

Municipal Problem Statement Worksheet

Sept. 2021

- Use this worksheet to develop a problem statement for your municipality.
- Use a separate worksheet for each problem statement.
- **By TH Sept. 23**, submit all *problem statement worksheets* in MS WORD format to mclellan@countyofdane.com and husen.sara@countyofdane.com .

Municipality	Village of Cross Plains
Natural Hazard	Flooding
Describe conditions associated with this hazard and identify where and when problem(s) occur	
<i>Describe what happens</i>	Stormwater from hillsides and impervious surfaces inundate low lying properties by becoming trapped without a proper internal drainage system
<i>Location(s)</i>	Generally, along the west section of the Village, the Black Earth Creek weaves between several properties, buildings, and structures. As rain falls and the creek rises, overland stormwater runoff during a significant rainfall event (>1%) is unable to discharge efficiently downstream and out of the impacted area.
<i>Time frame associated with the occurrence</i>	Hours- Days
Describe the risks from this hazard to persons, facilities, finances, and ancillary activities	
<i>Impacts on persons</i>	Inundated basements and lower floors to single family homes, some multi-residential structures, and several businesses.
<i>Impacts on facilities (include locations as appropriate)</i>	Inundation of the Village Wastewater Treatment Plant, Village's largest employer, inundation of the intersection at US Highway 14 and Market Street.
<i>Financial impacts</i>	Residents along Park Street and East/Spring/Center streets suffer basement / lower-level flooding (split level homes) causing financial loss and hardship from disruption to their lives. In 2018, several homes on this section including business experienced inundation of stormwater.
<i>Secondary / ancillary impacts</i>	Sanitary Sewer and wastewater plant intrusion, road closures, significant impact to commerce and transportation, stream bank erosion, stream pollution and contamination,
Identify what a desired outcome looks like	

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Reducing the flood risk at Market Street and Main Street by improving the internal drainage system by overflow routes/ditches and installing flap valves on existing storm sewer will help control storm water flow and mitigate disruption to business, traffic, and homes.	
Describe why it is import to address this problem	
The Village of Cross Plains can improve the economic viability and safety of all occupancies in this area and provide a more resilient product. The overflow routes/ditches will provide more flood relief from the immediate properties while reducing the impact of upstream flooding.	