Cap Details shown are for informational purposes only and are to be used in a comprehensive Bridge Pier analysis and design by an Oklahoma Registered Professional Engineer.

Analysis of Bridge Pier shall account for, but is not limited to, eccentricity of live loads and application of collision forces (if necessary).



TABLE OF ROLLED BEAM SPAN COMBINATIONS ACCOMODATED BY 6" STEPPED PIER CAP SHALLOW BEAM SPAN SPAN SPAN 30' 55' thru 100' 35' 65' thru 100' 40' 65' thru 100' 45' 65' thru 100' 50' 100'	_								
ABLE OF LLED BEAM COMBINATIONS DMODATED BY PPED PIER CAP BEAM SPAN 55' thru 100' 65' thru 100' 65' thru 100' 65' thru 100'		50'	45'	40'	35'	30'	SHALLOW BEAM SPAN	RO SPAN ACCO 6" STE	_
		100'					DEEP BEAM SPAN	COMBINATIONS COMBINATIONS DMODATED BY PPED PIER CAP	TARIF OF

TYPE B	ТҮРЕ П	SHALLOW BEAM	ACCOMODATED BY 6" STEPPED PIER C	TABLE OF PRECAST BEAM TYPE COMBINATIONS	
TYPE C	TYPE 皿	DEEP BEAM	ACCOMODATED BY 6" STEPPED PIER CAP	TABLE OF \ST BEAM TYPE)MBINATIONS	

2 - P2 #4 @ 12" (Each Low Pedestal)

5 - P1 #4 Equally Spaced (Each Low Pedestal)

†		
	1'-3 1/2"	ROLLED BEAM 75' thru 100' SPANS
	1'-0"	ROLLED BEAM 30' thru 70' SPANS
	1'-1 1/2"	TYPE C PRECAST BEAM
	1'-1 1/2"	TYPE III PRECAST BEAM
	11 1/2"	TYPE B PRECAST BEAM
2'-9"	11 1/2"	TYPE II PRECAST BEAM
٧	А	BEAM TYPE
	N A	SCHEDULE FOR DIMENSION A

- P3 #4 Equally Spaced (Each High Pedestal)

90°

1/2"ø Anchor Bolts (Each Pedestal)

D D

9"9"

2'-0" 2'-0"

4'-0" Minimum Тур.

2'-3" 2'-3" Тур.

Typical

- P4 #4 Equally Spaced (Each High Pedestal)

ℚ Roadway

11'-4"

5'-8"

5'-8"

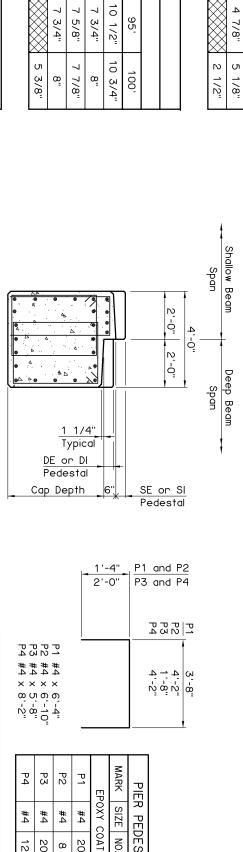
11'-4"

2'-9"

Precast Beams Rolled Beams

Precast Beams Rolled Beams

39'-6"



_		
OTF:	THR.	TYPICAL
	J CAP	SECTION
		12

NOTE: Dimension DI is

4

7/8

for

all Rolled Beam Spans.

SCHEDULE FOR

PEDESTAL DIMENSION FOR

PRECAST

BEAMS

Æ νī

₽

SHALLOW BEAM

TYPE B TYPE II

TYPE C TYPE 田 DEEP BEAM

4 3/4"

2 1/2"

5 1/4" 4 3/4"

1/2" \vec{b}

1/4"

45 40 35 30'

6 1/2" ത

6 7/8"

6 1/2" 6 3/8" 6 1/2"

თ

7/8" 3/4"

7 1/4"

7 5/8"

တ

1/8"

1/2"

6 1/2" 9 1/4"

6 7/8" 6 3/4"

> 6 7/8" 9 5/8"

7 1/4"

7 5/8" 10 3/8"

<u>1</u>

9 5/8" 70

9 1/4"

75

80

85

90

3/8"

50

NOTE: Dimension

ΡE <u>s</u>

for all Rolled Beam Spans.

SCHEDULE FOR PEDESTAL DIMENSION SI FOR

ROLLED BEAMS

DEEP BEAM SPAN

50

45

40 35 30'

3 1/2" 3 5/8"

3 7/8"

3 1/2"

3 7/8"

5/8"

4

3 5/8"

4

4 4 1/4" 4

3/8"

4 3/4"

4 5/8"

SHALLOW BEAM SPAN

6 5/8" 55

60

65<u>-</u>

SHALLOW BEAM SPAN

SCHEDULE FOR PEDESTAL DIMENSION SE FOR ROLLED BEAMS

DEEP BEAM SPAN

3/4" 55

4 1/8"

6 3/8"

6 3/4"

6 3/8"

6 3/4"

4

3 5/8"

4

3/8" 1/8" 85

3/4" 1/2" 90'

4 7/8" 4 3/4"

> Ŋ 7 7/8"

1/8"

٥

ELEVATION

5/8" 95

100'

DE SE

DI

SI

SI

DI

SE

DE

6"

(= =

Cap Depth

P Bars (Each High Pedestal)

PLAN

WORKING POINT (Centerline Pier)

P Bars (Each Low Pedestal)

60 '

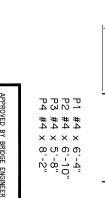
<u>წ</u>

70'

75

80'

Cap reinforcing shown is for illustration only.



Р4	Р3	P2	P1	EP	MARK	PIE	
#4	#4	#4	#4	охү с	SIZE NO.	R PEI	
12	20	8	20	OATED		DEST	
BNT.	BNT.	BNT.	BNT.	EPOXY COATED REINFORCING	FORM	PIER PEDESTAL BAR LIST	
8'-2"	5'-8"	6'-10"	6'-4"	ORCING	LENGTH	R LIST	

)VED
	ВΥ
	OVED BY BRIDGE ENGINEER
욷	ENGIN
AHO BRI	EER
DGE 1	1
EPT. STA	Se P
NDAF	R
ᅙᇽ	17
ANSP(Park a
DRTAT ISH)	20/
NOI	DATE
	OKLAHOMA DEPT. OF TRANSPORTATION BRIDGE STANDARD (ENGLISH)

STI

8/29/03