PILE BENT NOTES:

THESE PIER BENTS ARE DESIGNED FOR USE IN LOCATIONS WHERE ICE AND DRIFT CONDITIONS ARE NOT SEVERE.

FOR DETAILS OF TRESTLE PILES, SEE STANDARD PIOL.

MINIMUM CLEAR DISTANCE FROM FACE OF CONCRETE TO NEAR REINFORCING BAR SHALL BE 2 INCHES UNLESS OTHERWISE NOTED OR SHOWN.

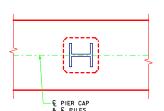
PIER PILES SHALL BE DRIVEN TO VALUES SHOWN IN DESIGN PLANS.

	RI	EINFO	RCING	В	٩R	LIS	T	ΑN	D E	S1	ГΙМ	ATE	D	QU	ANT	11	:IES	5 -	Pl	ΞR	PIL	Ε	BEI	TV
				7	PILE	BENT	8	PILE	BENT	9	PILE	BENT	10	PILE	BENT	- 11	PILE	BENT	12	PILE	BENT	13	PILE	BENT
	BAR	LENGTH	SHAPE	NO.	SIZE	WEIGHT																		
	al	43'-8		8	9	1188	8	9	1188	8	9	1188	8	9	1188	8	9	1188	8	9	1188	8	9	1188
	a2	43'-8		4	8	466	4	8	466	4	8	466	4	8	466	4	8	466	4	8	466	4	8	466
	ы	43'-8		4	10	752	4	10	752	4	10	752	4	10	752	4	10	752	4	9	594	4	9	594
	5cl	12'-8		42	5	555	49	5	647	56	5	740	65	5	859	72	5	951	57	5	753	62	5	819
	8el	8'-1		4	8	86	4	8	86	4	8	86	4	8	86	4	8	86	4	8	86	4	8	86
①	REINFORCING STEEL (LB.)		3047		3139		3232		3351		3443			3087			3153							
- 1	STRUCTURAL CONCRETE (CY)		PILE TYPE																					
			3	18.1			18.1			18.1			18.1			18.1			18.1			18.1		

NOTE: THE REINFORCING STEEL QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE CONCRETE QUANTITY IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.

NOTE: THE PILE TYPE IS TO BE INCLUDED ON THE SUMMARY QUANTITIES SHEET IN THE PLAN.



PILE ORIENTATION DETAIL FOR TYPE 3 TRESTLE BENT PILES



5cl

NOTE: ALL DIMENSIONS ARE OUT TO OUT.D=PIN DIAMETER.

	FRICTION OR	POINT E	BEARING PILING									
€-€ ABUTMENT	PIOL TYPE 3											
BEARING	NUMBER OF TRESTLE PILES	PILE SIZE	② LRFD Pu, STRENGTH I, DES.LOAD (KIPS)									
160′-0	7	HP14×73	174									
100 0	7	HP14×89	174									
180′-0	8	HP14×73	166									
100 0	7	HP14×89	189									
200'-0	8	HP14×73	179									
200 0	7	HP14×89	205									
220′-0	9	HP14×73	174									
220 0	7	HP14×89	224									
240′-0	10	HP14×73	171									
240 -0	8	HP14×89	214									
260′-0	10	HP14×73	185									
260 -0	9	HP14×89	206									
280′-0	Ш	HP14×73	181									
280 -0	9	HP14×89	221									
300′-0	12	HP14×73	178									
300-0	10	HP14×89	214									
320′-0	13	HP14×73	175									
320 -0	H	HP14×89	207									
340′-0	13	HP14×73	184									
2400	Ш	HP14×89	218									

- $\stackrel{\textstyle \bigcirc}{\textstyle \cup}$ SEE SHEET RS40-167-14 FOR STEP REINFORCING STEEL QUANTITIES AND DETAILS.
- ② NOTE: PU, STRENGTH I DESIGN LOAD (KIPS) IS NOT THE VALUE USED IN THE FIELD FOR DRIVING PILES.

M. Charles Hormen L. 7. APPROVED BY E



STANDARD DESIGN - 40' ROADWAY, 3 SPAN BRIDGES

ROLLED STEEL BEAM BRIDGES

PILE BENT PIERS HPI4 PILES

RS40-107-14

NOTE: FRICTION BEARING INCLUDES SIDE FRICTION AND END BEARING IN SOIL.
POINT BEARING INCLUDES SIDE FRICTION AND POINT BEARING IN ROCK.