



Norfolk Southern N-Line

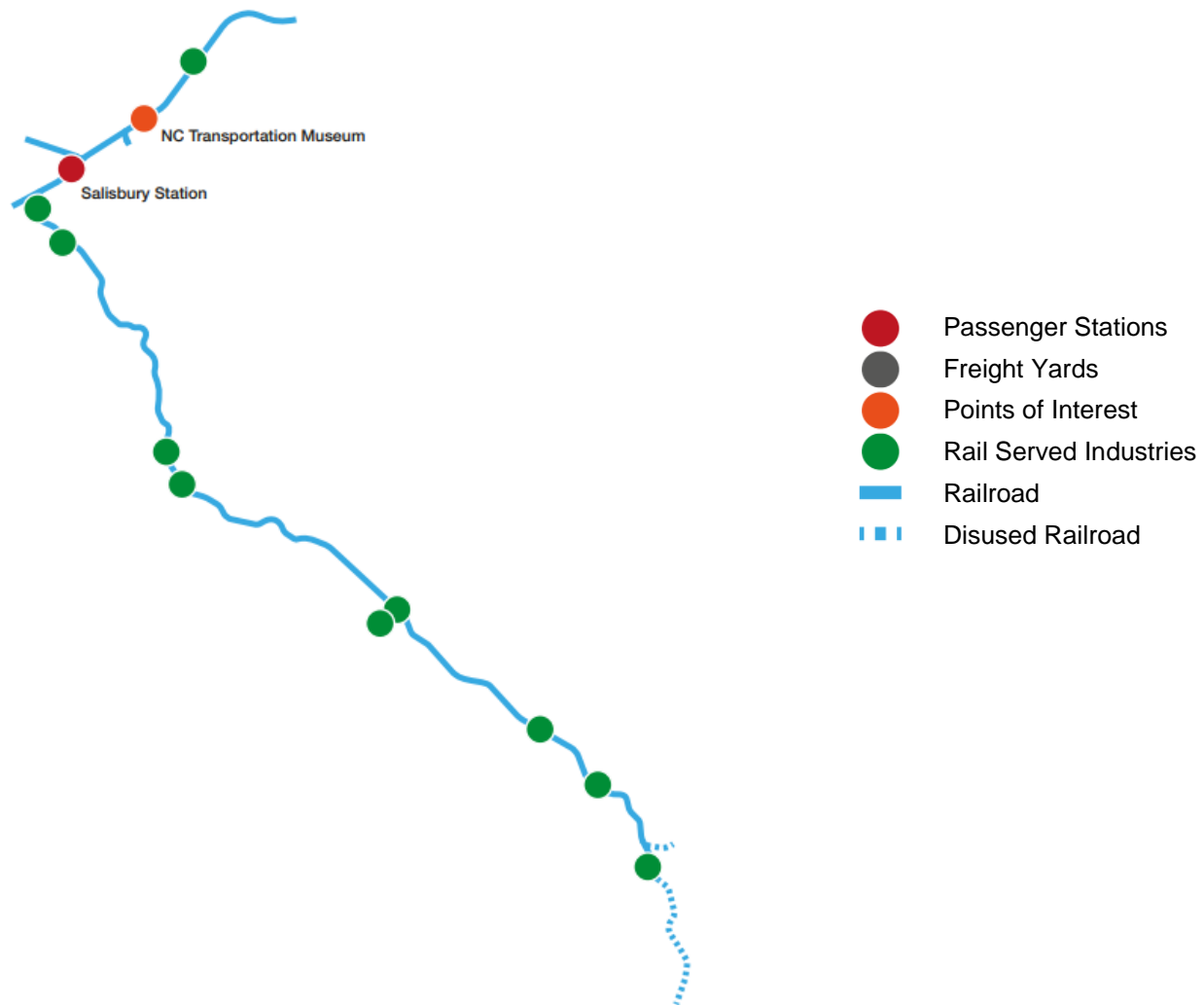


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Whilst we do our utmost to reproduce sounds that are accurate and true-to-life, sometimes these sounds may not completely tally with the user's expectation. Due to the nature of the simulation, it is often not possible to reproduce a completely accurate soundscape for a variety of reasons such as limitations with our current technology and occasional inability to gain meaningful access to the locomotives being created. You should therefore regard the audio reproduction for our locomotives as authentic interpretations rather than perfect recreations.

1 Route Map



2 Rolling Stock

Electro-Motive GP38-2 “High Nose” in Norfolk Southern Livery



Electro-Motive GP38-2 “Low Nose” in Norfolk Southern Livery



Electro-Motive GP40-2 in Norfolk Southern Livery



3 Driving the GP38-2 “High Nose”

Cab Controls



| | | | |
|---|------------------|----|-----------------------|
| 1 | Train Brake | 8 | Reverser |
| 2 | Locomotive Brake | 9 | Step Lights |
| 3 | Horn | 10 | Wipers |
| 4 | Sander | 11 | Headlights |
| 5 | Bell | 12 | Cab Light |
| 6 | Dynamic Brake | 13 | Engine Start and Stop |
| 7 | Throttle | | |

Key Layout

| Function | Key | Key |
|---|----------------|-------|
| Increase or Decrease Throttle. | A | D |
| Move reverser control Forward or Backward. | W | S |
| Increase or Decrease Train Brake. | ; | ' |
| Increase or Decrease Direct Brake. | [|] |
| Increase or Decrease Electric Brake. | , | . |
| Load/Unload. Press once to load/unload passengers or freight. | | T |
| Headlights. Repeatedly pressing will cycle through headlight states where appropriate. | | H |
| Windscreen Wipers. Press once to switch on and again to switch off. | | V |
| (Expert) Engine Stop/Start. By default engines will already be running at the start of a scenario. Press this button to stop and then again to restart the engine. | | Z |
| (Expert) Sander. Causes sand to be laid on the rails next to the wheels to assist with adhesion. Press and hold to activate sander, let go to stop. | | X |
| Horn. Press once to sound the Horn. | | Space |
| Horn. Press once to sound the Horn. | | B |
| Handbrake. Press to toggle the train Handbrake on and off. | | / |
| Cab Lights. Toggle the Cab lights on and off. | | L |
| Pantograph. Raise and lower the selected pantograph. | | P |
| Pantograph Selection. Cycle through the pantographs. | Shift + | P |
| Couple manually. | Ctrl + Shift + | C |

4 Driving the GP38-2 “Low Nose”

Cab Controls





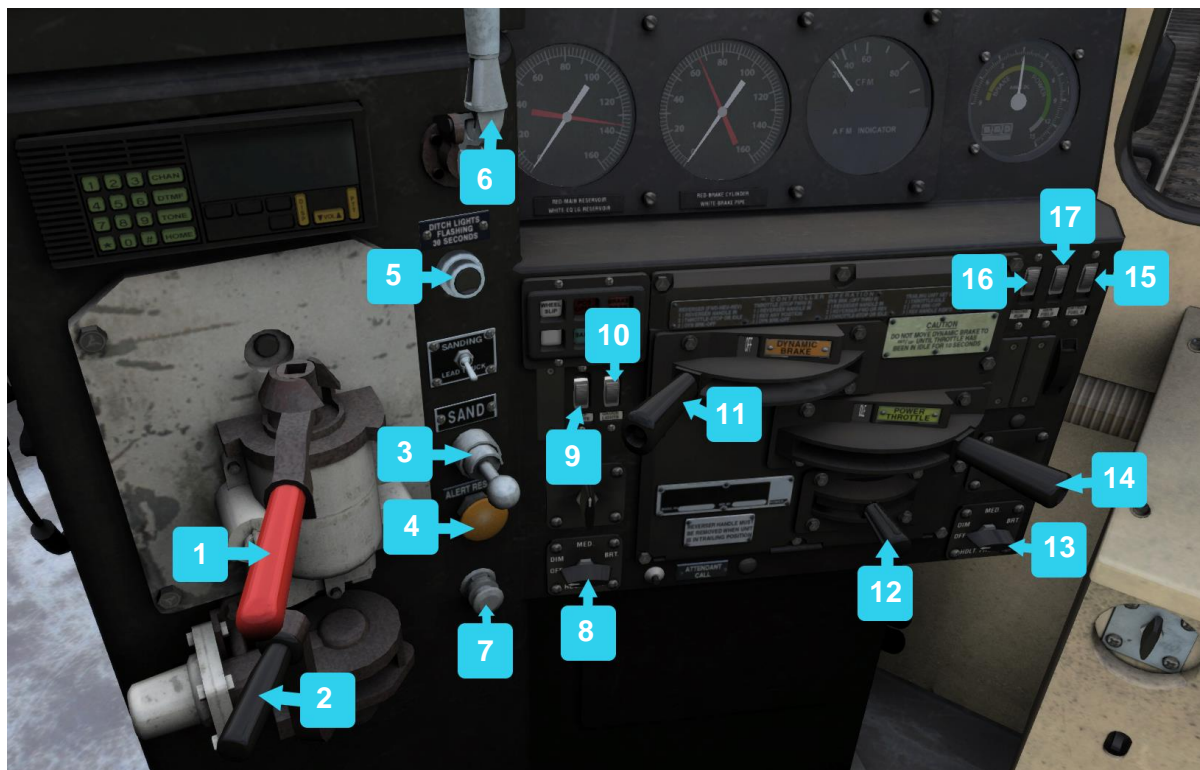
| | | | |
|---|---------------|----|--------------|
| 1 | Reverser | 9 | Bell |
| 2 | Throttle | 10 | Horn |
| 3 | Train Brake | 11 | Gauge Lights |
| 4 | Loco Brake | 12 | Ditch Lights |
| 5 | Dynamic Brake | 13 | Engine Start |
| 6 | Headlights | 14 | Engine Stop |
| 7 | Wipers | 15 | Step Lights |
| 8 | Sander | | |

Key Layout

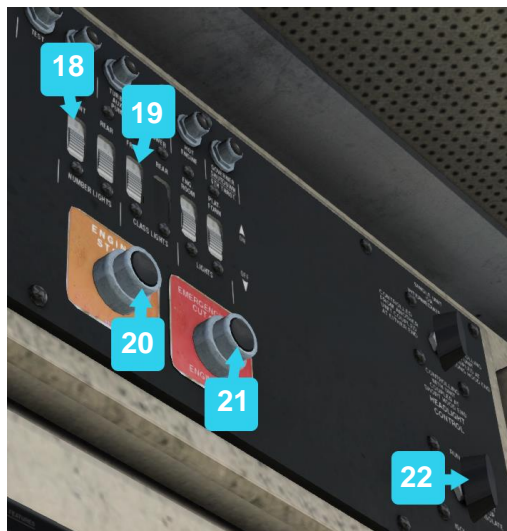
| Function | Key | Key |
|--|-----|-----------|
| Increase or Decrease Power. | A | D |
| Move reverser control Forward or Backward. | W | S |
| Increase or Decrease Train Brake. | ; | ' |
| Increase or Decrease Locomotive Brake. | [|] |
| Increase or Decrease Dynamic Brake. | , | . |
| (Expert) Sander. Causes sand to be laid on the rails next to the wheels to assist with adhesion. Press and hold to activate sander, let go to stop. | | X |
| Alert Reset. | | Q |
| Headlights. Repeatedly pressing will cycle through headlight states where appropriate. | H | Shift + H |
| Windscreen Wipers. Press once to switch on and again to switch off. | | V |
| Horn. Press once to sound the Horn. | | Space |
| Bell. Press once to sound the Bell. | | B |
| Cab Lights. Toggle the Cab lights on and off. | | L |
| Gauge Lights. Toggle all Gauge Lights | | I |

5 Driving the GP40-2

Cab Controls



| | | | |
|---|------------------|----|---------------------|
| 1 | Train Brake | 10 | Gauge Lights |
| 2 | Locomotive Brake | 11 | Dynamic Brake |
| 3 | Sander | 12 | Reverser |
| 4 | Alerter Reset | 13 | Headlights Front |
| 5 | Ditch Lights | 14 | Power Handle |
| 6 | Horn | 15 | Control & Fuel Pump |
| 7 | Bell | 16 | Engine Run |
| 8 | Headlights Rear | 17 | Generator Field |
| 9 | Step Lights | | |



| | | | |
|-----------|---------------|-----------|-----------------------------|
| 18 | Number Lights | 22 | Engine Run Isolation Switch |
| 19 | Class Lights | 23 | Wipers |
| 20 | Engine Start | 24 | Cab Lights |
| 21 | Engine Stop | | |

Key Layout

| Function | Key | Key |
|--|-----|-----------|
| Increase or Decrease Power. | A | D |
| Move reverser control Forward or Backward. | W | S |
| Increase or Decrease Train Brake. | ; | ' |
| Increase or Decrease Locomotive Brake. | [|] |
| Increase or Decrease Dynamic Brake. | , | . |
| (Expert) Sander. Causes sand to be laid on the rails next to the wheels to assist with adhesion. Press and hold to activate sander, let go to stop. | | X |
| Alert Reset. | | Q |
| Headlights. Repeatedly pressing will cycle through headlight states where appropriate. | H | Shift + H |
| Windscreen Wipers. Press once to switch on and again to switch off. | | V |
| Horn. Press once to sound the Horn. | | Space |
| Bell. Press once to sound the Bell. | | B |
| Cab Lights. Toggle the Cab lights on and off. | | L |
| Gauge Lights. Toggle all Gauge Lights | | I |

Cold & Dark Start Procedure

1. Move the Engine Run, Generator Field and Control & Fuel Pump switches to the on position (Up).
2. Turn the Engine Run Isolation Switch to the Start/Stop Isolate position.
3. Depress the Engine Start Button until the engine has started.
4. Turn the Engine Run Isolation Switch to the Run position.

6 Scenarios

Career Scenarios

- [GP38-2] 1. The Whole Line
- [GP40-2] 2. All of the Freight!
- [GP38-2] 3. Out of the Yard
- [GP38-2HN] 4. A Tough Day
- [GP40-2] 5. Freight Car Retrieval
- [GP40-2] 6. Delivery In The Drizzle
- [GP38-2] 7. Tricky Transit

Railfan Mode Scenarios

Railfan Mode provides a unique chance to observe and enjoy the operations of trains without the pressure and involvement of driving them. Railfan Mode scenarios are positioned at various key points along the route and provide camera functionality to sit back and watch the action unfold.

The following scenarios are located on the Drive screen under the **Career** tab:

- [Railfan] Gold Hill
- [Railfan] Salisbury Station

7 Acknowledgements

Dovetail Games would like to thank the following people for their contribution to the development of Norfolk Southern N-Line:

Steve Potter

Route Builder

Dan Barnett

Route Builder

Dovetail Games Beta Testing Team

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