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Unon Paglicic Rallroad Company
            Northwestern District
            Oregon Division
SPOKANE INTERNATIONAL
RAILROAD COMPANY
            Special
        Instructions
            No. }1
Effective Friday
    July 1, }196
Superseding Special Instructions No. }1
Employes whose duties are in any way affected
Emereby, must have a copy of these instructions
with them while on duty.
    G. H. BAKER,
    General Manager
    w. J. FOX,
General Superintendent
    W.. G. JOHNSON,
NOTE: Changes in this issue are printed in type same as this.
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## SpECIAL INSTRUCYIONS-ALL SUBDIVISIONS

## (U.P.R.R. Co. Oregon Invision and S.I.R.R. Co.)

Note-- Referiing to note on page 14 of Consolidated Cord
perating Rules: The term "conductor" as used in Operatin Rules, special instructions and superi
notices also applies to engine herders.

## Railroad Watches

$2(R)$. Rule 2 of the Consolidated Code of Oprating Rulon Employes listed below must, while on duty, have a reliutht,
ailroad grade watch* which must not vary more than so seconth Com correct time.
Employes in $t$

Amployes in train, engine or yard service.
Asint Superintendents of Safety andl Courtesy
Assistant Superintendents
Terminal Superintendents
Trainasters
1ssistant Terminal Superintendent
Road Foremen of Engines
Road Foremen of Engines
Station Agents
Station Agent
Operatorors
Outside Hostler Helpers
Such other employes as
$\left({ }^{*} A\right.$ railroad grade watch is a pocket watch which is equipperd
th a lever set, or a wrist watch of approved type.) Wrist watches approved under this revision are:
Ball "Official Railroad Standard" Model 1604B, 21 jewel, siz

Hamilton electric M odel sos "Railrood,
$2(\mathrm{~S})$. At stations where there is no standard clock, operators
must compare time with the train dispatcher as soon as practicable must compare time with the train dispatcher as soon as practicable fter commencing each day's
parisons with other employes.
3. (R). Operating Rule \& ( $($ ) is changed to read:
cTrain dispatchers and employes governed by time service
ules must not have a watel, other than a railroad grade watch, "Tres must not have a wateh, other. than a railroad grade watct
ula
their possession while on dutyl." Signals
(R). Employes on trains and engines which operate in territory where they are governed ecesse rules of another railroa, comply with such rules.
7 (S). When starting trains with helper on rear end of train,
and it is not possible to relay signals, the following method will be used:
Whendy to move, engineer on head end will make a 15 -pound
automatic brake pipe reduction, return brake valve to runnink position and wait three minutes. Engineer on helper engine wil art three minutes after his gauge shows brake pipe pressur 8 (R). Yellow flags by day and yellow lights by night will be used by switchtenders and herders.
Proceed signals as well as stop signals given by switchtenders must be answered.

Roduce and Resume Speed Signs 10 (R). Reduced Speed sign showing by figures the maximum
speed permitted, placed on engineer's side of track, indicates that seed permitted, placed on engineers side of track, indicates that
the track 2000 feet distant is is mondition for a sped of not moro
man indicated by thie sign. Example: $60-25$ will indicate maxi than indicated by the sign. Example: $60-25$ will indicate maxi-
mum speed of 60 MPH for passenger trains, 25 MPH for freighi Resume Speed sign placed on engineer's side of track, indicatem
that the Reduce Speed location has been passed. that the Reduce Speed location has been passed.
The entire train must pass over the designated location at tho
specified speed specified speed.
Such speed restrictions will also be shown in time-table or

Engine Whistle Signals
14 ( R ). In addition to locations listed in Operating Rule 14 (1),
ngine whistle must be sounded and bell rung approaching private rossings when view of crossing is obscured or when it can be nusen that pe
the crossing
16 (B) Communicating Signals
$16(R)$. Rule 16 (e) of the Consolidated
hilles is changed to read:
One long sound of communicating signal
One long sound of communicating signal
When standing-apply or release air brakes;
approw ching meeting or waiting points as pre-
scribed by Rule S-9;
back brakes sticking; look
Headlights
Headlights
17 (R). In territory where there is no joint operation with
nnother railroad, Rule 17 (C) of the Consolidated Code of Oper-
hling Rules is modified to read: nting Rules is modified to read:
"Oscillating white headlight on engines so equipped must be "Oscillating white headlight on engines so equipped must be
dllplayed by night while passing through cities and towns and
while approaching and passing over public crossings at grade." Markers and Rear End Lights
19 ( R ). On portions of the division where there is no joint opera-
tlon of trains with another company, in complying with Operating hule 19 (A) at night when a red light is not available, a marker amp must be securely fastened to rear end of rear car so as to
lisplay red light to rear.
19 ( $)$ Wher 19 (S.). Where rear car of a passenger train is equipned with
mun oscillating red rear end light on which an auxiliary marker is
mounted markers need no be displayed as required by Operatine mounted, markers need not te displayed as required by Operating
Kcules 19 D-19, 19 (A) and 19 (B). When such train is clear of
main track at night and rear end protection is not required the main track at night and rear end protection in not reequired, the
rcd rear end light must be extinguished and the auxiliary marker
nust display green light to rear. Rear trainman is responsible for Imust display green light to rear. Rear trainman is responsible for
proper display of the auxiliary marker as well as the rear end
19 (T). Red reflectorized disc with hinged cover applied to cabooses and car body type units is for emergency use only and
must be concealed except under the following conditions Must be concealed except under the following conditions:
On cabooses so equipped, when electric markers fail at night,
mid on units so equipped when rulecs require display of markers nud on units so equipped when rules require display of markers
nud marker lamps are not available, red reflectorized disc must
lo displayed to rear when train is on main track. When train is
Ical cllar of main track, except in CTC territory, red reflectorized disc Whe red reflifectorizod disc is displayed, red light prescribed hiy Rule 19 (A) need not be displayed.

> Indicators

24 (R). Display of train number in indicators is discontinued. Unit number will we permanenty displayed in indicators on
ratr.n unit so equipped.
$R$ Rulcs 24 and $24(A)$ of Consolidated Code of Operating Rules He cancelled.
Rule $24(B)$

## Conditional Staps

28(R). A white signal will be used to stop designated trains
Conditional stops showa
Flag Protection
99 (R). Referring to Operating Rule 99 and second paragraph
Run 09 (A)
Onater lined by the Union Pacific Railvoad Company
whicn a train stops on main track where rear of train is protected
 mediately with flagman's signals, but need go back only a suffi-

99 (R) Continued cient distance to insure full protection against following trains
moving at restricted speed. This is no way modifies the requirements for full flag protec-
tion under other circumstances or where protection in accordance with Rule 99 is required $b y$ other rules. 99 ( $S$ ). Referring to Rule 99 of the Consolidated Code of Oper-
ating Rules, applicable only on the Union Pacific Oregon Division ating Rules, applicable only on the Union Pacific Oregon Division
and Spolane International Railroad. The eighth paragraph of this rule, which is the last paragraph
on Page 52, and relates to the flagman talcing position of feet on Page 52, and relates to the flagman taling position dre for
from rear of a passenger train when rules or conditions do not
require protection in accordance with Rule 99 , is cancelled. This doos not tnodify the corresponding requirement of Rale 99
which applies when operating over the tracle of other railroads. 99 ('T). In moving from siding or other track to a main track,
except in yard limits or in CTC territory, a trainman must be at except in yard limits or in CTC Cterritory, a trainman must be at
rear of train, and where conditions require, protection must be
provided as prescribed by Rule 99. 99 (U). Maintenance of Way Rule 99 (F), the first paragraph
of which has been revised, now reads as follows: "99 (F). When ant employe alone, finds track or bridge unsafee
for trains at normal speed, he must immediately place a red or trains at normal speed, he must immediately place a red
flag by day or a ced light by nimht between the rails of the track,
or on the ongineer's side of the track, in hoth directions oneor on the engineer's side of the track, in both directions one-
eighth mile 660 feet) from the point of obstruction. Atter red
signals are placed, he must signals are placed, he mast go in one dircction and place two
torpedoes on rail one-half mile from red signal and an additional
set of two torpedoes one and one-half miles from red signal, torpedoes on rail one-half mile from red signal and an additional
set of two torpedoes one and one-half miles from red signal,
then place torpedoes in same manner in then place torpedoes in same manner in opposite direction.
When signals have been placed, flagman must return to point
Wf When signals have been placed, flagman must return to pothe
of obstruction, wherc he must remain until relieved by another
flagman excet that if a rian approaches he must go toward
it and flag it with hand signals. flagman, except that if a train
it and flag it with hand signals.
"During foggy or stormy weather and in vicinity of obscured
curves or leavevy descending grades. or if other conditions make
it necessary he must incress the dist it necessary, he must increase the distance, placing two torpedoes
at every one-fourth mile beyond the second set of torpedoes.
"On single track, or if more than one track is obstructed on double track, he must go first in the direction from which the
first train is expected and, in addition, in case more than one track is obstructed, he must place signals in same manner on all
tracks obstructed. On a heavy grade if if it not kuown from
which direction a train is first expected, he must place signals tracks obstructed. On a heavy grade, if
which direction a train is first expected,
first against trains moving down grade.
"On double track, if only one track is obstructed, he must go
first against the current of trantic unless he has information that first against the current of traffic unless he has infor
a train will arrive first from the opposite direction.
"If will
"If defect in track or bridge is such that it is considered safe
for train to proceed from the red signals when preceded by a for train to proceed from the red signals when preceded by a
flapman, section foreman may attach written information to the
red signals, reading: 'Train may red signals, reading: Train may proceed when preceded by a
lagman, but must move at restricted speed'?.

Public Crossings
103 (R). At public crossings prostected by automatic crossing
signals, bells or or ates, when a train engine, or switching movesignals, bells or gates, when a train, engine, or switching move-
ment has been delayed or stopped within 1600 feet of such crossing, any further movement, either for ward or reverse, toward the
crossing must be made at restricted speed until it is determined that the crossing signals are operating for sufficient time to stop
highway traffic. In case the crossing signals are not operating for highway traffic. In case the crossing signals are not operating for
the movement, crossing must be protected by a member of the
crew, unless a crossing watchman is on duty. the movement, crossing must be protected
crew, unless a crossing watchman is on duty.
When a train, engine or switching movement is to be made
against the normal current of traffic over a public crossing protected by automatic crossing signals, bells or gates, a member of the crew.
on duty.

Riding Leading End of Engines
103 (S). Unless otherwise provided, in switching, when there
are no cars ahead of the engine, a trainman (and not more than one must ride on leading platform or side steps of engine in
oirection the engine is moving.

EXCEPTION: Trainman need not ride on front of diesel switch When the switches to be passed over can be plainly seen to be properly lined;
Where the movement is over a public crossing protected by a
crossing watchman. ossing watchman

Switches
104 (R). Except where otherwise specified, No. 14
installed at all dual control switches in CTC territory. 104 (S). For movement through a spring switch where engin Train Order Signals
200 (R). Unless otherwine Order provignaled when train order signal
indicates "Stop" (Rule 200A), traine must stop for orders unless 200 (S). Lights will not be kept burning at night in train order 200 (S). Lights will not be kept burning at night in train order
signals on branches when operators are not on duty, and trains
must be governed by the day indication of such signals. Train Orders
208 (R). Except at initial stations when a train's superiority
restricted for an opposing train at the point where the order is restricted for an opposing train at the point where the order is issued to it, the order must not be made complete to the train
which is being advanced until the operator has placed two tor-
pedoes on the rail not less than 1000 feet from the train order pedoes on the rail not less than 1000 feet from the train order
signal in the direction of the restricted train, and the train dis-
patcher has been notified that torpedoes have been placed. In ad patcher has been notified that torpedoes have been placed. In ad-
dition, the restricted train must be brought to a stop by operator, using red flag or red fusee, before the train dispatcher OK's the
clearance. 209 (R). "Operators must not typewrite Union Pacific or SpoOn General Description of Signals
On the Union Pacific, the home arm of semaphore signal is red
with a square end; the home block signal arm has a white stripe
the with a square end; the home block signal arm has a white stripe,
the home interlocking arm has no stripe. The approach arm of a
semaphore sirnal is yellow with semaphore signal is yellow with forked end and for both block
and interlocking has a black stripe. All color light signals are
home signals. and interlockis.
Stop signals in CTC territory are marked by a plate bearing
the letter "A." Unless otherwise indicated, where two or more home signals are
located on the same mast, the upper signal will govern main route located on the same mast, the upper signal will govern main route
and the lower signal or signals will govern diverging route or
routes.

240 (R). Slide Warning Indicator


NAME OF INDICATION-SLIDE WARNING When block signal indicates Stop (Rule 240-A) and illumi-
nated " F " is displayed on slide warning indicator, train or engine may, after stopping, proceed at restricted speed to next signal
without sending flagman ahead, but keeping close lookout for without sending flagman ahead, but keeping close lookout
rocks or other obstructions, broken, bent or damaged rail.
Use of Sand
$247(R)$. In moving over CTC, dual control, remote or spring
witches, to avoid depositing heavy accumulation of sand on rail, automatic sanding device must be nullified passing fouling point.
When tonnage and gradient requires use of sand to avoid slipping, hand sanders may be used.

Unless otherwise provided, a train or engine must not enter
CTC territory unless authorized by Clearance Form B or Form C except for yard movements. Clearance Form C must be received to authorize track and time limits in accordance with Operating aule 27. Clearance Form C must also be received to authorize Operating Rule 269 except when movement is leaving mail track or leav
yard limits.
Trains in turn-around or work train service, must receive
Clearance Forn B at start of tour of duty: This clearance is uthority for movement in CTC terrilory during continuous tow
duty without receipt of additional Clearunce Form $B$, bein overned by signal indications und instructions from dispatcher
 Chut must be
lispatcler.

269 (R). In CTC territory, when flagging from a Stop gignal in fommunication except on signal indication or further authority rom control operato
275 ( R ). After passing a signal governing movement over n
dual control switch, if train or engine stops before entire movedual consol switch, next toposing signal and it is necessary to make-
ment has passed next
a reverse movement, a memher of the crew must so advise disment has passed next, opposing signal and it is necessary to make
a reverse movement, a memher of the crew must so advise dis
patcher. Dispatcher must block switch and signal levers and must no ange position of the switch, clear a signal for a conflicting verbally by a member of the crew
the insulated joints at the signal.
After having made reverse movement under these circum-
stancess no forward movement may be made except on signa
indication or as provided by Rule 276 .
275 (S). When necessary to perform switching over dnal control
switch as provided in Operating Rule 275 (A), first move, when switch as provided in Operating Rule 275
possible, must be made on signal indication.
275 (T). When communication fails and it is necessary to hand
年 he afforded in both directions when requil switches, prond switection must
operated until thre
nint ee operated until three
placed in HAND position.

Use of Radio

 signal.s to convey rcquired information.
When train or engine movements arc to be made in response
to rudio communications, suck as in switcling operations, pricte ing up or setting out cars, specificic instructions must be given
for each movenent. When bicking or pushing truin, engine on for each movement. When bucking or pushing truin, engine or
cars, distance of movement mast be specified. When such move-
ments are being made the ments are being made by radio communication, failure to main-
tain conmunication with the enploys directing the movement tain communication with the employ
must be regarded as a stop signal.
Employees on trains must not ask, and employes at station
must not advise the indication of block signals, interlocking sin must not advise the indication of block signals, interlockizing sig-
nals or train or ler signals, nor may sul
from one train to another by radid. ATRSS chrannel is provided for use only while operating over
AT\&SF on California Division. Use of this channel in other teritories is prolizited.
Radio must not be used for transmitting when located lesn
han 250 feet from blasting operations.
utomatic cab signal system rules Note-Automatic Cab Signal System Rules will be used only
an ACS territory specified in the time-table or in special instrucin 12 AC
tions.

## Note-In the following illusprations R-Red Y Y- Yellow G Green

451. Name-Restricting.

estricted spe
452. Name-Advance Approach


Indication-Proceed prepared to pass next signal at not ex


Indication-Proceed
Rules
454. Automatic Cab Signal System supplements automatic sede the superiority of trains, nor dispense with the observance of rules governing the use of automatic block or other signals and
rules whenever and wherever they may be required, except as 455. When cab signal indication changes to a more restric-
rpescriben by Rule
(Continued on page 5.)

## 455 Conlinued

tive indication, engineer must acknowledge with acknowledgin
dive ice.
456.
When a train is proceeding after having been stopped by a block signal, if cab sisnal changes to a iess restrictive indica-
tion, train may proceed in accordance with indication received
after it has moved its length beyond point where cab signal changed.
Excention: Bule 456 does not apply when proceding after taveption: Rule 456 does not apply when proceeding afte
having been stopped by a flashing red light on a block signal. 456 (R). Automatic Cab Signal Rule 456 does not apply when a
train is proceeding after having been stopped by $a$ block signal governing movement through a block in which slide warning de tector fences are located. In such case, movement through the
entire block must be made at restricted speed regardloss of the
fact that che cab signal changes to a less restrictive indication. 457. When cab signal indication does not correspond with block
signal indication, engineer must be governed by the most restrictive indication displayed by either signal, and must repor he fact to train dispatcher from first avaliable point of conWhen cab signal indication does not correspond with block signal indication for two consecutive blocks, cab signal may be
considered inoperative. If preveious advice has been reecived from
train dispatcher or bu bulletin of ino train dispatcher or bv bulletin of inoperative cab signal within
designated limits, train must proceed within those limits in ac designated limits, train must proceed within those limits in ac 458. When a cab signal device becomes inoperative
 cation where report must be made to train dispatcher, who will struct as to cutting out cab signal devic further move
ment of train.
When cab signal devices have been cut out, train may proceed
in accordance witb block signal indications but not exceeding 79 in aaccordance witb block signal indications but not exceeding 79
miles per hour and as much slower as rules or conditions require.
Whic miles per hour and as much slower as rules or conditions require
Whic so proceding if train encounters a block siznal diaglay-
ing Stop or Stop-and-Proceed indication, or light not burning on ing Stop or Stop-and-Proceed indication, or light not burning on
a block signal, tranin must top. After stopping train must wait
for change of signal indication and if the signal does not change dication within three minutes, it may be as sumed that the block signal is inoperative and $t$
ceed complying with the block signal indication.
459. When necessary to use a non-equipped engine on a pas operative cah signal in accordance with second and third para-
raphs of Rule 458 . graphs of Rule 458 .
460. When equipped engines are double-headed, all but leading
ngine must have cab signal devices cut out.
461. When engineer takes charge of an equipped engine in cab
signai territory or enters cab signal territory, he must know that
signal territory or enters cab signal terrion
cab signal devices are cut in. Operative tests mnst be made by engineer before entering cab
signal territory. signal territory.
162. Cah signal devices must not be cut out while in cab signa On an equipped engine with three-position acknowledging de-
vice, use of cut-out position is prohibited when operating within vice, use of cut-out position is prohibted when operating within
cab signal telritory, except when authorized. cab signal teltitory, except when authorized.
When sacas on cab siinnal devices are broken, or found hroken
or missing, report must he made promptly. 463. Cab signals will not indicate conditions ahead when the
engine is: (a) Moving against the current of traffic.
(b) Pushing cars.
(c) Not equipped for backward running and is running back-
ward. 461. If the cab warning whistle sounds longer than 6 seconds,
he fireman, or a trainman in the cab, must go to the engineer immediately and ascertain cause, and when conditions require, must
ake immediate action to stop train. nediat
ake in
465. If cab signal whistle fails to sound when cab signal
changes it a more restrictive indication, Rule 458 must be com-
plied with.
$509(\mathrm{R})$. Referring to $\left.\begin{array}{c}\text { Mlock Signals } \\ \text { Operating Rule } 509\end{array}\right)$ Where inver quadrant semaphare trpe signals are in service,
when train is stopped ty o Stop indication, flapman must be sent
ahead unless track ahead is seen to be clear throurh to the next Clear signal. Train or engine must wait ten minutes after a flag-
man has started and may then proceed at restricted speed follow man has started and may then procecd at restricted specd follow
ing flagman to the next Clear signal. Tlagman may be picked up if a point is reached from which
track ahead can be seen to be clear through to the next Clear track
signal.
509 5093 (S). Where lower quadrant gemaphore type signals are in
seviice, a train or engine proceedmg under the provision of
Operating Rule S-509 must proceed at restricted speed to the next
Cos. Operating
509 (T). When a slide warning device plug is found pulled or
controller operated but no obstruction on or damage to track is found, the plug must be replaced, if practicable, or controller reset
port to train dispatcher from first stop or first open telegraph port to
office.
510
$510(R)$. If a block signal fails to display its most restrictive
indication when a block is occupied or when a switch connected
with with automatic block signnl system is changed from its normal
position, it must be regarded as displaying a Stop indication. A member of the crew must be left at signal and he must stop all
trains moving in the direction yoverned by that signal and inform hem of false-clear indication. Mapman must remain there until
celieved by an employe of Signal Department or by instructions from proper of ficer.
A train or engine with no brakeman must place a red flap in
center of track opposite the signal; then in both directions place center or frack opposite thic signal; then in both directions place
two torpedoes one-half mile from red signal and two torpedoes
one and one and one-half miles from red signal.
In all cases, train dispatcher must be notified from first available point of communication.
512 (R). Trainmen must observe indication displayed by track
occupancy indicators before changing dernil or main track switch. A switch must not be opened to permit a movement to a main is properly propected.
Indication displayed by track occupancy indicator is not authorIndication displayed by track occ
ity for a train or engine movement.
514 (R). In complying with Operating Rule 514, on single track, outside of yyr limits, a flagman must be sent ahead unless track
is seen to be clear to next signal and that signal is displaying
Clear in
611 ( R ). At interlocking stations where there is also a train order signal, train order signal must indicate Stop until atter
interlocking signal has been changed to permit a train to procecd. 663 (R). In complying with last parapraph of Rule 663 , move-
ment must be made as prescribed by Rule 509 on single track or as ment must be made est prescribed by Rulc
prescribed by Rule 240-B on double track

## 702 (R). Employes Actions While on Duty not sleep while on duty.

Safety Precautions
70.9 (R). Wmployes are prohibited from, stepping on the shitions
portion of the custhoning levice on runy car.

711 (R). The Poalowing passengerst Trains
freight trains between stations an which the traing be carried on Persons in charge of live stock or other freight when pro-
vided with Employes of Union Pacificic Railroad with annual pass when Etraveling on company busimess requiring use of freight
trains: Othains; persons with annual or trip pass only when endorsed
Other persons with annuai or tood on Freight Trains";
Passengers holding revenue tickets with permit issued by Passenerintendent.
super
Agents and conductors must notify passengers, stockmen, mes-
sengers and caretakers that they must ride in the place provided sengers and caretakers that they must ride in the place provided
for them, and must not get on or off cabooose, drover cars or orther
cars whil train in in motion, and that in all cases the traim will
be stopped at designated pointsfor this purpose.


727 (R) Continued.
 Notice to Crews of Cars Containing Explosives in Freight Trains BE 589 (f). At all terminalis or other places where trains are
made up by crews other than road crew accompanying the outound movement of cars, the railr rad shall execute $a$ consecur
fively mumbered notice showing the oloation in the freight train
 cony thereof showing delivery to the train and engine crew shall
be leept on file by the railroad at each point where such notice is given. An points where train or engh ine corewhere such notice is
notice shall be transferred from crew to crews.

Position in Freight Train or Mixed Train of Cars
BE 589 (g). In a Croitaninn Ex Exlosives
 than the sixteenth car from both the engine or occupied caboose
except: (1) When the length of freight train or mixed train widl not
pormit it to to be so placed, it shall be placed near the middle of
he train. the train.
( When transported in a freight train made up in "Wlocks"
or classifications,
 ut not nearer
cupied caboose.
(3) When transported in a freight train or a mixed train per
forming pickup and or setof service it shall be placed not neaner than the second car from both the engine or occupied caboose, ex-

Separating Cars Placarded "Explosives" From Other
BF 589 (h). In a freighlt train or a mixed train cillier strondin


1. Occupied passenger car; except as provided in paragraph
2. 
3. Occupied combination car; except as provided in paragraph
4. (I) of this section. "Dangerous" or "Dangerous-Radioactive
5. Any car placarded "Da
6. Material.'
7. Any car placarded "Poison (ins" or "Flammable Poison
roads).
roads.
Loaded fat car, except that cars carrying trailers or con-
tainers placarded "EXPLOSIVES" as authorized by the regnandion in this chapter may be coupled to each other. (Note
nulatian
lat cars equipped with permanently attached ends of rigi Flat cars equipped with permanently attached ends of rigid
construction shall be considered as open-top cars. See sub-
8. Open-top car when any of of the ladiding protrudes beyond the
car ends or when any of the lading extending above the car
car ends or when any of the lading extending above the car
ends is liable to shift soas to protrude beyond the car ends.
ends is hable to shirt so as to protrude beyond the car ends.
Canr, with automaticr refriereration or heeating apparatus in
operation; car, with open-flume apparatus in in service or
9. Car containing lighted heaters, stoves or lanterns.
10. Car loaded with live animals or fowl, occupied by
11. Occunied caboose except as provided in paragraph (1) of this section
Position in Train of Loaded Placarded Tank Car
BE
589 (i). In a freight train or a mixed train, except
BE 589 (i). In a freight train or a mixed train, except a train
consisting entirely of placarded loaded tank cars and as pro-
vided in paragraph (i) of this section consisting entirey or (j) of this section, a placarded loaded tank
vided in paragraph
car shall when the length of the train permits, be not nearer
than the sixth car from the engine, occupied caboose or pasBE 589 (i). (1) When the length of the freight train or mixed
train train will not permit tit to be so placed, it shall be not nearer
than the second car from the engine, occupied caboose or passenger car.
BE $589(\mathrm{i})$. (2) When transported in a freight train engaged in "pickup" or "setoff" service, a placarded loaded tank car shall
be not nearer than the second car from both engine or occupied

Separating Loaded Tank Cars Placarded "Dangerous" BE 589 ( j ). In a freight train or mixed train either standing or
during transportation thereof, a placarded loaded tank car must 1. Occupied passenger car, other than cars occupied by gas handlers and authorized personnel accompanying shipment Occupied combination car, other than cars occupied by gas 3. Any car placarded "Explosives." 4. Engine or occupied caboose, "xcept when of placarded loaded talk cars).
5. Any car placarded "Poison (ias" or "Flammable Poison 5. Any ,"ar placarded "Poison (ias" or "Flammable Poison Was. Woden under-frame car (except on narrow gauge rail-
roads).



 Open-top car when any of the lading protrudes beyond the car ends or when any of the lading extending ahove the
car ends is liable to shift so as to protrude beyond the car
 or lywitl bolies on flat car with open-flume apparaths in
 hieaters, stoves. or lanterns. except whice car is occupid
gas hamdler's or culhorized personnel accompanyin! ship-
ment.
11. Car load

Position in Freight Train or Mixed Train, of Cars Placarded BE 589 (k). In Poison Liquids, Class $\Lambda$. daring transportation thereof, a car placarded "Poison Gas," "Flammable Poison Gas" or containing poison liquids, class A,
shall not be next to other freight cars placarded "Explosives"
or cars placarded "" cars placarded "Dangerous.
BE 589 (k). (1) In a freighlit
BE 589 (k). (1) In a freight train or mixed train cither stand-
 (i) Occupied passenger car, other than cars occupied by gas
handllers andl authorized personnel acconpanying slipment. (ii) Occupied combination car, other than cars oocupied by (iii) Any car placarded "EXPLOSIVES." (iv) Enyine or occupied caboose.
(v) Any car placariled "IDANGEROUS."
(vi) Wooden under-frame car (except on
ow gauge rail-
 ucks, or trailer bodies which are secured by means of a device

727 (R) Continued.
or devices designed
or devices designed and perynanently installed on the flat cur fur
that prupose and of a type generally accepted for handlinus in
intercluange between railroads interchange between railroads. (Note: Flat car's equipped will
pervmanently attached cnds of figid construction shall be oousidl
 (viii) Open-top atr when any of the lading protrudes beyond
the car ends or when any of the lading oxtending above the eur
ends is liable to slift so as to protrude beyond the car cends. the car ends or when any of the lading extending above the eur
ends is liable to shift so as to protrude beyond the car end
(ix) Car trailers or truck bodies on flat car with untomatic (ix) Car, trailers or truck bodies on flat car with untomulic
refrigeration oir heating apparatus in operation, ear trailer
or truck bodies on flat car with open-flame apparatus in servicn or truck bodies on flat car with open-flame appar
or with internal combustion engines in operation.
 heaters, stoves or lanterns except whec car is occupied by g(th1
handlers or authorized personncl accompanying shipment. (xi) Car loaded with live animals or fowl, occupied by wint
attendant.

Position in Freight Train or Mixed Train of Cars Placarded
"Explosives" or "Porson Gas" or Both, and Cars Placarded
"Flammabe Poison Gas" When Accompanied by Cars
Carrying Guards or Gas Handing Crews
BE 589 (1). A car requiring "Explosives" or "'Poison Gas'"
sacards, or both, and a car requiring "Flammable Poison Gas" placards, shall be next to and ahead of the car occupied by the guards or gas handing crews accompanying such car; excepe ths is
when the car occupied by guards or gas handling crews is
equipped with a lighted hhater or stove it shall be the fourth equipped with a lighted heater or stove it shall be the fourn
car behind a car or cars requiring "Explosives" placards.
Cars Containing Explosives, Poison Gas, or Flammable Poiso
Gas and Tank Cars Placarded "Dangerous" in Passenger
BF 589 ( $)$ ) Cxep Mixed Trains
BE $589(\mathrm{~m})$. Except as provided in Operating Rule 727, cars
ontaining explosives, class A, poison gases or liquids, class $\Lambda$. containing explosives, class A, poison gases or liquids, class $A$,
or flammable poison gas, and tank car requiring "Dangerous
placards shall not be transported in a passenger train. Such cars placards shall not be transported in a passenger train. Such cars
may be transported in mixed trains but only at tuch times and
between such points that freight train service is not in operation. BE $589(\mathrm{~m})$. (1) Cars containing explosives, class A, poison
gases or rituids, class A, or liammable poison gas, and tank cary placarded "Dangerous" shall not be transported next to occupied
cabooses or cars carrying passengers in mixed trains, except as aboses or cars carrying passengers in mixed trains, extep
provided in paragraph (1) of this section.
BE $589(\mathrm{~m})$. (2) When a car containing explosives, Class B BE 589 (m). (2) When a car containing explosives, Class $B$ including Class A poison gases or liquids) is moved in a mixed
train and such car is not occupied by a a employe of the carrier,
placards must be applied to the car as required by this part. acards must be applied to the car as required by this part. Position in Train of Cars Containing Class D Poison
BE 589 (n). In a freight train or mixed train either standing or during transortation thereof, a car placarded "Dangerous-
Radioactive Material" must not be handled next to cars placrided "Explosives" or next to carload shipments of undeveloped rilm.
Emptr Tank Cars
$\left.\begin{array}{l}\text { Empty tank cars must not be moved from stations unless } \\ \text { dome cover and all outlet caps have ben replaced and wrenched }\end{array}\right)$ dome cover and all outlet caps have been replaced and wrenched
tight, hhipping tags and cards removed from car and "Danger-
ous' placards removed or replaced by "Dangerous-Empty" ous" pla
placards.

Power Transmission Wires
734 (R). Power transmission wires carrying 2300 volt circuit
are located on top arms of signal pole lines and on top arms of are located on top arms of signal pole
joint telegraph and signal pole lines.
Helper Engines
741 (R). Helper engine on passenger train must be coupled
ahead of road engine. Passenger trains must not he pushed from
the rear except in case of emer ency or other unusual circumthe rear except in case of emergency or other unasual circum-
stances and then for no greater distance than is necessary.
On freight trains when not used on head end of train, helper engine consisting of not more than three units must be cut in
ahead of caboose and when train includes cars designated in

Special Instructions $806(\mathrm{R})$, helper engine must be cut in ahead
i) them. Ihem. IIeper engine consisting of more than three units must be cut
In ahead of the tonnage for all units in excess of three units. When necessary to use second helper engine, helper engine ocon-
histuing of the larger numher of units must be cut in ahead of the
lonuage of the rear helper. (ontuge of the rear helper.

## 806 (R). Cars designition of Cars in Trains <br> handled in rear of

806 (R). Cars designated helow must be
Drain next to caboose in the order named:
Dovorar carsocupied or nocupied;
Wooden underframe cars;
Drover cars, occupied or nn
Wooden underframe cars;
Scale test cars
Scale test cars;
Any car unsafe to
Any car unsafe to be handled in head end of train;
Carswith emergency couplers: Carswith emergency couplers;
806 (S). (Does "Handle Only at Rear End of Train." 806 (S). (Does not apply on Fifth Subdivision. See Special
Instructions $1039(R)$ page 18.) Except on Train No. 126, flat cars 65 feet or more in length
HBed in rail trailer service, loaded or empty, must bo entrained on rear of train but ahead of cars listed in Special Instruction
8016 ( R . When helper enginc is used at rear of train, helper must
 HEcurely caboose and must to caboose, exe airept when equerative and must be 806 (U). Open top cars containing pumice, earth, chips, sand,
slack coal or other commodities that will blow off cars, should be
sit intrained not less than ten cars, number of cars permitting, haead
of caboose, to avoid this material flying and obstructing view of Irain or causing in on this mates. In adial fition, cars and onstructing contining any of of the
athove commoditics should be scparated by three cars, number of nhove commoditics Should be scparated by three cars, nymber ong
cars permitting, to vooid the various commodities contaminating
anch other, and not less than three cars, number of cars permit806 (V). Where movement is entirely over the lines of the
Union Pacific Railroad, outfit cars may be handled in head end Care must be exercised to insure that outfit cars which are atencilled or tagged for handling only on rear of train, or which
under ot her provisions of Spccial Instructions 806 (R) must be
mut under ot her provisions of Special instru
lundled at rear of train, are so handled.
R日G (W). Restrictions contained in Operating Rule 806 (A)
mop
nf laditing handling of open top cars louded with certain types molititing handling of open top cars loatded with certain types
uf lading next to engine or caboose do not apply to truilers on flut cars, hi-level or tri-level fars cexcept rail trailers on which
the lond is exposed, such as flat bell or stake body trailers In troin moverents 8.5-foo rrail-trailer cars must not be
mplrvained coupled to a diesel unit.
 806 ( X ). The following aluminum center-flow covered hopper
rans, loaded or eompty, must be entrained at rear of train, not
mure than 15 cars from rear: SN 5501 to 5510, inclusive.
These are culindrical covered hompers.s and do not have com-
pete center sill. 806 (Y) Curs l
 af train as possille, but not nearer th
ruloose, length of train perinitting.
806 (Z). Foreign Diesel Units Dead in Train
units, Union Pacific yard-switcher units of any type
'acific road-switcher Pacific road-switcher units of Alco, or Baldwin type, to be moved
dead in train must be separated from each other and from the
anpine by doadine by not less than five cars and must be entraind not not mote
unun 30 cars behind the control unit. Waybill instructions must be Cavefully chccked and unless moditied in writing must be com-
plied with. In the absence of instructions relative to speed,
giped of 35 MPH must not be excceded with yard-switcher, or 45 Rpeed of 35 MPH must not be exceced with yard-switcher, or
MPPI with road-switcher units of these types dead in train. 810 (R). All persons are prohibited from riding
(Continued cars while

810 (R) Continued being switched, which are in the process of being loaded or un
loaded. Part loads will not be switched unless properly broke
down or properly braced to prevent contents lown or properiy braced to prevent contents falling and bieing
damaged. Before switching with or moving cars which are in the process of loading or unloading, persons working in or ahout the
cars must be notified and trainmen and yardmen must see that cars are not switched with until carra are vacated. When such cars
are moved, they must be returned to their former location unles are moved, they mu
otherwise directed.
810 (S). In terminal yards, road engines, trains an
ments approaching leads, must tsto before fouling lead unless it is known that switches are properly lined and lead is clear.
Before a train starts out of yard track, brakeman will prece Before a train starts out of yard track, brakeman will
the movement to a point where it is known route is clear.

Switching Operations
810 (7). Waxtreme curc must be used in coupling to cabooses,
ont fit cars, loarled rril trailer flat cars, or open top cars loaded
with motor vellicles. They must not be switclled with unneces-
 to strike ot her cars, nor may other cars be cut off while in
motion and allowed to strike such cars.
810 (J). That portion of Oprrating Rule 810 ( $\Lambda$ ) which refers
to outfit curs is cancelled.
Refore ontfit carrs are coupled to, occupants mast be notified 810 (V). When spotting cars at rail trailce facilities or auto
unlualing ranms or on spur trueks, novement nust he stopped three car len this from end of trickl, and further muvement must
be procedled by a member of the crew on the grount.
 Securing Cars
813 (R). Each passenger unit with control cab is provided with
wo chain wheel blocks for emergency us. When necessary to set out a car or or a une. from a passenger train betwen tereminals, in addition to applying hand lorakes as re-
quired by the rules, wheels must be blocked using these chain
wheel blocks.

> Track Scales

821 (R.) Engines must not be neave med over live rails of track
scales and when moved over dead rails of track scales, a speed of scales and when moved over dead rails of track scales, a speed of
5 MPH must not be exceeded.
Sanders must not be used over track scales and engines or cars Sanders must not be used over track scales and engines or cars
must not stand on dead rail over scale deck or platform of track
scales. scales.
Cars to be weighed must be stopped on scales and uncoupled at automatic weighing device. Cars must not be violently stopped by impact, sudden applica-
tion of brakes or by blocking wheels After cars are weighed, they tion of brakes or by blocking wheels. After cars are weighed, they
must not ho moved over live rails if possible to aviid it. When
making impact with cars on scales, speed must not exceed 2 MPH making impact with cars on scales, speed must ne any case.
and 4 MPH must not be exceded over cales in any
Cars on live rail must not be moved by other cars or engines Cars on live rail must not be moved by other cars or engines
moving on dead rail, or vice evers.. Cars must not be moved over
scale with one truck on live rail and other truck on dead rail.

> Coupling Passenger Cars

824 (R). When coupling an engine or cars to passenger equip-
ment, coupling must be tested by stretching slack after coupling After coupling to cars standing on grade, slack must be
stretced and it must be known that air brakes are fully charged berter coupling a tight lock coupler to any coupler, it must be
Af At that knuckle is securely locked in closed position
seen
When coupling other type cupler to tiththt lock coupler, knuckle
on tipht lock coupler must be closed and knuckle on other coupler on tight lock coupler must be closed and knuckle on other coupler
must be open, to be closed by impact of car. must be open, to be closed by impact of car.
After cars are coupled, tirht lock couplers must be inspected to
see that tell-tale hole is visible just below bottom of coupler head After cars are coupled, , Hisht jock couplers must be inspected to
see that tell-tale hole is sisibe just below bottom of coupler head
and that knuckle is locked.

920 (R). Referring to $\begin{aligned} & \text { Engine Service } \\ & \text { Operating Rule } \\ & \text { Rule 1001 } \\ & \text { A }) \text { and to Air Brake }\end{aligned}$ Rule ( 1001 (A):
At terminals where mechanical forces are employed, the Me-
chanical Department will be responsible for knowing, when an engine is set out for scrvice, that it is in in good working order and
is adequately furnished with fuel, water, sund and onther supplies,
including flagging equipment and signal appliances. En minernen is adequately furnished with fuel, water, sand and other supp.ies
including flagging equipment and signal a ppliances. Enginenne
will not be reguired to make inspection of cngine at such points, will not be rectuired to make inspection of engine at such points,
except for ingpecting and testing air brakes as required by Spe-
cial Instruction $1001(\mathrm{R})$. except for inspecting and testing air brakes as required by Spe-
cial Instruction 1001 (R).
Enginu crews will leave roundhouse or designated track promptEngine crews will leave roundhouse or designated
Iy when engine in available.
922 (R). Engineers must not permit any unauthorized person Oo handle the locomotive. The termit any unauthorized person when competent, may
handle the locomotive when in road freight scrvice under the handle the locomotive when in road freight service under the
close supervision of the engineer, the craninecr being responsible.
The fircman must not be permitted to hande the locmotive in The fircman must not be permitted to handle the locomotive in
yard service or in road passenger service, except in case of yard service
emergency.
922
922 (S). Rear. vicw mirror of engines so equipped must not be
used for observing conditions or hand signals in making backup
or switching movement used for observing conditions or hand signals in
or switching movements or in making couplings.

Leaving Locomotives Unattended
922 (T). Locomotive must not be left without a man in charge, motives must not be left standing so they will block or foul ad-
jacent tracks. When locomotive coupled to cars is left unattended, hand brakes
must be set on not less than ten cars, or on all cars in case locoWhen a locomotive cquipped with operative safety control feature and with independent air brake fully applied is left unat-
tended, hand brakes on units need not be set unless engines are tended, han
slut down.
This dos not modify the requirements of Air Brakc Rate
1044 (B), which reads, "The automatic air brakes must not be a
depended on to hold a loconotive, cars or train when standing on
whether locomotive is attached or detaehed to cars or
train."
The use of independent air bralke and operutive safely control
feature, with engines idling, is sufficient for an unattended locomotive.
928 (R) Speedometors
928 (R). On locomotive equipped with speedometer, en pineor
must verify accuracy of speedometer not less than twice during
each trip, by using watch to make time each trip, by using watch to make time check between mile posts.
First check will be made at first opportunity after departure First check will be made at first opportunity after departure
from point where engineer takes charge of locomotive. Care
should be exercised to make check while speed is constant beshould be exercised to make check while speed is constant be-
tween mile posts, and, when possible, speed should be 30 MPH or over.
When check indicates speedometer is not registering correctly,
wire rert wire report must be made to train dispatcher
928 (S). When standing at inspection points, and when stopped
in yards and at points between terminals where time will permit, engineers must get on ground and inspect both sides of their
locomotive. This applies to both passenger and freight trains, and
to to any type of locomot

## Shutting Down Engines of Diesel Locomotive

929 ( $R$ ). When engines of a loconotive are shuxt down, cir
brakes must be fully applied and, in addition, front and rear of brakes must be fult applied and, in addition, f ront and rear of
a t traction wheel must the looclced, hand baralee applited on each
unit, and suff ficient hand braces must be applied throughout the unit, and suff ficient hand bralkes nust be applied throughout the
train to prevent movenent should air brafces leale off. During freezing weather, whicen diesel e ngines are shut down,
cooling water must be drained to winter level and if necessary
to prevent damage to engine, nust be drained completely. to prevent damage to enine, must be draina conpletely.
929 (S). When a locomotive is stopped in a tunnel under con-
ditions preventing prompt movement, engincs must be promptlu ditions prever
shut down.
(Continued on page 10.)

929 (S) Continued.
Local condititions

 would make it unncesssaryy to shut these engines down. safeth
of passsengers and member's of the crew must be the first considf
eration. Diesel Locomotives
930 (R). Doors of high voltage cabinets must not be opened amid $930(\mathrm{R})$. Doors of high voltage cabinets must not be opened and
adjustments must not be attempted nor made in high ovtuki
cabinets of diesel locomotives until engine has first been isolated and stopped and units hav
$930(\mathrm{~S})$. When a locomotive consisting of two or more units ist
to be moved in yards, around enginehouses, or between stations without cars, if unit at each end is equipped with eontron cata, loco-
motive must be operated from leading unit in direction of movumotive must be operated from leading unit in direction
ment unless the movement is protected by a trainman.
930 (T). When diesel units are operating with less than full more of the motors at any time enroute, train dispatcher must
be notified at first stop or first be notified at first stop or first open telegraph office.
930 (U). When necessary to break seals on equipment and con-
tron lockers on diesel road units, notation must be made on en-
gineer's work report with explanation of necessity for breaking gineer
seals.
and
930 (V). On locomotives in road service, not more than five
men must ride in control cab. Unauthorized persons, including deadhead train and engine
men, must not occupy cab of trailing unit of diesel locomotive on men, must
any train.
$990(\mathrm{~W}$. On diesel locomotives, side and end doors of engine
rooms must be kept closed while the locomotives are moving.

 Where movement is authorized by an officer, these cars may bo
handled on curves of more than 16 degrees butt not exceeding 20
den degrees at speed not exceeding 4 miles per hour. A member of
crew must watch movement closely, prepared to give stop signal

If uny indication of failure to safely negotiate the curve. Par
iicular attention must be given to lateral movement of coupler, as troaches maximum lateral movement permitted by coupler proaches
Opening. Overhang at end of these cars is greater than on otber cars and
rlearances must be watched closely when handling on curves in rlearances must be wa
vxcess of 16 degrees.
 $934(\mathrm{~T})$. When handling derrick 900305 there must be at least live cars between derrick and locomotive, or betwe any car weighing more than 240,000 pounds gross.
1001 (R). Engineer must know bef
14ine houseor from spot track that adequate airg an engine in enmaintained and that air brake equipment is functioning properly
Application and release test of independent brake must be made Application and release test of independent brake must me made
ans adition to noting brake cylinder pressure on gauge, visua
inspection must be inspection must be made to know that brakes apply when inde-
pendent brake valve is in anplication position. Hand brakes must pendeleased on all units beforc engine is moved.
When operating a light entine, running test of independent
brake must be made immediately after movement is started. When back-up movement of a lipht enkine is protected by an employee
using back-up hose running tost of brakes nust be mever using back-up hose, running test of brakes must be made with
back-up hose immediately after back-up movement is started. Lingines must he siopped before moving onto a turn-table, and
before entering cnginehousc or servicing facilitics where elevated hefore entering engine
iracks or pits arc used.
At locations where units are cut into or out of a locomotive, it
must be known that air brake hoses are counled that air is cut in and that brakes are operating properly on all units before any movement is made.
At terminals where hostler relieves incoming engineer, brakes
Inst be tested with indenent Musc be tested with independent brake valve immediately after ing properly.
Movement of locomotives at enginehouses, servicing or mainte
Movement of locomotives at enginehouses, servicing or mainte-
mance facilities must not exceed 5 miles per hour.

SPECIAL INSTRUCTIONS-FIRST AND SECOND SUBDIVISIONS

Use of Engine Whistle
the city limits of Pendlet
Use of Emgine Whistle
14 (S). Wit hin the city limitso of Pendleton, it is unlawful to
sound engine whistle excent to signal flagman or to prevent acci-
dent not otherwisc avoidable.
27 (R). Switch lights will not be used Joseph Branch;
Pilot Rock Branch.
Trains and engines must approach facing point switches on
hese branches prepared to stop if switch is not in normal posi-
tion. Train Rexistering Exceptions
$83(\mathrm{R})$. Conductors of the following trains may register by
register ticket per Operatine Rule $83(\mathrm{~A})$ :
LaGrande - Nos. 105 and 106;
Hinkle
Flas Protection
$\mathbf{9 9}$ (V). Trains may be rlap Provedection from protecting against fol-
dowing extra trains by Train Order Form Z only on the following lowing extra
branch lines:

Joseph Branch;
Pilot Rock Branch
$99(\mathrm{~W})$. In territory shown below, when main track is im-
passable or before obstructing or in any way rendering it impassable or unsafe and there are not enough men to provide flag
passable
protection as prescribed by

104 (T). Switches will be set normally at
a Grande: $\begin{aligned} & \text { Josenth Branct switch-for drill track, } \\ & \text { Switch to north } \\ & \text { drill track }\end{aligned}$ drill track;
Joseph, main track switch, east leg of wye -for wye
Joseph, switch at stem of wye-for east leg of wye;
Hinkle, junction switch, Umatilla Branch-for rum Hinkle,
track;
Hinkle, wye switches-for running track;
ast leg of wye
104 (U). At La Grande, when switching movements are being
made one est end of drill lead, derail and main track switch must
be operated by hand made on east end of
be operated by hand.

Main Track Derails
104 (V). Main track derails are located
 Treck. Dercils munst be in derint
nent is being mude over them.

Centralized Traffic C
267 (T). CTC S Stop signals located as follows are designated as
Huntington-M.P. 389.3 and 389.8
Baker -M.P. 341.7 and 342.4
La Grande -M P 289.7 and 290.2
When stopped by a "starting signal," member of crew must
communicate with dispatcher or operator and be governed by his instructions. Flagman need not be sent ahead unless instructed to do so by dispatcher or operator but movement must be made at
restricted speed and Operating Rule 269 must be complied with 268 (R). At Pendleton, trains from Pendleton Branch to exten-
sion of Track 6, must obtain permission from train dispatcher at G Grande before passing Signal 2165.

Inspection of Trains
713 (Y). Referring to Special Instruction $712(x)$, hot hox de-
tertors ure lecalect:

| Location | Retad Out. |
| :---: | :---: |
| MP 211 | Iat itrande |
| MP'243.: | Lat Gruade |
| мP 2.98 .7 | Itat ivazule |
| MP 93.36 .00 | lua lisunde |
| MP 377.75 | Len Cirande |

$713(Z)$. In addition to inspection required by other rules, all
passenger trains must be given close running inspection on the passenger trains
following curves:

First Subdivision--
M.P. 363 and M.P. 364.5 -single curve; M.P. 326.5 and M.P. $327.5-$ single curve;
M.P. 302.4 and M.P $303-$ single curve

Second Subdivision-
M.P. 281.5 and M.P. 282 -single curve;
M.P. 257.2 and M.P. 257.8 - -ingle curve;
M.P. 191.6 - 6 -single curve.

After rear trainman has completed inspection on the above curves, if everything is all right, he must give hand signal to pro
ceed; this signal must be acknowledged by two long sounds of
engine whistla. ngine whistle.

If anything unusual is detected, train must be stopped and

714 (12). Close Clearances
tracks as follows, and in add intione als alove and at the side of main structures above and at the side, of industry, stock and other tracks.
(See Operating Rulc M)

| Location | Structure or obstruction | Clearance of englne or car Is close at- |
| :---: | :---: | :---: |
| Flist Subdivision |  |  |
| M.P. 3888 | Bridge | Side. |
| M.P. 388.36 | Bridge | Side. |
| M.P. 388892. | Brid | Side. |
| M.P. 385.95 |  | Side. |
|  | Bridgo | lide. |
| M.P. | Overhead bridg | Side. |
| M.P. 3844.42 | Bridge. | Side. |
| M.P. 383.27 | Bridge | Side. |
| M.P. 388.77 | Bridge ${ }^{\text {Overhead bridge. }}$ | p. |
| M.P. 381.66 | Bridge. | Sido. |
| M.P. 381.41. | Bridgo | Sido. |
| ${ }^{\text {M.P. }} 3880.44$ | Bridge | Side. |
| MP | Bridge | Side. |
| M P. 378.75 | Bridge. | Sidd. |
| M.P. 378.77 | Tunnel ${ }^{\text {a }} 6$ |  |
| M. P 37611 | Bridke | Side. |
| M. P. 375.62 | Bridgo |  |
| M.P. 373.90 | Bridge | Side. |
| M.P. 373776 | Bridge Rridga | Side |
| M.P. 372.02 | Bridge. Bridro | Side. |
| M.P. 34394 | Bridge | Sid |
| M.P. 322.52 | Overhead bridgo | Top and S |
| M.P. 322.25 | Overlead bridge | 'Thp and Side. |
| M.P. 312.107 | Overheid bridgo | Sido. |
| Second Subdivis |  |  |
| ${ }_{M}^{\text {La }}$ P 288.22 | Second Street viduct | Top. |
| M. P. 252.52 | Bridgo | Top |
| M.P. 251.18 | Bridzo | Side. |
| M.P. 238.67. | Bridgo | Sid. |
| ${ }_{M}^{\text {M.P. }}{ }^{23}{ }^{230.57}$. | ${ }^{\text {Bridge }}$ Bridre | Side. |
| ${ }_{M} \mathrm{P} \cdot{ }^{214} 42$ | Bridge | Side |
| M.P. 2106.21 |  | Side. |
| M.P. 205.84. | Bridge | Side. |
| MP. 20491 | Bridzo | S |
| ${ }_{\text {M. P. }}{ }^{\text {M }}$ 198.26. | Bridga....... | Side. |
| Joseph Pranch | Bridgo |  |
| M.P. 2.48. | Bridgo | Side. |
| Pilot Rock Branch M.P. 0.16. | Bridgo | Top and Sido. | Chaining Cars to Rail

813 (S). Between Huntington and Pendleton, when cars are set
out on sidines on grade where there are no derails, in additior to
sett setting hand brakes and blocking wheels, cars must be chained
to rail

Track Restrictions
934 (U). On tracks listed below, only engines of types shown
may be used: (Note following are classificd as DE-Switch engines. Alco road-switch units Nos. $1280-1295$; 1000 HP units Nos.
$1000-1095,1100-1198,1200-1210,1800-1865$ and $1870-1877$.


## SPECIAL INSTRUCTIONS-THIRD AND FOURTH SUBDIVISIONS

Where Time Applies
5 (R). At The Dalles, time shown in time-table schedules and
in train orders for first class trains applies at the passent
in train orders for first
station.
Switch Lights
27 (R). Switch lights will not be used on branches shown below: Umatilla
Condon
Trains and engines must approach facing point switches on
these branches prepared to stop if switch is not in normal posi-
83 (R). Conductors of the following trions
egister ticket per Operating Rule 83(A):
$\begin{array}{ll}\text { Hinkle } \\ \text { The Dalles } & \text { - Nos. } 105 \text { and 106; } \\ \text {-Nos. 105, 106, 17, } 18,11 \text { and } 12\end{array}$

receive SP\&S clearance
87 ( $R$ Identification of Trains .Westward trins and Crates and
between Finkle and Clarke and eastward trinins between The
Dalles and Quinton, must malke necessary
identification of all
Movements in Yards
93 (R). Yard limits include territory shown:
93 (S). At points shown below, trains and engines may move
gainst the current of traffic within yard limits without being
greceded by a flagman, except when a first-class train is due or
when view is obscur
The Dalles

## Flag Protection

99 (V). Trains may be relieved from protecting against follow-
ing extra trains by Train Order Form $Z$ only on the following Ha extra rains by Train Order Form 2 only on the
Umastila Branch;
Heppuer Branch; $99(\mathrm{~W})$. In territory shown below when main track is impas-
sable or before obstructing or in any way rendering it impassable or unsufe and there are not enough men to provide flag protec-
tion as prescriber by Rule 99 (E) and perform the work, protec-
tion as prescribed by Rule 99 (F) must be provided, after which all members of the gang may assist in the work. Forcman must
maintain lookout for trains and if a train approaches, he must maintain lookout for trains and if a train approaches,
go towardit and flag it with hand signals:
Hepmer Branch;
Umatilla Branch.

## Heppner Branch; Condon Branch;

Umatilla Branch.
99 (X). On following branches between 6 A.M. and 6 P.M. daily,
a speed of 10 MPH must not be exceeded by all extra trains a proch ing and moving on curvee and where view is obscuraed, look-
ng out carefully at all points for track cars and men working on ing out carefully at all points for track cars and men working on
track without flag protection. Speed on curves must be buch as o
be able to stop within one-halt the distance trek track able to stop within one-halit the distance track ise seen to
clear and whistle signal 14 (1) must be sounded frequently Umatilla Branch
Heppner Branch;

$$
\begin{gathered}
\text { h; } \\
\text { Palles. public Crossings } \\
\text { public crossing }
\end{gathered}
$$

103 (V). At The Dalles, public Crosings .rossings must not be blocked
longer than 10 minutes. When a train is to be delayed getting in
or out of the yard, crossings must be cut immediately.
$101(R)$. No. 14 tarn-ount atches ate
an
switches in CTC territory excent:



104 (T). Switches will be set normally at:
hinkle, junction switch, Umatila Branc or running track Hinkle, switch at stem of Wye-for east
ye-for east leg of Wye.

> Centralized Traffic Control System

267 (T). For movements between The Dalles and Hinlcle, confers anthority to enter CTC territory withoul recteiving Clear-
ance Form. $B$.

## Remote Control Switch

Remote Control Switches
$\begin{aligned} & 275 \text { ( } \mathrm{U}) \text {. Remote control switches are located as follows: (See } \\ & \text { Rules } 275 \text { and } 275 \mathrm{~A} \text { ). }\end{aligned}$.

| Location | Under control of |
| :---: | :---: |
| Troutdale, junction switch to Kenton line <br> and east switch of siding on Kenton Line. | Operator, Troutdale |

Electric Locked Switches
280 (R). Crossover and Junction switches at Oregon Trunk tot., are equipped The Dalles.
Signal A 95.1 has siding indicator. (See Rule 240 L )
When this signal didglays red-over--illuminated S., it indicates
that Oregon Trunk Jct. switch and crossover to westward main that Oregon Trunk Jct. switch and crossover to west ward main
track are unlocked and crew member may hand operate switches enter westward main track
When switches are lined for movement to Westward main track,
and signal A 95.1 displays oceed to The Dalles on westward main track without receiving Member of crew on trains to and from Bend branch must rewest Operator at The Dalles via telephone, located at cross-ove

Handling Switches



Routes Through Interlocking
(605 (R). At Troutdale proceed indication of interlocking sis:nal cated just west of junction switch will authorize
fom Kenton Line to proceed to train order office.

Inspection of Trains
713 (Z). In addition to inspection required by other rules, all
passenger trains must be given close running inspection on the passenger trains
ollowing curves:

Third Subdivision-
M.P. 180.1
-single curve;
M.P. 138.2 (18.P. $\begin{aligned} & \text {-reverse curves } \\ & \text { - ingle curve; }\end{aligned}$
M.P. 129.4 to M.P. 130.0 -reverse curves.

Fourth Subdivlsion-
M.P. 68.8 to M.P. 69.2 -reverse curves
$\begin{array}{ll}\text { M.P. } 49.3 \text { to M.P. } 49.7 & \text {-reverse curves; } \\ \text { M.P. } 14.9 \text { to M.P. } 15.9 & \text {-reverse curves }\end{array}$
After rear trainman has completed inspection on the above curves, if everything is all right, he must give hand signal to pro-
ceed; this sirnal must be acknowledged by two long sounds of
engine whistle. engine whistle.
If anything unusual is detected, train must be stopped and walk
ing inspection of train must be made before proceeding

Close Clearances
714 (R). There are close clearanees above and at the side of
main tracks as follows, and in addition thereto, at platforms and other structures above and at the side of industry, stock and other

| Localion | Structure or obstructlon | Clearance of engine or car is close at- |
| :---: | :---: | :---: |
| Third Subdivislon |  |  |
| M.P. $148.49 \ldots$ | Bridgo | Side. |
| Fourth Subdivislon M.P. 69.40 |  |  |
| M.P. $69.40 .$. | Bridge | Side. |
| M. P. 61.03 | ${ }^{\text {Bridge }}$ | Side. |
| M.P. 39.90 | Bridge | Sido. |
| M.P. 32.15 | Bri | Sido. |
| M.P. 31.85 | Bridgo | Side. |
| M.P. 29.65 | Bridgo | Sido. |
| M.P. 26.01 | Bridge | Side. |
| M.P. 15.82 | Bridge | Side. |
| Troutdale | Mail Cranc | Side. |
| M.P. 15.39 | Overhead bri | Top. |
| M.P. 1025 | Underpass handrails(N.E.162nd) | Side. |
| M.P.8.19, | Underpass handrail | Side. |
| M.P. 5.43 | Overhead bridge (N.E.8.82nd Ave.) | Top. |
| M.P. 5.01 | Overhead bridge (N.E. 7 tht Ave.) | Top. |
| M.P. 4.05 | Overhead hrid |  |
|  | Tuncl Penimala Jet | an |
| M.P. 4.14. | Overbead bridge N.E.60th | Top and side. |
| M.P. 2.86 | Overbead bridge (N.E. 37 tb Ave.) |  |
| M.P. 2.59 | Overbead bridge (N.E. 33rd Ave.) | Top. |
| M.P. 0.43 (Willamette River) |  |  |
| Portland................ | Depot umbrella shed. | Top and side. |
| $\begin{gathered} \text { Umatilila Brance } \\ \text { M.P. 10.67. } \end{gathered}$ | Bridgo | Side. |

## SPECIAL INSTRUCTIONS-ALBINA TERMINAL AREA

Movements in Yards
ing instructions govern while using track
93 (T). The following instructions govern while using track Trains and engines using tracks 1 to 10 inclusive, Portland
Union Station, must move at restricted speed when passing a train receiving or disscharging passengers, and must not cross Hish
Shed at passenger station unless proceed signal is received from Shed at passenger station unless proceed signal is received from
station master or his assistant, or preceded by a member of the crew when passare over the High Shed is seen to be clear and it
is safe to proceed. is saferlocking at south end of freight and passenger yards governs all trains and engines entering or leaving yards.
When the home signal indicates Stop, the following whistle signals will be used to call for desired route: (When conditions re favorable, hand or lantern signals should be used instead of

For Albina

For S.P. \& S. to East Side.. ${ }^{\text {O }}$ or
Whe the home signal indicates Proceed, the whistle signal must not be sounded.
93 (U). Two parallel tracks between East Portland and Albina
are designated as:
Running track 1 -track nearest river;
Runing track 2-track farther from riv
These tracks are signalled for movement in both directions. hese tracks are signalled for movement in both
elephones are installed at ollowing locations:
Switch Tenders Building Randolph St.;
witch Tenders Building Randolph St
Crossover at Irving Dock Elevator;
Globe Dock Elevator, near track 1.
$\qquad$

## rack Restriction

23. (V). Referring to Special Instruction 934 ( S ), followin Ponnevilc--Powerlouse spur
934 (W). Cars weighing in excess of 263,000 pounds not per-
mitted on Condon and Heppner Branches.
Air Brake Rules

10,2 ( U ). Retaining valves must be used on descending grades
ns follow:
Condon Branch, all trains, M.P. 35 to Arlington, all retaining
valves must be used
Retaining valves must be used consecutively from head end of
When retaining valves are used, freight and mixed trains will
use five minutes moving first mile after turning up retaining valves, four minutes moving second mile and three minutes mov-
ing each mile thereafter, except where slower speed is otherwise ing each m
prescribed.

Trains and engines moving from East Portland to Albina may
enter Running tracks 1 or 2 on proper interlocking signal indication. Trains or engines moving from Albina to East Portland may
onter Running tracks 1 or 2 on receipt of proceed signal given with yellow flag or yellow light by switchtender at Harding
Street, Albina. Unless such proceed signal is received, trains and Street, Albina. Unless such proceed signal is received, trains and
engines must stop clear of switches and cross-overs at Harding
and Randolph streets. and Randolph streets.
Engines leaving Running track 1 or 2 at any industry between Albina and East Portland must report by telephone to operator-
East Portland after running track is clear and switch is propEast Portl.
crly lined.
A train A train or engine must not enter Running track 1 or Running
track 2 at any intermediate location, or cross from one running
track track a the other without parmission from operator at East
track to the tring
Portland. Operating R Portland. Operating Rule 513 will apply.
Normal position of all switches onther Normal position of all switches on these tr
and East Portland is for the running tracks.
Switchtender at Albina must not give proceed signal to a train or engine moving beyond Albina A venue to enter running tracks
without first securing permission from operator at East Port without first securing permission from operator at East Port-
land, nor may operator at East Portland clear interlocking signal
for a train or entine which is to move beyond interlocking limits for a train or engine which is to move beyond interlocking limits
to enter these tracks without first notifying switchtender at to ente.
Albina.
On
Operator East Portland and switchtender Albina will arrange
for movement of trains or engines on right hand track in direcfor movement or trains except in emergency or for movement
tion of their movement, which requires that track to the left be used Operator East Portand will maintain a record on prescribed
form showing occupancy of Running tracks 1 and 2 and oper-
$u$ tors ators' transfer occupancy of include traning tracks 1 and 2 and oper-
cleared these tracks when transfer is made.

Railroal Crossings and Junctions
98 (R). Trains and engines must be governed by the following

at the railroad crossings and junctions indicated. | at the railroad crossings and junctions indicated. | $\begin{array}{l}\text { be placed under shed on Rip track } \\ \text { or inside Freight House, Albina. }\end{array}$ |
| :--- | :--- |

Turning Cars


Riding Leading End of Engines
Riding Leading End of Engines
103 (T). Trainmen need not ride on leading platf
steps of engine over crossings Albina Terminal Area

104 (W). Cross-over switches on tracks 21 to 26 inclusive must.
he left lined for straightit track ufter huving been used. Centralized Traffic Control System
267 (V). Trains or engines need not receive Clearance F'orm
for movement in CT'C territory, Allinua Terminal Area.
Interlocking

605 (S). To indicate the route to be used through interlocking,
the following whistle signals will be used:


Monements from, Alrina to East Portlancl will not sound
whistle signals for route enless governing signal indicates Stop Close Clearances
Close Clearances
714 (R). Shere are close clearances above and at the side of
main tracks as follows and in addition thereteto at plattormma nd
other structures bove and at the side of industry, stock and other tracks. (See Operating Rule M.)

## $J_{j}^{J}$

| Location | Structure or obstruction | Clearance ol engine or car is close at- |
| :---: | :---: | :---: |
| M.P. 15.82 | Bridgo | Side. |
| M.1. 15.39 | Overhead bridge |  |
| M. P. ${ }^{\text {P }} 10.29$ | Undorpass landrails(.N.J. 162nd) | Sido. |
| M.P. 5.43 | Overhead bridgc (N.E.S.82id Avo.) | Top. |
| M.P. 5.01 | Overhead bridge (N.E.74th Ave.) | Top. |
| M.1P. 4.65 | Overhead bridge (N.E. HITlsey). |  |
| M.P. 4.5 | Tunnel (Peninsula Jet.) | Top and side. |
| M.P. 379 | Overriead brigge (N.E.60th Avo.) | ${ }_{\text {Top and sid }}^{\text {Top and sid }}$ |
|  | Overliad bridge (N.T. 37 th Avo.) |  |
| M.P. 2.59 | Overload bridge (N.E. 33rd Ave.) |  |
| M.P. 0.43 (Willamotto River) Portand Portland | Bridgc. <br> Depot umbrella ahcd | Side. <br> Top and side | Switching Olerations

## Track Restrictions

93.4 (U). On
may be used: road-switch units Nos. $1280-1295,1000 \mathrm{HP}$. Hits . Nos. $1000-$
$1095,11100-1198,1200-1210,1800-1865$ and $1870-1877$.) must not the operated over the following trucks without autlority from the Yardmaster

Locati
Kenlun Line
(irvhim, In Iine
st

## 

West End Allinina
Larvalice Flats

placed. Cars or loads of excessive height or width must no
1,2 or 3 , under load shifter

810 (W). At Terminal 4, when Chergill switch engine is tied


We used:


| Location | Track | Engine Permitted |
| :---: | :---: | :---: |
| Lestst Portlanct | Docrubecticr's |  |
| Kenton | Smithwick Spur |  |
| Kenton | Sunsline Biscuit |  |
| Albin: | Swpur Island |  |
| St. Johns | Willaunctic Tum | DE-Switch |
|  | culd 3arge Sppurs on River Side |  |
| Terminal No. 4 |  |  |
| Orckon Slie, Yard | V:rrious spurss :und |  |
| Union Carlide |  |  |

934 (X). Referring to Special Instruction 934 (R), All Subvisions. following locations, 85 -foot rail trailer fat cars may be handled on curves in excess of 16 de drees as provided therein:
Between Albina and east end of Steel Bridge, Portland;
Between East Portland and east cnd of Steel Bridge, Tortland. $934(Y)$. Freight cars in feet or ware in length of any type or
5) feet or movre in length when equipped with hyylru-cushion,

## SPECIAL INSTRUCTIONS-FIFTH SUBDIVISION <br> OLYMPIA AND GrAYy Hurbor branches

27 (R). Switch lights will not be used on branch shown below: Trains and engines must approach facing point switches on thly
ranch prepared to stop if switch is not in normal position. Train Registering Exceptions
83 (R). Conductors of the following trains may register by Black Ryer-All Operating Rule 83 (A)
Reservation-All westward trains. At Argo, only trains which oringinate or terminate in UI yard at that station will register.
At Centralia, Grays Harbor Branch trains originating or terminating at Blakeslee Jet. must register in UP train
register at NP telegraph office. register at NP telegraph office.
D-83 (R). Information required by Operating Rule D-83 nee
not be received at: Clearances
Clearances
$83 \begin{aligned} & \text { (S). Clearance Form A must be received as follows: } \\ & \text { Black River-all westward trains. }\end{aligned}$ Argo -all eastward trains.
Centralia $\begin{gathered}\text { - all eastward trains. } \\ \text { originating at Blakeslee Jct.; }\end{gathered}$
Aberdeen - all enstward trains;
Northern Pacific
clearance must be received as follows:
Reservation -all eastward second-class and extra trains
passing through Tacoma;
Tacoma, U.P. Junction. $\quad$-all eastward second-class and extra trains
-all eastward second-class and extra trains
83 (T). Trains are nor required to receive a clearance as per
Operating Rule 83 (B) as follows:
Seattle-eastward trains. Clearance received at Argo by
an eastward train confers same authority on
Fifth Subdivision as when received at Seattle.
Movements in Yards
93 (R). Yard limits include territory shown:
Aberdeen-between yard limits sign just east of Cosmopolis
and N. P. yard limit sign at Myrtle St. west
Olympia Branch
Aberdeen depot limit sign at Myrtle St. wes
Olympia Branc From yard limit sign near switch at
stem of Wye East Olympia to and in-
cluding Olympia.
Railroad Crossings and Junction
98 (R). Trains and engines must be governed by the following

| Location | Railiroad Crossed or Juncllon WIth | Trains <br> Which Have <br> Precedence | How Governed |
| :---: | :---: | :---: | :---: |
| Ifelsin! Jet. | C.M.St.P \& P | U. P. | Stop siuns. |
| South Ahordeen. Tonovan Mill) | N. P | N. P. | Stop signs. |
| Olympia. (Jeffersun anil 7 th Sts.) | N. P. | U. P. | Stop aigns |
| Tacnara. (Dempsey Miil Spur) | N. P. | N. P. | Stop Rigns. |
| Ticorra. Tidewater. | N. P. |  | Semi-automatic interlocking Special Instruction 98 ( S ). |
| $\begin{aligned} & \text { Scattlc, (Duwamingt } \\ & \text { Ave. and Fast } \\ & \text { Marginal Way.) } \end{aligned}$ | $\begin{aligned} & \text { (i N. N. P. } \\ & \text { C. M. St.P. \&P. } \end{aligned}$ | $\begin{aligned} & \text { G. N. } \\ & \text { C. St. } \\ & \text { P. \& P. } \end{aligned}$ | Stop Signs |
| Seattle, (East Marginal Way \& Spokane St.) | N. P. | N. P. | Stop Signs |
| Seattle (Railroad Ave. and Atlantic St.) | $\begin{aligned} & \text { G.N. } \\ & \text { N.P. P. P. } \\ & \text { C.M.St. \& P. } \end{aligned}$ | $\begin{aligned} & \text { G. N. } \\ & \text { N.P. } \\ & \text { N.M.St.P.\&P. } \end{aligned}$ | Stop Signs |

98 (S). At N.P. Crossing, Tacoma-Tidewater, when stopped by
remi-automatic interlocking signal and no conflicting movement ls cvident, a member of crew must go to the crossing, push time
rolease rolease push-button, hold for five seconds, then release. At ex-
piration of time interval, indicator lamp will light to indicate time Interval has expired. If signal does not then change to permit groceed if no train or engine is approaching on conflicting routes. So operating rule 672.

Drawbridges
98 (T). Trains and engines after stopping at stop signs must
not proceed onto draw span of bridge between Montesano and South Montesano until they have called for, received and and
knowledged proceed signal from bridge tender, and in addition
nust Must be governed by position of deraiil located 128 feet east, and
derail located 195 feet west of trestle leading to drawtid derail ocated 195 feet west of treste leading to drawbridge. Dur--
ling certain hours each day draw span will be left open for river
traffic and derails will be set in derailing position. If necessary trar train or engine to ue se drawbridge doring sosition. If necessars notify
for
Agent Montesano or dispatcher to call drawbridge operator. 98 (U). At Tacoma, all trains and engines after stopping at
stop signs must not proceed onto draw stop signs must not proceed onto draw span of bridge until they
lave called for, received and acknowledged proceed signal from hridge tender.

Flag Protection
99 ( W). In territory shown below when main track is impas-
sable or befor kablc or before obstructing or in any way rendering it impassable
or unsafe and there are not enough men to provide flag protecor unsafe and there are not enough men to provide far protec-
liin as prescribed by Rule 99 (F) and perform the work, protec-
lion as prescribed by Rule 99 (F) must be provided, after which nill membcrs of the gang may assist in the work. Foreman must
muaintain lookout for trains and if a train approaches, he must ko toward it and flag it with hand signals:
Olympiays Harbor Branch.
99(X). On following branchcs between 6 A.M. and 6 P.M. laily,
a speed of 10 MPH must not be exceeded by ali extra trains approaching and moving on curves and where view is obscured, lookng out carefully at all points for track cars and men working on
lrack without flag protection. Speed on curves must be such as to be able to stop within one-half the distance track is seen
clear and whistle signal 14 (1) must be sounded frequently:

$$
\begin{aligned}
& \text { Olympia Branch; } \\
& \text { Gravs Harbor Bran }
\end{aligned}
$$

Olympia Branch;
Grays Harbor Branc
Unusual Conditions
101 (R). Seattle, st Rail-Barge Docks, Harbor Island, employes
musst not ride on sides, ends or tops of curs being moved on or off

 Mhy movement is nude on or off burges. All cars must have air
l, mulies crt-in and opcrative whice moving on or off barges and hrukes cut-in antl operative when moving on or off barges and
ull movements must be made with extreme care. To avoid improper coupling of cars against bumper couplers
Iocated bow-end of barges, no coupling will be made with more locatell bow-end of barges, no coupling will be made with more
cars thun the barge track will hold, not including empty reacleer

Engines are not permitted on apron of barge slip.
Movements at Olympia
103 (X). At Olympia, City Ordinance relating to the movement
of railroad trains and railroad traffic provides for the following: 1. No car or cars are to be kicked or dropped over any street
grade crossing, or along any tracks extending along any streets grade crosstely
or immediadjacent to any streets. 2. All switch movements over crossings, unless protected by
automatic signal devices, must be protected by flagmen. (Continued on page 17.)

103 (X) Continued.
3. No locomotive, railroad car or cars may be left unattended
on any main track having a grade of $1 \%$ or more. 4. No street or street crossing may be blocked to vehicular 5. Not more than 3 consecutive street intersections may be
blocked by any moving train at any given time. 6. Not more than 2 consecutive street intersections may be
blocked by any standing train at any time. 7. No switch move may exceed a speed of 5 MPH at any inter-
section within the City of Olympia. 8. When switch movements across grade crossing have been
completed and the crossing cleared, reverse movement across such completed and the crossing cleared, reverse movement across such
crossing may not be made until all accumulated vehicular traffic
at the crossing shall have cleared the intersection. at the crossing shall have cleared the intersection.
9. Switch movements of engie and 5 cars only may be moved
across whe following crossings between the hours of $7: 30$ A.M.
and $8: 15$ A.M. $11: 50$ A.M. and
and 8:15 A.M. .11:50 A.M. and 12:20 P.M., h2:40 P.M. and $1: 05$
P.M., $3: 25$ P.M. and 3:45 P.M. and between 4:50 P.M. and 5:30

> East Union A venue Legion Way East Fourth A venue

Columbia Street at
West Seventh
East Fourth A venue West Seventh
East State A venue
10. No public road or street crossing may be blocked to ve-
hicular traffic by any standing engine, car or train during the hours prescribed in paragraph 9 above
11. No car may be left standing on any track within 25 feet of
a street right-of-way-line, except on spurs or sidings serving a street
industries.
The
ine items listed above are in addition to any other regulations
Ther
Therning railroad traffic in effect at Olympia, and violation cargoverning railroad tra
ries a heavy penalty.

Public Crossings
103 (Y). At Fifteenth Street, Tacoma, all trains and engines
must stop and a member of the crew must be sent ahead to act
Switches
Switcher
04 (T). Switches will be set normally at
Tacoma Jct., ,unnction swith-for C.
Aberdcen, switch at end of
Aberdcen, switch at end of double track- for eastward
trains;
South Mo
west leg of esano, wye switch on Montesano Branch-for west leg of wye;
Helsing Jct., junction switch—for U. P. main track.

Staff System
301 (R). Movements on Olympia Branch are governed by Stafli
system Single staff will be used, located in staff box on right side of
door of trainman and engineman locker room, Olympia. Trains or door of trainman ard engineman locker room, Olympia. Trains or
engines must secure this staff before using Olympia Branch east
of engines must secure this staff before using Olympia Branch east
of Union Avenue, City of Olympia, and must retain staff until movement is completed.
Trains or engines must not move from East Olympia to Tum-
Ther Water. Yard or Olympia without having staff in their possession.
When such movement is necessary, dispatcher will instruct how When such movement is necessary, dispatcher will instruct how
staff will be obtained.
After movements are completed, staff must be placed in staff After movements are completed, staff must be placed in staff
box and securcly locked.

## Interlocking

605 (T). To indicate the route to be used through interlocking,
he following whistle signals will be used:
At Arg
For Seattle
For yard lead
From Seattle to Pacific Coast R. R.. o
From Argo yard to Georgetown lead Close Clearances
$714(\mathrm{R})$. There are close clearances above and at the side of
maiu tracks as follows, and in addition thereto, at platforms and
other structures above and at the side of industry, stock and other
tracks. (See Operating Rule M.).

| Location | Structure or obstruction | Clearance of Ongine or car is close at- |
| :---: | :---: | :---: |
| Flith Sublivision |  |  |
| Tacoma.... | N. P. overheid bridge to draw span. | Top and side. |
| T.acoma. | Yiaduct (15th St.) | Top and side. |
| MP. 146.93 | ${ }_{\text {Bridgo }}$ |  |
| M.P. 174.68 | Bridge | Side. |
| Seattle (Nlbro Place)...... | Overbead bridgo | Side. |
| Seattle (Eighth Avo. So.) | Overhead bridze | Top. |
|  | Deporbead umbridge. ${ }^{\text {deb }}$ | Top and side. |
| Seatto (Jackson St.) | Overhead bridge. | Top. |
| Olympla Branch |  |  |
| M.P. 5.23. | Tunnel No. 25. | Top and side. |
| M.P. 5.75. | Tunnel No. 26. |  |
| M.P. 6.75 | Overbaad bridge | Top a |
| Grays Harbor Branch |  |  |
| M.P. 1.26 . | Bridge | Side. |
| MP. 4353 | Overhead brid | Tope |
| Cosmopois, | Weyerriauser Plant | Sido. |
| M.P. 53.33 | Bridgc. ................. | Side. |
| $\begin{aligned} & \text { Montessino } \\ & \text { M.P. } 0.31 \end{aligned}$ | Bridgo. | Sido. |

714 (V). Employes are warncd that overhead clearances to locations shown below. Trolley wires must not be be touched and
lot


N. ${ }^{714}$ (W). At Olympia, account insufficient clearance between N. P. connection sale track and main tract, trains or engines
must not attempt to pass on main track if trains or engines are
moving on connection. At Aberdeen, account insufficient clearance hetween coach
track No. 1 just east of passenger station and main track at turnout, trains and engines must not attempt to pass on main track i
trains or engines are moving on coach track No. 1.
Track Restrictions

934 (U). On tracks listed below, only engines of types show ay be used:
(Note-following are classified as DE-Switch engines. Alco
road-switch units Nos. $1280-1295$; 1000 HP units Nos. $1000-1095$,
$1100-1198,1200-1210,1800-1865$ and $1870-1877$.)

| Location |
| :--- |
| Seattle |
| Seattle |
| Seattle |
| Seattle |
| Aberdeen |
| Hoquiam |

Various Spurs along 5th
Avenue
Various Spurs along East
Marginal Way
Various Spurs on 11th
Ave. S. W.
Various Spurs on Alaskan
Varay
Various Front St. Spurs
Grays Harbor Chair Spur

IJE-Switch

931 (V). Referring to Special Instriction 9.34 (S), followins
rutces hliwe curvature in exceess of 30 degrees:
SEATTILE:

| 1 trueti, Willow St. lend spur <br> 1 track, S'tenoff Metal Co. <br> 1 track, Istancson Lron Works |
| :---: |
|  | 2 tracks, Manson

Construction
Inarnor Tistarrul
-1 track, Seattle Iron \& Metal Co

 Intas, , everse cur
IV.S. (Iypsum Co.

## SPECIAL INSTRUCTIONS-SIXTH SUBDIVISION

YAKIMA, SUNNYSIDE, TEKOA, PLEASANT VALLEE, WALLULA, MOSCOW, CONNELLHE
POMEROY, TUCANNON. PENDLETON, DAYTON, WALEACE, AND SIERRA NEVADA BRANCIE

Use of Engine Whistle
14 (T). Within the city limits of Sookane, Pendleton and Pomman or interlocking operator, or to prevent accident not other man or interloc
wise a avoidable.
At Walla Walla, the use of the engine whistle at the public
crossings at West Cherry Street and Gardeners' Association just west of Mill Creek Bridge, is prohibited except to prevent ac
Switch Light
27 (R). Switch lights will not be used on branches shown below Pomeroy,
Dayton,
Sierra Sierra Nevada
Tucannon, Tucannon,
Moscow,
Trains and engines must approach facing point switches on
hese branches prepared to stop if switch is not in normal position.
83 (R) Train Registering Exceptions
83 (R). Conductors of the following trains may register by
egister ticket, per Operating Rule 83 (A):

ward Northern Pacific truins leaving Union Pacific Tastward Northern Pacific trains leaving Union Pacific track
via envst leg of wye at Wallula will register My registering tickel it Attaliti. Condthetor of surint trains sill report arrival at Attali
by teleplone to operator, Wallula.
Clearances
83 (S). Clearance Form A must be received as follows: Ay Crossing-All westward Sixth Subdivision trains Dishman -All westward Tekoa Branch trains Walla Walla_All originating at East Spokane;
Wallula Wallula
Wallula All eastward Wallula Branch trains;
-All eastward Y Yakima Branch trains
83 (T). Trains need not receive Clearance Form East Spokane,
Hooper Jct., ucannon, Sucannon,
Starbuck,
La Crosse
Seltice,
Colax.
When train order signal indicates Proced
eive clearance as per Operating Rule 83 (B) as follows:
Railroad Crossings and Junctions

| Localion | Railroad Crossed, or Junction Wilh | Yrains Which Have Precedence | How Governed |
| :---: | :---: | :---: | :---: |
| Manongo. <br> (M.P. 306.6) | C.M.St. P. \& P. |  | Automatic llock signals. |
| Sipokane. N. P. Crossing (M.P. 369.2) | N.P. |  | Interlocking. |
| Spokano. G. N. Crussing | G. N. |  | Automatic Interlocking. |
|  | C.M.St. P. \& P. |  | ^utomatic block signals. Spocial Instructions 98(V). |
| (iarrield. (M.P. 95.4) | N.p. | U. P. | Stop signs. |
| Colfax. (M.P. 77.3 ) | G. N. | U.P. | Gato stet against G. N. |
| Oakesdale. (M.P. 39.68) | G. N . | U.P. | Stop signs. |
| Onkesdalc. (M.P. 39.65) | N. P. | N.P. | Stop eigns. |
| $\begin{aligned} & \text { Thorruton. } \\ & \text { M.P. 30.7) } \end{aligned}$ | G. N . | U. P. | Gate. |
| Riparia. (M.P. 17.4) | N. P. | U. P. | ${ }^{\text {Gate set agrainst }}$ N. P. |
| Walla Walla. (M.P. 47.2) | N. P. | U. P. | Stop signs. |
| Walla Walla. (M.P. 46.6) | w. w. v. | U.P. | Gate. |
| Tangdon' (M.P. 44.2) | w. w.v. | U.P. | Gate. |
| Milton. (M.P. 36.3) | w. w.v. | U. P. | Gate. |
| Parker. (M.P. 91.3) | N.P. |  | Automatic Intorlocking. |
|  |  |  | (Continued on page 19.) |


| 98 (R) Continued. |  |  |  |
| :---: | :---: | :---: | :---: |
| Location | Railroad Crossed, or Junction With | Trains Which Have Precedence | How Governed |
| Donald. (M.P. 89.35) | N. P. (Eauntlet track). track). |  | Automatic Interlocking Special Instruction $672(\mathrm{R})$. |
| Garrett. (M.P. 28.7) | w. w. v. | U. P. | Gate. |
| Dayton. (M.P. 13.00) | N.P. | U. P. | Stop signs. |
| Dayton. (M.P. 13.01) | N. P. | U. P. | Stop signs. |
| Pullman. (M.P. 19.3) | N. P. | U.P. | Stop Rigns. |
| Wallice. (M.P. 80.4) | N. P. | U.P. | Stop signs. |
| Wallico. (M.P. 80.6) | N.P. | U. P. | Stop gigns. |
| Plummer Jct. (M.P. 16.2 ) | C. M. St. P. \& P. |  | Special Instructions 98 (W). |

98 (V). At Manito, junction switch will be lined normally for
movement from Union Pacific to C.M.S.P.\&P. Upper unit of Block Signal 1437 governs movement from Union Pacific to
C.M.St. C.M.St.P.\&P

98 (W). At Plummer Jct. movement from Union Pacific connec-
tion to C.M.St.P.\&P. main track is poverned by dwarf signal at tion to C.M.St.P.\&P. main track is. governed by dwarf signal at
clearance epoit on U.P. connection. When illuminated "S" is dis-
played switch played, switch may be lined. Ift signal then then displays proceed indi-
cation, movement may be made to C.M.St.P.\&P. main track.

$$
\begin{aligned}
& \text { except that if such authority is not received, a menber of crew } \\
& \text { nust determine that drow span is properly closed and locked, } \\
& \text { and give proceed signch when saf fo to proceed. }
\end{aligned}
$$

$$
\begin{aligned}
& 98 \text { (Y). At M.P. } 17.23 \text {, Tekoa Branch trains must stop before } \\
& \text { passing over drawbridge and may then procecd if draw span is } \\
& \text { scen to beclosed. }
\end{aligned}
$$

## Flag Protection

99 (V). Trains may be velieved from protecting against follow-
ing exta trains by train order Form $\mathbf{Z}$, only on the following
hranchlinesi branch lines:

Connell Branch between Hooper Jct. and Connell;
Dayton Branch hetween Dayton and Turner;
Dayton Branch
Pomeroy Branch
Pater
Moscow Branch;
Pleasant Valley Branch
Pendleton Branch between Walla Walla and Alto.
W alluce Sruncl Setween 1 Plummer Jlt and Kello
Walluce ${ }^{\text {Br }}$
Wirdner
99 (W). In territory shown below when main track is impas
sable or beforc obstruct ing or in any way rendering it in assab *able or beforc obstructing or in any way rendering it impassable or unsafe and there are not enouph men to provide flag protec-
tion as prescribed by Rule 99 (E) and perform the work, pro-
to tection as srescribed lyy Rule 99 (F) must be provided, after
which all members of the gang may assist in the worle Fore which all members of the gang may assist in the work. Foreman
must maintain lookout for trains and if a train approaches, he must mo toward it and flag it with hand signals

Pendleton Branch;
Dayton Branch, bet
Dayton Branch, between Turner and Dayton Jct. and
between Waitsburg Jct. and Bolles;
Moscow Branch;
Pomeroy Branch;
Pomeroy Branch
Connell Branch;
Yakima Branch, between Richland Jct. and Yakima
Wallula Branch, between Zangar Jet. and Walla Walla
Wallace Branch, between Plumper Jet.

## Sierra Nevada Branch; Pleasant Valley Branch;

Tekoa Branch;
Tucannon Branch.
99 (X). On following branches between 6 A.M. and 6 P.M. daily,
a speed of 10 MPH must not be exceeded by all extra trains ap proaching and moving on curves and where view is obscured looking out carefully at all points for track cars and men working to be able to ston within one-half the distance track is seen to bc

Dayton Branch
Alto to Bolles (on
Tucannon Branch $)$;
Hooper Jot.to Connel (or
Connell Branch) ;
Alto to Bolles (on
Pendleton Branch)
Pendleton Brah
Pomeroy Branch

103 (Z). The following will govern trains and engines at the

Localion Instruclions
Spokawe-Modelia and
Washington Street.


All engines using switcling tracks must stop clear or
Crosing and nember of crow will ascertain that tlashing
rositind arsith simals areo operoting and bolls ringing before pron
cecding over crosing. Cars must not too leet within 30 ceaceng over crossing. Cars
feet on eitlier side of crossing.
 1:30 $\Lambda M$ and $1: 30$ PM, $5: 00$ PM and $7: 00 \mathrm{PM}$. B
ween $6: 00 ~$
$M M$ ments across tho street is linited to to wenty, and the
gtrect must not bo crosed when to do so would inter upt traffic
Member of crow must be on ground and stop vehicular
tratilic beofrer movement is madde by train or congino over all crosengs, oxcerpt whore erosesing is protetected by auto-
matio flasling light signals which are in operation. Membor of crovy must be on ground and stop tratfic be-

Switches
104 (T). Switches will be set normally at: inkle-Switch at stem or wye-for east leg of wye; airfield - switch . Con to G... connection on siding--eltice-for line via Colfax;
Winona-for line via Colfax;
aCrosse-Connell Branch switch-for Connell Branch;
ucannon-for line via Pataha; ucannon-for line via Pataha;
Riparia-Juction switch or movent to Camas Prairic,
Walla Walla-East wye switch Pendleton Branch - fo Pendieton Branch,
Wye switch Wallula Branch-for movement to east leg of wye; , Walnut Street-for main switching lead
104 (U). Main track derails are located at the following points:

## Poneroy (M.P. ${ }^{9.659}$ ) (M.1. 29.91 )

Diyton
100) fect
(x) fect east of (depot) 50 feet east of w,
cannery track)
erail will be set in clerailing posi-
tion only when cars are left stand tion only when cars are left stand
ing on main track above it.


20


Air Brake Rules
$1029(\mathrm{R})$. Running test as prcseribed in Air Brake Rules 102.9,
$1029(\mathrm{~A})$, 1020 (B) and 1029 (C) must be made before descending grades as follows:

Tekoa Branch-eastward trains at Darknell and Freeman; -west ward trains at Jerita;
Pendeton Branch
-eastward trains at Weston;
-westward trains at Alto.
1029 (S). At Spokane Union Station, passenger trains will
make running air test only after leaving the elevated structure. 1041 (R). Brake pipe test, as prescribed in Air Brake Rule 1041, must be made on all freight trains before d descending grade Wes-
ton to Barrett, Relief to Starbuck, Alto to Menoken, Crest to Colfax, Plummer Jct. to Chatcolet, Burke to Wallace, Sierra Nevadn
Branch end of track to Bradley. fax, Plummer Jct. to Chatcolet,
Branch end of track to Bradley.
10.12 (V). Retaining valves must be used on descending grades
us follows: On all trains Crest to Colfax, Relief to Starbuck, Weston to
Barrett, Burke to Wallace and Sierra Nevada Branci end of track to Bradley, all retaining valves must be used.
On freight trains descending grades Mica to Chester and Darknell to Rockford and on fright and mixed trains Jerita to Hay, Alto to Menoken, Turner to Dayton, trains averaging not to ex-
cecd fifty gross tons per operative lmake may le handed without
the the use of retaining valves. On trains averaping to exceed fifty
gross tons per operative brake, one falf of all retaining valves kross tons per opcrative brake, one fialf of all retaining valves
must be used.
Retaining valves must be used consecutively from head end of When retaining valves are used, freight and mixed trains will use five minutes moving first mile after turning up retaining valves, four minutes moving second mile and three minutes mov-
ing each mile thercafter, except where slower speed is otherwise
nrescribed.

SPOKANE INTERNATIONAL RAILROAD COMPANY
spoikane subdivision anil coeur d'alene brancli

| se of Envine Whistle <br> 14 ('I'). Within the city limits of Spokane, it is unlawful to sound engine whistle except to signal flagman or interlocking operator or to prevent an accident not otherwise avoidable. |  |  |  |
| :---: | :---: | :---: | :---: |
| Railroad Crossings and Junctions <br> 98 (R). Trains and engines must be giverned by the following at the railroad crossings and junctions indicated: |  |  |  |
| Localion | Railroad Crossed or Junction With | Trains <br> Which Have <br> Precedence | How Governed |
| Spokane. (M.P. 0.03) | U.P. | U.P. | Stop Signe. |
| Spokano. (M.P. 0.04) | G. N. | G. N . | Stop Signs. |
| $\begin{aligned} & \text { (irnand Junction } \\ & \text { (M.P. 21.99) } \end{aligned}$ | N. P. | v. P. | Stop signs. |
| Grand Junction (M.P. 22.13) | C. M. St. P. \& P. | S. 1. | Stop signs. |
| Sandpoint (M.P. 75.2) | G. N. | G. N., N. P. | Stop signe. |
| $\begin{aligned} & \text { Bouners Ferry. } \\ & \text { (M.P. 109.4) } \end{aligned}$ | G. N. | G. N. | Stop signs. |
| Coeur d'Alene Branch Gilbs. (M.P. 7.79) | G. N . |  | Stop signs. |
| $\begin{gathered} \text { Cucur d'Aleno } \\ \text { (M.P'.8.71) } \end{gathered}$ | G. N. | G. N. | Stop signs. |
| Flar l'rotection <br> 99 (X). On Cocur d'Alene Branch between (i A.M. and 6 P.M. daily, a speed of 10 MPFI must not be exceeded by all extra trains approaching and moving on curves and wher sors mond morking looking out carefully at all points for track car's and men working as to be alle to stol) within one-half the distance track is seen to be clear and whistle signal 14 (1) must be sounded frequently. |  |  |  |
| Public Crossings <br> 103 (Z). The following will govern trains and engines at the public crossings named below: |  |  |  |
| L.ocstion |  |  | ructions |
| Spokane-- <br> Monroo Street Howard Strect Mallon Avenue Greene Strect | Member of crew must be on ground and stop vehicular traffic movement buform movement is mado by train or engine over crossings except where crosing is protectedby automatic flashing light signals which aro in oporation. |  |  |

rating of diesel locomotives in freight service in tons of 2000 pounds Total weight of train exclusive of locomotive, which the different olasses of locomotives will haul in each direction between
stations named, under favorable weather conditions. Rating shownit for single unit. If more than one unit, rating of combined units will govern.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| First subdivision |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Huntington to Durkec | 4050 | 4000 | 3880 | 1500 | 1720 | 2850 | 1700 | 2000 | 1880 | 1900 | 1950 | 21500 | 3350 |
| Durkee to Encina | 1910 | 1900 | 1880 | 700 | 820 | 1320 | 800 | 950 | 900 | 900 | 920 | 1150 | 1500 |
| $\underset{\substack{\text { Encina to } \\ \text { Powder }}}{\text { North }}$ | 8000 | 8000 | 8000 | 3200 | 3450 | 5650 | 3450 | 4000 | 3:00 | 3800 | 400 | 4800 | 6450 |
| North Powcler to | 4050 | 4000 | 398 | 1500 | 1720 | 2850 | 170 | 2000 | 1880 | 1900 | 1950 | 2.400 | 3250 |
| Tolocasot to La Grand | 8400 | 400 | 8.400 | 300 | 3600 | 5950 | 3000 | 4200 | 410 | 4000 | 4201 | 5050 | 6800 |
| La Girande to Union Jct. | CL | cL | oL | cL | CL | CL | CL | CL | CL | CI, | CL | Cl. | CL |
| Union Jet. to Telocaset | 2750 | 2750 | 2750 | 1050 | 1100 | 1950 | 1200 | 1400 | 1350 | 1350 | 1350 | 1700 | 2250 |
| Telocaset to Jaker | 5800 | 5800 | 5810 | 2300 | 2500 | 4700 | 2500 | 2950 | 2850 | 2800 | 2950 | 3500 | 4700 |
| Baker to Encina | 2750 | 2750 | 2750 | 1050 | 1100 | 1980 | 1200 | 1400 | 1350 | 1350 | 1350 | 1700 | 2250 |
| Encina to Huntingon | OL | Cl . | CL | OL | Cl . | CL | OL | OL | ${ }_{6} 1$ | OL | OL | Cl . | OL |
| ( SECOND |  |  |  |  |  |  |  |  |  |  |  |  |  |
| La Girande to Hilgard | 4820 | 4820 | 4820 | 1820 | 2080 | 3400 | 2050 | 2400 | 2280 | 2300 | 2380 | 2500 | 3350 |
| Hiliaral to Kamola | 1910 | 1900 | 1880 | 700 | 820 | 1320 | 800 | 950 | 900 | 900 | 950 | 1150 | 1500 |
| Kamela to Hinkle | 9600 | 9600 | 9800 | 3850 | 4100 | 6800 | 4100 | 4850 | 4700 | 4600 | 4850 | 5800 | 7750 |
| Hinkle to Duncan | 3800 | 3800 | 3800 | 1500 | 16.40 | 2700 | 16.10 | 1950 | 1900 | 1850 | 1950 | 2300 | 310 |
| Duncan to Kamelia | 2100 | 2100 | 20.50 | $8(0)$ | 900 | 1475 | 900 | 10.50 | 100 | 100 | 102 | 130 | 1700 |
| Kamela to La Graule | CL. | cl | CI, | CL, | CL | CL, | ct. | Cr, | (1). | (1) | (1, | ch. | CL |
| THiR1) SUBDIVISION |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Hinkle to Munley | 7000 | 6900 | 6800 | 2700 | 3000 | 4900 | 3000 | 3.500 | 3300 | 3.400 | 3500 | 5600 | 7550 |
| Munley to 'lio Dalles | 9999* | 0999* | 9999* | 1150 | 4500 | 7500 | 4500 | 5300 | 51.50 | 5050 | 5300 | 6300 | 8500 |
| The Dallus to Soufort | 0100 | 8100 | 6100 | :2300 | 2600 | 4300 | 2600 | 3050 | 2850 | 2900 | 3000 | 5250 | 6200 |
| Soufert to M.P. 108 | 9999* | 9999* | 9999* | 4750 | 5200 | 9999* | 5260 | 6200 | 5900 | 5800 | 8200 | 7300 | 9999* |
| M.P. 108 to M.P. 114.5 | 6100 | 0100 | 6100 | 2300 | 2600 | 1300 | 2600 | 3050 | 2850 | 2150 | 3000 | 3750 | 5000 |
| $\begin{gathered} \text { M.P. } 114.5 \text { to } \\ \text { Boardinan } \end{gathered}$ | 9999** | 9999* | 99993* | 47 | 5260 | 9999** | 5260 | 0200 | 9500 | 5800 | 6200 | 7300 | 9999* |
| Boardnuin to Hinkle | 6100 | 6100 | 0100 | 2300 | 2600 | 1300 | 2800 | 30.50 | 2850 | 2:00 | 3000 | 375 | 500 |
| SOURTII |  |  |  |  |  |  |  |  |  |  |  |  |  |
| The Dallos to Crates | 7000 | 0900 | 6800 | 2700 | 3000 | 4900 | 3010 | 3500 | 3:00 | 3400 | 3500 | 5600 | 7750 |
| Orates to Albina via Konton | 9999* | 9909* | 9999* | 47500 | 5280 | 9999* | 5260 | 6200 | 5000 | 5800 | 6200 | 7300 | 919 |
| Troutidnalo to Portland via Graham | 7000 | 6900 | 6800 | 2700 | 3000 | 4900 | 3000 | :5500 | 3300 | 3350 | 3500 | 4150 | 6000 |
| Albina to Hood River via Kenton | 6.100 | 6400 | 6200 | 2400 | 2700 | 4500 | 2700 | 3200 | 3000 | 3100 | 3200 | 6100 | 8100 |
| Portland to Troutalate vial Graham via Graham | 4100 | 4100 | 4000 | 1500 | 1800 | 2900 | 1800 | 2060 | 1900 | 1900 | 1200 | 2000 | 3550 |
| Hood River to The Dalles | 7000 | 0900 | 6800 | 2050 | 2970 | 4900 | 2950 | 3500 | 3450 | 3350 | 3300 | 5600 | 7550 |

[^0]Rating of diesel hocomotives in freight service in tons of 2000 pounds
Total weight of train өxclusive of locomotive, which the diffrent classes of locomotives will haul in each direction between
stations named, under favorable weather conditions. Rating slown is for single unit. If more than one unit, rating of com-

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} 30-45 p \\ 500040 \\ 6 E 5050 \end{gathered}$ |  |  |  |  |  |  |  |  |  |  |  |  |
| frimili stibitisisien |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Albina to Viader | 8000 | 8000 | 8000 | 4250 | 5000 | 6000 | 5000 | $5: 500$ | 5300 | 5300 | 5500 |  |  |
| Vader to Napavino | 4400 | 4400 | 4400 | 1800 | 2000 | 3100 | 2000 | 2300 | 2200 | 2200 | 2300 |  |  |
| Napavine to Alrgo | 8000 | 8000 | 8000 | 4250 | 5000 | ${ }_{6000}$ | 5000 | 5500 | 5300 | 5300 | 5500 |  |  |
| Argo to Centralia | 8000 | 8000 | 8000 | 4250 | 5000 | 6000 | 5000 | 5500 | 5300 | 5300 | 5500 |  |  |
| Centralia to Napavine | 3400 | 3400 | 3400 | 1400 | 1700 | 2150 | 1700 | 1950 | 1850 | 1850 | 1950 |  |  |
| Napavine to Albiba | 8000 | 8000 | 8000 | 4250 | 5000 | 6 | 5000 | 5500 | 5300 | :300 | 5500 |  |  |
| SIXTH Suibivision |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spolatre to Geib | ${ }^{6150}$ | ${ }^{6150}$ | 6150 | 2400 | 26.50 | 4:350 | 2650 | 3100 | 3000 | 3100 | 3700 | 500 | 2950 |
| Geib to Prage | CL | CL | cl | cı. | cl | ol | C1, | Cr, | cl | cL | cL | cl | ¢ |
| Page to Hummrist | 9900 | 9900 | 9900 | 3900 | 4250 | 70.6 | 4250 | 5000 | 4850 | 5000 | 6000 | 8000 | 4750 |
| Humorist to Walluta | cL | CL. | Cl. | (1) | CL | \% | Cl | CL | CL | cl | (1) | Cl | Cl |
| Willluli to Juniper | 9999* | 9999* | 9999\% | 3950 | 4300 | 7150 | 4300 | 5050 | 4900 | .5050 | 6100 | 8100 | 4800 |
| Juniper to Hinkle | 8150 | 6150 | 6150 | 2400 | 2650 | . 1350 | 2650 | 3100 | 3000 | 3100 | 3700 | 5000 | 2950 |
| Minkle to Willula | ${ }^{9999}$ | 9999* | 9999* | 4350 | 4800 | 7800 | 4800 | 55.00 | 5400 | 5500 | (66.50) | 8950 | 5350 |
| Wallula to Humorist | 7200 | 7200 | 7200 | 2800 | 3100 | 51100 | 3100 | 3600 | 3500 | :3150 | 4:300 | \%s800 | 3450 |
| Humorist to Ayer | 999,9* | 9999* | 9999* | 3:950 | 4300 | 7150 | 4300 | 5050 | 4850 | 5000 | 6000 | 8000 | 4750 |
| Aycr to Geil) | 6150 | 6150 | 6150 | 2400 | 2650 | 13350 | 2650 | 3100 | 3000 | 3100 | 3700 | 5000 | 2950 |
| Geib to Spalkane | CL | CL | cr. | cl | CL | $\mathrm{Cl}^{1}$ | CL | (.). | Cl. | CL | OL | Cl | cl |

Rating in excess of $\mathbf{0 0 , 0 0 0}$ tons.

Rating of diesel locomotives in preiget service in tons of 2000 pounds
Total weight of train exclusive of locomotive, which the different classes of locomotives will haul in each diroction between
stations named, under favorable weather conditions. Rating shownis for single unit. If more than one unit, rating of com-



[^0]:    ol-Car Limit.

