S and U reinforcing bars shall be epoxy coated.

All reinforcement shall be Grade 60.

GENERAL NOTES:

Concrete for prestressed girders shall be Class A1 with f'c = 5,000 psi.

(+) Indicates prestressed strand.

Use /O strands with an initial prestress force of 289.0kips.

Girders shall be handled and erected into position in a manner that will not impair the strength of the girder.

The vertical face of the exterior girder that will be in contact with the slab shall be roughened by sandblasting or other approved methods to provide suitable bond between girder and slab.

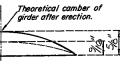
All exposed edges of concrete shall have $\frac{1}{2}$ radius or $\frac{3}{8}$ beyel unless otherwise noted.

LIFTING LOOPS:

Provide lifting loops in each end of Double-Tee girder. Located near center of stem, 2 feet from each end.

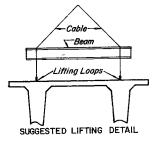
WELDED WIRE FABRIC:

Adequate reinforcing other than the specified welded wire fabric may be used with the approval of the engineer.



GIRDER CAMBER DIAGRAM Note: Girder Camber @0.25pt = 0.7125x0.5pt,

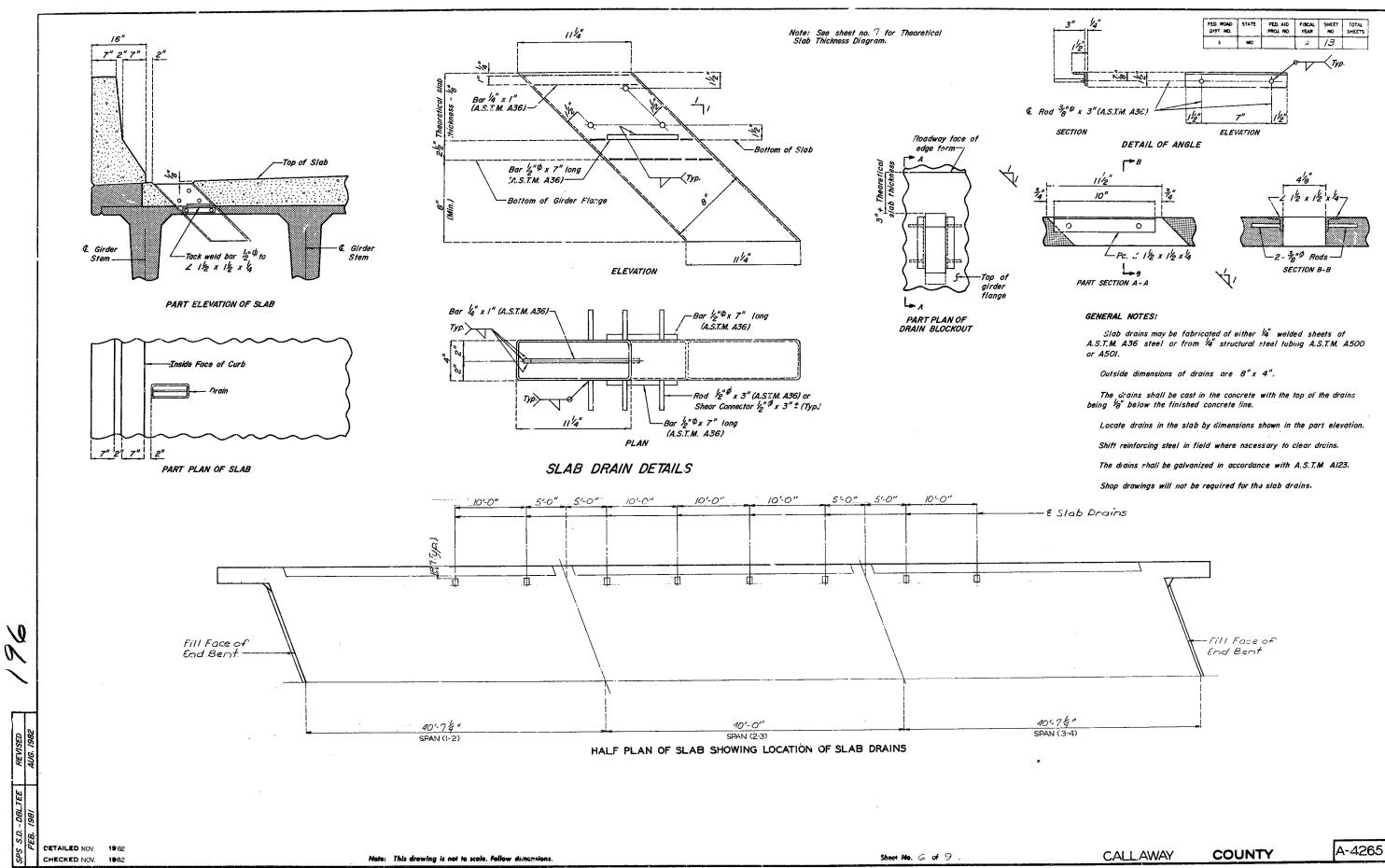
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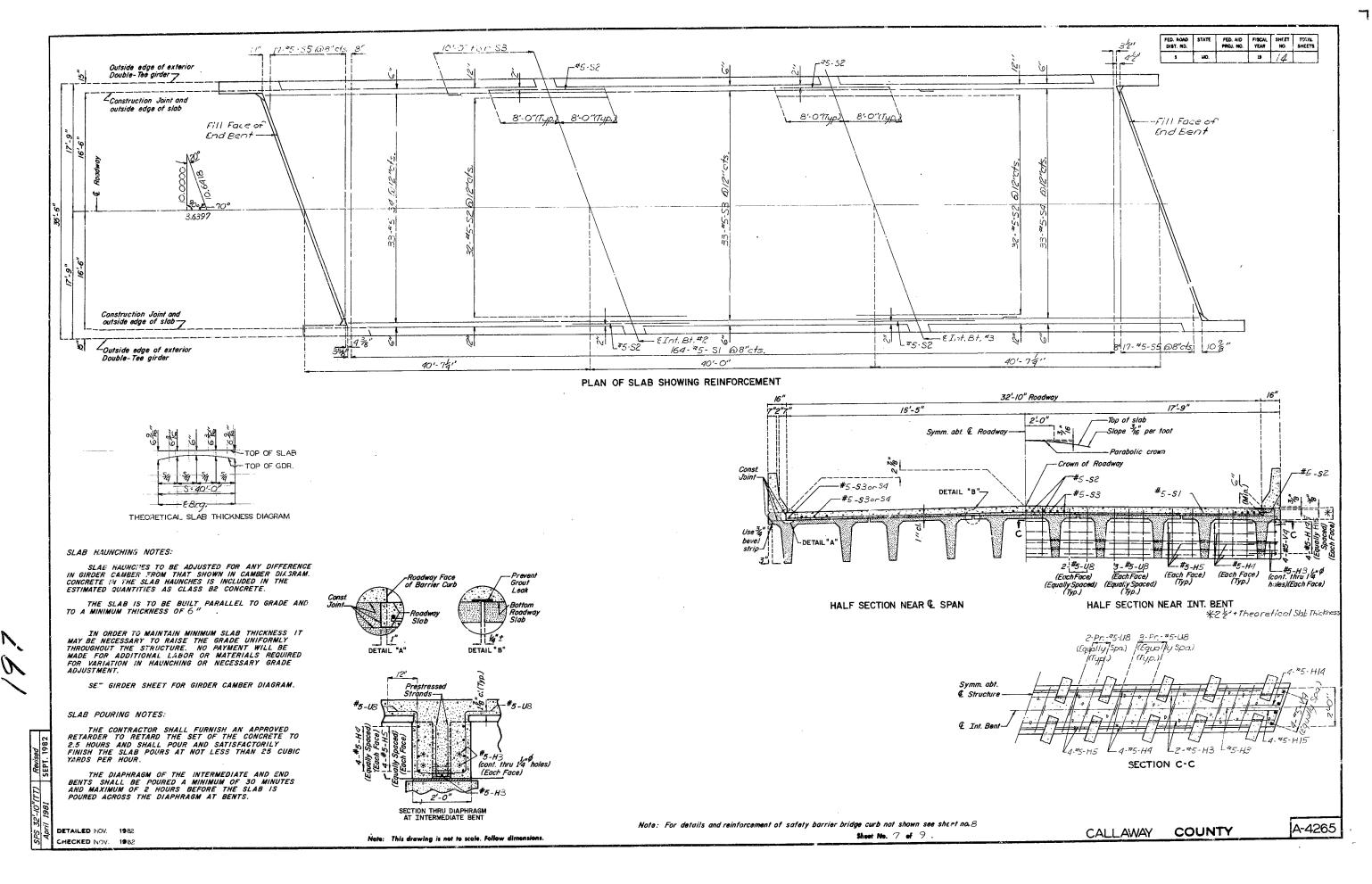
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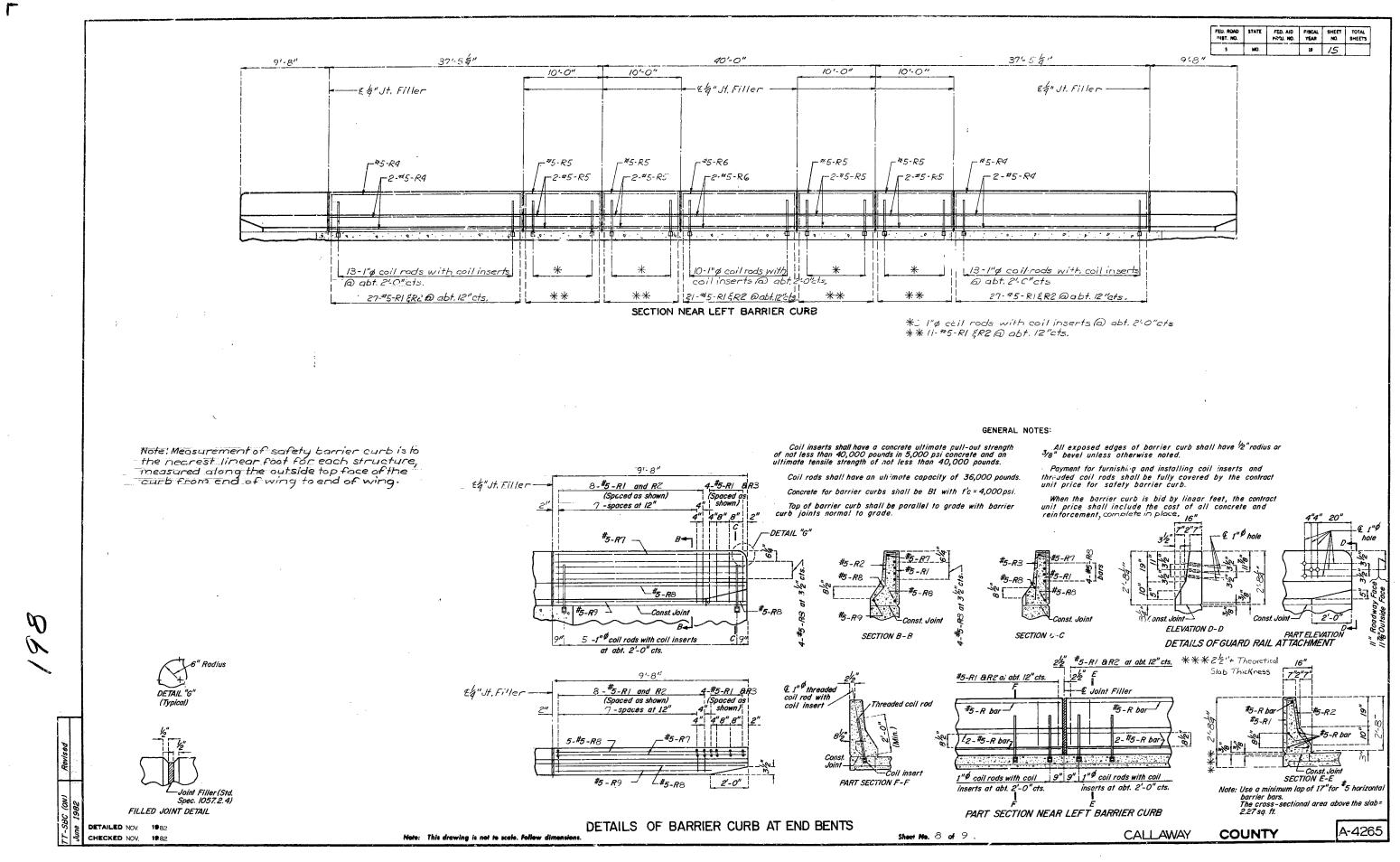


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A42651, Sht. 51

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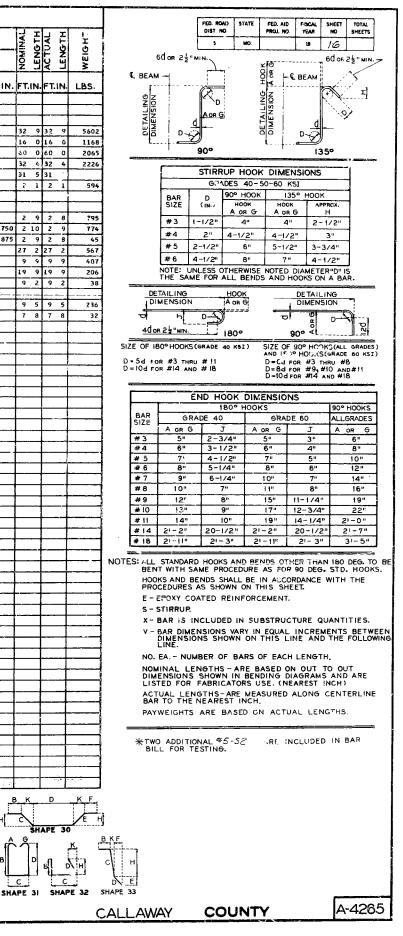
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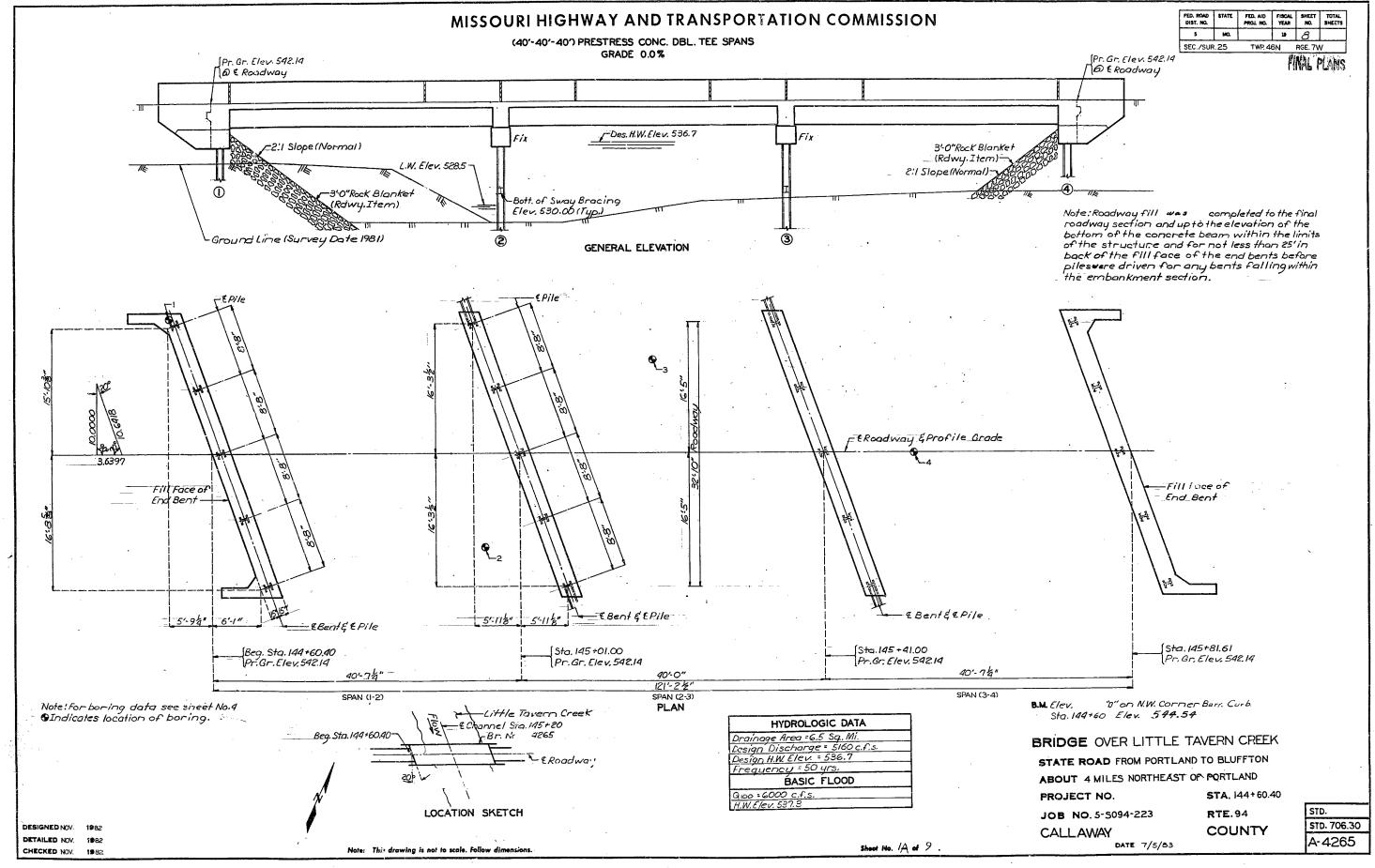
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GENERAL NOTES:

Design Specifications: A.A.S.H.T.O.-1977 and Interim Specs. Thru 1980 Load Factor Design Design Loading:

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15[#]per sq.ft.Future Wearing Surface Earth 120*/CU.ft.Equivalent Fluid Pressure 30[%]Cu.ft. Superstructure: Simply supported non-composite for Dead Load.Continuous composite for Live Load

Design Unit Stresses:

Class & Concrete (Substructure) f's = 3000 psi. Class Bl Concrete (Safety Barrier Curb) f's = 4000 psi. Class B2 Concrete (Superstructure except Safety Barrier Curb) f's = 4000 p.s.i. Reinforcing Steel (Grade 60) fy = 60,000 p.s.i. Steel Pile fb = 9,000 p.s.i.

For Pre-stressed Birder Stresses see sheet No.5 Bearings 60 durometer neoprene pads. No direct payment was made for furnishing, installing, cleaning and putning of bracing at-intermediate bents.

All joint filler did meet the requirement of Std. Spec. 1057.2.4. Minimum clearance to reinforcing steel was

12"unless otherwise shown.

The test system for spoxy coated reinforcing as specified in Sec. 710.3.4 of the Standard Specification were not required on this bridge.

Cost of furnishing, fabricating and installing Neoprene Bearing Pads complete in place, wes paid for at the contract unit price for Plain Neoprene Bearing Pads per each.

FINAL	C QUANTI	TIES		
ITEM		SUBSTR.	SUPERSTR.	TOTAL
Removal of Bridges (N-501)	Lump Sum	1		1- 4
Structural Steel Piles(10")	Lin. Ft.	632 .		632 -
Class B Concrete	CU.Yd.	38.2 V	1	38.2 - 1
Class B2 Concrete	Cu.Yd.		114.8	114.8
Safety Barrier Curb	Lin.Ft.		269 1	269 1
Plain Neoprene Bearing Pads	Eq.		60 V	60' 1
Prestressed Concrete Dbl. Tee Gdr.(40	Span) Ea.	1	15 Ý	15 0
Reinforcing Steel	<i>LЬ,</i>	2430	5030 1	7.460
Reinforcing Steel (Epoxy Coated)	16.		14080	14080 1
Slab Drains	£α.	1	16 1	16 0
Pile Bint Reinforcement	Ea.	20 1		20 - 1

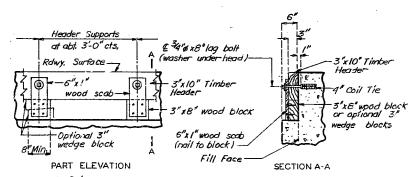
Note: All concrete above lower construction joint in end bents was included with superstructure quantities.

All reinforcement in the end bents was included with superstructure quantities.

Manufactured pile point reinforcement were used on all piles in this structure. See Special Provisions. Cost of any required excavation for bridge was included in contract unit price for other items.

PILE	DATA	<u> </u>		\
BENT NO.	i V	·2 V	3	4 ^V
Pile Type and size	HPIOx42	HPIOX42	HPIOx42	HPIOXAR
Number	5 \	.5 \	. 5 .	5
In Place Length Ft.	32-34	31-33	30-33	30 1
Design Bearing Tons	. 38	48	48	38
Hammer Energy required Ft.Lbs	8600	11200-	.11200	8600

Minimum energy requirement of hammer based on plan length and design bearing value of piles. All pile were driven to practical refusal.



Note: Cost of timber headers complete in place wes included in contract unit price for concrete. DETAILS OF TIMBER HEADER AT END BENTS

DETAILED NOV. 1982 CHECKED NOV. 1982

sheet No. 2 A of 9

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