

Operations with
On the
Eastern Illinois Santa Fe



Train Control is NCE

NCE Control Station and 5 amp power supply



Two NCE 5 amp boosters

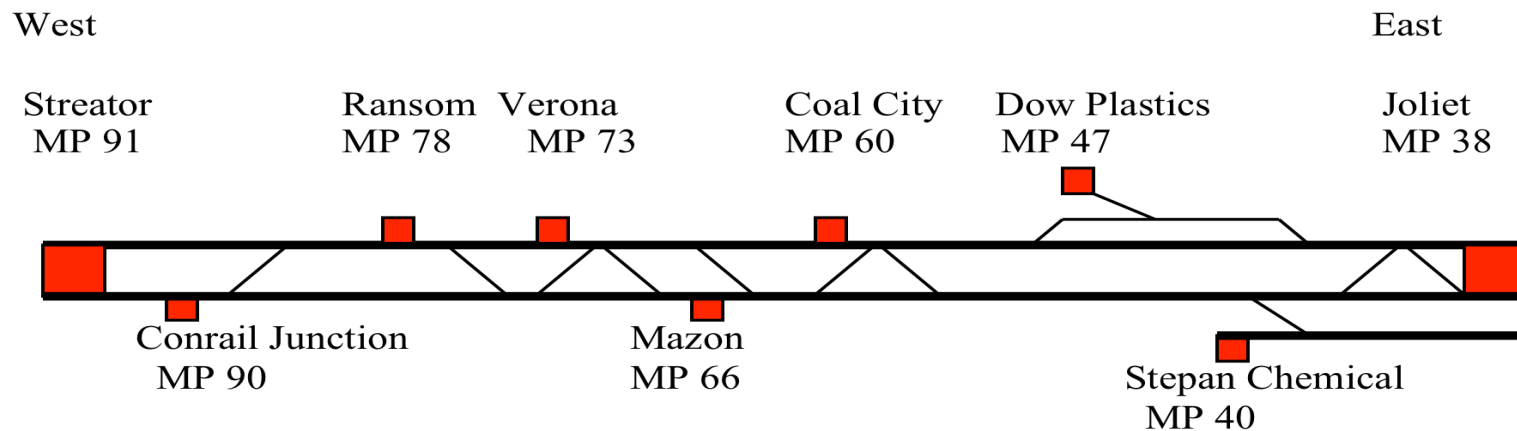
One for staging and one for far end of the layout



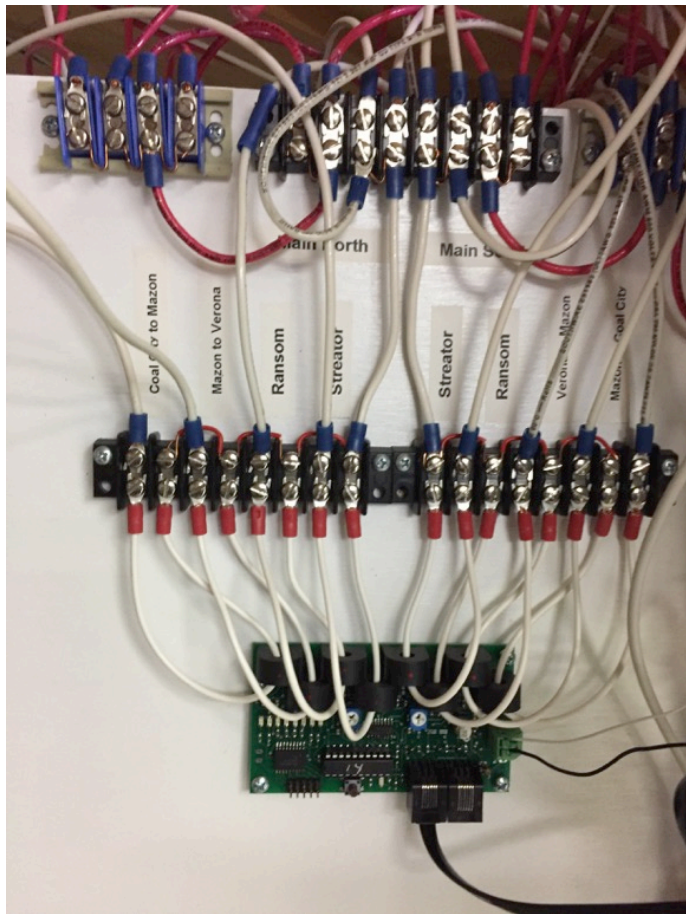
Train Control is NCE wireless



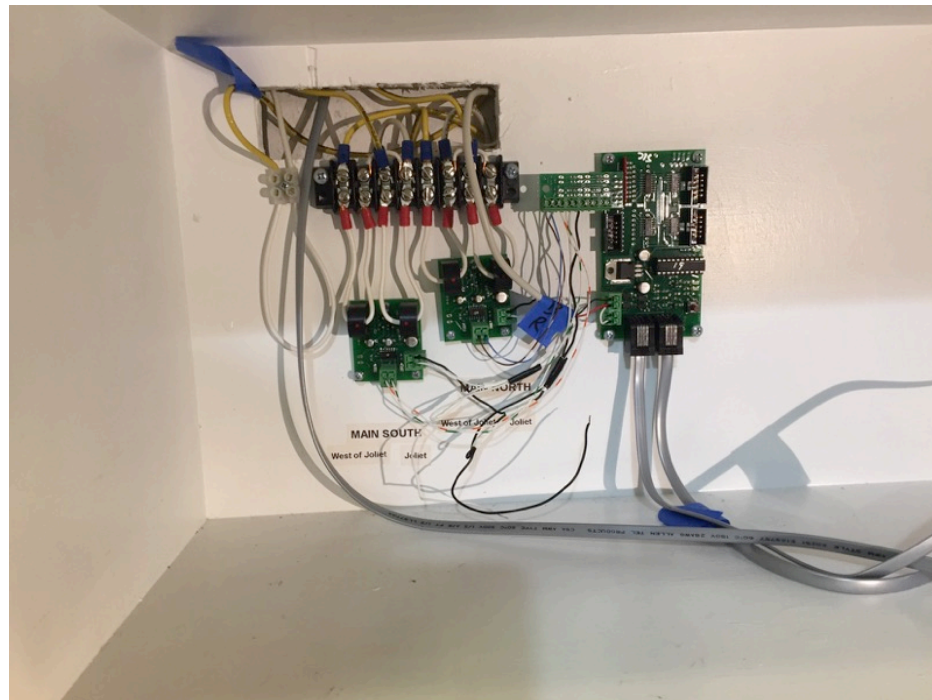
The layout is a point to point layout double track main with industries and businesses along the line. The layout has three double crossovers and three single crossovers.



Detection provides dispatcher the ability to see train occupancy and set crossovers for multiple train activity



Detection circuits

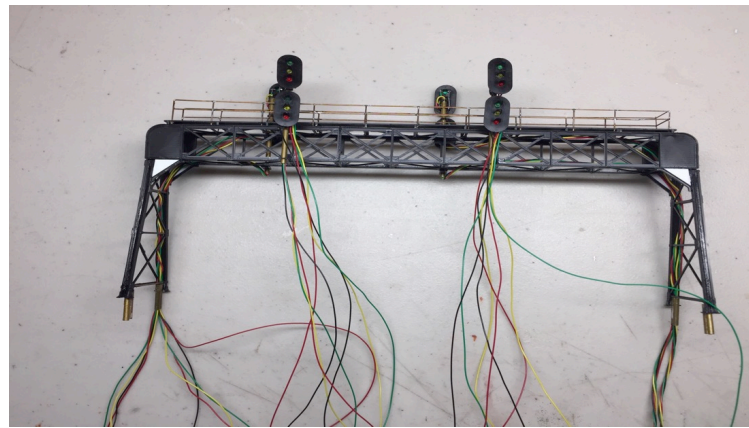


Signaling allows through trains to operate around local train activity

BLMA signal bridge



Oregon Rail Supply signal bridge





Typical Trains in a session

Potentially 21 to 23 trains
are run in a session

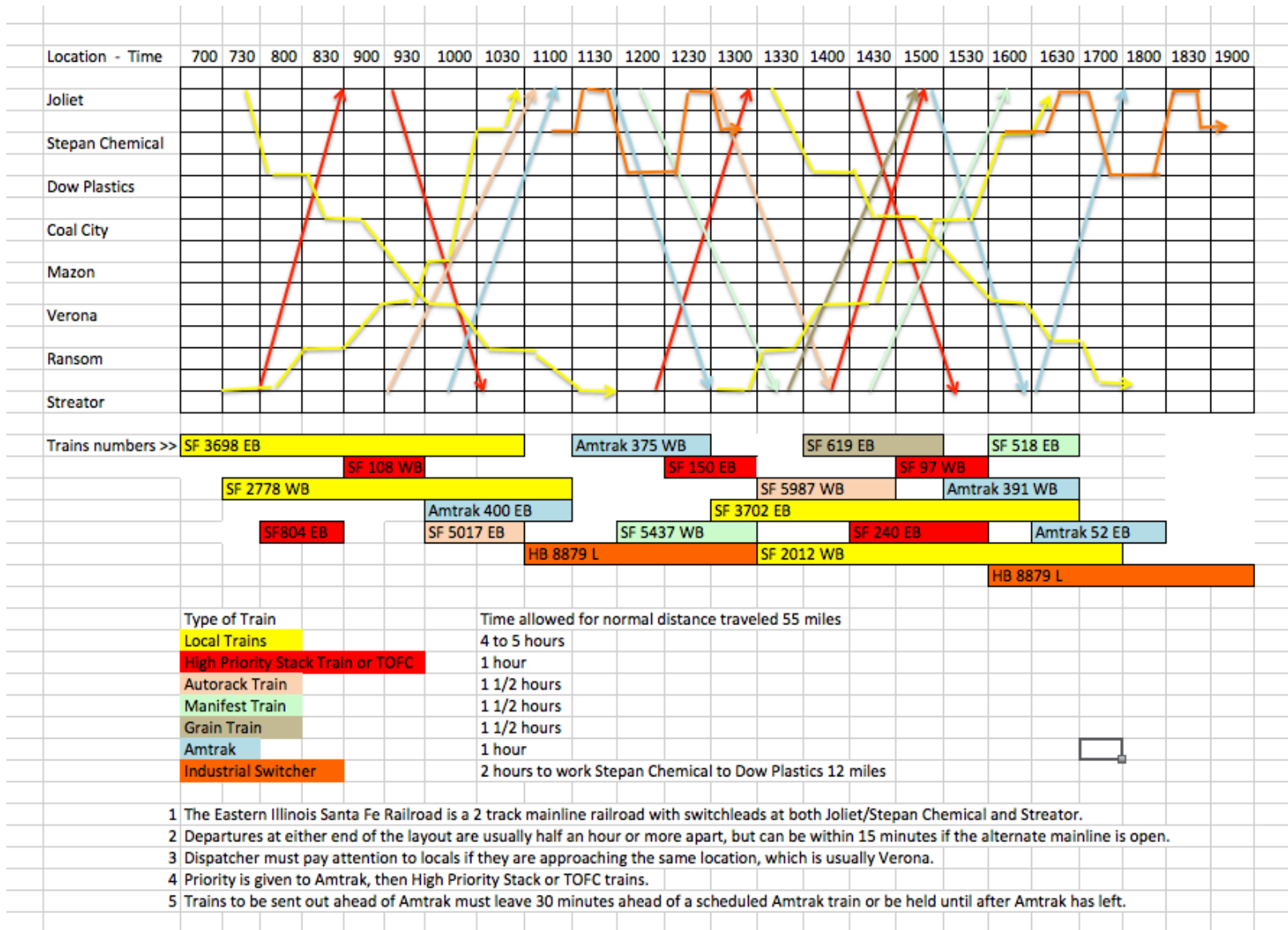
- Six local trains serving communities & industries
- Two long distance Amtrak trains
- Two local Amtrak trains
- Five Intermodal Trains
- Two Autorack trains
- Three Manifest trains
- One unit Grain Train
- Opportunity for a Special movement train
- Opportunity for a maintenance train

Typical Trains in a session

Train Line ups, March 8, 2020

Order	Eastbound 	Macro Out	Macro In	 Westbound	Macro Out	Macro In
1	Santa Fe 3698 Local	236	116			
2				Santa Fe 2778 Local	136	216 or 226
3	Santa Fe 5017 Intermodal	201 to south 211 to north	101			
4	Santa Fe 532 Autorack	202	102			
5				Amtrak 400 Lincoln Serv	27/30	92
6	Amtrak 28 SW Chief #4	203	103			
7				Santa Fe 108 Intermodal	104	204
8				Harbor Belt 8879 Local		
9				Santa Fe 5987 Autorack	105	205
10	Santa Fe 150 TOF/Pigs	231	101			
11				Santa Fe 5437 Manifest	105	205
12	Santa Fe 619 Grain Train	203	103			
13	Santa Fe 162 Local	236	116			
14				Santa Fe 97 Stacktrain	104	204
15				Santa Fe 2012 Local	136	216 or 226
16	Santa Fe 240 Intermodal	202	102			
17				Harbor Belt 8879 Local		
18	Santa Fe 5831 Manifest	203	103			
19	Santa Fe 7422 Manifest	202	102	Amtrak 13 SW Chief # 3	105	205
20	Amtrak 400 Lincoln Service	92	27/30	Conrail 1628 Special Move		

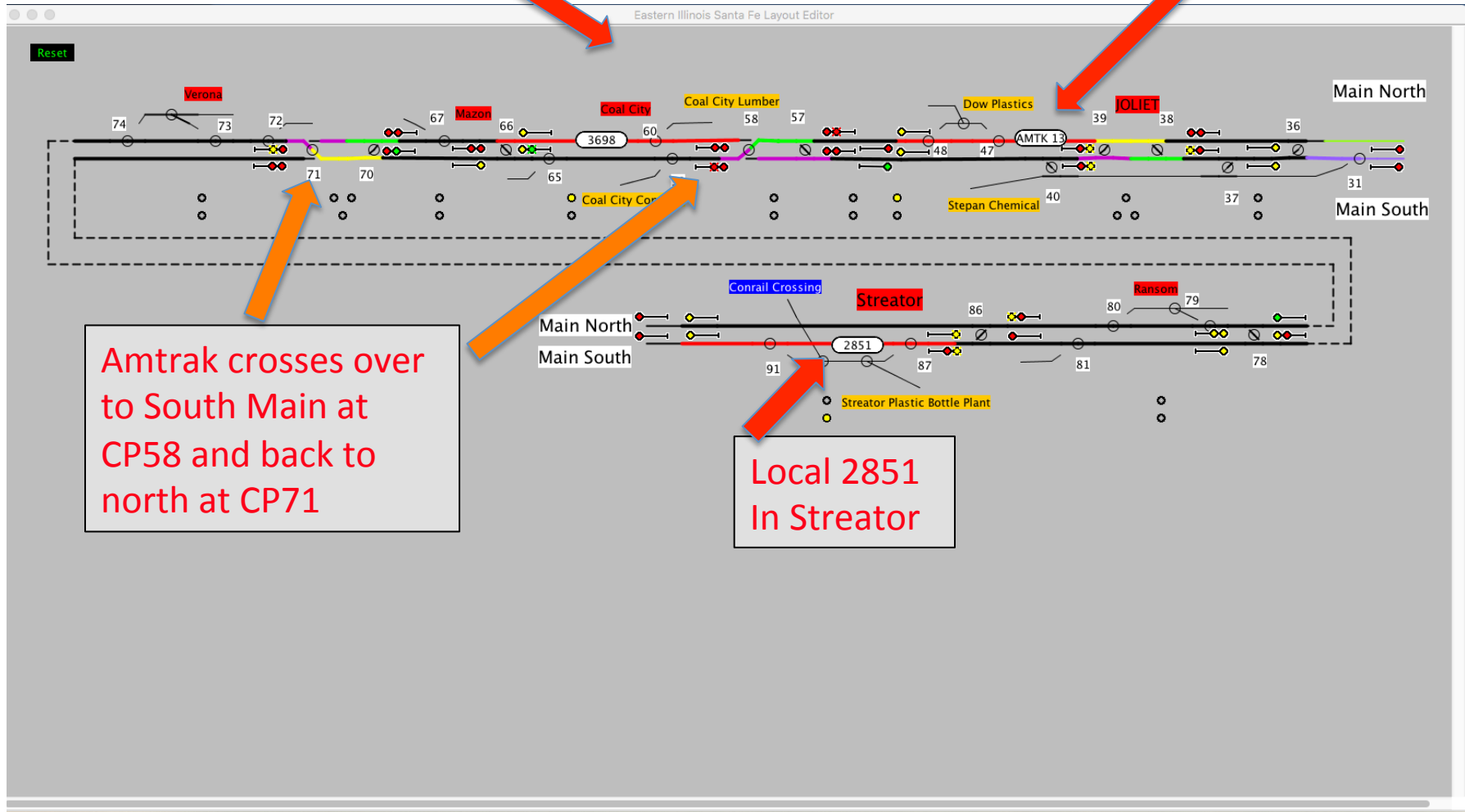
Train Schedule



Local 3698
In Coal City

Dispatcher screen

Amtrak
SW Chief



Locations served on the layout

OperationsPro Settings Layout Editor

Locations

ID	Name	Track	Length	Used	Rolling Stock	Pick ups	Set outs	Action	Edit
12	Chicago Staging	Staging	25600	9605	125	0	0	Yardmaster	Edit
4	Coal City	Spurs	645	491	9	0	0	Yardmaster	Edit
2	Dow Plastics	C/I Spurs Yards	1601	865	14	0	0	Yardmaster	Edit
1	Joliet	Spurs	1440	391	6	0	0	Yardmaster	Edit
9	Kansas City Staging	Staging	25000	10555	137	0	0	Yardmaster	Edit
5	Mazon	Spurs	620	187	3	0	0	Yardmaster	Edit
7	Ransom	Spurs	440	248	4	0	0	Yardmaster	Edit
3	Stephan Chemical	C/I Spurs Yards	1725	702	12	0	0	Yardmaster	Edit
8	Streator	C/I Spurs	1165	236	4	0	0	Yardmaster	Edit
6	Verona	C/I Spurs	827	487	8	0	0	Yardmaster	Edit

Sort by Name ID Add...

Listing of the different spurs and or industries at a location

Edit Location

Name

This location is serviced by trains traveling

East West

Select the rolling stock serviced by this location

<input type="checkbox"/> Autobox	<input type="checkbox"/> Autorack	<input type="checkbox"/> Baggage	<input type="checkbox"/> Ballast Hopr	<input checked="" type="checkbox"/> Box-Thrall D	<input checked="" type="checkbox"/> BoxCarPlywod	<input checked="" type="checkbox"/> Boxcar	<input type="checkbox"/> Boxcar Ins.	<input type="checkbox"/> Caboose
<input type="checkbox"/> Coal	<input type="checkbox"/> Coilcar	<input type="checkbox"/> EconStack	<input type="checkbox"/> FlatBHPaper	<input checked="" type="checkbox"/> FlatBHWood	<input checked="" type="checkbox"/> FlatBulkHead	<input type="checkbox"/> FlatTimber	<input type="checkbox"/> FlatTrailer	<input type="checkbox"/> FlatWood
<input type="checkbox"/> Flatcar	<input type="checkbox"/> Flatcar-Depr	<input type="checkbox"/> GA-Airslide	<input type="checkbox"/> Gon-scrap	<input type="checkbox"/> Gondola	<input type="checkbox"/> Hop Ctr Flow	<input checked="" type="checkbox"/> Hop Grain	<input type="checkbox"/> HopChem	<input checked="" type="checkbox"/> HopCmnt
<input type="checkbox"/> HopCoal	<input type="checkbox"/> HopCoal-Ety	<input checked="" type="checkbox"/> HopFertilzer	<input type="checkbox"/> HopPlstc	<input type="checkbox"/> HopSand	<input type="checkbox"/> Hopper	<input type="checkbox"/> MOW	<input type="checkbox"/> MOWBox	<input type="checkbox"/> Mat Hand
<input type="checkbox"/> Passenger	<input type="checkbox"/> ReefMech	<input type="checkbox"/> Reefer	<input type="checkbox"/> ReeferIce	<input type="checkbox"/> Spine	<input type="checkbox"/> Stock	<input type="checkbox"/> Tank - Chem	<input type="checkbox"/> Tank -Acid	<input type="checkbox"/> Tank Food
<input type="checkbox"/> Tank Gas	<input type="checkbox"/> Tank Kero	<input type="checkbox"/> Tank Oil	<input type="checkbox"/> Tank Veg	<input type="checkbox"/> TrnsferCabos	<input type="checkbox"/> Well	<input type="checkbox"/> well	<input type="checkbox"/> Dash 8-40CW	<input type="checkbox"/> Diesel
<input type="checkbox"/> Electric	<input type="checkbox"/> Engine	<input type="checkbox"/> Gas Turbine	<input type="checkbox"/> Steam					

Tracks at this location

Spurs
 Yards
 Classification/Interchange
 Staging only

ID	Spur Name	Length	Used	Reserved	Cars	Locos	Pick ups	Set outs	Schedule	Edit
4s2	Coal City Concrete	180	128	0	3	0	0	0	Cement	<input type="button" value="Edit"/>
4s1	Coal City CoOp	220	176	0	3	0	0	0	Grain	<input type="button" value="Edit"/>
4s3	Coal City Lumber	125	118	0	2	0	0	0	Lumber	<input type="button" value="Edit"/>
4s4	CoOP Spots 6 & 7	120	69	0	1	0	0	0	Coal City Fer...	<input type="button" value="Edit"/>

Comment

Description of the Spur Track

- Length of track
- Cars that can serve this location
- Direction of trains to service this spur

The screenshot shows a software window titled "Edit Spur Track" with the following configuration options:

- Name:** Coal City Lumber
- Length:** 125
- This spur is serviced by trains tra...:** East, West
- Select the rolling stock serviced by this spur:**
 - Box-Thrall D
 - BoxCarPlywod
 - Boxcar
 - FlatBHWood
 - FlatBulkHead
 - Hop Grain
 - HopCmnt
 - HopFertilzer

Buttons: Clear all, Select All
- Road Option:** Track accepts all roads
- Load Option:** Track accepts all loads
- Select trains or routes for car set outs:** Any, Trains, Routes, Exclude Trains, Exclude Routes
- Select trains or routes for car pick ups:** Any, Trains, Routes, Exclude Trains, Exclude Routes
- Optional Schedule:** Lumber (dropdown), Edit (button)
- Comment:** (empty text area)
- Buttons:** Delete Spur Track, Add Spur Track, Save Spur Track

List of all the cars on the layout

Select	Number	Road	Type	Len	Load	Kernel	Location	Destination	Train	Moves	Set	Edit
<input type="checkbox"/>	445034	BN	Hop Grain	54	E		Kansas City Staging (Kansas C...			11	Set	Edit
<input type="checkbox"/>	450745	BN	Hop Grain	60	E					0	Set	Edit
<input type="checkbox"/>	450945	BN	Hop Grain	60	E		Kansas City Staging (Kansas C...			0	Set	Edit
<input type="checkbox"/>	45095	BN	Hop Grain	60	E		Kansas City Staging (Kansas C...			0	Set	Edit
<input type="checkbox"/>	706367	C&EI	HopCmnt	38	E.		Coal City (Coal City Concrete)	->Chicago Staging		70	Set	Edit
<input type="checkbox"/>	20034	CERX	Tank Oil	58	L		Stephan Chemical (Eastbound...	->Chicago Staging		54	Set	Edit
<input type="checkbox"/>	10269	CGLX	HopPlstc	68	L		Dow Plastics (Plant Loading)	->Chicago Staging		89	Set	Edit
<input type="checkbox"/>	287003	CHVX	Tank Oil	58	L		Dow Plastics (Westbound Siding)	->Kansas City Staging		50	Set	Edit
<input type="checkbox"/>	287046	CHVX	Tank Oil	58	L		Stephan Chemical (Loading tr...	->Kansas City Staging		54	Set	Edit
<input type="checkbox"/>	896289	CHVX	HopPlstc	60	L		Stephan Chemical (Eastbound...	->Chicago Staging		72	Set	Edit
<input type="checkbox"/>	2001	CIDX	Gondola	56	E					0	Set	Edit
<input type="checkbox"/>	419137	CNA	Boxcar	54	E		Chicago Staging (Chicago Stag...			11	Set	Edit
<input type="checkbox"/>	178600	CNW	Hop Grain	54	E		Kansas City Staging (Kansas C...			0	Set	Edit
<input type="checkbox"/>	180270	CNW	Hop Grain	54	E		Kansas City Staging (Kansas C...			0	Set	Edit
<input type="checkbox"/>	95652	CNW	HopCmnt	40	E.		Kansas City Staging (Kansas C...			0	Set	Edit
<input type="checkbox"/>	208070	CR	Boxcar	58	E		Chicago Staging (Track 6C)			47	Set	Edit
<input type="checkbox"/>	237309	CR	Boxcar	86	E					0	Set	Edit
<input type="checkbox"/>	876261	CR	HopCmnt	38	E.		Streator (Streator Switch Lead)	->Coal City (Coal City Concrete)		87	Set	Edit
<input type="checkbox"/>	876278	CR	HopCmnt	38	E		Chicago Staging (Track 6C)			87	Set	Edit
<input type="checkbox"/>	876341	CR	HopCmnt	38	L		Dow Plastics (Westbound Siding)	->Kansas City Staging		83	Set	Edit
<input type="checkbox"/>	876361	CR	HopCmnt	38	E		Kansas City Staging (Track 6B)			88	Set	Edit
<input type="checkbox"/>	892016	CR	Hop Grain	56	E		Kansas City Staging (Kansas C...			0	Set	Edit
<input type="checkbox"/>	4943	CRGX	Tank Veg	40	E		Chicago Staging (Track 6A)			3	Set	Edit
<input type="checkbox"/>	5498	CRLE	Well	52	E		Chicago Staging (Chicago Stag...			0	Set	Edit
<input type="checkbox"/>	5549	CRLE	Well	52	E		Kansas City Staging (Kansas C...			0	Set	Edit
<input type="checkbox"/>	171349	CSXT	Boxcar	60	E					0	Set	Edit
<input type="checkbox"/>	172625	CSXT	Boxcar	65	E		Chicago Staging (Chicago Stag...			0	Set	Edit

Sort by: Number Road Type Load Color Kernel Location Destination FD RWE Train Moves Built Owner Wait Pick up Last

343 cars

Information that can be entered on each car

Edit Car

Road:

Road Number:

Type:
 Passenger Caboose FRED Utility Hazardous

Length:

Location and Track: Auto

Optional

Weight: Ounces Auto
Tons

Color:

Load:

Kernel:

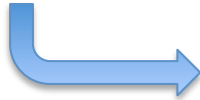
Built:

Owner:

Comment:

Switch list, page 1 for local Westbound train

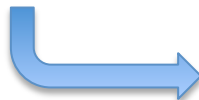
These are the cars on the train at the start of the run



First stop is Dow Plastics, pick up the 5 cars indicated in red and set out the one car shown in green.



Next stop is Coal City, pick up the 4 cars indicated in red and set out the 2 cars shown in green.



WB Local #6 - 1 - March 11, 2020 9:46 PM
My JMRI Railroad
Manifest for train (Westbound Local #6) WB Local #6
Valid 3/11/2020 21:46

Scheduled work at Chicago Staging, departure time 09:00

- [] Pick up ATSF 3698 GP-39-2 from Track 6B
- [] Pick up ATSF 2345 GP38 from Track 6B
- [] Pick up UTLX 641533 Tank Oil 56' Black E. from Track 6B destination Dow Plastics
- [] Pick up ATSF 313895 Hop Grain 56' Brown E from Track 6B destination Coal City
- [] Pick up ATSF 314476 Hop Grain 56' Brown E from Track 6B destination Coal City
- [] Pick up NAHX 54416 Hop Grain 56' Gray E from Track 6B destination Verona
- [] Pick up ATSF 307666 Hop Grain 56' Brown E from Track 6B destination Verona
- [] Pick up ACFX 27943 Hop Grain 56' Gray E from Track 6B destination Verona
- [] Pick up USLX 10177 BoxCarPlywod 60' Orange L. from Track 6B destination Verona
- [] Pick up ATSF 308085 Hop Grain 56' Brown E from Track 6B destination Ransom
- [] Pick up GBW 6059 HopCmnt 40' Gray E. from Track 6B destination Streator
- [] Pick up MASX 1061 Box 60' Gray E from Track 6B destination Kansas City Staging
- [] Pick up ATSF 310546 GA 54' Gray E from Track 6B destination Kansas City Staging
- [] Pick up ATSF 310534 GA 54' Gray E from Track 6B destination Kansas City Staging
- [] Pick up ATSF 310114 GA 42' Brown E from Track 6B destination Kansas City Staging
- [] Pick up ATSF 999416 Caboose 42' Red from Track 6B destination Kansas City Staging

Train departs Chicago Staging Westbound with 14 cars, 925 feet, 789 tons

Scheduled work at Dow Plastics, arrival time 09:10

- [] Pick up GBW 7048 Boxcar 60' Yellow L. from Westbound Siding destination Verona
- [] Pick up ACFX 99666 HopPlstc 58' Gray L from Westbound Siding destination Kansas City Staging
- [] Pick up CR 876361 HopCmnt 38' Gray L from Westbound Siding destination Kansas City Staging
- [] Pick up GATX 22799 Tank Oil 42' Black L from Westbound Siding destination Kansas City Staging
- [] Pick up ACFX 98087 HopPlstc 65' Gray L from Westbound Siding destination Kansas City Staging
- [] Set out UTLX 641533 Tank Oil 56' Black E. to Westbound Siding

Train departs Dow Plastics Westbound with 18 cars, 1,148 feet, 1,152 tons

Scheduled work at Coal City, arrival time 10:50

- [] Pick up SOO 74176 Hop Grain 56' Gray L from Coal City CoOp destination Streator
- [] Pick up ATSF 308337 Hop Grain 56' Brown L from Coal City CoOp destination Streator Resistor
- [] Pick up ATSF 302621 Hop Grain 52' Mineral Brn L from Coal City CoOp destination Streator
- [] Pick up ACFX 46500 HopFertilzer 60' Gray E. from CoOP Spots 6 & 7 destination Kansas City Staging
- [] Set out ATSF 313895 Hop Grain 56' Brown E to Coal City CoOp
- [] Set out ATSF 314476 Hop Grain 56' Brown E to Coal City CoOp

Train departs Coal City Westbound with 20 cars, 1,268 feet, 1,475 tons

No work at Mazon

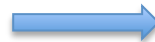
Next stop is Verona, pick up the 2 cars indicated in red and set out the 5 cars shown in green. Note, there are 2 separate locations at Verona



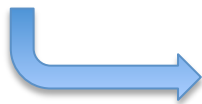
One set out at Ransom



Final stop is Streator, pick up the one car indicated in red and set out the 5 cars shown in green.



This is the train at the end of the run showing the cars that should be on the train to take to staging.



Switch list, page 2 for local Westbound train

Scheduled work at Verona, arrival time 12:40

- [] Pick up SFLC 10708 Boxcar Ins. 58' Brown E from Verona Team Track destination Streator
 - [] Pick up ATSF 601093 Boxcar 65' Brown E from Verona Team Track destination Kansas City Staging
 - [] Set out NAHX 54416 Hop Grain 56' Gray E to Verona CoOp
 - [] Set out ATSF 307666 Hop Grain 56' Brown E to Verona CoOp
 - [] Set out ACFX 27943 Hop Grain 56' Gray E to Verona CoOp
 - [] Set out USLX 10177 BoxCarPlywod 60' Orange L. to Verona Team Track
 - [] Set out GBW 7048 Boxcar 60' Yellow L. to Verona Team Track
- Train departs Verona Westbound with 17 cars, 1,091 feet, 1,244 tons

Scheduled work at Ransom, arrival time 14:35

- [] Set out ATSF 308085 Hop Grain 56' Brown E to Ransom CoOp Loading
- Train departs Ransom Westbound with 16 cars, 1,031 feet, 1,212 tons

Scheduled work at Streator, arrival time 15:00

- [] Pick up ACFX 98520 HopPlstc 65' Gray E from Streator Switch Lead destination Kansas City Staging
 - [] Set out GBW 6059 HopCmnt 40' Gray E. to Streator Switch Lead
 - [] Set out SOO 74176 Hop Grain 56' Gray L to Streator Switch Lead
 - [] Set out ATSF 308337 Hop Grain 56' Brown L to Streator Switch Lead Resistor
 - [] Set out ATSF 302621 Hop Grain 52' Mineral Brn L to Streator Switch Lead
 - [] Set out SFLC 10708 Boxcar Ins. 58' Brown E to Streator Switch Lead
- Train departs Streator Westbound with 12 cars, 818 feet, 855 tons

Scheduled work at Kansas City Staging, arrival time 16:40

- [] Set out ATSF 3698 GP-39-2 to Track 6B
 - [] Set out ATSF 2345 GP38 to Track 6B
 - [] Set out MASX 1061 Box 60' Gray E to Track 6B
 - [] Set out ATSF 310546 GA 54' Gray E to Track 6B
 - [] Set out ATSF 310534 GA 54' Gray E to Track 6B
 - [] Set out ATSF 310114 GA 42' Brown E to Track 6B
 - [] Set out ACFX 46500 HopFertilizer 60' Gray E. to Track 6B
 - [] Set out ACFX 99666 HopPlstc 58' Gray L to Track 6B
 - [] Set out CR 876361 HopCmnt 38' Gray L to Track 6B
 - [] Set out GATX 22799 Tank Oil 42' Black L to Track 6B
 - [] Set out ACFX 98087 HopPlstc 65' Gray L to Track 6B
 - [] Set out ACFX 98520 HopPlstc 65' Gray E to Track 6B
 - [] Set out ATSF 601093 Boxcar 65' Brown E to Track 6B
 - [] Set out ATSF 999416 Caboose 42' Red to Track 6B
- Train terminates in Kansas City Staging

Switching job for Stepan Chemical and Dow Plastics

The first task for the switcher is a combination of **Moves** and **Pickups**. My experience is to do **moves** first and then the **pickups**

Switcher takes its **pickups** from Stepan and travels to Dow Plastics to do **moves**, **set outs** and more **pick ups**. This stage of the job requires reading ahead and developing a strategy for **moves**.

Final task is making **set outs** for future trains that will come to the Eastbound siding which is for interchange traffic

My JMRI Railroad

Manifest for train (S-D Switcher)
Valid 3/11/2020 21:49

1st Shift

Scheduled work at Stepan Chemical, departure time 11:00

- [] Pick up CGLX 10269 HopPlstc 68' Gray E. from Eastbound Siding destination Dow Plastics
 - [] Pick up DOWX 21497 HopPlstc 60' Gray E. from Eastbound Siding destination Dow Plastics
 - [] Pick up HPPX 58692 HopPlstc 68' Gray E. from Eastbound Siding destination Dow Plastics
 - [] Pick up SSAM 43637 Boxcar 60' Red L. from Eastbound Siding destination Dow Plastics
 - [] Pick up MOBX 14271 Tank Oil 58' Black L from Loading track destination Dow Plastics Successful resistor paint application
 - [] Pick up IHB 4 TransferCabos 40' Black from stub track destination Stepan Chemical
 - [] Move MOBX 14237 Tank Oil 56' Black L from Loading track to Eastbound Siding
 - [] Move CERX 20034 Tank Oil 58' Black E. from Storage Tracks to Loading track
 - [] Move CHVX 287003 Tank Oil 58' Black E. from Storage Tracks to Loading track
 - [] Move SCMX 4222 Tank Oil 54' Black E. from Eastbound Siding to Storage Tracks
- Train departs Stepan Chemical Eastbound with 6 cars, 378 feet, 605 tons

Scheduled work at Dow Plastics, arrival time 11:10

- [] Pick up SFRB 5642 Boxcar 54' Red E from Materials Track destination Stepan Chemical
 - [] Pick up CR 208070 Boxcar 58' Brown E from Materials Track destination Stepan Chemical
 - [] Pick up XOMX 720245 HopPlstc 68' Gray L from Plant Loading destination Stepan Chemical
 - [] Pick up UTLX 641533 Tank Oil 56' Black E. from Westbound Siding destination Stepan Chemical
 - [] Move EJ&E 65277 Boxcar 50' Orange L. from Storage Tracks to Materials Track
 - [] Move ATSF 49008 Boxcar 56' Red L. from Storage Tracks to Materials Track
 - [] Move PPU 8008 Boxcar 60' Red L. from Storage Tracks to Materials Track
 - [] Set out CGLX 10269 HopPlstc 68' Gray E. to Plant Loading
 - [] Set out DOWX 21497 HopPlstc 60' Gray E. to Plant Loading
 - [] Set out HPPX 58692 HopPlstc 68' Gray E. to Plant Loading
 - [] Move RBOX 40325 Boxcar 50' Yellow E from Materials Track to Westbound Siding
 - [] Move XOMX 720226 HopPlstc 68' Gray L from Plant Loading to Westbound Siding
 - [] Move XOMX 720208 HopPlstc 68' Gray L from Plant Loading to Westbound Siding
 - [] Set out SSAM 43637 Boxcar 60' Red L. to Westbound Siding
 - [] Set out MOBX 14271 Tank Oil 58' Black L to Westbound Siding Successful resistor paint application
- Train departs Dow Plastics Westbound with 5 cars, 296 feet, 349 tons

Scheduled work at Stepan Chemical, arrival time 16:35

- [] Set out SFRB 5642 Boxcar 54' Red E to Eastbound Siding
- [] Set out CR 208070 Boxcar 58' Brown E to Eastbound Siding
- [] Set out XOMX 720245 HopPlstc 68' Gray L to Eastbound Siding
- [] Set out UTLX 641533 Tank Oil 56' Black E. to Storage Tracks

Typical Op session
with operators spread out for their work



Staging below the layout

Verona CoOp switching



Staging below the layout

Streator switching



Switching Stepan Chemical and Dow Plastics



Dispatcher location



Operations with On the Eastern Illinois Santa Fe



Website: atsf93.com

Email: atsf93@comcast.net