

# **ESTWSIM**

---

## *Augsburg Hbf*

**Betriebsstellen-  
information**

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## **1. ALLGEMEINES**

Die Simulation ESTW Augsburg Hbf simuliert den Zugbetrieb im Bahnhof Augsburg Hbf und dem Bahnhofsteil Augsburg-Oberhausen.

- (A-Hochzoll) – Augsburg Hbf – A-Oberhausen – (Westheim)
- (Bobingen) – Augsburg Hbf – A-Oberhausen – (Gersthofen)

Die dargestellten Gleisanlagen auf Übersichtsbildern stellen den Zustand aus dem Jahr 2000 dar und decken sich in Bezug auf die Gleisgeometrie und Signalstandorte mit dem Original. Hierbei wurden Signalbilder, Durchrutschwege, Fahrstraßen oder sonstige signaltechnische Einrichtungen von der z.Z. vorhandenen Stellwerksbauform SpDrS60 übernommen.

Der verwendete Fahrplan entstammt aus dem Fahrplanjahr 1999/2000. Aufgabe ist es nun, den Zugverkehr möglichst reibungslos zu steuern. Das Ganze wird ergänzt durch zusätzliche Aufgaben, wie das Bereitstellen und Wegstellen von Reisezügen, dem Bereitstellen der Güterwagen zum Abdrücken über den Ablaufberg sowie die Selektierung der Züge an den Abzweigstellen. Erschwert wird das Disponieren durch fallweise Gleissperrungen aufgrund von Bauarbeiten oder Umleitungsverkehren.

Auf den einzelnen Streckenabschnitten sind nachfolgende Geschwindigkeiten zugelassen:

### **A-Hochzoll – Westhausen**

| <b>Abschnitt</b>                  | <b>V<sub>max</sub></b> |
|-----------------------------------|------------------------|
| A-Hochzoll – Augsburg Hbf         | 140 km/h               |
| Bf Augsburg Hbf Hauptgleis        | 100 km/h               |
| Bf Augsburg Hbf Nebengleis        | 40/60 km/h             |
| Bf A-Oberhausen Hauptgleis F-Bahn | 130 km/h               |
| Bf A-Oberhausen Hauptgleis P-Bahn | 80 km/h                |
| A-Oberhausen – Westhausen         | 160 km/h               |

### **Bobingen – Gersthofen**

| <b>Abschnitt</b>           | <b>V<sub>max</sub></b> |
|----------------------------|------------------------|
| Bobingen – Augsburg Hbf    | 140 km/h               |
| Bf A-Morellstr. Hauptgleis | 80 km/h                |
| Bf A-Morellstr. Nebengleis | 40 km/h                |
| Bf Augsburg Hbf Hauptgleis | 100 km/h               |
| Bf Augsburg Hbf Nebengleis | 40/60 km/h             |
| Bf A-Oberhausen Hauptgleis | 140 km/h               |
| Bf A-Oberhausen Nebengleis | 60 km/h                |
| A-Oberhausen – Gersthofen  | 160/200 km/h           |

## **2. BFT AUGSBURG MORELLSTR. (Kz.25)**

### **AUFGABEN**

- Haltepunkt für Züge des Regionalverkehrs
- Auflösungsbahnhof für Übergabegüterzüge

### **SELBSTSTELLBETRIEB**

|        |            |
|--------|------------|
| 25A740 | Zuglenkung |
| 25S720 | Zuglenkung |

### **NUTZLÄNGEN**

| <b>Gleis</b>  | <b>Länge</b> |
|---------------|--------------|
| 25G720+25G730 | 330m         |
| 25G920+25G930 | 320m         |
| 25G815        | 370m         |
| 25G825        | 370m         |
| 25G835        | 310m         |

### **BAHNSTEIGGLEISE**

25G720  
25G920

## ZUGSTRASSEN

Richtung Bobingen – Augsburg Hbf

| Zugstraße           | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung      |
|---------------------|--------------|-------|-------------|-------|--------------------|--------------------|----------------|
|                     | Signal       | Pfeil | Signal      | Pfeil |                    |                    |                |
| 25A740.25S720       | X            |       | X           |       | 25G715             | Hp1                |                |
| 25A740.25S920       | X            |       | X           |       | 25G918             | Hp2                |                |
| 25A740.<br>25L815X  | X            |       | X           |       | 25W814<br>R        | Hp2                |                |
| 25A740.<br>25L825X  | X            |       | X           |       | 25W824             | Hp2                |                |
| 25A740.<br>25L835X  | X            |       | X           |       | 25W834             | Hp2                |                |
| 25C940.25S720       | X            |       | X           |       | 25G715             | Sh1                | Zughilfsstraße |
| 25C940.25S920       | X            |       | X           |       | 25G918             | Sh1                | Zughilfsstraße |
| 25C940.<br>25L815X  | X            |       | X           |       | 25W814<br>R        | Sh1                | Zughilfsstraße |
| 25C940.<br>25L825X  | X            |       | X           |       | 25W824             | Sh1                | Zughilfsstraße |
| 25C940.<br>25L835X  | X            |       | X           |       | 25W834             | Sh1                | Zughilfsstraße |
| 25L320X.25S720      | X            |       | X           |       | 25G715             | Sh1                | 25C340: Hp1    |
| 25L320X.25S920      | X            |       | X           |       | 25G918             | Sh1                | 25C340: Hp1    |
| 25L320X.<br>25L815X | X            |       | X           |       | 25W814<br>R        | Sh1                | 25C340: Hp1    |
| 25L320X.<br>25L825X | X            |       | X           |       | 25W824             | Sh1                | 25C340: Hp1    |
| 25L320X.<br>25L835X | X            |       | X           |       | 25W834             | Sh1                | 25C340: Hp1    |
| 25L330X.25S720      | X            |       | X           |       | 25G715             | Sh1                | 25C340: Hp1    |
| 25L330X.25S920      | X            |       | X           |       | 25G918             | Sh1                | 25C340: Hp1    |
| 25L330X.<br>25L815X | X            |       | X           |       | 25W814<br>R        | Sh1                | 25C340: Hp1    |
| 25L330X.<br>25L825X | X            |       | X           |       | 25W824             | Sh1                | 25C340: Hp1    |
| 25L330X.<br>25L835X | X            |       | X           |       | 25W834             | Sh1                | 25C340: Hp1    |

| Zugstraße          | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 25S720.25R1        | X            |       | X           |       | 25W254             | Hp2+<br>'6'        |           |
| 25S720.25R1K       | X            |       | X           |       | 25W152             | Hp2                |           |
| 25S720.<br>25L001X | X            |       | X           |       | 25G001             | Hp2+<br>,6'+v2'    | Zs3: ,2'  |
| 25S720.25R2        | X            |       | X           |       | 25W256<br>R        | Hp2+<br>'6'        |           |
| 25S720.25R2K       | X            |       | X           |       | 25W254             | Hp2+<br>,6'        |           |
| 25S720.25R2N       | X            |       | X           |       | 25W252             | Hp2                |           |
| 25S720.25R3        | X            |       | X           |       | 25W352             | Hp2                |           |
| 25S720.25R4        | X            |       | X           |       | 25W454             | Hp2+<br>'6'        |           |
| 25S720.25R4K       | X            |       | X           |       | 25W452             | Hp2                |           |
| 25S720.<br>25G023X | X            |       |             | X     |                    | Hp2+<br>'3'        |           |
| 25S720.25R5        | X            |       | X           |       | 25G555             | Hp2+<br>'6'        |           |
| 25S720.25R6        | X            |       | X           |       | 25G651             | Hp2+<br>'6'        |           |
| 25S720.25R7        | X            |       | X           |       | 25W755             | Hp2+<br>'6'        |           |
| 25S720.25R7K       | X            |       | X           |       | 25W752             | Hp2                |           |
| 25S720.25R7N       | X            |       | X           |       | 25G014             | Hp2+<br>,6'+v3'    | Zs3: ,3'  |
| 25S720.<br>25L007X | X            |       | X           |       | 25G007             | Hp2+<br>,6'+v2'    | Zs3: ,2'  |
| 25S720.25R8        | X            |       | X           |       | 25W952             | Hp2+<br>'6'        |           |
| 25S720.25R8R       | X            |       | X           |       | 25W852<br>R        | Hp2                |           |
| 25S720.25R8N       | X            |       | X           |       | 25G018             | Hp2+<br>,6'+v3'    | Zs3: ,3'  |
| 25S720.<br>25L008X | X            |       | X           |       | 25G008             | Hp2+<br>,6'+v2'    | Zs3: ,2'  |
| 25S720.25R9        | X            |       | X           |       | 25W958             | Hp2+<br>'6'        |           |
| 25S720.25R9K       | X            |       | X           |       | 25W957             | Hp2                |           |

| Zugstraße          | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 25S720.25R9N       | X            |       | X           |       | 25G019             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25S720.<br>25L009X | X            |       | X           |       | 25G009             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25S720.25R10       | X            |       | X           |       | 25W161             | Hp2                |           |
| 25S720.25R11       | X            |       | X           |       | 25W161             | Hp2                |           |
| 25S720.25R12       | X            |       |             | X     | 25W160             | Hp2                |           |
| 25S720.AHAR3       | X            |       |             | X     |                    | Hp2                | FAP-FS    |
| 25S720.AHAR4       | X            |       |             | X     |                    | Hp2                | FAP-FS    |
| 25S920.25R1        | X            |       | X           |       | 25W254             | Hp2+<br>'6'        |           |
| 25S920.25R1K       | X            |       | X           |       | 25W152             | Hp2                |           |
| 25S920.<br>25L001X | X            |       | X           |       | 25G001             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25S920.25R2        | X            |       | X           |       | 25W256<br>R        | Hp2+<br>'6'        |           |
| 25S920.25R2K       | X            |       | X           |       | 25W254             | Hp2+<br>,6'        |           |
| 25S920.25R2N       | X            |       | X           |       | 25W252             | Hp2                |           |
| 25S920.25R3        | X            |       | X           |       | 25W352             | Hp2                |           |
| 25S920.25R4        | X            |       | X           |       | 25W454             | Hp2+<br>'6'        |           |
| 25S920.25R4K       | X            |       | X           |       | 25W452             | Hp2                |           |
| 25S920.<br>25G023X | X            |       |             | X     |                    | Hp2+<br>'3'        |           |
| 25S920.25R5        | X            |       | X           |       | 25G555             | Hp2+<br>'6'        |           |
| 25S920.25R6        | X            |       | X           |       | 25G651             | Hp2+<br>'6'        |           |
| 25S920.25R7        | X            |       | X           |       | 25W755             | Hp2+<br>'6'        |           |
| 25S920.25R7K       | X            |       | X           |       | 25W752             | Hp2                |           |
| 25S920.25R7N       | X            |       | X           |       | 25G014             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25S920.<br>25L007X | X            |       | X           |       | 25G007             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25S920.25R8        | X            |       | X           |       | 25W952             | Hp2+<br>'6'        |           |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 25S920.25R8R       | X            |       | X         |       | 25W852<br>R        | Hp2                |           |
| 25S920.25R8N       | X            |       | X         |       | 25G018             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25S920.<br>25L008X | X            |       | X         |       | 25G008             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25S920.25R9        | X            |       | X         |       | 25W958             | Hp2+<br>'6'        |           |
| 25S920.25R9K       | X            |       | X         |       | 25W957             | Hp2                |           |
| 25S920.25R9N       | X            |       | X         |       | 25G019             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25S920.<br>25L009X | X            |       | X         |       | 25G009             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25S920.25R10       | X            |       | X         |       | 25W161             | Hp2                |           |
| 25S920.25R11       | X            |       | X         |       | 25W161             | Hp2                |           |
| 25S920.25R12       | X            |       |           | X     | 25W160             | Hp2                |           |
| 25S920.AHAR3       | X            |       |           | X     |                    | Hp2                | FAP-FS    |
| 25S920.AHAR4       | X            |       |           | X     |                    | Hp2                | FAP-FS    |

Richtung Augsburg Hbf – Bobingen

| Zugstraße    | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|              | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 25P1.25W730  | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P2.25W730  | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P3.25W730  | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P4.25W730  | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P23.25W730 | X            |       | X         |       | 25G732             | Hp2+<br>,F4'       |           |
| 25P5.25W730  | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P6.25W730  | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P7.25W730  | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P8.25W730  | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P9.25W730  | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P10.25W730 | X            |       | X         |       | 25G732             | Hp2                |           |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung         |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-------------------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |                   |
| 25L110Y.<br>25W730 | X            |       | X         |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| 25L111Y.<br>25W730 | X            |       | X         |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| 25L112Y.<br>25W730 | X            |       | X         |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| ARAH3.25W730       |              | X     | X         |       | 25G732             |                    | FAP-FS            |
| ARAH4.25W730       |              | X     | X         |       | 25G732             |                    | FAP-FS            |
| 25P1.25W930        | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25P2.25W930        | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25P3.25W930        | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25P4.25W930        | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25P23.25W930       | X            |       | X         |       | 25G732             | Hp2+<br>,F4'       |                   |
| 25P5.25W930        | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25P6.25W930        | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25P7.25W930        | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25P8.25W930        | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25P9.25W930        | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25P10.25W930       | X            |       | X         |       | 25G732             | Hp2                |                   |
| 25L110Y.<br>25W930 | X            |       | X         |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| 25L111Y.<br>25W930 | X            |       | X         |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| 25L112Y.<br>25W930 | X            |       | X         |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| ARAH3.25W930       |              | X     | X         |       | 25G732             |                    | FAP-FS            |
| ARAH4.25W930       |              | X     | X         |       | 25G732             |                    | FAP-FS            |
| F,25W730.AUBO      | X            |       |           | X     |                    | Hp2                |                   |
| F,25W730.<br>AUBOG | X            |       |           | X     |                    | Hp0+<br>Zs8        | Zughilfsstraße    |
| 25W730.<br>25L320Y | X            |       | X         |       | 25G320             | Hp2+<br>,3'        |                   |
| 25W730.<br>25L330Y | X            |       | X         |       | 25G330             | Hp2+<br>,3'        |                   |
| F,25W930.AUBO      | X            |       |           | X     |                    | Hp1                |                   |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung      |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|----------------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |                |
| F,25W930.<br>AUBOG | X            |       |           | X     |                    | Hp0+<br>Zs8        | Zughilfsstraße |
| 25W930.<br>25L320Y | X            |       | X         |       | 25G320             | Hp2+<br>,3'        |                |
| 25W930.<br>25L330Y | X            |       | X         |       | 25G330             | Hp2+<br>,3'        |                |

## BESONDERE ANWEISUNGEN

- **Örtliche Anweisung**

Vorhanden unter Augsburg Hbf

- **Nebenbereiche**

- 25BW1Y: Zufahrt zum BW, Verbindung nach 25BW2Y, 25BW3Y, 25BW4Y
- 25BW2Y: Zufahrt zum BW, Verbindung nach 25BW1Y, 25BW3Y, 25BW4Y
- 25BW3Y: Zufahrt zum BW, Verbindung nach 25BW1Y, 25BW2Y, 25BW4Y
- 25BW4Y: Zufahrt zum BW, Verbindung nach 25BW1Y, 25BW2Y, 25BW3Y
- 25G1325Y: Abstellgleise, Verbindung nach 25G1335Y, 25G1317Y
- 25G1335Y: Abstellgleise, Verbindung nach 25G1235Y, 25G1317Y
- 25G1317Y: Abstellgleise, Verbindung nach 25G1235Y, 25G1335Y
- 25ALB: Anschluß Augsburger Lokalbahn
- 25AHAR1: Zufahrt zum Rbf
- 25AHAR2: Zufahrt zum Ablaufberg

### **3. BF AUGSBURG HBF (Kz.25)**

#### **AUFGABEN**

- Haltepunkt für Züge des Fern- und Regionalverkehrs
- Zugauflösung- und Zugbildungsbahnhof für Regionalzüge
- Abzweigbahnhof

#### **SELBSTSTELLBETRIEB**

|        |            |
|--------|------------|
| 25B220 | Zuglenkung |
| 25B420 | Zuglenkung |
| 25P1   | Zuglenkung |
| 25P1   | Zuglenkung |
| 25P3   | Zuglenkung |
| 25P4   | Zuglenkung |
| 25P5   | Zuglenkung |
| 25P6   | Zuglenkung |
| 25P7   | Zuglenkung |
| 25P8   | Zuglenkung |
| 25P9   | Zuglenkung |
| 25R1   | Zuglenkung |
| 25R1   | Zuglenkung |
| 25R3   | Zuglenkung |
| 25R4   | Zuglenkung |
| 25R5   | Zuglenkung |
| 25R6   | Zuglenkung |
| 25R7   | Zuglenkung |
| 25R8   | Zuglenkung |
| 25R9   | Zuglenkung |

|        |            |
|--------|------------|
| 25T470 | Zuglenkung |
| 25T670 | Zuglenkung |
| 25T970 | Zuglenkung |

## NUTZLÄNGEN

| <b>Gleis</b>  | <b>Länge</b> |
|---------------|--------------|
| 25G001        | 178m         |
| 25G011        | 209m         |
| 25G001+25G011 | 390m         |
| 25G002        | 466m         |
| 25G003        | 382m         |
| 25G004        | 438m         |
| 25G023        | 94m          |
| 25G005        | 447m         |
| 25G006        | 447m         |
| 25G007        | 242m         |
| 25G017        | 193m         |
| 25G007+25G017 | 450m         |
| 25G008        | 198m         |
| 25G018        | 170m         |
| 25G008+25G018 | 380m         |
| 25G055        | 76m          |
| 25G009        | 201m         |
| 25G019        | 195m         |
| 25G009+25G019 | 420m         |
| 25G110        | 516m         |
| 25G111        | 466m         |
| 25G112        | 482m         |

## BAHNSTEIGGLEISE

25G001+25G011

25G002

25G003

25G004

25G0023

25G005

25G006

25G007+25G017

25G008+25G018

25G009+25G019

25G055

## ZUGSTRASSEN

Richtung A-Hochzoll / A-Morellstr. – A-Oberhausen

| Zugstraße          | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 25B220.25R1        | X            |       | X           |       | 25W254             | Hp2+<br>'6'        |           |
| 25B220.25R1K       | X            |       | X           |       | 25W152             | Hp2                |           |
| 25B220.<br>25L001X | X            |       | X           |       | 25G001             | Hp2+<br>,6'+ 'v2'  | Zs3: ,2'  |
| 25B220.25R2        | X            |       | X           |       | 25W256<br>R        | Hp1+<br>'9'        |           |
| 25B220.25R2K       | X            |       | X           |       | 25W254             | Hp2+<br>,6'        |           |
| 25B220.25R2N       | X            |       | X           |       | 25W252             | Hp2                |           |
| 25B220.25R3        | X            |       | X           |       | 25W352             | Hp2                |           |
| 25B220.25R4        | X            |       | X           |       | 25W454             | Hp2+<br>'6'        |           |
| 25B220.25R4K       | X            |       | X           |       | 25W452             | Hp2                |           |
| 25B220.<br>25G023X | X            |       |             | X     |                    | Hp2+<br>'3'        |           |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 25B220.25R5        | X            |       | X         |       | 25G555             | Hp2+<br>'6'        |           |
| 25B220.25R6        | X            |       | X         |       | 25G651             | Hp2+<br>'6'        |           |
| 25B220.25R7        | X            |       | X         |       | 25W755             | Hp2+<br>'6'        |           |
| 25B220.25R7K       | X            |       | X         |       | 25W752             | Hp2                |           |
| 25B220.25R7N       | X            |       | X         |       | 25G014             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25B220.<br>25L007X | X            |       | X         |       | 25G007             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25B220.25R8        | X            |       | X         |       | 25W952             | Hp2+<br>'6'        |           |
| 25B220.25R8R       | X            |       | X         |       | 25W852<br>R        | Hp2                |           |
| 25B220.25R8N       | X            |       | X         |       | 25G018             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25B220.<br>25L008X | X            |       | X         |       | 25G008             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25B220.25R9        | X            |       | X         |       | 25W958             | Hp2+<br>'6'        |           |
| 25B220.25R9K       | X            |       | X         |       | 25W957             | Hp2                |           |
| 25B220.25R9N       | X            |       | X         |       | 25G019             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25B220.<br>25L009X | X            |       | X         |       | 25G009             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25B220.25R10       | X            |       | X         |       | 25W161             | Hp2                |           |
| 25B220.25R11       | X            |       | X         |       | 25W161             | Hp2                |           |
| 25B220.25R12       | X            |       |           | X     | 25W160             | Hp2                |           |
| 25B220.AHAR3       | X            |       |           | X     |                    | Hp2                | FAP-FS    |
| 25B220.AHAR4       | X            |       |           | X     |                    | Hp2                | FAP-FS    |
| 25B420.25R1        | X            |       | X         |       | 25W254             | Hp2+<br>'6'        |           |
| 25B420.25R1K       | X            |       | X         |       | 25W152             | Hp2                |           |
| 25B420.<br>25L001X | X            |       | X         |       | 25G001             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25B420.25R2        | X            |       | X         |       | 25W256<br>R        | Hp2+<br>'6'        |           |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 25B420.25R2K       | X            |       | X         |       | 25W254             | Hp2+<br>,6'        |           |
| 25B420.25R2N       | X            |       | X         |       | 25W252             | Hp2                |           |
| 25B420.25R3        | X            |       | X         |       | 25W352             | Hp2                |           |
| 25B420.25R4        | X            |       | X         |       | 25W454             | Hp2+<br>'6'        |           |
| 25B420.25R4K       | X            |       | X         |       | 25W452             | Hp2                |           |
| 25B420.<br>25G023X | X            |       |           | X     |                    | Hp2+<br>'3'        |           |
| 25B420.25R5        | X            |       | X         |       | 25G555             | Hp2+<br>'6'        |           |
| 25B420.25R6        | X            |       | X         |       | 25G651             | Hp2+<br>'6'        |           |
| 25B420.25R7        | X            |       | X         |       | 25W755             | Hp2+<br>'6'        |           |
| 25B420.25R7K       | X            |       | X         |       | 25W752             | Hp2                |           |
| 25B420.25R7N       | X            |       | X         |       | 25G014             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25B420.<br>25L007X | X            |       | X         |       | 25G007             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25B420.25R8        | X            |       | X         |       | 25W952             | Hp2+<br>'6'        |           |
| 25B420.25R8R       | X            |       | X         |       | 25W852<br>R        | Hp2                |           |
| 25B420.25R8N       | X            |       | X         |       | 25G018             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25B420.<br>25L008X | X            |       | X         |       | 25G008             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25B420.25R9        | X            |       | X         |       | 25W958             | Hp2+<br>'6'        |           |
| 25B420.25R9K       | X            |       | X         |       | 25W957             | Hp2                |           |
| 25B420.25R9N       | X            |       | X         |       | 25G019             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25B420.<br>25L009X | X            |       | X         |       | 25G009             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25B420.25R10       | X            |       | X         |       | 25W161             | Hp2                |           |
| 25B420.25R11       | X            |       | X         |       | 25W161             | Hp2                |           |
| 25B420.25R12       | X            |       |           | X     | 25W160             | Hp2                |           |

| Zugstraße    | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|              | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 25B420.AHAR3 | X            |       |             | X     |                    | Hp2                | FAP-FS    |
| 25B420.AHAR4 | X            |       |             | X     |                    | Hp2                | FAP-FS    |
| 25R1.25Q270  | X            |       | X           |       | 25G271             | Hp2                |           |
| 25R1.25Q570  | X            |       | X           |       | 25G572             | Hp2                |           |
| 25R1.25Q670  | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R1.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R1.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R2.25Q270  | X            |       | X           |       | 25G271             | Hp1                |           |
| 25R2.25Q570  | X            |       | X           |       | 25G572             | Hp2                |           |
| 25R2.25Q670  | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R2.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R2.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R3.25Q270  | X            |       | X           |       | 25G271             | Hp2                |           |
| 25R3.25Q570  | X            |       | X           |       | 25G572             | Hp2                |           |
| 25R3.25Q670  | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R3.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R3.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R4.25Q270  | X            |       | X           |       | 25G271             | Hp2                |           |
| 25R4.25Q570  | X            |       | X           |       | 25G572             | Hp1                |           |
| 25R4.25Q670  | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R4.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R4.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R5.25Q270  | X            |       | X           |       | 25G271             | Hp2                |           |
| 25R5.25Q570  | X            |       | X           |       | 25G572             | Hp2                |           |
| 25R5.25Q670  | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R5.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R5.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R6.25Q270  | X            |       | X           |       | 25G271             | Hp2                |           |
| 25R6.25Q570  | X            |       | X           |       | 25G572             | Hp2                |           |
| 25R6.25Q670  | X            |       | X           |       | 25W672             | Hp1                |           |
| 25R6.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R6.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R7.25Q270  | X            |       | X           |       | 25G271             | Hp2                |           |

| Zugstraße     | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|---------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|               | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 25R7.25Q570   | X            |       | X           |       | 25G572             | Hp2                |           |
| 25R7.25Q670   | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R7.25Q670K  | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R7.25Q970   | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R8.25Q270   | X            |       | X           |       | 25G271             | Hp2                |           |
| 25R8.25Q570   | X            |       | X           |       | 25G572             | Hp2                |           |
| 25R8.25Q670   | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R8.25Q670K  | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R8.25Q970   | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R8.25Q270   | X            |       | X           |       | 25G271             | Hp2                |           |
| 25R9.25Q670   | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R9.25Q670K  | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R9.25Q970   | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R55.25Q670  | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R55.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R55.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R10.25Q670  | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R10.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R10.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R11.25Q670  | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R11.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R11.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25R12.25Q670  | X            |       | X           |       | 25W672             | Hp2                |           |
| 25R12.25Q670K | X            |       | X           |       | 25G671             | Hp2                |           |
| 25R12.25Q970  | X            |       | X           |       | 25G970             | Hp2                |           |
| 25ARAH.25Q970 | X            |       | X           |       | 25G970             |                    | FAP-FS    |

Richtung A-Oberhausen – A-Hochzoll / A-Morellstr.

| Zugstraße          | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 25T270.25P1        | X            |       | X           |       | 25W204             | Hp2+<br>,6'        |           |
| 25T270.25P1K       | X            |       | X           |       | 25W102             | Hp2                |           |
| 25T270.<br>25L011Y | X            |       | X           |       | 25G011             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T270.25P2        | X            |       | X           |       | 25W208<br>L        | Hp1                |           |
| 25T270.25P2R       | X            |       | X           |       | 25W405             | Hp1                |           |
| 25T270.25P1K       | X            |       | X           |       | 25W204             | Hp2                |           |
| 25T270.25P3        | X            |       | X           |       | 25W402             | Hp2+<br>,6'        |           |
| 25T270.25P3L       | X            |       | X           |       | 25W202             | Hp2+<br>,6'        |           |
| 25T270.25P4        | X            |       | X           |       | 25W404             | Hp2+<br>,6'        |           |
| 25T270.25P4K       | X            |       | X           |       | 25W402             | Hp2+<br>,6'        |           |
| 25T270.25P5        | X            |       | X           |       | 25W502<br>R        | Hp2+<br>,6'        |           |
| 25T270.25P5L       | X            |       | X           |       | 25W502<br>L        | Hp2+<br>,6'        |           |
| 25T270.25P6        | X            |       | X           |       | 25W603             | Hp2+<br>,6'        |           |
| 25T270.25P6R       | X            |       | X           |       | 25W704             | Hp2+<br>,6'        |           |
| 25T270.25P7        | X            |       | X           |       | 25W702             | Hp2+<br>,6'        |           |
| 25T270.25P7K       | X            |       | X           |       | 25W701             | Hp2                |           |
| 25T270.25P7N       | X            |       | X           |       | 25G007             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25T270.25L017Y     | X            |       | X           |       | 25G017             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T270.25P8        | X            |       | X           |       | 25W903             | Hp2+<br>,6'        |           |
| 25T270.25P8L       | X            |       | X           |       | 25W701             | Hp2+<br>,6'        |           |
| 25T270.25P8N       | X            |       | X           |       | 25G008             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |

| Zugstraße          | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 25T270.25L018Y     | X            |       | X           |       | 25G018             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T470.25P1        | X            |       | X           |       | 25W204             | Hp2+<br>,6'        |           |
| 25T470.25P1K       | X            |       | X           |       | 25W102             | Hp2                |           |
| 25T470.<br>25L011Y | X            |       | X           |       | 25G011             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T470.25P2        | X            |       | X           |       | 25W208<br>L        | Hp2+<br>,6'        |           |
| 25T470.25P2R       | X            |       | X           |       | 25W405             | Hp2+<br>,6'        |           |
| 25T470.25P1K       | X            |       | X           |       | 25W204             | Hp2                |           |
| 25T470.25P3        | X            |       | X           |       | 25W402             | Hp2+<br>,6'        |           |
| 25T470.25P3L       | X            |       | X           |       | 25W202             | Hp2+<br>,6'        |           |
| 25T470.25P4        | X            |       | X           |       | 25W404             | Hp1+<br>,10'       |           |
| 25T470.25P4K       | X            |       | X           |       | 25W402             | Hp2+<br>,6'        |           |
| 25T470.25P5        | X            |       | X           |       | 25W502<br>R        | Hp2+<br>,6'        |           |
| 25T470.25P5L       | X            |       | X           |       | 25W502<br>L        | Hp2+<br>,6'        |           |
| 25T470.25P6        | X            |       | X           |       | 25W603             | Hp2+<br>,6'        |           |
| 25T470.25P6R       | X            |       | X           |       | 25W704             | Hp2+<br>,6'        |           |
| 25T470.25P7        | X            |       | X           |       | 25W702             | Hp2+<br>,6'        |           |
| 25T470.25P7K       | X            |       | X           |       | 25W701             | Hp2                |           |
| 25T470.25P7N       | X            |       | X           |       | 25G007             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25T470.25L017Y     | X            |       | X           |       | 25G017             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T470.25P8        | X            |       | X           |       | 25W903             | Hp2+<br>,6'        |           |
| 25T470.25P8L       | X            |       | X           |       | 25W701             | Hp2+<br>,6'        |           |

| Zugstraße          | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 25T470.25P8N       | X            |       | X           |       | 25G008             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25T470.25L018Y     | X            |       | X           |       | 25G018             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T670.25P1        | X            |       | X           |       | 25W204             | Hp2+<br>,6'        |           |
| 25T670.25P1K       | X            |       | X           |       | 25W102             | Hp2                |           |
| 25T670.<br>25L011Y | X            |       | X           |       | 25G011             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T670.25P2        | X            |       | X           |       | 25W208<br>L        | Hp2+<br>,6'        |           |
| 25T670.25P2R       | X            |       | X           |       | 25W405             | Hp2+<br>,6'        |           |
| 25T670.25P1K       | X            |       | X           |       | 25W204             | Hp2                |           |
| 25T670.25P3        | X            |       | X           |       | 25W402             | Hp2+<br>,6'        |           |
| 25T670.25P3L       | X            |       | X           |       | 25W202             | Hp2+<br>,6'        |           |
| 25T670.25P4        | X            |       | X           |       | 25W404             | Hp2+<br>,6'        |           |
| 25T670.25P4K       | X            |       | X           |       | 25W402             | Hp2+<br>,6'        |           |
| 25T670.25P5        | X            |       | X           |       | 25W502<br>R        | Hp2+<br>,6'        |           |
| 25T670.25P5L       | X            |       | X           |       | 25W502<br>L        | Hp2+<br>,6'        |           |
| 25T670.25P6        | X            |       | X           |       | 25W603             | Hp1                |           |
| 25T670.25P6R       | X            |       | X           |       | 25W704             | Hp2+<br>,6'        |           |
| 25T670.25P7        | X            |       | X           |       | 25W702             | Hp2+<br>,6'        |           |
| 25T670.25P7K       | X            |       | X           |       | 25W701             | Hp2                |           |
| 25T670.25P7N       | X            |       | X           |       | 25G007             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25T670.25L017Y     | X            |       | X           |       | 25G017             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T670.25P8        | X            |       | X           |       | 25W903             | Hp2+<br>,6'        |           |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 25T670.25P8L       | X            |       | X         |       | 25W701             | Hp2+<br>,6'        |           |
| 25T670.25P8N       | X            |       | X         |       | 25G008             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25T670.25L018Y     | X            |       | X         |       | 25G018             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T670.25P9        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 25T670.25P9K       | X            |       | X         |       | 25W902             | Hp2                |           |
| 25T670.25P9N       | X            |       | X         |       | 25G009             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25T670.25L019Y     | X            |       | X         |       | 25G019             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T670.<br>25G055Y | X            |       |           | X     | 25G055             | Hp2+<br>,3'        |           |
| 25T670.25L110Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 25T670.25L111Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 25T670.25L112Y     | X            |       | X         |       | 25W112             | Hp2                |           |
| 25T670.AHAR5       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 25T970.25P1        | X            |       | X         |       | 25W204             | Hp2+<br>,6'        |           |
| 25T970.25P1K       | X            |       | X         |       | 25W102             | Hp2                |           |
| 25T970.<br>25L011Y | X            |       | X         |       | 25G011             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T970.25P2        | X            |       | X         |       | 25W208<br>L        | Hp2+<br>,6'        |           |
| 25T970.25P2R       | X            |       | X         |       | 25W405             | Hp2+<br>,6'        |           |
| 25T970.25P1K       | X            |       | X         |       | 25W204             | Hp2                |           |
| 25T970.25P3        | X            |       | X         |       | 25W402             | Hp2+<br>,6'        |           |
| 25T970.25P3L       | X            |       | X         |       | 25W202             | Hp2+<br>,6'        |           |
| 25T970.25P4        | X            |       | X         |       | 25W404             | Hp2+<br>,6'        |           |
| 25T970.25P4K       | X            |       | X         |       | 25W402             | Hp2+<br>,6'        |           |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 25T970.25P5        | X            |       | X         |       | 25W502<br>R        | Hp2+<br>,6'        |           |
| 25T970.25P5L       | X            |       | X         |       | 25W502<br>L        | Hp2+<br>,6'        |           |
| 25T970.25P6        | X            |       | X         |       | 25W603             | Hp1                |           |
| 25T970.25P6R       | X            |       | X         |       | 25W704             | Hp2+<br>,6'        |           |
| 25T970.25P7        | X            |       | X         |       | 25W702             | Hp2+<br>,6'        |           |
| 25T970.25P7K       | X            |       | X         |       | 25W701             | Hp2                |           |
| 25T970.25P7N       | X            |       | X         |       | 25G007             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25T970.25L017Y     | X            |       | X         |       | 25G017             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T970.25P8        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 25T970.25P8L       | X            |       | X         |       | 25W701             | Hp2+<br>,6'        |           |
| 25T970.25P8N       | X            |       | X         |       | 25G008             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25T970.25L018Y     | X            |       | X         |       | 25G018             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T970.25P9        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 25T970.25P9K       | X            |       | X         |       | 25W902             | Hp2                |           |
| 25T970.25P9N       | X            |       | X         |       | 25G009             | Hp2+<br>,6' + 'v3' | Zs3: ,3'  |
| 25T970.<br>25G055Y | X            |       |           | X     | 25G055             | Hp2+<br>,3'        |           |
| 25T970.25L019Y     | X            |       | X         |       | 25G019             | Hp2+<br>,6' + 'v2' | Zs3: ,2'  |
| 25T970.25L110Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 25T970.25L111Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 25T970.25L112Y     | X            |       | X         |       | 25W112             | Hp2                |           |
| 25T970.AHAR5       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 25P1.AUHO          | X            |       | X         |       | 25G732             | Hp2                |           |
| 25P2.AUHO          | X            |       | X         |       | 25G732             | Hp1                |           |
| 25P3.AUHO          | X            |       | X         |       | 25G732             | Hp2                |           |

| Zugstraße         | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung         |
|-------------------|--------------|-------|-------------|-------|--------------------|--------------------|-------------------|
|                   | Signal       | Pfeil | Signal      | Pfeil |                    |                    |                   |
| 25P4.AUHO         | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P23.AUHO        | X            |       | X           |       | 25G732             | Hp2+<br>,F4'       |                   |
| 25P5.AUHO         | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P6.AUHO         | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P7.AUHO         | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P8.AUHO         | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P9.AUHO         | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P10.AUHO        | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25L110Y.<br>AUHO  | X            |       | X           |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| 25L111Y.<br>AUHO  | X            |       | X           |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| 25L112Y.<br>AUHO  | X            |       | X           |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| ARAH3.AUHO        |              | X     | X           |       | 25G732             |                    | FAP-FS            |
| ARAH4.AUHO        |              | X     | X           |       | 25G732             |                    | FAP-FS            |
| 25P1.AUHOG        | X            |       | X           |       | 25G732             | Hp1                |                   |
| 25P2.AUHOG        | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P3.AUHOG        | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P4.AUHOG        | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P23.AUHOG       | X            |       | X           |       | 25G732             | Hp2+<br>,F4'       |                   |
| 25P5.AUHOG        | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P6.AUHOG        | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P7.AUHOG        | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P8.AUHOG        | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P9.AUHOG        | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25P10.AUHOG       | X            |       | X           |       | 25G732             | Hp2                |                   |
| 25L110Y.<br>AUHOG | X            |       | X           |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| 25L111Y.<br>AUHOG | X            |       | X           |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| 25L112Y.<br>AUHOG | X            |       | X           |       | 25G732             | Sh1                | 25R1012: Hp2+'F4' |
| ARAH3.AUHOG       |              | X     | X           |       | 25G732             |                    | FAP-FS            |
| ARAH4.AUHOG       |              | X     | X           |       | 25G732             |                    | FAP-FS            |

## BESONDERE ANWEISUNGEN

- **Örtliche Anweisung**

vorhanden

- **Nebenbereiche**

- 25NALB: Anschluß Augsburgener Lokalbahn
- 25W695: Abstellgleis
- 25G020X: Abstellgleise
- 25W800: Abstellgleis

- **Rz-Maßnahmen**

An den Weichen 25W266 rechts, 25W244 links und 25W243CD links sind unmittelbar nach den Ra12 (Grenzzeichen) die Gleise entfernt. Die Weichen sind mit „WUS“ gegen Umstellen zu sperren.

## **4. BFT AUGSBURG-OBERHAUSEN (Kz.26)**

### **AUFGABEN**

- Haltepunkt für Züge des Regionalverkehrs
- Überholungsbahnhof

### **SELBSTSTELLBETRIEB**

|        |            |
|--------|------------|
| 25Q270 | Zuglenkung |
| 25Q570 | Zuglenkung |
| 25Q970 | Zuglenkung |
| 26V472 | Zuglenkung |
| 26V677 | Zuglenkung |
| 26V977 | Zuglenkung |
| 26U273 | Zuglenkung |
| 26U877 | Zuglenkung |
| 26N275 | Zuglenkung |
| 26N577 | Zuglenkung |
| 26N885 | Zuglenkung |
| 26Z475 | Zuglenkung |
| 26Z985 | Zuglenkung |
| 26F480 | Zuglenkung |
| 26G680 | Zuglenkung |

## NUTZLÄNGEN

| <b>Gleis</b> | <b>Länge</b> |
|--------------|--------------|
| 26G273       | 700m         |
| 26G472       | 967m         |
| 26G577       | 596m         |
| 26G597       | 631m         |
| 26G677       | 542m         |
| 26G877       | 508m         |
| 26G977       | 962m         |

## BAHNSTEIGGLEISE

26G273  
26G472  
26G577  
26G597  
26G677  
26G877  
26G977

## ZUGSTRASSEN

Richtung Augsburg Hbf – Westhausen / Gersthofen

| Zugstraße          | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 25Q270.26U273      | X            |       | X           |       | 26G274             | Hp1                |           |
| 25Q270.26N475      | X            |       | X           |       | 26G476             | Hp2                |           |
| 25Q570.26N577      | X            |       | X           |       | 26W578             | Hp1                |           |
| 25Q570.26N597      | X            |       | X           |       | 26W578             | Hp2+<br>,6'        |           |
| 25Q570.<br>26N597L | X            |       | X           |       | 26W678             | Hp2+<br>,6'        |           |
| 25Q570.<br>26N597K | X            |       | X           |       | 26W598<br>R        | Hp2                |           |
| 25Q670.26N577      | X            |       | X           |       | 26W578             | Hp2+<br>,6'        |           |
| 25Q670.26N597      | X            |       | X           |       | 26W578             | Hp2+<br>,6'        |           |
| 25Q670.<br>26N597L | X            |       | X           |       | 26W678             | Hp2+<br>,6'        |           |
| 25Q670.<br>26N597K | X            |       | X           |       | 26W598<br>R        | Hp2                |           |
| 25Q970.26N577      | X            |       | X           |       | 26W578             | Hp2+<br>,6'        |           |
| 25Q970.26N597      | X            |       | X           |       | 26W578             | Hp2+<br>,6'        |           |
| 25Q970.<br>26N597L | X            |       | X           |       | 26W678             | Hp2+<br>,6'        |           |
| 25Q970.<br>26N597K | X            |       | X           |       | 26W598<br>R        | Hp2                |           |
| 25Q970.26U877      | X            |       | X           |       | 26G878             | Hp1                |           |
| 25Q970.26N985      | X            |       | X           |       | 26G986             | Hp2+<br>,6'        |           |
| ARAH6.26N577       | X            |       | X           |       | 26W578             |                    | FAP-FS    |
| ARAH6.26N597       | X            |       | X           |       | 26W578             |                    | FAP-FS    |
| ARAH6.26N597L      | X            |       | X           |       | 26W678             |                    | FAP-FS    |
| ARAH6.26N597K      | X            |       | X           |       | 26W598<br>R        |                    | FAP-FS    |

| Zugstraße        | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                  | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| ARAH6.26U877     | X            |       | X         |       | 26G878             |                    | FAP-FS    |
| ARAH6.26N985     | X            |       | X         |       | 26G986             |                    | FAP-FS    |
| ARAH7.26N577     | X            |       | X         |       | 26W578             |                    | FAP-FS    |
| ARAH7.26N597     | X            |       | X         |       | 26W578             |                    | FAP-FS    |
| ARAH7.26N597L    | X            |       | X         |       | 26W678             |                    | FAP-FS    |
| ARAH7.26N597K    | X            |       | X         |       | 26W598<br>R        |                    | FAP-FS    |
| ARAH7.26U877     | X            |       | X         |       | 26G878             |                    | FAP-FS    |
| ARAH7.26N985     | X            |       | X         |       | 26G986             |                    | FAP-FS    |
| ARAH8.26N577     | X            |       | X         |       | 26W578             |                    | FAP-FS    |
| ARAH8.26N597     | X            |       | X         |       | 26W578             |                    | FAP-FS    |
| ARAH8.26N597L    | X            |       | X         |       | 26W678             |                    | FAP-FS    |
| ARAH8.26N597K    | X            |       | X         |       | 26W598<br>R        |                    | FAP-FS    |
| ARAH8.26U877     | X            |       | X         |       | 26G878             |                    | FAP-FS    |
| ARAH8.26N985     | X            |       | X         |       | 26G986             |                    | FAP-FS    |
| 26U273.26N275    | X            |       | X         |       | 26G276             | Hp1                |           |
| 26U877.26N885    | X            |       | X         |       | 26G886             | Hp1                |           |
| 26N577.AUGE      | X            |       |           | X     |                    | Hp1                |           |
| 26N597.AUGE      | X            |       |           | X     |                    | Hp2                |           |
| 26N597.AUGE G    | X            |       |           | X     |                    | Hp2                |           |
| 26N275.AUWE      | X            |       |           | X     |                    | Hp1                |           |
| 26N475.AUWEG     | X            |       |           | X     |                    | Hp1                |           |
| 26N885.AUWE      | X            |       |           | X     |                    | Hp1 +<br>,8'       |           |
| 26N985.<br>AUWEG | X            |       |           | X     |                    | Hp1 +<br>,8'       |           |

Richtung Westhausen / Gersthofen – Augsburg Hbf

| Zugstraße          | Startelement |       | Zielelement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-------------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal      | Pfeil |                    |                    |           |
| 26F280.25T270      | X            |       | X           |       | 25W261<br>R        | Hp1                |           |
| 26F280.26V877      | X            |       | X           |       | 26W974             | Hp1 +<br>,8'       |           |
| 26F280.26V877K     | X            |       | X           |       | 26G876             | Hp2 +<br>,96'      |           |
| 26F480.26Z475      | X            |       | X           |       | 26G473             | Hp1                |           |
| 26F480.26Z985      | X            |       | X           |       | 26G473             | Hp1 +<br>,8'       |           |
| 26J580.26V597      | X            |       | X           |       | 26W673             | Hp2 +<br>,6'       |           |
| 26J580.26V597L     | X            |       | X           |       | 26W595<br>AB L     | Hp2 +<br>,6'       |           |
| 26G580.26V677      | X            |       | X           |       | 26G676             | Hp1                | At: Ke    |
| 26G580.26V597      | X            |       | X           |       | 26W673             | Hp2 +<br>,6'       |           |
| 26G580.26V597<br>L | X            |       | X           |       | 26W595<br>AB L     | Hp2 +<br>,6'       |           |
| 26V472.26T270      | X            |       | X           |       | 25W261<br>R        | Hp2                |           |
| 26V472.26T470      | X            |       | X           |       | 25G462             | Hp1                |           |
| 26V597.25P1        | X            |       | X           |       | 25W204             | Hp2 +<br>,6'       |           |
| 26V597.25P1K       | X            |       | X           |       | 25W102             | Hp2                |           |
| 26V597.<br>25L011Y | X            |       | X           |       | 25G011             | Hp2 +<br>,6'       | Zs3: ,2'  |
| 26V597.25P2        | X            |       | X           |       | 25W208<br>L        | Hp2 +<br>,6'       |           |
| 26V597.25P2R       | X            |       | X           |       | 25W405             | Hp2 +<br>,6'       |           |
| 26V597.25P1K       | X            |       | X           |       | 25W204             | Hp2                |           |
| 26V597.25P3        | X            |       | X           |       | 25W402             | Hp2 +<br>,6'       |           |
| 26V597.25P3L       | X            |       | X           |       | 25W202             | Hp2 +<br>,6'       |           |
| 26V597.25P4        | X            |       | X           |       | 25W404             | Hp2 +<br>,6'       |           |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 26V597.25P4K       | X            |       | X         |       | 25W402             | Hp2+<br>,6'        |           |
| 26V597.25P5        | X            |       | X         |       | 25W502<br>R        | Hp2+<br>,6'        |           |
| 26V597.25P5L       | X            |       | X         |       | 25W502<br>L        | Hp2+<br>,6'        |           |
| 26V597.25P6        | X            |       | X         |       | 25W603             | Hp1                |           |
| 26V597.25P6R       | X            |       | X         |       | 25W704             | Hp2+<br>,6'        |           |
| 26V597.25P7        | X            |       | X         |       | 25W702             | Hp2+<br>,6'        |           |
| 26V597.25P7K       | X            |       | X         |       | 25W701             | Hp2                |           |
| 26V597.25P7N       | X            |       | X         |       | 25G007             | Hp2+<br>,6'        | Zs3: ,3'  |
| 26V597.25L017Y     | X            |       | X         |       | 25G017             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V597.25P8        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 26V597.25P8L       | X            |       | X         |       | 25W701             | Hp2+<br>,6'        |           |
| 26V597.25P8N       | X            |       | X         |       | 25G008             | Hp2+<br>,6'        | Zs3: ,3'  |
| 26V597.25L018Y     | X            |       | X         |       | 25G018             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V597.25T670      | X            |       | X         |       | 25G660             | Hp2+<br>,6'        |           |
| 26V597.<br>25T670K | X            |       | X         |       | 25G661             | Hp2+<br>,6'        |           |
| 26V597.25T970      | X            |       | X         |       | 25G968             | Hp2+<br>,6'        |           |
| 26V597.<br>25T970K | X            |       | X         |       | 25G969             | Hp2+<br>,6'        |           |
| 26V597.25P8        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 26V597.25P8L       | X            |       | X         |       | 25W701             | Hp2+<br>,6'        |           |
| 26V597.25P8N       | X            |       | X         |       | 25G008             | Hp2+<br>,6'        | Zs3: ,3'  |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 26V597.25L018Y     | X            |       | X         |       | 25G018             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V597.25P9        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 26V597.25P9K       | X            |       | X         |       | 25W902             | Hp2                |           |
| 26V597.25P9N       | X            |       | X         |       | 25G009             | Hp2+<br>,6'        | Zs3: ,3'  |
| 26V597.<br>25G055Y | X            |       |           | X     | 25G055             | Hp2+<br>,3'        |           |
| 26V597.25L019Y     | X            |       | X         |       | 25G019             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V597.25L110Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 26V597.25L111Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 26V597.25L112Y     | X            |       | X         |       | 25W112             | Hp2                |           |
| 26V597.AHAR5       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V597.AHAR6       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V597.AHAR7       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V597.AHAR8       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V677.25T670      | X            |       | X         |       | 25G660             | Hp1                |           |
| 26V677.<br>25T670K | X            |       | X         |       | 25G661             | Hp2+<br>,6'        |           |
| 26V677.25T970      | X            |       | X         |       | 25G968             | Hp2+<br>,6'        |           |
| 26V677.<br>25T970K | X            |       | X         |       | 25G969             | Hp2+<br>,6'        |           |
| 26V677.25P8        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 26V677.25P8L       | X            |       | X         |       | 25W701             | Hp2+<br>,6'        |           |
| 26V677.25P8N       | X            |       | X         |       | 25G008             | Hp2+<br>,6'        | Zs3: ,3'  |
| 26V677.25L018Y     | X            |       | X         |       | 25G018             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V677.25P9        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 26V677.25P9K       | X            |       | X         |       | 25W902             | Hp2                |           |
| 26V677.25P9N       | X            |       | X         |       | 25G009             | Hp2+<br>,6'        | Zs3: ,3'  |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 26V677.<br>25G055Y | X            |       |           | X     | 25G055             | Hp2+<br>,3'        |           |
| 26V677.25L019Y     | X            |       | X         |       | 25G019             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V677.25L110Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 26V677.25L111Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 26V677.25L112Y     | X            |       | X         |       | 25W112             | Hp2                |           |
| 26V677.AHAR5       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V677.AHAR6       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V677.AHAR7       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V677.AHAR8       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V877.25T970      | X            |       | X         |       | 25G968             | Hp1                |           |
| 26V877.<br>25T970K | X            |       | X         |       | 25G969             | Hp2+<br>,6'        |           |
| 26V877.25P8        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 26V877.25P8L       | X            |       | X         |       | 25W701             | Hp2+<br>,6'        |           |
| 26V877.25P8N       | X            |       | X         |       | 25G008             | Hp2+<br>,6'        | Zs3: ,3'  |
| 26V877.25L018Y     | X            |       | X         |       | 25G018             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V877.25P9        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 26V877.25P9K       | X            |       | X         |       | 25W902             | Hp2                |           |
| 26V877.25P9N       | X            |       | X         |       | 25G009             | Hp2+<br>,6'        | Zs3: ,3'  |
| 26V877.<br>25G055Y | X            |       |           | X     | 25G055             | Hp2+<br>,3'        |           |
| 26V877.25L019Y     | X            |       | X         |       | 25G019             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V877.25L110Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 26V877.25L111Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 26V877.25L112Y     | X            |       | X         |       | 25W112             | Hp2                |           |
| 26V877.AHAR5       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V877.AHAR6       | X            |       | X         |       |                    | Hp2                | FAP-FS    |

| Zugstraße          | Startelement |       | Zielement |       | D-<br>Weg-<br>Ende | Signal-<br>begriff | Bemerkung |
|--------------------|--------------|-------|-----------|-------|--------------------|--------------------|-----------|
|                    | Signal       | Pfeil | Signal    | Pfeil |                    |                    |           |
| 26V877.AHAR7       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V877.AHAR8       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V977.25T970      | X            |       | X         |       | 25G968             | Hp1                |           |
| 26V977.<br>25T970K | X            |       | X         |       | 25G969             | Hp2+<br>,6'        |           |
| 26V977.25P8        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 26V977.25P8L       | X            |       | X         |       | 25W701             | Hp2+<br>,6'        |           |
| 26V977.25P8N       | X            |       | X         |       | 25G008             | Hp2+<br>,6'        | Zs3: ,3'  |
| 26V977.25L018Y     | X            |       | X         |       | 25G018             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V977.25P9        | X            |       | X         |       | 25W903             | Hp2+<br>,6'        |           |
| 26V977.25P9K       | X            |       | X         |       | 25W902             | Hp2                |           |
| 26V977.25P9N       | X            |       | X         |       | 25G009             | Hp2+<br>,6'        | Zs3: ,3'  |
| 26V977.<br>25G055Y | X            |       |           | X     | 25G055             | Hp2+<br>,3'        |           |
| 26V977.25L019Y     | X            |       | X         |       | 25G019             | Hp2+<br>,6'        | Zs3: ,2'  |
| 26V977.25L110Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 26V977.25L111Y     | X            |       | X         |       | 25W113             | Hp2                |           |
| 26V977.25L112Y     | X            |       | X         |       | 25W112             | Hp2                |           |
| 26V977.AHAR5       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V977.AHAR6       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V977.AHAR7       | X            |       | X         |       |                    | Hp2                | FAP-FS    |
| 26V977.AHAR8       | X            |       | X         |       |                    | Hp2                | FAP-FS    |

## BESONDERE ANWEISUNGEN

- **Örtliche Anweisung**

Nicht vorhanden

- **Nebenbereiche**

- 26G081X: Containerbahnhof
- 26W54: Anschluß Unterwerk

## 5. SZENARIOS

Ergänzend zum definierten Startbeginn der Simulation um 5.10 Uhr morgens können über das Menü „Estwsim -> Datei -> Szenario laden“ neue Startzustände mit unterschiedlichen Schwierigkeitsgraden geladen werden. Folgende Aufgaben haben diese zum Inhalt:

1. 6Uhr.sce

Programmstart um 6 Uhr

2. 7Uhr.sce

Programmstart um 7 Uhr

3. 8Uhr.sce

Programmstart um 8 Uhr

4. 9Uhr.sce

Programmstart um 9 Uhr

5. 10Uhr.sce

Programmstart um 10 Uhr

6. 11Uhr.sce

Programmstart um 11 Uhr

7. 12Uhr.sce  
Programmstart um 12 Uhr
8. 13Uhr.sce  
Programmstart um 13 Uhr
9. 14Uhr.sce  
Programmstart um 14 Uhr
10. 15Uhr.sce  
Programmstart um 15 Uhr
11. 16Uhr.sce  
Programmstart um 16 Uhr
12. 17Uhr.sce  
Programmstart um 17 Uhr
13. 18Uhr.sce  
Programmstart um 18 Uhr
14. 19Uhr.sce  
Programmstart um 19 Uhr
15. 20Uhr.sce  
Programmstart um 20 Uhr
16. 21Uhr.sce  
Programmstart um 21 Uhr
17. 22Uhr.sce  
Programmstart um 22 Uhr