NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT

DOUBLE TRACK NWI (NORTHWEST INDIANA)
MILEPOST 32.2 TO MILEPOST 58.8
MICHIGAN CITY TO GARY, INDIANA

TRACK DESIGN PLANS

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BEGIN PROJECT

LAKE MICHIGAN

END PROJECT

MICHIGAN CITY TO GARY, INDIANA
TYPICAL SECTION
EMBANKMENT NEAR CSX, HOBART ROAD, NS, AND ARCELOR MITTAL BRIDGES

TYPICAL SECTION
BALLY AREA

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

HDR Engineering, Inc.
Chicago, IL 60631
8550 W Bryn Mawr Ave., Suite 900

MICHIGAN CITY TO GARY, INDIANA

DOUBLE TRACK-NWI
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8

BEARING 9'-0" MIN
9'-0" MIN
BEARING 9'-0"

BEARING 9'-0" MIN
9'-0" MIN
BEARING 9'-0"

BEARING 9'-0" MIN
9'-0" MIN
BEARING 9'-0"

BEARING 9'-0" MIN
9'-0" MIN
BEARING 9'-0"

BEARING 9'-0" MIN
9'-0" MIN
BEARING 9'-0"

BEARING 9'-0" MIN
9'-0" MIN
BEARING 9'-0"

BEARING 9'-0" MIN
9'-0" MIN
BEARING 9'-0"
11TH STREET DOUBLE TRACK - WITH PARKING

11TH STREET STATION WITH TWO PLATFORMS
Double Track - NWI
NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

MP 57.7 TO 57.9
MICHIGAN CITY TO GARY, INDIANA

PLAN AND PROFILE
STA 3042+00 TO 3056+00

NOT FOR CONSTRUCTION

NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
MICHIGAN CITY TO GARY, INDIANA

PROPOSED MAIN 1 PROFILE
TO MILLER STATION
TO SOUTH BEND AIRPORT

FILENAME
NICTD-R-ML01-PP-0

PLANS FOR DETAILS.
OVER CSX, SEE BRIDGE CONSTRUCT BRIDGE

DOUBLE TRACK-NWI

PLAN AND PROFILE
STA 2888+00 TO 2902+00
MP 54.7 TP 55.0

MICHIGAN CITY TO GARY, INDIANA

NOT FOR CONSTRUCTION
PLAN AND PROFILE
STA 2860+00 TO 2874+00
MP 54.2 TO 54.5
MICHIGAN CITY TO GARY, INDIANA

**Profile Data**

### Profile Data

- **Distance:** 2860+00 to 2874+00
- **Profile:** Prop Main 1
- **Elevation:**
  - El 609.82
  - El 610.55
  - El 610.67
  - El 610.72
  - El 611.15
  - El 611.63

- **Tangents:**
  - PR M 1 To R 609.72
  - PR M 1 To R 609.94
  - PR M 1 To R 610.18
  - PR M 1 To R 610.43
  - PR M 1 To R 610.66
  - PR M 1 To R 610.77
  - PR M 1 To R 610.86
  - PR M 1 To R 610.96
  - PR M 1 To R 611.06
  - PR M 1 To R 611.15
  - PR M 1 To R 611.34
  - PR M 1 To R 611.71
  - PR M 1 To R 612.27
  - PR M 1 To R 613.00

- **Curves:**
  - C-M 1-5 4.4

### Additional Data

- **Existing Ground:**
  - Ex M 2 Tor 612.08
  - Ex M 2 Tor 611.77
  - Ex M 2 Tor 611.58
  - Ex M 2 Tor 611.39
  - Ex M 2 Tor 611.27
  - Ex M 2 Tor 611.18
  - Ex M 2 Tor 611.06
  - Ex M 2 Tor 610.90
  - Ex M 2 Tor 610.67
  - Ex M 2 Tor 610.43
  - Ex M 2 Tor 610.13
  - Ex M 2 Tor 609.89

### Geometric Data

- **Elevation Change:** 0.24%

**Notes:**

- **Water Main:**
  - Water Main Relocated
- **OVH Fiber:**
  - OVH Fiber Relocated
- **NIPSCO OVH Elec:**
  - NIPSCO OVH Elec Relocated
- **Extension:**
  - Ext 4" Steel Gas Main
- **Relocated:**
  - Relocated Aspico Man Elec

**Table:**

- **Elevation Data:**
  - El 609.82
  - El 610.55
  - El 610.67
  - El 610.72
  - El 611.15
  - El 611.63

**Geometric Data:**

- **E a = 2 1/2"**
- **V = 60 MPH**
- **L s = 300.00'**
- **L c = 747.78'**
- **R = 2,850.93'**
- **C-M 1-5 4.4**

**Notation:**

- **MAPS:**
  - 590
  - 600
  - 610
  - 620
  - 630

**Scale:**

- **0.10%**
- **100.00 VC**
- **R = -0.15**

**For Construction:**

- **NOT FOR CONSTRUCTION**

**Drawing Information:**

- **Designed:**
  - HDR Engineering, Inc.
  - Patrick Engineering
- **Drawn:**
  - HDR Engineering, Inc.
  - Patrick Engineering
- **Checked:**
  - HDR Engineering, Inc.
  - Patrick Engineering
- **Sheets:**
  - 025 of 193
PLAN AND PROFILE
STA 2678+00 TO 2692+00
MP 50.7 TO 51.0

MICHIGAN CITY TO GARY, INDIANA

CHECKED: MAY 12, 2017
DESIGNED: NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8

FOR M2 PROFILE, SEE RPP-101
FOR M2 PROFILE, SEE RPP-223 OF RPP-138

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
 Chesterton, Indiana 46304

SERIES

RPP-029

NOT FOR CONSTRUCTION
PLAN AND PROFILE

STA 2580+00 TO 2954+00

MP 48.9 TO 49.1

FOR WILSON SIDING PROFILE, SEE RPP-139

TO MILLENIUM STATION

TO SOUTH BEND AIRPORT
DOUBLE TRACK-NWI

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT

MICHIGAN CITY TO GARY, INDIANA
CP 47.5 WILSON EAST  
MP 47.5

PROPOSED MAIN 2 TOR

PROPL OT DA TE: 5/16/2017 4:05:25 PM

www.hdrinc.com  
8550 W Bryn Mawr Ave., Suite 900  
HDR Engineering, Inc.

2510+00

EXISTING GROUND

EXISTING MAIN 2 TOR

PROPOSED MAIN 2 TOR

EX FOTS HOUSE TO REMAIN

REMOVE EX SIGNAL EQUIPMENT

REMOVE EX POTO

MP 47.5 CONSTRUCTION LIMITS

TRAFFIC SHIELD

RELOCATE WATER MAIN

RELOCATE FIBER TO MILLENIUM STATION

EX BRIDGE OVER NS

CONSTRUCT BRIDGE 47.41
SEE BRIDGE PLANS FOR DETAILS

CONSTRUCT BRIDGE 47.32
SEE BRIDGE PLANS FOR DETAILS

NO RFPO

NO FCC

CONSTRUCTION LIMITS

FOR M1 PROFILE SEE RPP-105

NOT FOR CONSTRUCTION

PLAN AND PROFILE
STA 2496+00 TO 2510+00
MP 47.3 TO 47.5

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

MICHIGAN CITY TO GARY, INDIANA

FILE NUMBER: RPP-138

FILE NUMBER: RPP-042 OF RPP-138

DATE: MAY 12, 2017

CHECKED: PEI-ALH

DRAWN: PEI-SPH

DESIGNED: PEI-DJS

DATE: 05/12/2017

PAGE: 051 OF 193
NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesapeake, Indiana 46304

PLAN AND PROFILE
STA 2188+00 TO 2202+00
MP 41.5 TO 41.7

MICHIGAN CITY TO GARY, INDIANA
PLAN AND PROFILE
STA 2160+00 TO 2174+00
MP 39.9 TO 41.2

PROPOSED MAIN 2 TRENCH
EXISTING MAIN TRENCH
EXISTING GROUND

1.03%

2174+00
2173+00
2172+00
2171+00
2170+00
2169+00
2168+00
2167+00
2166+00
2165+00
2164+00
2163+00
2162+00
2161+00
2160+00

640
630
620
610
600
590
580
570
560
550
540
530
520
510
500
490
480

DOB: 2017-05-12

PROPOSED MAIN 2 PROFILE

CONSTRUCTION LIMITS

REALIGN EXISTING GROUND

NOT FOR CONSTRUCTION

HDR-PJL
HDR-WJJ
HDR-ZDH
RPP-066
RPP-138

NOTES: NORTH SHORE MAIN MP 39.9 TO 41.2
DOUBLE TRACK MAIN

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesapeake, Indiana 46304

MICHIĞAN CITY TO GARY, INDIANA

DATE: MAY 12, 2017

MICHIGAN CITY TO GARY, INDIANA

DRAWN: CHECKED:

HDR Engineering, Inc.
Chicago, IL 60631
8550 W Bryn Mawr Ave., Suite 900

AS NOTED TO MILLENIUM STATION
TO SOUTH BEND AIRPORT

STANDARD SCALE

0.03% 0.01%
PLAN AND PROFILE
STA 2076+00 TO 2090+00
MP 39.3 TO 39.6

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
12 East Highway 12
Chesterton, Indiana 46304

HDR Engineering, Inc.
Chicago, IL 60631
8550 W Bryn Mawr Ave., Suite 900

DOUBLE TRACK N.W.I
Connectivity for Accelerated Growth

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
5101 North Mill Road
Valparaiso, Indiana 46383

MICHELLE K. HENDERSON
CONSULTANT

MICHIGAN CITY TO GARY, INDIANA

EX. EX. CONCRETE PIPE
PROP. 48" CONCRETE PIPE
EX. 48" STEEL PIPE
PROP. 48" STEEL
PROP MAIN 2 PROFILES

EXISTING GROUND
PROPOSED MAIN 2 TOR

EL 611.00
PV T 2925+00.00
PV I 2924+00.00
PV C 2923+00.00

-0.19%
200.00 VC
R = -0.10

EXISTING GROUND
PROPOSED MAIN 2 TOR

EL 611.00
PV T 2904+50.00
PV I 2904+00.00
PV C 2903+50.00

-1.00%
100.00 VC
R = 1.00

MAIN 2 profile
LIMITS OF #10 GAUNTLET TO
LIMITS OF PLATFORM

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

P R M 2 TO R 611.00
E X M 2 TO R 609.13
PROP MAIN 2 PROFILES
EXISTING MAIN TOR
EXISTING GROUND

PROPOSED MAIN 1 TOR
EXISTING MAIN TOR
EXISTING GROUND

MITTAL STEEL OUTBOUND
MITTAL STEEL INBOUND

18" CMP CROSSING
ARCELOR MITTAL

PROP MAIN 1 PROFILES

EXISTING MAIN TOR
EXISTING GROUND

PROPOSED MAIN 1 TOR
EXISTING MAIN TOR
EXISTING GROUND

MITTAL STEEL OUTBOUND
MITTAL STEEL INBOUND

18" CMP CROSSING
ARCELOR MITTAL
Proposed Main 1 Tor
Existing Main Tor
Existing Ground

Proposed 24" Steel
Prop. 36" Steel

(3) 7'x4' Concrete Box Culverts

24" CMP
18" CMP
18" CMP
18" CMP

100.00 VC
R = -0.03

100.00 VC
R = 0.10
R = 0.14

100.00 VC
R = -0.13

100.00 VC
R = -0.01

2342+00
2343+00
2344+00
2345+00
2346+00
2347+00
2348+00
2349+00
2350+00
2351+00
2352+00
2353+00
2354+00
2355+00
2356+00

472x400
472x400

Prop Main 1 Profiles

Main 1 STA 2342+00 TO 2370+00
MP 44.4 TO 44.9

Michigan City to Gary, Indiana

HDR-WJJ
HDR-ZDH
HDR-PJL

NICTD

HDR Engineering, Inc.
Chicago, IL 60631
8550 W Bryn Mawr Ave., Suite 900

Chesterton, Indiana 46304
33 East Highway 12

Transportation District
Northern Indiana Commuter

www.hdrinc.com

5/16/2017
Plot Date:

4:09:36 PM

Chesterton, Indiana 46304

Main 1 Profile

NICTD - South Shore Line - MP 32.2 TO 58.8

Michigan City to Gary, Indiana
PROP MAIN 1 PROFILES
PROP MAIN 1 PROFILES

EXISTING GROUND
EXISTING MAIN TOR
PROPOSED MAIN 1 TOR

MAIN 1 STA 1758+00 TO 1768+00
MP 33.4 TO 33.5

MICHIGAN CITY TO GARY, INDIANA
PROPOSED MOW PROFILE

EXISTING MAIN 1 TOR
EXISTING GROUND
PROPOSED MOW TOR

MICHIGAN CITY TO GARY, INDIANA
CROSS SECTIONS
STA 2475+00 TO STA 2495+00

DATE: MAY 12, 2017

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

HDR Engineering, Inc.
Chicago, IL 60631
8550 W Bryn Mawr Ave., Suite 900

HDR-ZDH
HDR-WJJ
HDR-PJL

NOT FOR CONSTRUCTION
RXS-025 OF RXS-046

HDR INSTITUTE FOR ENGINEERING EXCELLENCE
BECOMING THE MODEL OF INNOVATION, PERFORMANCE, AND EFFECTIVENESS.

DOUBLE TRACK N.W.
SUCCESSFULLY COMPLETED CONSTRUCTION OF DOUBLE TRACK N.W.
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
STA 2475+00 TO STA 2495+00

AS NOTED
RXS-025
RXS-046

FILENAME
NICTD_R_ML01_XS-0

DRAWN:
CHECKED:
DESIGNED:
ISSUE:
SHEET:
FILENAME:
SCALE:
DATE:
DESCRIPTION:
MICHIGAN CITY TO GARY, INDIANA

992 X 60
810 X 474
CROSS SECTIONS
STA 2605+00 TO STA 2625+00

NOT FOR CONSTRUCTION
DATE: MAY 12, 2017

HDR-ZDH
HDR-WJJ
HDR-PJL

MICHIGAN CITY TO GARY, INDIANA

HDR Engineering, Inc.
Chicago, IL 60631
8550 W Bryn Mawr Ave., Suite 900

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

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178 OF 193
NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT

DOUBLE TRACK NWI (NORTHWEST INDIANA)
MILEPOST 32.2 TO MILEPOST 58.8
MICHIGAN CITY TO GARY, INDIANA

PLATFORM DESIGN PLANS

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<td>SPP-022 TO 026</td>
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MICHIGAN CITY STATION
TWO HIGH-LEVEL PLATFORMS
720 FEET LENGTH

OGDEN DUNES STATION
ONE LOW-LEVEL PLATFORM
720 FEET LENGTH

DUNE PARK STATION
TWO LOW-LEVEL PLATFORMS
200 FEET LENGTH

MILLER STATION
TWO HIGH-LEVEL PLATFORMS
720 FEET LENGTH

BEGIN PROJECT
END PROJECT

COVER SHEET
GENERAL NOTES

1. This is a preliminary plan to be verified in detailed design phases. The existence, location, and elevation of all utilities and/or concealed structures at the project site are not guaranteed. The contractor is responsible for determining the existence, location, and elevation of all such utilities and/or structures, and is responsible for notifying the appropriate company, department, or person(s) of its intention to carry out its operations.

NOT IN CONTRACT
N.T.S. NOT TO SCALE
NO. NUMBER
OHP OVERHEAD POWER
PH PROP PROPOSED
RADIUS
REV REVISION
RIGHT
RIGHT-OF-WAY
SOUTH
STORM DRAIN
SQUARE FOOT
SANITARY SEWER
STATION
STANDARD
STORM SEWER
STORM DRAIN
TEMPORARY
TOP OF RAIL
TRACK
TYPICAL
WATER, WEST
CROSSING
YARD
YARD
CROSSING
NOT TO SCALE
NOT IN CONTRACT
SPP-002
SPP-655
NOT FOR CONSTRUCTION
THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION, AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE EXISTENCE, LOCATION, AND ELEVATION OF ALL SUCH UTILITIES AND/OR STRUCTURES, AND IS RESPONSIBLE FOR NOTIFYING THE APPROPRIATE COMPANY, DEPARTMENT, OR PERSON(S) OF ITS INTENTION TO CARRY OUT ITS OPERATIONS.
DOUBLE TRACK-NWI
NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
MICHIGAN CITY TO GARY, INDIANA

NOTE:
1. TRACK, SYSTEM, & CIVIL ELEMENTS SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE TRACK, SYSTEM, & CIVIL SHEETS FOR ADDITIONAL DETAIL.

2. FEEDER CABLES SHALL NOT BE LOCATED ABOVE PROPOSED WARMING SHELTERS. SEE SYSTEMS PLANS FOR ADDITIONAL DETAIL.

NOTE 1:
PARKING LOT DIMENSIONS BASED ON AERIAL IMAGERY

SEE NOTE 1:
TRACK UNDERDRAIN (TYP)
NOTE:
1. TRACK, SYSTEM, & CIVIL ELEMENTS SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE TRACK, SYSTEM, & CIVIL SHEETS FOR ADDITIONAL DETAIL.
2. FEEDER CABLES SHALL NOT BE LOCATED ABOVE PROPOSED WARMING SHELTERS. SEE SYSTEMS PLANS FOR ADDITIONAL DETAIL.
NOTE:
1. TRACK, SYSTEM, & CIVIL ELEMENTS SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE TRACK, SYSTEM, & CIVIL SHEETS FOR ADDITIONAL DETAIL.
2. FEEDER CABLES SHALL NOT BE LOCATED ABOVE PROPOSED WARMING SHELTERS. SEE SYSTEMS PLANS FOR ADDITIONAL DETAIL.

HIGH-LEVEL PLATFORM

SEE NOTE 1

NOT TO SCALE

MICHIGAN CITY STATION WITH TWO PLATFORMS

NOT TO SCALE

NOTE:

1. TRACK, SYSTEM, & CIVIL ELEMENTS SHOWN FOR INFORMATIONAL PURPOSES ONLY. SEE TRACK, SYSTEM, & CIVIL SHEETS FOR ADDITIONAL DETAIL.
2. FEEDER CABLES SHALL NOT BE LOCATED ABOVE PROPOSED WARMING SHELTERS. SEE SYSTEMS PLANS FOR ADDITIONAL DETAIL.
GENERAL NOTES:
1. SEE TRACK, CIVIL, SYSTEMS PLANS FOR ADDITIONAL DETAIL.

KEYNOTES:
1. WALKWAYS/SIDWALKS
2. WARNING SHELTER
3. RAILING
4. RAILING WITH HANDRAIL ATTACHED
5. TACTILE TILE WARNING STRIP
6. ADA RAMP
7. LANDING
8. PEDESTRIAN CROSSING GATE
9. CANOPY ABOVE
10. WINDBREAK
11. TICKET VENDING MACHINE
12. SEATING
13. SLOPED WALKWAY

STATION PLATFORM - PLAN VIEW
MAIN 1 & MAIN 2 MILLER STATION
GENERAL NOTES:

1. SEE TRACK, CIVIL, SYSTEMS PLANS FOR ADDITIONAL DETAIL.

KEYNOTES:

1. WALKWAYS/SIDewALKS
2. WARNING SHelter
3. RAILING
4. RAILING WITH HANDRAIL ATTACHED
5. TACTILE TILE WARNING STRIP
6. ADA RAMP
7. LANDING
8. PEDESTRIAN CROSSING GATE
9. CANOPY ABOVE
10. WINDBREAK
11. TICKET VENDING MACHINE
12. SEATING
13. SLOPED WALKWAY

EXISTING HIGH LEVEL PLATFORM (TO REMAIN)
GENERAL NOTES:

1. SEE TRACK, CIVIL, SYSTEMS PLANS FOR ADDITIONAL DETAIL.

KEYNOTES:

1. WALKWAYS/GRADEWALKS
2. WARNING SHELTER
3. RAILING
4. RAILING WITH HANDRAIL ATTACHED
5. TACTILE TILE WARNING STRIP
6. ADA RAMP
7. LANDING
8. PEDESTRIAN CROSSING GATE
9. CANOPY ABOVE
10. WINDSCREEN
11. TICKET VENDING MACHINE
12. SEATING
13. SLOPED WALKWAY
NOT FOR CONSTRUCTION

DATE OF SERIES
NICTD-R-ML01-SP-00

FILENAME
SHEET
DESIGNED:
OF
SCALE
DATE:
PLOT DATE:
DBURMEIS
2:37:42 PM

DESCRIPTION
ISSUE
0
05/12/2017

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

TRANSPORTATION DISTRICT
NORTHERN INDIANA COMMUTER

DOUBLE TRACK-NWI
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
MICHIGAN CITY TO GARY, INDIANA

HDR-RPB
HDR-DCB
HDR-LLO
SPP-302
SPP-605
SPP-303
SPP-301

HDR-RPB
HDR-DCB
HDR-LLO

HDR Engineering, Inc.
Chicago, IL 60631
8550 W Bryn Mawr Ave., Suite 900

AS NOTED
FINAL PRELIMINARY DESIGN
MAY 12, 2017

SCALE: 1" = 10'

GENERAL NOTES:

KEYNOTES:

1. WALKWAYS/DEWALKS
2. WARNING SHELTER
3. RAILING
4. RAILING WITH HANDRAIL ATTACHED
5. TACTILE TILE WARNING STRIP
6. ADA RAMP
7. LANDING
8. PEDESTRIAN CROSSING GATE
9. CANOPY ABOVE
10. WINDBREAK
11. TICKET VENDING MACHINE
12. SEATING
13. SLOPED WALKWAY

SEE TRACK, CIVIL, SYSTEMS PLANS FOR ADDITIONAL DETAIL.

MICHIGAN CITY TO GARY, INDIANA

SEE SHEET
SEE SHEET

MAIN 2 DUNE PARK

STATION PLATFORM - PLAN VIEW

EXISTING HIGH LEVEL PLATFORM (TO REMAIN)

C PROP MAIN 2
L
L
C EX MAIN/PROP MAIN 1
5.5' (TYP.)
5.5' (TYP.)

EXISTING HIGH LEVEL PLATFORM (TO REMAIN)

SLOPED WALKWAY
SEATING
TICKET VENDING MACHINE
WINDBREAK
PEDESTRIAN CROSSING GATE
CANOPY ABOVE
LANDING
ADA RAMP
TACTILE TILE WARNING STRIP
RAILING WITH HANDRAIL ATTACHED
WARNING SHELTER
WALKWAYS/DEWALKS

NOT FOR CONSTRUCTION

SHEET SPP-302 OF SPP-655

CHECKED:
DIBLE
MAY 12, 2017

DESIGNER:
RINEHART
MAY 11, 2017

ENGINEER:
HEINCKE
MAY 10, 2017

DATE:
MAY 12, 2017

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

CONNECTIVITY FOR ACCELERATED GROWTH

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterton, Indiana 46304

Michigan City to Gary, Indiana

016 OF 029
GENERAL NOTES:

1. SEE TRACK, CIVIL, SYSTEMS PLANS FOR ADDITIONAL DETAIL.

KEYNOTES:

1. WALKWAYS/SIDEWALKS
2. WARNING SHELTER
3. RAILING
4. RAILING WITH HANDRAIL ATTACHED
5. TACTILE TILE WARNING STRIP
6. ADA RAMP
7. LANDING
8. PEDESTRIAN CROSSING GATE
9. CANOPY ABOVE
10. WINDBREAK
11. TICKET VENDING MACHINE
12. SEATING
13. SLOPED WALKWAY

SEE SHEET SPP-302
GENERAL NOTES:

1. See track, civil, systems plans for additional detail.

KEYNOTES:

1. Walkways/Seawalks
2. Warning Shelter
3. Railing
4. Railing with handrail attached
5. Tactile Tile Warning Strip
6. ADA Ramp
7. LANDING
8. Pedestrian Crossing Gate
9. Canopy Above
10. Windbreak
11. Ticket Vending Machine
12. Seating
13. Sloped Walkway
GENERAL NOTES:

1. SEE TRACK, CIVIL, SYSTEMS PLANS FOR ADDITIONAL DETAIL.

KEYNOTES:

1. WALKWAYS/SEDWALKS
2. WARNING SHEETER
3. RAILING
4. RAILING WITH HANDRAIL ATTACHED
5. TACTILE TILE WARNING STRIP
6. ADA RAMP
7. LANDING
8. PEDESTRIAN CROSSING GATE
9. CANOPY ABOVE
10. WINDBREAK
11. TICKET VENDING MACHINE
12. SEATING
13. SLOPED WALKWAY
**GENERAL NOTES:**

1. SEE TRACK, CIVIL, SYSTEMS PLANS FOR ADDITIONAL DETAIL.

**KEYNOTES:**

- 1. WALKWAYS/SEDWALKS
- 2. WARNING SHELTER
- 3. RAILING
- 4. RAILING WITH HANDRAIL ATTACHED
- 5. TACTILE TILE WARNING STRIP
- 6. ADA RAMP
- 7. LANDINGS
- 8. PEDESTRIAN CROSSING GATE
- 9. CANOPY ABOVE
- 10. WINDBREAK
- 11. TICKET VENDING MACHINE
- 12. SEATING
- 13. SLOPED WALKWAY

**Lorem ipsum dolor sit amet, consectetur adipiscing elit.**

*PROPOSED PARKING AREA*

*STATION PLATFORM - PLAN VIEW*

*MAIN 1 & MAIN 2 MICHIGAN CITY*
SEE SHEET SPP-601

MODIFIED CALS
VERTICAL (TYP.)

PROPOSED SLOTTED DRAINS

PROPOSED DETENTION POND

R = 10'

18'

24.0'

SEE SHEETS SPP-602

PARKING SPACES

REQUESTED

EXISTING

WEST LOT - 490 SPACES

TOTAL

21

743

248

STANDARD

ADA

PARK AND RIDE

KISS AND RIDE

EXISTING

TYPE

EX ROW

180'

464'

20.5' (TYP.)

9' (TYP.)

24.0'

60.00°

SERVICE ROAD

MELTON ROAD (US-20)

BOUNDARY PARCEL

MILLER STATION

PARKING LOT DESIGN PLANS

MICHIGAN CITY TO GARY, INDIANA

HDR-RP

HDR-TH

HDR-JM

MAY 12, 2017

SHEET 3 OF 3

NOTES:

SPP-601

SPP-602

SPP-603

SPP-605

HDR-RP

HDR-TH

HDR-JM
NOT FOR CONSTRUCTION

DATE OF SERIES
NICTD-C-PARKING-PL-00

SHEET
FILENAME
SCALE

DATE:
5 /1 2 /2 0 1 7

PBURMEIS
3 :0 4 :4 0 P M

DESCRIPTION
ISSUE
507

SCALE: 1" = 50'

HDR Engineering, Inc.
Chicago, IL 60631
8550 W Bryn Mawr Ave., Suite 900

DUNE PARK STATION
PARKING LOT DESIGN PLANS
DUNE PARK STATION
MICHIGAN CITY TO GARY, INDIANA

507
15
17
507

TOTAL
729

TO MILLENNIUM STATION
TO SOUTH BEND AIRPORT

TO SOUTH BEND AIRPORT

TO MILLENNIUM STATION

DUNE PARK SHORE

PEDESTRIAN CROSSING

RE-STRIP EXISTING PARKING AS 90° ANGLED PARKING

RE-STRIP EXISTING CURB

TIE INTO EXISTING PAVEMENT

531.6'
56.0'
15.0'
237.5'
24.0'
R = 25'

DETENTION POND

PROPOSED
VERTICAL (TYP.)

MODIFIED CC&G

VERTICAL (TYP.)

PROP MAIN 2

PROP MAIN 1

FEEDER CURB

PARKING SPACES

TYPE

CROSSING

60.00°

EX ROW

FUNCTION

PARK AND RIDE
KISS AND RIDE

NOTES:

DOUBLE TRACKING
NICTD - SOUTH SHORE LINE - MP 32.2 TO 58.8
MICHIGAN CITY TO GARY, INDIANA

HDR-RP
HDR-TH
HDR-JM

SPP-605
SPP-605
SPP-605
SPP-605
SPP-605
SPP-605
SPP-605

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NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT

DOUBLE TRACK NWI (NORTHWEST INDIANA)
MILEPOST 32.2 TO MILEPOST 58.8
MICHIGAN CITY TO GARY, INDIANA

ROADWAY PLANS
10TH STREET AND 11TH STREET
GEOMETRIC PLAN SHEET 1

MICHIGAN CITY TO GARY, INDIANA

NOT FOR CONSTRUCTION

NOTE: DESIGN OF ALL ROAD CLOSURES WILL BE THE RESPONSIBILITY OF MICHIGAN CITY.

FINAL DESIGN OF ALL ROAD CLOSURES WILL BE THE RESPONSIBILITY OF MICHIGAN CITY.
NOT FOR CONSTRUCTION

10TH STREET AND 11TH STREET
GEOMETRIC PLAN SHEET 6

NOTES:

1. FINAL DESIGN OF ALL ROAD AND ALLEY CLOSURES WILL BE THE RESPONSIBILITY OF MICHIGAN CITY.
2. EXISTING PAVEMENT TO BE REMOVED BETWEEN THE 2.75' PROTECTIVE BARRIERS AND 11TH STREET TO BE CONVERTED TO ONE WAY EASTBOUND ROADWAY ON THE SOUTH SIDE.
3. INTERSECTIONS AT CHICAGO STREET, KENTUCKY ROADWAY ON THE SOUTH SIDE.
4. EXISTING PAVEMENT TO BE REMOVED BETWEEN THE 2.75' PROTECTIVE BARRIERS AND 11TH STREET.

NOTES - SOUTH SIDE LIMIT: MP 34.2 TO MP 34.4
DOUBLE TRACK NWI
NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
MICHIGAN CITY TO GARY, INDIANA

DATE: 5/12/2017
SCALE: 1" = 30' ON ANSI D
NOT FOR CONSTRUCTION

DATE OF SERIES

10th and 11th Street Concept Sheet

FILED: SCALE

DATE: PLOT DATE:

5/10/2017

11:54:32 AM

5/12/2017

FILED

FILENAME

HDR Engineering, Inc.
Chicago, IL 60631
8550 W Bryn Mawr Ave., Suite 900

NORTHERN INDIANA COMMUTER TRANSPORTATION DISTRICT
33 East Highway 12
Chesterfield, Indiana 46304

10th and 11th Street

MICHIGAN CITY TO GARY, INDIANA

www.hdrinc.com

EASTBOUND ROADWAY ON THE SOUTH SIDE.
AND 11TH ST TO BE CONVERTED TO ONE WAY
BETWEEN THE 2.75' PROTECTIVE BARRIERS
EXISTING PAVEMENT TO BE REMOVED
FREQUENCY BETWEEN THE 2.75 PROTECTIVE BARRIERS
AND TYPICAL STRENGTHS, CONVERTED TO A ONE-WAY

NOTES:
1. FINAL DESIGN OF ALL ROAD AND ALLEY CLOSURES
   WILL BE THE RESPONSIBILITY OF MICHIGAN CITY.
   EXISTING PAVEMENT TO BE REMOVED
   BETWEEN THE 2.75' PROTECTIVE BARRIERS
   AND TYPICAL STRENGTHS, CONVERTED TO A ONE-WAY
   CLOSURE ON THE SOUTH SIDE.
1. Final design of all road and alley closures will be the responsibility of Michigan City.
2. Existing pavement to be removed between the 2.75' protective barriers.

NOTES:
NOTES:

1. Final design of all road and alley closures will be the responsibility of Michigan City. All existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

2. Existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

3. Final design of all road and alley closures will be the responsibility of Michigan City. All existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

4. Existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

5. Final design of all road and alley closures will be the responsibility of Michigan City. All existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

6. Existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

7. Final design of all road and alley closures will be the responsibility of Michigan City. All existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

8. Existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

9. Final design of all road and alley closures will be the responsibility of Michigan City. All existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

10. Existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

11. Final design of all road and alley closures will be the responsibility of Michigan City. All existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

12. Existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

13. Final design of all road and alley closures will be the responsibility of Michigan City. All existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

14. Existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

15. Final design of all road and alley closures will be the responsibility of Michigan City. All existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.

16. Existing pavement to be removed between the 2.75' protective barriers and 11th St to be committed to one way.
1. FINAL DESIGN OF ALL ROAD AND ALLEY CLOSURES WILL BE THE RESPONSIBILITY OF MICHIGAN CITY.  
2. EXISTING PAVEMENT TO BE REMOVED WILL BE THE RESPONSIBILITY OF MICHIGAN CITY.  
3. 11TH STREET TO BE CONVERTED TO ONE WAY BETWEEN THE 2.75' PROTECTIVE BARRIERS.
NOT FOR CONSTRUCTION

NOTES:

1. Final design of all road and alley closures will be the responsibility of Michigan City.
2. Existing pavement to be removed between the 2.75' protective barriers will be the responsibility of Michigan City.
3. Existing pavement to be removed and 11th St to be converted to one way between the 2.75' protective barriers.

11' EASTBOUND LANE 11' RT ONLY LANE