S. STONY ISLAND AVE.

EXISTING CONDITIONS

NOTE: SEE DRAWINGS C.1 FOR EXISTING AND PROPOSED LEGENDS.

S. STONY ISLAND AVE.

PROPOSED CONDITIONS

LIMIT OF IMPROVEMENTS

STA. 214+00

EX ROW

S. STONY ISLAND AVE.

STA. 216+06.28

PR ROW = S. CORNELL DR.

S. STONY ISLAND AVE.

STA. 217+92.53

LIMIT OF IMPROVEMENTS

STA. 217+92.53

EX ROW

S. CORNELL DR.

S. STONY ISLAND AVE.

STA. 8000+00.00

PR & S. CORNELL DR. =

STA. 274+09.28

EX & S. STONY ISLAND AVE.

S. STONY ISLAND AVE.

STA. 500+00.00

PR & S. CORNELL DR.

S. STONY ISLAND AVE.

STA. 274+00.00

PR & S. CORNELL DR. =

STA. 217+92.53

EX & S. STONY ISLAND AVE.

S. STONY ISLAND AVE.

STA. 214+00

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STA. 274+00.00

PR & S. CORNELL DR. =

STA. 217+92.53

EX & S. STONY ISLAND AVE.

S. STONY ISLAND AVE.
EXISTING CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS.

S. CORNELL DRIVE (VACATED)

OPC SITE - REMOVAL WORK TO BE DONE BY OTHERS (TYP)

OPC SITE BOUNDARY (TYP)

S. CORNELL DRIVE

PROPOSED CONDITIONS

OPC SITE - WORK TO BE DONE BY OTHERS (TYP)

EX S. CORNELL DRIVE

OPC SITE BOUNDARY (TYP)
EXISTING CONDITIONS

PROPOSED CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS.

OPC SITE - WORK TO BE DONE BY OTHERS (TYP)

OPC SITE BOUNDARY (TYP)

EX S. CORNELL DRIVE

(S. CORNELL DRIVE (VACATED))
EXISTING CONDITIONS

MATCH LINE STA 1108+60.00

S. CORNELL DRIVE (VACATED)

OPC SITE - REMOVAL WORK TO BE DONE BY OTHERS (TYP)

LEGENDS.
EXISTING AND PROPOSED
SEE DRAWING C-1 FOR
NOTE:
BY OTHERS (TYP)
WORK TO BE DONE
OPC SITE - REMOVAL
OPC SITE BOUNDARY (TYP)
(VACATED)
S. CORNELL DRIVE
EX ¡ S. CORNELL DRIVE
/ SOUTH ROADWAY) [TYP]
EX ¡ MIDWAY PLAISANCE (EB
(JACKSON PARK MOBILITY IMPROVEMENTS)

PROPOSED CONDITIONS

MATCH LINE STA 1108+60.00

S. CORNELL DRIVE (VACATED)

OPC SITE - WORK TO BE DONE BY OTHERS (TYP)

JACKSON PARK
(CHICAGO PARK DISTRICT)

FILE NAME:
5/P17/2021
1434
5/17/2021
40.0000' / in.
5/P17/2021
1434
5/17/2021
40.0000' / in.
5/P17/2021
1434
5/17/2021
40.0000' / in.
5/P17/2021
1434
5/17/2021
40.0000' / in.
5/P17/2021
1434
5/17/2021
40.0000' / in.
5/P17/2021
1434
5/17/2021
40.0000' / in.
5/P17/2021
1434
5/17/2021
40.0000' / in.
EXISTING CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS.

PROPOSED CONDITIONS

NOTE: SEE SHEET C-27 FOR EXISTING AND PROPOSED CONDITIONS.

LOCATION KEY

SCALE IN FEET

M A T C H L I N E S T A 8 3 7 + 0 0

S. CORNELL DRIVE (VACATED)

OPC SITE - WORK TO BE DONE BY OTHERS (TYP)

OPC SITE - REMOVAL WORK TO BE DONE BY OTHERS (TYP)

S. CORNELL DRIVE

EX & S. CORNELL DRIVE

OPC SITE BOUNDARY (TYP)

OPC SITE BOUNDARY (TYP)

OPC SITE BOUNDARY (TYP)

OPC SITE BOUNDARY (TYP)

MATCH LINE STA 834+00

MATCH LINE STA 834+00
EXISTING CONDITIONS

PROPOSED CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS.
EXISTING CONDITIONS

NOTE: SEE DRAWING C-2 FOR
EXISTING AND
PROPOSED LEGENDS.

PROPOSED CONDITIONS
EXISTING CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS.

OPC SITE - WORK TO BE DONE BY OTHERS (TYP)

MIDWAY PLAISANCE (EB) (VACATED)

PROPOSED CONDITIONS

OPC SITE - WORK TO BE DONE BY OTHERS (TYP)

MIDWAY PLAISANCE (EB) (VACATED)
EXISTING CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGEND.

PROPOSED CONDITIONS
EXISTING CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS.

PROPOSED CONDITIONS

JACKSON PARK
(CHICAGO PARK DISTRICT)

S. CORNELL DR

E. MIDWAY PLAISANCE (N)

SCALE: 1''=20'
EXISTING CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS.

PROPOSED CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS.
EXISTING CONDITIONS

NOTE: SEE DRAWINGS C-4 FOR EXISTING LEGEND.

PROPOSED CONDITIONS

MATCH LINE STA 5028+25 SEE SHEET C-47

MATCH LINE STA 5028+75 SEE SHEET C-48

LOCATION KEY

SCALE IN FEET

TOTAL SHEETS

SHEET NO.

DRAWING NO.

CONTRACT NO.

PROJECT NO.

FILE NAME:

PLOT DATE:

PLOT SCALE:

40.0000 '/in.

5/17/2021

5028

299

25

1434

5029+50

C-42

ROADWAY PLAN

EXISTING & PROPOSED CONDITIONS

E. HAYES DR.

OF TRANSPORTATION

CHICAGO DEPARTMENT

JACKSON PARK MOBILITY IMPROVEMENTS

01/22/2021

DATE

REVISIONS

NO.

NFO

CD

MPK

P:\Civil-Projects\Civil Projects\Projects\3153\CAD\Sheets\Roadway\Contract 1\study-040.dgn

20

0

20

40

0

20

0

20

0

MATCH LINE STA 5028+75 SEE SHEET C-48

MATCH LINE STA 5028+25 SEE SHEET C-47
SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS.

NOTE:

EXISTING CONDITIONS

PROPOSED CONDITIONS

LOCATION KEY

CDOT

ROADWAY PLAN

EXISTING & PROPOSED CONDITIONS

S. Richards Dr.

JACKSON PARK MOBILITY IMPROVEMENTS

CONTRACT NO.

PROJECT NO.

FILE NAME:

PLOT DATE:

PLOT SCALE:

TOTAL SHEETS

SHEET NO.

<no text>
NOTES

1. MEDIANS SHALL NOT BE USED FOR STORAGE OR STAGING AT ANY TIME.
EXISTING CONDITIONS

PROPOSED CONDITIONS

NOTES
1. MEDIANS SHALL NOT BE USED FOR STORAGE OR STAGING AT ANY TIME.
EXISTING CONDITIONS

NOTE: SEE DRAWING C-1 FOR EXISTING AND PROPOSED LEGENDS

S. LAKE SHORE DRIVE

PROPOSED &
S. LAKE SHORE DRIVE (SB)
(TYP)

EXISTING &
S. LAKE SHORE DRIVE
(TYP)

S. LAKE SHORE DRIVE

PROPOSED &
S. LAKE SHORE DRIVE (SB)
(TYP)

MATCH LINE STA. 9958+40
SEE SHEET C-61

MATCH LINE STA. 9958+40
SEE SHEET C-61

PROPOSED CONDITIONS

MATCH LINE STA. 9958+40
SEE SHEET C-61

MATCH LINE STA. 9958+40
SEE SHEET C-61

LOCATION KEY

SCALE IN FEET

20 40
0 20 40
0 20

 existing & proposed conditions

s. lake shore drive

9958 + 65.83
pot sta
EXISTING CONDITIONS

NOTE: SEE DRAWING C-3 FOR EXISTING AND PROPOSED LEGENDS.

SCALE: 1"=20'

NOTE:
EXISTING & PROPOSED CONDITIONS

PROPOSED CONDITIONS

NOTE:
EXISTING & PROPOSED CONDITIONS
SEE DRAWING C-1 FOR EXISTING AND PROPOSED CONDITIONS.

ROADWAY PLAN
EXISTING & PROPOSED CONDITIONS
E. SCIENCE DR.

JACKSON PARK MOBILITY IMPROVEMENTS

PROJECT NO.
B-7-203

SHEET NO.
C-63

1434 SHEETS
TOTAL
320 SHEETS
PROPOSED PEDESTRIAN UNDERPASS
ELEVATION 13.34
-1.56%
+65.00 E.L. 12.33
+15.00 E.L. 10.71
-1.56%

VISTA 5020+40.00
ELEVATION 11.15
-0.59%

K = 154
150.00' V.C.
ex = 0.18'

ELEVATION 9.34
VISTA 5023+50.00
-0.59%
-0.73%

K = 50
5'-0''
ex = 0.53'
145.00' V.C.
EXISTING GROUND LINE @

+0.00 EL. 7.05
+30.00 EL. 7.12

30.00' V.C.

K = 19
ex = 0.06'

7.32

+1.01%

ELEVATION 6.97

VPISTA 1004 +15.00

-0.54%

7.25

INTERSECTION WITH S. STONY ISLAND AVE.

PROPOSED FACE OF CURB LINE EXTENDED

PROPOSED S. STONY ISLAND AVE.

EX¡E. 60TH ST. [TYP]

PROPOSED PROFILE GRADE LINE @

PREL E V = 7.32
¡ E. 60TH STREET
STA. 1004 +50.04
¡ S. STONY ISLAND AVENUE =
STA. 253 +30.37

EL. 7.02
1004+10.53
LOW POINT
STA. 1003+62.86
BEGIN RECONSTRUCTION
V PISTA 14002 +82.97

ELAVATION 7.48

+0.35%

V PISTA 14004 +56.57

ELAVATION 9.25

+1.02%

-2.53%

P R ¡ 57 T H D R I V E

S T A . 14004 +82.72

(U S 41 - S B ) =

P R £ S. L A K E S H O R E D R I V E

S T A . 9950 +93.85

PROFILE

SURVEYED

PLOTTED

GRADES CHECKED

B. M. NOTED

STRUCTURE NOTATION CHECKED

BY

DATE

NOTE BOOK

NO.

SURVEYED

PLOTTED

BY

DATE

NOTE BOOK

NO.

PLAN

ALIGNMENT CHECKED

R T. OF WAY CHECKED

CAD FILE NAME

$REV3

$REV2

$REV1

MPK

MPK

KS

01/22/2021

DESIGN:

DRAWN:

CHECKED:

APPROVED:

DATE:

REVISIONS

NO.

DESCRIPTION
COORDINATE INFORMATION -
SOUTHEAST CORNER AND MEDIAN

OPC SITE - WORK TO BE DONE BY OTHERS (TYP)

SOUTHEAST CORNER AND MEDIAN COORDINATE INFORMATION -
COORDINATE INFORMATION - SOUTHEAST CORNER

MATCH LINE - SEE SHEET C-116

S. STONY ISLAND AVE.

COORDINATE INFORMATION - NORTHEAST CORNER

MATCH LINE - SEE SHEET C-116

FINAL SURFACE WORK BY OTHERS
SEE TYPICAL SECTIONS

OPC SITE BOUNDARY (TYP)

OPC SITE - WORK TO BE DONE BY OTHERS (TYP)
COORDINATE INFORMATION - SOUTHWEST CORNER

<table>
<thead>
<tr>
<th>STATION</th>
<th>OFFSET</th>
<th>Q.C.</th>
<th>NOTE</th>
</tr>
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<tbody>
<tr>
<td></td>
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COORDINATE INFORMATION - SOUTHEAST CORNER

<table>
<thead>
<tr>
<th>STATION</th>
<th>OFFSET</th>
<th>Q.C.</th>
<th>NOTE</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>
C-125

CHICAGO DEPARTMENT OF TRANSPORTATION

GRADING DETAILS
CPD MAINTENANCE FACILITY ENTRANCE
STA. 4011+02.80-63RD STREET

JACKSON PARK MOBILITY IMPROVEMENTS

TOTAL SHEETS: 382

FILE NAME: ROADWAY\CAD\SHEETS\ROADWAY\CONTRACT1\ST-RD-GRA-D-6301.dgn

DRAWING NO.:
CONTRACT NO. - B-7-203
PROJECT NO. -

SCALE: 1"=5'

DATE: 5/17/2021

REVISIONS

DESIGN:
DRAWN:
CHECKED:
APPROVED:

BY
DATE
DESCRIPTION

FILE NAME:
PLOT DATE:
PLOT SCALE:

5/17/2021

10.0000' / in.

SCALE IN FEET

43.49'

90°00'00"

4011+02.80

8.51'

1.5%

4011+02.80

8.51'

1.5%

4011+12.09

7.52

24.00' RT

4011+14.77

8.15 ¥

8.65 C

24.00' RT

4011+00

8.01 ¥

8.09 C

24.00' RT

4010+90.86

7.95 ¥

8.45 C

38.92' RT

4011+20.26

7.42

42.82' RT

4011+21.68

7.26

33.90' RT

4010+85.22

7.67

97.45' RT

4010+81.46

8.19

41.25' RT

4010+89.18

8.22 ¥

8.55 C

31.67' RT

4010+92.50

7.57

33.90' RT

4011+13.05

7.36

42.82' RT

4011+20.26

7.63

32.75' RT

4011+02.80

8.03

8.52

1.3 %

1.6 %

COMB. CC&C TB-V12

5 IN

RAMP, 5 IN

RAMPS, 5 IN

PPC ADA CURB

PPC SW, 8 IN

HEP PCC DW, 8 IN

1.3

1.5%

0.7

8.45 C

8.59 C

8.49

4.83

31.67' RT

4.9%

0

1.5%

0.7

8.45 C

0.7

1.5%

0
EX. BOAT LAUNCH PARKING LOT ENTRANCE

HAYES DR.

COMB. CC&G TB-V32 (DEPRESSED)

COMB. CC&G TB-V32 (TYP.)

COMB. CC&G TB-V32 (TYP.)

COMB. CC&G TB-V32 (TYP.)

HAYES DR.

EX. BOAT LAUNCH PARKING LOT ENTRANCE

HAYES DR.

HAYES DR.

EX. BOAT LAUNCH PARKING LOT ENTRANCE

HAYES DR.

EX. BOAT LAUNCH PARKING LOT ENTRANCE

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HAYES DR.

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HAYES DR.

EX. BOAT LAUNCH PARKING LOT ENTRANCE

HAYES DR.

EX. BOAT LAUNCH PARKING LOT ENTRANCE

HAYES DR.
NOTES:
1. MATERIAL EXCAVATED FROM THE BERMS WEST OF LAKE SHORE DRIVE SHALL BE REUSED FOR FINAL GRADING OF THE BERMS.
TYPICAL JOINT DETAILS FOR P.C. CONCRETE BASE COURSE

NOTES:
1. SAWED INTERMEDIATE LONGITUDINAL JOINTS ARE REQUIRED ON STREETS THAT EXCEED 31 FEET IN WIDTH.
2. JOINTS IN CURBS SHALL CONFORM TO PAVEMENT JOINTS.
3. FOR JOINT IDENTIFICATION, SEE DRAWINGS C-137 TO C-139.
4. TYPE 'D' TRANSVERSE JOINTS SHALL HAVE A SPACING OF 20 FEET ON ALL LONGITUDINAL CUTS THAT EXCEED 20 FEET IN LENGTH.
5. SEE SPECIAL PROVISIONS FOR JOINING P.C.C. PAVEMENT AND P.C.C. BASE.

TYPICAL JOINT LAYOUT FOR P.C. CONCRETE BASE COURSE

[Diagram of joint layout with various symbols and text annotations]
**CIVIL DETAILS**

**TYPICAL JOINTING**

**2 OF 2**

**OF TRANSPORTATION**

**CHICAGO DEPARTMENT**

**JACKSON PARK MOBILITY IMPROVEMENTS**

**STA. TO STA.**

**SCALE:** NONE

**FILE NAME:**

**PLOT DATE:** 2/15/2021

**PLOT SCALE:** 2.0000 ' / in.

**TOTAL SHEETS:**

**SHEET NO.:**

**DRAWING NO.:**

**CONTRACT NO.:**

**PROJECT NO.:**

**REVISIONS NO.**

**BY**

**DATE**

**DESCRIPTION**

**NOTES:**

1. DEFORMED TIE BARS SHALL Conform to the requirements of AASHTO M-31 or M-33 with an elongation not less than 20%.

2. HOT Poured joint MATERIAL shall Conform to the requirements of AASHTO SpeciFication M-173-60 for concrete joint Sealer.

3. ALL TIE BARS and DOWEL BARS are to be epoxy coated.

4. SPLOTT BOARD HEADERS will not be allowed.

**TYPE A**

 Expansion Joint

(May be Construction Joint)

**TYPE B**

 Construction Joint

Longitudinal or Transverse

**TYPE C**

 Sawed Longitudinal Joint

**TYPE D**

 Sawed Contraction Joint

**TYPE E**

 Transverse Construction Joint

**TYPE F**

 Dummy Grouped Contraction Joint

Transverse Only

**TYPE G**

 Premolded Contraction Joint

Transverse Only
**TRANVERSE EXPANSION JOINT**

(for pavements with unequal thickness)

Expansion caps shall be installed on the exposed end of each dowel bar once the header has been removed and the joint filler material has been installed.

**TRANVERSE CONTRACTION JOINT**

Heat resistant closed cell plastic foam backer rod

This portion of saw cut not required when base course and surface are cut separately.

**SEALING DETAIL**

Flex joint sealers

Flexible foam joint filler

Dowel bar assembly

Dowel bar assembly

Dowel bar assembly

Dowel bar assembly

**DOE W BAR TABLE**

<table>
<thead>
<tr>
<th>PAVEMENT THICKNESS</th>
<th>DOWEL BAR DIAMETER</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0 (250) or greater</td>
<td>1 3/4 (30)</td>
</tr>
<tr>
<td>8 (200) thru 9.39 (249)</td>
<td>1 3/16 (2)</td>
</tr>
<tr>
<td>Less than 8 (209)</td>
<td>1 5/32 (2)</td>
</tr>
</tbody>
</table>

**PAVEMENT JOINTS**

(STANDARD 420001-09)

**PAVEMENT DETAILS**

IDOT PAVEMENT JOINTS

JACKSON PARK MOBILITY IMPROVEMENTS

CONTRACT NO. 2013-TA-008

PROJECT NO. - B-7-203
**CIVIL DETAILS**

**TYPICAL MEDIAN**

**S. STONY ISLAND AVE.**

**OVERVIEW**

- **Project:** Jackson Park Mobility Improvements
- **Location:** S. Stony Island Ave.
- **Scale:** None

**Sections**

- **Section B-B**
- **Section C-C**

**Lines and Notes**

- **Conventional Roadway**
- **Medians**
- **Landscaped Area**

**Details**

- **Concrete Median Surface (Mountable)**
- **Subgrade (Typ.)**
- **Sub-Basis Granular Material, Type B, 6" (Typ.)**
- **Expansion Joint Filler**
- **Transition Length**
- **Concrete Median Surface (Mountable)**
- **Toolled Contraction Joint**

**Materials**

- **Concrete Median Surface (Mountable)**
- **Subgrade (Typ.)**
- **Conventional Roadway**
- **Landscaped Area**

**Notes**

- **Landscaped Area**
- **Concrete Median Surface (Mountable)**
- **Subgrade (Typ.)**
- **Concrete Median Surface (Mountable)**
- **Toolled Contraction Joint**

**Additional Information**

- **File Name:**
- **Plot Date:**
- **Plot Scale:**

**Revision History**

- **Revision No.**
- **Date**
- **Description**
CIVIL DETAILS

LANDSCAPED PARKWAY DETAIL

CURB WALL, 12 IN. X 18 IN.

NOT TO SCALE

FULL-DEPTH SAW CUT

CURB WALL, 12 IN. X 18 IN.

LANDSCAPED PARKWAY

NOT TO SCALE

NOTES

1. STRUCTURAL SOIL IS TO BE PLACED ON EXISTING SUBGRADE AT 12" THICK BELOW THE PROPOSED SIDEBRICK. IT SHALL BE PLACED IN 3 BANES BETWEEN A DESIGNATED GROUPING OF TREE PITS ENDING AT THE BASE OF THE LAST TREE IN THE GROUP AS SHOWN IN THE CONTRACT PLANS. SEE CIVIL DRAWINGS FOR UNITS.

2. SEE LANDSCAPING PLANS AND DETAILS FOR PLANTING AND FINISHED SURFACE DETAILS.
**Civil Details**

**Concrete Bus Pad**

- **Not to Scale**

**Notes:**
1. Contractor shall verify existing base thickness "T" during construction.
2. All tie bars are to be epoxy coated.

**Bus Pad Locations**

<table>
<thead>
<tr>
<th>Primary Street</th>
<th>Cross Street</th>
<th>STA.</th>
<th>Off 1 (ft)</th>
<th>Off 2 (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stony Island</td>
<td>64TH</td>
<td>227+30</td>
<td>33.00</td>
<td>33.00</td>
</tr>
<tr>
<td>Stony Island</td>
<td>64TH</td>
<td>227+20</td>
<td>(18.90)</td>
<td>(18.90)</td>
</tr>
<tr>
<td>Stony Island</td>
<td>63ND</td>
<td>233+06</td>
<td>25.00</td>
<td>25.00</td>
</tr>
<tr>
<td>Stony Island</td>
<td>63ND</td>
<td>234+29</td>
<td>(14.50)</td>
<td>(14.50)</td>
</tr>
<tr>
<td>Stony Island</td>
<td>62ND</td>
<td>239+71</td>
<td>(14.50)</td>
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</tr>
<tr>
<td>Stony Island</td>
<td>62ND</td>
<td>240+81</td>
<td>36.50</td>
<td>36.50</td>
</tr>
<tr>
<td>Stony Island</td>
<td>60TH</td>
<td>252+46</td>
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<tr>
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<td>5024+00</td>
<td>208+62</td>
<td>214.15</td>
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</tr>
</tbody>
</table>

**Section**

- **Not to Scale**

**Bus Pad Transverse Construction Joint**

- Fill with hot poured joint material.

**Details of Concrete Bus Pad**

- **Not to Scale**

**Notes:**
1. Contractor shall verify existing base thickness "T" during construction.
2. All tie bars are to be epoxy coated.

**Bus Pad Locations**

<table>
<thead>
<tr>
<th>Primary Street</th>
<th>Cross Street</th>
<th>STA.</th>
<th>Off 1 (ft)</th>
<th>Off 2 (ft)</th>
</tr>
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<tbody>
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<td>227+20</td>
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<tr>
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<tr>
<td>Boat Launch</td>
<td>5024+00</td>
<td>208+62</td>
<td>214.15</td>
<td>214.15</td>
</tr>
</tbody>
</table>

**Civil Details**

**Concrete Bus Pad Detail**

- **Not to Scale**

**Construction Details:**

- High-Early-Strength PCC Pavement, 13"
- Proposed Bus Stop Pad
- Proposed Sub Base
- Concrete Curb and Gutter, Type B-V.12
- Hot Seal
- Saw Cut, Full Depth
- Fr. Polymized Hot Mix Asphalt
- Surface and Binder Course

**Notations:**
- Tie bars are to be epoxy coated.
- Joint materials include:
  - Dowel Bar Supports
  - Approved by the Engineer
  - Dowel Bar Spacing
  - 5" Dia. Smooth Dowel Bars
  - 30" C-C, 1'-6" Long
  - 4 #5 Tie Bars (Type B, 1'-6"")
  - 6 #5 Tie Bars (Type B, 1'-6"")

**Construction Notes:**

- Dowel Bar Supports, approved by the engineer.
- Dowel Bar Spacing: 12" long, spaced every 12" max.
- Joint Materials: Hot Seal, Saw Cut, Full Depth.
PATH CONCRETE PAVEMENT

PATH ASPHALT PAVEMENT

CONTROL JOINT

PATH HEAVY DUTY CONCRETE PAVEMENT (AT VEHICLE ENTRANCE)

EXPANSION JOINT

TEMPORARY SIDEWALK

PROP: 1. HOT-MIX ASPHALT SURFACE COURSE, MIX "D", H-9.5, N50
       2. HOT-MIX ASPHALT Binder Course, H-9.5, N50
       3. SUBGRADE GRANULAR MATERIAL, TYPE B
       4. COMPACTED SUBGRADE
       5. PORTLAND CEMENT CONCRETE SIDEWALK
       6. EX-WA-300x200 Welded Wire Fabric at midpoint of concrete
       7. SAWCUT JOINTS TO 1/4 DEPTH OF PAVEMENT, TYP.
       8. SEE LAYOUT & MATERIALS PLAGS FOR ADJACENT PAVEMENT CONDITION
       9. 1/4" INJECTIONS, TYP.
      10. JOINT SEALANT
      11. BACKER ROD
      12. EPOXY-COATED, JOINT DOWEL BAR TYP, GRADE 60, PLAIN-STEEL BARS
      13. EXPANSION JOINT MATERIAL TO FULL DEPTH
      14. FINE AGGREGATE CRUSHED STONE
      15. 1 1/2 - 2 INCH CRUSHED STONE
      16. Soil Backfill

CRUSHED AGGREGATE PATH

HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N50
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", H-9.5, N50
SUBGRADE GRANULAR MATERIAL, TYPE B
COMPACTED SUBGRADE
PORTLAND CEMENT CONCRETE SIDEWALK
EX-WA-300x200 Welded Wire Fabric at midpoint of concrete
SAWCUT JOINTS TO 1/4 DEPTH OF PAVEMENT, TYP.
SEE LAYOUT & MATERIALS PLANS FOR ADJACENT PAVEMENT CONDITION
1/4" INJECTIONS, TYP.
JOINT SEALANT
BACKER ROD
EPOXY-COATED, JOINT DOWEL BAR TYP, GRADE 60, PLAIN-STEEL BARS
EXPANSION JOINT MATERIAL TO FULL DEPTH
FINE AGGREGATE CRUSHED STONE
1 1/2 - 2 INCH CRUSHED STONE
Soil Backfill
**Civil Details**

**Bridge Rail Details**

**Wyoming Rail (TL-4)**

**Jackson Park Mobility Improvements**

**CIVIL DETAILS**

WSHINGTON DEPARTMENT OF TRANSPORTATION

**BRIDGE RAILING DETAILS**

**CONTRACT NO.**

B-7-203

**PROJECT NO.**

- 3153

**File Name:**

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**Plot Date:** 2/15/2021

**Plot Scale:** 40.0000' / in.

**Drawing No:**

**Contract 1**

**Sheet No:**

C-148

**End View**

Notes:
1. In rehabilitation work, ensure railing that cannot feasibly be made continuous over a minimum of two posts has a double-bolted splice.
2. Splices may be located on either side of post.
3. Not more than one splice is permitted per side of post, except at expansion splice.
4. Do not ship splice rails.
5. Slots may be omitted in standard sleeves where bolts are required on one side of splice only.

**Standard Sleeve Details**

**Expansion Sleeve Details**

**Splice Details**

**Double-Bolted Splice** (Top or bottom rail)
**PARAPET SHOE INSTALLATION**

- Increase 2" for structures with overlay.
- Rebar bolts must be 3/8" dia. ASTM A307 or A193 B7. Full threaded rebar bolts are recommended.
- Anchor bolts shall be installed with the headache washer and nut with a Type I ( AISI A, 2 1/2" x 7/8"  x 7/8") anchor adhesive. Allowance anchor bolts are for use in accordance with Item 434, "Anchor Bolts Assembly Details".

---

**SECTION THRU BRIDGE RAIL IN BETWEEN POSTS**

- View C-C

**SECTION THRU BRIDGE RAIL AT POST**

- View D-D

---

**SECTION E-E**

- Install Parapet Shoe after rail has been installed. To ease installation, temporarly place parapet shoe into the appropriate position and then tighten anchor bolts to ensure correct alignment.

---

**SECTION F-F**

- Length shown for 6 1/2" bar embedded with no overlay. Adjust as necessary.

---

**SECTION G-G**

- For raised sidewalks, add sidewalk height to total bar height. Use sidewalk height at rail's location.

---

**RAIL CURB FORMING DETAIL**

- View B-B

---

**COMBINATION RAIL**

**TYPE C2P**
SECTION I-I
RECTANGULAR SLEEVE MEMBER

EXPANSION JOINT OR SPLICE

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

DATE:
3 8 (ASTM A36)

SQ BAR

L Post

SECTION A-A
SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

SECTION H-H
SHOWING U-BOLT DETAIL
SHOWING TRAFFIC SIDE OF POST

SECTION A-A
SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

SECTION H-H
SHOWING U-BOLT DETAIL
SHOWING TRAFFIC SIDE OF POST

COMBINATION RAIL

TYPE C2P

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

DATE:
3 8 (ASTM A36)

SQ BAR

L Post

SECTION A-A
SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

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SHOWING TRAFFIC SIDE OF POST

COMBINATION RAIL

TYPE C2P

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

DATE:
3 8 (ASTM A36)

SQ BAR

L Post

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SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

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COMBINATION RAIL

TYPE C2P

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

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SQ BAR

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SHOWING U-BOLT DETAIL
SHOWING TRAFFIC SIDE OF POST

COMBINATION RAIL

TYPE C2P

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

DATE:
3 8 (ASTM A36)

SQ BAR

L Post

SECTION A-A
SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

SECTION H-H
SHOWING U-BOLT DETAIL
SHOWING TRAFFIC SIDE OF POST

COMBINATION RAIL

TYPE C2P

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

DATE:
3 8 (ASTM A36)

SQ BAR

L Post

SECTION A-A
SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

SECTION H-H
SHOWING U-BOLT DETAIL
SHOWING TRAFFIC SIDE OF POST

COMBINATION RAIL

TYPE C2P

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

DATE:
3 8 (ASTM A36)

SQ BAR

L Post

SECTION A-A
SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

SECTION H-H
SHOWING U-BOLT DETAIL
SHOWING TRAFFIC SIDE OF POST

COMBINATION RAIL

TYPE C2P

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

DATE:
3 8 (ASTM A36)

SQ BAR

L Post

SECTION A-A
SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

SECTION H-H
SHOWING U-BOLT DETAIL
SHOWING TRAFFIC SIDE OF POST

COMBINATION RAIL

TYPE C2P

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

DATE:
3 8 (ASTM A36)

SQ BAR

L Post

SECTION A-A
SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

SECTION H-H
SHOWING U-BOLT DETAIL
SHOWING TRAFFIC SIDE OF POST

COMBINATION RAIL

TYPE C2P

REVISIONS
NONE

1 0 " L Exp Joint or L Splice

DATE:
3 8 (ASTM A36)

SQ BAR

L Post

SECTION A-A
SHOWING CONNECTION FOR RAIL POST AND HSS 4 x 0.188 not shown for clarity. HSS 4.5 x 0.188 connection similar.

SECTION H-H
SHOWING U-BOLT DETAIL
SHOWING TRAFFIC SIDE OF POST

COMBINATION RAIL

TYPE C2P
S. LAKE SHORE DRIVE - US 41 (SOUTHBOUND)

REMOVAL PLAN

EXISTING E.O.P. (TYP)

REMOVAL OF EXISTING JACKSON PARK BARRIER WALL,
TYPE 1 (SEE SHEET C-41)

LIMIT OF REMOVAL, AT EXISTING E.O.P.
MATCH EXISTING

PA & S. LAKE SHORE DR.
US 41 (SB)

EXISTING E.O.P. (TYP)

S. LAKE SHORE DRIVE - US 41
(NORTHBOUND)

PROPOSED PLAN

PROPOSED E.O.P. (TYP)

PROPOSED JACKSON PARK BARRIER WALL
TYPE 1 (SEE TYPICAL)

LIMIT OF REMOVAL AND BARRIER REPLACEMENT
MATCH EXISTING

PA & S. LAKE SHORE DR.
US 41 (SB)

NOTES:

1. SEE DRAWINGS C-156 TO C-158 FOR JACKSON PARK BARRIER WALL,
   TYPICAL SECTIONS AND OTHER DETAILS.
CIVIL DETAILS

BARRIER DETAILS

NORTH OF LSD AND HAYES

REMOVAL PLAN

PROPOSED PLAN

DETAIL A

DETAIL B

NOTES:

1. SEE SHEETS C-156 TO C-158 FOR JACKSON PARK BARRIER WALL TYPICAL SECTIONS AND OTHER DETAILS.
TRANSITION TO PROPOSED TYPE 1 BARRIER WALL

**SECTION THRU PROPOSED TYPE 1 BARRIER WALL TRANSITION**

* Core and set #5 d202(E) bar according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".

** Note: The Polyurethane sealant shall be according to Article 1006.04 of the Standard Specifications and the color shall be gray.

** Notes:** When installing Concrete Forms in the field, Contractor shall align Forms with the Top of Jackson Park Wall.

** SECTION THROUGH PROPOSED TYPE 1 BARRIER WALL **

*** Core and set #5 d202 (E) bar according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6".

** For Pay Items See Electrical Drawings.**

** Polyurethane sealant**

** Backer rod**

** Preformed self-expanding core joint filler**

** Aluminium Joint**

** Cork Joint**

** Polyurethane sealant**

** Backer rod**

** Preformed self-expanding core joint filler**

** Aluminium Joint**

** Cork Joint**

** Polyurethane sealant**

** Backer rod**

** Preformed self-expanding core joint filler**

** Aluminium Joint**

** Cork Joint**
APPENDIX B - ADA STANDARDS

TABLE OF CONTENTS

SECTION 1 - PLAN SHEETS

- 1.1 Plan View of Ramps at Corners with Single Crossings
- 1.2 Plan View of Ramps at Corners with Multiple Crossings
- 1.3 Plan View of Ramps at Corners with Delineated Transition Panels

SECTION 2 - ALLOY AND INUMMERICAL SHEETS

- 2.1 Alloy with Single Crossings
- 2.2 Alloy with Multiple Crossings
- 2.3 Alloy with Delineated Transition Panels

SECTION 3 - DETAIL

- 3.1 Details for Ramps at Corners with Single Crossings
- 3.2 Details for Ramps at Corners with Multiple Crossings
- 3.3 Details for Ramps at Corners with Delineated Transition Panels

APPENDIX B - ADA STANDARDS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION

APPROVALS FOR OPENINGS, CONSTRUCTION AND REPAIR IN THE PUBLIC WAY

ADA STANDARDS

Department of Transportation
STREET PAVEMENT RESTORATION
DETAIL WITH TRENCH BACKFILL

PARKWAY RESTORATION DETAIL

**NOTES:**
1. THE PORTLAND CEMENT CONCRETE BASE SHALL BE 6" OR MORE (SEE SECTION 4.2.1 FOR REQUIRED THICKNESS). FOR CONCRETE STREET THE CONCRETE SHALL BE PLACED TO DENOTE SLOTTING 3"-CUT (1/4" PER MONTH) AND PLACED AS REQUIRED IN THE CODE.
2. ALL ELECTRICAL PAVEMENT WILL BE CUT OUT IN THE CALIBER SLOTS. THE TRENCH OR TRENCH BACKFILL WILL BE LEFT IN PLACE AND NOT REMOVED. ALL STREETS PAVEMENT WILL BE PLACED IN THE SLOTS. IN SOME CASES, CALIBER SLOTS CAN BE психологических АПСЕЕРДОМ НА ПРИМЕР, УДОБЕНЕ СЕЙЧАС И НЕ РЕМОШИФИРОВАННЫЕ. ВСЕ СТРОЙСТВА ИЛИ ЭЛЕКТРИЧЕСКИЕ ПОДКЛЮЧЕНИЯ ОПИСЫВАЮТСЯ НАЧАЛО ПОЛЬЗУЮЩИМСЯ ДАЛЕЕ, И НЕ РЕМОШИФИРОВАННЫЕ.
3. ALL THE DRAWS AND COMED DRAWS ARE TO BE DOCTOR COATED (INCIDENTAL).
SEWER TRENCH DETAIL WITH
TEMPORARY PAVEMENT RESTORATION

PARKWAY RESTORATION DETAIL

PIPE UNDERDRAIN

NOTES:

- Pipe underdrains will be paved for as pipe underdrains present; 6-in. pipe
  and will include drainage, embankment material, geotechnical profile,
  and pipe.

- Pipe underdrains will have the pipe underdrains present; 6-in. pipe
  and will include drainage, embankment material, geotechnical profile,
  and pipe.

- Pipe underdrains will have the pipe underdrains present; 6-in. pipe
  and will include drainage, embankment material, geotechnical profile,
  and pipe.

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  and will include drainage, embankment material, geotechnical profile,
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- Pipe underdrains will have the pipe underdrains present; 6-in. pipe
  and will include drainage, embankment material, geotechnical profile,
  and pipe.

- Pipe underdrains will have the pipe underdrains present; 6-in. pipe
  and will include drainage, embankment material, geotechnical profile,
**TYPICAL BUTT JOINT WITHOUT HMA TAPER FOR MILLING AND RESURFACING**

- **PROP. HMA SURFACE REMOVAL** (SEE PLANS FOR TYPE AND DEPTH)

**TYPICAL BUTT JOINT WITH HMA TAPER FOR MILLING AND RESURFACING**

- **PROP. HMA SURFACE COURSE** (SEE PLANS FOR TYPE AND DEPTH)

**TYPICAL BUTT JOINT WITH HMA TAPER FOR RESURFACING**

- **PROP. HMA OR PCC JOINT RAMPS**

**TEMPORARY HOT-MIX ASPHALT AROUND UTILITY STRUCTURES**

**DETAILS OF BUTT JOINT AT PROJECT LIMITS**

**DETAIL OF PCC PAVEMENT TO PCC BASE COURSE TRANSITION**

**NOTE:**

- Temporary HMA is to be formed wherever directed by the Engineer. Regardless of shape (round, square or rectangular) and will be paid for as Leveling Binder (Hand Method), NOT.

- Saw cut surface is included in cost of HMA surface course removal, variable depth.

- Proposed Portland cement concrete base course transition (see plans for type and depth).

- Proposed slump-base granular material or aggregate substance improvement (see plans).

- Transition in pavement thickness (included in cost of Portland cement concrete pavement of the type and thickness shown in plans).

- Potential expansion joint (see sheet C-13).

**BASE OF PAYMENT:**

- Installation of temporary ramp and butt joint will be paid for per sq. yd. as temporary ramp.

- Installation of temporary HMA surface removal - butt joint.
VARIABLE - TO MEET EXISTING
DIMENSIONS AND FIELD CONDITIONS

PROPOSED CONCRETE CURB OR CURB AND GUTTER REPLACEMENT
IN ACCORDANCE WITH STATE STANDARD 60A001.

SAW CUT FULL DEPTH

EXISTING SIDEWALK. DRIVEWAY, MEDIAN
SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN
SURFACE OR SOD INSIDE 6A COMBINATION
CONCRETE CURB AND GUTTER OF THE TYPE SPECIFIED.

PROPOSED CONCRETE CURB OR CURB AND GUTTER REPLACEMENT
OF THE TYPE SPECIFIED.

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

PROPOSED 6 (20) EPOXY COATED TIE BARS 24" (610) LONG AT
24" (610) CENTERS

3" (75) MIN.

3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** If the final surface of the pavement is concrete, the gutter is to be flush
with the pavement.

COMBINATION CURB AND GUTTER REMOVAL.

FOR "COMBINATION CURB AND GUTTER REMOVAL" AND
"COMBINATION CONCRETE CURB AND GUTTER" OF THE TYPE SPECIFIED.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)
UNLESS OTHERWISE SHOWN.
TYPICAL EMBANKMENT DETAIL

FOR EMBANKMENT

NOTES:

1. Construct succeeding bench cuts and embankment placement and compaction from bottom to top in stair-step fashion.
2. Expend foreshores prepared in accordance with Article 205.05 of the Standard Specifications.
3. Bench cut existing slope typical for each step.
4. Trim to final slope.
5. Equal 8-inch (200 mm) lifts of embankment compacted in accordance with Article 205.05 of the Standard Specifications.
6. Excavation of bench cuts within existing embankment may be paid for at the contract unit price per cubic meter or cubic yard for 'Earth Excavation'. This price will include all labor and materials. No additional compensation will be allowed.
7. Slopes shall be bench cut according to this detail when the slope is steeper than 4:1 and the height is greater than 5' (1.5 m).

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME: p:\civil-pw-int.civiltech.local:Civiltech Projects\Projects\3153\CAD\Sheets\CDOT Civil Details\jdd-IDOTD1-003.dgn

PLT DATE: 2/15/2021
PLT SCALE: 2.0000 ' / in.
# TYPICAL APPLICATION

## DESIGN NOTE:
1. **Smaller Intersections:** The pavement joints need to be aligned.
2. **Larger Intersections** (18' or greater) or intersections with a skew of 15° or less, the pavement separation joint should be considered.
3. **If Engineer is Unable to Match:** Joints between mainline and side streets, the pavement separation joint should be considered.
4. **An Alternative:** Is to increase the pavement thickness by 1/2" for the length of the affected panels at the intersection.
5. **For Large Intersections:** (3 lanes or more) where joints can be matched, use #8 (25) 2-1/8" diameter tie bars at edge of mainline pavement where no pavement separation joints are used.

## NOTE:
1. **Joint Filler** shall consist of a sheet of 1/4" interwoven preformed fiber joint filler conforming to Article 1051.03 of the standard specifications.
2. **The Joint** shall be sealed with a hot pour joint sealer conforming to Article 1050.03 of the standard specifications.
3. **A Single Layer** of fine roofing paper shall serve as a bond breaker.
4. **Joint** shall continue through combination curb & gutter on PCC shoulder.

## METHOD OF MEASUREMENT
- This work will be measured for payment in feet, measured in place.

### BASIS OF PAYMENT
1. **This Work Will Be Paid For** at the unit price per foot for "sleeper slab".
2. **Bond Breaker Anchors** 1/2" diameter joint filler shall be included in the pay item "sleeper slab".

## TYPICAL APPLICATION

### DOWEL BAR TABLE

<table>
<thead>
<tr>
<th>Pavement Thickness</th>
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</thead>
<tbody>
<tr>
<td>8&quot; or Greater</td>
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<tr>
<td>6&quot; or Greater</td>
</tr>
</tbody>
</table>

### PROPOSED SECTION A-A

- **1" (600) 900 PFC 6 AIRinish**
- **12" (1800) 900 PFC 6 AIRinish Improvement**
- **12" (1800) 900 PFC 6 AIRinish**
- **12" (1800) 900 PFC 6 AIRinish Improvement**
- **4 ft. (1.2 m)**
- **Undisturbed soil or 4" granular subbase type B**

---

**STATE OF ILLINOIS**

**CIVIL DETAILS**

**JACKSON PARK MOBILITY IMPROVEMENTS**

**DOT DISTRICT ONE DETAILS**

**DEPARTMENT OF TRANSPORTATION**

**CONTRACT NO.:**

**PROJECT NO.:**

**DATE:**

**DESIGN:**

**DRAWN:**

**CHECKED:**

**APPROVED:**

**DATE:**

**REVISIONS**

**NO.:**

**FILE NAME:**

**PLOT DATE:**

**PLOT SCALE:**

**2.0000' / in.**

**2/15/2021**

**TOTAL SHEETS**

**SHEET NO.**

**DRAWING NO.**

**CONTRACT NO.**

**PROJECT NO.**