



THE BELT RAILWAY COMPANY OF CHICAGO

System General Order #2022-003

Effective 0001, Tuesday November 1, 2022

To: ALL CONCERNED

Subject: System General Order #2022 - 003

System General Orders are issued by proper authority modifying Rule Books and Special Instructions as required.

System General Orders apply to employees in all departments.

Individual Department General Orders, for department specific rule items, will be issued when necessary.

System General Order **2022-002 is void.**

Percy E Fields
President & General Manager
The Belt Railway Company of Chicago

Table of Changes: (change shown in **Bold**)

Line / Area	Change	Page
Kenton	Changes to Signal Location 67th ST Interlocking	2
	New Profile map, MP 10.0 – 12.0 (change in signal location 67th ST)	33
	Speed of NS Stack Track	2
Clearing Yard	Present Detection Begins / Ends Signs (EREC Yard)	5
Information / TTSI	High Security Lock Changeover	2
	Roadway Signs: Present Detection Sign	11
SAF – 1 (Safety Rulebook)	20.7.7 (ENG) (Supersede)	18
	20.7.8 (ENG) (Addition)	18 & 19

Timetable and Rule Book Modifications:

BRC Timetable and System Special Instructions #7, Effective April 1, 2020

Add the following to page 5 of BRC Timetable 7.

Areas that require a High Security Lock will now be equipped with a Sargent & Greenleaf Lock that will require the use of a # 102 key to operate.

Kenton Line, Physical Characteristics, Page 6

67TH STREET Interlocking, Signal Changes:

At 67TH STREET, Signals 2R, 4R, 4RA, 2L, 4L, and 4LA are changed from three head mast signals to two head mast signals displaying indications allowing for movement at MEDIUM SPEED in the interlocking.

Where RESTRICTING signals are displayed, these will utilize flashing red aspects in accordance with BRC SSI Rule 9.1.3, RESTRICTING.

A new 2L & 4L signal governing northbound movement on the Main Track will be relocated and placed in service, the new location of the 2L & 4L signals will be 360 feet South of their current location, the 2L & 4L signals will now be displayed over MT 1 & MT 2 on a Cantilever Signal Mast at milepost 10.4, the 2L & 4L signals will continue to display the same signal aspects.

A new 4RA signal governing southbound movement from the 68th ST WYE will be relocated and placed in service, the new location of the 4RA signal will be 300 feet west of its current location, the 4RA signal will now be displayed on the left-hand side of the 68th ST WYE as viewed by approaching trains.

MP 10.7

Show Ind 684 Switch MP 10.7 MT 1 removed

80TH STREET Interlocking, Signal Changes:

AT 80TH STREET, Signals 2L, 4R, 6R, 6L, 8L, 8RA, 8RD, 10LA, and 10LD are changed from three head mast signals to two head mast signals displaying indications allowing for movement at MEDIUM SPEED in the interlocking.

Where RESTRICTING signals are displayed, these will utilize flashing red aspects in accordance with BRC SSI Rule 9.1.3, RESTRICTING.

Add the following Kenton Line item 4. Under Speed Restrictions

Maximum Authorized Speed of the NS Stack Track is now 15 MPH

87TH STREET Interlocking, Signal Changes:

At 87TH STREET, Signal 2LA on MT 1 is changed from single head color light signal to a double
System General Order 2022 - 003

head color light signal mounted on a new cantilever signal bridge at MP 16.95.

At 87TH STREET, Signal 2R on MT 1 is changed from a three head color light signal to a two head color light signal mounted on a new cantilever signal bridge at MP 16.69.

At 87TH STREET, Signal 2LB on Third Rail Siding is changed from a single head color light signal to a double head color light signal mounted on a new cantilever signal bridge at MP 16.95.

On MT 2 northbound intermediate signal 2930 at MP 16.9 is changed from a signal head dwarf signal to a double head color light absolute signal mounted on a new cantilever signal bridge at MP 16.95.

On MT 2 southbound intermediate signal 2929 at MP 16.9 is changed from a signal head dwarf signal to a double head color light absolute signal mounted on a new cantilever signal bridge at MP 16.69.

New signals at MP 16.69 and MP 16.95 display signal aspects in accordance with BRC SSI Rules; 9.1.1, 9.1.3, 9.1.15 and 9.1.16.

3rd Rail Siding Between 87th st Interlocking and Pullman Junction)

Changes all references to the 3rd Rail Siding length, to 11,500 feet

Speed Restrictions (Turnouts and Crossovers)

Change to read:

LIMITED SPEED = 25 MPH MEDIUM SPEED = 25 MPH SLOW SPEED = 15 MPH

59th Street Line, Speed Restrictions, Page 13

Speed Restrictions (Turnouts and Crossovers)

Change to read:

LIMITED SPEED = 25 MPH MEDIUM SPEED = 25 MPH SLOW SPEED = 15 MPH

55TH STREET Interlocking, Physical Characteristics Change:

Switch 17, connection to Elsdon Industrial Lead is removed.

NARRAGANSETT Interlocking Changes:

Show Crossover within the Narragansett Interlocking Removed

Show Switch Leading to Industry 453 removed

Change IHB Connection Switch to show as an Electric Lock Switch

Show Switch for Industry 458 & 457 located at MP 3.75F removed

65th st Interlocking, Signal Changes:

The following signal changes have taken place within the 65th St. Interlocking.

4L Signal (Northbound MT 2) at MP 4.5F has been changed to a High Mast Signal and is now on the left-hand side of MT 2 at MP 4.5F.

2R Signal (Southbound MT1) at MP 4.05F has been changed from a Single Aspect Display to a Two Aspect Display. 2R Signal can display Rule 9.1.1, 9.1.3 and 9.1.15

West End West Yard (page 98 Timetable No. 7)

The BRC North & South Proviso Leads now individually connect to the IHB Main Track 1 within the IHB CP Argo Interlocking.

New signals governing movement from the BRC North & Proviso Lead to the IHB Main Line has been placed in service.

The Location of the signals governing movement from the BRC North & South Proviso to IHB are located appx 850 feet south from previous cantilever signal that controlled movement from the BRC North & South Proviso Leads to IHB.

North and South Proviso Lead Signals are displayed on the left-hand side as viewed by approaching trains.

Show the North & South Proviso Lead tracks as CTC Main Tracks

WEST SUB Interlocking, Signal Changes:

Signals 6LC and 6LA at WEST SUB Interlocking are changed to two head high mast signals.

Departure Distance Markers, West Departure Yard: {see page 9 of G.O. for example of sign}

On the High Side West Departure Lead, the Cabbage Patch Lead, and the High Side West Departure Lead, departing trains may increase speed to **20MPH**, when permitted by signal indication at **WEST SUB** or **65TH STREET**, once the rear of the train has passed the **DEPARTURE DISTANCE MARKER** displayed at these locations.

Elsdon Industrial Lead, Station Page, Page 17

55TH STREET Interlocking:

Main Track within **55TH STREET** Interlocking Limits OOS west of Switch 9B, 55TH STREET, in charge of M/W Roadmaster Balich.

Red flags are displayed at either end of limits.

Connection between Elsdon Industrial Lead and Kenton Line within **55TH STREET** Interlocking Limits remains in service.

South Chicago District Industrial Lead, Line Special Instruction, TT-Page 20

Show former Industry 972 tracks back in service, speed restriction not to exceed 5 MPH on all tracks.

Crossing Restrictions, Clearing Yard and Industrial Leads, Page 32

Remove all references to crossing gates at this location.

The use of cameras to protect shoving movements at this location, in accordance with GCOR Rule 6.5, fulfills the requirements of GCOR 6.32.1, Providing Warning Over Road Crossings at this location, and physical protection of the crossing by an employee on the ground is not required.

CLEARING YARD SPECIAL INSTRUCTIONS:

Add the following speeds under

2. Operating Characteristics – OTHER THAN MAIN TRACK(S): (TT Page 7)

All "Light Locomotive Consist" operating In Remote Control Operations within Clearing Yard Tracks are governed by GCOR 6.28 and must **not exceed 15 MPH**.

Maximum Speed for the below locations remains the same,

Diesel Shop Service Tracks	GCOR 6.28 applies, 5 MPH
Storehouse Lead	GCOR 6.28 applies, 5 MPH
Car Shop Tracks	GCOR 6.28 applies, 5 MPH
North Clearing Industrial District	GCOR 6.28 applies, 10 MPH
South Clearing Industrial District	GCOR 6.28 applies, 10 MPH

Present Detection 04 East Approach:

Present Detection Ends / Begins Signs have been installed on 4 East Approach in the area of the Cicero Ave Overhead Bridge. They have been installed at the area where the detection of equipment on 04 East Approach does not exist. Avoid staging locomotives or equipment within the area between the Present Detection Signs, equipment within the area of the signs cannot be detected.

SYSTEM SPECIAL INSTRUCTIONS:

Add the following Rules to the BRC System Special Instructions:

GCOR 6.4.2 Movements within Control Points and Interlockings (NEW)

Except within track and time limits, whenever a movement stops within an interlocking, the movement must not change directions without permission of the control operator. If the movement stops with the trailing end outside of interlocking limits, change of direction does not require permission from the Control Operator, except permission is ALWAYS required to make a forward movement after a reverse movement.

When making movements within a control point or interlocking, GCOR 9.5.7 (SSI) applies when the movement is stopped within one locomotive length of a signal.

To reverse direction, or to make a forward movement after a reverse movement within interlocking limits requires either:

- A. A proceed Indication from an Interlocking Signal, and there is no switch between the leading end of the movement and the signal.
- B. Verbal permission of the Control Operator.

Where multiple changes in direction are needed for a movement, the control operator may grant permission for multiple movements, ensuring that blocking protection is provided within the limits of the movement's authority.

Trains granted permission to make multiple reverse movements must notify the control operator when the permission for multiple reverse movements is no longer required. Further movement after the reverse movement(s) will be verbally authorized by the control operator.

GCOR 6.5 Shoving Movements (SUPERSEDE)

Change entire rule to read:

Equipment must not be shoved until the engineer and the employee protecting the movement have completed a job briefing concerning how protection will be provided.

Shoving cars or engines must be performed by an employee visually observing the intended route, while communicating instructions with the employee controlling the engine to ensure safe operation.

A qualified employee must protect the shove movement by:

- Visually observing the leading end of the movement to determine that switches and derails are properly lined, and the route is clear for the intended movement.
- Communicating instructions including a distance that specifies where the movement must be prepared to stop. (e.g., stop for misaligned switch, controlling speed for conditions, etc.)

Employees are encouraged to communicate additional information related to the shoving movement (e.g., close clearance conditions, stop signals, authority limits, etc.)

When communicating distances:

- Distance should be given in car lengths. The standard for one car length is 50 feet.
- Provide instructions that allow for control of the movement (controlling speed for conditions, etc.)
- Use a number of car lengths that is no greater than the portion of the track that has been determined to be clear and that represents where the movement must stop for improperly lined switches/derails, on-track equipment, etc.

When communicating instructions by radio:

Employee observing the leading end of the movement must inform the employee controlling the movement who is protecting the shove and how protection is being provided and specify a distance.

Direction will be described in relation to the front of the controlling locomotive, F stencil.

Use the following terms:

- Ahead or stretch, to move forward
- Back-Up or shove, to move backwards
- Stop, to stop the movement

Do not use terms such as “bring ’em this way”, “that’ll do”, etc. in place of these terms.

The following are required of the employee controlling the movement:

- Before beginning a shove movement, must know who is protecting the movement and how protection will be provided.

- Before beginning a shove movement, must repeat by radio the instructions received from the employee providing protection.
- When moving, must verbally acknowledge radio instructions by repeating the distance communicated when more than four cars.
- Movement must be stopped within half of the distance specified unless additional instructions are received.

Employees involved in the shove movement must not engage in any activity unrelated to the shove (example, unrelated communication, operating a switch not part of the intended route, etc.)

An employee is not required to be in position to observe the leading end of the movement when:

- Relieved by local instructions for tracks equipped with shove lights/ cameras.
- Relieved by special instructions specific to tracks involved.
- During pullout moves within an activated Remote-Control Zone (RCZ).
- A track has been pulled and an equivalent amount of cars or equipment will be immediately shoved back into that track and that track has remained clear to the location where the movement will be stopped.
- Immediately before shoving, a movement is made on the adjacent track providing the employee the ability to visually determine the track to be shoved is clear and route is properly lined.

GCOR 7.6 Securing Cars or Engines (SUPERSEDE)

Make the following changes to GRADE SECUREMENT CHART – CHART, BRC Timetable and SSI, Page 53 as noted below:

- On Kenton Line, change RULING GRADE between CRAGIN and 14TH STREET to read 0.25%

GCOR 7.6.1 Unattended Locomotives (New)

If necessary to leave a locomotive(s) on main track, or other than a track designated for tying up, or setting off locomotive(s), permission must be obtained first from the Terminal Manager.

Before a locomotive(s) is left unattended (with or without cars) all locomotive(s) in the consist must be secured with a handbrake.

Note: When authorized by Diesel Shop Foreman apply the handbrake on only the controlling locomotive when the consist is left on engine serving track. (GCOR 7.5 Testing Hand Brakes - must be observed)

GCOR 7.11 Charging Air Brakes (APPLICATION)

Add the following applications to the SSI as shown below:

Use of Air Brakes:

- The use of train air brakes is only required when humping cars into the East Classification Yard.

When handling RIP Releases or pulling hold tracks out of the Classification Yards to hump:

- No minimum air brake requirements apply.

When pulling cars from a Classification Yard to a Departure Yard:

- 10% air is required.

Where minimum air brake requirements are specified, cut in additional air brakes, when necessary, whenever the ability to control the movement is not sufficient.

GCOR 7.14 Track Structure Fouled with Snow or Debris (NEW)

On other than main track, and in yards and industries, employees switching must examine tracks for excessive amounts of snow, ice, and debris in flangeways, or over the top of rail that may result in a derailment.

When snow and ice are observed building up on portion of track to be used, particularly at road crossings, locomotive(s) must precede movement on that portion of track.

Employees are prohibited from riding the leading car of shove movements over crossings, or at locations where the ground surface is even with the top of the rail, anytime significant amounts of snow, ice, mud, or any other debris is observed in the flangeway.

When these conditions are observed, employees must dismount and stand clear of the movement until the leading end has passed over the location.

GCOR 8.20 Derail Location and Position (SUPERSEDE)

Change entire rule to read:

Employees in train, engine, and yard service must know the location of all fixed derails.

A train or engine moving on or entering tracks where fixed derails are located, must stop at least 100 feet from derail in derailing position.

Movement must not continue until the derail is placed in the non-derailing position. However, the distance restriction will not apply in engine servicing areas.

Do not make a movement over a derail in derailing position.

Sidings having hand-thrown derails will have derail locked in non-derailing position, except when engines or cars are left unattended on siding.

On auxiliary tracks, other than siding, except when derails are placed in non-derailing position to permit movement, make sure they are always in derailing position regardless of whether cars are on the track they are protecting. Lock all derails equipped with a lock.

Derails that are used in conjunction with Rule 5.12 (Protection of Occupied Outfit Cars), Rule 5.13 (Blue Signal Protection of Workmen), or for roadway worker protection must be in the derailing position only when their use is required for such protection.

When their use is not required for protection:

- Remove portable derails.
- Lock fixed derails in non-derailing position with an effective locking device.

Where derails are used to provide protection in conjunction with Rule 5.13 (Blue Signal Protection), or Roadway Worker Protection, a flag must be displayed, in conjunction with the derail, whenever the derail is in the applied position.

When a derail is not equipped with a permanently mounted flag, do the following:

- Display red flags in accordance with Rule 5.4.7, Display of Red Flag, when providing roadway worker protection.
- Display blue flags in accordance with Rule 5.13 Blue Signal Protection of Workmen.
- Display a properly colored light on the derail flag, when equipped.

Flag requirements apply to both fixed and portable derails, in the application of this rule.

GCOR 9.5.7 Stop Signals at Interlockings and Control Points (NEW)

When a movement stops within one locomotive length of an interlocking signal, it must not proceed without verbal permission of the control operator.

GCOR 18.1 Positive Train Control Territory (ADDITION)

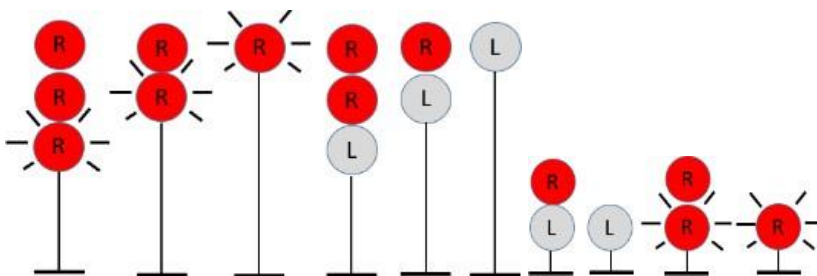
BRC trains will not operate with PTC unless directed by proper authority.

Foreign line trains operating with PTC, on or over BRC trackage, are governed by the provisions of BRC CORA Updates, BRC Transportation General Orders, and Track Bulletins, as issued by proper authority.

ITEM 11 – BRC SPEED SIGNALS (TTSI Page 74)

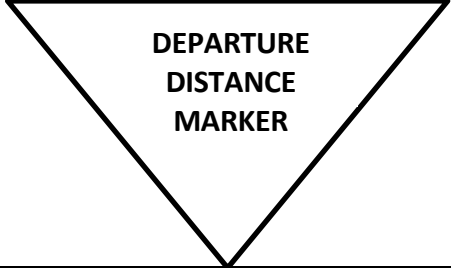


9.1.3 RESTRICTING:

Aspects shown apply when displayed on a signal with, or without, a number plate.



Roadway Signs: (TTSI Page 78)

Add the following Roadway Sign to the Chart on Page 78:

SIGN	NAME	NOTES
	DEPARTURE DISTANCE MARKER	Used to denote a point where the rear end of the train is clear of the yard speed restriction and may accept the speed of the signal displayed, not exceeding 20 MPH, at a designated location
	Present Detection Ends Sign	Beyond the Present Detection Ends sign, the detection of equipment ends
	Present Detection Begins Sign	Beyond the Present Detection Begins signs, the detection of equipment begins
Present Detection Signs: Denotes where equipment within the signs cannot be detected		

See Appendix A of this document for new map pages to add to Timetable #7, Item 13.

BRC HM-1 (Hazardous Material Instructions) , Effective January 1, 2022:

Effective January 1st, 2022, a New BRC Hazardous Material Instruction HM-1 is in effect for BRC Employees.

BRC Employees can obtain a copy by the Chief Clerk located at the General Office Building.

BRC Safety Rulebook SAF-1, Effective January 1, 2017:

Make the following modifications to the BRC Safety Rules as noted below:

S 11.2.5 Hump Retarders (SUPERSEDE)

Change rule reference from 50' to 150'

S 11.7.3 Footwear PPE Requirements (SUPERSEDE)

When working in areas where there is a danger of foot injuries due to falling or rolling objects, or objects piercing the sole of the foot or an electrical hazard; protective footwear as defined in OSHA Standard: 29 C.F.R. § 1910.136 is required.

All footwears worn as safety footwear for the purpose of complying with Rule 11.7 must meet the requirements of ASTM 2413.11 which specifies requirements for a built-in safety device and safety toes.

Individual departments may specify additional requirements.

Compliant footwear is required for employees in the following departments:

- Transportation
- Mechanical
- Engineering (Track and Signal)

S11.7.5 Winter Footwear (SUPERSEDE)

BRC employees are required to wear approved winter footwear whenever snow or ice is present on the ground or forecast to occur during the assigned work shift.

Employees subject to this rule are required to have approved studded overshoes, or studs that overlay their work footwear, readily available for use when weather conditions require.

Information regarding procurement or replacement of winter boots can be obtained from a supervisor.

S13.3 Drivers Responsibility (Addition)

Add the following: Unattended vehicles must have the engine turned off. The ignition key must be removed, windows closed, and doors locked

S17.8 Power Supply Turned Off (SUPERSEDE)

When performing work near a 2,400 volt or greater power line that will not permit the clearance outlined, notify the electrician to switch power off to that portion of line. Do not start work until electrician says that the power has been switched off. Make sure the electrician understands not to switch power on again until advised by the supervisor in charge of the work.

S17.9 Handling Electrical Power Supply Wires (SUPERSEDE)

Immediately report electrical wires found broken crossed or on the ground to the train dispatcher or proper authority. Do not consider any electrical wire dead until positive information has been received that is safe to handle.

S17.10.1 Lock Out Tag Out; LOTO Definitions (ADDITION)

Add the following:

In the application of Lock Out/Tag Out rules, the following definitions apply:

Authorized Employee – An employee who utilizes LOTO equipment for protection to service or maintain equipment.

Affected Employee – An employee who is required to utilize machines or equipment on which servicing is performed using LOTO, also applies to an employee who is in the vicinity of the equipment while servicing is being performed.

Other Employee – An employee who is within the area where LOTO is being used and within 25' of any equipment being protected by LOTO.

Lock Out Tag Out (LOTO) – A system to isolate electrical current. When an electrical panel is equipped with a disconnect device, it must be locked out. When an electrical panel is not equipped with a disconnect device, a tag may be utilized.

Lock Out Tag Out (LOTO) Device – a required multiple lock hasp, and associated tags, providing a space for each individual employee to apply a lock and tag.

S17.10.2 General Control of Electrical Energy (ADDITION)

Prior to utilizing LOTO Procedures, understand the following:

1. Type and size of energy sources to protect against.
2. Whether proper multiple hasp LOTO devices are present to allow for effective isolation.

S17.10.3 Lock Out/Tag Out Procedures (ADDITION)

When an employee is working on any 120, 240, or 480-volt equipment connected to a potentially energized circuit, and there is any possibility of a portion of the power feeds becoming energized, LOTO must be used.

To utilize LOTO, do the following:

1. Identify all sources of electrical energy.
2. Notify other employees within the work group of the status of power and the need for LOTO.
3. Shut down affected equipment. Assure circuit breakers and Main Disconnect are off.
4. Isolate affected equipment using available disconnect devices.
5. Apply LOTO protection, utilizing a BRC authorized LOTO Kit (refer to SAF-1 17.10.3)
6. Release any stored energy remaining in the machine.
7. Verify isolation, APPLY METER TO VERIFY THE ABSENCE OF ELECTRICAL CURRENT.
8. Service Equipment. Do not bypass any LOTO protection during the process.
9. Release LOTO upon completion.

When utilizing LOTO with more than one employee, use an LOTO device equipped with multiple locks. Each member of the work group utilizing LOTO must apply their own lock to the multiple lock device.

The pulling of fuse, the powering off a circuit breaker, or other means of isolation not employing LOTO are not alternatives to following LOTO procedures.

Employee names must be affixed to LOTO tags.

Employees are responsible to maintain the LOTO keys personally, these must not be shared or given to other employees.

Employees may not utilize LOTO tags or keys belonging to another employee.

S17.10.4 Temporary Release of LOTO for Testing (ADDITION)

When necessary to test equipment being protected by LOTO, do the following:

1. Ensure tools and materials are clear of equipment to be tested.
2. Ensure other employees are clear of the equipment.
3. The Authorized Employee only can now remove the LOTO protection.
4. The Authorized Employee may now energize the equipment.
5. If any adjustments are required, after the removal of LOTO protection, LOTO protection must be reapplied by the Authorized Employee prior to conducting any additional repair or adjustment.

S17.10.5 Group Lock Out/Tag Out Procedures (ADDITION)

When utilized, group LOTO protection must afford protection for each employee in the group. Protection must be equivalent to the protection that would be afforded if individual protection were used for each employee.

Each Authorized Employee must affix a personal LOTO device before work begins and remove it when work is completed. Application and release of LOTO devices must be done individually. When a group elects to utilize Group LOTO Procedures, one Authorized Employee must be designated for the purposes of LOTO protection.

If necessary, due to emergency or other circumstance, and after notifying a supervisor of the facts, the Authorized Employee in charge of LOTO for the group, may remove the LOTO of a missing employee.

1. When this occurs, all remaining members of the workgroup must be present.
2. When necessary to utilize this procedure a written statement of facts must be provided to the supervisor at the earliest opportunity.

S17.10.6 Transfer of LOTO Protection (NEW)

When necessary to leave the area where LOTO is provided, and transfer LOTO to another employee, LOTO protection for the new employee must be applied prior to removing the original protection.

S17.11 Power Supply System Knife Switch/Disconnect Securement (NEW)

All Power Supply System Knife/Disconnect Switches used on signal equipment must be left in the ON position, except in emergency situations.

When equipped, Power Supply System Knife/Disconnect Switches must be locked.

When electrical cases are equipped with a master circuit breaker, that breaker will be left in NORMAL (ON) position, except when maintenance is required, or in an emergency.

Signal Department employees will ensure that snow blower and Cal-Rod equipment is powered ON or OFF using the individual circuit breakers in the signal cases or bungalows.

S19.21.1 SIGNAL MAST INSPECTIONS (NEW)

Prior to climbing a signal mast, inspect the junction box at the base of the signal for cracks, and the ladder for damage.

Focus inspection to identify any stress cracks around the junction box, any damage to bolts connecting the mast to the foundation, and the area connecting the mast pole to the junction box/base.

Inspect the ladder for damage and ensure that brackets securing the ladder to the signal pole are not broken.

If damage is found on either the signal junction/mounting box or the ladder, it must be marked with a red tag/tape on the ladder's terminal lock.

The Signal Supervisor will be notified immediately of the location, signal name and location of the damage.

Shift turnover must include information about any location identified as having damage.

When red tag/tape are observed on a signal ladder, the ladder must not be used.

S20.1.2 Precautions near Passing Trains and Equipment (ADDITION)

Add the following bullet:

- Engineering Department employees may stand on one track, when a train is passing on another track, only when the track they are standing on has been identified as a Designated Place of Safety in the On-Track Safety Briefing.

S20.2.1 Step Over Rail (ADDITION)

Add the following additional instructions:

Before walking across any track, ensure that there is the appropriate amount of time required to do so to allow the employee to be safely across and clear of the track before a train or on-track equipment would arrive at the crossing point.

When walking across any track, move directly and promptly across the track.

S20.2.3 Sufficient Distance (Classification Yards) (SUPERSEDE)

In Classification Yards, and other locations where cars are likely to roll together, additional safeguards are required to work between or on the end of equipment.

When necessary to open a knuckle do the following:

- When necessary to physically manipulate any component, except the uncoupling lever, ensure not less than 50 feet of separation is provided.
- Utilize the uncoupling lever and minimize the time that any portion of the body is in the foul of the equipment.

In Classification Yards, or other locations where cars are likely to roll together, when necessary to work on the end of a car, such as when adjusting a drawbar, do the following:

- Separate cars by at least 50 feet.
- When necessary, apply sufficient hand brakes or secure equipment to prevent movement of the unattached portion.
- When working on the ends of cars, employees must continuously watch the cars on the unattached portion of the cut, and, if movement is detected, immediately proceed to a point of safety to avoid being struck by rolling equipment.

S20.4.2 Moving Equipment (TRANS) (APPLICATION)

Transportation Department employees, in switching and transfer service, may board and detrain from moving equipment when the following conditions are met:

- Equipment is moving at not more than 4 MPH.
- The ground, at the point of boarding or detraining, is clear of snow, ice, or other debris.
- The employee is wearing safety footwear as prescribed by SAF-1 11.7 Footwear.

Transportation Department employees must only entrain or detrain from moving equipment when it is safe to do so.

When weather conditions require the use of winter footwear, employees are not permitted to board or detrain from moving equipment.

All conditions and precautions for boarding and detraining moving equipment safely, as shown in SAF-1 Rule 20.4.2, Moving Equipment, apply to Transportation Department employees who board and detrain from moving equipment.

S20.7.7 Riding Locomotive Cranes and Work Equipment (ENG) (SUPERSEDE)

Replace entire rule with the following:

Operate equipment only if you are authorized and trained. Operators are responsible for machine safety and machine maintenance.

When working on or about equipment and machines:

- Read and understand the machine's operating manual before using the equipment.
- Use lockout/tag-out procedures.
- Lower all suspended loads and attachment before leaving the machine.
- Do not sit or lie underneath a machine, except when inspecting or repairing the machine.
- Do not overload equipment.
- Be aware of power lines overhead and underground.
- Secure unattended equipment from movement and potential theft.

Never place yourself under a raised machine, supported only by a jack.

S20.7.8 Separation During Travel (ENG) (ADDITION)

Add new rule:

Follow these minimum guidelines when working with multiple machines to travel and perform work related to Engineering Department projects and tasks:

- When necessary to slow or stop any machine during travel, the operator must signal adjacent machine operators either by radio, if equipped, or hand signal.
- If using radio to give advice to adjacent machines, the operator must assure that the transmission has been received and is understood.
- Hand signals, when used, must be continuous, until it has been verified that the adjacent machines have observed, and understood that the movement will be stopped or slowed.
- When multiple machines are being used in the performance of normal tasks, which is identified as "Work Mode", the spacing between machines will be maintained to prevent contact between machines or personnel, but not less than 50 feet apart.
- When work conditions or travel conditions dictate that spacing be less than 300 feet while traveling, or 50 feet while working, the machine operators and the supervisor responsible for the work group must have a thorough understanding of the specific task and conditions under which the task will be performed.

- When machines are bunched, fueling or tie up as examples, or when making movements across railroad crossings at grade or interlockings, all employees must stay clear of the track. When bunching of machines is required, the lead machine operator of the movement will dismount his machine and position himself so that he is visible to the following machine operators and anyone else who has the potential to stop in the path of the approaching machine. The lead machine operator will spot the following machine using hand signals. Each successive operator in the consist will be responsible for spotting the following machine in the same manner.
- When employee's tasks required them to occupy the center of the track during work mode operations, they must not position themselves less than 15 feet from the nearest on track machine. Certain machines, including adzers, mowers, brush cutters, and other may require an increased distance.
- Before making a reverse movement, the machine operator must ensure that the backup alarm, when equipped, is activated and/or the appropriate whistle signal is sounded. Additionally, the operator must ensure the track is clear of men and equipment before the reverse movement is made.

S20.8.2 Maintain Lookout: (ADDITION)

Add the following additional instructions:

When traversing turnouts or crossovers, employees must not ride cars more than 60 feet in length on the side next to equipment on an adjacent track.

SAF-1 20.10.3 Brake Sticks (Addition)

- Brake stick holders on locomotives will be used during the shift. *{Change Last Bullet Point to Read}*
- Brake stick holders have been installed outside of the East & West Yard Offices, they are color coordinated and have a location for each brake stick. The holders are colored Red, Yellow, Green, or black, the Brake Sticks for these holders have been colored to match their respective holder. Upon completion of the shift, assignments must place the Brake Stick back in the color corresponding holder. Red, Yellow, Green are for use in yard assignments and Black is for Industry assignments. Failure to not place the Brake Stick back in its proper holder's location may result in discipline. *{Add Bullet Point to Rule}*

BRC Operating Practices Rulebook, OP-1, Effective January 1, 2017

Make the following modifications to the rules below:

OP-1 Rule 1.2 Locomotive Inspection Procedure (SUPERSEDE)

Replace OP-1 Rule 1.2, Locomotive Inspection Procedure, Section B with the following:

B. Locomotive Not Inspected on Previous Calendar Day:

If the locomotive inspection card, form #2322, indicates that the locomotive was not inspected on the previous calendar day, ascertain from the Yardmaster when the locomotive was last used.

On date(s) locomotive was not used fill in the date(s) with "Not Used" and inspect the locomotive before placing it into service.

OP-1, Rule 1.2.1 Conducting a Locomotive Inspection (ADDITION)

Replace OP-1, Rule Op 1.2.1, Conducting a Locomotive Inspection, Section D, Page 10 with the following:

D. Documentation of Inspection:

Reporting Requirements:

LOCOMOTIVE DAILY INSPECTION REPORT (BRC Form 2322):

Locomotive Inspections will be documented using locomotive inspection reports, which will be retained on the locomotive for each calendar month.

A new form must be used for each month. These forms will be placed in the locomotive, in the same holder as the 92-day inspection report forms (Blue Card) in the locomotive cab.

Transportation employees performing locomotive inspections will, after inspecting the locomotive, complete the **LOCOMOTIVE DAILY INSPECTION REPORT** form located on the locomotive. This requires the employee to document all information listed for the calendar day that the inspection was performed. A separate form must be completed for each locomotive in a consist including hump mother and slug consists.

A signature and employee ID number must be provided to comply with the provisions of 49 C.F.R. § 229.21.

If a defect is found, indicate **Y** in the **DEFECT** column and then complete an **RCO / LOCOMOTIVE ENGINEER'S DEFECT REPORT**.

LOCOMOTIVE DAILY INSPECTION REPORTS are not to be removed from the locomotive, except by Mechanical Department representatives.

RCO / LOCOMOTIVE ENGINEER'S DEFECT REPORT (BRC Form 2323):

If a defect is found during a locomotive daily inspection, after completion of the **LOCOMOTIVE DAILY INSPECTION REPORT**, the employee conducting the inspection is responsible for notifying the Diesel Shop Foreman by radio and notifying the Yardmaster or Train Dispatcher of the condition.

The employee **MUST** then complete an **RCO / LOCOMOTIVE ENGINEER'S DEFECT REPORT**, BRC Form 2323 and scan the form to the diesel shop before tie-up.

Scan Process at any On Duty Location:

1. Select SCAN/FAX
2. From the Address Book (Favorites), select **LOCOMOTIVE DAILY INSPECTION**
3. Select START Scanning Verification:

Once scanning is complete, it will be displayed on the computer terminal.

On the computer terminal screen, a folder marked **LOCOMOTIVE DAILY INSPECTION** is displayed.

- Select this folder to identify that a scan was received with a matching timestamp.
- Open this form and verify that your scan is correct and legible.
- If the scan is not visible, or complete in the folder, contact the Locomotive Shop Foreman, (708) 496-4067 for disposition of the form.
- If the scan is unreadable, scan the form again.
- If the scan process is successful, and a legible form is displayed on the computer terminal, it is not necessary to retain a printed copy.

Assistance with Scanning:

- Call (630) 286 - 8180 for BRC IT Support in the event of issues with the scanning process.

OP 1 Rule 1.13.7.1 Hump Horsepower (Fuel Conservation) (NEW)

When handling hump locomotive consists, the following guidelines apply when handling additional hump locomotives greater than one locomotive and one slug:

- When handling less than 12,000 tons, any additional locomotives in the hump locomotive consist will be isolated, unless authorized by proper authority.
- When handling more than 12,000 tons, additional locomotives in the hump locomotive consist may be placed on-line to allow for efficient movement when necessary. Once the hump movement is complete, any additional hump locomotives must be isolated at the earliest opportunity

OP 1, Rule 1.18.2 Locomotive Winter Idle (NEW)

When ambient temperatures are forecast to be below 10F, or when directed by proper authority, locomotives in yard service will be left in high idle to avoid instances of freezing.

To prepare a locomotive to be left in winter operations, do the following:

On locomotives equipped with a **WINTER/SUMMER** Selection Switch in the electrical panel:

- Ensure locomotive is left with **WINTER** selected.

On locomotives not equipped with a **WINTER/SUMMER** selection switch:

- Leave the locomotive isolation switch in **RUN**.
- Generator Field Switch to **OFF**
- Reverser centered
- Leave throttle in **RUN 3** (3rd Throttle Notch)

In all cases, ensure the locomotive consist is properly secured in accordance with **GCOR 7.6 Securement**, and **GCOR 7.6.1 Unattended Locomotives**, as applicable.

Note:

When instructed to leave locomotives in Winter Idle, **Rule OP 4.15.2, Unattended Equipment**, is modified, removing the requirement to isolate the locomotive.

OP1, Rule 2.5.1 Class II Air Brake Test – Application (SUPERSEDE)

Change reference in second bullet from four hours to twenty-four hours.

OP1, Rule 2.6.1 Class III Air Brake Test (Application) (SUPERSEDE)

Change references in third and fourth bullets from four to twenty-four hours.

OP1, Rule 2.8 Train Line Kept Charged (SUPERSEDE)

Change all rule references from FOUR HOURS to TWENTY-FOUR HOURS.

OP 4.8.1 RCO Radio Frequencies (SUPERSEDE)

Replace the Radio Frequency Chart with the following:

LOCATION	FREQUENCY
East Yard Assignments	F2
Hump Assignments	F1
West Yard Assignments	F3
Industry Assignments	F3

OP 4.14.1 RCO Belt Pack Train Brake Speed Restrictions (NEW):

A. Functionality of the OCU Train Brake Speed Restrictions is outlined below:

Requested Speed	Brake Pipe Fully Charged	Minimum Application 7 lb.	Light Application 10 lb.	Medium Application 15lb.	Unlimited Applications Allowed	Notes:
1-4 MPH	Not Required	YES	YES	YES	YES	INITIAL REDUCTION ONLY
7-15 MPH	Required	YES	NOT ALLOWED	NOT ALLOWED	NOT ALLOWED	

B. Cycle Braking Minimum Train Brake Application (BRAKE PIPE FULLY CHARGED)

Requested Speed	Application	Notes
7 – 15 MPH	MINIMUM + RELEASE + MINIMUM	12 LB REDUCTION NO SPEED RESTRICTIONS

C. Cycle Braking Minimum Train Brake Application (BRAKE PIPE NOT FULLY CHARGED)

Requested Speed	Application	Speed Selector	Application	Notes
1 - 4 MPH	MINIMUM + RELEASE	FASTER THAN 4 MPH	MINIMUM	12LB REDUCTION

D. Brake Pipe Recharge Times

MINIMUM (7lb)	LIGHT (10)	MEDIUM (15lb)	FULL (32lb)	Minimum (Cycle Brake 12lb)
2 MINUTES	4 MINUTES	6 MINUTES	2 MINUTES After "Brake Recovery Complete"	4 Minutes Same as "Light"

OP 4.16.1 Assignment of OCU (SUPERSEDE):

Change second paragraph to read:

The OCU's will be issued and returned in the Yard Office in clear view of the security camera.

OP 4.16.2 OCU Batteries (ADDITION):

Add the word charger to the end of the last sentence.

OP 4.17.2 Handling Movements with Air (Hump Assignments) (NEW)

A. **SHOVING A MOVEMENT THAT IS STOPPED ON A WEST HUMPS APPROACH TRACK TO THE TOP OF THE HUMPS:**

- PRIOR to initiating movement on a stopped train (when train line air is cut in), the Automatic Train Brake switch must be positioned to a **MEDIUM** train brake setting.
- While the **MEDIUM** train brake setting is applied, initiate train movement by placing the OCU speed selector in **HUMPS FAST**.
- Once the OCU movement command is initiated, wait a minimum of 5 seconds before releasing the **MEDIUM** train brake setting.
- Upon initiating movement, a crew member will apply sand until the requested speed is obtained. When available, a crew member on the locomotive may be utilized to apply sand.
- The Primary Operator will apply sand using the OCU.
- Select the desired hump speed on the OCU when the movement is approaching the top of the hump to avoid stopping when humping is to immediately begin.

To Apply Sand:

Depress and hold either of the **RSC** buttons until the OCU Led screen reads **Operator Sand** and continue to hold to apply sand on the rail.

B. **WHEN STOPPING MOVEMENTS ON THE GRADE OR AT THE TOP OF THE WEST HUMPS**

When necessary to stop the movement on the grade, or at the top of the West Hump, do the following:

- Use **MEDIUM** train brake setting prior to selecting **STOP** on the OCU.
- **Apply sand prior to stopping on a grade.**

NOTE: In hump service, when stopping on an ascending grade, the use of the **COAST** setting is preferable to reducing speed using the speed selector on the OCU.

C. **WHEN RESTARTING A MOVEMENT ON THE GRADE, OR AT THE TOP OF THE WEST HUMP**

When restarting a movement on the grade, or at the top of West Hump, do the following:

- The RCO must ensure all buff and/or draft forces have settled before any attempt to start movement is made.
- While the **MEDIUM** train brake setting is still applied, initiate movement by selecting the desired hump speed.
- Once the OCU movement command is initiated wait, 5 seconds prior to **RELEASING** the **MEDIUM** train brake setting.
- Upon initiating movement, a crew member will apply sand until the requested speed is obtained, when available, crew member on the locomotive may be utilized to apply sand.
- The primary Operator will apply sand using the OCU.

To Apply Sand:

Depress and hold either of the **RSC** buttons until the OCU Led screen reads **Operator Sand** and continue to hold to apply sand on the rail.

OP 4.17.4 Remote Control Speeds (Supersedes)

Replace the chart in the OP-1 (page 47) with the table below.
(HUMP OCU "Max" Speed is now set at 15 MPH)

<u>Yard OCU</u> speed selector	Miles Per Hour		<u>Hump OCU</u> Speed Selector	Miles Per Hour
Stop	0 MPH		Stop	0 MPH
Coast			Coast	
Coast B	15 lbs Brake Cylinder		Couple	1.4 MPH
Couple	1 MPH		Hump	1.7 MPH
4	4 MPH		Hump Fast	2.2 MPH
7	7 MPH		4	4 MPH
10	10 MPH		8	8 MPH
Max	15 MPH		Max	15 MPH

OP 4.18.0 Special Operating Procedures (RCL) – BRC Yards: (Addition)

OP 4.18.1 Red OCU's and Batteries (NEW)

New OCU's have been implemented. These OCU's and batteries can be identified by their red color. The new OCU's are lighter in weight, contain larger displays, and include additional functions.

Additionally, the new OCU's and batteries incorporate GPS tracking technology.

The use of yellow RCO boxes on the hump in the East Yard is no longer acceptable, unless authorized by proper authority.

Use of Red OCU's:

- Assignments will use batteries marked for the specific shift and assignment only. Assignments are denoted on the battery charger cradles. Battery use on the hump for extra hump assignments, or if batteries are not ready for use, will be coordinated through the Operations Manager.
- OCU batteries must be returned to the assigned cradle charger for the specific shift and assignment at the end of duty.
- In the event of a crew change at other than the starting location, the assigned OCU and battery are to be returned by the original assigned crew, prior to tie-up.
- All defective batteries will be reported to the Operations Manager immediately, this may be relayed through the Yardmaster.
- Defective batteries must be placed in bins provided at the on-duty locations.
- Any defects noted on an OCU will be brought to the attention of the Operations Manager immediately, this may be relayed through the Yardmaster.
- Yardmasters are responsible for noting any issues or damage reported by crew members into the Operational Issues Applications in Belt Apps.
- Information reported must include the OCU and battery number(s), nature of defect, and location where the defect occurred.
- In addition, the disposition of the asset must be noted.
- When a crew is required to get power from the diesel shop, they will take boxes and batteries from the starting location.
- When assignments are assigned to take power to the shop, they must return OCU's and batteries to the on-duty location, unless instructed by proper authority.
- Batteries returned to the on-duty location must be placed on the charger for recharging in the designated slots.
- When removing or replacing the battery, turn the OCU off. The battery is in the recessed area on the underside of the OCU. The battery is held in position by tabs at one end and secured using a spring-loaded catch.
- Ensure the battery is fully secured and locked in the OCU battery compartment.

NOTE: Batteries and OCU's are considered safety devices, and misappropriation of these resources, or failure to properly return batteries in accordance with these instructions, is not acceptable. This may be considered as theft of company material.

Programming of Red OCU's:

New Red OCU Programming Procedure:

1. OCU must be turned **OFF**.
2. Select (Operating Frequency) **F1, F2, or F3**.
3. Select **PROG A** or **PROG B** (Starts program to assign as either an A or a B unit)
4. The OCU Infrared Transceiver is activated when:
 - A. Depressing the OCU **ON/OFF** button and IMMEDIATELY depressing either the left or right **Reset/Sand RSC** (a.k.a. Vigilance) button.
 - B. The Alpha-Numeric Display indicates "IR Link Release Vigilance".
 - C. The RCO now has five (5) seconds to respond to this instruction to Release the **RSC** (Vigilance) button.
 - D. When the RCO responds by releasing the **Reset/Sand** (Vigilance) button within 5 seconds, the OCU now activates the Infrared Transceiver for at least a 20 second period and displays the message "IR LINK".
5. Align OCU with the OPP Infrared eye (transceiver of the OPP Station).
 - A. Alignment, and successful data transfer, are confirmed by an audible beep from the OCU, plus the Alpha-Numeric display indicates "OCU LINK COMPLETE."
 - B. Check that the intended **OCU COM LED** is now **ON**.

Note: Step 4 (A):

Depressing the **OCU ON/OFF** button and IMMEDIATELY depressing either the left or right **Reset/Sand RSC** (a.k.a. Vigilance) button will cause the OCU to become **UNLINKED/UNPROGRAMMED** from a locomotive at any time.

This process should not be done for any other purposes, except for programming OCU's while on the locomotive, or when instructed by proper authority.

OP 4.18.2 Yard / Industry / Work Train Assignments, OCU Chargers and Batteries (NEW)

Yard Assignments, Industry Assignments, and Work Trains are now equipped with OCU Batteries labeled for a specific shift and job assignment.

These batteries are to be used by the specific shift and assignment only unless instructed by proper authority.

- All OCU batteries must be returned to the assigned cradle charger for the specific shift and assignment at the end of duty to allow for re-charging.
- In the event of a crew change, at other than the location where assignment reported for duty, the OCU batteries must be returned to the original location and placed in the assigned charger by the original assigned crew.
- All defective OCU batteries and Cradle Chargers will be reported to the Operations Manager immediately, this may be relayed through the Yardmaster.
- Defective batteries must be placed in bins provided at the on-duty locations.
- OCU Battery use for Extra Assignments, or if OCU Batteries are not ready for use, will be coordinated through the Operations Manager.
- Yardmasters are responsible for noting any issues or damage reported by crew members into the Operational Issues Applications in Belt Apps. Information reported must include the OCU and battery number(s), nature of defect, and location where the defect occurred. In addition, the disposition of the asset must be noted.

NOTE:

Batteries and OCU's are considered safety devices, and misappropriation of these resources, or failure to properly return batteries in accordance with these instructions, is not acceptable. This may be considered as theft of company material.

OP 4.18.3 addition to page 21 of current GO

New Two-way OCU's in Hump Operation (New)

The BRC has implemented the use of Two-Way OCU in Hump Operation, the new Two Way OCU boxes are labeled under the digital display **"2 Way Controller"** with this new two-Way OCU locomotive Software is required to be updated so it can transmit signals to the controlling OCU. Currently only the BRC 312 is equipped with this software, when using the BRC 312 you must link a new Two-Way OCU. The Two-Way OCU itself can be used on any BRC locomotive however only will receive information when used on the BRC 312. Linking the new Two-Way OCU to a locomotive will remain the same procedure as the current OCU's.

When using the BRC 312 the Two-Way OCU has digital feedback in the form of LED's messages. The LED feedback is sent to the OCU(s) that are assigned to the RCL system. The feedback LEDs show the state of the Two-Way OCU system with respect to Independent Brake Selection Status, Emergency Status, Speed Selection Status, Reverser Selection Status and Train Brake Selection Status all on the digital display, you can scroll through these features by using the up/ down arrows buttons below the digital display located on the top of the OCU

Other features of the new OCU are a variety of settings that both the Controlling OCU (Primary) and the Non-Controlling OCU are equipped to display. The controlling OCU position will be displayed with a Green Light of the selected settings on both OCU boxes, on the Non-Controlling OCU there will be an amber light displayed to show the current setting of that OCU.

The additional features will include:

- OCU Alerter will sound to indicate unintentional stops caused by Communication Losses and other fault stops. This is a safety improvement to alert the OCU that the consist is coming to an un-commanded stop.
- Pitch & Catch operations are simplified because the controlling OCU indication is available in the visual feedback.
- The indication of a movement command being accepted by the system will be visually available to the OCU(s) assigned, since speed and direction feedback is shown.
- The operators have a visual indication when Two-Way OCU system is in penalty.

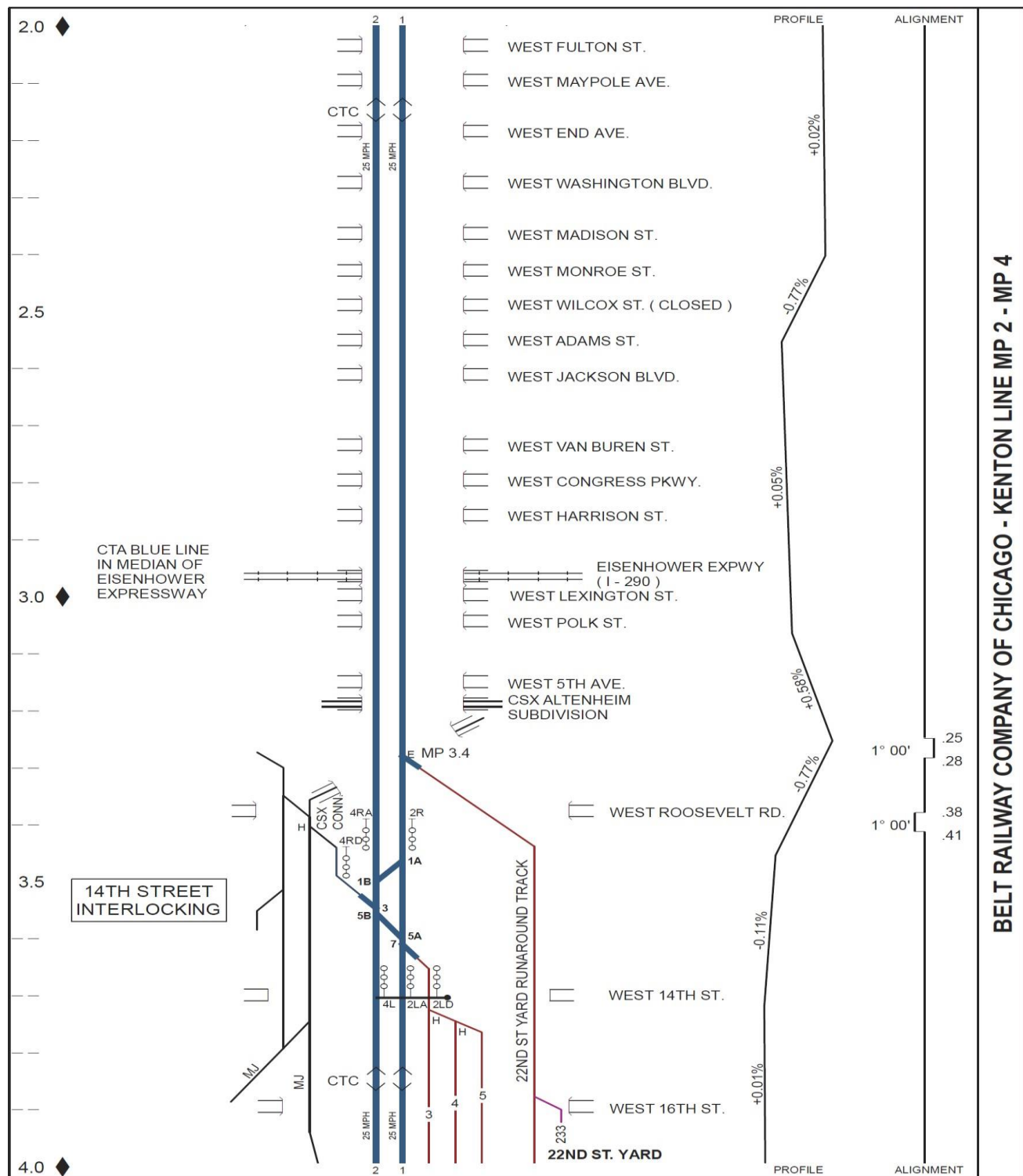
The new Two-Way OCU will be kept at a location where the BRC 312 is assigned, in the event a new Two-Way OCU will not operate as intended and needs to be changed out, the BRC Diesel shop needs to be notified immediately and they will assign a new Two-Way OCU and the original OCU must be given to the Diesel Shop for repairs.

System General Orders in Effect:

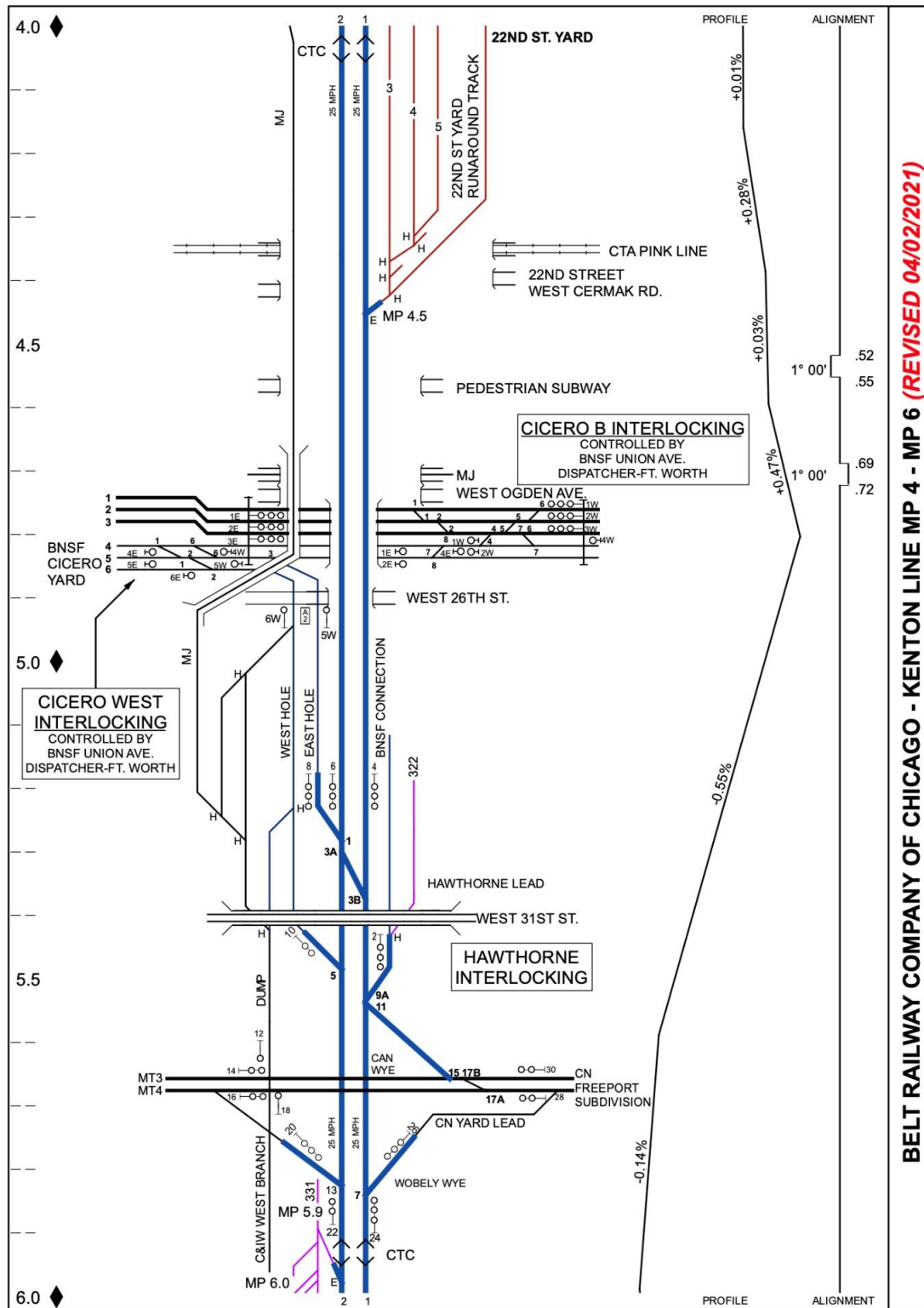
<u>YEAR OF ISSUE</u>	<u>NUMBERS</u>
2022	2022 -003

Appendix A – Map Additions:

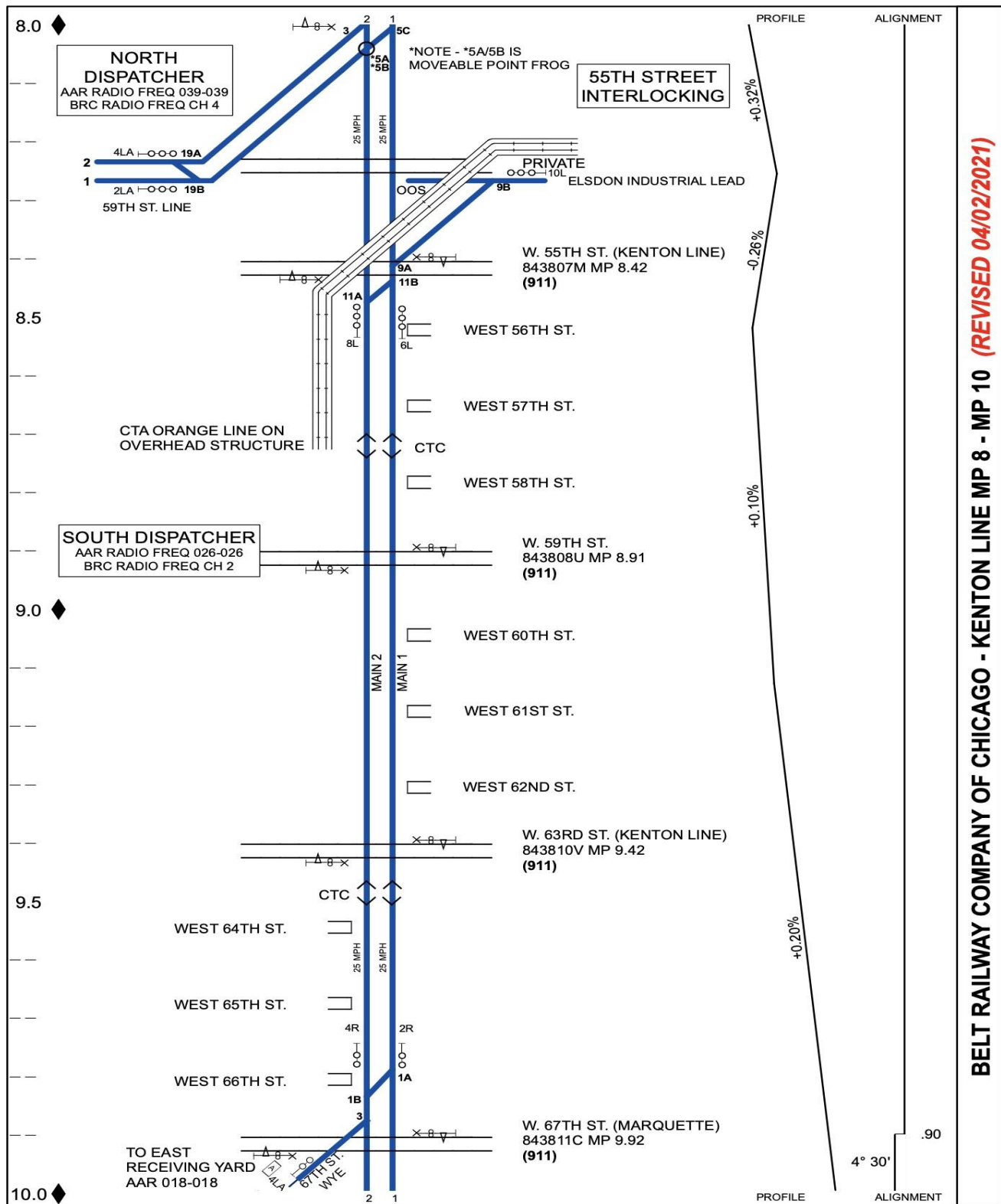
Add the following map to Timetable 7, Add below Linear Profile between pages 82 & 83:



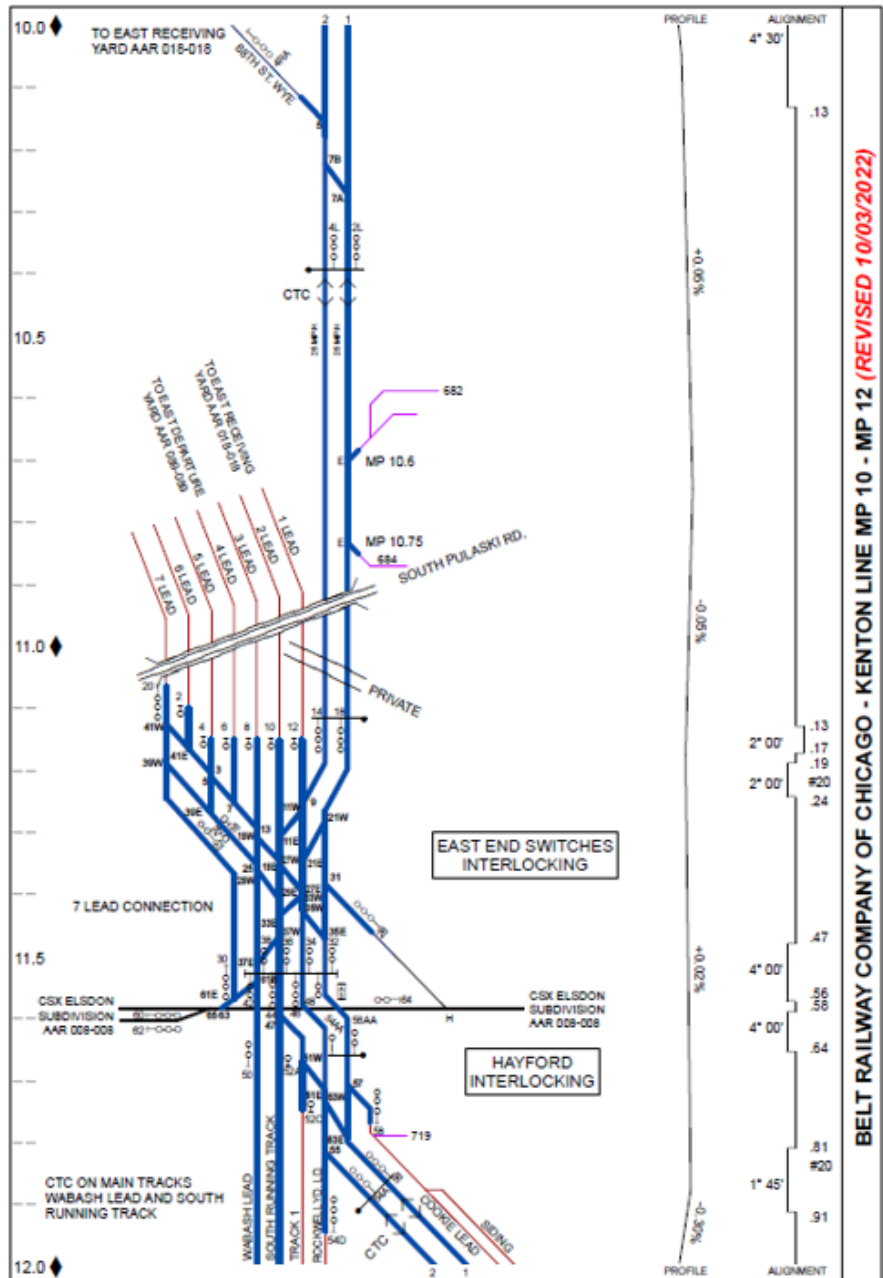
Add the following map to Timetable 7, Replacing Page 83:



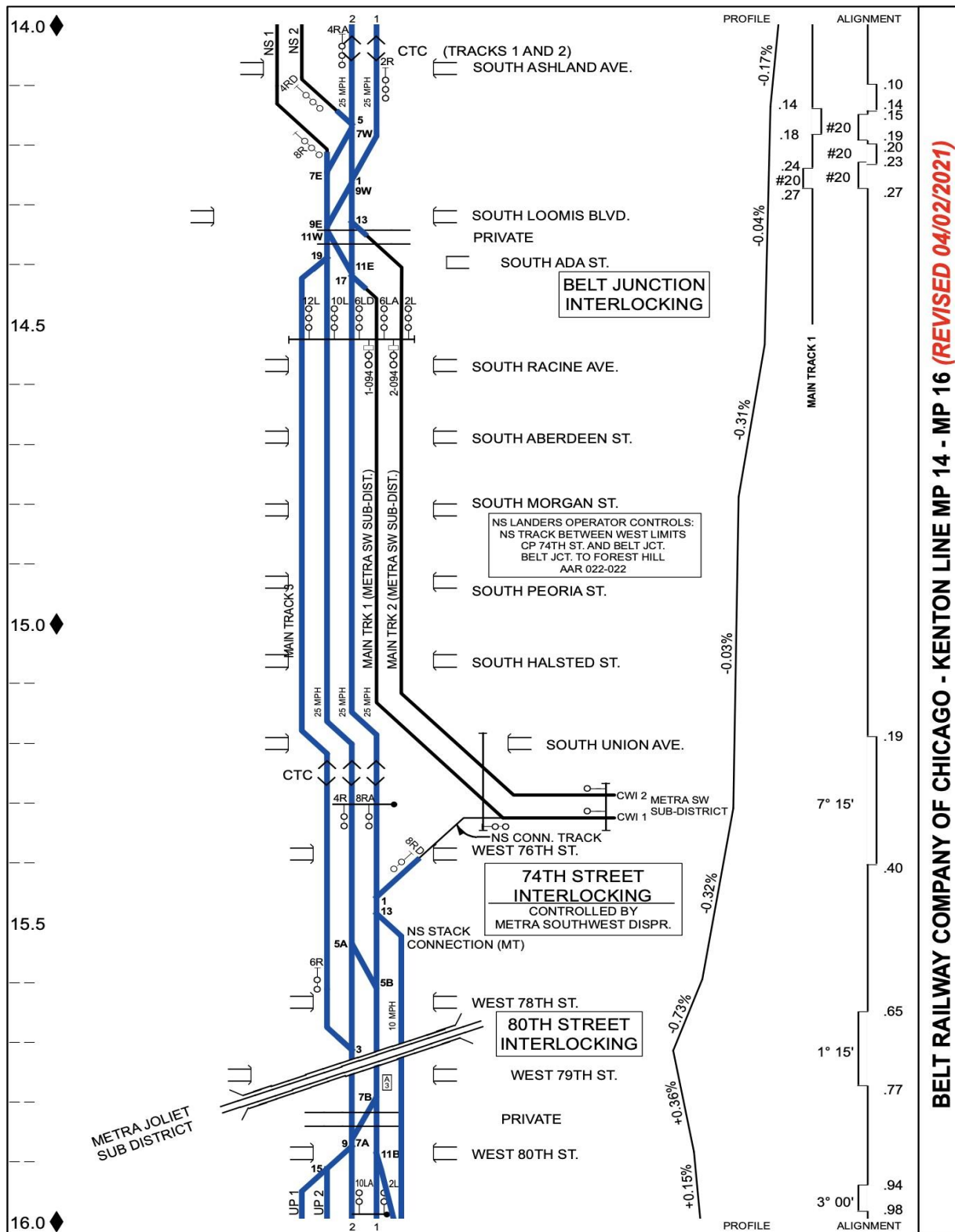
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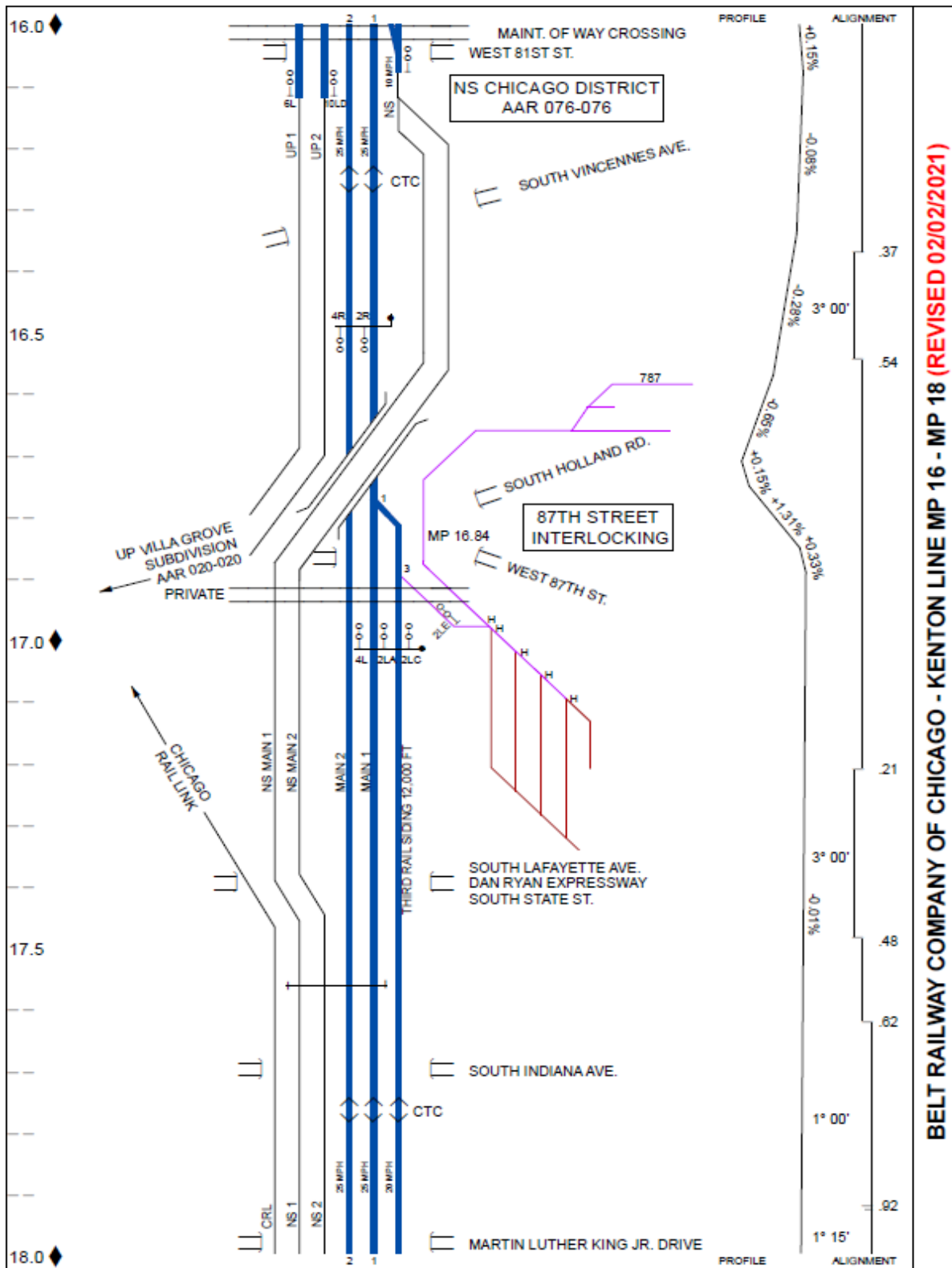
Kenton Line	
Rules in Effect:	CTC
Dispatcher:	BRC South
Radio Channel:	026-026
Milepost: MP 10.00 – MP 12.00	
Speed Restrictions:	
Main Line (1 & 2):	25 MPH
South Running Track	25 MPH
Wabash <u>Lead</u>	25 MPH
Other Than Main Line: 10 MPH (Rule 6.28 applies)	
Notes: Prior to entering 67 th Street or 68 th Street <u>Wye</u> , permission must be obtained from the BRC West-Yardmaster on channel 018-018	
East-End Switches: Contact West Yardmaster on channel 018-018 for Leads 1 thru 2 Contact East Yardmaster on channel 089-089 for Leads 3 thru 7	
Rockwell Yard: All tracks within Rockwell Yard (1-14) Rule 6.28 Applies.	



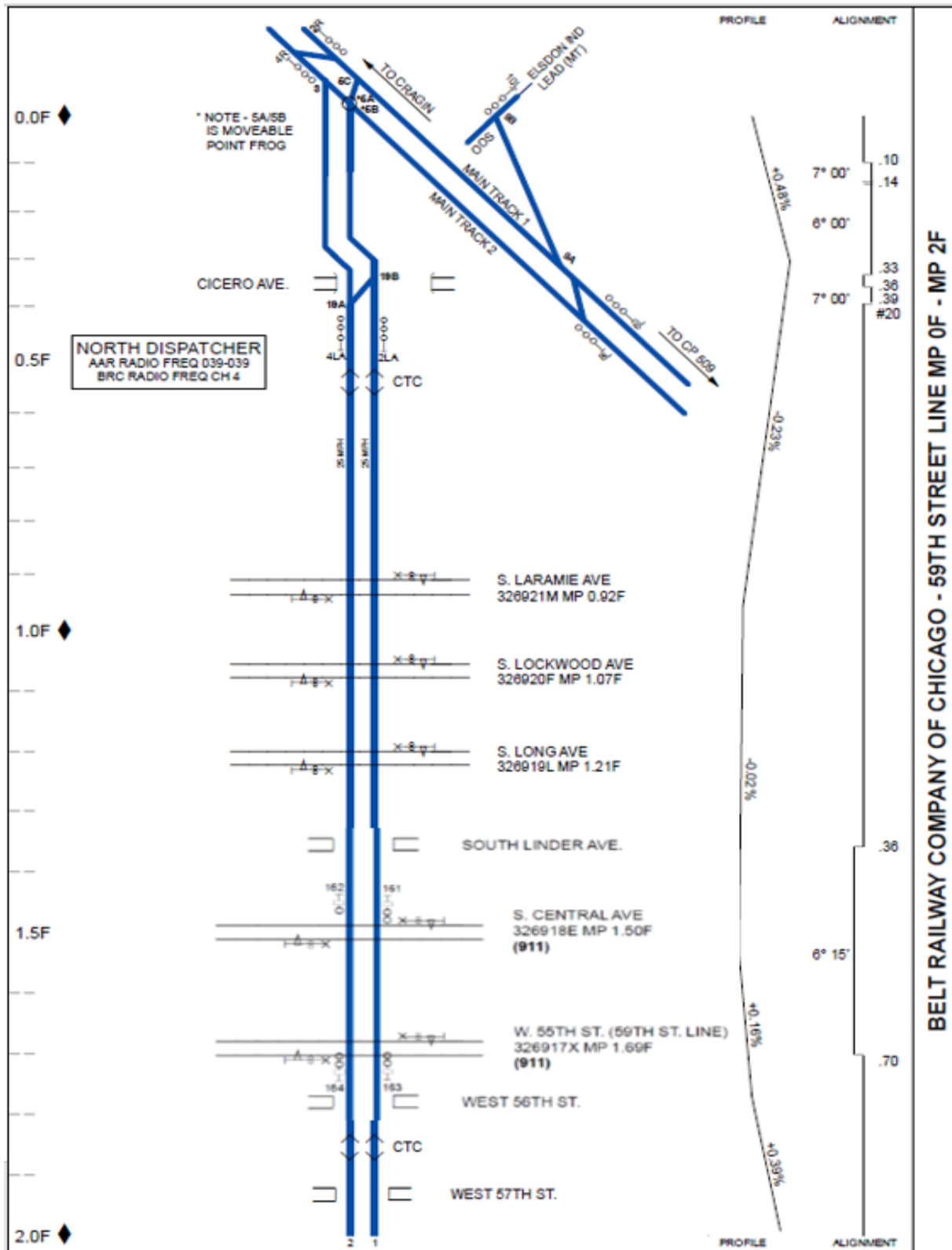
Add the following map to Timetable #7, replacing page 89:



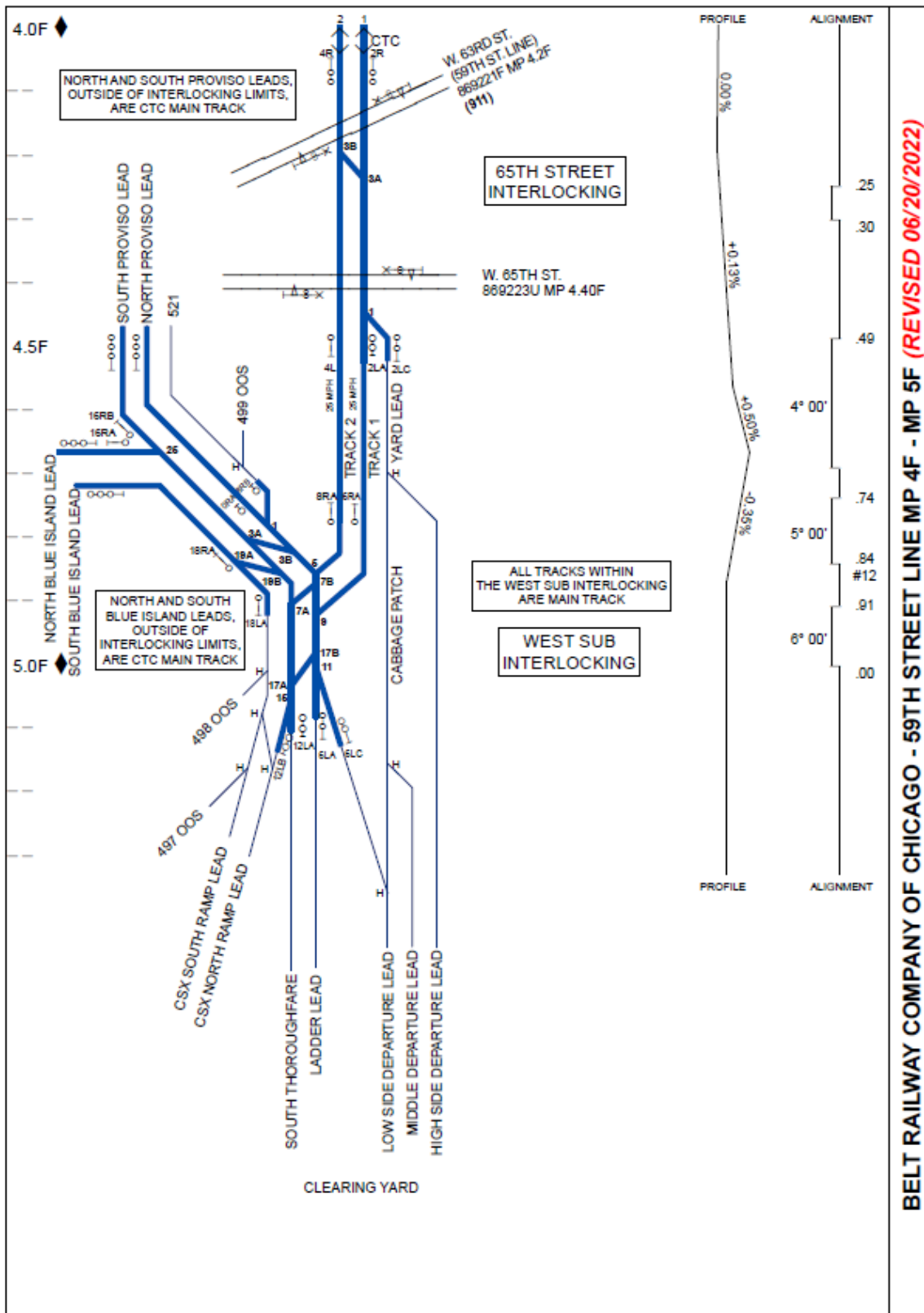
Add the following map to Timetable #7, replacing page 90:



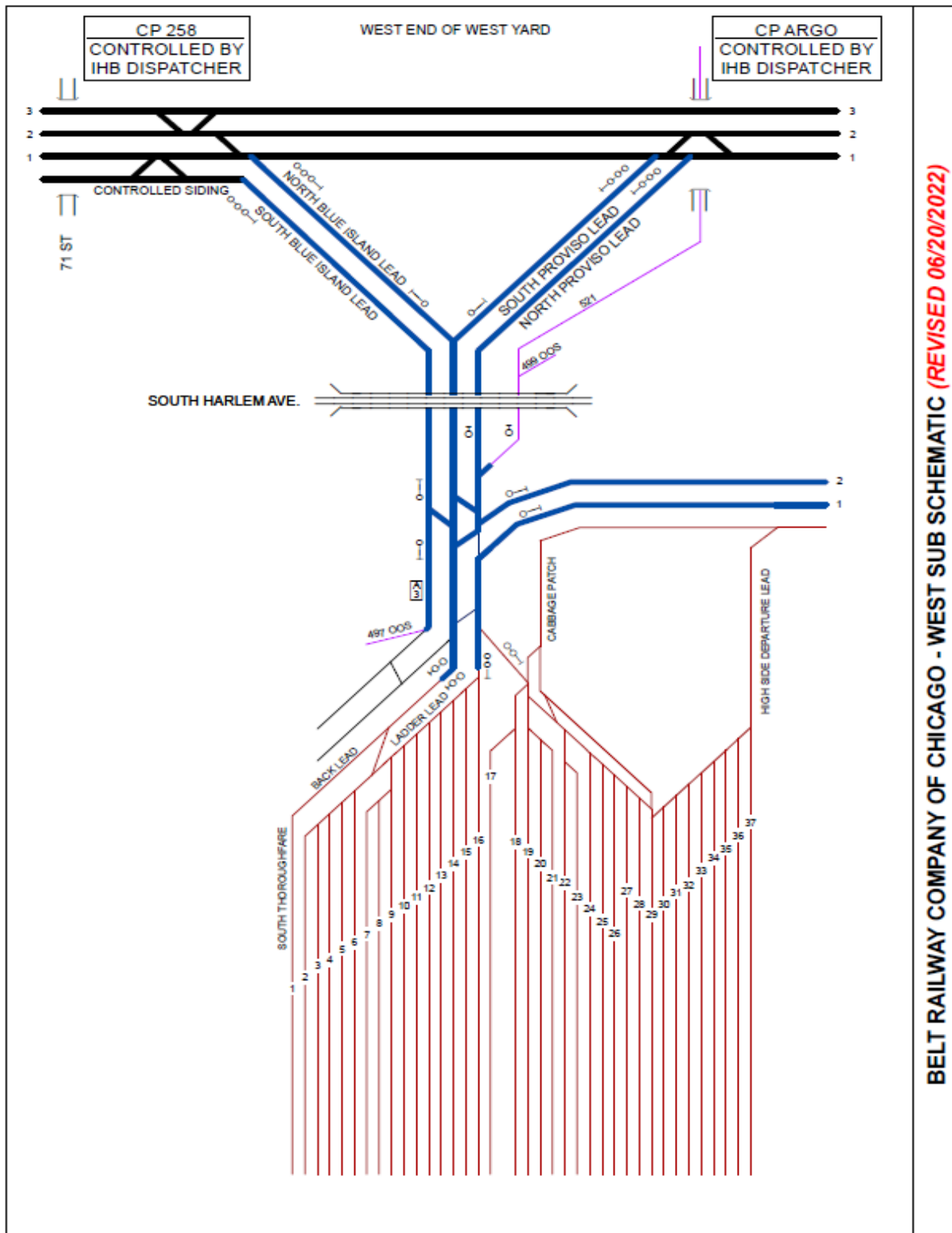
Add the following map to Timetable 7, Replacing Page 95:



Add the following map to Timetable #7, replacing Page 97:



Add the following map to Timetable 7, replacing Page 98:



BELT RAILWAY COMPANY OF CHICAGO - WEST SUB SCHEMATIC (REVISED 06/20/2022)