

54th Street Corridor Preliminary Engineering & Stormwater Management Plan

Background: The City seeks to integrate sustainability principles into the planning and design of this project.

To do so, it is using a variety of techniques, including the use of a tool called ENVISION™. This Power Point provides a brief overview of the ENVISION™ tool and how the City intends to use it on this project.



THE ENVISION™ RATING SYSTEM



Background

ENVISION was developed through a collaboration between the Institute for Sustainable Infrastructure (ISI) and Harvard University's Zofnass Program for Sustainable Infrastructure.

The Envision™ sustainable infrastructure rating system is an objective framework of criteria and performance achievements. The goal is to improve the sustainable performance of infrastructure projects in terms of not only the technical performance but also from a social, environmental and economic perspective.

Envision™ provides an opportunity for infrastructure owners and designers to provide higher performing solutions by using a lifecycle approach, by working with communities, and by using a restorative approach to infrastructure projects.



Envision™ Is Uniquely Qualified to Address America's Infrastructure

- ❑ Envision™ applies to all civil infrastructure
- ❑ Addresses design, planning, construction and maintenance
- ❑ Applicable at any point in an infrastructure project's life cycle
- ❑ Speaks to the triple bottom line: social, economic and environmental goals
- ❑ Designed to keep pace with a changing concept of sustainability



Why Was Envision™ Developed?

- Current rating systems for infrastructure in the U.S. are sector specific
- No U.S. system covers all aspects of infrastructure
- Envision™ is designed to fill the gap



What Types Of Infrastructure Will Envision™ Rate?



ENERGY

Geothermal
Hydroelectric
Nuclear
Coal
Natural Gas
Oil/Refinery
Wind
Solar
Biomass



WATER

Potable water distribution
Capture/Storage
Water Reuse
Storm Water Management
Flood Control



WASTE

Solid waste
Recycling
Hazardous Waste
Collection & Transfer



TRANSPORT

Airports
Roads
Highways
Bikes
Pedestrians
Railways
Public Transit
Ports
Waterways



LANDSCAPE

Public Realm
Parks
Ecosystem Services



INFORMATION

Telecommunications
Internet
Phones
Satellites
Data Centers
Sensors



60 Credits in 5 Categories



**QUALITY
OF LIFE**

Purpose, Community, Wellbeing



LEADERSHIP

Collaboration, Management, Planning



**RESOURCE
ALLOCATION**

Materials, Energy, Water



**NATURAL
WORLD**

Siting, Land & Water, Biodiversity



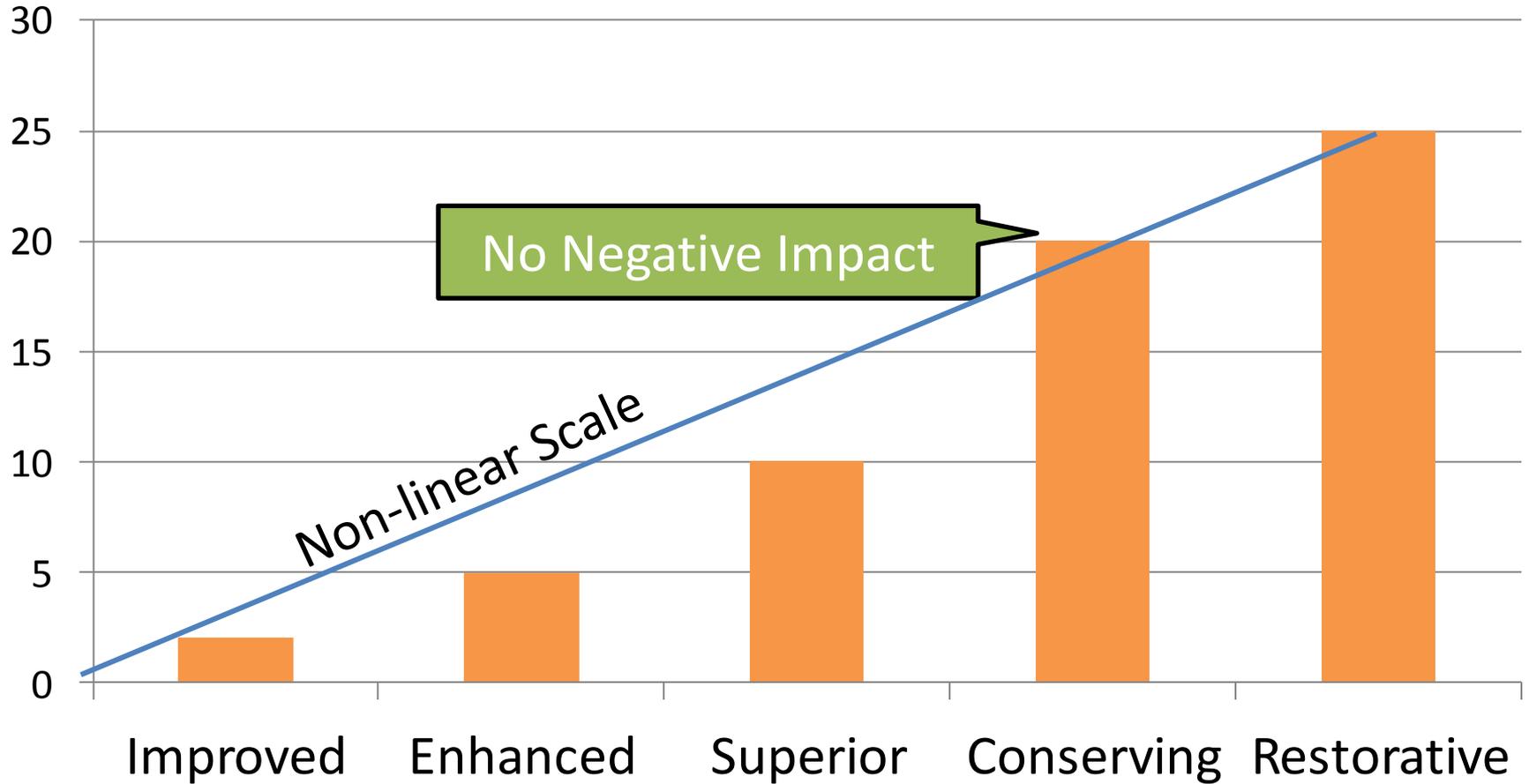
**CLIMATE
AND RISK**

Emission, Resilience



Levels of Achievement

QL1.1 IMPROVE COMMUNITY QUALITY OF LIFE



How ENVISION can be used for the 54th Street Project

- Help the City, project stakeholders, and its consultants, agree on relevant sustainability parameters and definitions for the project
- Provide a clear framework for the preliminary design to incorporate the community's values into the project



How ENVISION can be used for the 54th Street Project

- As a means to educate and engage stakeholders during all phases of the project
- As a tool to help evaluate alternatives, ensuring that economic factors *and* important social, economic, and environmental factors (the triple bottom line) are taken into consideration



How ENVISION can be used for the 54th Street Project

- Note: As described on the previous two slides the City intends to use ENVISION as a planning tool to help incorporate sustainability principles into this project.
- The City of Edina does NOT intend to officially *verify* the 54th Street Project using the ENVISION rating system – therefore there are no fees associated with use of the tool on this project



www.sustainableinfrastructure.org



The screenshot shows the homepage of the Institute for Sustainable Infrastructure (ISI). At the top left is the ISI logo, which consists of a green square with a white leaf and the letters 'ISI' below it. To the right of the logo is the text 'INSTITUTE FOR SUSTAINABLE INFRASTRUCTURE'. A navigation bar at the top contains links for Home, About Us, Join ISI, Contact Us, Search, and a green Login button. Below the navigation bar is a search box with the text 'search' and a magnifying glass icon. A dark blue banner below the navigation bar features a high-speed train and the text 'Building Tomorrow's Infrastructure Today'. Below the banner are three main content blocks: 'Envision™ Rating System' with a 'Click Here' button, 'Envision™ Checklist' with a 'Click Here to Download Checklist' button, and 'ISI Credential Application' with a paragraph of text. Below these are two columns of 'Latest News' items, each with a title and a 'details' link. On the right side, there are two more content blocks: 'Accepted Applicants' with a paragraph of text and a 'Click here' link, and 'Envision Credentialed Professionals' with a 'Click here to search for a credentialed ENV SP.' link. At the bottom right, there is a row of five icons: a family, a hard hat, a recycling symbol, a leaf, and a globe.

ISI INSTITUTE FOR SUSTAINABLE INFRASTRUCTURE

Home About Us Join ISI Contact Us Search Login

search

News FAQs Rating System ISI Credentials Project Application Education & Training ISI Blog Presentation Templates

Building Tomorrow's Infrastructure Today

Envision™ Rating System

[Click Here](#)

Envision™ Checklist

[Click Here to Download Checklist](#)

ISI Credential Application

Register here for the ISI Credential and Training Program. You must be registered and your application accepted to participate.

Accepted Applicants

If your ENV SP application has been accepted, login to the Portal to view the education modules and take the test. [Click here](#)

Envision Credentialed Professionals

[Click here to search for a credentialed ENV SP.](#)

Latest News

- ISI has Large Presence at Ecobuild America...[details](#)
- Recognizing a Founder...[details](#)
- Easy Updating of Your ISI Information...[details](#)
- Faculty Discounts for Credentialing...[details](#)
- New Envision™ Presentation Templates...[details](#)
- Envision™ Checklist Now Available...[details](#)
- First Class of Verifiers Graduate...[details](#)
- Rebuilding America's Infrastructure...[details](#)

ISI provides third-party project **VERIFICATION** for the **Envision™ Sustainable Infrastructure Rating System**

[Click here to find out more](#)

