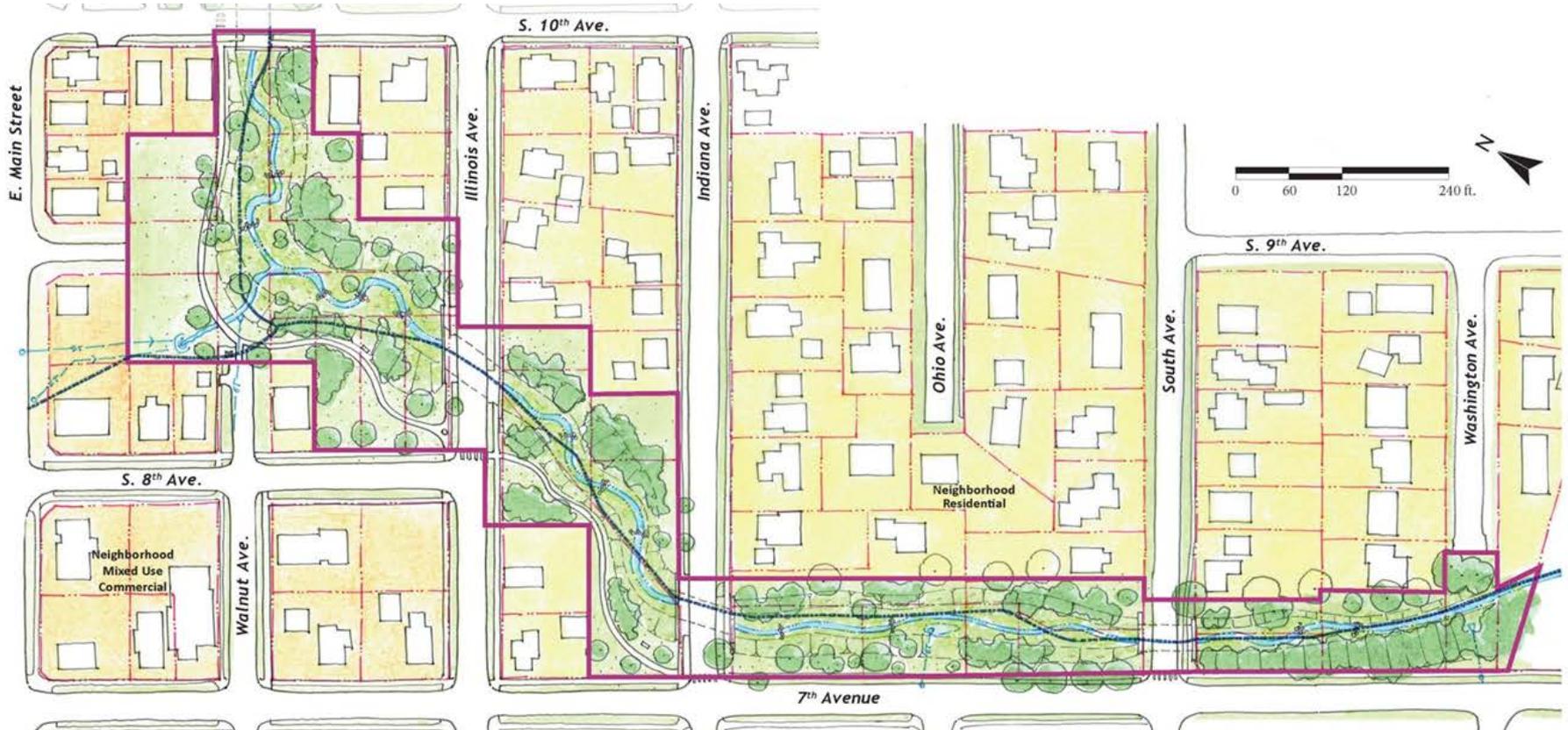


7th Avenue Creek Project – Phase 1 (IEPA 319 Grant)



City of St. Charles, IL

October 15, 2018



Tonight's Agenda

- ▷ Why are we here?
- ▷ Project Team Introductions
- ▷ Project History
- ▷ Overview of Phase 1 (IEPA 319 Grant Project)
- ▷ Phase 1 Project Costs and Benefits
- ▷ Phase 1 Project Obligations
- ▷ Feedback & Questions

Why are we here?

- ▷ City has been awarded \$1.2M IEPA Section 319 Grant
 - ▷ Federal grant supporting water quality improvements
 - ▷ 7th Avenue Creek is one of the largest 2018 grant awarded by IEPA Section 319
- ▷ Phase 1 / IEPA 319 Grant Project
 - ▷ 4 year project commitment by the City
 - ▷ Total project cost of \$5.8M
- ▷ IEPA Grant Acceptance Agreement Due Nov, 2018

Project Team Introductions



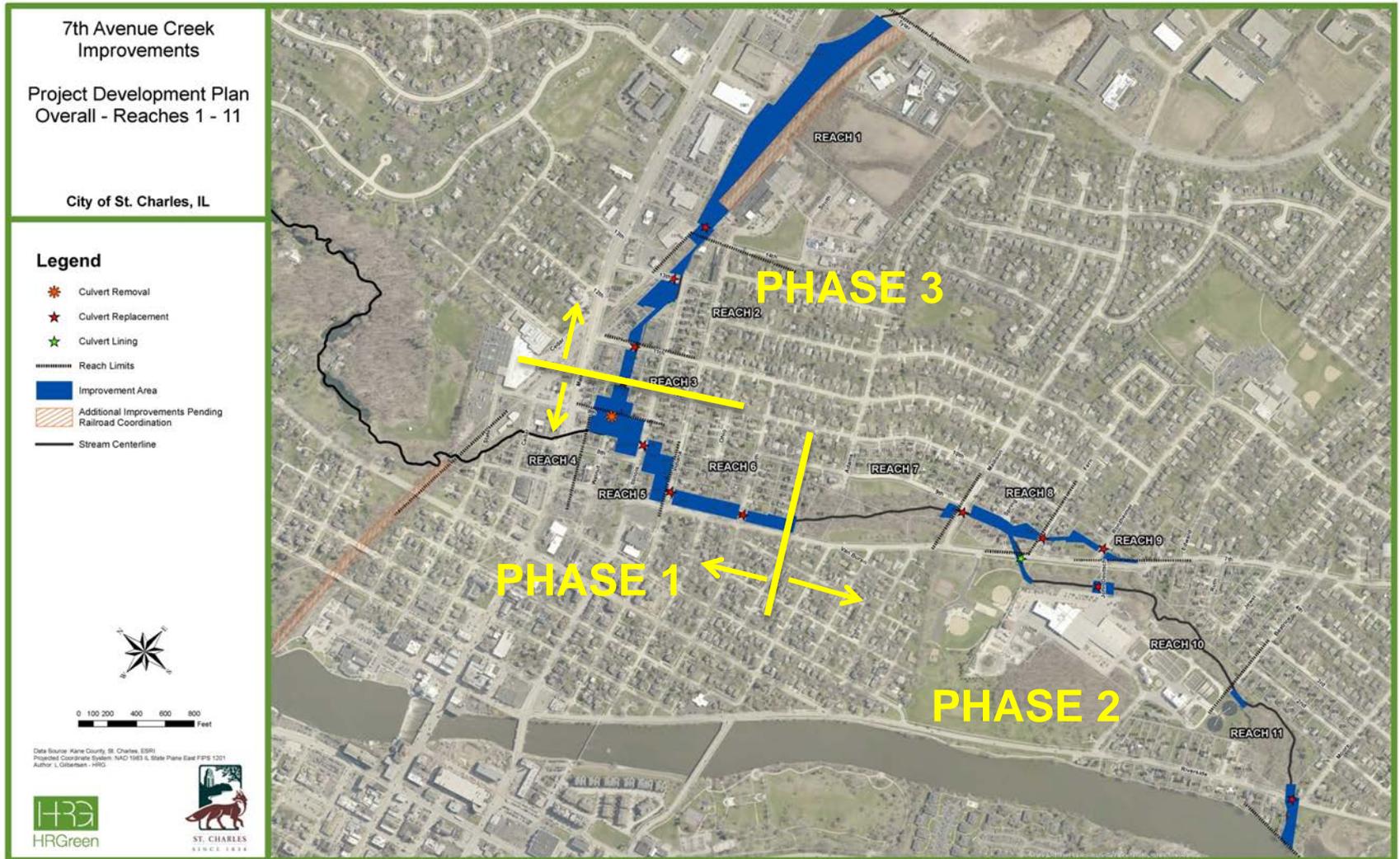
▶ Introductions – Old and New Faces

Project History

- ▷ FEMA Floodplain and Floodway map revisions – under final review
 - ▷ Map update process began after 2008 flooding
 - ▷ On track to be effective in 2019
 - ▷ 118 parcels and 70 structures (57 currently) impacted
- ▷ 7th Avenue Creek Master Plan Development Completed in 2017
 - ▷ Guiding document
 - ▷ Mix between Greenway and Engineered solution
 - ▷ Estimated \$18M total project cost, broken into phases
- ▷ Property acquisition/demolition of 13 residences within the floodplain/floodway



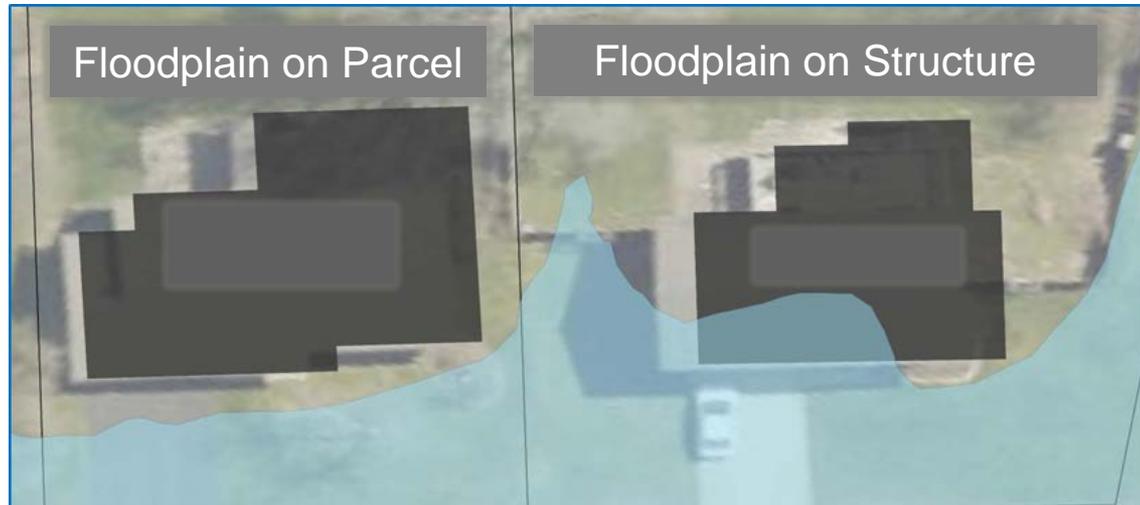
Overall Master Plan



Overall Master Plan - Benefits

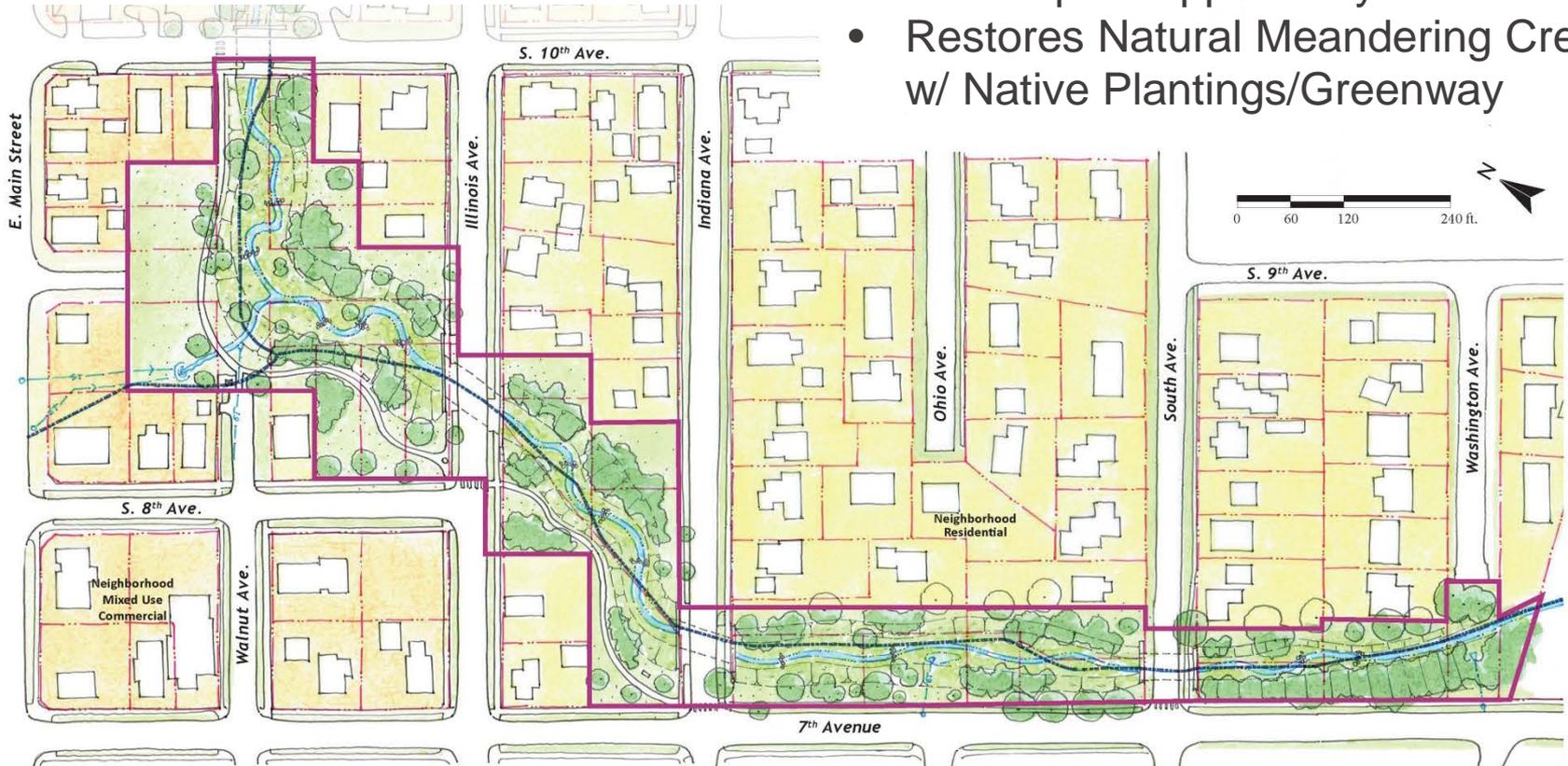
BENEFITS SUMMARY	Located in 7 th Avenue Creek FEMA Proposed Floodplain	
	(Pre-Construction)	(Post-Construction)
Total # of <u>Parcels</u>	118	36
Total # of Commercial <u>Structures</u>	15	0
Total # of Residential <u>Structures</u>	55	6*

- 6 Structures remaining in floodplain are due to Fox River flood plain, not 7th Avenue Creek



Overview of Phase 1 – IEPA Grant Project Area

- Removal of S. 9th Avenue
- Creation of natural park-like setting w/ walking path
- Pocket park opportunity
- Restores Natural Meandering Creek w/ Native Plantings/Greenway



Phase 1 Project Benefits

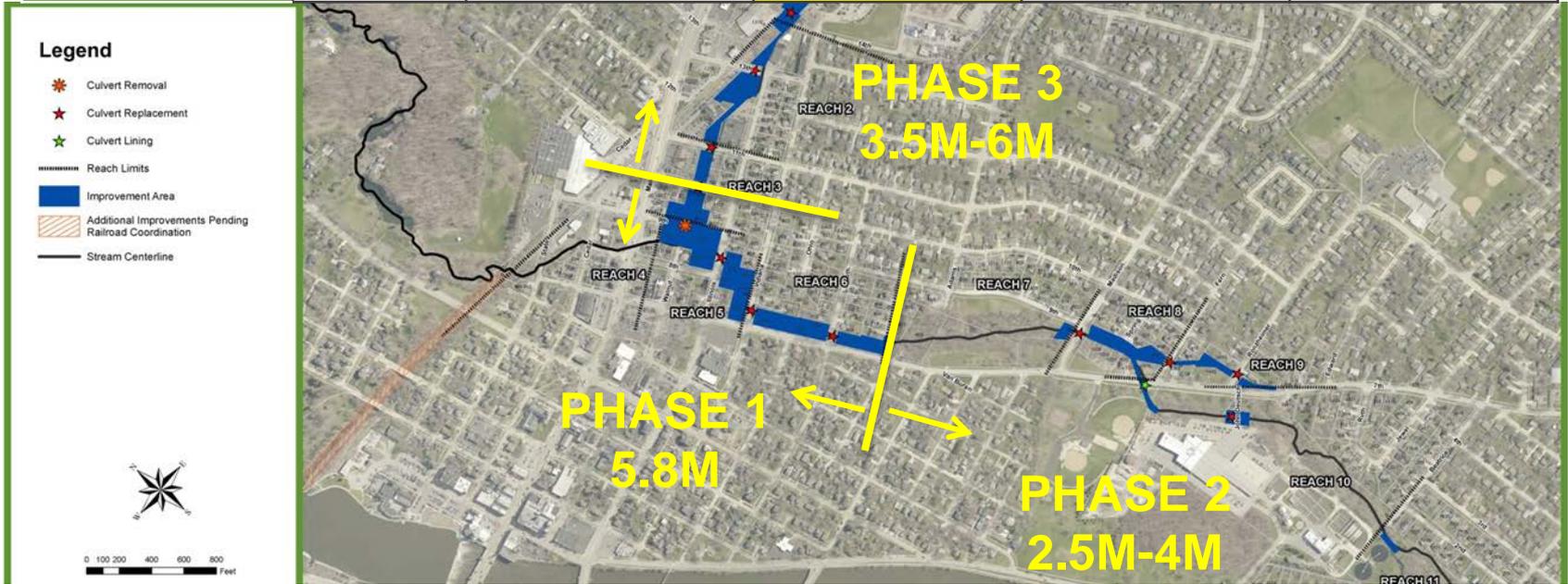
BENEFITS SUMMARY	Located in 7 th Avenue Creek FEMA Proposed Floodplain		
	2008	2018	2021 - Phase 1 Completion
Total # of Commercial Structures	15	15	15
Total # of Residential Structures	55	42	29

IEPA Grant Project Area – Benefits

- Removal of 13 Structures from the floodplain/floodway
- Reduced flood risks due to reduction in flood elevations
- Creek will no longer overtop South Avenue roadway in a 100-yr rainfall event. Will not overtop Illinois or Indiana in a 50-yr event (2008)
- Water quality improvements within 7th Avenue Creek
- Phase 1 improvements are required if City desires to reduce upstream Commercial property flooding (Phase 3) in the future
- A stand-alone project which will provide positive impact to the area with or without continued project phases.

Project Phasing - Benefits

BENEFITS SUMMARY	Located in 7 th Avenue Creek FEMA Proposed Floodplain				
	2008	2018	2021 - Phase 1 Completion	Phase 2 Completion	Phase 3 Completion
Total # of Commercial Structures	15	15	15	15	0
Total # of Residential Structures	55	42	29	11	6 Remain due to Fox River



Phase 1 Project Costs

	FY 18/19	FY 19/20	FY 20/21	FY 21/22	TOTALS
Land Acquisition	-	\$621,210	\$562,210	-	\$1,183,420
Design Engineering	\$95,025	\$228,060	\$57,015	-	\$380,100
Construction	-	-	\$886,876	\$3,104,066	\$3,990,942
Construction Engineering	-	-	\$70,389	\$246,362	\$316,751
Total Project Cost	\$95,025	\$849,270	\$1,576,490	\$3,350,428	\$5,871,213
Grant Reimbursement	(\$24,540)	(\$58,897)	(\$261,932)	(\$865,230)	(\$1,210,599)
Project Cost after Grant Reimbursement	\$70,485	\$790,373	\$1,314,558	\$2,485,198	\$4,660,614
Debt Service Impact	-	\$75,000	\$105,000	\$180,000	\$360,000



Grant Obligations & Council Decision

INTER-GOVERNMENTAL AGREEMENT



BETWEEN

THE STATE OF ILLINOIS, ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

AND

CITY OF ST. CHARLES

7TH AVENUE CREEK STREAM RESTORATION PROJECT

The Illinois Environmental Protection Agency (Grantor), with its principal office at 1021 North Grand Avenue East, P.O. Box 19276, Springfield, Illinois 62794-9276, and City of St. Charles (Grantee), with its principal office at 2 East Main Street, St. Charles, Illinois 60174-1984 and payment address (if different than principal office) at (same), hereby enter into this Inter-governmental Grant Agreement (Agreement), pursuant to the Intergovernmental Cooperation Act, 5 ILCS 220/1 *et seq.* Grantor and Grantee are collectively referred to herein as "Parties" or individually as a "Party."

PART ONE – THE UNIFORM TERMS RECITALS

WHEREAS, it is the intent of the Parties to perform consistent with all Exhibits and attachments hereto and pursuant to the duties and responsibilities imposed by Grantor under the laws of the State of Illinois and in accordance with the terms, conditions and provisions hereof.

NOW, THEREFORE, in consideration of the foregoing and the mutual agreements contained herein, and for other good and valuable consideration, the value, receipt and sufficiency of which are acknowledged, the Parties hereto agree as follows:

ARTICLE I

AWARD AND GRANTEE-SPECIFIC INFORMATION AND CERTIFICATION

Feedback & Questions?

Additional information needed?

