



Public Infrastructure Protection and Restoration Plan

**Study Area
Corning, NY
NYSDEC Project ID 851046**

July 21, 2020

Prepared for
**Corning Incorporated
Corning, New York**

Prepared by
**AECOM USA, Inc.
Latham, New York**



CERTIFICATION STATEMENT

I, Michael J. Doherty, certify that I am currently a New York State registered professional engineer as defined in 6 NYCRR Part 375 and that this Public Infrastructure Protection and Restoration Plan was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER- 10).

Executed on the 21st day of July, 2020

AECOM USA, Inc.

A handwritten signature in cursive script, appearing to read 'Michael J. Doherty', written in grey ink over a horizontal line.

Project Manager, P.E.

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LIST OF ACRONYMS

AECOM	AECOM USA, Inc.
DD	Decision Document
FFS/AA	Focused Feasibility Study/Alternatives Analysis
ft bgs	feet below ground surface
NYCRR	New York Codes, Rules and Regulations
NYSDEC	New York State Department of Environmental Conservation
OUs	operable units
RAWP	Remedial Action Work Plan
WESTON [®]	Weston Solutions, Inc.

1. INTRODUCTION

AECOM USA, Inc. (AECOM), on behalf of Corning Incorporated, has prepared this Public Infrastructure Protection and Restoration Plan in accordance with the New York State Department of Environmental Conservation (NYSDEC) Decision Document (DD) for Operable Units (OUs) 1, 2 and 5 in the Study Area, Corning, NY (NYSDEC, 2017). The Study Area is located in the City of Corning, NY, as illustrated on Figure 1. In general, it is bounded by the Chemung River to the south; Post Creek and Interstate 86 to the east and north; and the Guthrie Medical Center, the City of Corning Fire Department, and Centerway to the west. The Study Area is separated into five OUs based on location and land use, to assist in advancing properties through the remedial process. The five OUs in the Study Area, depicted on Figure 2, are identified as follows:

- OU1 – Residential Area (includes 211 residential properties and Houghton Park)
- OU2 – Residential Area at the Eastern End of Corning Boulevard (includes five residential properties)
- OU3 – School/Community Use Areas (includes the Corning-Painted Post School District, Corning Christian Academy and City of Corning Memorial Stadium properties)
- OU4 – Flood Control Areas
- OU5 – Residential Expansion Area (includes 109 residential properties)

From 2014 through 2017, WESTON, on behalf of Corning Incorporated, performed characterization activities in OU1 and OU2 under a June 2014 Order on Consent and Administrative Settlement (June, 2014). Based on the characterization sampling, WESTON, on behalf of Corning Incorporated, prepared a Focused Feasibility Study/Alternatives Analysis (FFS/AA) to evaluate remedial alternatives for the residential Operable Units (OU1, OU2 and OU5) contained in the Study Area (WESTON, 2017). The recommended alternative contained in the FFS/AA is to excavate up to 2 feet below ground surface (ft bgs) and install a cover system.



NYSDEC issued the DD in June 2017, following a public comment period, describing the selected remedial alternative of excavation of up to 2 ft bgs and installation of a cover system for properties in OU1, OU2 and OU5 (NYSDEC, 2017a).

Effective December 14, 2017, Corning Incorporated entered into an Order on Consent and Administrative Settlement (December, 2017b) with NYSDEC to perform remedial activities¹ and additional characterization activities within the Study Area. Pursuant to the December 2017 Order on Consent, a Remedial Action Work Plan (RAWP) (WESTON, 2018) was prepared by WESTON, on behalf of Corning Incorporated, to perform remedial activities in OU1, OU2 and OU5 as described in the NYSDEC DD. NYSDEC approved the RAWP on March 30, 2018.

2. OBJECTIVES

This Public Infrastructure Protection and Restoration Plan has been prepared to meet the requirements contained in Item 1, under the “*Description of Selected Remedy*” section of the NYSDEC DD. Specifically, the NYSDEC DD requires the:

“...development of a public infrastructure protection and restoration plan. The plan will include a survey of publicly owned infrastructure both before and after remediation. It will include pre-construction surveys as needed. The plan will include measures for mitigating or repairing any damage that may be caused to local infrastructure by the remedial action;”

¹ “Remedial activities” or “remediation” includes design, planning, sampling, mobilization, demolition, excavation, transportation, and restoration activities performed under the NYSDEC-approved RAWP in the Study Area.



This Public Infrastructure Protection and Restoration Plan meets these requirements and incorporates information from the City of Corning ordinances. The primary public infrastructure that may be impacted by remedial activities are roadways, alleys, sanitary and storm sewer structures and/or sewer lines, water supply lines, fire hydrants, gas supply lines and related structures along the primary transportation routes. State highways are not included in this plan as they are heavily used by other traffic not associated with the remedial activities. This plan applies to remediation activities to be conducted in OU1, OU2 and OU5 over multiple years.

The primary concern regarding public infrastructure is heavy truck traffic traveling over City of Corning owned roads and the potential for damage to road surfaces and related structures (e.g., manholes, water valves, curbs, street signs, etc.). This plan describes the general means for: documenting pre- and post-remediation conditions, protecting and monitoring these conditions and where necessary, restoring public infrastructure if the damage results from the remedial activities.

Infrastructure protection measures incorporated into this plan are:

- Pre-construction documentation of infrastructure conditions followed by regular reviews/inspections (i.e., monthly and annually while remedial activities are underway)
- Compliance with state and local vehicle-weight limitation and other traffic laws
- Compliance with remedial construction plans
- Observing utility locations and available survey drawing limits during excavation
- Specification of haul routes to avoid truck traffic on roads that are not suitable or identified for truck traffic, as well as avoiding roads to the extent practicable where the potential for impact could be more significant
- Performing all activities in accordance with the NYSDEC-approved RAWP

3. INFRASTRUCTURE CONDITION DOCUMENTATION

The conditions of the publicly owned infrastructure along the specified truck routes will be inspected and documented prior to, during and following, the construction season each year that remedial activities will be conducted in the Study Area.

Pre-construction infrastructure inspections will be performed by means of a visual inspection along specified truck routes on city owned roads prior to the start of remedial activities.

Infrastructure condition documentation will include the following:

- Publicly available property surveys, street maps, plot plans, utility maps, utility mark outs and other available utility location information will be requested from the City of Corning and applicable utility owners.
- Photographic documentation and visual inspection of features and appurtenances between and adjacent to the curbing along the specified truck routes, excluding city sidewalks and private driveways which are addressed by the Remedial Design. This includes; streets, alleys, curbs, grass medians, light posts, hydrants, pavement, manhole covers, storm grates, signs and utility poles. Photographs documenting conditions of public infrastructure will be georeferenced with the collection of GPS coordinates. Logs will also be prepared providing a summary of the locations of photographs and also note relevant condition information for each photograph.

The above information will be reviewed to identify any visible damage, movement, deformation, major cracking, etc. which exists prior to the remediation activities each year. These pre-remediation observations will be documented and discussed with the City of Corning representative with respect to the need for protection of certain features or avoidance of specific locations during remedial activities.

During remedial activities, monthly inspections of the public infrastructure along the specified



truck routes will be performed and documented. Monthly inspections will include collection of photographs in those areas where condition changes are noted. Condition changes identified during these monthly inspections, if any, will be discussed with the City of Corning representative. If caused by remedial activities, condition changes requiring restoration will be addressed using the procedure described in Section 6.

Within two (2) weeks of the completion of remedial activities at the end of each construction season, a post-construction survey, using the procedure described above, will be performed along the specified truck routes on city owned roadways used during the remedial activities. Photographic documentation, in addition to other written documentation, will be discussed with the City of Corning representative to identify any condition changes that may have resulted from remedial activities and restoration measures implemented during that construction season.

4. TRUCK WEIGHT RESTRICTION AND TRAFFIC CONTROL LAWS

Vehicles involved with the remedial activities will be required to comply with all state and local weight limitations. The City of Corning regulations specify truck routing for vehicles in the City of Corning in excess of 10,000 pounds and allows exceptions from these specified truck routes for local deliveries (City of Corning Code, Chapter II, Section 224 – Vehicle and Traffic, §224-19, §224-20, §224-85 and §224-86). The proposed truck routes described in Section 5 are in accordance with the City of Corning regulations.

All transport of materials will be required to be performed by licensed haulers in accordance with appropriate local, State and Federal regulations, including 6 NYCRR Part 364. Haulers will be appropriately licensed and trucks properly placarded.

The Contractor selected by Corning Incorporated to perform NYSDEC required remediation and restoration on Study Area properties will be solely responsible for transporting excavated soil for disposal in accordance with local, State and Federal regulations. Shipping documents,

including bills of lading (for non-hazardous soil, debris, investigation derived waste and collected wastewaters) and manifests (for hazardous soil, debris, investigation derived waste and collected wastewaters) will be prepared by the contractor and signed by Corning Incorporated's representative.

In addition to complying with vehicle weight restrictions on all roadways, remedial construction vehicles operating for this project are required to obey all other applicable traffic laws and project specifications including speed limits, parking and stop signs. Portable truck scales will be used to weigh each truck before departing the Study Area. All vehicles transporting backfill material into the Study Area will be weighed at the backfill supply facility before entering the public roadways. These procedures will provide a control on truck weights for remedial construction vehicles traveling on city roadways and highways to eliminate overload situations.

5. TRUCK ROUTES

A route of access will be determined for all trucks involved in remedial activities going to or from any individual property within the Study Area and all trucks will be inspected prior to leaving each property to assure the load is secured to prevent spillage, leakage or airborne movement during transit. If loads contain wet material capable of producing free liquid, truck liners will be used. Trucks will be prohibited from stopping and idling in the residential areas within the Study Area except during active loading and unloading.

The Contractor will be responsible for removal of project related materials associated with required public infrastructure restoration, including construction debris, soil (including Subject Material if present) and other remediation related items that may be identified within public rights-of-way. Areas where such materials are identified will be decontaminated if necessary. Decontamination procedures will include physical removal (e.g., shovel removal, sweeping) and may include rinsing the affected areas with water if necessary in consultation with NYSDEC on-



site personnel. Rinsate will be collected and containerized for analysis and off-site disposal.

Truck traffic in the City of Corning during remedial activities will be limited to travel from within the boundaries of the Study Area onto the routes listed below and shown on Figure 3. Trucks entering and departing the Study Area will use state and City of Corning-owned roads (Corning Boulevard, East Pulteney Street, Centerway [State Route 414], East Tioga Avenue/Woodview Ave [City of Corning], Conhocton St [City of Corning] and Park Avenue [State Route 225]) to travel to and from the Study Area and Staging Area. Trucks will use City of Corning streets and alleys with the Study Area in order to implement the remedial activities under the RAWP.

6. RESTORATION

As part of the monthly and annual inspections conducted during active remedial activities, condition changes attributable to the remedial activities will be identified and thereafter discussed with the City of Corning representative. Pre-remediation conditions and documentation will be compared by a New York State-licensed Professional Engineer as part of this assessment. Should discrepancies between the pre-activity surveys and post-remediation surveys be determined to be attributable to remedial activities, Corning Incorporated will work with its subcontractors to develop a written plan within 30 days for the repairs as necessary, for discussion with the City of Corning representative. The schedule for necessary repairs will be developed in consultation with the City of Corning. Corning Incorporated's subcontractors will then implement the repairs pursuant to the written plan. In accordance with the NYSDEC DD, all repairs will be in accordance with local City of Corning Codes and standard industry practice.

7. REFERENCES

City of Corning, New York, Chapter 224 §244-19 (1998)



City of Corning, New York, Chapter 224 §244-20 (1998)

City of Corning, New York, Chapter 224 §244-85 (1998)

City of Corning, New York, Chapter 224 §244-86 (1998)

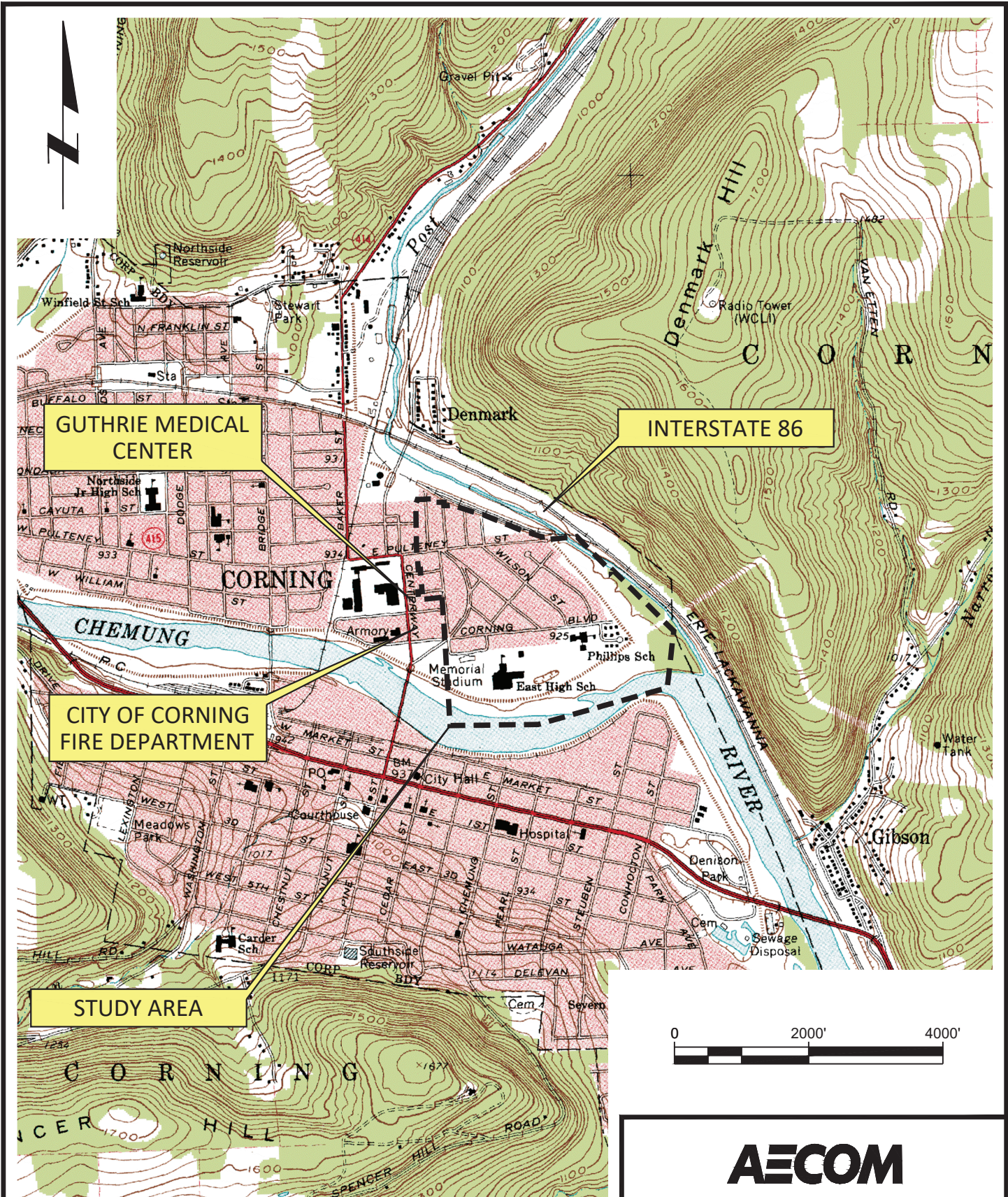
NYSDEC (New York State Department of Environmental Conservation). 2014. Order on Consent and Administrative Settlement Operable Units (OUs) 1 and 2, Corning, Steuben County, New York, Site ID No. 851046, June 2014.

NYSDEC (New York State Department of Environmental Conservation). 2017a. Decision Document, Study Area, Operable Units (OUs) 1, 2 and 5, Corning, Steuben County, New York, Site ID No. 851046, July 2017.

NYSDEC (New York State Department of Environmental Conservation). 2017b. Order on Consent and Administrative Settlement Operable Units (OUs) 1, 2 and 5, Corning, Steuben County, New York, Site ID No. 851046, December 2017.


WESTON (Weston Solutions, Inc.). 2017. Focused Feasibility Study/Alternatives Analysis, Residential Areas (OU1, OU2 and OU5), 23 March 2017. Prepared by Weston Solutions, Inc. for Corning Incorporated.

WESTON (Weston Solutions, Inc.). 2018. Remedial Action Work Plan, Residential Areas (OU1, OU2 and OU5) Study Area, 6 April 2018. Prepared by Weston Solutions, Inc. for Corning Incorporated.



REFERENCE: U.S.G.S 7.5 MINUTE QUADRANGLE, CORNING NY SERIES

LEGEND

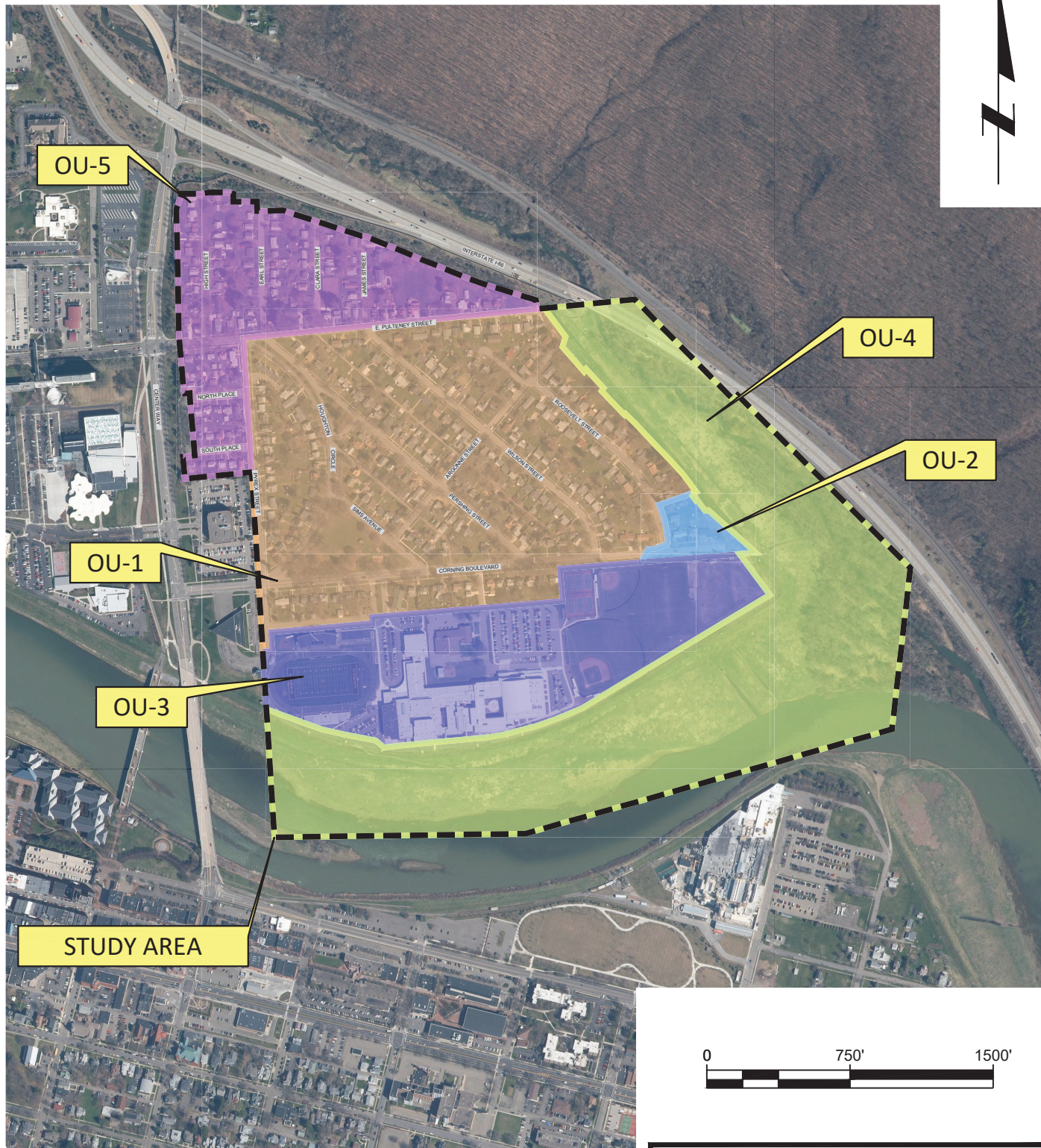
 STUDY AREA



LOCATION OF STUDY AREA

RESIDENTIAL PROPERTIES REMEDIAL ACTION STUDY AREA IN CORNING, NEW YORK

FILE NAME:	DRN ---	PROJECT NO. 60599493	DATE 02-2020	FIGURE NO. 1
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OU-5

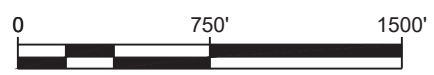
OU-4

OU-2






OU-1

OU-3

STUDY AREA



REFERENCE: BACKGROUND IMAGE SHOWN TAKEN FROM NEW YORK STATE GIS CLEARINGHOUSE

LEGEND	
	OU1 - RESIDENTIAL AREA
	OU2 - RESIDENTIAL AREA AT THE EASTERN END OF CORNING BLVD.
	OU3 - SCHOOL / COMMUNITY USE AREAS
	OU4 - FLOOD CONTROL AREAS
	OU5 - RESIDENTIAL EXPANSION AREA

AECOM

STUDY AREA OPERABLE UNITS

RESIDENTIAL PROPERTIES REMEDIAL ACTION
STUDY AREA IN CORNING, NEW YORK

FILE NAME:	DRN ---	PROJECT NO. 60599493	DATE 02-2020	FIGURE NO. 2
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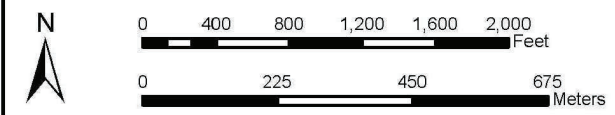
- Legend**
- Study Area
 - City of Corning Jurisdiction
 - State Route

NOTES:
 Background Layer: ESRI, Bing Mapping Service
 Coordinate System: NAD 1983 State Plane
 New York Central Feet
 Datum: NAD83. Units: Feet

Study Area
 Corning NY



Figure 3
 Truck Traffic Route



Document Name: Traffic_Route.MXD

05-2020