

## Step 6: Project Details for LEADS - Structural Erosion Control (ESIM-LE-I)

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1. Provide the date of the Farmland Health Check-Up that assessed the fields impacted by the proposed project: \_\_\_\_\_

2. Based on your Farmland Health Check-Up, what fields will the proposed project be implemented on? (Check all that apply)

Field 1

Field 2

Field 3

Unassessed

3. Based on the results of your Farmland Health Check-Up, what is the top Farmland Health Challenge being addressed by the proposed project? (Select one)

Water Erosion

Wind Erosion

Tillage Erosion

Surface Structure

Subsurface Compaction

Soil Life

Soil Chemistry

Organic Matter

Phosphorus

Pollinator Health

Project is on unassessed acres

4. Based on the fields impacted by the proposed project, what rating does your Check-Up list for the Farmland Health Challenge identified above? (Select one)

Poor

Fair

Good

Best

Project is on unassessed acres

**Full Name:** \_\_\_\_\_

**FBRN:** \_\_\_\_\_

ESIM-LE-I

5. What area of the field would you estimate will benefit from reduced risk of soil loss from erosion as a result of the proposed project (e.g., what is the drainage area impacted by the proposed structural erosion control project) (acres)? \_\_\_\_\_

6. Are you working with a professional third party (e.g., Erosion control contractor, drainage contractor, conservation authority, drainage engineer) to prepare a design plan for your project?

Yes, specify name of contractor/organization planned to work with: \_\_\_\_\_

No

7. What activity/activities are you completing as part of the proposed project? (Check all that apply)

Ditch bank stabilization

Shoreline stabilization, bank shaping

Grade control structures (e.g., rock chute)

In-stream/ In-channel control -structures

Water and Sediment Control Basins

Grassed waterways

Contour terraces/ field terraces

Gully stabilization

Constructed wetlands

Vegetative strips of perennial cover planted on the contour

Enhance/Decommission existing surface inlets

Tile outlet protection

**Full Name:** \_\_\_\_\_ **FBRN:** \_\_\_\_\_

## Step 7: Additional Funding for Systems Approach

This section is for applicants who would like to be considered for the Systems Approach Funding. To be considered, you must show how the project you are applying for will be complemented or enhanced by the on-going maintenance of previously implemented best management practices (BMPs). If this applies to you, please answer the questions for at least 2 of the BMPs below. If you may provide satisfactory answers for at least 2 BMPs, you may receive an additional 5 percent in cost-share funding.

| <b>CROP NUTRIENT PLANNING</b>                                       |                               |
|---|-------------------------------|
| What year did you last complete a Crop Nutrient Plan for this farm? |                               |
| What type of advisor did you use for your planning?                 |                               |
| Does the plan contribute to your ongoing production practices?      | Yes<br>No                     |
| What township was the plan implemented in?                          |                               |
| <b>COVER CROPS</b>  |                               |
| Do you use cover crops annually?                                    | Yes<br>No                     |
| If no, what was the most recent year you used cover crops?          |                               |
| How many acres do you use cover crops on annually?                  | acres owned<br>acres rented   |
| Have you used a cover crops species that flowers?                   | Yes<br>No                     |
| If so, did you allow the cover crops to flower before termination?  | Yes<br>No                     |
| Are your cover crops typically left in the field over winter?       | Yes<br>No                     |
| What township was this implemented in?                              |                               |
| <b>RIPARIAN BUFFER STRIPS</b>                                       |                               |
| What is the length and width of your riparian buffer strip?         | metres length<br>metres width |
| What year did you plant your most recent buffer strip?              |                               |
| What township was this implemented in?                              |                               |

| <b>WINDBREAKS AND WINDSTRIPS</b>   |                                 |
|--|---------------------------------|
| How many acres of fields are protected by windbreaks/wind strips: (e.g., 50 acre field with windbreaks = 50 acres)                 | acres owned<br><br>acres rented |
| What year did you last plant a windbreak or wind strip?  |                                 |
| Do the plants in the windbreak or wind strip provide food sources (such as flowers), nesting sites or host plants for pollinators? | Yes<br>No                       |
| Do you perform annual maintenance on your windbreak(s)/wind strip(s)?  | Yes<br>No                       |
| What township was this implemented in?   |                                 |
| <b>FRAGILE LAND RETIREMENT</b>   |                                 |
| Please indicate the number of acres of fragile land you have retired in the last 5 years   | acres                           |
| Do the plants on your retired fragile land provide food sources (such as flowers), nesting sites or host plants for pollinators?   | Yes<br>No                       |
| What township was this implemented in?   |                                 |
| <b>STRUCTURAL EROSION CONTROL</b>  |                                 |
| When was the erosion control structure implemented?  |                                 |
| Was the erosion control structure designed by an engineer?   | Yes<br>No                       |
| What township was this implemented in?   |                                 |

| <b>TILLAGE AND NUTRIENT APPLICATION EQUIPMENT MODIFICATIONS</b>           |  |
|---|--|
| How many acres are under no-till practices?                               | acres owned<br>acres rented  |
| How many years have no-tillage practices been implemented?                |  |
| How many acres are under strip-till practices?                            | acres owned<br>acres rented  |
| How many years have strip-tillage practices been implemented?             |  |
| Do you have 3 or more crops in your rotation?                             | Yes<br>No  |
| What township was this implemented in?                                    |  |
| <b>EQUIPMENT MODIFICATIONS TO REDUCE SOIL COMPACTION</b>                  |  |
| Do you have an on-the-go tire inflation system?                           | Yes<br>No  |
| If yes, when was the system installed?                                    |  |
| Do you use high flotation tires to reduce soil compaction?                | Yes<br>No  |
| If yes, how many acres are impacted through use of this equipment?        | acres owned<br>acres rented  |
| What township was this implemented in?                                    |  |
| <b>ADDING ORGANIC AMENDMENTS TO SOIL</b>                                  |  |
| How many acres do you apply organic amendments to?                        | acres owned<br>acres rented  |
| What type of material do you apply to your fields? (Check all that apply) | Manure<br>Biosolids<br>Compost<br>Anaerobic digestate<br>Other, specify: |
| Is adding organic amendments a regular annual practice for your farm?     | Yes<br>No  |
| If no, what was the most recent year you used this practice?              |  |
| What township was this implemented in?                                    |  |

**EQUIPMENT MODIFICATIONS TO IMPROVE MANURE APPLICATION**

|  |  |
|--|--|
| <p>How did you modify equipment to better apply organic amendments?<br/>(Check all that apply)</p>     | <p>Direct injection<br/>Below canopy<br/>Incorporation<br/>or pre-tillage<br/>Better rate and<br/>flow accuracy<br/>Safety controls<br/>and monitoring</p> |
| <p>What was the most recent year you modified equipment for the application of organic amendments?</p> |  |
| <p>Since the equipment was modified, has it been used in each year of production?</p>                  | <p>Yes<br/>No</p>  |
| <p>How many acres are impacted by the use of this equipment</p>  | <p>acres</p>   |
| <p>What township was this implemented in?</p>  |  |