APPENDIX A

(Maps, Plans, Profiles & Typical Sections)
NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 1

DESCRIPTION OF WORK:

LAKE CHAMPLAIN BRIDGE REPLACEMENT

NOTE: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER THE Item IN ANY WAY IF HE DOES NOT FOLLOW THE STAMP OF A LICENSED PROFESSIONAL ENGINEER. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR MUST STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

CONTRACT NUMBER

FILE NAME = u:\20330\cadd\dsgn\180581_cph_dsr_gnp_03.dgn

DATE/TIME = 2/3/2010 3302

USER =

DOCUMENT NAME:

BRIDGES CULVERTS AS BUILT REVISIONS
NYS ROUTE 185
LAKE CHAMPLAIN

GENERAL PLAN
STA 110+50.00 TO STA 115+75.00

PREPARED BY:
ON:
ALTERED BY:
ON:

NOTE: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER ANY PART OF AN ENGINEER'S DRAWING OR PRINTS. THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR MUST STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FILE NAME = u:\20330\cadd\dsgn\180581_cph_dsr_gnp_04.dgn

1805.81
BIN 5521180

USER =
DATE/TIME =

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Main: (518) 453-4500
III Winners Circle, PO Box 5269    Albany, NY 12205-0269
www.chacompanies.com

NYS ROUTE 185
VT ROUTE 17
ESSEX COUNTY, NY / ADDISON COUNTY, VT

NYS ROUTE 185, SH 9527
LAKE CHAMPLAIN BRIDGE REPLACEMENT

PIER 3
STA 112+40.00

PIER 4
STA 114+90.00

HB HB HB HB
HB
HB
HB
HB
HB
HB
HB
HB HB HB

© 2010
VT ROUTE 17

ESSEX COUNTY, NY / ADDISON COUNTY, VT

LAKE CHAMPLAIN BRIDGE REPLACEMENT

GENERAL PLAN
STA 121+25.00 TO STA 126+15.00

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NOTE: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER ANY ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.
NEW YORK ROUTE 185/VERMONT ROUTE 17

PROFILE
STA 95+00.00 TO STA 99+50.00

-PV STA 99+28.00
ELEV = 131.24

-PVI STA 99+00.00
ELEV = 131.66

BEGIN RECONSTRUCTION
MATCH EXISTING

PREPARED BY:  DATE:  ALTERED BY:  ON:
SIGNATURE  DATE

COUNTY:  ESSEX COUNTY, NY / ADDISON COUNTY, VT

NOTE: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER ANY DRAWING OR PLAN IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 1

FILE NAME = u:\20330\d0128323\180581_cph_pro_01.dgn
DATE/TIME = 2/3/2010 3302 USER =

DRAWING NO.  SHEET NO. X

CONTRACT NUMBER

DOCUMENT NAME: BRIDGES CULVERTS AS BUILT REVISIONS

NAME OF WORK: LAKE CHAMPLAIN BRIDGE REPLACEMENT

SIGNATURE  DATE

STATE: NEW YORK / VERMONT

DRAWING NO.  SHEET NO.  OF 4

CONTRACT NUMBER

CERTIFICATE OF COMPLIANCE

NOTE: IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER ANY DRAWING OR PLAN IN ANY WAY, IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 1

FILE NAME = u:\20330\d0128323\180581_cph_pro_01.dgn
DATE/TIME = 2/3/2010 3302 USER =

DRAWING NO.  SHEET NO. X

CONTRACT NUMBER
NEW YORK ROUTE 185/VERMONT ROUTE 17
PROFILE
STA 115+50.00 TO STA 121+00.00

L = 480.00 FT.
G1 = 5.00%
G2 = -5.00%

STA 115+80.00
STA 118+80.00

SSD = 321 FT.

C PIER 5
STA 119+70.00
300 FT NAVIGATION CHANNEL

75 FT MIN VERTICAL CLEARANCE WITHIN NAVIGATIONAL CHANNEL

MEAN HIGH WATER ELEV 98.0

FORMER BRIDGE DECK

PVI STA 117+30.00
ELEV = 187.00

PVT STA 119+70.00
ELEV = 175.00

-5.00%

PROPOSED GRADE

E = -6.00 FT.

ELEVATION

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JOB MANAGER
DESIGNED BY
DESIGN SUPERVISOR
CHECKED BY
ESTIMATED BY
DRAFTED BY
CHECKED BY
PREPARED BY:
ON:
ALTERED BY:
ON:

CONTRACT NUMBER
NYS ROUTE 185
VT ROUTE 17

COUNTY:
ESSEX COUNTY, NY / ADDISON COUNTY, VT

FILE NAME =
u:\20330\d0128323\180581_cph_pro_05.dgn
2/3/2010
3302

DRAWING NO.
SHEET NO.
X

Main: (518) 453-4500
III Winners Circle, PO Box 5269    Albany, NY 12205-0269
www.chacompanies.com

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 1

DOCUMENT NAME:
BRIDGES
CULVERTS
AS BUILT REVISIONS

COUNTY:

CO-LOCATION SHEET NUMBER:
NEW YORK ROUTE 185, SH 9527
LAKE CHAMPLAIN BRIDGE REPLACEMENT
DRILLED SHAFT ELEVATION

CONCRETE SHAFT DRILLED WITH OPEN HOLE

NOTES:
1. 6'-0" DRILLED SHAFT
2. STEEL CASING SHALL MEET THE REQUIREMENTS OF ASTM A252 GRADE 2.
3. SEE PILE TABLE FOR DETERMINING EXACT TIP ELEVATION.

SCALE \( \frac{\text{3/8"}}{1'-0"} \)

SECTION A-A 6'-0" DRILLED SHAFT

SCALE \( \frac{\text{3/8"}}{1'-0"} \)

SECTION B-B 5'-0" ROCK SOCKET

SCALE \( \frac{\text{3/8"}}{1'-0"} \)

PROGRESS PRINT
DATED FEB. 1, 2010

HNTB NY ENGINEERING & ARCHITECTURE, P.C.

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NOTES:
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET NO.

PROGRESS PRINT
DATED FEB. 1, 2010
NOTES:
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET NO. 10'-0"
Framing Plan - Span 3

Notes:
1. For general structural notes, see sheet nos.

New York State Department of Transportation Region 3

Prepared by: [Name]

Drawn by: [Name]

Checked by: [Name]

Prepared for: [Name]

April 2010

Sheet No.: [Number]

All dimensions in ft unless otherwise noted.

**Alternation of this material in any way, unless done under the direction of a comparable professional, (i.e.) architect for an architect, engineer for an engineer or landscape architect for a landscape architect, is a violation of the New York State Education Law and/or regulations and is a class "A" misdemeanor.**

Dated: Feb. 1, 2010

PROGRESS PRINT

Dated Feb. 1, 2010

FILE NAME = [Name]

DATE/TIME = [Date]

USER = [Name]

DESIGN SUPERVISOR = [Name]

CHECKED BY = [Name]

ESTIMATED BY = [Name]

DRAFTED BY = [Name]

IGNED BY = [Name]

SIGNATURE = [Name]

DATE = [Date]

CONTRACT NUMBER = [Number]

DRAWING NO. = [Number]

SHEET NO. = [Number]

COUNTY: [County]

DESCRIPTION OF WORK:

Lake Champlain Bridge Replacement Over Lake Champlain

NEW YORK APPROACH

JOB MANAGER = [Name]

DESIGNED BY = [Name]

PHASE 1: 03/11/10

PHASE 2: 03/11/10

PROJECT: 5-0218-0

L.R. 50

LAKE CHAMPLAIN BRIDGE REPLACEMENT OVER LAKE CHAMPLAIN

CITIES:

NEW YORK APPROACH

COUNTY: ESSEX, NY AND ADIRONDACK, VT

NEW YORK STATE DEPARTMENT OF TRANSPORTATION REGION 3

**NOTE:**

1. For general structural notes, see sheet nos.
FRAMING PLAN - SPAN 4

NOTES:
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET NOS.

PROGRESS PRINT
DATED FEB. 1, 2010

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47'-4"  56'-8"

53'-0"  87'-0"

70'-0"
FRAMING PLAN - SPAN 6

NOTES:
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET NO.

PROGRESS PRINT
DATED FEB. 1, 2010
NOTES:
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET NO.

PROGRESS PRINT
DATED FEB. 1, 2010
NOTES:
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET NO. 577.
ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

PROGRESS PRINT
DATED FEB. 1, 2010

NOTES:

1. ALL RAILING IS TO BE FABRICATED AND ERECTED ACCORDING TO SECTION 568 OF THE STANDARD SPECIFICATIONS.

2. PRIOR TO GALVANIZING THE ASSEMBLED POST, GRIND ALL EDGES TO A MINIMUM RADIUS OF 1/8".

3. BOLTS SHALL BE TORQUED SNUG TIGHT (APPROXIMATELY 100 LB-FT).

4. PROTRUSIONS CAUSED BY WELDING OR GALVANIZING ARE NOT PERMITTED ON THE ADJOINING SURFACES OF THE BOX BEAM RAILS, SPLICE TUBES AND FILL PLATES.

5. THE ALTERATION OF THIS MATERIAL IN ANY WAY, UNLESS DONE UNDER THE DIRECTION OF A COMPARABLE PROFESSIONAL, (I.E.) ARCHITECT FOR AN ARCHITECT, ENGINEER FOR AN ENGINEER OR LANDSCAPE ARCHITECT FOR A LANDSCAPE ARCHITECT, IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" MISDEMEANOR.
TYPICAL TIE GIRDER SECTION

TYPICAL SECTION AT CANTILEVER BRACKET

TYPICAL ARCH RIB SECTION

TYPICAL TIE GIRDER SECTION AT FLOORBEAM

TYPICAL ARCH RIB SECTION

TYPICAL SECTION AT CANTILEVER BRACKET
NOTES:
1. FOR GENERAL STRUCTURAL NOTES, SEE SHEET NO.

FRAMING PLAN - SPAN 5

PROGRESS PRINT
DATED FEB. 1, 2010
TABLE OF TEMPORARY EFFECTS

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**Notes:**
1. See DWG NO. PRO-02 for profiles and typical sections of temporary stone access road and crane platform.
2. All effects are temporary and fill shall be removed at the completion of the bridge replacement project.
3. See DWG NO. SSP-02 for steel sheeting layout and design parameters.
4. The contractor shall install temporary lightings as per U.S. Coast Guard Bridge Administration's special notes.
5. Following the completion of the caissons, the width shall be measured at locations to be determined by the EIC. Each location shall be measured on a weekly basis for movement. If the caisson width changes by 6 inches or more, contact the regional geotechnical engineer to evaluate the stability of the caisson.
6. Silth fence shall be placed at any location where erosion and sediment is anticipated and/or in locations as determined by engineer to prevent sediment created by this project from entering water bodies. Additionally, silth fence shall be placed around all substructure removal locations on land and substructure caissons shall be kept away from the lake water potential.

**Scale:**

**Approximate Fill Limits**

**Temporary Stone Access Road - See Note 1**

**Length of Access Road**

**Temporary Effects**

**Table:**

**Temporary Stone Access Road - See Note 1**

**Silt Fence (Typ.)**

**Turbidity Curtain (Typ.) - See Note 2**
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### TABLE OF TEMPORARY EFFECTS

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**NOTES:**
1. ALL EFFECTS ARE TEMPORARY AND SHALL BE REMOVED AT THE COMPLETION OF THE BRIDGE REPLACEMENT PROJECT.
2. SEE DWG. NO. PRO-01 FOR CENTERLINE PROFILE OF TEMPORARY STONE CAUSEWAY AND QUANTITY OF TEMPORARY STONE FILL.
3. THE CONTRACTOR SHALL INSTALL TEMPORARY LIGHTING AS PER U.S. COAST GUARD BRIDGE ADMINISTRATION'S SPECIAL NOTES.
4. Silt fence shall be placed at all location where erosion and sediment is anticipated, and shall be placed around all substructure removal locations on land and those areas shall be used around piers within the lake where possible.
AREA OF POTENTIAL EFFECT MAP
LAKE CHAMPLAIN BRIDGE REPLACEMENT
P.I.N. 1805.81

STAGING AREA 1
NY ROUTE 185
GRID NORTH
SCALE 0 50 FT

AREA OF POTENTIAL EFFECT (APE)
(400' X 240')
NYSDEC MAINTENANCE CENTER
NTS

POTENTIAL STAGING AREA 1
NY ROUTE 9N
BULWAGGA DRIVE
HARBOUR LANE
RAILROAD GRID NORTH
AREA OF POTENTIAL EFFECT (APE)
80'
BRITISH STORE HOUSES
APA NHL BOUNDARY
NYSM 11792
NYSM 11795
A031.02.000039
A031.02.000162

FRENCH REDOUBT
NYSM 2754
A031.02.000035
A031.02.000166
A031.02000178

FORT CROWN POINT
CHAMPLAIN BRIDGE TOLL KEEPERS HOUSE
AREA OF POTENTIAL EFFECT (APE)
APA NHL BOUNDARY
NYSM 2758
NYSM 7744
A031.02.000177
A031.02000178

MILITARY ROAD TO TICONDEROGA APPROXIMATE ROUTE OF MILITARY ROAD TO TICONDEROGA 18TH CENTURY ROADWAY (2009)
LIME KILNS
NYSM 2753
NYSM 9266

CHAMPLAIN MEMORIAL LIGHTHOUSE CROWN POINT STEAMBOAT PIER GRENADIER'S REDOUBT FORT ST. FREDERIC
AREA OF POTENTIAL EFFECT (APE)

LEGEND
DEC UNIT MANAGEMENT PLAN RESOURCES ADIRONDACK PARK AGENCY NHL BOUNDARY APPROXIMATE LOCATION MILITARY ROAD TO TICONDEROGA CROWN POINT NHL BOUNDARY FRENCH SETTLEMENT AREA AREA OF POTENTIAL EFFECT KNOWN ARCHAEOLOGICAL SITES