

## TENINO TO PORTLAND.

## TACOMA DIVISION.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
7013-C-31	29-31	10911	Chamfering Rail Ends - between M.P. 47 & 51 and M.P. 77 & 89.
7013-D-31	29-31	10913	Chamfering Rail Ends - between M.P. 115 and 120.
58-A-31	18-31	10963	Relay Curves 100A and 103 - Longview Jct. and Carrolls.
58-B-31	18-31	10964	Relay Curves 108, etc. Kalama.
402-31	49-31	10954	Retire Power Poles, between N. Portland Jct. and E. St. Johns.
437-A-31	55-31	11114	1931 - Tie Plates - Tenino and Kalama.
437-B-31	55-31	11115	1931 - Tie Plates - Kalama and Vancouver.
647-31	88-31	10939	Replace Wolhauper Joints with Angle Bars.
400-31	43-31	11029	Tie Plates - Willbridge to Portland.
928-B-31	63-31	11133	1931 - Culvert Work - Wabash and Napavine.
928-C-31	63-31	11065	Ridgefield - Extend Culvert M.P. 122+2636.
6000-A-31	9-31		Vader Jct. to Longview Jct. Purchase 1/4 interest in L.P.&N.Ry.
6000-B-31			Longview Jct. Purchase 1/4 interest of L.P.&N. interchange tracks.
132-A-32	41-32	11264	Winlock - Relay Curve No. 71. ( Cancelled )
132-B-32	41-32	11419	Relay Curves between Woodland and Knapp. ( Cancelled )
206-A-32	4-32	11317	1932 - Tie Plates - between Tenino and Kalama.
206-B-32	4-32	11318	1932 - Tie Plates - between Kalama and Vancouver.
212-A-32	13-32	11330	1932 - Tie Plates - between Chehalis Jnt. and Olequa.
243-32	16-32	11475	1932 - Tie Plates - between Willbridge and Portland.
212-B-32	13-32	11331	1932 - Tie Plates - between Longview and Olequa.
149-D-33	34-33	11528	1933 - Tie Plates - between Vader Jct. & Longview Jct. L.P. & N. RY.
160-H-33	33-33	11562	1933 - Tie Plates - between Tacoma and Kalama.
160-I-33	33-33	11563	1933 - Tie Plates - between Kalama and Vancouver.
214-B-33	36-33	11463	1933 - Bridge and Culvert - between Tenino and Vancouver Jct.
214-D-33	36-33	11464	1933 - Bridge and Culvert - between Kalama and Vancouver.
506-A-33	124-33	11575	1933 - Rail Anchors - between Chehalis and Ostrander.
126-B-34	29-34	11669	1934 - Bridge Work - between Tenino and Kalama.
126-C-34	29-34		Ridgefield - Replace Culvert and M.P. 123+160 .



## TACOMA TO PORTLAND

## TACOMA DIVISION.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
137-C-31	Tel.Dep't.	10910	Heavy Repairs & Reconstruction of Tel.Line - Ruston to Tenino.
7013-A-31	29-31	10910	Chamfering Rail between M.P. 5 & 5 $\frac{1}{2}$ - First District.
7013-B-31	29-31	10914	Chamfering Rail between M.P. 5 $\frac{1}{2}$ & 7 - " "
7013-C-31	29-31	10911	Chamfering Rail between M.P. 37 $\frac{1}{2}$ & 40 - Prairie Line.
7013-E-31	29-31	10912	Chamfering Rail between M.P. 32 & 37 $\frac{1}{2}$ - " "
439-I-31	51-31	11125	1931 - Tie Plates - Pt. Defiance Line ( Cancelled )
435-31	53-31	11110	1931 Tie Plates - Lakeview to Tenino - (Prairie Line )
436-B-31	54-31	11112	1931 - Tie Plates - Tacoma to Tenino. ( Joint )
436-C-31	54-31	11113	1931 - Tie Plates - Fort Lewis to Nisqually. ( Cancelled )
928-A-31	63-31	11135	Ketron - Build Culvert Well at M.P. 18+3462.
66-G-32	31-32	11146	Tacoma Division ; Steel Hand Hoist for B & B Department.
207-B-32	5-32	11320	1932 - Tie Plates - between Lakeview and Tenino.
209-B-32	7-32	11325	1932 - Tie Plates - between Tacoma and Tenino. Val.Sec. 31.
160-E-33	33-33	11559	1933 - Tie Plates - between Tacoma and Tenino.( Pt.Defiance Line )
160-H-33	33-33	11562	1933 - Tie Plates - between Tacoma and Kalama. ( Prairie Line )
160-G-33	33-33	11561	1933 - Tie Plates between Tacoma and Tenino. ( Prairie Line )
214-C-33	36-33	11478	1933 - Bridge and Culvert - between Tacoma and Tenino.(Pt.Defiance Line)
234-L-33	64-33	11399	Rip Rap; between McCarver St. and Ketron.
126-A-34	29-34	11874	1934 - Bridge Work - between Tacoma and Tenino. Val.Sec. 31
194-34	3-34	11674	Kelso - Relay Curve 98, North Bound Track.
198-34	13-34	11787	Relay S.B. Main Track M.P. 51+2640 to M.P. 54+2640 - between Wabash and Centralia.
192-34	1-34		Vancouver Jct; Relay Curve 131, South Bound Track.
200-C-34	16-34	11864	1934 - Tie Plates - Prairie Line.
200-D-34	16-34	11865	1934 - Tie Plates - between Tenino and Kalama.
200-E-34	16-34	11866	1934 - Tie Plates - between Kalama and Vancouver.
200-I-34	16-34	11870	1934 - Tie Plates - between Tacoma and Tenino. Val.Sec. # 31.
239-34	49-34	11875	Between Tacoma and Nisqually; RipRap M.P. 7 to M.P. 21
449-34	122-34	11858	Rip Rap and Bank Protection between Tacoma and Nisqually.

TACOMA TO PORTLAND.

## TACOMA DIVISION.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
462-A-34-B	117-34	11790&11791	Place Rip Rap & Restore Embankment between Tenino and Vancouver Jct.
447-34	115-34	11676	Curtain Walls in Concrete Arch at M.P. 26+670' - Nisqually.
461-34	114-34	11697	Temporary washout Bridge and additional concrete pipe culvert-Nisqually.
449-34	122-34	11858	Rip Rap and Bank Protection between Tacoma and Nisqually.
51-35	Tel.Dep't. # 10-35		Abandon Telephone wires & equipment;between Vader Jct. and Longview.
58-	A/B Tel.Dep't. 1-35		Install Telephone Selectors between Chehalis and Kalama.
123-D-35	17-35	12112	1935 - Tie Plates - between Tenino and Kalama.
123-E-35	17-35	12113	1935 - Tie Plates - between Kalama and Vancouver.
123-J-35	17-35	12118	1935 - Tie Plates - between Tacoma and Tenino.
141-A-35	24-35	11979	Ridgefield - Relay Curve # 119. EW
141-B-35	24-35	11980	Ridgefield - Relay Curve # 122.
143-A-35	26-35	12179	Napavine - Relay Curve # 63.
143-B-35	26-35	12180	Winlock - Relay Curve # 69 .
143-C-35	26-35	12181	Winlock - Relay Curve # 71.
143-D-35	26-35	12243	Vader - Relay Curve # 76.
143-E-35	26-35	12237	Castle Rock - Relay Curve # 89.
143-F-35	26-35	12244	Ostrander - Relay Curve # 93.
188-D-35	41-35	12259	1935 - Bridge Work - Tenino to Kalama.
188-E-35	41-35	11935	1935 - Bridge Work - Kalama to Vancouver Jct.
188-F-35	41-35	12255	1935 - Bridge Work - Tacoma to Tenino.
317-35	31-35	12223	Move Depot from Olequa, move Operators Building to Longview Jct. Changes in signals and construct crossover, Vader Jct. Move Depot to Vader Jct. Construct shelter shed, remove connection to old L.P.&N.Ry. Remove cross over and change signals; Olequa. Move operators building from Vader Jct. Remove crossover at M.P. 101; remove tail track north of Wye and change signals at Longview Jct.
413-35	98-35	11991	1932 & 1933 - Tie Plates.
112-36	7-36	12633&12634	Kalama to Woodland;Relay MT - M.P. 106+00 to M.P. 112+2240.
114-A-36	9-36	12316	Centralia - Relay Curve 53-B
114-B-36	9-36	12317	Centralia - Relay Curve 54
114-C-36	9-36	12318	Chehalis - Relay Curve 57

TACOMA TO PORTLAND.

TACOMA DIVISION.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
114-D-36	9-36	12319	Chehalis - Relay Curve 61.
114-E-36	9-36	12319	Napavine - Relay Curve 62.
114-F-36	9-36	12319	Napavine - Relay Curve 62-A.
114-G-36	9-36	12320	Napavine - Relay Curve 64.
114-H-36	9-36	12319	Evaline - Relay Curve 69.
114-I-36	9-36	12319	Winlock - Relay Curve 70.
114-J-36	9-36	12319	Winlock - Relay Curve 71-A.
114-K-36	9-36	12319	Vader - Relay Curve 76-A-36
114-L-36	9-36	12321	Castle Rock - Relay Curve 89. E.W.
115-A-36	10-36	12322	Ridgefield - Relay Curve 123.
115-B-36	10-36	12322	Ridgefield - Relay Curve 123-A.
115-C-36	10-36	12323	Vancouver Jct. - Relay Curve 132. E.W.
115-D-36	10-36	12324	Vancouver Jct. Relay Curve 133. E.W.
116-36	11-36	12334	Nisqually - Relay Curve 24-A.
183-H-36	19-36	12389	1936 - Tie Plates - between Kalama and Vancouver.
184-D-36	20-36	12416	1936 - Tie Plates - between Tenino and Kalama.
184-E-36	20-36	12416	1936 - Tie Plates - between Kalama and Vancouver.
184-K-36	20-36	12423	1936 - Tie Plates - Between Tacoma and Tenino. ( Joint )
201-A-36	44-36	12632	Relay Rail in Main Track - between Tenino and Kelso.
201-B-36	44-36	12325	Relay Rail between M.P. 122+5054 and M.P. 123+5167, at Ridgefield.
7000-A-C-	49-36	12368-69-70	Patch Ballast between Tacoma and Vancouver.
7001-36	50-36	12371	Ballast test sections between Tenino and Wabash.
123-A-36	26-36	12205	Rip Rap account of highwater, Tenino to Kalama.
203-36	48-36	12374	Reballast M.P. 55 to M.P. 78 between Centralia and Vader.
204-A-36	47-36	12366	Reballast M.P. 2 to M.P. 5 $\frac{1}{2}$ between Tacoma and Steilacoom.
204-B-36	47-36	12367	Reballast M.P. 9 to M.P. 11 between Tacoma and Steilacoom.
166-D-36	32-36	12930	1936 - Bridge Work - between Tenino and Kalama.
166-H-36	32-36	12532	1936 - Bridge Work - between Tacoma and Tenino.
748-36	168-36	13720	Standardize Highway Crossing Signs at Various Locations.

TACOMA TO PORTLAND

A.F.E	E.D.	F.C.R.	TACOMA DIVISION. 3rd. Sub-Division. DESCRIPTION.
23-37	10-37		Between Tenino and Kalama Repair Telegraph Line.
75-37	12-37	12685	Rail Anchors - between Centralia and Chehalis.
123-A-37	16-37	12721	Relay Curve # 51, between Tenino and Chehalis.
123-B-37	16-37	12722	Relay Curve # 54-A between Tenino and Chehalis.
128-A-37	21-37	12654	Relay Curve # 108 between Kalama and Vancouver.
128-B-37	21-37	12655	Relay Curve # 120 EW between Kalama and Vancouver.
128-C-37	21-37	12656	Relay Curve # 126 EW " " " "
128-D-37	21-37	12657	Relay Curve # 131-A EW " " " "
128-E-37	21-37	12658	Relay Curve # 136 EW " " " "
244-D-37	27-37	12827	1937 - Tie Plates - Tenino to Kalama.
244-E-37	27-37	12828	1937 - Tie Plates - Kalama to Vancouver.
292-C-37	53-37	12712	1937 - Bridge Work - Tenino to Kalama.
244-J-37	28-37	12833	1937 - Tie Plates - Tacoma to Tenino. ( Joint User )
292-E-37	53-37	12798	Replace Culverts - Tacoma to Tenino.
292-C-37	53-37	12712	1937 - Bridge Work - Tenino to Kalama.
7007-37	65-37	12726	Washed Sand Ballast - St.Clair to Tenino.
334-37	72-37	12699	Reballast M.P. 132 $\frac{1}{2}$ to 136 $\frac{1}{2}$ - Felida to Vancouver.
335-37	74-37	12727	Reballast M.P. 16+3000' to M.P. 21+3262' - Steilacoom to Nisqually.
461-37	85-37	12719	Rail Joint Shims - Tenino to Kalama, placed between Black River and Kent.
693-37	142-37	13029	Rip Rap ; between Tacoma and Nisqually.
773-37	190-37	12862	1935 and 1936 Tie Plates - between Willbridge and Portland.
152-38	52-38	13011	Relay Rail - between North Portland and Willbridge.
184-38	54-38	12996	Relay Rail - between North Portland and Willbridge.
7000-A-38	59-38	13093	Washed Sand Ballast - between Kelso and Ridgefield.
7000-B-38	59-38	13094	Washed Sand Ballast - between Kelso and Ridgefield.
195-38	68-38	13126	Rebuild Bridge 102.1 - Carrolls Spur.
284-38	16-38	13069	Relay Curves 2 and 2A - Tacoma.
285-38	17-38	13096	Relay Curves 15B, 25A, and 28 - Steilacoom and St.Clair.
286-38	18-38	13097	Relay Curves 89A, 91, 92, 92A, 100 - Castle Rock to Longview Jct.

John C. Moore Corporation, Rochester, N. Y. Blower and hules in leaves patented.



TOWN SHIRO

## TACOMA DIVISION.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
297-C-38	65-38	13169	1938 - Bridge Work - Tenino to Kalama.
297-D-38	65-38	13123	Rebuild Bridge 128 at Knapps Spur.
297-F-38	65-38	13460	1938 - Bridge Work - Tacoma to Tenino.
320-38	94-38	13134	Install Slide Detector Fence - Ridgefield and Felida.
69-39	3-39	13763	Relay Main Track between Woodland and Vancouver; EB Main M.P. 119+503 to M.P. 136+1207. WB 119+502 to 119+1360.
79-39	14-39	13497	Relay Curves Bucoda to Kelso # 46 WB, 51-A WB, 52 WB, 52-A WB, 52-B WB, 53 WB, 53-A WB, 92 WB, 94-A EB.
77-39	12-39	13455	Relay Curves in Tacoma - 1, 1-A, 1-B, 1-C, 1-D, all WB Track.
81-39	16-39	13340	Relay Curves Steilacoom to East Olympia - 15-A WB, 16 EB and 34 WB.
180-D-39	35-39	13402	1939 - Tie Plates - between Tenino and Kalama.
180-E-39	35-39	13403	1939 - Tie Plates - between Kalama and Vancouver.
180-K-39	35-39	13409	1939 - Tie Plates - between Tenino and Tacoma via Point Line.
116-E-38		13189	1938 - Tie Plates.
117-D-38		13190	1938 - Tie Plates - between Tenino and Kalama.
117-E-38		13190	1938 - Tie Plates - between Kalama and Vancouver.
117-K-38		13190	1938 - Tie Plates - between Tacoma and Tenino.
262-39	30339	13317	Ballast Curves 15-A WB, and 16 EB at Steilacoom.
263-A-39	41-39		Tie Plates on Bridges 3 and 3.1 - Tacoma.
263-C-39	41-39	13820	1939 - Bridge Work - Tenino to Kalama.
263-F-39	41-39	13473	1939 - Bridge Work - Tacoma to Tenino.
7007-39	33-39	13310	Washed Sand Ballast M.P. 87 to M.P. 97 - Castle Rock to Kelso.
7008-39	34-39	13528	Patch Ballast Tacoma Division.
309-39	73-39	13197	1938 - Tie Plates - between Willbridge and Portland.
358-39	55-39	13678	Rebuild Bridge # 104 at Carrolls.
589-A-B-C-39	Tel. Dep't.		Repair and replace Telegraph Line from South 15th. St. Tacoma to Tenino.
24-40	144-39	13911	Additional and Replacement RipRap between Nelson Bennett Tunnel and Nisqually.
133-40	17-40	13762	Relay Curves in Tacoma - Curve 3 EB, 3 WB, #4 WB.



## TACOMA DIVISION      MAIN LINE      THIRD SUB DIVISION

TACOMA TO PORTLAND

A.F.E.	E.D.	F.C.R.	DESCRIPTION
135-40	19-40	13756	Relay Curves # 91 EB, and 95 EB - Castle Rock to Kelso.
138-40	25-40	13922	Relay Curves between Tacoma and St.Clair.(Request to St.Paul for Chart 10-3-4
180-40	47-40	13917	Additional and Replacement Rip Rap between Nelson Bennett Tunnel & Nisqually.
165-D-40	11-40	13695	1940 - Tie Plates - Between Tenino and Kalama.
165-E-40	11-40	13695	1940- Tie Plates - between Kalama and Vancouver.
165-K-40	11-40	13695	1940 - Tie Plates - between Tacoma and Tenino.
256-40	39-40	13731	Ballasting - between Tacoma and Steilacoom.
7005-40	26-40	13665	Washed Sand Ballast, M.P. 21+3262 to M.P. 28+00 - Ketron to St.Clair.
7006-40	27-40	13666	Washed Sand Ballast, Plumb and Tenino.
7006-40	27-40	13667	Washed Sand Ballast, Plumb and Tenino.
7007-40	28-40	13668	Washed Sand Ballast, M.P. 47+2083 to M.P. 55+00.
7008-40	29-40	13669	Washed Sand Ballast, M.P. 97+00 to M.P. 99+4200.
7009-40	30-40	13670	Washed Sand Ballast, M.P. 119+500 to M.P. 132+2438.
275-D-40	48-40	13832	1940 - Bridge Work - Tacoma to Tenino and Kalama.
275-E-40	48-40	13750	1940 - Bridge Work - Kalama to Vancouver.
275-H-40	48-40	13909	1940 - Bridge Work - Tacoma to Tenino.
95-41	1-41	14012	Relay Westbound Main Track between Bucoda and Centralia.
96-41	2-41	13988	Relay Eastbound Main <del>Track</del> /Track between Martins Bluff and Ridgefield.
98-41	5-41	14140	Relay Curves on Bayside Line in Tacoma.
99-41	6-41	14387	Relay Curves on Main Track between Tacoma and Nisqually.
100-41	7-41	14168	Relay Curves on Main Track between Ostrander and Longview Jct.
101-41	8-41	14285&14320	Relay Curves on Main Track between Willbridge and Portland.
177-A-41	19-41	14141	Ballasting between Tacoma and Tenino.
177-B-41	19-41	13771	Ballasting between Steilacoom and Nisqually.
7003-41	15-41	14010	Washed Sand Ballast between Vader and Castle Rock.
243-D-41	28-41	14017	1941 - Tie Plates - between Tenino and Kalama.
243-G-41	28-41	14017	1941 - Tie Plates - between Tacoma and Tenino.
324-A-41	54-41		Improve Automatic Signals - Tenino to Kalama.
324-B-41	54-41		Improve Automatic Signals - Kalama to Vancouver.



## TACOMA DIVISION.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
327-E41	37-41	14160	Renew portion of Bridge 53 at Centralia.
342-41	58-41	13856	Tie Plates - between Willbridge and Portland.
401-41	64-41	14028	Relay Westbound Main Track between Napavine and Winlock.
402-41	66-41	13987	Relay Eastbound Main Track between Castle Rock and Kelso.
433-41	72-41	14027	Bank Widening and Ballasting between Napavine and Winlock.
694-A-D-41	Tel. Dep't. # 26		String 2 No. 9 Copper Wires.
696-A-C-41	Tel. Dep't. # 28		Erect a No. 9 copper wire between Tacoma, Tenino and Centralia.
50-42	6-42	14178	Relay Curves between Kalama and Woodland.
51-42	7-42	14179	Relay Curves between Napavine and Kalama.
52-42	9-42	14556	Ballasting between Kalama and Woodland.
53-42	10-42	14661	Ballasting between Napavine and Kalama.
54-42	13-42	14068	Tie Plates - between Willbridge and Goble.
55-42	14-42	see Argo	Changes in Interlocking plant at Argo.
65-42	16-42	14597	Ballasting and Bank Widening between Castle Rock and Kelso. W.W. Main.
66-42	8-42	14180	Relay West Bound Main between Castle Rock and Kelso.
82-42	11-42	14185	Ballasting between Steilacoom and Nisqually.
110-42	26-42	14257	Ballasting Eastward and Westward Tracks, M.P. 140+411' and 143+3868' - Willbridge to Portland.
111-42	24-42	14285	Relay Main Tracks between Willbridge and Portland.
323-H-42	76-42	14303	1942 - Bridge Work.
321-E-42	61-42	14222	1942 - Tie Plates - between Kalama and Tenino.
321-F-42	61-42	14222	1942 - Tie Plates - between Kalama and Vancouver.
321-N-42	61-42	14222	1942 - Tie Plates - between Tacoma and Tenino.
542-42	94-42	14800	Reinforce Bridges # 51, Wabash. # 93.3, Ostrander. #105.1, Kalama.
690-D-42	155-42	14282	Remove Guard Rail from Bridge 93.3.
690-F-42	155-42	14284	Remove Guard Rail from Bridges at Steilacoom and Plumb.
715-42	18-42		Repair and Replace Telegraph Line between Centralia and Kalama.
716-42	19-42		Repair and Replace Telegraph Line between Kalama and Vancouver.



## TACOMA DIVISION.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
294-A&B-43	23-43	14600&14601	Bank Widening and Ballasting between Kelso and Kalama.
202-E-43	45-43	14527	1943 - Tie Plates - between Tenino and Kalama.
202-L-43	45-43	14534	1943 - Tie Plates - between Tacoma and Tenino.
190-43	81-43		Renew Bents Bridge 91.1 at Castle Rock.
191-43	83-43	14574	Redrive Bents Bridge 104.1 at Carrolls.
256-A&B-43	24-43	14348-14349	Relay West Bound Track between Kelso and Kalama.
262-43	88-43	14358	Relay Curve 24.-A at Nisqually.
296-D-43	67-43	14489	Fill Highway Trestle at M.P. 107+987 at Kalama.
656-43	51-43	14764	Relay East Bound Main Track between Chehalis Jct. and Napavine.
657-A-43	167-43	14684	Relay Westbound Main between East Olympia and Tenino.
657-B-43	167-43	14685	Relay Westbound Main between East Olympia and Tenino.
671-43	176-43	14865	Relay Westbound Main between Winlock and Vader.
694-A-43	179-43	14469	Rail Anchors - between Kelso and Castle Rock.
211-C-44	11-44	14734	Tie Plates - between Tenino and Kalama.
211-F-44	11-44	14737	Tie Plates - between Tacoma and Tenino.
254-A&B-44	6-44	14915&14916	Relay Curves between Tacoma and Tenino.
255-A&B-44	8-44	14789&14790	Relay West Bound Main Track in Nelson Bennett Tunnel.
257-A&B-44	22-44	14686&14687	Relay East Bound Main Track between East Olympia and Tenino.
300-I-44	66-44	14668	Rip Rap at M.P. 19 near Ketron.
386-A&B-44	83-44	14913&14914	Relay EW and WW Main Track between Mc Carver St. and Nisqually.
448-C-44	85-44	15423	Ballasting on Curves - Tacoma.
448-D-44	85-44	15065	Ballasting on Curves - Tenino to Kalama.
448-E-44	85-44	14976	Ballasting on Curves - Nelson Bennett Tunnel to Tenino.
444-A-44	79-44		Bank Widening and Ballasting - East Olympia to Tenino.
445-44	81-44	15102	Bank Widening and Ballasting - Winlock and Vader.
446-44	82-44	15096	Bank Widening and Ballasting - Chehalis to Napavine.
447-A-44	84-44	15013	Ballasting E & W Main Line between Mc Carver St. and Nisqually.
447-B-44	84-44	15014	Ballasting E & W Main Line between Mc Carver St. and Nisqually.



## TACOMA DIVISION.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
479-44	105-44	14773	Remove Bridge # 83 at Castle Rock.
46-45	5-45	14904	Replace 75' TPG with 2-38' Girder Beams - Bridge 51.
55-B-45	10-45	14826	Rail Anchors - Tacoma to Portland.
78-45	7-45	14941	Rebuild Bridge 93.2 at Ostrander.
165-45	29-45	14827	Fill Bridge # 88 on 24" RCP - Castle Rock.
304-45	70-45	14845	Relay East and West Bound Main Track thru Tacoma.
305-45	71-45	14859	Relay West Bound Main Track Kalama to Woodland.
360-45	85-45	15003	Ballasting between Kalama and Woodland.
361-45	86-45	14947	Ballasting Depot to Ruston - Tacoma.
367-A-45	94-45	15072	Bank Widening - Kelso to Kalama.
367-B-45	94-45	15073	Bank Widening - Kelso to Kalama.
368-45	95-45	14920	Bank Widening - Tenino to Bucoda.
424-D-45	97-45	14972	Renew Bridge 3.1 Tacoma, RCP at M.P. 7+3500 at Ruston.
424-E-45	97-45	15444	Renew M.P. 87+4250 and Rebuild Bridge 93.2 - Castle Rock. Renew Bridge 99 at Kelso.
424-O-45	97-45	15338	Renew M.P. 37+4142 - Plumb.
487-B-45	101-45	14994	Tie Plates - Tenino to Kalama.
514-45	130-45	14977	Rip Rap above Bridge 25 at Nisqually.
679-45	172-45	15004	Ballasting between Kalama and Woodland.
753-45	171-45	14951	Bank Widening M.P. 27+ to M.P. 34+ - Nisqually.
855-45	224-45	15008	Bank Widening - Ridgefield to Vancouver.
856-45	226-45	15026	Ballasting and Bank Widening - Napavine to Winlock.
250-B-46	35-46	15240	Tie Plates - Tenino to Kalama.
240-46	50-46	15075	Ballasting at Ostrander Tunnel.
242-46	57-46	15389	Ballasting at M.P. 45 to 46 - Bucoda.
245-46	48-46	15228	Ballasting at M.P. 132 - 136 - Felida to Vancouver.
246-46	55-46	15397	Ballasting at M.P. 119 to 122 - Ridgefield.
247-46	63-46	15609	Ballasting at M.P. 114 to 120 - Woodland to Ridgefield.

## TACOMA DIVISION.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
307-A-B-C-46	31-46	15426-15474-15454	Relay Curves between Tacoma and Portland. (Cancelled)
308-46	86-46	15171	Relay E.B. Main thru Nelson Bennett Tunnel.
511-46	122-46	15631	Rebuild and Extend Bridge 128 near Knapp.
611-46	158-46	15252	Relay Main Track M.P. 45+3346 to M.P. 47+2733.
603-G-46	149-46	15453	Renew Bridge 53 at Centralia.
833-46	212-46	15273	Relay W.B. Main Track M.P. 24+2908 to 33+4332 with 112 # Rail.
113-47	20-47	15251	Relay Main Track M.P. 43+2946 to 45+3346 - Tenino Jct. to Bucoda.
110-A-47	15-47	15495	1946 - Rail Anchors.
110-B-47	15-47	15496	1946 - Rail Anchors.
179-47	33-47	15302	Relay E.B. and W.B. Main Track between Vader Jct. and Castle Rock.
268-47	36-47	15561	Relay Curves # 53-A, 53-B, 87, and 101 EB. and 87 WB.
310-C-47	32-47	15910	Tie Plates - Tenino to Kalama.
375-47	58-47		Ballasting M.P. 43+3168 to M.P. 45+3345 at Bucoda.
430-D-47	63-47	15390	Kalama-place Riprap at MP 110+4200. Felida-place riprap at M.P. 130+4999'
430-N-47	63-47	15523	Ruston - Fill Bridge # 8, on RCP.
383-47	73-47	15632	Ballasting - Ridgefield to Vancouver Jct.
423-47	86-47	15736	Install Automatic Highway Crossing Signals between Kalama and Woodland.
560-47	59-47	15650	Ballasting between Vader and Castle Rock.
751-47	162-47	15608	Relay W. B. Main Track from Nisqually to East Olympia
878-47	181-47	15659	Bank Widening between Ridgefield and Vancouver.
919-47	185-47	15618	Bank Widening between Nisqually and East Olympia. M.P. 25+2408 & 33+3768
65-48	13-48	16019	Kalama to Ridgefield - Improve 9 Grade Crossings.
179-B-48	17-48	15533	Rail Anchors - Wash. Val. Sec'n. 6
179-C-48	17-48	15534	Rail Anchors - " " " 7
179-D-48	17-48	15558	Rail Anchors - " " " 7
383-48	96-48	15690	Relay W.B. Main with 115# rep. 90# from M.P. 54+1652 to M.P. 58+5225' between Centralia and Chehalis.
419-48	100-48	15740	Relay Main Track between Kelso and Kalama.
452-48	101-48	15901	Relay Main Track between Steilacoom and Nisqually.

## TACOMA DIVISION.

A.F.E.	E.D.	F.C.P.	DESCRIPTION.
453-48	102-48	15748	Relay Main Track between Tacoma and Titlow.
520-D-48	105-48	16423	Bridge # 46, Redrive with Treated Material. 55+1943' Fill on RCP.
520-M-48	105-48	16223	Bridge # 7, Fill on RCP., 11+4685. Replace WB with RCP Bridge # 14. Replace Gas Engine with Electric Motor; M.P. 17+1600' Rip Rap; M.P. 19+5180 Rip Rap. At Plumb extend O.H. Crossing with M.P. 37+5205'.
565-48	124-48	16318	Replace East Approach to Bridge # 93.3 at Ostrander. (this is South End.)
634-48	116-48	15937	Ballasting EB and WB Main Track, Centralia to Chehalis Jct.
651-A-48	141-48	15771	Relay Curves between Tacoma and Portland.
651-B-48	141-48	16021	Relay Curves Between Tacoma and Portland.
763-48	166-48	15815	Relocation of Over head Crossing of Secondary State Highway No. 1-T at Vancouver Jct.
843-48	186-48	16036	Line Change at Carrolls. M.P. 102+103. (see AFE 665-52 Ballast)
797-A&B-48	170-48	15837&15836	Bank Widening and Ballasting between Kelso and Kalama.
798-48	177-48		Fill Bridge # 55 at Centralia.
781-48	164-48	15658	Ballasting between Willbridge and North Portland.
876-48	192-48	15863	Bank Widening and Ballasting between Bucoda and Centralia.
169-49-	28-49	15842	Relay East Bound Main Track between M.P. 55+2650 and M.P. 57+292'.
197-C-49	32-49	15847	Rail Anchors - Tenino to Kalama.
197-D-49	32-49	15848	Rail Anchors - Kalama to Vancouver Jct.
337-A-49	60-49	15882	Relay Various Curves between Tacoma and Portland.
337-B-49	60-49	16242	Relay Various Curves between Tacoma and Portland.
337-C-49	60-49	15927	Relay Various Curves between Tacoma and Portland.
337-D-49	60-49	15893	Relay Various Curves between Tacoma and Portland.
553-M-49	80-49	16083	Renew Stringers, treated, Brg. 14., M.P. 37+5205. Renew portion treated.
474-B-49	71-49		Signal Protection of Main to Main Cross Overs. Titlow, HB 511+28.4 East Olympia. HB 1923+96.0 and 1843+92.6.
474-C-49	71-49		Signal Protection Main to Main Cross Overs. Tenino Jct. HB 2296+03.9 Ostrander. HB 4768+49.7, Rocky Point. HB 4862+40.2
474-D-49	71-49		Signal Protection on Main to Main Cross Overs. Vancouver, HB 7060+41 and 7062+99.



## TACOMA TO PORTLAND

Tacoma Division.

Third Sub-Division

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
553-C-49	80-49	15921	Replace C.I.P. with RCP at M.P. 70+5054'
567-49	100-49	16253	Correction of Drainage Conditions between MP 127+3500' & MP 127+4449'- Knapp.
727-49	151-49	16196	Relay EB Main bet. Bucoda and Wabash & betw. Vader & Castle Rock.
767-49	150-49	16086	Bank Widening and Ballasting MP 64+2640 to MP 65+2640, WB Track.
897-A&B-49	167-49	16111&16112	Modernize Signals between Vancouver and Willbridge.
122-50	26-50	16035	Rip Rap between M.P. 12 and M.P. 18 - Titlow to Nisqually.
155-50	30-50	16230	Relay Main Track between Olequa and Castle Rock.
156-50	31-50	16182	Relay Main Track between Vader and Olequa. M.P. 79+ to 81+ & 82+ WB.
220-50	50-50	16181	Relay Various Curves -Tacoma to Vancouver. +51 WB, 86,89,92 EB.
249-A-50	48-50	16052	Rip Rap; Tacoma to Ketron.
249-B-50	48-50	16053	Rip Rap; Tacoma to Ketron.
273-50	55-50	16145	Bank Widening and Ballasting. EB Main Track M.P.88 to 96.8 CastleRock.
470-B-50	103-50	16197	Replace Inner Guard Rail Bridge 81 near Olequa.
457-E-50	82-50	16502	Redrive S.B. Bridge # 46 and shorten. Redrive Treated Bridge # 90, Farm Crossing. Replace W.B. with RCP -MP. 57+700'. Replace W.B. with RCP - MP. 57+800'. Replace CIP with RCP MP.57+1000'. Remove 16 Lin. Ft. of RCP and place flume, M.P. 79+351'
457-F-50	82-50	16503	Replace CIP & VTP with RCP at M.P. 125+1562'.
457-V-50	82-50	16646	Rip Rap account Sea Wall. Renew Bulkhead Treated, Replace Inner Guard Rail, Bridge 14. Renew Treated and Rip Rap, Bridge 15. Renew Treated except cap,ties, and G.T. Bridge 23.
657-D-50	136-50	16211	Facing Point Switch Locks. (ValSec. Wash. 6)
657-F-50	136-50	16213	Facing Point Switch Locks.( " " " 31 )
137-A-51	16-51	16473	Relay Curves - 53 WB, 63 EB, 71A EB, 89-A EB.
137-B-51	16-51	16474	Relay Curves - 120A WB, 122 EB, 122 WB, 123 WB, 131A - WB.
226-51	26-51	16471	Relay Main Track between Chehalis and Napavine.
257-51	30-51		Relay Main Track with 115# at M.P. 95 - Ostrander.
276-51	45-51	16257	Rip Rap placed for bank Protection between Ruston and Nisqually.
306-51	50-51	16361	Fill Bridge # 81.1 at Olequa.
322-C-51	39-51	16568	Redrive Bents, treated, except frame bents; Renew stringers treated Bridge # 3.

## TACOMA DIVISION

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
322-W-51	39-51	16953	Replace RCP with head wall at M.P. 11+3520'. Renew double caps treated both Tracks, 2 bents Bridge #16.
322-E-51	39-51	16487	Redrive approaches, treated Eastward Track, Bridge 51. Place Inner Guard Rail, Bridge 55 at Centralia.
322-F-51	39-51		Rip Rap Boat Track. Rip Rap East and West of Crossover, Kalama.
517-51	96-51	16491	Rail Locks on Lift Span Bridge # 14 at Steilacoom.
632-51	138-51	16738	Replace Steel Stringers Bridge # 119 near Woodland.
746-B-51	159-51	16383	Tie Plates - Tenino to Kalama.
810-C-51	176-51	16393	Bridge # 7 at Titlow - Construct 3 Span Pile Bridge.
862-51	188-51		Fill Bridge # <del>105</del> on 12' x 12' RCB.
165-52	24-52	16569	Relay Curves between Tacoma and Portland. # 108 WB, 120 EB, 123 EB, 123-A EB, 130 WB.
424-F-52	2-52	16641	M.P. 49+3700 Rip Rap. Bridge 59, place Rip Rap.
424-G-52	2-52	17514	Kalama; Place Rip Rap at East end of Boat Track and East Switch. Place Rip Rap M.P. 108+150 to 108+300, 111+1600. Renew piles treated in Draw Span Bridge # 119.
424-T-52	2-52	16895	Concrete Curb Wall M.P. 6+1800'. Renew Stringers Bridge 30.
453-52	86-52	16873	Rebuild Bridge no. 102
534-A&B-52	109-52	16661	Place facing point switch Locks at various Points. i.e, West Tenino, Chehalis Jct., Napavine, Winlock, Vader, Castle Rock, Rocky Point, Kelso, and Longview Junction.
611-E-52	117-52	16521	Rip Rap ; Tacoma to St. Clair.
601-52	121-52	16674	Ballasting between Centralia and Chehalis.
631-52	123-52	16367	Bank Widening and Ballasting between Chehalis and Winlock
665-52	141-52	16866	Ballasting between Longview Junction and Kalama.
789-A-52	185-52	16648	Rip Rap near Kalama.
789-B-52	185-52	16762	Rip Rap between Tacoma and Nisqually.
757-A-52	168-52	16916	Relay Curve # 10-B near Nisqually.
757-B-52	168-52	16917	Relay Curve # 11. near Nisqually.

## Tacoma Division.

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
849-52	200-52	17166	Rail Anchors - Chehalis Junction to Winlock.
847-A-52	176-52	17239	Relay Rail between Vancouver and Willbridge.
847-B-52	176-52	17240	Relay Rail between Vancouver and Willbridge.
847-C-52	176-52	17241	Relay Rail between Vancouver and Willbridge.
208-A-53	31-53	16730	Relay Various Curves between Tacoma and Portland.
208-B-53	31-53	16770	Relay Various Curves between Tacoma and Portland.
397-53	71-53	16808	Fill Bridge # 92 on 96" CMP.
426-53	81-53	16918	Relay Curves 11-A, and 11-B near Nisqually.
452-53	72-53		Rebuild Bridge # 68 at Evaline.
437-A-53	2-53	16759	Replace V.P. with R.C.P. in Station Grounds Winlock.
437-B-53	2-53	16771	Replace Crr. I.P. with R.G.P. at Sta. 3+79
437-R-53	2-53	17176	M.P. 26+4381; Renew Bents and Stringers, shorten and etc. (Cancelled - see AFE 463-55 )
474-53	83-53	17145	Color Light Signals replacing Semaphore Signals, Kalama to Vancouver.
452-53	72-53	17006	Rebuild Bridge # 68 at Evaline.
53-A-54	7-54	16810	Rail Anchors - Winlock to Vader.
53-B-54	7-54		Rail Anchors - Winlock to Vader.
233-A-54	30-54	16935	Relay Curves between Tacoma and Portland.
233-B-54	30-54	16936	Relay Curves between Tacoma and Portland.
252-54	35-54	16978	Mud Slide Detector Fence at M.P. 126 between Ridgefield and Felida.
299-54	51-54		Concrete Plank Crossing at M.P. 34+4436' - East Olympia.
373-54	68-54	17027	Fill Bridge # 88.
393-D-54	2-54		Bridge 3.21 - Tacoma Terminal - Place Inner Guard Rail.
393-G-54	2-54	17183	M.P. 127+460' - Raise Head Wall and Wing Walls.
393-F-54	2-54	17049	M.P. 94+3914' - Replace CIP with RCP.
393-R-54	2-54	17125	Bridge 31 - Renew Bridge Treated, Both Tracks.
393-S-54	2-54	17173	Bridge 13.S.3.80. Longview. Renew Treated.
517-54	100-54	17061	Relay Main Tracks, North Portland to Willbridge.
638-54	133-54		Rebuild Bridge 51 at Wabash.
71-A&B-55	Comm.Dept. #3		Replace Iron Wire Circuit 929 with New Copper Wire. Chehalis to Vancouver .

A.F.E.	E.D.	F.C.R.	TACOMA DIVISION.	DESCRIPTION.
85-A-55	10-55	17097		Fire Protection for Columbia River Slough and Willamette River Bridge.
85-B-55	10-55	17101		Fire Protection for Columbia River Slough and Willamette River Bridge.
192-55	41-55	17199		Slide Detector Fences between Ridgefield and Vancouver.
194-A-55	45-55	17252		Relay Curves 47 EB, 110EB, 124 WB, 133 WB, with 132 # Rail.
194-B-55	45-55	17264		Relay Curves 47 EB, 110 EB, 124 WB, 133 WB, with 132 # Rail.
239-C-55	2-55	17382		Bridge 53; Replace in part treated, Br. 58 Redrive. M.P. 63+ Replace CIP with
239-D-55	2-55	17281		M.P. 132+2820' Replace CIP with Liner Plate. Liner.
463-55	85-55	17278		Reconstruct Overhead Highway Bridge. M.P. 26+4381'.
722-55	140-55	17400		New Grade Crossing and Signals at M.P. <sup>119</sup> <del>144</del> +4648' near Woodland.
359-A-56.	68-56	17391		Relay curves between Tacoma and Portland. Wash. V.S. 4
359-B-56	68-56.	17394	" " " " " " " "	V.S. 6
359-C-56	68-56.	17417	" " " " " " " "	V.S. 7
358-C-56.	2-56.	17973		MP. 122+3776' Replace Bulkhead. treated.
358-L-56.	2-56.	17530		Bridge # 7. Replace treated and add 1 span.
393-56.	85-56.	17515		Relay Main track between Woodland and Vancouver.
30A to C-57	2-57 Comm.			Wire Removal & replacement.- Centralia to Vancouver.
127-A-57	14-57	17585		Relay Track- Longview Jct. to Woodland.
127-B-57	14-57	17586		Relay Track- Longview Jct. to Woodland.
182-D-57	2-57	17547		Brg. 119 Remove Upstream Drawrest & Drive two New Pile Dolphins. Kalama to Vancouver.
268-A-57	53-57	17564		Relay Curves- Tacoma to Vancouver.
268-B-57	53-57	17546		Relay Curves- Tacoma to Vancouver.
268-C-57	53-57	17553		Relay Curves- Tacoma to Vancouver.

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## TACOMA TO PORTLAND

## 3rd SUB-DIVISION

A.F.E.	E.D.	F.C.R.	DESCRIPTION.
318-A-57	62-57	17549	Power Tamping,- Longview Jct to Woodland.
318-B-57	62-57	17559	Power Tamping - Longview Jct to Woodland.
419-A-57	80-57	17908	Replace Semaphore Signals with Searchlight Color Light Signals,- Vader to Kalama
419-B-57	80-57	17922	" " " " " " " " " " " "
261-58	56-58	17906	Additional Cross Ties. - State Line to Willbridge.
314-58	69-58	17893	Relay Curve 95 W.B. - Tacoma to Portland.
456-58	104-58	18099	Relay Track - Napavine to Vader.
507-58	111-58	17979	Relay Curve 65- E.B. Between Tacoma & Portland.
610-C-58,	125-58	18092	Rail Anchors - East Olympia to Tenino.
78-59	14-59	18162	Relay Track - Tenino to Bucoda.
89-59	16-59	18163	Relay Track - Wabash to Chehalis.
305-59	46-59	18228	Relay Curve 100A - E.B. - Tacoma to Portland.
228-C-60	2-60	18927	Bridge & Culvert Wk. - Tenino to Kelso. Brgs. 51, 55, 105.2.
228-N-60	2-60	18678	Bridge & Culvert Wk. - Tacoma to Tenino. CMP 8+2100.
319-60	69-60	18683	Relay E.B. Track over Br. 78. - Btwn. Vader & Olequa.
385-A-60	76-60	18732	Relay Curves - Tacoma to Portland.
385-B-60	76-60	18785	Relay Curves - Tacoma to Portland.
385-C-60	76-60	18786	Relay Curves - Tacoma to Portland.
150-E-61	2-61	19160	Bridge & Culv. Work - Tenino to Kalma. BRg. 84, Brg. 105.
150-K-61	2-61	19157	Bridge & Culv. Work - Tacoma to Tenino. Brg. 16, Brg. 36.
597-B-61	131-60	18903	Place Rail Anchors.
241-61	Comm. #8		Reconstruct Jointly Owned S.B. & S. & P..Communication Pole Line.

A.F.E.	E.D.	F.C.R.	DESCRIPTION
322-A-61	52-61	19622	Relay Curves - Tacoma to Portland.
322-B-61	52-61	19050	Relay Curves - Tacoma to Portland.
216-B-62	2-62	19218	Bridge & Culvert Work - Tenino to Kalama. Brg. 101.
383-A to M	Comm. #3		Installation of Microwave System.
509-B-62	87-62	19445	Place Rail Anchors - Tenino to Ostrander.
179-D-63	2-63	20054	Brg. & Culv. Work - CMP MP 58+2724 Tenino to Kalama
179-E-63	2-63	19559	Brg. & Culv. Work - Kalama to Vancouver
179-N-63	2-63	19781	Brg. & Culv. Work - Tacoma to Tenino.
248-A-63	41-63	19710	Relay Curves - Betw. Longview Jct & Longview.
248-B-63	41-63	19660	Relay Curves - Betwn Longview Jct & Longview.
223-64	38-64	20105	Replace Signals - Betwn Chehalis Jct. & Clequa
235-J-64	2-64	19911	Brg. & Culvert Work- Tenino to Tacoma - CMP.
235-B-64	2-64	19910	Brg. & Culv. Work - Tacoma - Hi-Line Track. Brg** CMP 53+39.
406-64	67-64	20080	Relay Main Track - Betwn Castle Rock & Kelso.
407-64	68-64	20136	Relay Eastbound Main Track - Betwn Woodland & Vancouver.
437-64	77-64	20010	Relay Curves Between Tacoma & Portland.
440-A-64	75-64		Install High Sensitivity Track Circuit. -Betwn Kelso & Vancouver.
440-B-64	75-64		Install High Sensitivity Track Circuit, - Betwn Kelso & Vancouver,
469-A-64	88-64	20222	Signal Changes - Tacoma to Chehalis Jct.
469-B-64	88-64	20082	Signal Changes - Tacoma to Chehalis Jct.
200-I-65	2-65	20947	Bridge and Culvert Work:Chehalis Jct. to So. Bend.
305-B-65	50-65	20157	Place Rip Rap - MP 107 & Mp 126.
305-G-65	50-65	20159	Place Rip Rap - Various .
326-A-65	61-65	20184	Relay Curves - Tacoma to Portland
326-B-65	61-65	20277	Relay Curves - Tacoma to Portland
67-66	10-66	20760	Relay WB Main Track - Tacoma to St. Clair.
68-66	11-66	20765	Relay WB. Main Track. - Tenino to Centralia.

A.F.E.	E.D.	F.C.R.	DESCRIPTION
		A--20754	
189-A-66	26-66	B--20752	Relay Curves...Tacoma and Portland
189-B&C-66	26-66	C--20753	Relay Curves...Tacoma and Portland
225-B-66	2-66	20871	Replace RCP with CMP...Tacoma to Tunnel #2
C	"	20845	Place Rip Rap, M.P. 49+1716...Tenino to Kalama
225-J-66	2-66	20903	Bridge and Culvert work:Chehalis Jct. to South Bend.
379-66	58-66	20743	Relay Track...Btw. Willbridge and Portland
498-66	83-66	20708	Advance Relay Curves...Yakima and Auburn <i>TAC - VANCOUVER</i>
545-A-66	99-66		Relay W.B. Track...Kyro and Tenino Jct.
545-B-66	"	220755	" " " " " "
546-66	100-66	20722	Relay E.B. Track...McCarver and Steilacoom
109-67	27-67	20884	Relay Track....Btw. Chehalis and Napavine
110-67	28-67	20885	Relay Track....Btw. Kalama and Ridgefield.
111-67	29-67	20886	Relay Track....Btw. Chehalis and Vader.
186-67	42-67	20890	Relay Curves....Btw. Tacoma and Portland.
473-67	102-67		Relay Track....Willbridge to Portland.
487-67	107-67		Chehalis Jct. and South Bend....Relay Curves.
489-67	109-67		Install VHF and Marine Band Radio Equip. on Columbia and Willamette Rive
A.F.E.	E.D.	BEGUN-COMPLETED	DESCRIPTION
55-68	11-68		Replace wood ties with steel ties;North Portland to Willbridge.
62-68	14-68		Kalama to Woodland:Relay WB track.
103-68	16-68---		Betw. Titlow and St. Clair:Relay East Bound Track.
291-68	68-68		Betw. Tacoma and Portland:Relay Curves.
493-68	111-68	9-68 1-15-69	Betw. Nisqually and East Olympia: Relay Main Track.
658-A-68	115-68		Wabash to Vancouver:Install CTC System.
658-B-68	115-68		Wabash to Vancouver:Install CTC System.
658-C-68	115-68		Wabash to Vancouver:Install CTC System.
658-D-68	115-68		Wabash to Vancouver:Install CTC System.
84-A-69	27-69		Betw. Tac. and Portland:Relay Curves.
84-C-69	27-69		Betw. Tacoma and Portland:Relay Curves.
84-B-69	27-69		Betw. Tacoma and Portland:Relay Curves.
101-69	31-69	11-68 12-69	Betw. Tenino and Kyro Jct.:Relay Track.
172-A-B-69	32-69	11-68 8-69	Betw. Kelso & Kalama, Wash. Relay WBML With 132#

John C. Moore Corporation, Rochester, N. Y. Binder and holes in pages 1 reverse.



FORM 84-150 W