Susquehanna River Rail Bridge Project

Appendix B

Engineering Alignments

March 2017
MATCH LINE – SEE SHEET 2

ROW LINE
PROPERTY LINE
EXISTING TRACK
FENCE
EDGE ROAD
STRUCTURE
WATERWAY

PROPERTY NUMBER (SEE TABLE)

REQUIRED ROW (CONCEPT DESIGN LEVEL)

IMPACTED EASEMENT (EXISTING AMTRAK PROPERTY)

PROPOSED RETAINING WALL AND BRIDGE LIMITS

OPTION 9B RIGHT-OF-WAY
HAVRE DE GRACE
SHEET 3 OF 3
SUSQUEHANNA RIVER RAIL BRIDGE PROJECT
PERRYVILLE/HAVRE DE GRACE, MARYLAND
LIMIT OF DISTURBANCE
JUNE 08, 2016
Source: National Railroad Passenger Corporation

30th Street Station, Philadelphia, Pennsylvania 19104

Date: 6/8/2016

Office of Engineering Design

HNTB Corporation

PERRYVILLE/HAVRE DE GRACE, MARYLAND

215-568-6500
Philadelphia, PA 19103
1650 Arch Street, Suite 1700

PRELIMINARY ENGINEERING

SUSQUEHANNA RIVER RAIL BRIDGE PROJECT

LIMIT OF DISTURBANCE

NOTE:
1. WORK SHOWN ON SHEETS L-100 TO L-129, L-131 TO L-154, L-160 TO L-198, L-201 TO L-227, L-232 TO L-259, L-261 TO L-286, L-291 TO L-317

LEGEND

EXISTING TRACK
PROPOSED TRACK
LIMIT OF DISTURBANCE
PROPOSED RETAINING WALL
NOTE:
1. WORK SHOWN ON SHEETS L-101 TO L-105 AND 9A TO L-113 TO L-131 IS IDENTICAL FOR ALTERNATIVES 9A TO L-105 AND L-113 TO L-131 WORK SHOWN ON SHEETS L-101 TO L-105 AND 9A TO L-113 TO L-131.

LEGEND

- Existing Track
- Proposed Track
- Limit of Disturbance
- Proposed Retaining Wall

0.5' = 1'-0"

PLAN

L-103
NOTE:

- BLACK SHOWS OR SHEETS L-105 TO L-106 FOR ALTERNATIVES 9A AND 9B.
- IS IDENTICAL FOR ALTERNATIVES 9A AND 9B.

LEGEND:

- EXISTING TRACK
- PROPOSED TRACK
- LIMIT OF DISTURBANCE
- PROPOSED RETAINING WALL

SCALE IN FEET

IN PROGRESS

AMTRAK

HNTB

Office of Engineering
Engineering Design
National Railroad Passenger Corporation
30th Street Station, Philadelphia, Pennsylvania 19104
NOTE:
1. WORK DRAWN FOR ALTERNATIVE 9B.
   FOR 9A SEE L-106A TO L-112A.

LEGEND

LIMIT OF DISTURBANCE
PROPOSED RETAINING WALL

IN PROGRESS
NOTE:
1. WORK SHOWN FOR ALTERNATIVE 9B.
FOR ALTERNATIVE SEE THE 9A TO 9D.
NOTE:
1. WORK DESIGNED FOR ALTERNATIVE 9A.
   FOR ALTERNATIVE 9B SEE L-106A TO L-112A.

LEGEND

- Existing Track
- Proposed Track
- 200' Limit of Disturbance
- Proposed Retaining Wall

IN PROGRESS

PLAN (9 OF 31)
NOTE:
1. WORK DRAWN FOR ALTERNATIVE 9A.
   FOR ALTERNATIVE 9B, SEE L-106A TO L-112A.

LEGEND

EXISTING TRACK
PROPOSED TRACK
PROPOSED RETAINING WALL
LIMIT OF DISTURBANCE

IN PROGRESS
NOTE:
1. WORK DRAWN FOR ALTERNATIVE 9B
   FOR SEE L-106A TO L-112A

LEGEND

- = EXISTING TRACK
- = PROPOSED TRACK
- = LIMIT OF DISTURBANCE
- = PROPOSED RETAINING WALL

SCALE IN FEET
0 15 30 45 60
HORZ

LIMIT OF DISTURBANCE
EXISTING TRACK
PROPOSED TRACK
LIMIT OF DISTURBANCE
PROPOSED RETAINING WALL

IN PROGRESS

PLAN (12 OF 31)

6/8/2016

SCALE IN FEET
0 15 30 45 60
HORZ

LIMIT OF DISTURBANCE
EXISTING TRACK
PROPOSED TRACK
LIMIT OF DISTURBANCE
PROPOSED RETAINING WALL

IN PROGRESS

PLAN (12 OF 31)

6/8/2016
NOTE:
1. WORK SHOWN ON SHEETS L-101 TO L-131 IS IDENTICAL FOR ALTERNATIVES 9A TO L-105 AND L-113 TO L-131 WORK SHOWN ON SHEETS L-101.

LEGEND
- PROPOSED TRACK
- PROPOSED RETAINING WALL
- LIMIT OF DISTURBANCE
- EXISTING TRACK

SCALE IN FEET
0
30
60
15
30
HORZ

MATCH LINE - SEE DWG L-121
MATCH LINE - SEE DWG L-123

IN PROGRESS
NOTE:
1. WORK DRAWN FOR ALTERNATIVE 9A.
   FOR 9B SEE L-106 TO L-112.

LEGEND

- - - - -

EXISTING TRACK

- - - - -

PROPOSED TRACK

- - - - -

LIMIT OF DISTURBANCE

- - - - -

PROPOSED RETAINING WALL
NOTE:
1. WORK DESIGN FOR ALTERNATIVE 9A.
   FOR 9B SEE L-106 TO L-112.

LEGEND

EXISTING TRACK
PROPOSED TRACK
LIMIT OF DISTURBANCE
PROPOSED RETAINING WALL

PLAN

SCALE IN FEET

IN PROGRESS

T-A PLAN 17 OF 31
NOTE:
1. WORK DRAWN FOR ALTERNATIVE 9A.
   FOR 9B SEE L-106 TO L-112.

LEGEND

- EXISTING TRACK
- PROPOSED TRACK
- LIMIT OF DISTURBANCE
- PROPOSED RETAINING WALL

PLAN

Scale in feet:

IN PROGRESS
NOTE:

1. WORK DESIGN FOR ALTERNATIVE 9A,
   FOR 9B SEE L-105 TO L-112.

LEGEND

- - EXISTING TRACK
= = PROPOSED TRACK
- - - LIMIT OF DISTURBANCE
- - PROPOSED RETAINING WALL

SCALE IN FEET

IN PROGRESS
NOTE:

1. WORK DESIGNED FOR AMTRAK RIG. 9A.
   FOR 9B SEE L-106 TO L-112.

LEGEND

-——-L-——- PROPOSED TRACK
-——-L-——- LIMIT OF DISTURBANCE
-——-L-——- PROPOSED RETAINING WALL
NOTE:
1. WORK SHEET FOR ALTERNATIVE 9A.
   FOR 9B SEE L-106 TO L-112.

LEGEND

EXISTING TRACK
PROPOSED TRACK
LIMIT OF DISTURBANCE
PROPOSED RETAINING WALL
WEST BRIDGE - APPROACH TYPICAL CROSS SECTION

EAST BRIDGE - APPROACH TYPICAL CROSS SECTION

NOTES:
1. Minimum railway bridge clearances without curve corrections.

OPTION 9A/9B
WEST BRIDGE - ARCH TYPICAL CROSS SECTION
3/16" = 1'-0"

EAST BRIDGE - APPROACH TYPICAL CROSS SECTION
3/16" = 1'-0"

NOTES:
1. Minimum bridge clearances without curve corrections.