



State of Vermont
Finance & Administration
Contract Administration
One National Life Drive
Montpelier VT 05633-5001
<http://vtrans.vermont.gov>

Agency of Transportation

[phone] 802-828-2641
[fax] 802-828-5545
[ttd] 800-253-0191

September 23, 2015

Dean Bloch, Town Administrator
Town of Charlotte
PO Box 119
Charlotte, VT 05445

RE: Town Highway Structures Program FY16

Grant Number: BC1687

Dear Mr. Bloch:

Attached, please find a Town Highway Structures Program Grant Agreement. Please have the authorized personnel sign and return the document electronically to me at tricia.scribner@vermont.gov.

Standard State Contract Provisions: Insurance Requirements: Before commencing work on this Agreement the Party must provide certificates of insurance to show that the following minimum coverage is in effect in accordance with the Standard State Contract Provisions. A Certificate of General Liability Insurance in the amount of \$1,000,000, Automobile Insurance in the amount of \$1,000,000 and Worker's Compensation insurance in accordance with the laws of the State of Vermont. ***Certificate of Insurance MUST state: Party shall name State of Vermont and its officers and employees as additional insured for liability arising out of this Agreement.*** It is the responsibility of the Party to maintain current certificates of insurance on file with the state through the term of the Agreement.

When the agreement has been fully executed, I will date and return a fully executed copy for your file.

Should you have any questions or concerns, please contact me at 802-828-2641.

Sincerely,

A handwritten signature in cursive script that reads "Tricia Scribner".

Tricia Scribner
Contracts Specialist II
Enclosure



**STATE OF VERMONT
STANDARD GRANT AGREEMENT**

Agreement# BC1687

Part 2 – Grant Agreement

1. **Parties:** This is a Grant Agreement for financial assistance between the State of Vermont, Agency of Transportation (hereinafter called “State”), and the Town of Charlotte, local government, with principal place of business at PO Box 119, Charlotte, VT 05445, (hereinafter called “Grantee”). It is the Grantee’s responsibility to contact the Vermont Department of Taxes to determine if, by law, the Grantee is required to have a Vermont Department of Taxes Business Account Number.
2. **Subject Matter:** The subject matter of this Grant Agreement is financial assistance to a municipality under 19 V.S.A. § 306(e) for maintenance, including actions to extend life expectancy, and construction of bridges, culverts, and other structures, including causeways and retaining walls, intended to preserve the integrity of the traveled portion of class 1, 2, and 3 town highways.
3. **Award Details:** Amounts, dates and other award details are as shown in the attached Grant Agreement Part 1 – Grant Award Detail. A detailed scope of work covered by this award is described in Attachment A.
4. **Amendment:** No changes, modifications, or amendments in the terms and conditions of this Grant Agreement shall be effective unless reduced to writing, numbered, and signed by the duly authorized representative of the State and Grantee.
5. **Cancellation:** This Grant Agreement may be suspended or cancelled by either party by giving written notice at least thirty (30) days in advance.
6. The Grantee hereby certifies as follows:
 - a. The Grantee has funds available to finance the local share of the project during the Grant period.
 - b. The Grantee has adopted town road and bridge standards which meet or exceed the minimum State-approved codes and standards produced by the Vermont Agency of Transportation (VTrans) and approved by the Vermont Agency of Natural Resources (VANR). If the Grantee has adopted codes and standards which meet these minimum requirements, the Grantee further certifies that the municipality follows and adheres to those adopted codes and standards.
 - c. The Grantee has an Infrastructure Study (three years or less old) which identifies location, size, deficiencies/condition of roads, bridges, causeways, culverts and highway-related retaining walls on class 1, 2, and 3 town highways, and estimated cost of repair.
 - d. The Grantee has submitted the Annual Town Plan required by 19 V.S.A. § 306(j) to VTrans’ district office.

- e. Where a municipality has adopted codes and standards meeting the minimums required by VTrans and has an Infrastructure Study, the project is eligible for a 90% State share, not to exceed the total award amount stated on the Grant Agreement Part 1 – Grant Award Detail.
- f. Where a municipality has not adopted codes and standards meeting the minimums required by VTrans or lacks an Infrastructure Study, the project is eligible for an 80% State share, not to exceed the total award amount stated on the Grant Agreement Part 1 – Grant Award Detail.

- 10. The Town/Municipality has completed the Environmental Resource checklist in Attachment A.
- 11. Attachments: This Grant Agreement consists of 42 pages including the following attachments which are incorporated herein:

- Attachment A – Vermont Agency of Transportation Municipal Highway Grant Application-
Scope of Work to be Performed
- Attachment B – Payment Provisions
- Attachment C – Standard State Provisions for Contracts and Grants (03/01/15)
- Attachment D – Other Provisions

WE, THE UNDERSIGNED PARTIES, AGREE TO BE BOUND BY THIS GRANT AGREEMENT.

STATE OF VERMONT
AGENCY OF TRANSPORTATION

GRANTEE:
TOWN OF CHARLOTTE

Signature: _____

Signature: _____

Name: _____

Name: _____

Title: Secretary of Transportation

Title: _____

Date: _____, 20__

Date: _____, 20__

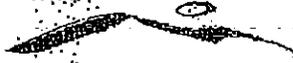
APPROVED AS TO FORM:

DATE: 9/11/2015


ASSISTANT ATTORNEY GENERAL

STATE OF VERMONT GRANT AGREEMENT				Part 1-Grant Award Detail			
SECTION I - GENERAL GRANT INFORMATION							
¹ Grant #: BC1687				² Original <input checked="" type="checkbox"/> Amendment #			
³ Grant Title: Town Highway Structures Program FY16							
⁴ Amount Previously Awarded: \$ 0.00		⁵ Amount Awarded This Action: \$ 175,000.00		⁶ Total Award Amount: \$ 175,000.00			
⁷ Award Start Date: 07/01/15		⁸ Award End Date: 12/31/17		⁹ Subrecipient Award: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
¹⁰ Vendor #: 0000040109		¹¹ Grantee Name: Town of Charlotte					
¹² Grantee Address: PO Box 119							
¹³ City: Charlotte			¹⁴ State: VT		¹⁵ Zip Code: 05445		
¹⁶ State Granting Agency: Vermont Agency of Transportation						¹⁷ Business Unit: 08100	
¹⁸ Performance Measures: YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		¹⁹ Match/in-Kind: \$ 10%		Description: Local Match			
²⁰ If this action is an amendment, the following is amended: Amount: <input type="text"/> Funding Allocation: <input type="text"/> Performance Period: <input type="text"/> Scope of Work: <input type="text"/> Other: <input type="text"/>							
SECTION II - SUBRECIPIENT AWARD INFORMATION							
²¹ Grantee DUNS #: 028790046			²² Indirect Rate: 0 % <small>(Approved rate or de minimis 10%)</small>		²³ FFATA: YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
²⁴ Grantee Fiscal Year End Month (MM format): 06			²⁵ R&D: <input type="text"/>				
²⁶ DUNS Registered Name (if different than VISION Vendor Name in Box 11):							
SECTION III - FUNDING ALLOCATION							
STATE FUNDS							
Fund Type		²⁷ Awarded Previously	²⁸ Award This Action	²⁹ Cumulative Award	³⁰ Special & Other Fund Descriptions		
General fund		\$0.00	\$0.00	\$0.00			
Special Fund		\$0.00	\$0.00	\$0.00			
Global Commitment <small>(non-subrecipient funds)</small>		\$0.00	\$0.00	\$0.00			
Other State Funds		\$0.00	\$175,000.00	\$175,000.00	Transportation Fund		
FEDERAL FUNDS <small>(Includes subrecipient Global Commitment funds)</small>						Required Federal Award Information	
³¹ CFDA #	³² Program Title	³³ Awarded Previously	³⁴ Award This Action	³⁵ Cumulative Award	³⁶ FAIN	³⁷ Federal Award Date	³⁸ Total Federal Award
		\$0.00	\$0.00	\$0.00			\$0.00
³⁹ Federal Awarding Agency:			⁴⁰ Federal Award Project Descr:				
		\$0.00	\$0.00	\$0.00			\$0.00
Federal Awarding Agency:			Federal Award Project Descr:				
		\$0.00	\$0.00	\$0.00			\$0.00
Federal Awarding Agency:			Federal Award Project Descr:				
		\$0.00	\$0.00	\$0.00			\$0.00
Federal Awarding Agency:			Federal Award Project Descr:				
		\$0.00	\$0.00	\$0.00			\$0.00
Federal Awarding Agency:			Federal Award Project Descr:				
		Total Awarded - All Funds	\$0.00	\$175,000.00	\$175,000.00		
SECTION IV - CONTACT INFORMATION							
STATE GRANTING AGENCY				GRANTEE			
NAME: Richard Hosking				NAME: Dean Bloch			
TITLE: District 5				TITLE: Town Administrator			
PHONE: 655-1580				PHONE: 425-3071			
EMAIL: dick.hosking@vermont.gov				EMAIL: dean@townofcharlotte.com			

ATTACHMENT A

 <h1 style="margin: 0;">VERMONT</h1> <p style="margin: 0;">AGENCY OF TRANSPORTATION</p>	
<h2 style="margin: 0;">FY 2016 Municipal Highway Grant Application</h2>	
APPLYING FOR: <input checked="" type="checkbox"/> Structures <input type="checkbox"/> Class 2 Roadway <input type="checkbox"/> Emergency	
MUNICIPALITY: Charlotte	ADDRESS: P.O. Box 119, Charlotte, VT 05445
MUNICIPAL CONTACT (name): Dean Bloch, Town Administrator	
Phone: 425-3071	E-Mail: dean@townofcharlotte.com
ACCOUNTING SYSTEM: <input checked="" type="checkbox"/> Automated <input type="checkbox"/> Manual <input type="checkbox"/> Combination	
DUNS #: 028700046	Grantee FY End Month (mm format): 06
DISTRICT CONTACT (name): Richard Hosking	
Phone: 654-1722	E-Mail: rick.hosking@state.vt.us
SCOPES OF WORK TO BE PERFORMED BY GRANTEE	
Location of Work. The work described below involves the following town highway structure: TH# <u>14</u> , (Name) <u>Carpenter Road</u> which is a class <u>3</u> town highway. Bridge # <u>30</u> , which crosses the <u>LaPlatte River</u> Culvert # <u> </u> , for which the original size was <u> </u> and the replacement size is <u> </u> Causeway: <u> </u> Retaining Wall: <u> </u>	
Estimated Completion Date: 12/31/2015	
Work to Be Done: Please see attached.	
Detailed Cost Estimate (below or attached): Please see attached.	
Estimated Project Amount: \$ 208,049.00	

Municipality has adopted codes & standards that meet or exceed the State approved template? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Municipality has a current NEM or inventory? (less than 3 years old) <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
Municipality MUST complete the following environmental resource checklist:	
EXISTING STRUCTURES: (check all that apply)	
<input type="checkbox"/> Steel Tube Culvert	<input type="checkbox"/> Concrete Box Culvert
<input type="checkbox"/> Stone Culvert	<input type="checkbox"/> Concrete Bridge
<input type="checkbox"/> Ditch	<input checked="" type="checkbox"/> Rolled Beam/Plate Girder Bridge
<input type="checkbox"/> Metal Truss Bridge	<input type="checkbox"/> Wooden Covered Bridge
<input type="checkbox"/> There are foundation remains, mill ruins, stone walls or other.	<input type="checkbox"/>
<input type="checkbox"/> Stone Abutments or Piers	<input type="checkbox"/> Buildings (over 50 yrs old) within 300 feet of work
PROJECT DESCRIPTION: (check all that apply)	
<input type="checkbox"/> The Project involves engineering/ planning only.	<input type="checkbox"/> The project consists of repaving existing paved surfaces only.
<input type="checkbox"/> The project consists of reestablishing existing ditches only.	<input type="checkbox"/> All work will be done from the existing road or shoulder.
<input type="checkbox"/> The structure is being replaced on existing location/alignment.	<input type="checkbox"/> There will be excavation within 300 feet of a river or stream.
<input type="checkbox"/> There will be excavation within a flood plain.	<input type="checkbox"/> Road reclaiming, reconstruction, or widening
<input type="checkbox"/> Tree cutting / clearing.	<input type="checkbox"/> Temporary off-road access is required.
<input type="checkbox"/> New ditches will be established.	<input type="checkbox"/> The roadway will be realigned.
The municipality has included photos of the Project. Must show infrastructure and surrounding features as much as possible. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	
The municipality has included a detailed Scope of Work. <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	

Below this line to be filled in by VTrans staff:

Recommended Award Amount: \$175,000.00

District Staff Approval: (name) *[Signature]*

Date: 5/8/15

Archaeology Approval: J. Russell B. Gauthier

Date: 6-9-15

Historic Preservation Approval: J. Ehrlich K. O'Shea

Date: 6/9/15

Archology/Historic Preservation Conditions/Comments:

Note:

Projects may involve impacts to protected historic or archaeological resources. For more information, responsible parties are encouraged to contact the individuals listed below:

Jen Russell, VTrans Archaeology Officer,
802-828-3981, jeanrussell@state.vt.us

OR
Brennan Gauthier, VTrans Assistant Archaeologist,
802-828-3965, brennan.gauthier@state.vt.us

Judith Ehrlich, VTrans Historic Preservation Officer,
802-828-1708, judith.ehrlich@state.vt.us

OR
Kaitlin O'Shea, VTrans Historic Preservation Specialist,
802-828-3962, kaitlin.oshea@state.vt.us

Vermont Agency of Transportation

Estimate Charlotte BR30

Estimated Cost: \$208,018.70
Contingency: 0.00%
Estimated Total: \$208,018.70

Base Date: 12/10/14

Spec Year: 11

Unit System: E

Work Type: BRIDGE CONSTRUCTION

Highway Type: LOCAL

Urban/Rural Type: RURAL

Season:

County: CHARLOTTE

Midpoint of Latitude:

Midpoint of Longitude:

District:

Federal/State Project Number:

Prepared by Stanlec

Estimate: Charlotte BR30

Vermont Agency of Transportation

<u>Line #</u>	<u>Item Number</u>	<u>Quantity</u>	<u>Units</u>	<u>Unit Price</u>	<u>Extension</u>
	<u>Description</u>				
	<u>Supplemental Description</u>				
SPECIAL PROVISION					
0155	900.680	63.000	TON	\$165.00000	\$10,395.00
	SPECIAL PROVISION				

Total for Group 0001:\$208,018.70



Stantec

BRIDGE REHABILITATION PROJECT TOWN OF CHARLOTTE, VERMONT BRIDGE 30

PROJECT LOCATION

THIS PROJECT IS LOCATED ON THIRK CREEPER ROAD, 0.1 MILES EAST OF THE INTERSECTION WITH THE STATE ROUTE 101A ROAD.

PROJECT SCOPE

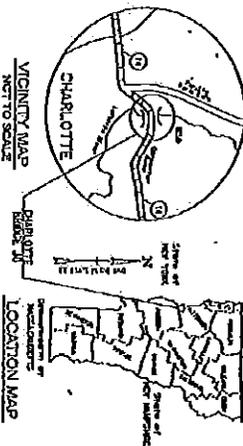
SUPERSTRUCTURE REMOVE AND REPLACE EXISTING BRIDGE DECK CURB AND RAILING. NEW DECK WILL BE POURED (WEBER) AT THE WEST END.
EAST ABUTMENT: REPAIR EXISTING CONCRETE SURVIVALS AND CLEAN AND GREASE EXISTING BEARINGS.
WEST ABUTMENT: PARTIAL REMOVAL OF EXISTING BEAM SEAT AND REPAIRS/REPLACEMENTS TO BEAM SEAT. SOME OF EXISTING BRIDGE BEARINGS, INCLUDING EXISTING BLOCK WALLS AND WINDSHIELDS TO BE DEMOLISHED. RELATED APPROACH WORK.

DRAFT

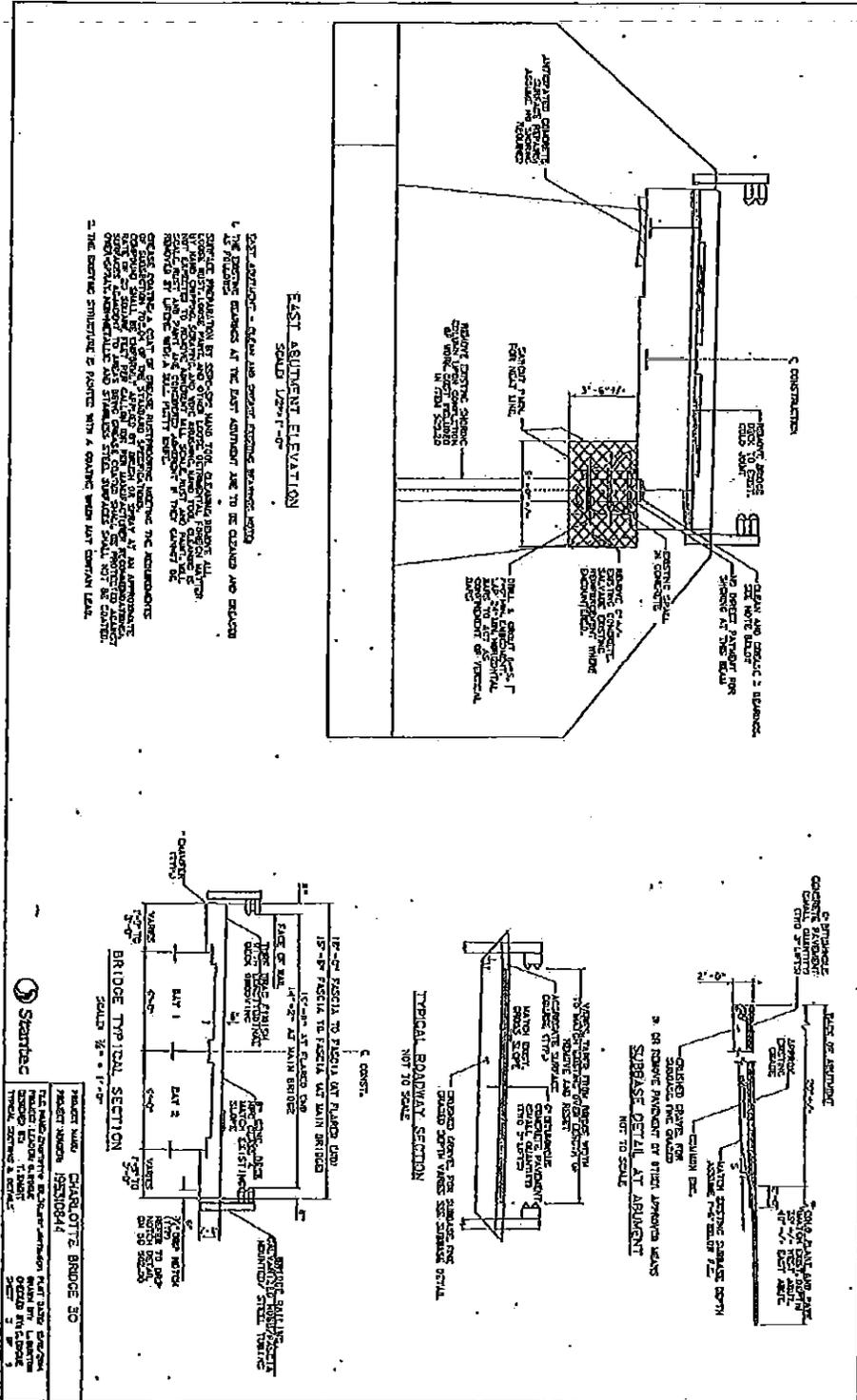
12/18/2014

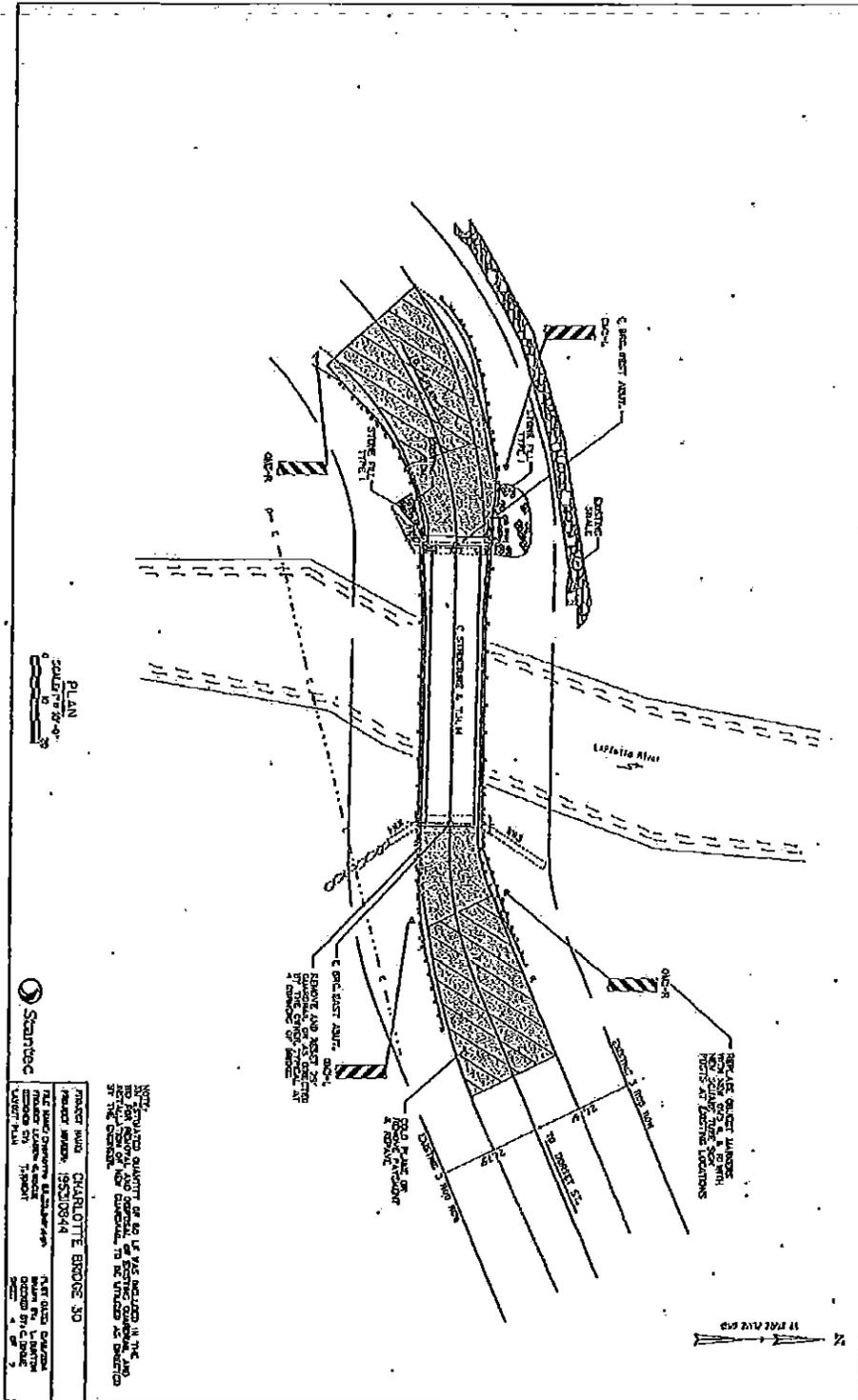
Final Plans

Project Number: 195310844



TOWN ADMINISTRATOR
DEAN BLOCH



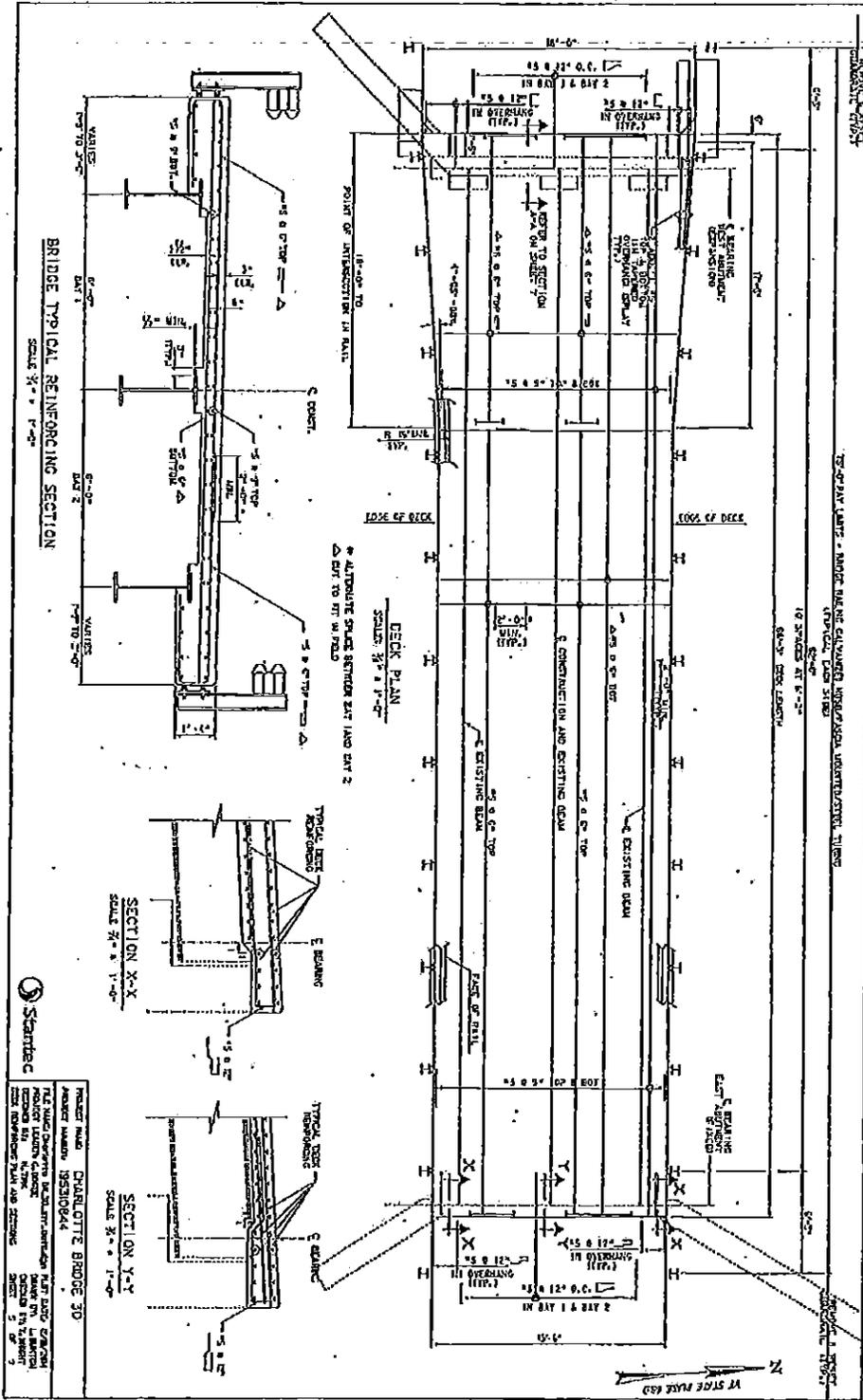


PLAN
SCALE 1" = 20'-0"



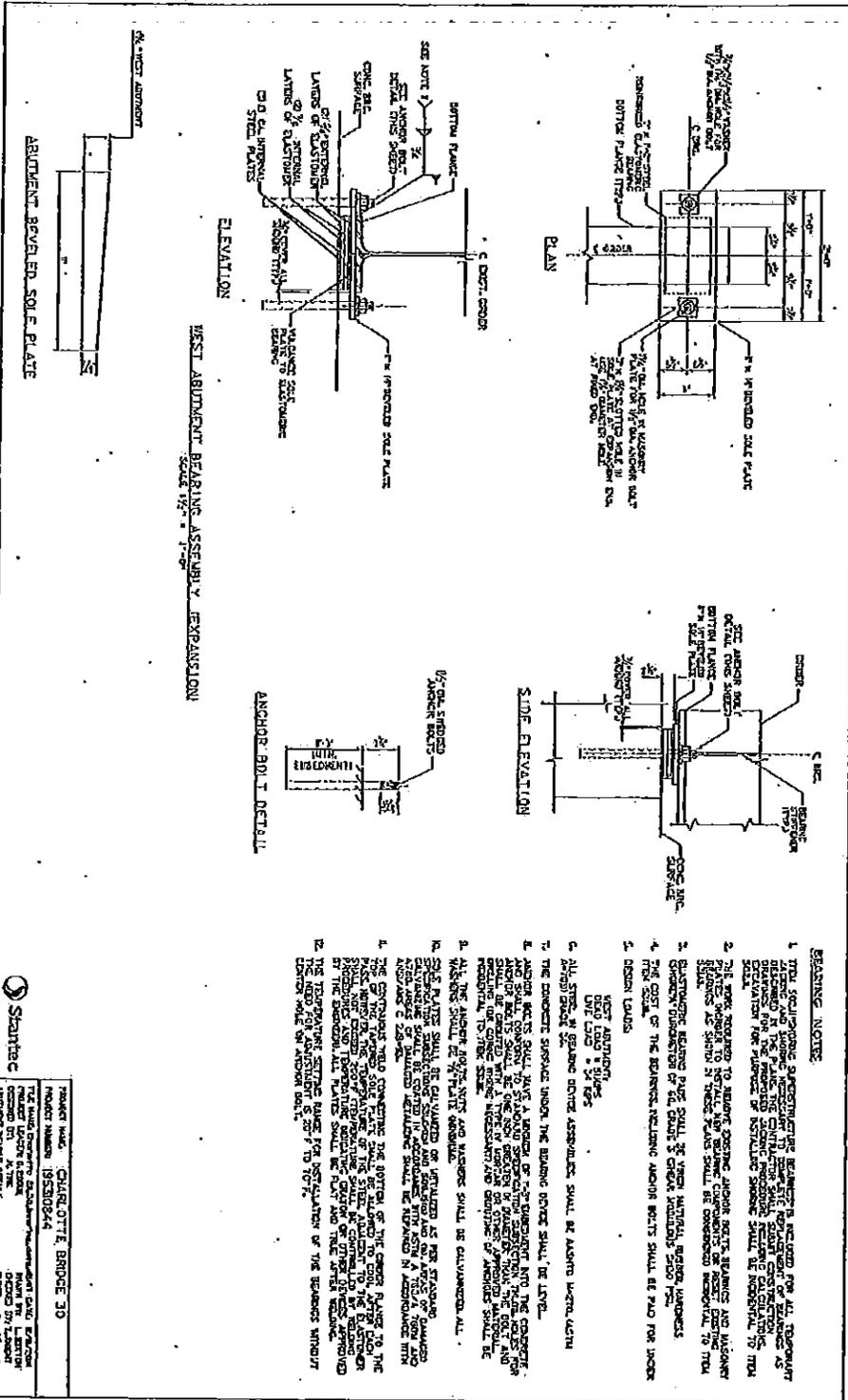
NOTED QUANTITY OF SO. LT. WAS INCREASED IN THE
 ROADWAY AND GENERAL CONTRACT DOCUMENTS AND
 THE ROADWAY AND GENERAL CONTRACT DOCUMENTS
 BY THE DESIGNER.

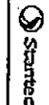
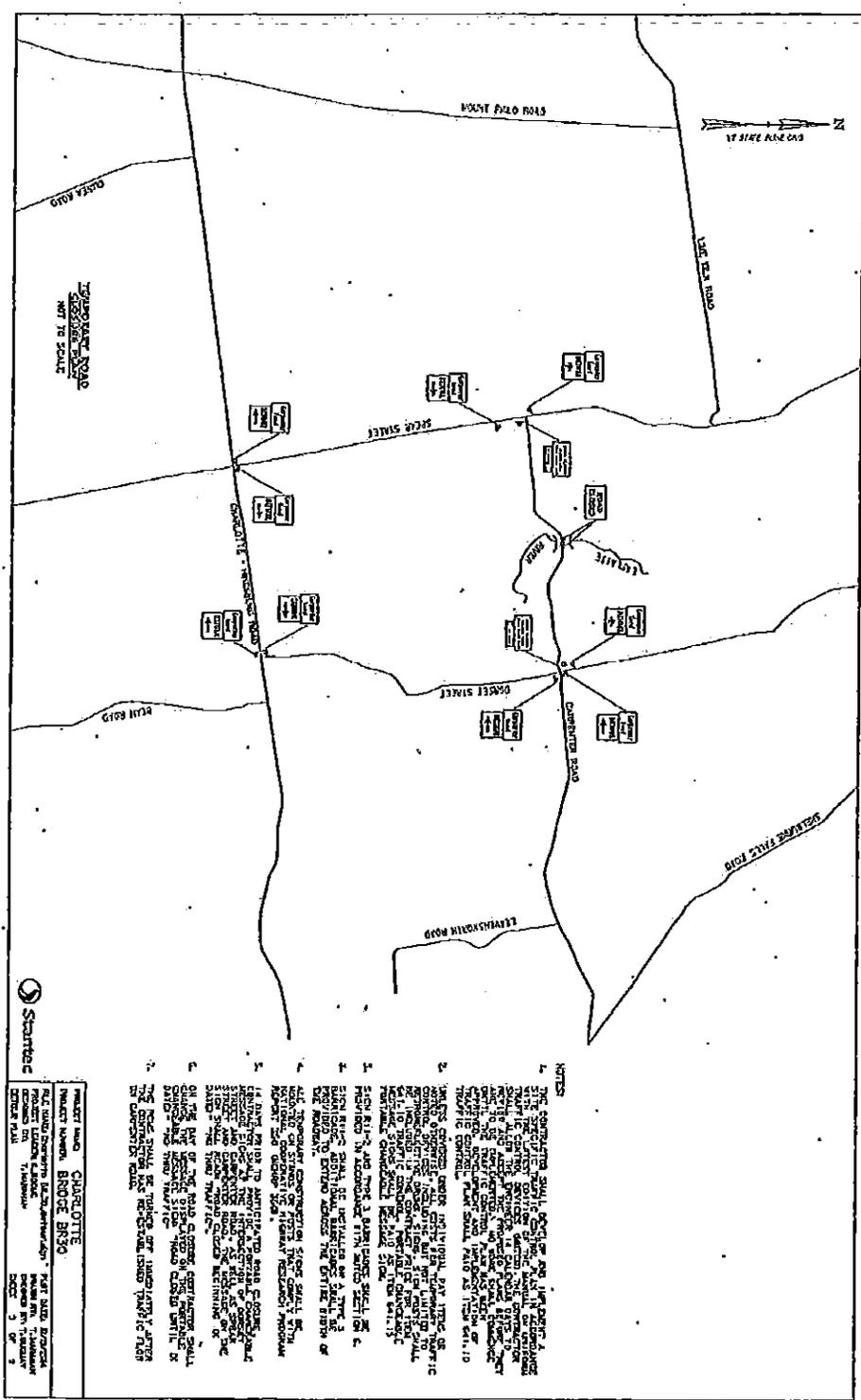
Project No. CHARLOTTE BRIDGE 30
 Designer: 95210844
 THE HUNT GROUP INC. 15000 W. HUNTERS BLVD. SUITE 100
 CHARLOTTE, NC 28228
 DATE QUANT. CHECKED
 BY: L. B. BROWN
 CHECKED BY: C. BROWN
 1/15/08



PROJECT NAME:	CHAULOTTE BRIDGE 30
PROJECT NUMBER:	1833004N
DESIGNED BY:	MAITLAND CONSULTANTS
CHECKED BY:	N. J. ...
DATE:	...
SCALE:	...
SHEET:	5 OF 5



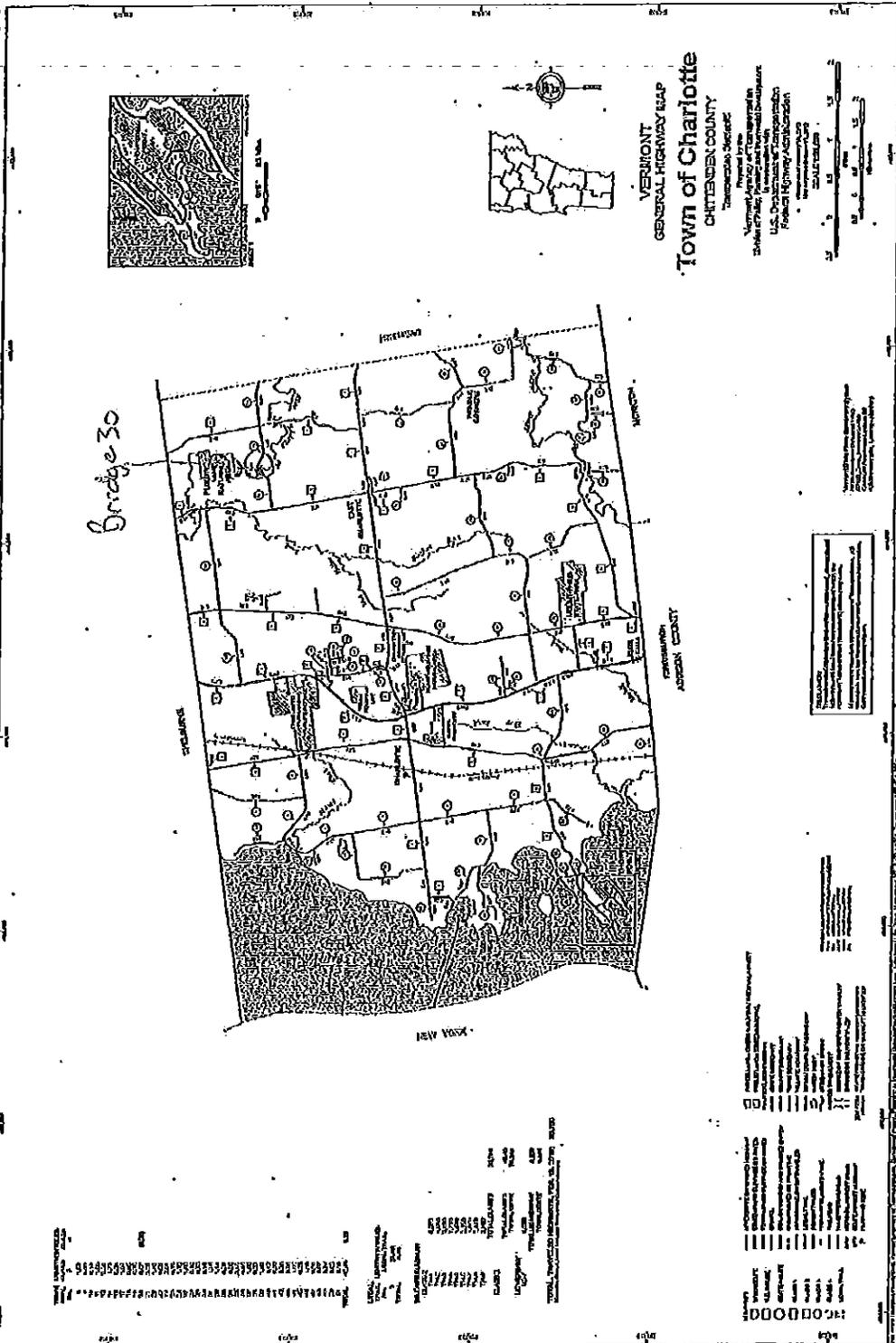




- NOTES
1. THE CONTRACTOR SHALL DESIGN AND CONSTRUCT THE BRIDGE AND OVERPASS STRUCTURES TO BE SHOWN ON THESE PLANS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES AND OVERPASS STRUCTURES, LATEST EDITION, AS ADOPTED BY THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, AND THE STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES AND OVERPASS STRUCTURES, LATEST EDITION, AS ADOPTED BY THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION, AND THE STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES AND OVERPASS STRUCTURES, LATEST EDITION, AS ADOPTED BY THE NORTH CAROLINA DEPARTMENT OF TRANSPORTATION.
 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES.
 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES.
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 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES.
 10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES AND AGENCIES.

PROJECT NAME: CHARLOTTE
 PROJECT NUMBER: BRIDGE 8830
 PROJECT LOCATION: ...
 DRAWN BY: ...
 CHECKED BY: ...
 DATE: ...

CHARLOTTE, CHITTENDEN COUNTY - 2013



<p>INCREASE VERTICAL CLEARANCE TO 7' BY REDUCING SIGN HEIGHT OR BY INCREASING SIGN SPACING.</p> <p>IF SPACING OF SIGNPOSTS IS LIMITED BY AVAILABLE WIDTHS, CONSIDER REDUCING SIGN HEIGHT TO 6'-0\"/> </p>	<p>INCREASE VERTICAL CLEARANCE TO 7' BY REDUCING SIGN HEIGHT OR BY INCREASING SIGN SPACING.</p> <p>IF SPACING OF SIGNPOSTS IS LIMITED BY AVAILABLE WIDTHS, CONSIDER REDUCING SIGN HEIGHT TO 6'-0\"/> </p>	<p>NOTES:</p> <ol style="list-style-type: none"> 1. IN SIGN AREA, USE USUAL CLEARANCE OF A SIGNPOST SHALL BE MAINTAINED. 2. THE SIGN SHALL BE PLACED IN THE CENTER OF THE ROADWAY. 3. THE SIGN SHALL BE PLACED IN THE CENTER OF THE ROADWAY. 4. THE SIGN SHALL BE PLACED IN THE CENTER OF THE ROADWAY.
<p>TO MAKE A SIDE WALKING OR VANDAL PROOF SHALL BE USED.</p> <p>TO MAKE A SIDE WALKING OR VANDAL PROOF SHALL BE USED.</p>	<p>TO MAKE A SIDE WALKING OR VANDAL PROOF SHALL BE USED.</p> <p>TO MAKE A SIDE WALKING OR VANDAL PROOF SHALL BE USED.</p>	<p>NOTES:</p> <ol style="list-style-type: none"> 1. IN SIGN AREA, USE USUAL CLEARANCE OF A SIGNPOST SHALL BE MAINTAINED. 2. THE SIGN SHALL BE PLACED IN THE CENTER OF THE ROADWAY. 3. THE SIGN SHALL BE PLACED IN THE CENTER OF THE ROADWAY. 4. THE SIGN SHALL BE PLACED IN THE CENTER OF THE ROADWAY.
<p>LEGAL LOAD LIMIT AND STOP SIGNS AT INTERSECTIONS WITH TOWN HIGHWAYS</p>	<p>SIGNS ON MEDIAN ISLANDS IN THE LINE OF TRAFFIC</p>	<p>NOTES:</p> <ol style="list-style-type: none"> 1. IN SIGN AREA, USE USUAL CLEARANCE OF A SIGNPOST SHALL BE MAINTAINED. 2. THE SIGN SHALL BE PLACED IN THE CENTER OF THE ROADWAY. 3. THE SIGN SHALL BE PLACED IN THE CENTER OF THE ROADWAY. 4. THE SIGN SHALL BE PLACED IN THE CENTER OF THE ROADWAY.
<p>STANDARD SIGN PLACEMENT CONVENTIONAL ROAD</p> <p>STANDARD E-121</p> <p>APPROVED</p> <p>REVISIONS AND CORRECTIONS</p> <p>DATE: 11/11/11</p>		

GENERAL NOTES

1. THE VEHICLE DETECTOR LOOP SHALL BE INSTALLED IN THE CENTER OF THE ROADWAY TO BE MONITORED BY THE DETECTOR UNIT.
2. THE DETECTOR UNIT SHALL BE INSTALLED IN THE CENTER OF THE ROADWAY TO BE MONITORED BY THE DETECTOR UNIT.
3. THE DETECTOR UNIT SHALL BE INSTALLED IN THE CENTER OF THE ROADWAY TO BE MONITORED BY THE DETECTOR UNIT.
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9. THE DETECTOR UNIT SHALL BE INSTALLED IN THE CENTER OF THE ROADWAY TO BE MONITORED BY THE DETECTOR UNIT.
10. THE DETECTOR UNIT SHALL BE INSTALLED IN THE CENTER OF THE ROADWAY TO BE MONITORED BY THE DETECTOR UNIT.

CONDUCTOR TABLE

CONDUCTOR	RESISTANCE	INDUCTIVE REACTANCE	CAPACITIVE REACTANCE	IMPEDANCE
100 FT. OF 18 AWG. COPPER WIRE	0.0015	0.0001	0.0001	0.0015
100 FT. OF 20 AWG. COPPER WIRE	0.0025	0.0001	0.0001	0.0025
100 FT. OF 22 AWG. COPPER WIRE	0.0040	0.0001	0.0001	0.0040
100 FT. OF 24 AWG. COPPER WIRE	0.0065	0.0001	0.0001	0.0065
100 FT. OF 26 AWG. COPPER WIRE	0.0105	0.0001	0.0001	0.0105
100 FT. OF 28 AWG. COPPER WIRE	0.0165	0.0001	0.0001	0.0165
100 FT. OF 30 AWG. COPPER WIRE	0.0250	0.0001	0.0001	0.0250
100 FT. OF 32 AWG. COPPER WIRE	0.0375	0.0001	0.0001	0.0375
100 FT. OF 34 AWG. COPPER WIRE	0.0560	0.0001	0.0001	0.0560
100 FT. OF 36 AWG. COPPER WIRE	0.0825	0.0001	0.0001	0.0825
100 FT. OF 38 AWG. COPPER WIRE	0.1200	0.0001	0.0001	0.1200
100 FT. OF 40 AWG. COPPER WIRE	0.1725	0.0001	0.0001	0.1725
100 FT. OF 42 AWG. COPPER WIRE	0.2500	0.0001	0.0001	0.2500
100 FT. OF 44 AWG. COPPER WIRE	0.3600	0.0001	0.0001	0.3600
100 FT. OF 46 AWG. COPPER WIRE	0.5250	0.0001	0.0001	0.5250
100 FT. OF 48 AWG. COPPER WIRE	0.7500	0.0001	0.0001	0.7500
100 FT. OF 50 AWG. COPPER WIRE	1.0500	0.0001	0.0001	1.0500
100 FT. OF 52 AWG. COPPER WIRE	1.4500	0.0001	0.0001	1.4500
100 FT. OF 54 AWG. COPPER WIRE	2.0000	0.0001	0.0001	2.0000
100 FT. OF 56 AWG. COPPER WIRE	2.7500	0.0001	0.0001	2.7500
100 FT. OF 58 AWG. COPPER WIRE	3.7500	0.0001	0.0001	3.7500
100 FT. OF 60 AWG. COPPER WIRE	5.0000	0.0001	0.0001	5.0000
100 FT. OF 62 AWG. COPPER WIRE	6.7500	0.0001	0.0001	6.7500
100 FT. OF 64 AWG. COPPER WIRE	9.0000	0.0001	0.0001	9.0000
100 FT. OF 66 AWG. COPPER WIRE	12.0000	0.0001	0.0001	12.0000
100 FT. OF 68 AWG. COPPER WIRE	16.0000	0.0001	0.0001	16.0000
100 FT. OF 70 AWG. COPPER WIRE	21.0000	0.0001	0.0001	21.0000
100 FT. OF 72 AWG. COPPER WIRE	28.0000	0.0001	0.0001	28.0000
100 FT. OF 74 AWG. COPPER WIRE	37.0000	0.0001	0.0001	37.0000
100 FT. OF 76 AWG. COPPER WIRE	49.0000	0.0001	0.0001	49.0000
100 FT. OF 78 AWG. COPPER WIRE	64.0000	0.0001	0.0001	64.0000
100 FT. OF 80 AWG. COPPER WIRE	84.0000	0.0001	0.0001	84.0000
100 FT. OF 82 AWG. COPPER WIRE	110.0000	0.0001	0.0001	110.0000
100 FT. OF 84 AWG. COPPER WIRE	144.0000	0.0001	0.0001	144.0000
100 FT. OF 86 AWG. COPPER WIRE	188.0000	0.0001	0.0001	188.0000
100 FT. OF 88 AWG. COPPER WIRE	254.0000	0.0001	0.0001	254.0000
100 FT. OF 90 AWG. COPPER WIRE	336.0000	0.0001	0.0001	336.0000
100 FT. OF 92 AWG. COPPER WIRE	444.0000	0.0001	0.0001	444.0000
100 FT. OF 94 AWG. COPPER WIRE	588.0000	0.0001	0.0001	588.0000
100 FT. OF 96 AWG. COPPER WIRE	774.0000	0.0001	0.0001	774.0000
100 FT. OF 98 AWG. COPPER WIRE	1014.0000	0.0001	0.0001	1014.0000
100 FT. OF 100 AWG. COPPER WIRE	1326.0000	0.0001	0.0001	1326.0000

REVISIONS AND CORRECTIONS

REVISION 1 - DATE OF REVISION: 10/1/72

REVISION 2 - DATE OF REVISION: 10/1/72

REVISION 3 - DATE OF REVISION: 10/1/72

REVISION 4 - DATE OF REVISION: 10/1/72

REVISION 5 - DATE OF REVISION: 10/1/72

REVISION 6 - DATE OF REVISION: 10/1/72

REVISION 7 - DATE OF REVISION: 10/1/72

REVISION 8 - DATE OF REVISION: 10/1/72

REVISION 9 - DATE OF REVISION: 10/1/72

REVISION 10 - DATE OF REVISION: 10/1/72

VEHICLE DETECTOR LOOP LAYOUT

STRUCTURE INSPECTION, INVENTORY and APPRAISAL SHEET		
<i>Vermont Agency of Transportation ~ Structures Section ~ Bridge Management and Inspection Unit</i>		
Inspection Report for: CHARLOTTE	Bridge No.: 00030	District: 5
Located on: C3014 over LAPLATE RIVER	approximately 0.52 MI TO JCT W CL2	Owner: TOWN-OWNED

CONDITION

Deck Rating: **5 FAIR**
 Superstructure Rating: **6 SATISFACTORY**
 Substructure Rating: **5 FAIR**
 Channel Rating: **8 VERY GOOD**
 Culvert Rating: **N NOT APPLICABLE**
 Federal Str. Number: **100404003004041**
 Federal Sufficiency Rating: **40.7**
 Deficiency Status of Structure: **FD**

STRUCTURE TYPE and MATERIALS

Bridge Type: **ROLLED BEAM**
 Number of Approach Spans: **0000** Number of Main Spans: **001**
 Kind of Material and/or Design: **3 STEEL**
 Deck Structure Type: **1 CONCRETE CIP**
 Type of Wearing Surface: **6 BITUMINOUS**
 Type of Membrane: **0 NONE**
 Deck Protection: **0 NONE**

AGE and SERVICE

Year Built: **1956** Year Reconstructed: **0000**
 Service On: **1 HIGHWAY**
 Service Under: **5 WATERWAY**
 Lanes On the Structure: **01**
 Lanes Under the Structure: **00**
 Bypass, Detour Length (miles): **05**
 ADT: **000250** % Truck ADT: **03**
 Year of ADT: **2007**

APPRAISAL AS COMPARED TO FEDERAL STANDARDS

Bridge Rating: **0 DOES NOT MEET CURRENT STANDARD**
 Transition: **0 DOES NOT MEET CURRENT STANDARD**
 Approach Guardrail: **1 MEETS CURRENT STANDARD**
 Approach Guardrail Ends: **1 MEETS CURRENT STANDARD**
 Structural Evaluation: **4 MEETS MINIMUM TOLERABLE CRITERIA**
 Deck Geometry: **2 INTOLERABLE REPLACEMENT NEEDED**
 Underclearances Vertical and Horizontal: **N NOT APPLICABLE**

Waterway Adequacy: **7 SLIGHT CHANCE OF OVERTOPPING BRIDGE & ROADWAY**

Approach Roadway Alignment: **3 INTOLERABLE, CORRECTIVE ACTION NEEDED**

Scour Critical Bridges: **8 STABLE FOR SCOUR**

GEOMETRIC DATA

Length of Maximum Span (ft): **0064**
 Structure Length (ft): **000066**
 L1 Curb/Sidewalk Width (ft): **0**
 R1 Curb/Sidewalk Width (ft): **0.4**
 Bridge Rdwy Width Curb-to-Curb (ft): **14.6**
 Deck Width Out-to-Out (ft): **15**
 Appr. Roadway Width (ft): **018**
 Skew: **00**
 Bridge Median: **0 NO MEDIAN**
 Min Vertical Clr Over (ft): **99 FT 99 IN**
 Feature Under: **FEATURE NOT A HIGHWAY OR RAILROAD**
 Min Vertical Underclr (ft): **00 FT 00 IN**

DESIGN VEHICLE, RATING and POSTING

Load Rating Method (Inv): **2 ALLOWABLE STRESS (AS)**
 Posting Status: **A OPEN, NO RESTRICTION**
 Bridge Posting: **5 NO POSTING REQUIRED**
 Load Posting: **10 NO LOAD POSTING SIGNS ARE NEEDED**
 Posted Vehicles: **POSTING NOT REQUIRED**
 Posted Weight (tons):
 Design Load: **2 H15**

INSPECTION X-Ref. Route:
 Insp. Date: **09/2013** Insp. Freq. (months): **24** X-Ref. Br Num:

INSPECTION SUMMARY and NEEDS

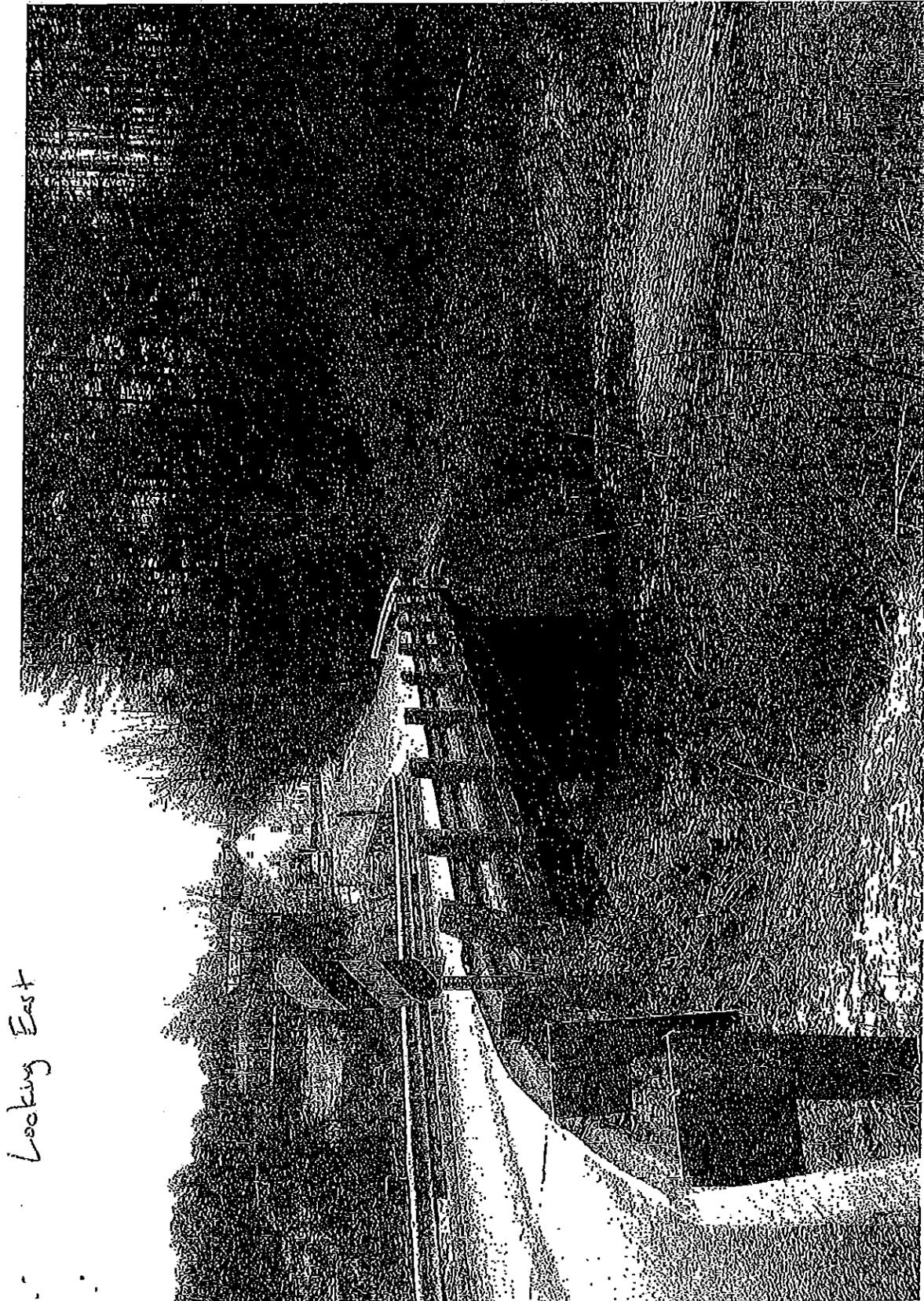
9/9/2013 Gully beam fall on abutment #2 downstream side should be repaired. Concrete post on abutment #2 side should be repaired. Beam should be cleaned and painted in the near future. Spalling on the downstream fascia should be cleaned and patched along with the delam in the seat area on abutment #1 fascia beam. -FRESJH

9/22/2011 The deck is in fair condition. The bench at abutment #1 upstream side needs repair. The bridge guardrail post at abutment 2 right end needs repair along with the approach guardrail. The beams need a extensive cleaning and then paint. -DCP/FRB

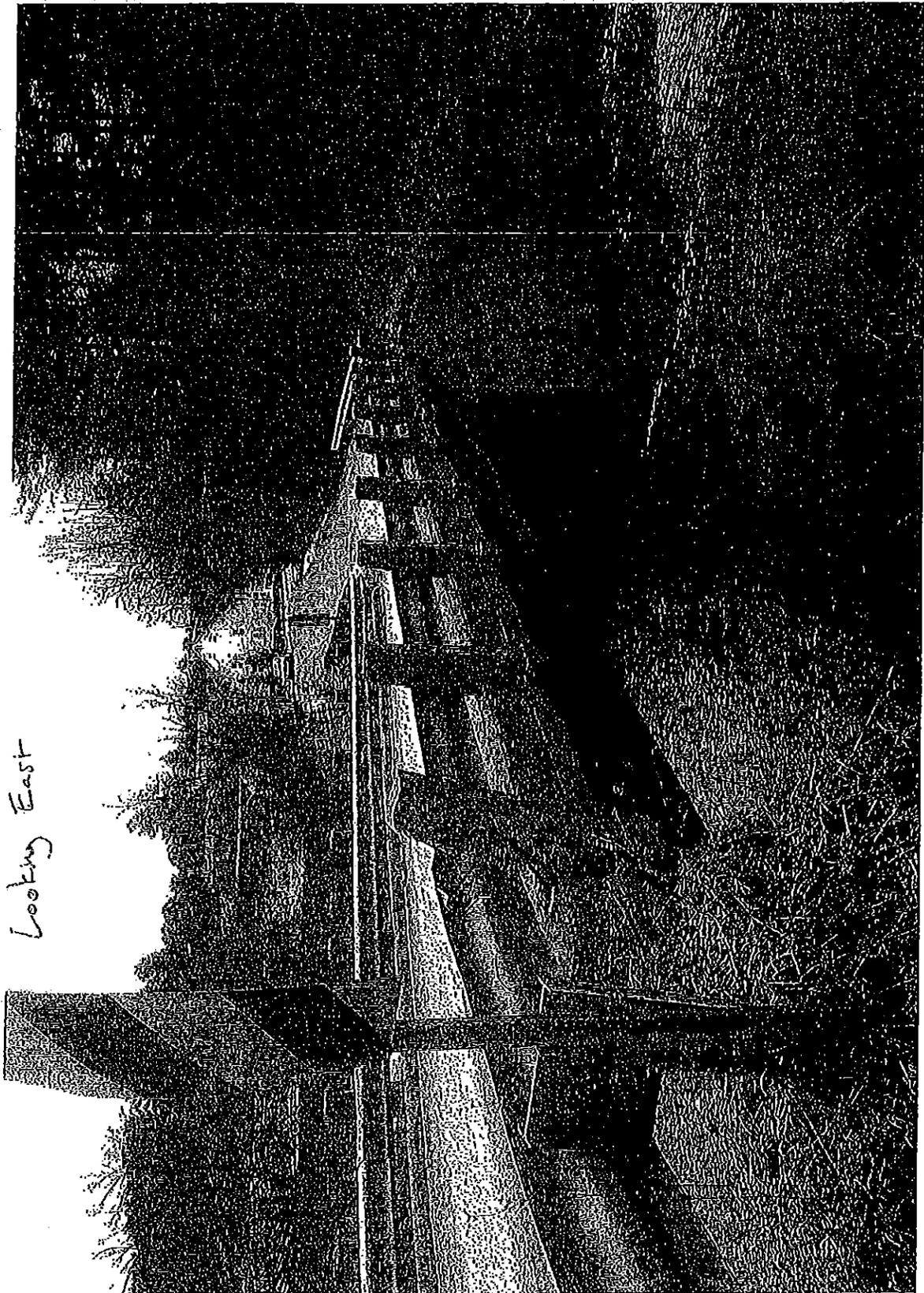
Norbury Profile



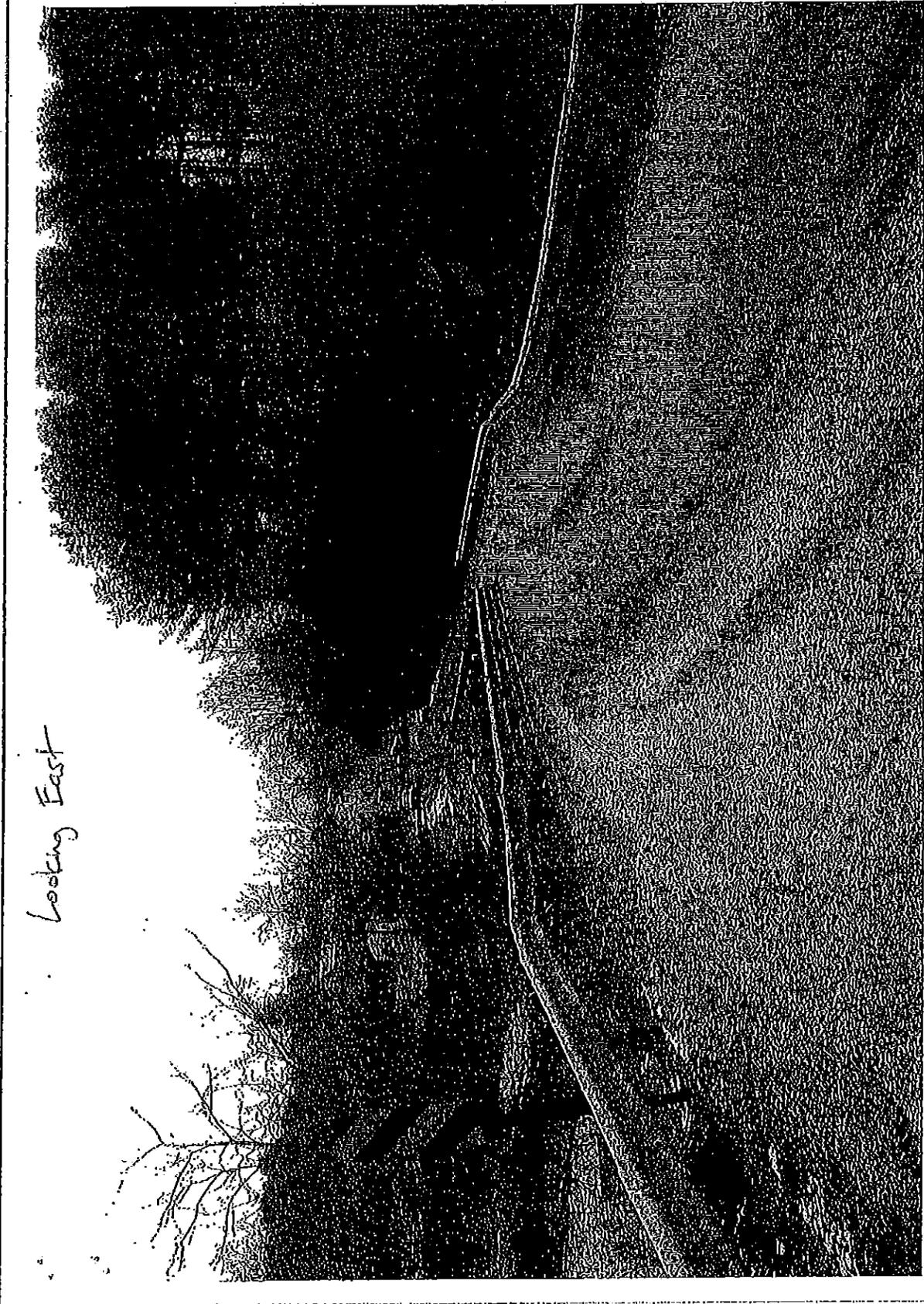


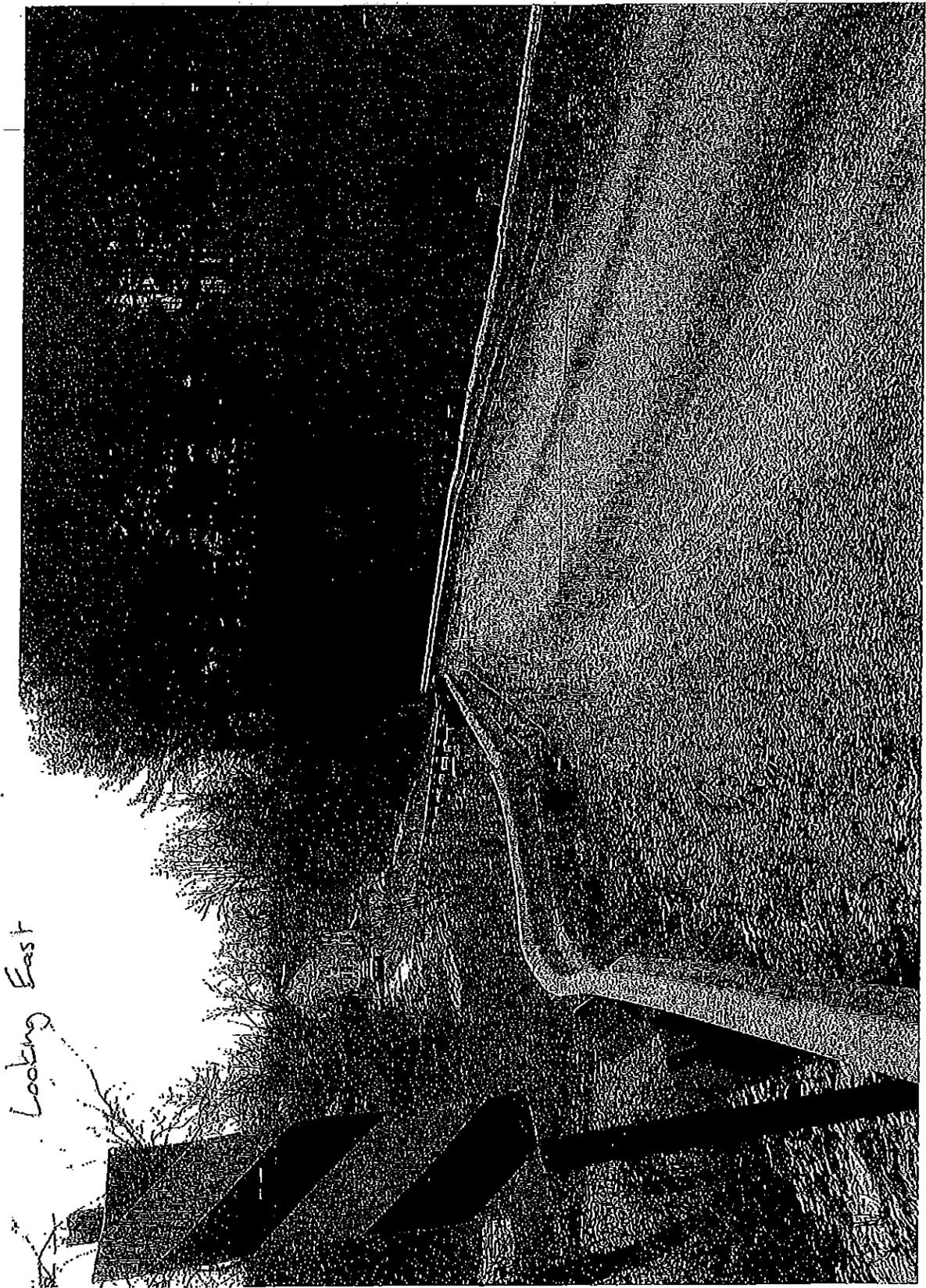


Looking East

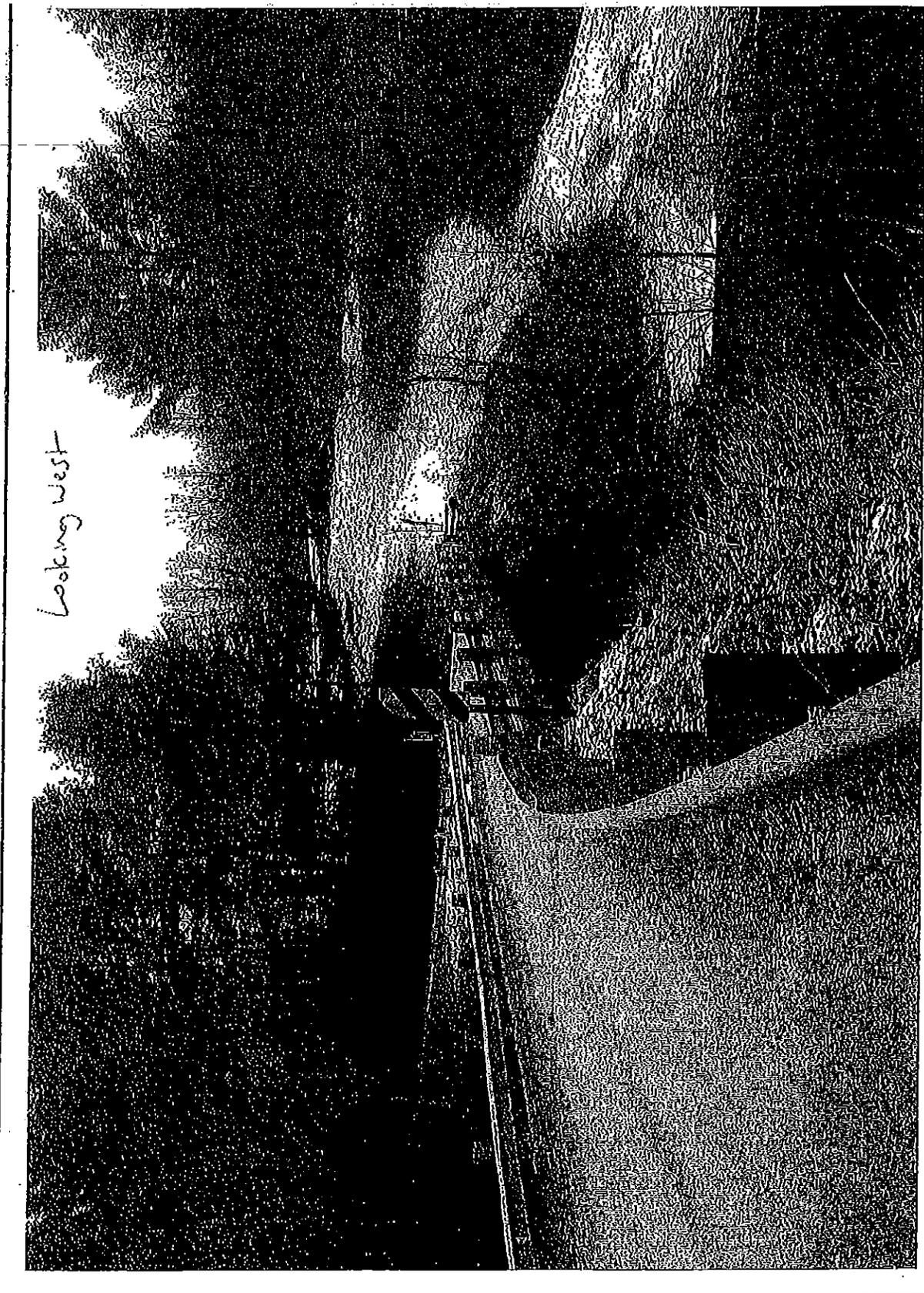


Looking East





Looking East





Looking West

**ATTACHMENT B
PAYMENT PROVISIONS**

The State agrees to compensate the Grantee for services performed up to the total award amount stated on the Grant Agreement Part 1 – Grant Award Detail of this Grant Agreement provided such services are within the scope of the Grant and are authorized as provided for under the terms and conditions of this Grant.

A close out report must also be submitted within 45 days of the project completion or end date of the Grant, whichever is first, documenting that the project has been completed and accepted by the Grantee (this is also on the VTrans TA65 form).

If the project is not completed before the end date of the Grant, the Grantee will have no claim for reimbursement under this Grant Agreement.

All completed forms should be submitted to:

Name: Richard Hosking
Title: District Project Manager
Address: Vermont Agency of Transportation
District 5
189 Troy Avenue
Colchester, Vermont 05446

**ATTACHMENT C: STANDARD STATE PROVISIONS
FOR CONTRACTS AND GRANTS**

1. **Entire Agreement:** This Agreement, whether in the form of a Contract, State Funded Grant, or Federally Funded Grant, represents the entire agreement between the parties on the subject matter. All prior agreements, representations, statements, negotiations, and understandings shall have no effect.
2. **Applicable Law:** This Agreement will be governed by the laws of the State of Vermont.
3. **Definitions:** For purposes of this Attachment, "Party" shall mean the Contractor, Grantee or Subrecipient, with whom the State of Vermont is executing this Agreement and consistent with the form of the Agreement.
4. **Appropriations:** If this Agreement extends into more than one fiscal year of the State (July 1 to June 30), and if appropriations are insufficient to support this Agreement, the State may cancel at the end of the fiscal year, or otherwise upon the expiration of existing appropriation authority. In the case that this Agreement is a Grant that is funded in whole or in part by federal funds, and in the event federal funds become unavailable or reduced, the State may suspend or cancel this Grant immediately, and the State shall have no obligation to pay Subrecipient from State revenues.
5. **No Employee Benefits For Party:** The Party understands that the State will not provide any individual retirement benefits, group life insurance, group health and dental insurance, vacation or sick leave, workers compensation or other benefits or services available to State employees, nor will the state withhold any state or federal taxes except as required under applicable tax laws, which shall be determined in advance of execution of the Agreement. The Party understands that all tax returns required by the Internal Revenue Code and the State of Vermont, including but not limited to income, withholding, sales and use, and rooms and meals, must be filed by the Party, and information as to Agreement income will be provided by the State of Vermont to the Internal Revenue Service and the Vermont Department of Taxes.
6. **Independence, Liability:** The Party will act in an independent capacity and not as officers or employees of the State.

The Party shall defend the State and its officers and employees against all claims or suits arising in whole or in part from any act or omission of the Party or of any agent of the Party. The State shall notify the Party in the event of any such claim or suit, and the Party shall immediately retain counsel and otherwise provide a complete defense against the entire claim or suit.

After a final judgment or settlement the Party may request recoupment of specific defense costs and may file suit in Washington Superior Court requesting recoupment. The Party shall be entitled to recoup costs only upon a showing that such costs were entirely unrelated to the defense of any claim arising from an act or omission of the Party.

The Party shall indemnify the State and its officers and employees in the event that the State, its officers or employees become legally obligated to pay any damages or losses arising from any act or omission of the Party.
7. **Insurance:** Before commencing work on this Agreement the Party must provide certificates of insurance to show that the following minimum coverages are in effect. It is the responsibility of the Party to maintain current certificates of insurance on file with the state through the term of the Agreement. No warranty is made that the coverages and limits listed

herein are adequate to cover and protect the interests of the Party for the Party's operations. These are solely minimums that have been established to protect the interests of the State.

Workers Compensation: With respect to all operations performed, the Party shall carry workers' compensation insurance in accordance with the laws of the State of Vermont.

General Liability and Property Damage: With respect to all operations performed under the contract, the Party shall carry general liability insurance having all major divisions of coverage including, but not limited to:

- Premises - Operations
- Products and Completed Operations
- Personal Injury Liability
- Contractual Liability

The policy shall be on an occurrence form and limits shall not be less than:

- \$1,000,000 Per Occurrence
- \$1,000,000 General Aggregate
- \$1,000,000 Products/Completed Operations Aggregate
- \$ 50,000 Fire/ Legal/Liability

Party shall name the State of Vermont and its officers and employees as additional insureds for liability arising out of this Agreement.

Automotive Liability: The Party shall carry automotive liability insurance covering all motor vehicles, including hired and non-owned coverage, used in connection with the Agreement. Limits of coverage shall not be less than: \$1,000,000 combined single limit.

Party shall name the State of Vermont and its officers and employees as additional insureds for liability arising out of this Agreement.

- 8. **Reliance by the State on Representations:** All payments by the State under this Agreement will be made in reliance upon the accuracy of all prior representations by the Party, including but not limited to bills, invoices, progress reports and other proofs of work.
- 9. **Requirement to Have a Single Audit:** In the case that this Agreement is a Grant that is funded in whole or in part by federal funds, the Subrecipient will complete the Subrecipient Annual Report annually within 45 days after its fiscal year end, informing the State of Vermont whether or not a Single Audit is required for the prior fiscal year. If a Single Audit is required, the Subrecipient will submit a copy of the audit report to the granting Party within 9 months. If a single audit is not required, only the Subrecipient Annual Report is required.

For fiscal years ending before December 25, 2015, a Single Audit is required if the subrecipient expends \$500,000 or more in federal assistance during its fiscal year and must be conducted in accordance with OMB Circular A-133. For fiscal years ending on or after December 25, 2015, a Single Audit is required if the subrecipient expends \$750,000 or more in federal assistance during its fiscal year and must be conducted in accordance with 2 CFR Chapter I, Chapter II, Part 200, Subpart F. The Subrecipient Annual Report is required to be submitted within 45 days, whether or not a Single Audit is required.

- 10. **Records Available for Audit:** The Party shall maintain all records pertaining to performance under this agreement. "Records" means any written or recorded information, regardless of physical form or characteristics, which is produced or acquired by the Party in

the performance of this agreement. Records produced or acquired in a machine readable electronic format shall be maintained in that format. The records described shall be made available at reasonable times during the period of the Agreement and for three years thereafter or for any period required by law for inspection by any authorized representatives of the State or Federal Government. If any litigation, claim, or audit is started before the expiration of the three year period, the records shall be retained until all litigation, claims or audit findings involving the records have been resolved.

11. Fair Employment Practices and Americans with Disabilities Act: Party agrees to comply with the requirement of Title 21 V.S.A. Chapter 5, Subchapter 6, relating to fair employment practices, to the full extent applicable. Party shall also ensure, to the full extent required by the Americans with Disabilities Act of 1990, as amended, that qualified individuals with disabilities receive equitable access to the services, programs, and activities provided by the Party under this Agreement. Party further agrees to include this provision in all subcontracts.

12. Set Off: The State may set off any sums which the Party owes the State against any sums due the Party under this Agreement; provided, however, that any set off of amounts due the State of Vermont as taxes shall be in accordance with the procedures more specifically provided hereinafter.

13. Taxes Due to the State:

- a. Party understands and acknowledges responsibility, if applicable, for compliance with State tax laws, including income tax withholding for employees performing services within the State, payment of use tax on property used within the State, corporate and/or personal income tax on income earned within the State.
- b. Party certifies under the pains and penalties of perjury that, as of the date the Agreement is signed, the Party is in good standing with respect to, or in full compliance with, a plan to pay any and all taxes due the State of Vermont.
- c. Party understands that final payment under this Agreement may be withheld if the Commissioner of Taxes determines that the Party is not in good standing with respect to or in full compliance with a plan to pay any and all taxes due to the State of Vermont.
- d. Party also understands the State may set off taxes (and related penalties, interest and fees) due to the State of Vermont, but only if the Party has failed to make an appeal within the time allowed by law, or an appeal has been taken and finally determined and the Party has no further legal recourse to contest the amounts due.

14. Child Support: (Applicable if the Party is a natural person, not a corporation or partnership.) Party states that, as of the date the Agreement is signed, he/she:

- a. is not under any obligation to pay child support; or
- b. is under such an obligation and is in good standing with respect to that obligation; or
- c. has agreed to a payment plan with the Vermont Office of Child Support Services and is in full compliance with that plan.

Party makes this statement with regard to support owed to any and all children residing in Vermont. In addition, if the Party is a resident of Vermont, Party makes this statement with regard to support owed to any and all children residing in any other state or territory of the United States.

- 15. Sub-Agreements:** Party shall not assign, subcontract or subgrant the performance of this Agreement or any portion thereof to any other Party without the prior written approval of the State. Party also agrees to include in all subcontract or subgrant agreements a tax certification in accordance with paragraph 13 above.
- 16. No Gifts or Gratuities:** Party shall not give title or possession of any thing of substantial value (including property, currency, travel and/or education programs) to any officer or employee of the State during the term of this Agreement.
- 17. Copies:** All written reports prepared under this Agreement will be printed using both sides of the paper.
- 18. Certification Regarding Debarment:** Party certifies under pains and penalties of perjury that, as of the date that this Agreement is signed, neither Party nor Party's principals (officers, directors, owners, or partners) are presently debarred, suspended, proposed for debarment, declared ineligible or excluded from participation in federal programs, or programs supported in whole or in part by federal funds.
- Party further certifies under pains and penalties of perjury that, as of the date that this Agreement is signed, Party is not presently debarred, suspended, nor named on the State's debarment list at: <http://bgs.vermont.gov/purchasing/debarment>
- 19. Certification Regarding Use of State Funds:** In the case that Party is an employer and this Agreement is a State Funded Grant in excess of \$1,001, Party certifies that none of these State funds will be used to interfere with or restrain the exercise of Party's employee's rights with respect to unionization.
- 20. Internal Controls:** In the case that this Agreement is an award that is funded in whole or in part by Federal funds, in accordance with 2 CFR Part II, §200.303, the Party must establish and maintain effective internal control over the Federal award to provide reasonable assurance that the Party is managing the Federal award in compliance with Federal statutes, regulations, and the terms and conditions of the award. These internal controls should be in compliance with guidance in "Standards for Internal Control in the Federal Government" issued by the Comptroller General of the United States and the "Internal Control Integrated Framework", issued by the Committee of Sponsoring Organizations of the Treadway Commission (COSO).
- 21. Mandatory Disclosures:** In the case that this Agreement is an award funded in whole or in part by Federal funds, in accordance with 2CFR Part II, §200.113, Party must disclose, in a timely manner, in writing to the State, all violations of Federal criminal law involving fraud, bribery, or gratuity violations potentially affecting the Federal award. Failure to make required disclosures may result in the imposition of sanctions which may include disallowance of costs incurred, withholding of payments, termination of the Agreement, suspension/debarment, etc.
- 22. Conflict of Interest:** Party must disclose in writing any potential conflict of interest in accordance with Uniform Guidance §200.112, Bulletin 5 Section IX and Bulletin 3.5 Section IV.B.

(End of Standard Provisions)

**ATTACHMENT D
OTHER GRANT AGREEMENT PROVISIONS**

1. **Cost of Materials:** Grantee will not buy materials and resell to the State at a profit.
2. **Prior Approval/Review of Releases:** Any notices, information pamphlets, press releases, research reports, or similar other publications prepared and released in written or oral form by the Grantee under this Grant Agreement shall be approved/reviewed by the State prior to release.
3. **Ownership of Equipment:** Any equipment purchased by or furnished to the Grantee by the State under this grant agreement is provided on a loan basis only and remains the property of the State.
4. **Grantee's Liens:** Grantee will discharge any and all contractors' or mechanics' liens imposed on property of the State through the actions of subcontractors.
5. **State Minimum Wage:** The Grantee will comply with the state minimum wage laws and regulations, if applicable.
6. **Health Insurance Portability and Accountability Act (HIPAA):** The confidentiality of any health care information acquired by or provided to the Grantee shall be maintained in compliance with any applicable State or federal laws or regulations.
7. **Equal Opportunity Plan:** If it is required by the Federal Office of Civil Rights to have a plan, the Grantee must provide a copy of the approval of its Equal Opportunity Plan.
8. **Supplanting:** If required, the Grantee will submit a Certification that funds will not be used to supplant local or other funding.
9. **Compliance with Cost Principles:** Grantee shall comply with the requirements set forth in 2 CFR 225 (for state and local governments including schools), A-122 (for non-profit organizations), or A-21 (for higher education institutions) as appropriate for the Grantee's type of organization.
10. **Compliance with Administrative Regulations:** Grantee shall comply with requirements of OMB Circular A-102 (state and local governments and schools) or A-110 (institutions of higher education, hospitals, and non-profit organizations) as appropriate for the Grantee's type of organization.
11. **Construction;** The Grantee will construct the project using sound engineering practices and in accordance with plans defining the work.
12. **Permits; Compliance with Permit Conditions.** The Grantee will obtain all necessary permits and other approvals required to construct the Project and will be responsible for assuring that all permit or approval requirements are complied with during construction and, to the extent applicable, for the life of the project.

13. **Damage to Abutters.** The Grantee will pay the total cost of any incidental damages that may be sustained by abutting or adjacent property owners or occupants as the result of construction of the project.
14. **Acquisition of Additional Right-of-Way.** The Grantee will be responsible for obtaining additional right-of-way, if any, needed for the project. The cost of any such right-of-way shall be the responsibility of the Grantee.
15. **Utility Relocations.** The Grantee will be responsible for making any necessary arrangements for utility relocations needed to accommodate the project. Please call Dig Safe at 1-800-DigSafe (www.digsafe.com). The cost of any improvements to existing utilities shall be the responsibility of the Grantee or the utility.
16. **Traffic Control.** The Grantee will provide all traffic control necessary to assure the safe movement of traffic during construction.
17. **Maintenance of Project Improvements.** The Grantee will maintain the completed project in a manner satisfactory to the State or its authorized representatives and shall make ample provisions each year for town highways and structures. In this regard, the Grantee acknowledges that its attention has been directed to Vermont Statutes Annotated, Title 19, Sections 304 (Duties of selectmen) and 310 (Highways, bridges and trails).