



AMERICAN RESCUE PLAN ACT
Expenditure Request

This fillable form is available on our website: www.leecountyil.com

SECTION 1: PROGRAM OVERVIEW/ELIGIBILITY

Lee County is the recipient of Coronavirus State and Local Fiscal Recovery Funds, established by the American Rescue Plan Act (ARPA) of 2021. The Lee County Board established an ARPA Committee to make recommendations to the Board on funding allocations which meet eligibility guidelines and respond to local needs.

For more information on U.S. Treasury's ARPA guidelines and eligibility go to: U.S. Treasury - ARPA Information. For information on the Lee County ARPA program, email Sara Leisner, Lee County ARPA Grant Coordinator at arpa@countyoflee.org.

SECTION 2: REQUESTING AGENCY/DEPARTMENT CONTACT INFORMATION (PLEASE PRINT)

Agency Lee County Highway Department Agency Phone 815-857-4141
Agency Address 1629 Lee Center Road
Agency Representative David Anderson Title County Engineer
Representative Email leecoeng@comcast.net Phone 815-857-4141

SECTION 3: REQUEST OVERVIEW

Brief Description of Project/Expenditure: Concrete Box Culvert Replacement

Estimate of the Timeline for Project/Expenditure: Begin Construction in July of 2023

ARPA Category this Expenditure Falls Under:

- Support COVID-19 Public Health Response
Address Negative Economic Impacts
Replace Public Sector Revenue Loss
Premium Pay for Essential Workers
Water and Sewer Infrastructure
Broadband Infrastructure

Have you sought other funding or matching funds for this project? Yes No

If yes, from where: Rebuild Illinois Funds, County Matching Funds

Total Project Cost: \$ 525,000 ARPA Funding Request: \$ 525,000 Other Funding/Match: \$ 0

SECTION 4: DETAILS OF PROJECT/EXPENDITURE (ATTACH TO THIS APPLICATION)

Please attach a narrative detailing the project, including an explanation of how this expenditure meets the ARPA eligibility guidelines, any additional details on the project costs (including if the cost is an estimate), other funding sources, and the project timeline.

SECTION 5: SIGNATURE

I hereby depose and say that I am an authorized representative of the Agency, that I have read this application, that I have personal knowledge of the contents thereof, that the same is true in substance and fact, and that I will comply with all grant and reporting requirements to Lee County on behalf of the Agency.

Signature of Agency Representative Date 4/22/2022

Email this application and all supporting documentation to Sara Leisner, Lee County ARPA Grant Coordinator at arpa@countyoflee.org.

**American Rescue Plan Act Expenditure Request
Supplemental Narrative for
Section 4: Details of Project/Expenditure.**

Type Size and Location of the culvert to be replaced.

The proposed project consists of replacing a 5'-6"x9'-3" double barrel cast in place reinforced concrete box culvert that carries Brooklyn Road over a small stream just north of the intersection of Water Street in the Village of West Brooklyn. Brooklyn Road is under the Jurisdiction of Lee County.

Justification for culvert replacement

It is imperative the culvert be replaced for the following reasons:

1. The structure has aged to a point that structural integrity is of primary concern. A significant portion of the concrete in the culvert bottom has eroded away leaving this element of the culvert less able to resist buoyant forces from below which in turn stress the components of the culvert that are expected to carry the traffic loads.
2. After performing a hydraulic modeling analysis, it has been determined that the existing culvert is actually undersized and will not carry an adequate amount of storm water during a 100 year storm event. This can lead to upstream flooding and leave the surface storm water controls overwhelmed.

The subsequent photos indicate the typical condition of the culvert:



Bottom slab eroded



1" crack in bottom of top slab



Pipe carrying storm water has failed, allowing rock and sediment to filter in, creating a void in the roadway above.



1/4" - 1/2" crack in back wall (typical)

Project Conformity to ARPA eligibility guidelines:

Since the primary purpose of this County owned culvert is to carry a small stream and its associated storm water, including storm water from the roadway surface, this project meets current ARPA eligibility requirements.

Estimate of cost and funding sources:

A detailed estimate will not be prepared until a significant portion of the engineering is complete. The preliminary estimate for both construction and engineering is \$525,000. Any ARPA funds allocated for this project would likely be paired with a mix of Rebuild Illinois Funds (State) and County Matching Funds (Local).

Respectfully Submitted,

David M. Anderson, P.E.
Lee County Engineer



County Highway Department

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