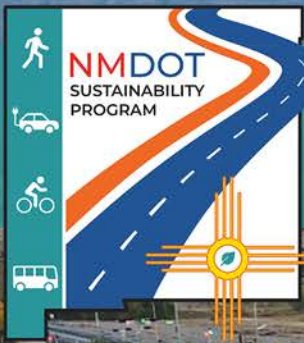




Implementation Action Plan



May 2026

May 15, 2026

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APPENDICIES

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Appendix C	– NMENV-Lite Checklist
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LIST OF DEFINITIONS

DSC – District Sustainability Committees

SSC – Statewide Sustainability Committee

ISI – Institute for Sustainability Infrastructure

Envision – ISI Sustainability Framework

Envision Verification – ISI verification program for infrastructure projects that provides the Envision Sustainability Professional (ENV SP) credential

Pre-Assessment Checklist – ISI prepared checklist corresponding to 318 performance criteria for each of the 64 Envision credits, intended to be used during project scoping to help identify potential sustainability project features

NMENV-Lite Checklist – A shortened, simplified checklist of 40 questions corresponding to performance criteria to be used to assist project managers in identifying sustainability project features to be incorporated into moderate projects

Climate Action Team – NMDOT internal staff tasked with developing and implementing sustainability measures. Part of Planning Division’s Research and Climate Bureau.

Standard Projects – Projects that incorporate baseline sustainability features consistent with agency requirements. Standard Projects may meet or go beyond guideline sustainability features and conventional practices to achieve incremental sustainability benefits without requiring formal sustainability certification.

Moderate Projects – Projects that incorporate enhanced sustainability features and are intentionally planned to balance the triple bottom line-social, environmental, and economic outcomes. Moderate Projects use the NMENV-Lite Checklist to identify, document, and achieve sustainability goals appropriate to the project scope, complexity, and risk, without pursuing full Envision verification.

Signature Projects – Projects that fully integrate the ISI Envision framework with the objective of achieving an Envision verification award rating of Verified, Silver, Gold, or Platinum. Signature Projects represent NMDOT’s highest level of sustainability commitment.

Guideline Sustainability Features – Baseline sustainability features to be developed by the Sustainability Program Development Team. GSFs will be a curated set of standardized, practical sustainability practices tailored to NMDOT projects. GSFs will not be project-specific but will represent repeatable sustainability measures that can be incorporated into Standard and Moderate Projects.

KPIs – Key Performance Indicators

Incentive Program – A coordinated system of recognition and performance-based incentives that encourages and rewards the adoption of sustainability practices and Envision principles across all phases of project delivery, fostering continuous improvement and accountability.

1 INTRODUCTION

1.1 Purpose

The New Mexico Department of Transportation (NMDOT) is dedicated to providing sustainable infrastructure for current and future generations of New Mexicans that advances safety, mobility, environmental stewardship, and economic development. This Sustainability Program Implementation Action Plan (SPIAP) serves as a framework for integrating sustainability considerations into NMDOT's transportation projects from planning and alternatives analysis, design and construction, and operations and maintenance.

The SPIAP outlines how the NMDOT Sustainability Program will adapt and integrate the Envision sustainability framework developed by the Institute for Sustainable Infrastructure (ISI) into its project delivery processes.

This SPIAP document includes the following sections:

- Sections 2 – 3: Defines sustainable and resilient infrastructure and provides the policy context that drove NMDOT to create the Sustainability Program.
- Section 4: Summarizes the Envision sustainability framework (Envision) that was selected to guide project development and execution.
- Sections 5 – 8: Outlines the process that NMDOT will use to incorporate sustainability into projects using three screening levels.
- Sections 9 – 11: Describes the tools and checklists that will be developed to assist with planning and design, construction, and operations & maintenance activities.
- Sections 12 – 13: Establishes monitoring and reporting procedures and describes the staff teams that will execute the work.
- Sections 14 – 15: Outlines training, engagement, and incentives to ensure adoption of the program.
- Sections 16 – 17: Presents an implementation schedule and provides a revision process for the NMDOT Sustainability Program.

Key Terms:

NMDOT Sustainability

Program: NMDOT efforts to integrate sustainability features into its infrastructure projects and project delivery processes.

Sustainability Program

Implementation Action Plan

(SPIAP): This document, which outlines how NMDOT will implement the Sustainability Program.

Envision Sustainability

Framework (Envision):

A comprehensive tool for improving the sustainability of infrastructure projects at the planning, design, construction, and operation levels along five categories (Quality of Life, Leadership, Resource Allocation, Natural World, and Climate & Resilience).

Envision Verification: Third-party verification program that uses the Envision Framework to assess and recognize the sustainability of infrastructure projects.



Organ Mountains – Aguirre Springs Access Road, Las Cruces, NM. Photo: Molzen Corbin.

1.2 Intended Audience

The SPIAP is designed to guide the Sustainability Program Development Team in its work to create and implement the program. It is also designed to provide project engineers, planners, and stakeholders information about program rollout and how the program will assist NMDOT to enhance the sustainability outcomes of projects.

1.3 NMDOT Sustainability Teams and Committees

The teams, organizations, and committees that are responsible for implementing components of the SPIAP are defined in Table 1.1. Several new committees will be formed to implement the processes outlined in this document.

Table 1.1 – Implementation Teams, Organizations, and Committees

Title	Responsibilities
NMDOT Sustainability Program Development Team	Team of consultants and NMDOT staff responsible for development of the NMDOT Sustainability Program, including this SPIAP.
NMDOT Climate Action Team	NMDOT’s internal staff team tasked with developing and implementing adaption, resilience, mitigation, and sustainability measures across NMDOT. The Climate Action Team is part of the Planning Division’s Research and Climate Bureau.
NMDOT District Sustainability Committees (DSC)	New committees to be formed to implement the Sustainability Program in each of the six districts. Each district will create a DSC which will sort projects into three screening levels and recommend project sustainability features.
NMDOT Statewide Sustainability Committee (SSC)	A new committee to be formed to implement the Sustainability Program at the statewide level. The SSC will evaluate the projects recommended by the six DSCs and will determine which should pursue third-party Envision verification.
Institute for Sustainable Infrastructure (ISI)	International organization that provides third-party Envision verification for infrastructure projects and provides the Envision Sustainability Professional (ENV SP) credential.

2 DEFINITIONS OF SUSTAINABLE AND RESILIENT INFRASTRUCTURE

There are many different definitions of sustainability and resilience. NMDOT defines these terms as outlined below.

2.1 Sustainable Infrastructure

Sustainable infrastructure is defined in three ways:

- 1) Triple Bottom Line Benefits
- 2) Reducing Consumption While Maintaining a Good Quality of Life
- 3) Considering Future Generations

Triple Bottom Line Benefits: Sustainable infrastructure projects provide social, environmental, and economic benefits. This is achieved when benefits in each category outweigh the costs in each category. When projects provide benefits in each category, the project is said to provide triple bottom line (TBL) benefits (see Figure 2.1).

Roadway Example	Economic	Social	Environment
Benefits	Economic activity from moving people and products.	Enhanced human to human connections and relationships.	Reduced carbon emissions from use of solar lights.
Costs	Construction costs. Operational costs. Debt costs.	Noise impacts to adjacent communities.	Lost terrestrial habitat along alignment.
Net Benefits "The Bottom Line"	Benefits minus Costs	Benefits minus Costs	Benefits minus Costs

Figure 2.1 – Tabular Illustration of the Triple Bottom Line (TBL)

Reduce Consumption While Maintaining a Good Quality of Life: Sustainable infrastructure enhances quality of life while reducing resource use and environmental impacts. By using less water, energy, and materials and reducing greenhouse gas emissions, these projects minimize ecological footprints while delivering long-term economic and social benefits.

Consider Future Generations: Sustainable development meets the needs of the present without compromising the ability of future generations to meet their own needs.¹ Infrastructure projects can meet this definition of sustainable development by balancing the social, economic, and

¹ Definition from the 1987 *United Nations World Commission on Environment and Development Report (Brundtland Commission Report)*.

environmental outcomes of the project, ensuring that the environment is protected and preserved for future generations to meet their social and economic needs.

2.2 Resilient Infrastructure

NMDOT defines resilient infrastructure as systems that are planned, located, designed, and operated in a manner that allows them to avoid, anticipate, absorb, adapt to, and rapidly recover from a shock or stress that leads to a loss of function. Resilient infrastructure provides sustainability benefits by reducing resource use from rebuilding, protecting communities and the natural environment from harm, and lowering long-term costs by remaining relevant for future generations. Figure 2.2 offers a graphic depiction of the difference between a resilient infrastructure system and one that is not, a low resilience system.

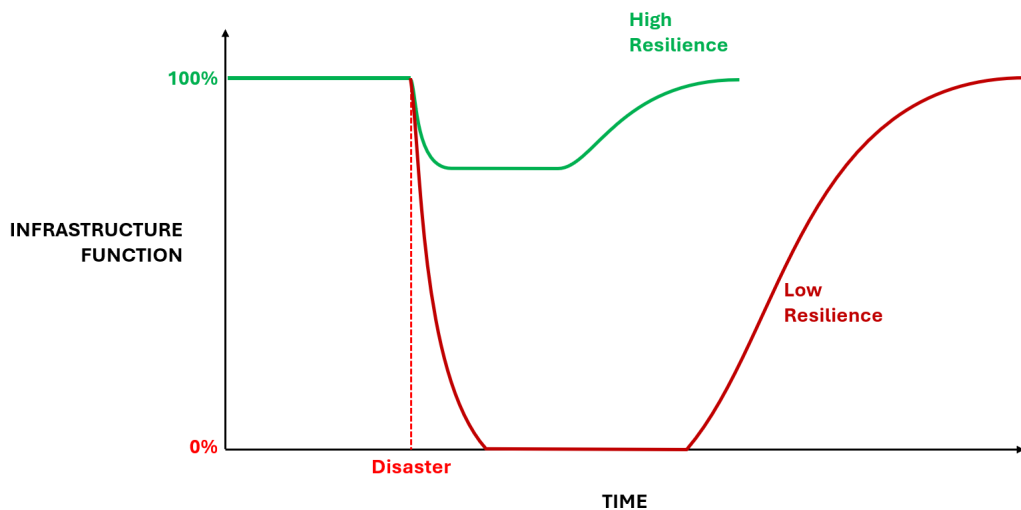


Figure 2.2 – Illustration of Resilient Infrastructure

3 POLICY BACKGROUND

The NMDOT Sustainability Program is being developed and implemented to respond to several adopted state and NMDOT policy documents and orders. These are summarized in the subsections below.

3.1 Executive Order: Addressing Climate Change (2019)

On January 29, 2019, Governor Lujan Grisham issued the *Executive Order on Addressing Climate Change and Energy Waste Prevention* (2019-003) to reduce greenhouse gas emissions by at least 45 percent by 2030, based on 2005 levels. The order directs state agencies, including NMDOT, to develop policies that will encourage clean energy deployment, curb climate pollution, and reduce methane waste in the oil and gas industry. Each year, New Mexico releases a status report on the progress made towards reaching the goals and provides recommendations for next steps. The sustainability program will help implement this executive order by reducing greenhouse gas emissions from infrastructure development and operations.

3.2 Interagency Climate Change Task Force (2021)

The *2021 Progress and Recommendations Report* highlighted transportation sector actions to address climate change and reduce GHG emissions. In particular, the report noted NMDOT's plans to reduce the number of single occupant vehicle trips, the transition to low emission vehicles, deployment of charging infrastructure, investment in multi-modal transportation systems, the deployment of complete streets, resilience improvement actions, the implementation of electric vehicle corridors, and the creation of a Climate Change Plan. The pending sustainability program will help implement these actions by integrating climate change considerations into every NMDOT project.

3.3 NMDOT Long-Range Statewide Transportation Plan (LRSTP) (2021)

The LRSTP establishes long-range goals for New Mexico's transportation system, analyzes trends and emerging issues, lays out strategies to achieve the goals, and identifies performance measures which will be used to track progress. The plan establishes performance targets related to safety, including reducing fatalities and injuries; mobility and accessibility, including facilitating the transition to electric vehicles; program delivery, including those that reduce negative impacts on the natural environment; and asset management, including resilience enhancements. The sustainability plan helps to implement the LRSTP's sustainability-focused performance targets by making sustainability an integral aspect of project development.

3.4 NMDOT Carbon Reduction Strategy (2023)

The carbon reduction strategy sets forth NMDOT's efforts to reduce vehicle miles traveled, reduce private vehicle emissions, reduce emissions from NMDOT operations and materials (including construction materials), and sequester carbon through revegetation, mitigation, and restoration of natural habitats. The sustainability program aligns with New Mexico's carbon reduction strategies by formalizing a process to identify opportunities for individual infrastructure projects to include carbon reduction efforts.



Girard Blvd. Landscape Improvements. Photo: Molzen Corbin.

3.5 NM Energy Minerals and Natural Resources Department (EMNRD) Climate Adaptation and Resilience Plan (2024)

This plan identifies threats to transportation networks, including drought, extreme heat, wildfires, and flooding. The plan outlines key actions to enhance resilience of transportation infrastructure. Some of the actions include: prioritizing multi-modal transportation investments; investing in transportation infrastructure that is more resilient to flooding, dust storms, and other extreme events; and building transportation systems that allow redundant access to critical services. NMDOT's sustainability program integrates these action items into project development processes.

3.6 NMDOT Resilience Improvement Plan (2024)

This report identified hazards that could impact NMDOT roads and highways, including wildfire, rockfalls, flooding, infrastructure decay and potential failures and estimated the severity of hazards into the future. This report then identified the most vulnerable infrastructure assets in the state road network. NMDOT's sustainability program includes resiliency considerations and will help enhance the resilience of new and existing infrastructure assets.

4 THE ENVISION SUSTAINABLE INFRASTRUCTURE FRAMEWORK

4.1 Rationale for Selecting the Envision Framework

NMDOT selected the Envision Framework to guide development of the NMDOT Sustainability Program for several reasons, including:

- Envision provides third-party verification which increases the transparency and accountability of the NMDOT sustainability program.
- Envision is an internationally recognized program and Envision verification can increase awareness of NMDOT's sustainability efforts.
- Envision's sustainability framework aligns with NMDOT goals and will lead to impactful sustainability outcomes for New Mexico.

Eight established infrastructure sustainability rating systems were screened to identify the top three systems that best aligned with NMDOT's climate and sustainability goals and could be integrated into existing processes. The project team reviewed relevant plans and documents to develop key performance indicators and evaluation criteria based on State of New Mexico and NMDOT priorities, then applied them to the top three systems: INVEST, Envision, and GreenLITES. Based on this evaluation, Envision was selected as the system most closely aligned with New Mexico's and NMDOT's sustainability and climate objectives. Additional details can be found in the *Benchmark Sustainability Rating Systems* report.

4.2 Overview of Envision

The Institute for Sustainable Infrastructure (ISI) first published the Envision Sustainable Infrastructure Framework (Envision) in 2012.

The Envision Framework

Envision is a framework that includes 64 sustainability and resilience indicators, called 'credits,' organized around five categories: Quality of Life, Leadership, Resource Allocation, Natural World, and Climate and Resilience. These collectively address areas of wellbeing, mobility, community development, collaboration, planning, economy, materials, energy, water, siting, conservation, ecology, emissions, and resilience. These indicators collectively become the foundation of what constitutes sustainability in infrastructure.

Each of the 64 credits has multiple levels of achievement representing the spectrum of possible performance goals from slightly improving beyond conventional practice, to conserving and restoring communities and environments. By assessing achievement in each of the 64 credits, project teams establish how well the project addresses the full range of sustainability indicators and are challenged to pursue higher performance.

Source: Institute for Sustainable Infrastructure

4.3 Envision Components

The following subsections describe the various components of Envision that will be leveraged by NMDOT to plan, design, construct, and operate more sustainable transportation infrastructure.

4.3.1 *Envision Guidance Manual*

The Envision Guidance Manual provides a comprehensive introduction to the sustainability and resilience challenges faced by infrastructure systems and society at large.

The manual's sustainability guidance is organized into five main categories: quality of life, leadership, resource allocation, natural world, and climate and resiliency (see Figure 4.1). These categories are further broken down into 14 subcategories and 64 credits. The Envision Guidance Manual provides detailed guidance on how to achieve varying levels of sustainability outcomes for each of the 64 credits.

Within each credit, the manual provides the intent and a description of the credit, the number of points that can be awarded, metrics for measuring credit achievement and detailed criteria, and guidance on what supporting documentation must be provided to support third-party verification of the project.

The manual is a PDF document that ISI website account holders may download for free. The website is located at: <https://sustainableinfrastructure.org/>.

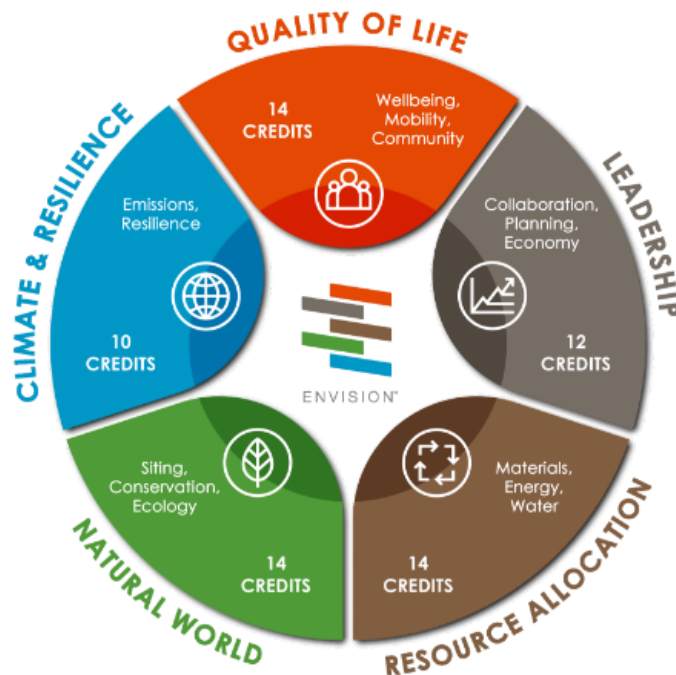


Figure 4.1– Envision Categories and Credits



I-25 Northbound, Fort Craig Area. Photo: Molzen Corbin

4.3.2 *Envision Pre-Assessment Checklist*

The Envision Pre-Assessment Checklist is used during early stages of need-identification and conceptual project scoping. The checklist identifies projects that will provide the highest sustainability benefits and beneficial alignments, locations, and project features. The checklist helps estimate and refine planning, design, and construction costs and provides information to help project sponsors decide if third party Envision verification should be pursued.

For NMDOT, the Envision Pre-Assessment Checklist is expected to be completed concurrently with the Location Study Procedures (Phase A/B/C), as the early phases of project development are where many sustainable design decisions are made.

The checklist includes 318 Yes/No questions corresponding to the performance criteria for each credit. The checklist is included in this report as Appendix B, and ISI website account holders may download a Microsoft Excel spreadsheet version at <https://sustainableinfrastructure.org/>.

4.3.3 Professional Credentialing Program

ISI offers a credentialing program that confers the title Envision Sustainability Professional (ENV SP) to those who complete the process. ENV SPs have a comprehensive understanding of sustainability and resilience and are trained to identify how projects can be planned, designed, constructed, and operated to achieve sustainability goals.

The program is not restricted to certified planners or engineers. A person who would like to become an ENV SP must receive 8 hours of training and then pass an online, open book exam. The interactive training content focuses on how to read and interpret the Envision guidance manual. Training can be obtained either via live in person sessions or via self-paced online content.

Projects that pursue Envision Verification, as described below, must include the participation of at least one ENV SP. The ENV SP is required to initiate and conclude the verification process.



I-25/University Avenue Interchange, Las Cruces, NM. Photo: Molzen Corbin.

4.3.4 *Envision Verification Awards Program*

ISI operates an optional project verification program for sustainability efforts to be formally recognized by ISI. Verification provides several benefits:

- Demonstrates the project sponsor’s sustainability efforts.
- Enhances the quality of the project delivery process.
- Gives confidence to taxpayers that their money is well spent.
- Provides an objective measure of sustainability outcomes.
- Motivates the project delivery team.
- Demonstrates that the sustainability achievements are worthy of third-party recognition.

During project delivery, the project team identifies desired sustainability outcomes among the 64 Envision credits. As work proceeds, the project team documents decisions, processes, and outcomes for credits the team wishes to pursue.

4.3.5 *Verification Pathways*

Figure 4.2 outlines the two potential pathways for verification: the design and post-construction pathways.

ENVISION VERIFICATION PATHWAYS



Figure 4.2 – Envision Verification Pathways

Pathway A: Design and Post-Construction Verification Pathway

The design and post-construction verification pathway enables the project team to submit credits for verification before construction is complete by marking some construction-related credits as pending.

After design is complete, the project’s ENV SP submits materials to ISI. An ISI independent verifier then reviews the submitted materials and determines the level of achievement for each credit and the overall verification award level. The results are shared with the project team via the ISI website.

The project team can address the verifier's comments and resubmit updated materials. This second submittal is then reviewed by the verifier and ISI verification management staff again and a verification level is adjusted and provided back to the project team.

At the completion of construction activities, the project team must submit documentation showing that "Pending" credits were completed in alignment with the credit coversheets and supporting documentation.

Pathway B: Post-Construction Verification Pathway

If the project sponsor follows the post-construction verification pathway, once project construction is substantially complete and all required construction phase documents have been compiled, the project team's ENV SP submits the coversheets and supporting documents to ISI. The review and resubmittal process is the same as Pathway A, but without the need to resubmit documentation for pending construction-related credits.

5 SUSTAINABILITY PROGRAM PROJECT IMPLEMENTATION PROCESS

This section outlines the process for integrating sustainability features into various types of projects at the NMDOT. Three project screening levels will be used to scale the implementation process and sustainability outcomes based on a project's size, complexity, and type of activities performed. The three screening levels are:

- 1) **Standard Projects:** NMDOT projects typically involving maintenance or replacement of existing assets.
- 2) **Moderate Projects:** NMDOT projects that involve construction of new assets but do not require application of the Location Study Procedures. An additional definition will be provided once the Design Manual is updated under future Sustainability Program tasks.
- 3) **Signature Projects:** NMDOT projects requiring application of the Location Study Procedures.

Further details for each project screening level are described in Sections 6, 7, and 8. This screening is to be implemented in addition to the work required under the current Condition Analysis Report (CAR) as the project is being programmed into the STIP. As the project is identified, through CAR, it will advance for further consideration for Sustainability screening levels. When the upcoming Project Lifespan is implemented, this will be another tool in the tool-box for screening projects that have symmetries with this Sustainability program.

5.1 Project Implementation Process

Figure 5.1 is a flowchart that depicts how sustainability will be integrated into the three project screening levels.

5.1.1 Project Implementation Process Principles

Five main principles informed development of the flowchart shown in Figure 5.1. include:

- 1) **Matching sustainability features to project levels:** The NMDOT delivers a wide range of project types, from maintenance projects to complex planning, design, and construction of new infrastructure. The NMDOT Project Sustainability Process screens every project into one of three levels (Standard, Moderate, and Signature), with sustainability outcomes appropriately matched to the project's complexity, budget, and staffing availability.
- 2) **Early identification of sustainability features:** Identifying sustainability features early in the study and project development process leads to more opportunities to make changes with lower project costs than if those changes were implemented later in the project timeline. The further along a project is in the process, the more difficult and costly it becomes to make changes, as depicted in Figure 5.2.

A key element of the project implementation process is early identification of sustainability features by using Envision checklist tools that are scaled to the scope of the project. The NMENV-Lite Checklist is a simplified checklist to assist with scoping of Moderate Projects, while the Envision Pre-Assessment Checklist is a more robust tool to be used for Signature Projects throughout the application of the Location Study Procedures and project delivery. These checklists ensure that sustainability features are identified early in the project timeline.

NMDOT Sustainability Program Project Development Process

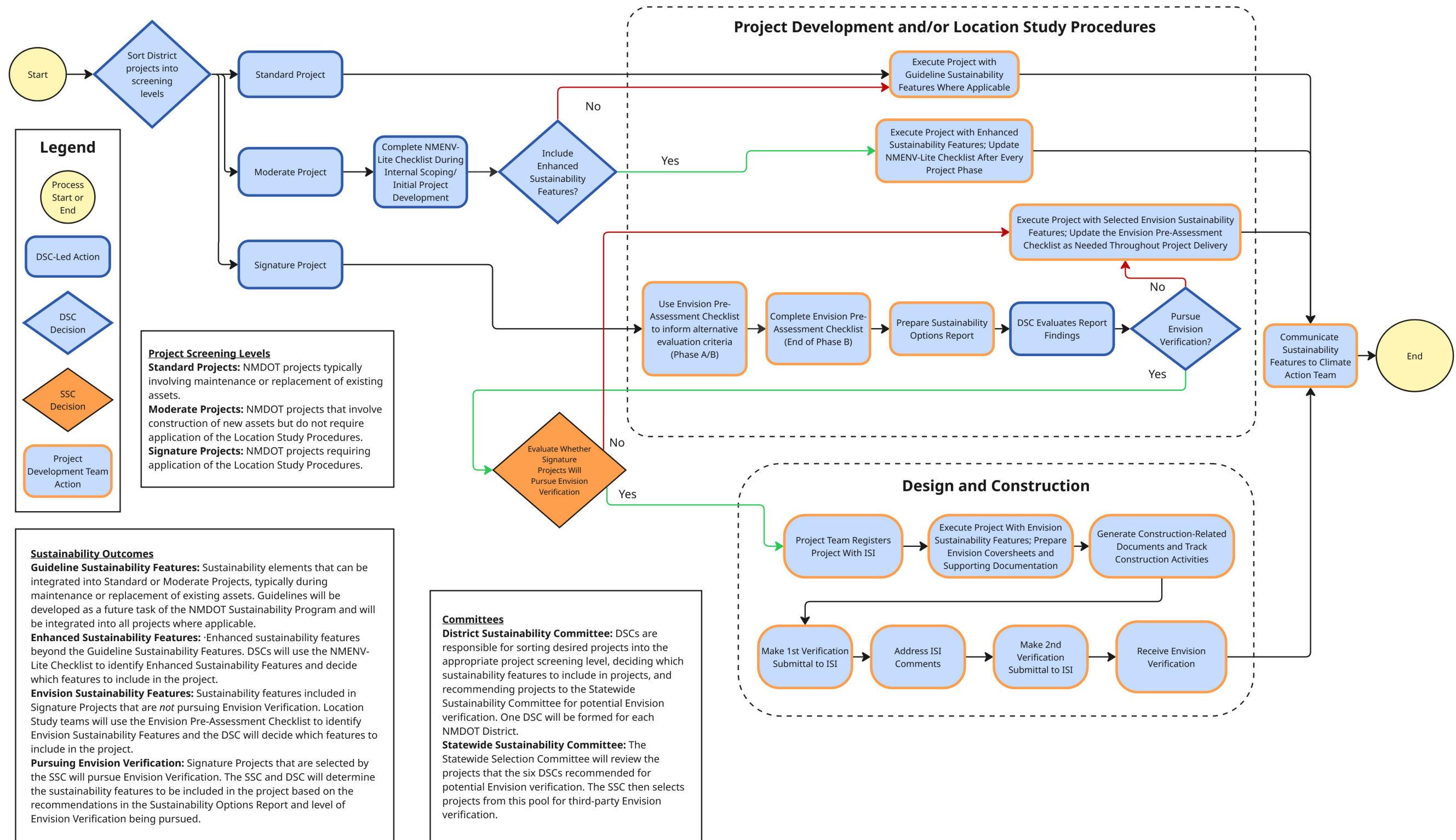


Figure 5.1 – Project Implementation Flowchart

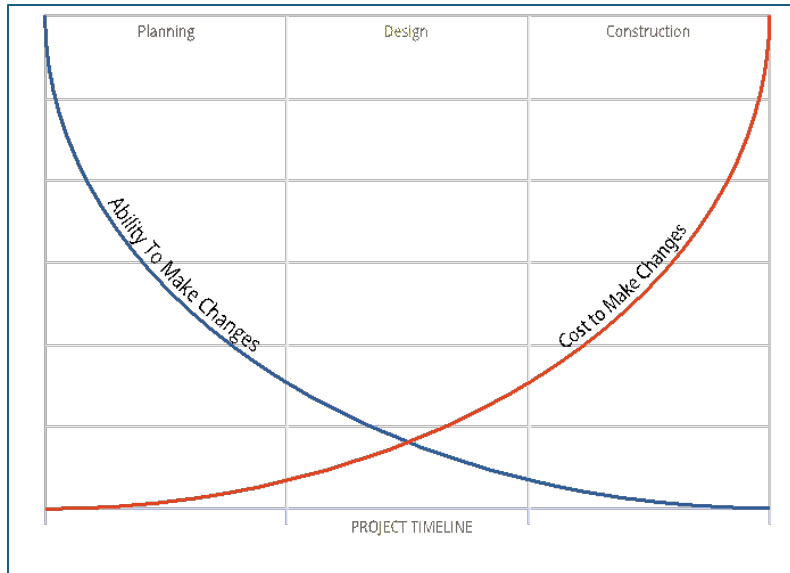


Figure 5.2 – Cost Savings for Early Adoption of Sustainable Project Elements

- 3) **Iterative workflows:** Revisiting the Envision checklists throughout the life of the study and project development process is critical to ensure that sustainability features are considered at the appropriate phase of project delivery. Checklists should be used as living documents and updated throughout the project so that sustainability features can be considered as details of the project become known.
- 4) **District decision-making on sustainability features:** NMDOT Districts are responsible for project initiation and development and are the primary decision-makers when considering which sustainability features should be included in a project. By establishing dedicated sustainability committees at the district level (District Sustainability Committees – DSC), all six NMDOT Districts will be able to screen projects into the appropriate level and have the authority to determine which sustainability features are most suitable for each project.
- 5) **State-level decision-making for Envision verification:** Envision verification requires additional time and resources to prepare a successful application. A new Statewide Sustainability Committee (SSC) will have decision-making over which projects should receive additional funding and resources to pursue verification, ensuring that high-quality projects receive the opportunity to pursue verification.

5.1.2 High-Level Process Summary

The DSC within each District will sort projects into one of the three project screening levels according to the project's size and scope.

Standard Projects: Standard projects will proceed to implementation using Guideline Sustainability Features that will be developed in a later task by the Sustainability Program

Development Team. More information is detailed in Section 6.

Moderate Projects: Moderate projects will be evaluated using the NMENV-Lite Checklist, which is a reduced version of the Envision Pre-Assessment Checklist. The NMENV-Lite Checklist is described in more detail in Section 7. Moderate projects will seek to include the sustainability features identified in the NMENV-Lite Checklist evaluation but will not proceed to full Envision verification. After completion and evaluation of the checklist, the DSC may decide enhanced sustainability features are not appropriate for the project and use the Guideline Sustainability Features instead, if applicable.

Signature Projects: Signature Projects will be evaluated using the Envision Pre-Assessment Checklist, which is described in more detail in Section 8. The Location Study team will use the Pre-Assessment Checklist to create a Sustainability Options Report, which outlines the potential sustainability features that could be included in the project.

The DSC will then review the Sustainability Options Report and evaluate if the Signature Project should be considered for possible Envision verification. If Envision verification is recommended by the District, the recommendation will proceed to the SSC for statewide decision-making. The SSC will evaluate the Signature Projects recommended for Envision verification from all Districts.

If a Signature Project is selected by the SSC to pursue Envision verification, the project team will follow the Envision verification steps described in Section 4. If a project is not selected for verification, the sustainability features identified in the Sustainability Options Report will still be implemented as the project is designed and constructed.

Final Steps: The last step for all projects is to report the sustainability features that were included in the final construction of the project to the statewide Climate Action Team so that NMDOT can accurately monitor the success of the Sustainability Program.

5.2 Action-Taking and Decision-Making Entities

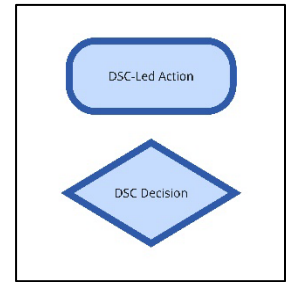
The implementation process entails the creation of two new types of committees: six District Sustainability Committees (DSCs) and a Statewide Sustainability Committee (SSC).

5.2.1 District Sustainability Committees (DSCs)

DSCs are responsible for sorting desired projects into the appropriate project screening level, deciding which sustainability features to include in projects, and recommending one or more projects annually to the SSC for potential Envision verification. One DSC will be formed for each NMDOT District. Membership of each DSC will include the following individuals:

1. District Engineer or designee
2. Assistant District Engineer for Technical Support or designee
3. Assistant District Engineer for Construction or designee

4. Assistant District Engineer for Maintenance or designee
5. Area Maintenance Supervisor
6. Regional Design Manager or designee
7. Sustainability staff from the Climate Action Team



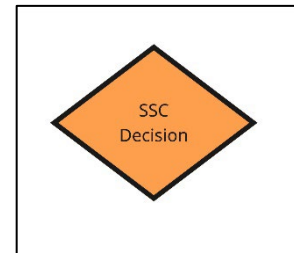
In Figure 5.1, DSC actions are shown as blue squares and DSC decisions are shown as blue diamonds (examples shown in the image on the right). The DSC may have more than the seven members listed, if one of the selected members elects to add a designee, in which case they will jointly occupy that representative position. All DSC members and/or their designee shall be ENV SP credentialed.

5.2.2 *Statewide Sustainability Committee (SSC)*

It is expected that the SSC will select one project per year to pursue Envision verification, although the SSC may choose to recommend more projects, or no projects, depending on their potential triple bottom line benefits, scope, schedule, location, and cost. Note that the SSC does not verify projects; rather, it determines which projects should pursue Envision verification. ISI, as the third-party verifier, is the entity that provides project verification.

Membership of the SSC will include the following individuals:

1. Cabinet Secretary or designee
2. Deputy Secretary of Operations or designee
3. District Engineers or designees
4. Chief Engineer or designee
5. Sustainability staff from the Climate Action Team



In the flowchart in Figure 5.1, SSC decisions are shown in orange diamonds (example shown in the image on the right). The SSC may have more than the five members listed, if one of the selected members elects to add a designee, in which case they will jointly occupy that representative position. All SSC members and/or their designee shall be ENV SP credentialed.

5.3 **Project Sustainability Outcomes**

The flowchart in Figure 5.1 includes four potential project outcomes with varying levels of sustainability features. Project sustainability outcomes are a result of the project screening level and DSC decisions regarding the project's potential for sustainability features. The four potential sustainability outcomes are:

- 1) **Guideline Sustainability Features:** Sustainability elements that can be integrated during maintenance or replacement of existing assets. Guidelines will be developed as a future

task of the NMDOT Sustainability Program, creating standard practices that may be applied across all projects, where applicable.

- 2) **Enhanced Sustainability Features:** Enhanced sustainability features beyond the Guideline Sustainability Features. DSCs will use the NMENV-Lite Checklist to identify Enhanced Sustainability Features and decide which features to include in the project.
- 3) **Envision Sustainability Features:** Sustainability features included in Signature Projects that are *not* pursuing Envision Verification. Project teams will use the Envision Pre-Assessment Checklist to identify Envision sustainability features and the DSC will decide which features to include in the project.
- 4) **Pursuing Envision Verification:** Signature Projects that are selected by the SSC will pursue Envision Verification. The SSC and DSC will determine the sustainability features to be included in the project based on the recommendations in the Sustainability Options Report and level of Envision Verification being pursued.

Figure 5.3 shows how project screening levels relate to project outcomes.

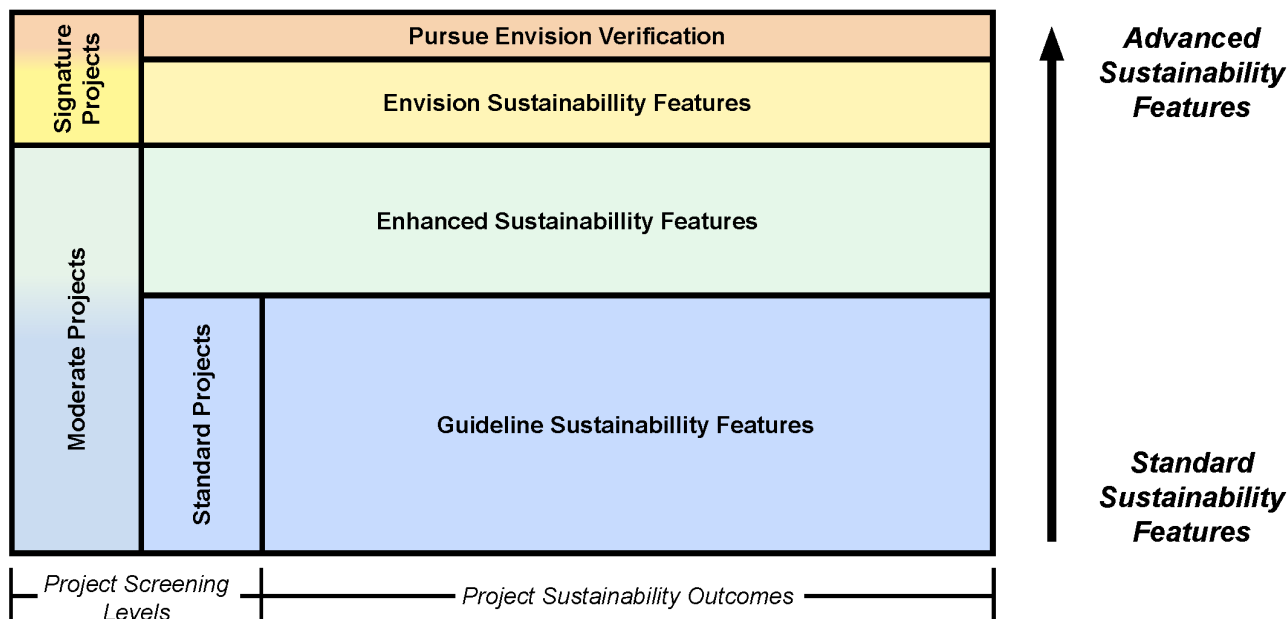


Figure 5.3 – Sustainability Outcomes of Project Screening Levels

- **Standard Projects** align with Guideline Sustainability Features.
- **Moderate Projects** follow the Enhanced Sustainability Features using the NMENV-LITE checklist or, after completion and evaluation of the checklist, the DSC may decide enhanced sustainability features are not appropriate for the project and use the Guideline Sustainability Features, if applicable, instead.

- **Signature Projects** pursuing verification will receive the highest level of sustainability features. Signature projects that do not pursue Envision Verification will still incorporate Envision sustainability features, but will not follow the Envision verification process.

6 EXECUTION OF STANDARD PROJECTS

Section 6 details the process for executing Standard Projects, which is depicted in the flowchart in Figure 5.1. Standard Projects are routine NMDOT projects, typically involving maintenance or replacement of existing assets.

6.1 Guideline Sustainability Features

Districts will use Guidelines Sustainability Features (to be developed in a later phase by the NMDOT Sustainability Program Development Team) in their delivery of Standard Projects. Sustainability guidelines will provide project teams with direction and new standard practices on how to incorporate sustainability into routine projects. The purpose is not to create additional requirements, but to encourage small, incremental improvements that collectively deliver long-term benefits and consistent application of sustainable practices statewide.

The NMDOT Sustainability Program Development Team will prepare the Guideline Sustainability Features using the Envision framework, and Districts will apply the guidelines to individual projects.

The Guideline Sustainability Features are anticipated to:

- Translate Envision credits into practical examples specific to roadway, bridge, and maintenance activities.
- Present Key Performance Indicators (KPIs) to track the achievement of sustainability goals on Standard Projects.
- Serve as a living reference document that evolves with lessons learned and best practices.

By applying these guidelines and tracking KPIs, NMDOT can ensure that even routine projects contribute meaningfully to statewide sustainability and resiliency goals, while reserving more intensive Envision efforts for Moderate and Signature Projects.

6.2 Roles and Responsibilities

- Sustainability Decisions: The DSC from each District will determine project screening levels. Guideline Sustainability Features apply to all Standard Projects. For Moderate Projects, Guideline Sustainability Features may be applied if the DSC decides not to pursue enhanced sustainability features.
- Implementation of Sustainability Features: Project implementation teams are responsible for including the Guideline Sustainability Features applicable to the project.
- Reporting: Project implementation teams are responsible for reporting which Guideline Sustainability Features were included in project delivery to the Climate Action Team at the General Office at the close of the project.

7 EXECUTION OF MODERATE PROJECTS

Section 7 details the process for executing Moderate Projects, which is depicted in the flowchart in Figure 5.1. Moderate Projects are NMDOT projects that involve construction of new assets but do not apply the Location Study Procedures.

7.1 NMENV-Lite Checklist

For projects screened as Moderate Projects, districts will complete the NMENV-Lite Checklist provided in Appendix C. The checklist is a transportation-specific, reduced version of the Envision Pre-Assessment Checklist used for Signature Projects and is intended to allow districts to identify sustainability opportunities in the Envision framework without requiring projects to follow and document the entire Envision process. The completed worksheet will help districts determine which sustainability outcomes they wish to include in the project, a format for assessing the anticipated design and construction cost changes, and suggested actions and approaches to enhance the project's sustainability.

This checklist should be completed by the districts during internal scoping and initial project development so that sustainability considerations are included in subsequent scopes of work. The initial NMENV-Lite Checklist responses should be updated throughout project development, as some of the responses may change once more details are known about the project.

After completion of the checklist, the DSC may decide not to pursue enhanced sustainability features. If no enhanced features are identified, the project should still include any applicable Guideline Sustainability Features.

7.2 Cost Estimation

The NMENV-Lite Checklist will include tools for estimating the high-level planning costs of enhanced sustainability features. For Moderate Projects, design and construction costs of sustainability features should be:

- Estimated at Preliminary Design Stage: Costs for sustainability options should be identified early using planning estimates and NMDOT's unit price references.
- Integrated into Project Budget: If selected, sustainability features should be considered an integral part of the baseline project scope and budget rather than add-ons.
- Consider Triple Bottom Line Benefits: Decisions should weigh both project costs and the resulting social, environmental, and economic benefits achieved by the project.

7.3 Roles and Responsibilities

- Checklist Completion: The Project Development Engineer/manager, with collaboration and input from appropriate NMDOT staff and an NMDOT sustainability expert, completes the NMENV-Lite Checklist during internal scoping and at the beginning of project development process.
- Results Evaluation: The District Sustainability Committee (DSC) reviews the checklist to ensure responses are documented and reasonable. The DSC then makes recommendations regarding which enhanced sustainability features to include in project delivery, or if the project should only use applicable Guideline Sustainability Features. These recommendations should be based on feasibility, cost, sustainability benefits, schedule impacts, and other factors.
- Sustainability Decisions: The District Engineer (or designee) makes the final decision on which sustainability features will be included in the project scope, based on DSC recommendations.

7.4 Communication With General Office

The initial decision on which sustainability features will be included in the project should be documented and communicated to the Climate Action Team. The project team should then provide annual updates to the Climate Action Team and an update once the project is completed on which features were delivered in the final project.

8 EXECUTION OF SIGNATURE PROJECTS

Section 8 details the process for executing Signature Projects, which is depicted in the flowchart in Figure 5.1. Signature Projects are all NMDOT projects that follow the Location Study Procedures.

8.1 Complete Envision Pre-Assessment Checklist

During the Location Study Procedures, the Location Study team will complete the Envision Pre-Assessment Checklist provided in Appendix B. The checklist evaluates projects across Envision's five categories—Quality of Life, Leadership, Resource Allocation, Natural World, and Climate & Resilience—providing a structured and comprehensive framework that aligns closely with NMDOT's planning, design, and NEPA procedures.

The 318-question Envision Pre-Assessment Checklist should be used as a guide throughout the Location Study Procedures. Although it is not reasonable to expect the study team to complete the full checklist for every alternative, the team should consult the checklist at the earliest phases of alternative development (Phase 1A) and throughout the Location Study Procedures to ensure that opportunities for enhanced public involvement, stakeholder inclusion, and other planning-related sustainability considerations are not missed. Additionally, the checklist should be used to inform alternative evaluation criteria so that sustainability is considered during the alternative analysis process.

The full checklist should be completed for the recommended alternative during Phase 1B to help study teams recommend sustainability outcomes that could be included in the design phase for the proposed project. The study team will complete the checklist for at least three Envision verification levels, as described in Section 8.2. The study team should facilitate and lead the preparation of the Envision Pre-Assessment Checklist, in coordination with the appropriate DSC and NMDOT sustainability staff.

Integrating the Envision Pre-Assessment Checklist into NMDOT's Location Study Procedures ensures that sustainability and resiliency principles are systematically applied during the early phases of transportation planning and project development. Unlike Standard and Moderate Projects, Signature Projects require the full pre-assessment checklist to capture the maximum number of sustainability opportunities and to prepare for possible Envision verification.

8.2 Prepare Sustainability Options Report

Once the Envision Pre-Assessment Checklist is complete, a Sustainability Options report should be prepared by an ENV SP as part of the Location Study documents. The Sustainability Options Report will describe the actions needed to achieve at least three different levels of Envision verification (Verified, Silver, Gold, or Platinum). The report should include completed Envision Pre-Assessment Checklists for three verification levels, along with anticipated design and

construction costs, required subject matter experts, and anticipated sustainability benefits. An outline for the required Sustainability Options Report is provided in Appendix A.

8.3 Evaluate Sustainability Options Report Findings

Prior to the finalization of the location study report, the DSC will evaluate the Sustainability Options Report and determine which level of verification is appropriate given the project schedule, costs, benefits, and sustainability features. The District Engineer should make the final decision regarding the level of verification to pursue, if any, and which sustainability features to include in project delivery. The District Engineer's decision about which verification level (if any) and project features should be incorporated into the final location study report. If the District Engineer decides to recommend that NMDOT pursue verification at any level, the recommendation should advance to the SSC for evaluation.

The SSC will then evaluate District-recommended projects and make a decision on whether the project will pursue Envision verification. NMDOT anticipates that each DSC will submit at least one project annually to the SSC. The SSC evaluation will be a subjective process and will be based on wide range of qualitative information. This might include: project location, surrounding land use, funding partners and sources, schedule, cost, urban or rural area, average daily traffic, pedestrian use, bicycle use, environmental conditions, resilience characteristics, potential TBL benefits, and similar factors. The SSC will also consider the DSC recommendation, other pending District projects, statewide needs, funding, and other considerations in determining which projects will pursue Envision verification.

8.4 Determine Which Sustainability Features to Include for Signature Projects Not Pursuing Verification

As noted above, if verification is not recommended by the SSC, the DSC and the District Engineer should evaluate the Sustainability Options Report to determine which sustainability features will still be included in the project. The DSC should consider the following factors in making this determination:

- **Feasibility:** Design compatibility, constructability, and environmental compliance.
- **Costs:** Short-term capital costs and long-term operations and maintenance costs.
- **Stakeholder Concerns:** Community and agency input.
- **Sustainability Benefits:** Anticipated social, environmental, and economic benefits.

Features chosen for inclusion will be advanced into preliminary design, documented as an update to the Sustainability Options Report, and carried into procurement and construction specifications. For those projects not pursuing Envision verification, project teams should use the Envision Pre-Assessment Checklist and Sustainability Options Report throughout design and construction to assist with implementation of sustainability features.

At project closeout, the project team will refer to the Pre-Assessment Checklist to validate which sustainability measures were included. Sustainability features will then be reported back to the Climate Action Team to assist them with Sustainability Program monitoring and reporting.

8.5 Register Projects Seeking Verification with the Institute for Sustainable Infrastructure

If the SSC determines that verification should be pursued, the project team's ENV SP will register the project on the ISI website, which as of 2026 has a cost of \$2,000. Project registration and verification fees can be found at <https://sustainableinfrastructure.org/project-verification/verification-fees/>.

8.6 Design Project, Prepare Coversheets, and Prepare Supporting Documentation

If the SSC determines that verification should be pursued, the project team will proceed with design using updated design procurement guidance, design manuals, specifications, details, and Envision templates that will be prepared by the Sustainability Program Development Team during the development of the NMDOT Sustainability Program.

8.7 Construct Project, Prepare Coversheets, and Obtain Construction-Related Supporting Documentation

For projects pursuing verification, the project team will proceed with project construction using updated construction procurement guidance, specifications, and details that will be prepared by the Sustainability Program Development Team during the development of the NMDOT Sustainability Program. The construction contractor will provide the specified supporting documentation required to apply for Envision verification.

8.8 Apply for Verification

Using either Pathway A or B (as outlined in Section 4.3.4) the project team will make the first verification submittal to ISI, address comments, and then make the second verification submittal to ISI. If supporting documentation is sufficient, ISI will issue a verification award after reviewing the second submittal.

9 INTEGRATING SUSTAINABILITY INTO PROJECT PLANNING AND DESIGN

By 2028, the Sustainability Program Development Team will create new tools and resources to implement the NMDOT Sustainability Program implementation during project planning and design.

9.1 Planning and Design Services Procurement

Enhanced sustainability benefits can only be identified and incorporated into the delivered project if the professionals working on the project are directed to consider them and if they are qualified to do so. The Sustainability Program Development Team will create procurement guidance to assist NMDOT in issuing requests for proposals (RFPs) for consultant services. New procurement guidance will include model language, evaluation criteria, and minimum requirements for consultant proposals. The team will also create an addendum to the Consultant Services Handbook, which describes the NMDOT's procedures for contracting consultants.

9.2 Addendum to the Location Study Procedures and Tribal/Local Public Agency (T/LPA) Handbook

The Sustainability Program Project Development Team will review the Location Study Procedures and T/LPA Handbook and make recommendations for integrating sustainability into the project development processes. The team will create addenda to these documents that will include:

- Consideration of which Envision credits should be considered at which stage of the project development process.
- Notation of sustainability checkpoints in the project development process to ensure sustainability is being considered throughout.
- Inclusion of the Envision Pre-Assessment Checklist and reference to this SPIAP, to inform study teams on how to incorporate Envision into their workflows.
- Recommendations for integrating Envision considerations into T/LPA projects, such as through use of the NMENV-Lite Checklist.

Tasks to be Completed by the Sustainability Program Development Team Related to Planning and Design:

- Recommend updates to engineering consultant services RFP templates and engineering scope of services template.
- Create an addendum to the Consultant Services Handbook.
- Write addenda to the Location Study Procedures, T/LPA Handbook, and the NMDOT Design Manual.
- Write Envision Commentary interpreting 15 Envision credits.
- Develop training materials on integrating sustainability during Location Study Procedures and project design.
- Develop training materials for design teams on integrating ten common Envision credits into design.

9.3 Integration into the NMDOT Design Manual

The NMDOT Sustainability Program Development Team will create an addendum to the NMDOT Design Manual with technical recommendations for incorporating Sustainability Program elements. Relevant changes will be incorporated into the NMDOT Design Manual as appropriate under a separate initiative. Opportunities for sustainability requirements within the current document structure could potentially include:

- *Chapters 100–120 (Introduction, Project Development, Planning & Programming):* Incorporate achievement of sustainability outcomes using Envision into scoping, planning, and project prioritization.
- *Chapters 130–140 (Environmental & Design Submittals):* Identify how NEPA analysis and environmental permitting requirements sometimes partially overlap with Envision documentation requirements. Identify and address gaps.
- *Chapters 200–210 (Project Management & Design Criteria):* Apply Envision to project management practices, stakeholder engagement, and evaluation of design variances.
- *Chapters 300–900 (CADD, Roadway, Drainage, Structures, Materials):* Ensure design standards integrate Envision guidance on multimodal design, sustainable materials, stormwater quality, and resilient structures.
- *Chapters 1000–1200 (Geotechnical, Utilities, ROW):* Include sustainability considerations in geotechnical investigations, utility coordination, and right-of-way practices.

9.4 Envision Commentary

The NMDOT Sustainability Program Development Team will prepare an Envision Commentary document, which will provide additional guidance for 15 of the 64 Envision credits, tailoring the credit requirements to NMDOT project needs. The commentary will provide streamlined guidance and interpretation of Envision credits so that the credit requirements can be easily incorporated into project design, construction, operations, and maintenance.

9.5 Summary

The Sustainability Program Development Team will prepare procurement guidance, addenda to existing design and project process documents, commentary on Envision credits, and training materials to incorporate sustainability into project planning and design. Coupled with NMDOT's Project Lifespan, a separate initiative to assist with scoping and project tracking, these efforts will ensure that sustainability considerations are incorporated into early planning and throughout the design process.

10 INTEGRATING SUSTAINABILITY INTO PROJECT CONSTRUCTION

By 2028 the Sustainability Program Development Team will create new tools and resources to implement the NMDOT Sustainability Program during project construction.

10.1 Construction Services Procurement

In order to include enhanced sustainability benefits in a project, construction contractors must be instructed to incorporate them. The NMDOT Sustainability Program Development team will create procurement guidelines to help NMDOT issue Bidding Documents, including boilerplate/front ends and Invitations to Bid for construction contracts.

10.2 Construct Project Following Guideline Sustainability Features

For Standard and Moderate projects using the Guideline Sustainability Features, construction contractors will be expected to implement the sustainable practices outlined in the new guidelines. Contractors will demonstrate compliance through the standard submittal and shop drawing process, confirming that specified materials, methods, and practices will be used. No additional documentation will be required beyond what is already included in the design package.

NMDOT staff, inspectors, and engineers should refer to the training materials that will be prepared by the Sustainability Program Development Team. These materials will clarify what sustainability features will be included in typical project designs, how to check for compliance during construction, and how to track these measures in project records. This ensures that even routine projects will maintain consistency in sustainability practice without creating unnecessary administrative effort.

10.3 Construct Project with Enhanced or Envision Sustainability Features

For Signature Projects or Moderate Projects with enhanced sustainability features, construction contractors will play a more active role. In these cases, NMDOT will follow the bidding documents that will be prepared by the Sustainability Program Development Team. These materials will detail roles, responsibilities, and expectations for sustainability oversight during construction.

Tasks to be Completed by the Sustainability Program Development Team Related to Construction:

- Recommend updates to construction service bidding documents.
- Prepare five new construction specifications and revise five standard construction specifications to include sustainability considerations.
- Develop training materials on construction specifications.
- Provide Envision documentation for the I.25/University Envision-verified project.

Contractors on these projects will also be expected to consult the forthcoming training materials, which will provide guidance on implementing sustainability features, documenting performance, and coordinating with NMDOT sustainability staff and ENV SP professionals.

When projects pursue Envision verification, contractors must contribute actively to the documentation effort. This will require preparing and updating supporting documentation related to construction activities. This document could include material certifications, waste management records, workforce training logs, and erosion control reports, among others. These requirements will be outlined in special provisions and/or specifications included in project contracts, ensuring that contractors understand the verification expectations and provide the necessary deliverables. The NMDOT Sustainability Program Development Team will make available the Envision submission materials for the I-25/University verified project as an example to assist with preparing submission materials.

10.4 Summary

In summary, construction integration under this plan ensures that:

- **For projects following the Guideline Sustainability Features** (Standard and some Moderate Projects), contractors simply confirm compliance with sustainable design requirements through existing processes.
- **For projects with enhanced or Envision Sustainability Features** (most Moderate Projects and all Signature Projects), contractors are responsible for enhanced documentation and, for projects pursuing Envision verification, for supporting the verification process through structured credit documentation.

This phased approach balances practicality for routine projects with rigor for Signature Projects, ensuring that construction practices consistently reflect NMDOT's commitment to sustainability and resiliency.

11 MONITORING AND REPORTING SUSTAINABILITY ACTIVITIES

This section outlines metrics and reporting processes to measure the success of the NMDOT Sustainability Program.

11.1 Key Performance Indicators (KPIs)

An initial list of KPIs has been developed to measure success for procurement processes and project execution. Once further sustainability guidance, standards, and specifications have been developed, this list will be amended to track sustainability features more specifically.

- **Procurement**
 - Percentage of procurement documents that include sustainability clauses.
 - Percentage of consultant contracts that require ENV SP participation.
- **Standard Projects**
 - Percentage of projects using Guideline Sustainability Features.
 - Percentage of projects using Envision Commentary.
- **Moderate Projects**
 - Percentage of projects using the NMENV-Lite Checklist.
 - Percentage of projects using Envision Commentary.
- **Signature Projects**
 - Number of Signature Projects pursuing verification and at what level.
 - Number of Signature Projects not pursuing verification but incorporating sustainability features.
 - Percentage of design reviews that incorporate Envision-based assessments.
 - Number of projects that successfully use special pay items or special specifications to deliver sustainability features.
 - Number of verified projects and at what level.
- **General Program Tracking**
 - Annual survey for NMDOT staff and industry partners to assess the success and limitations of the NMDOT Sustainability Program.

11.2 Reporting Processes

KPIs will be tracked by the project team responsible for executing the project and will be submitted to the Climate Action Team. The Climate Action Team will be responsible for developing a statewide tracking system to compile and report on sustainability metrics.

At a minimum, all project teams should submit sustainability documentation to the Climate Action Team after the project is complete. For projects using the NMENV-Lite Checklist, updates should be submitted to the Climate Action Team following each phase of the project, when the checklist is updated. Documentation for Signature Projects should also be submitted following each project phase. Pursuing Envision verification will require extensive communication with the Climate Action Team, who should be informed on the credits being pursued by the project team.

For more information on staffing and the Climate Action Team, reference Section 12.



I-25/Nogal Canyon Bridge, north of Elephant Butte. Photo: Molzen Corbin.

12 SUSTAINABILITY PROGRAM STAFFING

The implementation of the NMDOT Sustainability Program is designed to minimize major process adjustments and staffing changes by leveraging, as much as possible, existing processes and staff at the Regional Design Centers, District Offices, and General Office. However, additional staff are recommended for successful implementation and support of the sustainability program.

NMDOT has an established Climate Action Team consisting of three full-time staff members located in the Strategic Infrastructure Development Division under the Research Bureau. The Climate Action Team should be involved in the support of the implementation plan and can do so through the following:

- Management of potential funding for sustainability enhancements.
- Tracking the sustainability features of projects in each of the three project screening levels.
- Annual reporting on NMDOT sustainability efforts.
- Serve as subject matter experts to the District Offices and Regional Design Centers for all Signature Projects as needed.

It is recommended that the qualifications for each of the existing three positions within the Climate Action Team be updated to require employees in those positions hold the Envision Sustainability Professional (ENV SP) credential offered by ISI. This will position the Climate Action Team to be able to provide the best support to the Regional Design Centers and District Offices.



I-10/I-25 Interchange. Las Cruces. Photo: Molzen Corbin.

As outlined in Sections 5 and 7, there is a new Statewide Sustainability Committee (SSC) established to support the implementation of the sustainability program. This committee should include at least one sustainability specialist from the Climate Action Team. To fill this role and to serve as sustainability subject matter experts for all NMDOT staff, at least two new positions should be created within the Climate Action Team with the following duties:

- Membership and technical support to the DSCs and SSC (each position assigned to coordinate with three of the six NMDOT Districts).
- Technical support to the Regional Design Centers and District Offices for all Moderate and Signature Projects as needed.
- Coordinate with General Office, Regional Design Centers, and District Offices on NMDOT Sustainability Program initiatives.

An example job description is provided as Appendix D.

13 ENVISION TRAINING

Implementation of the NMDOT Sustainability Program will require training of both internal NMDOT personnel and external industry staff involved in project planning, design, construction, and operations. The following subsections outline the proposed training activities.

13.1 Introductory Briefings

Introductory briefings will be offered to those who would like to have a high-level understanding of Envision, but do not wish to become Envision Sustainability Professionals (ENV SPs) by attending the 8-hour training session and taking the online exam. Briefings will be one to two hours long, and the frequency of the briefings will be adjusted based on attendance and demand.

Briefings will define sustainability and resilience, provide an overview of state sustainability policies and plans, describe ISI and Envision, outline the main elements of Envision, share the details of one or two example Envision credits to illustrate the verification process, describe the Envision Pre-Assessment Checklist, and outline the Envision verification process.



NMDOT Sustainability Program Introduction at TransCon 2025.

13.2 ENV SP Credential Training Sessions

The ENV SP Credential Training will include presentation of material defined by ISI to prepare attendees to pass the online credentialing test. The 8-hour training sessions will include approximately two hours of lecture and approximately six hours of interactive breakout group discussion of six case studies.

Initially, a minimum of five credential training courses will be offered. Additional sessions will be added based on demand.

To register for the course and to gain access to the online ENV SP credentialing test, each attendee must create a free account on ISI's website at www.sustainableinfrastructure.org. Attendees need to pass the online test to receive their ENV SP credential.

An ENV SP credential is valid for one year. To maintain their credential, ENV SPs need to complete seven hours of continuing education annually and pay an annual renewal fee. NMDOT can pay the renewal fee for all ENV SPs affiliated with the NMDOT organization, if desired.

13.2.1 ENV SP Credential Training for Industry Partners

The 8-hour credential training course will be open to industry partners for a nominal fee. Training sessions will be advertised to the leadership of the following organizations:

- New Mexico American Planning Association (NMAPA)
- American Society of Civil Engineers (ASCE)
- American Council of Engineering Companies (ACEC)
- The Association of General Contractors (AGC)
- Asphalt Pavement Association of New Mexico (APANM)
- Associated Contractors of New Mexico (ACNM)

14 ENGAGEMENT AND INCENTIVES TO SUPPORT ADOPTION OF ENVISION

A variety of incentives for NMDOT staff and consultants/contractors will encourage the adoption of sustainability features into NMDOT projects. The following section outlines new incentives and awards and describes procedures for tracking sustainability and ensuring accountability.

14.1 Incentive Program

14.1.1 Purpose

The purpose of the incentive program is to encourage widespread adoption of sustainability practices across all phases of project delivery: planning, design, construction, and maintenance. By rewarding individuals and teams who embrace the Envision framework, NMDOT will build a culture of continuous improvement, innovation, and accountability in sustainability performance.

14.1.2 Program Elements

1. Recognition-Based Incentives

- *ISI Envision Verification Award:* The ISI Envision Award is the highest honor awarded under the Sustainable Program. Once a project has been third-party Verified by ISI, the Verified, Silver, Gold, or Platinum Award will be presented to the team members at the most convenient Transportation Commission Meeting for the project team to attend. Individual plaques will be prepared for the General Office, District Office, consultant firms, and contractors for display in their awards case.
- *Sustainability Awards:* Annual awards will be presented at the NMDOT statewide conferences (e.g. TransCon and the Paving Conference) recognizing outstanding sustainability achievements in planning, design, construction, and maintenance.
- *Project Spotlights:* Exemplary projects, innovation, and leadership will be highlighted in NMDOT newsletters, press releases, and website.
- *Certificates of Achievement:* Certificates of achievement will be issued to project teams or contractors that meet or exceed Guideline Sustainability Features.

2. Professional Development Incentives

- *Training and Credentialing Support:* NMDOT will cover costs and provide professional development credits for NMDOT staff to pursue and maintain ENV SP accreditation or sustainability-related training.
- *Participation in Leadership:* NMDOT staff that maintain their ENV SP credentials become eligible for many statewide project development and leadership support roles including the DSC potential designee, the SSC potential designee, or project development strategic support on individual projects that lead to higher verification credits.

- *Continuing Education Credits:* NMDOT will integrate sustainability participation into its internal professional development tracking systems, providing formal credit for advancing professional skills.

3. Performance-Based Incentives

- *Procurement Preferences:* Contractors and consultants who demonstrated sustainability leadership in past projects may receive additional scoring credit in proposal evaluations.
- *Operation & Maintenance Recognition:* District maintenance crews that consistently implement sustainable practices (e.g., high recycled content, effective erosion control, waste reduction) receive District-level recognition and priority consideration for new equipment or pilot programs.

4. Team Collaboration Incentives

- *Cross Division Acknowledgment:* Incentives will reward collaboration across planning, design, construction, and O&M, emphasizing that sustainability outcomes are achieved collectively.
- *Pilot Project Participation:* Staff and contractors involved in successful sustainability pilot projects will gain priority for involvement in future innovative projects.

14.1.3 Tracking and Accountability

Incentives will be tied to measurable performance outcomes documented through:

- *Project Performance Reports:* NMDOT will track sustainability features of projects in Standard, Moderate, and Signature Projects.
- *Verification Results:* Documenting ISI Envision scores achieved by Signature Projects.
- *KPIs by Districts:* Tracking sustainable materials use, training participation, and O&M adoption of Envision practices for each District.

14.1.4 Summary

The incentive program will create positive reinforcement for sustainability participation at every level of NMDOT's project delivery process. By combining recognition, professional development, procurement advantages, and team-based rewards, the program ensures that sustainability is not only a requirement but also a source of pride and achievement for NMDOT staff, contractors, consultants, and maintenance crews.

15 IMPLEMENTATION ACTION PLAN SCHEDULE

The implementation of the NMDOT Sustainability Program will be a multi-year effort, and will generally follow the schedule illustrated in Figure 15.1. The procurement documents will be the initial focus, followed by construction specifications. Planning and design documents will then be developed. Training for both internal and external stakeholders will be ongoing throughout the program development, as shown on the schedule below.

Tasks		2026			2027				2028	
		2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q
Task 2	Implementation Plan									
Task 3	Procurement Documents									
	Consultant Services Manual									
	Engineering RFP Services									
	Engineering Scope of Services									
	Construction Bidding Documents									
Task 4	Training									
	Training Credentialing, ENV SP									
	Training Short & External	As Needed								
Task 5	Training Materials									
	Training Videos									
	Case Studies									
	Demonstration Project									
Task 6	Construction Specifications									
	Five NMDOT Standard Specifications									
Task 7	Annual Report									
	Annual Report									
Task 8	Document Update									
	Design Manual Addendum									
	Location Procedures Manual Addendum									
	TLPA Addendum									

*This schedule is subject to change based on NMDOT decision making timeframe on Draft and Final Documents.

Figure 15.1– Implementation Schedule

16 IMPLEMENTATION ACTION PLAN REVISIONS

This implementation action plan is a living document that will be updated based on the experience of the NMDOT and NMDOT Sustainability Program Development Team working on program development and rollout as well as based on feedback from NMDOT managers, staff, and industry partners during implementation. The revision process is described in more detail in the subsections below.

16.1 Revise Based on Program Development Experience

During program development, the Sustainability Program Development Team will interview NMDOT staff and external partners. The interviews will gather feedback on existing standards, policies, and draft Sustainability Program documents and tools. Draft program elements will be shared iteratively until the program is considered complete. This process will allow NMDOT staff, consultants, and contractors to share feedback and influence the design of the program prior to its adoption. Revisions to this implementation plan will be made as needed to reflect any changes to the program development process.

16.2 Revise Based on Implementation Experience

After an initial program rollout period of one to two years, the program will be considered operational. Feedback will be encouraged during ongoing operations.

NMDOT staff, consultants, and contractors will be invited to provide feedback through an annual survey. Sustainability program management will review the survey results and will make program changes as appropriate.



I-25 and NM-14 Cerillos Road in Santa Fe. Photo: Molzen Corbin.

17 CONCLUSION

The Sustainability Program Implementation Action Plan (SPIAP) establishes a clear and achievable roadmap for integrating sustainability and resilience into every phase of New Mexico’s transportation project lifecycle—from planning and design through construction, operations, and maintenance. By aligning with the ISI *Envision* Framework, NMDOT demonstrates a commitment to not only meet regulatory requirements but also to lead by example in the responsible stewardship of public resources and the environment.

This SPIAP provides the foundation for embedding sustainability into NMDOT’s organizational culture and daily operations. It defines practical tools, procedures, and training programs that will allow Districts, design teams, contractors, and maintenance crews to adopt sustainable practices. It also establishes accountability through performance metrics, committee oversight, and periodic program review, ensuring continuous improvement and long-term relevance.

Equally important, the SPIAP encourages collaboration among NMDOT staff, consultants, contractors, and community partners. Through this shared effort, NMDOT can deliver infrastructure that supports mobility, strengthens resilience, and enhances the quality of life for all New Mexicans. Over time, as new tools are developed, learned lessons are incorporated, and pilot projects mature into standard practice, NMDOT will continue to advance a transportation system that is more sustainable, adaptable, and enduring for future generations.

APPENDICES

Appendix A – Sustainability Options Report Outline

Appendix B – Envision Pre-Assessment Checklist

Appendix C – NMENV-Lite Checklist

Appendix D – Sustainability Program Staffing Structure Job Description

APPENDIX A

SUSTAINABILITY OPTIONS REPORT OUTLINE

I. INTRODUCTION

- A. Purpose
- B. Approach
- C. Document Organization

II. VERIFIED SUSTAINABILITY PLAN

- A. Additional Planning and Engagement Tasks
 - 1. Quality of Life
 - 2. Leadership
 - 3. Resource Allocation
 - 4. Natural World
 - 5. Climate and Resilience
- B. Additional Design Tasks
 - 1. Quality of Life
 - 2. Leadership
 - 3. Resource Allocation
 - 4. Natural World
 - 5. Climate and Resilience
- C. Estimated Planning and Design Costs
- D. Sustainability Features

III. SILVER SUSTAINABILITY PLAN

- A. Additional Planning and Engagement Tasks
 - 1. Quality of Life
 - 2. Leadership
 - 3. Resource Allocation
 - 4. Natural World
 - 5. Climate and Resilience
- B. Additional Design Tasks
 - 1. Quality of Life
 - 2. Leadership
 - 3. Resource Allocation

- 4. Natural World
 - 5. Climate and Resilience
- C. Estimated Planning and Design Costs
- D. Sustainability Features

IV. PLATINUM SUSTAINABILITY PLAN

- A. Additional Planning and Engagement Tasks
 - 1. Quality of Life
 - 2. Leadership
 - 3. Resource Allocation
 - 4. Natural World
 - 5. Climate and Resilience
- B. Additional Design Tasks
 - 1. Quality of Life
 - 2. Leadership
 - 3. Resource Allocation
 - 4. Natural World
 - 5. Climate and Resilience
- C. Estimated Planning and Design Costs
- D. Sustainability Features

V. PLAN COMPARISON

- A. See Table 5-1 Sustainability Plan Comparison

Table AA-1 Sustainability Plan Comparison

	BASELINE	MODERATE	ASPIRATIONAL
Quality of Life Sustainability Features			
Leadership Sustainability Features			
Resource Allocation Sustainability Features			
Natural World Sustainability Features			
Climate and Resilience Sustainability Features			
Estimated Planning and Engagement Costs			
Estimated Design Costs			
Estimated Construction Costs			
Estimated Total Costs			
Anticipated Verification Award			

APPENDIX B

Envision Pre-Assessment Checklist

Envision® v3 Pre-Assessment Checklist



PURPOSE:

The Envision v3 Pre-assessment Checklist is intended to support incorporating Envision early in the planning and conceptual design project phases. The purpose of the checklist is to help project teams quickly identify whether they are addressing the full range of sustainability criteria.

The checklist presents the Envision criteria as yes/no questions, and the results are presented as an estimate of the possible score a project may achieve. Projects that address few of the assessment questions may have the opportunity for improvement by revisiting their project objectives and expanding their sustainability considerations to address more criteria. Projects that address many of the assessment criteria demonstrate that their approach was sufficiently broad. These projects may be good candidates for setting more detailed performance goals and objectives using the Envision guidance manual.

This evaluation can be used as the foundation for a future Envision rating system assessment but does not replace the rating system assessment. Users should reference the Envision v3 Guidance Manual when completing the pre-assessment checklist.

ORGANIZATION:

Each category tab lists the Envision credits and assessment questions. There are five tabs, one for each of the Envision categories: Quality of Life, Leadership, Resource Allocation, Natural World, and Climate and Resilience. There are a total of 59 credits (not including innovation credits). Each credit contains an intent, metric, and assessment questions. The intent describes the purpose of the credit and how it contributes to sustainability. The metric explains how the project team can be successful in meeting the intent of the credit.

Users are first asked to identify whether a credit is applicable or not by selecting 'yes' or 'no'. The points associated with credits deemed not applicable by selecting 'no' are set as zero. For those credits deemed to be applicable by selecting 'yes' users are to address the subsequent assessment questions. The assessment questions determine if the project meets the intent for that credit. The questions require users to select 'yes' or 'no' from a drop down menu. Some questions will also require a user to select an additional response from a drop down list below the specific question - these questions have the prompt 'select from one of the following'. Questions left unaddressed are assumed to be answered as 'no'.

As each question is addressed, the *Results* tab is automatically updated. The *Results* tab summarizes whether a credit has been assessed, not assessed, or not applicable. It presents the total number of questions answered yes and no, the total score based on the questions addressed, and the total assessed maximum points available based on applicable credits. The *Results* tab also includes a total maximum points available summary.

Note that the Envision v3 Pre-assessment Checklist results do not directly correspond to Envision rating system scores. While the checklist asks whether criteria are being considered, the rating system more deeply evaluates the level of achievement for each credit. The checklist results are not verified by ISI and are not eligible for ISI awards.

For more information about Envision visit:

www.sustainableinfrastructure.org

	Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
		Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Materials	RA1.1 Support Sustainable Procurement Practices	0	0	0	0	0	0	--	0	12	12
	RA1.2 Use Recycled Materials	0	0	0	0	0	0	--	0	16	16
	RA1.3 Reduce Operational Waste	0	0	0	0	0	0	--	0	14	14
	RA1.4 Reduce Construction Waste	0	0	0	0	0	0	--	0	16	16
	RA1.5 Balance Earthwork On Site	0	0	0	0	0	0	--	0	8	8
Energy	RA2.1 Reduce Operational Energy Consumption	0	0	0	0	0	0	--	0	26	26
	RA2.2 Reduce Construction Energy Consumption	0	0	0	0	0	0	--	0	12	12
	RA2.3 Use Renewable Energy	0	0	0	0	0	0	0	0	24	24
	RA2.4 Commission & Monitor Energy Systems	0	0	0	0	0	0	--	0	14	14
Water	RA3.1 Preserve Water Resources	0	0	0	0	0	0	0	0	12	12
	RA3.2 Reduce Operational Water Consumption	0	0	0	0	0	0	0	0	22	22
	RA3.3 Reduce Construction Water Consumption	0	0	0	0	0	0	--	0	8	8
	RA3.4 Monitor Water Systems	0	0	0	0	0	0	--	0	12	12

	Credit Assessment Status	Evaluation Questions Assessed	Assessment Status						Assessed Maximum Points Available	Total Maximum Points		
			Yes	No	Improved	Enhanced	Superior	Conserving			Restorative	Points
Siting	NW1.1	Preserve Sites of High Ecological Value	0	0	0	0	0	0	0	22	22	
	NW1.2	Provide Wetland & Surface Water Buffers	0	0	0	0	0	0	0	20	20	
	NW1.3	Preserve Prime Farmland	0	0	--	0	0	0	0	16	16	
	NW1.4	Preserve Undeveloped Land	0	0	0	0	0	0	0	24	24	
	NW2.1	Reclaim Brownfields	0	0	0	0	0	0	0	22	22	
Conservation	NW2.2	Manage Stormwater	0	0	0	0	0	0	0	24	24	
	NW2.3	Reduce Pesticide & Fertilizer Impacts	0	0	0	0	0	0	0	12	12	
	NW2.4	Protect Surface & Groundwater Quality	0	0	0	0	0	0	0	20	20	
	NW3.1	Enhance Functional Habitats	0	0	0	0	0	0	0	18	18	
	NW3.2	Enhance Wetland & Surface Water Functions	0	0	0	0	0	0	0	20	20	
Ecology	NW3.3	Maintain Floodplain Functions	0	0	0	0	0	0	0	14	14	
	NW3.4	Control Invasive Species	0	0	0	0	0	0	0	12	12	
	NW3.5	Protect Soil Health	0	0	--	0	0	0	0	8	8	



	Credit Assessment Status	Evaluation Questions Assessed		Assessment Status						Assessed Maximum Points Available	Total Maximum Points
		Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points		
Emissions	CR1.1 Reduce Net Embodied Carbon	0	0	0	0	0	0	--	0	20	20
	CR1.2 Reduce Greenhouse Gas Emissions	0	0	0	0	0	0	0	0	26	26
	CR1.3 Reduce Air Pollutant Emissions	0	0	0	0	0	0	0	0	18	18
Resilience	CR2.1 Avoid Unsuitable Development	0	0	0	0	0	0	0	0	16	16
	CR2.2 Assess Climate Change Vulnerability	0	0	0	0	0	0	--	0	20	20
	CR2.3 Evaluate Risk and Resilience	0	0	0	0	0	0	--	0	26	26
	CR2.4 Establish Resilience Goals and Strategies	0	0	--	0	0	0	--	0	20	20
	CR2.5 Maximize Resilience	0	0	0	0	0	0	--	0	26	26
	CR2.6 Improve Infrastructure Integration	0	0	0	0	0	0	0	0	18	18

Credit Assessment Status	Assessment Status						Assessed Maximum Points Available	Total Maximum Points
	Yes	No	Improved	Enhanced	Superior	Conserving	Restorative	Points
59 Not Assessed	0	0	0	0	0	0	0	0
Total Points							1000	1000

Possible Award Level: No Level Achieved



Quality of Life

1. WELLBEING

QL 1.1 Improve Community Quality of Life		0 of 26 Points
Intent: Improve the net quality of life of all communities affected by the project and mitigate negative impacts to communities. Metric: Measures taken to assess community needs and improve quality of life while minimizing negative impacts. Applicability: It is likely that all projects have the ability to align project objectives with community needs and goals, identified through active engagement, in order to achieve broad community satisfaction. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team identified and taken into account community needs, goals, and issues?	-
B	Does the project meet or support the needs and goals of the host and/or affected communities?	-
C	Has the project team assessed the social impacts the project will have on the host and affected communities' quality of life?	-
D	Have the affected communities been meaningfully engaged in identifying how the project meets community needs and/or goals?	-
E	Has the project team addressed negative social impacts?	-
F	Are the affected communities satisfied that the project addresses their needs and goals as well as mitigates negative impacts?	-
G	Does the project proactively address long-term social, economic, or environmental changes that impact quality of life?	-
Yes =		0 of 7

Envision Framework Pre-Assessment Checklist

QL 1.2 Enhance Public Health and Safety	0 of 20 Points
--	-----------------------

Intent: Protect and enhance community health and safety during operation.

Metric: Measures taken to increase safety and provide health benefits on the project site, surrounding sites, and the broader community in a just and equitable manner.

Applicability: It is likely that all projects, large and small, have the ability to positively impact health and/or safety in some way. Safety actions can be relative to the scale of the project, from repainting a crosswalk to preventing major chemical spills. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Does the project meet all health and safety regulations and laws for operations?

-

B Has the project exceeded minimum legal health and safety requirements as established by regulations and laws?

-

C Does the project include health and safety improvements for the immediate surroundings?

-

D Does the project include health and safety improvements for the broader host or affected communities?

-

E Can the project team demonstrate that health and safety risks and impacts are not disproportionately borne by one community over another?

-

F Will the project provide critical infrastructure services to communities experiencing, or at risk of experiencing, imminent negative health and/or personal safety impacts?

-

Yes = 0 of 6

QL 1.3 Improve Construction Safety	0 of 14 Points
---	-----------------------

Intent: Enhance public and worker safety during construction.

Metric: Commitments and measures to monitor safety, provide feedback mechanisms, train personnel, establish security plans, and make health programs available.

Applicability: All projects that include construction have the ability to positively impact construction safety. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Have the project owner and contractor (GC/CM) made strong commitments to monitoring and improving health and safety?

-

B Does the project include reliable feedback mechanisms to identify risks, conduct hazard analyses, and communicate hazards to personnel?

-

C Does the project include safety or security training requirements for personnel?

-

D Does the project include a comprehensive security plan to protect workers, the public, and sensitive information?

-

E Does the project include health and/or well-being programs?

-

Yes = 0 of 5

Envision Framework Pre-Assessment Checklist

QL 1.4 Minimize Noise and Vibration		0 of 12 Points
Intent: Minimize noise and vibrations during operations to maintain and improve community livability.		
Metric: The extent that operational noise and vibration is assessed and mitigated, and target levels achieved.		
Applicability: Consideration is given to whether the project will have any operational noise. Noises generated by activities induced by the project, such as cars on roads, pedestrians in parks, and trucks accessing facilities, are applicable to this credit. Projects that do not include any operational noise may apply to have this credit deemed not applicable with supporting documentation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team assessed the potential for operational noise impacts on the surrounding community and/or environment?	-
B	Has the project mitigated noise generated as a result of the project?	-
C	Does the project set or adopt target noise levels?	-
D	Has the project team engaged impacted stakeholders on issues of noise and vibration impacts, mitigation strategies, and target levels?	-
E	To what extent will the project maintain or reduce existing noise levels? <u>Select one of the following:</u>	No
	None	
		Yes = 0 of 5

Envision Framework Pre-Assessment Checklist

QL 1.5 Minimize Light Pollution		0 of 12 Points
Intent: Reduce backlight, uplight, and glare without jeopardizing safety during operations. Metric: Lighting meets backlight, uplight, and glare requirements for lighting zones. Applicability: This credit is not applicable if projects do not include any exterior lighting. Certain types of projects may be required to use lighting that is incompatible with the credit requirements. This is not considered an acceptable reason for designating the credit as not applicable. Projects that are unable to demonstrate achievement in this credit are encouraged to pursue higher performance in other credits.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team conducted an assessment of lighting needs and impacts for the project?	-
B	Has the project implemented strategies to reduce light pollution?	-
C	Has the project developed a lighting plan establishing lighting zones?	-
D	Will luminaires prevent light emission above 90 degrees?	-
E	Do all project lights meet backlight, uplight, and glare (BUG) requirements for their respective lighting zones?	-
F	Does the project involve the removal or retrofitting of existing lighting so as to significantly reduce overall existing lighting?	-
Yes =		0 of 6

Envision Framework Pre-Assessment Checklist

QL 1.6 Minimize Construction Impacts		0 of 8 Points
Intent: Minimize or eliminate the temporary inconveniences associated with construction.		
Metric: Extent of issues addressed through construction management plans.		
Applicability: Consideration is given to whether the project includes construction activities with the potential to impact the quality of life of individuals. Projects that do not include construction impacts (e.g. an internal refurbishment of a private facility or extremely remote site) may apply to have this credit deemed not applicable with supporting documentation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project implemented a construction management plan or policies to address construction impacts?	-
B	Does the construction management plan mitigate noise and/or vibrations?	-
C	Does the construction management plan address safety and wayfinding for pedestrians and vehicles during construction?	-
D	Does the construction management plan maintain access to public space and amenities during construction?	-
E	Does the construction management plan address distracting or intrusive lighting during construction?	-
F	Does the construction management plan or policies include robust feedback mechanisms and performance monitoring and reporting for construction impacts?	-
Yes =		0 of 6

2. MOBILITY

QL 2.1 Improve Community Mobility and Access

0 of 14 Points

Intent: Plan the project as part of a connected network that supports all transportation modes for the efficient movement of people, goods, and services.

Metric: The extent to which the project broadens mode choices, reduces commute times, reduces vehicle distance traveled,

Applicability: Consideration is given to whether the project has any potential to impact mobility. Non-transportation projects that do not include any mobility impacts (positive or negative), and can demonstrate no potential for positively impacting mobility, may apply to have this credit deemed not applicable with supporting documentation. This credit is inherently applicable to all transportation infrastructure projects.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Is the project consistent with local transportation plans?

-

B Has the project team obtained input from the community and key stakeholders regarding issues of mobility and access?

-

C Does the project include strategies to increase capacity, manage congestion, reduce vehicle distance traveled, or lower accident rates?

-

D Has the project team worked with the community to expand mobility and access options and/or incorporate complete streets policies?

-

E Has the project team considered the long-term mobility and access needs of the community?

-

F Does the project create new or restore previous connections between communities?

-

Yes = 0 of 6

QL 2.2 Encourage Sustainable Transportation

0 of 16 Points

Intent: Expand accessibility to sustainable transportation choices including active, shared, and/or mass transportation.

Metric: The extent to which active, shared, or mass transportation options are accessible, encouraged, and supported as part of a larger integrated transportation network.

Applicability: Consideration is given to whether the project includes transportation infrastructure, or includes the frequent dependence on transportation for access to the project. This credit is applicable to all transportation infrastructure. Projects that do not include transportation infrastructure and are not accessible, unmanned, or have very small maintenance crews, may apply to have this credit deemed not applicable with supporting documentation.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Does the project provide convenient access to active, shared, or mass transportation options?

-

B Is the project configured and designed in such a way to encourage active, shared, and/or mass transportation options?

-

C Does the project include programs and facilities that support the use of active transportation and transit?

-

D Does the project contribute to a larger integrated active, shared, or mass transportation strategy for the community or region?

-

Yes = 0 of 4

Envision Framework Pre-Assessment Checklist

QL 2.3 Improve Access and Wayfinding

0 of 14 Points

Intent: Design the project to provide safe and appropriate access in and/or around the project in a way that integrates the project with the surrounding community.

Metric: Incorporating and providing clear access, safety, and wayfinding measures to accommodate emergency services and regular vehicular or pedestrian traffic.

Applicability: Consideration is given to the potential for impacting community access on or around the project site. Infrastructure that is inherently inaccessible (e.g., underground) or extremely remote (e.g., inaccessible by public roads) may apply to have this credit deemed not applicable with supporting documentation. Default restrictions on public access are not considered acceptable justification for marking the credit not applicable. This credit is automatically applicable to any project in proximity to populated areas or other development, adjacent to sensitive sites, or involving regular incoming or outgoing traffic.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Has the project addressed access, safety, and wayfinding for incident management including evacuation and emergency personnel?

-

B Does the project utilize access, safety, and signage to protect or minimize impacts on the surroundings?

-

C Does the project provide safe public access points for the benefit of the community?

-

D Does the project have a positive and transformative impact on community neighborhood access, safety, and/or wayfinding?

-

Yes =

0 of 4

3. COMMUNITY

QL 3.1 Advance Equity and Social Justice

0 of 18 Points

Intent: Ensure that equity and social justice are fundamental considerations within project processes and decision making.

Metric: Degree to which equity and social justice are included in stakeholder engagement, project team commitments, and decision making.

Applicability: This credit can be designated as not applicable for projects that do not impact the surrounding community. For example, the installation or refurbishment of systems internal to a facility that do not impact the quality or level of service provided by the infrastructure.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Does the stakeholder engagement process take into account the historic context of equity and social justice within affected communities?

-

B Has the project team assessed the social impacts the project will have on the host and affected communities?

-

C Have key members of the project team made commitments to equity and social justice within their organizations?

-

D Has the project addressed social impacts related to equity and social justice?

-

E Will the impacts and benefits of the project be distributed equitably throughout affected communities?

-

F Has the project team empowered communities to engage in the development process?

-

G Does the project positively address or correct an existing or historic injustice or imbalance?

-

Yes = 0 of 7

Envision Framework Pre-Assessment Checklist

QL 3.2 Preserve Historic and Cultural Resources

0 of 18 Points

Intent: Preserve or restore significant historical and cultural sites and related resources.

Metric: Steps taken to identify, preserve, or restore cultural resources.

Applicability: Project teams that are unable to identify any historic or cultural resources relevant to the project may apply to have this credit deemed not applicable with supporting documentation. Supporting documentation should demonstrate how stakeholder engagement activities, cultural resource studies, or equivalent, were implemented in an effort to identify possible historic or cultural resources. This credit is applicable to all infrastructure projects that impact a historic or cultural resource identified in state/provincial, national, or international registries, or identified through stakeholder engagement. This credit is also applicable, and no points achieved, for projects that cannot demonstrate a serious effort was made to identify potential historic or cultural resources.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Has the project team worked with the community and required regulatory and resource agencies to identify historic and cultural resources?

-

B Has the project team developed strategies to document, protect, or enhance historic and cultural resources to the project?

-

C Does the identification of historic/cultural resources extend beyond registries to identify important parts of the community culture?

-

D Has the project team worked with stakeholders to develop a sensitive design and approach?

-

E Does the project avoid all historic/cultural resources or fully preserve/protect their character-defining features?

-

F Does the project enhance or restore threatened or degraded historic/cultural resources in the community, or add a resource to a protected registry?

-

Yes =

0 of 6

Envision Framework Pre-Assessment Checklist

QL 3.3 Enhance Views and Local Character		0 of 14 Points
Intent: Preserve or enhance the physical, natural, and/or community character of the project site and its surroundings. Metric: Steps taken to assess valued community resources, implement preservation measures, and determine overall satisfaction. Applicability: Projects that have no public visibility or impact on views, such as underground utilities or the refurbishment of equipment within an existing facility, may submit to have this credit deemed not applicable with supporting documentation. Reviewers are unlikely to accept arguments that a publicly visible project has no impact on views or local character.		
Yes/No		
Is this credit applicable?	Yes	
Assessment Questions:		Criteria Met?
A Has the project team made a reasonable determination of community values and concerns regarding protection and enhancement of views and local character?	-	
B Has the project team implemented specific strategies to preserve or enhance views and local character?	-	
C Has the project team developed or adopted existing guidelines to preserve views and local character?	-	
D Does the project include a construction management plan to protect important natural or man-made features?	-	
E Does the community support actions taken to preserve or enhance views and local character?	-	
F Will the project result in the restoration or enhancement of views or local character?	-	
Yes =		0 of 6

QL 3.4 Enhance Public Space and Amenities		0 of 14 Points
Intent: Improve amenities and publicly accessible spaces to enhance community livability. Metric: Plans and commitments to preserve, conserve, enhance, and/or restore the defining elements of the amenity. Applicability: This credit is applicable to projects that are publicly accessible or that impact, adjoin, or otherwise connect to existing public spaces or amenities. This represents the large majority of infrastructure projects. Designating this credit as not applicable can be difficult. Projects that by their nature preclude the possibility of addressing public space or amenities may submit to have this credit deemed not applicable with supporting documentation (e.g., mechanical system refurbishments, offshore wind farms, etc.). Not addressing the potential for public space or amenities is not sufficient alone to designate this credit not applicable. Infrastructure projects, especially those traditionally viewed as inaccessible, are encouraged to consider how they can benefit their surrounding community through the enhancement or provision of public space and amenities.		
Yes/No		
Is this credit applicable?	Yes	
Assessment Questions:		Criteria Met?
A Has the project team assessed and mitigated impacts to existing public space and/or amenities?	-	
B Does the stakeholder engagement process specifically address issues of public space and amenities?	-	
C Are public stakeholders satisfied with the project plans involving public space and amenities?	-	
D To what extent does the project involve significantly enhancing, creating, or restoring public space and/or amenities? <u>Select one of the following:</u>	No	
None		
Yes =		0 of 4



Leadership

1. COLLABORATION

LD 1.1 Provide Effective Leadership and Commitment		0 of 18 Points
Intent: Provide effective leadership and commitment to achieve project sustainability goals. Metric: The degree to which the project owner and project team have made general, and project-specific, sustainability commitments and instituted sustainability management policies. Applicability: It is likely that all projects can benefit from effective leadership and strong commitments to sustainability. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Have the project owner and project team made written commitments to address the social, environmental, and economic aspects of the project?	-
B	Is the project supported by a sustainability management policy commensurate with the scope, scale, and complexity of the project?	-
C	Has the project team periodically revisited project sustainability commitments throughout project delivery?	-
D	Have key members of the project team made organizational commitments to sustainability?	-
Yes =		0 of 4
LD 1.2 Foster Collaboration and Teamwork		0 of 18 Points
Intent: Enhance project sustainability through interdisciplinary collaboration and teamwork. Metric: The breadth and inclusivity of interdisciplinary and collaborative meetings and the resulting sustainability performance enhancements. Applicability: It is likely that all projects can benefit from better collaboration and teamwork in pursuit of more sustainable projects. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Was an interdisciplinary collaborative kickoff meeting held early in the project to define sustainability goals?	-
B	Has project sustainability performance been enhanced as a result of the interdisciplinary collaboration?	-
C	Did the project team establish regular interdisciplinary and collaborative meetings to set and achieve sustainability goals?	-
D	Does the process include construction, operations, or maintenance stakeholders, for better incorporation of considerations in later project phases?	-
Yes =		0 of 4

**Envision Framework
Pre-Assessment Checklist**

LD 1.3 Provide for Stakeholder Involvement		0 of 18 Points
Intent: Early and sustained stakeholder engagement and involvement in project decision making. Metric: Establishment of sound and meaningful programs for stakeholder identification, early and sustained engagement, and involvement in project decision making. Applicability: It is likely that all projects can benefit from stakeholder engagement. Although the types and scope of stakeholders may vary depending on the project, it would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team undertaken a stakeholder mapping exercise to determine stakeholders? Were primary and secondary stakeholders identified through a stakeholder mapping process, and stakeholder concerns and specific objectives for stakeholder engagement defined?	-
B	Has the project team analyzed, planned, and executed the engagement for key project stakeholders? Is there a proactive stakeholder engagement process established with clear objectives where: engagement moves beyond education into active dialogue; stakeholder views are monitored, and a two-way line of communication is established to reply to inquiries; and sufficient opportunities are provided for stakeholders to be involved in decision making?	-
C	Was a lead member of the project team directly involved with stakeholder groups to understand their needs?	-
D	Has stakeholder engagement feedback been incorporated into project plans, design, and/or decision making? Are specific cases in which public input influenced or validated project outcomes, and potentially conflicting stakeholder views were evaluated and addressed equitably during decision making?	-
E	Has the project team sought feedback from stakeholders as to their satisfaction with the engagement process and the resulting decisions that were made based on their input?	-
F	Has the project engaged one or more stakeholders as partners?	No
Yes =		0 of 6

**Envision Framework
Pre-Assessment Checklist**

LD 1.4 Pursue Byproduct Synergies		0 of 18 Points
Intent: Critically reconsider whether traditional waste streams can be beneficially reused. Metric: The extent to which the project team works with external groups to find beneficial use of waste, excess resources, or capacity. Applicability: It is likely that all projects that use materials or product waste can benefit from byproduct synergies. It would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team assessed the availability of either internal or external excess resources or capacity?	-
B	Has the project team identified opportunities for byproduct synergies or reuse?	-
C	Has the project team actively pursued a byproduct synergy or reuse?	-
D	Does the project include a byproduct synergy by utilizing unwanted excess resources or finding destinations for the beneficial reuse of unwanted excess resources? <u>Select one of the following:</u>	No
	None	
E	Is the project part of a circular economy, whereby the majority of operational byproducts are beneficially repurposed or the majority of operational resources consumed are beneficially repurposed?	-
Yes =		0 of 5

**Envision Framework
Pre-Assessment Checklist**

2. PLANNING

LD 2.1 Establish a Sustainability Management Plan		0 of 18 Points
Intent: Create a project sustainability management plan that can manage the scope, scale, and complexity of a project seeking to improve sustainable performance. Metric: Extent of organizational policies, authorities, mechanisms, education, and business processes put in place. Applicability: It is likely that all projects can benefit from a sustainability management plan. It would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Are roles and responsibilities for addressing sustainability assigned to key members of the project team?	-
B	Has a sustainability management plan been developed to assess and prioritize the environmental, economic, and social aspects of the project and set project sustainability goals, objectives, and targets?	-
C	Does the project include a sustainability management plan that contains sufficient processes and management controls to address the sustainability goals, objectives, and targets?	-
D	Was the sustainability management plan implemented and periodically revisited?	-
E	Is the project sustainability management plan adaptable, flexible, and resilient enough to manage changes in the environmental, social, or economic conditions of the project over its life?	-
Yes =		0 of 5

**Envision Framework
Pre-Assessment Checklist**

LD2.2 Plan for Sustainable Communities		0 of 16 Points
Intent: Incorporate sustainability principles into project selection/identification in order to develop the most sustainable project for the community. Metric: The degree to which project selection/identification includes sustainability performance assessments and is part of a larger sustainable development plan. Applicability: Consideration is given to the scope and scale of the project and whether it has the potential to more broadly impact community sustainability. For example, small projects that involve the retrofitting or refurbishment of components or systems within an existing facility may contribute to improved sustainability performance but may struggle to demonstrate an impact beyond the project site. Small projects that do not impact the broader community sustainability, and do not have the potential to impact community sustainability, may apply to have this credit deemed not applicable with supporting documentation.		
		Yes/No

Is this credit applicable?

Yes

Assessment Questions:		Criteria Met?
A	Was sustainability considered during project selection/identification?	-
B	Were alternative analyses conducted on sustainability performance during project identification?	-
C	Was an assessment conducted of the project's impacts to broader long-term community or regional sustainability?	-
D	Is the project part of a comprehensive sustainable development plan?	-
E	Does the project address an inherently unsustainable condition within the community or region?	-
Yes =		0 of 5

LD2.3 Plan for Long-Term Monitoring and Maintenance		0 of 12 Points
Intent: Put in place plans, processes, and personnel sufficient to ensure that long-term sustainable protection, mitigation, and enhancement measures are incorporated into the project. Metric: Comprehensiveness of long-term monitoring and maintenance plans, implementation goals, and commitment of resources to fund the activities. Applicability: This credit is applicable to all projects that include ongoing monitoring and maintenance. In rare cases where projects do not include operation or maintenance activities, projects may apply to have this credit deemed not applicable with supporting documentation.		
		Yes/No

Is this credit applicable?

Yes

Assessment Questions:		Criteria Met?
A	Has the project team considered how to reduce ongoing operational impacts?	-
B	Is there a clear and comprehensive plan in place for long-term monitoring and maintenance of the completed project?	-
C	Has the monitoring and maintenance plan been communicated with operations and maintenance staff?	-
D	Have sufficient resources been allocated for long-term monitoring and maintenance of the completed project and appropriate training been conducted?	-
E	Is there a plan in place to re-evaluate and modify the maintenance plan based on monitored data?	-
Yes =		0 of 5

**Envision Framework
Pre-Assessment Checklist**

LD2.4 Plan for End-of-Life		0 of 14 Points
Intent: Ensure that the project team is informed by an understanding of the full impacts and costs of the project's end-of-life.		
Metric: The degree to which the project team analyzes, and communicates with stakeholders, the end-of-life impacts, cost, and value.		
Applicability: It is likely that all projects can benefit from end-of-life planning. It would be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team developed an end-of-life plan?	-
B	Has the project team evaluated opportunities to extend the project's useful life or beneficially repurpose the project after end-of-life?	-
C	Has the project team assessed potential social, environmental, and economic end-of-life impacts?	-
D	Has the project team evaluated the costs and salvage value of the project's deconstruction, decommissioning, or replacement?	-
E	Has the project team proactively engaged stakeholders in end-of-life planning?	-
Yes =		0 of 5

3. ECONOMY

LD3.1 Stimulate Economic Prosperity and Development		0 of 20 Points
Intent: Support economic prosperity and sustainable development, including job growth, capacity building, productivity, business attractiveness, and livability.		
Metric: The extent of job creation, increased operating capacity, access, quality, and/or improved socioeconomic conditions.		
Applicability: The scope of this credit is broad, covering commercial, industrial, cultural, and recreational aspects of community development. In determining whether this credit is applicable to a project assessment, it is likely that all projects have the ability to support and stimulate economic prosperity and sustainable development. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Does the project create a significant number of new jobs during its design, construction, and operation?	-
B	Does the project provide new operating capacity for business, industry, or the public?	-
C	Does the project provide additional access, increase the number of choices, and/or increase the quality of infrastructure services for business, industry, or the public?	-
D	Does the project improve community attractiveness for business, industry, or the public by generally improving the socioeconomic conditions of the community?	-
E	Will the project stimulate economic prosperity and further economic development?	-
Yes =		0 of 5

**Envision Framework
Pre-Assessment Checklist**

LD3.2 Develop Local Skills and Capabilities		0 of 16 Points
Intent: Expand the knowledge, skills, and capacity of the community workforce to improve their ability to grow and develop. Metric: The inclusion of current and future training programs, informed by skill or capability gaps, and targeted to economically depressed or underemployed communities. Applicability: For this credit, an alternative compliance path is provided in the Evaluation Criteria and Documentation Guidance for projects that are too small to include independent training and skill development. It is therefore unlikely that a project could demonstrate no opportunity for education at any point during its planning, design, or construction. When organizational-level training programs are referenced, project teams must demonstrate a relevance to the project.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Will the project include training programs for local skill development?	-
B	Has the project team identified skill or capability gaps in the local workforce and targeted training programs to address them? <u>Select one of the following:</u>	No
	None	
C	Will training, education, or skill development programs continue after project delivery?	-
D	Will training and skill development programs specifically target economically depressed, underemployed, or disadvantaged communities?	-
Yes =		0 of 4
LD3.3 Conduct a Life-Cycle Economic Evaluation		0 of 14 Points
Intent: Utilize economic analyses to identify the full economic implications and the broader social and environmental benefits of the project. Metric: The comprehensiveness of the economic analyses used to determine the net impacts of the project, and their use in assessing alternatives to inform decision making. Applicability: It would be difficult to demonstrate that this credit is not relevant or applicable to a project seeking an Envision award.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has a life-cycle cost analysis been conducted to identify the financial impacts of the whole project?	-
B	Have life-cycle cost analyses been used to compare alternatives for at least one major project component?	-
C	Has the project team mapped the social, environmental, and financial costs and benefits of the project?	-
D	Has a cost benefit analysis been conducted to identify the financial, social, and environmental impacts of the whole project?	-
E	Have cost benefit analyses, including financial, environmental, and social benefits, been used to compare the alternatives for at least one major project component?	-
Yes =		0 of 5



Resource Allocation

1. MATERIALS

RA1.1 Support Sustainable Procurement Practices		0 of 12 Points
Intent: Develop sustainable procurement policies and programs to source materials and equipment from manufacturers and suppliers that implement sustainable practices. Metric: The extent of sustainable procurement programs, and the percentage of materials sourced from manufacturers and/or suppliers that implement sustainable practices. Applicability: This credit is applicable to all projects that include the use or consumption of physical materials in construction or operation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team implemented a sustainable procurement policy or program?	-
B	To what extent do materials, supplies, equipment, manufacturers, and suppliers meet sustainable procurement policy/program requirements? <u>Select one of the following:</u>	No
None		
		Yes = 0 of 2

RA1.2 Use Recycled Materials		0 of 16 Points
Intent: Reduce the use of virgin natural resources and avoid sending useful materials to landfills by specifying reused materials, including structures, and material with recycled content. Metric: Percentage of project materials that are reused or recycled. Plants, soil, rock, and water are not included in this credit. Applicability: This credit is applicable to all projects that include the use or consumption of physical materials in construction or operation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	To what extent has the project team used recycled materials, including materials with recycled content and/or reused existing structures or materials? <u>Select one of the following:</u>	No
None		
		Yes = 0 of 1

**Envision Framework
Pre-Assessment Checklist**

RA1.3 Reduce Operational Waste		0 of 14 Points
Intent: Reduce operational waste and divert waste streams from disposal to recycling and reuse.		
Metric: Percentage of total operational waste or byproducts diverted from disposal.		
Applicability: This credit is applicable to all projects that produce operational waste or byproducts. Projects that do not include any operational waste may apply to have this credit deemed not applicable with supporting documentation.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team developed a waste management plan to decrease project waste and divert waste from landfills during operation?	-
B	To what extent has the project team reduced waste or diverted waste from landfills? <u>Select one of the following:</u>	No
None		
Yes =		0 of 2

RA1.4 Reduce Construction Waste		0 of 16 Points
Intent: Divert construction and demolition waste streams from disposal to recycling and reuse.		
Metric: Percentage of total waste diverted from disposal.		
Applicability: This credit is applicable to all projects that produce construction waste. Projects that do not include any construction waste may apply to have this credit deemed not applicable with supporting documentation.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team developed a comprehensive waste management plan to decrease project waste and divert waste from landfills during construction?	-
B	To what extent has construction waste been diverted from landfills? <u>Select one of the following:</u>	No
None		
Yes =		0 of 2

**Envision Framework
Pre-Assessment Checklist**

RA1.5 Balance Earthwork On Site		0 of 8 Points
Intent: Minimize the movement of soils and other excavated materials off site to reduce transportation and environmental impacts.		
Metric: Percentage of excavated material retained on site or nearby.		
Applicability: This credit is applicable to all projects that involve the excavation of qualifying earthwork. Projects that do not include any earthwork, or only involve the excavation of excluded material considered contaminated or hazardous, may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of excavated soil is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of excavated material in the context of the project.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	To what extent has the project team designed the project to balance cut and fill to reduce the excavated material taken off site? <u>Select one of the following:</u>	No
	None	
		Yes = 0 of 1

2. ENERGY

RA2.1 Reduce Operational Energy Consumption		0 of 26 Points
Intent: Conserve energy by reducing overall operational energy consumption throughout the project life.		
Metric: Percentage of operational energy reductions achieved.		
Applicability: This credit is applicable to all projects that consume energy during their operation. Projects that do not include operational energy may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational energy use is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team determined the estimated annual energy consumption of the project during operations?	-
B	To what extent has the project reduced operational energy consumption? <u>Select one of the following:</u>	No
	None	
		Yes = 0 of 2

**Envision Framework
Pre-Assessment Checklist**

RA2.2 Reduce Construction Energy Consumption		0 of 12 Points
Intent: Conserve resources and reduce greenhouse gases and air pollutant emissions by reducing energy consumption during construction. Metric: The number of strategies implemented on the project during construction that reduce energy consumption and emissions. Applicability: This credit is applicable to all projects that consume energy during construction. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award. In rare cases, where the amount of energy used during construction is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of construction energy use in the context of the project.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team conducted planning reviews to reduce energy consumption during construction?	-
B	To what extent have energy conservation strategies been implemented during construction? (strategies are listed in the Envision Guidance Manual) <u>Select one of the following:</u>	No
None		
		Yes = 0 of 2

RA2.3 Use Renewable Energy		0 of 24 Points
Intent: Meet operational energy needs through renewable energy sources. Metric: Extent to which renewable energy sources are incorporated. Applicability: This credit is applicable to all projects that consume energy (fuel or electricity) during their operation. Projects that do not include operational energy may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational energy use is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	To what extent does the project meet electricity or fuel needs from renewable sources? <u>Select one of the following:</u>	No
None		
		Yes = 0 of 1

**Envision Framework
Pre-Assessment Checklist**

RA2.4 Commission and Monitor Energy Systems		0 of 14 Points
Intent: Ensure efficient functioning and extend useful life by specifying commissioning and monitoring of energy systems. Metric: The inclusion of monitoring equipment and software, the extent of commissioning, and the commissioning agent's independence from the project. Applicability: This credit is applicable to all projects that consume energy during their operation. Projects that do not include operational energy may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational energy use is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Does the design incorporate advanced integrated monitoring systems in order to enable more efficient operations? <u>Select one of the following:</u>	Yes
B	To what extent has a commissioning been conducted? <u>Select one of the following:</u>	Yes
C	Is there a plan for ongoing commissioning of the energy systems throughout the project's life?	-
Yes =		2 of 3

**Envision Framework
Pre-Assessment Checklist**

RA3.1 Preserve Water Resources		0 of 12 Points
Intent: Assess and reduce the negative net impact on fresh water availability, quantity, and quality at a watershed scale to positively impact the region's water resources. Metric: The extent to which the project considers and contributes to positively addressing broader watershed issues. Applicability: This credit is applicable to all projects that consume water or impact receiving waters. Projects that do not include any impacts to water quantity or quality may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the impact to water quantity or quality is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant impact to water quantity or quality use in the context of the project.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team conducted a watershed assessment?	-
B	Has the project team estimated the water usage and wastewater generation over the life of the project?	-
C	Does the project include features to minimize the negative impacts of water usage, and/or watershed-scale issues?	-
D	Does the project have a net-zero impact on the quantity and availability of fresh surface water and groundwater supplies without compromising water quality?	-
E	Is the project part of a watershed-level or regional plan?	-
F	Does the project make a direct net-positive improvement to the watershed?	-
Yes =		0 of 6

**Envision Framework
Pre-Assessment Checklist**

RA3.2 Reduce Operational Water Consumption	0 of 22 Points
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Intent: Reduce overall water consumption while encouraging the use of greywater, recycled water, and stormwater to meet water needs.

Metric: Percentage reduction in potable water use and overall water use.

Applicability: This credit is applicable to all projects that consume water during operations. Projects that do not include any operational water consumption may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of water consumption is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational water use in the context of the project.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Has the project team conducted planning and design reviews to identify potable water reduction strategies during operation of the project?

-

B To what extent has the project reduced potable water use? Select one of the following:

No

None

C To what extent has the project reduced overall water use (including potable and nonpotable water)? Select one of the following:

No

None

D Does the project have a net positive impact on water use?

-

Yes = 0 of 4

RA3.3 Reduce Construction Water Consumption	0 of 8 Points
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Intent: Reduce potable water consumption during construction.

Metric: The number of strategies implemented during construction that reduce potable water consumption.

Applicability: This credit is applicable to all projects that consume water during construction. Projects that do not include any operational water consumption may apply to have this credit deemed not applicable with supporting documentation. In cases where the amount of water consumption during operations is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of operational energy use in the context of the project.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Has the project team conducted planning reviews to reduce water consumption during construction?

-

B To what extent have water conservation strategies been implemented during construction? Select one of the following:

No

None

Yes = 0 of 2

Envision Framework
Pre-Assessment Checklist

RA3.4 Monitor Water Systems

0 of 12 Points

Intent: Improve operational performance by including monitoring capabilities.

Metric: Extent and capability of water monitoring equipment and inclusion of response plans.

Applicability: This credit is applicable to all projects that consume water during their operation or include the conveyance of large quantities of water. Projects that do not include operational water use or water conveyance may apply to have this credit deemed not applicable with supporting documentation. In rare cases, where the amount of operational water use, or conveyance, is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant quantity of water use in the context of the project.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Does the design incorporate advanced integrated monitoring systems in order to improve performance? Select one of the following:

No

None

B Does the project include real-time water monitoring?

-

Yes =

0 of 2



Natural World

1. SITING

NW1.1 Preserve Sites of High Ecological Value		0 of 22 Points
Intent: Avoid placing the project and temporary works on a site that has been identified as being of high ecological value. Metric: Avoidance of high ecological value sites and establishment of protective buffer zones. Applicability: Projects that do not contain areas of high ecological value, and cannot demonstrate they actively avoided areas of high ecological value, may apply to have this credit deemed not applicable with supporting documentation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team identified whether the site contains areas of high ecological value?	-
B	Has the project mitigated any areas of high ecological value that are disturbed? <u>Select one of the following:</u>	No
	None	
C	Does the project avoid developing or disturbing areas of high ecological value on site?	-
D	Does the project preserve an effective protective buffer zone around areas of high ecological value?	-
E	Was the project intentionally sited to avoid areas of high ecological value?	-
F	Does the project significantly increase the area of high ecological value?	-
Yes =		0 of 6

**Envision Framework
Pre-Assessment Checklist**

NW1.2 Provide Wetland and Surface Water Buffers		0 of 20 Points
Intent: Protect, buffer, enhance, and restore wetlands, shorelines, and waterbodies by providing natural buffer zones, vegetation, and soil-protection zones. Metric: Type and quality of natural buffer zone established around all wetlands, shorelines, and waterbodies. Applicability: Projects that do not contain wetlands or surface waters, and for which no siting options containing wetlands or surface waters were possible or seriously considered, may apply to have this credit deemed not applicable with supporting documentation.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team identified wetlands and surface waters on or near the site?	-
B	Has the project team determined the type and width of buffer zones necessary to protect wetlands and surface waters?	-
C	To what extent has the project implemented protective buffer zones around wetlands and surface waters? <u>Select one of the following:</u>	No
	None	
D	Was the project intentionally sited to avoid wetlands and surface waters?	-
E	Will the project involve returning previously developed or disturbed sites within the buffer zone to a natural state?	-
Yes =		0 of 5

NW1.3 Preserve Prime Farmland		0 of 16 Points
Intent: Identify and protect soils designated as prime farmland, unique farmland, or farmland of importance. Metric: Percentage of farmland avoided or preserved during development. Applicability: Projects that do not contain prime farmland, and for which no siting options containing prime farmland were possible or seriously considered, may apply to have this credit deemed not applicable with supporting documentation.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team assessed the project site for soils identified as prime farmland, unique farmland, or farmland of importance?	-
B	To what extent will the project protect or preserve prime farmland, unique farmland, or farmland or importance? <u>Select one of the following:</u>	No
	None	
C	Has the project team mitigated any damage or disturbance to prime farmland, unique farmland, or farmland of importance?	-
D	Was the project intentionally sited to avoid prime farmland?	-
E	Does the project preserve existing farmland for posterity or restore previously disturbed farmland?	-
Yes =		0 of 5

Envision Framework
Pre-Assessment Checklist

NW1.4 Preserve Undeveloped Land		0 of 24 Points
Intent: Conserve undeveloped land by locating projects on previously developed land.		
Metric: Percentage of project development that is located on previously developed land.		
Applicability: Assessment of this credit is determined by the extent to which the project is located on previously developed land or previously undeveloped land. As all land falls within these two classifications, it would be difficult to demonstrate that the credit is not applicable. Inability to locate the project on developed land is not sufficient justification to remove this credit from consideration.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	To what extent is the project located on previously developed land? <u>Select one of the following:</u>	No
	None	
B	Has the project returned developed areas to a condition that supports natural open space, habitat, or natural hydrology?	-
Yes =		0 of 2

Envision Framework
Pre-Assessment Checklist

2. CONSERVATION

NW2.1 Reclaim Brownfields

0 of 22 Points

Intent: Locate projects on sites classified as brownfields.

Metric: The extent of remediation of the brownfield site.

Applicability: Project teams that were unable to identify a suitable site may apply to have this credit deemed not applicable with supporting documentation that efforts were made. If no evidence is provided that any consideration was given to locating the project on a brownfield, the credit is considered applicable and no points achieved.

Yes/No

Is this credit applicable?

Yes

Assessment Questions:

Criteria Met?

A Is the project located on a site currently identified as a closed brownfield?

-

B Is the project located on a site currently identified as an active brownfield?

-

C To what extent has the project mitigated or remediated the site? Select one of the following:

No

None

D Has the brownfield site been closed or deregulated?

-

Yes =

0 of 4

**Envision Framework
Pre-Assessment Checklist**

NW2.2 Manage Stormwater		0 of 24 Points
Intent: Minimize the impact of development on stormwater runoff quantity, rate, and quality. Metric: Degree to which the project infiltrates, evapotranspirates, reuses, and/or treats stormwater while not exceeding rate or quantity runoff targets. Applicability: This credit is applicable to all projects that impact stormwater runoff. In rare cases, where the impact on stormwater runoff is insignificant in comparison to the scale of the project, teams may apply to have this credit deemed not applicable with supporting documentation. However, the reviewer may exercise his/her discretion in determining what constitutes an insignificant impact on stormwater runoff in the context of the project.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	To what extent does the project infiltrate, evapotranspire, reuse, and/or treat stormwater on site? <u>Select one of the following:</u>	No
	None	
B	To what extent does the completed project limit rate or quantity of runoff compared to existing conditions? <u>Select one of the following:</u>	No
	None	
C	Does the project include an erosion, sedimentation, and pollution control plan for all construction activities?	-
D	Does the project treat stormwater from other sites or does it function as part of a larger stormwater management plan?	-
Yes =		0 of 4

NW2.3 Reduce Pesticide and Fertilizer Impacts		0 of 12 Points
Intent: Reduce non-point-source pollution by reducing the quantity, toxicity, bioavailability, and persistence of pesticides and fertilizers. Metric: Reductions in quantity, toxicity, bioavailability, and persistence of pesticides and fertilizers used on site, selection of plant species, and use of integrated pest management techniques. Applicability: Consideration is given as to whether the scope of the project includes exterior vegetated areas. Projects that do not include exterior vegetated areas may apply to have this credit deemed not applicable with supporting documentation.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Have operational policies and programs been put in place to control the application of fertilizers and pesticides?	-
B	Have runoff controls been put in place to minimize contamination of groundwater and surface water?	-
C	To what extent has the project team designed landscaping to require fewer pesticides and fertilizers? <u>Select one of the following:</u>	No
	None	
D	Has the project team selected pesticides and fertilizers that have lower toxicity, persistence, and bioavailability?	-
Yes =		0 of 4

Envision Framework
Pre-Assessment Checklist

NW2.4 Protect Surface and Groundwater Quality		0 of 20 Points
Intent: Preserve water resources by preventing pollutants from contaminating surface water and groundwater and monitoring impacts during construction and operations. Metric: Designs, plans, and programs instituted to prevent and monitor surface water and groundwater contamination during construction and operations. Applicability: This credit is applicable to all projects that contain or use hazardous and/or potentially polluting substances with the potential to contaminate water sources. In addition to chemical use, project teams should consider how chemical leaching from materials may be a source of contamination.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has project team determined the potential for surface water and/or groundwater contamination during construction and operations?	-
B	Does the project include spill and leak prevention and response plans, and avoid creating new pathways for contamination during construction and operations?	-
C	Based on the types of impacts identified in criterion A, does the project reduces the risk of quality degradation to surface water and/or groundwater? This should include water temperature.	-
D	Have adequate and responsive surface water and/or groundwater quality monitoring and reporting systems been incorporated into the project?	-
E	Has the project actively eliminated at least one source of hazardous and/or potentially polluting substances, or replaced them with nonhazardous or nonpolluting substances or materials?	-
F	Does the project improve surface water and/or groundwater quality?	-
Yes =		0 of 6

Envision Framework
Pre-Assessment Checklist

2. ECOLOGY

NW3.1 Enhance Functional Habitats		0 of 18 Points
Intent: Preserve and improve the functionality of terrestrial (land) habitats. Metric: The number of habitat functions addressed in order to preserve or enhance the net area and quality of functional habitat. Applicability: Consideration is given to whether the project contains or impacts natural habitat. Projects that do not contain or impact natural habitat may apply to have this credit deemed not applicable with supporting documentation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team identified existing terrestrial habitats and sited the project to minimize impact?	-
B	Does the project mitigate all disturbances to functional terrestrial (land) habitats? <u>Select one of the following:</u>	No
	None	
C	Does the project increase the quantity of terrestrial habitat?	-
D	Does the project improve the quality of any existing or proposed new terrestrial habitat?	-
E	Does the project facilitate movement between terrestrial habitats, provide new connections, or remove barriers, in order to improve habitat connectivity?	-
F	Does the project return developed land to natural habitat, or set aside existing habitat for permanent conservation and protection?	-
Yes =		0 of 6

**Envision Framework
Pre-Assessment Checklist**

NW3.2 Enhance Wetland and Surface Water Functions		0 of 20 Points
Intent: Maintain and restore the ecosystem functions of streams, wetlands, waterbodies, and their riparian areas. Metric: Number of functions maintained and restored. Applicability: Consideration is given to whether the project contains or impacts wetlands or surface waters. This includes direct, indirect, and/or cumulative impacts. Projects that do not contain or impact natural wetlands or surface waters may apply to have this credit deemed not applicable with supporting documentation		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team identified impacts to wetland and surface water functions?	-
B	Does the project minimize and mitigate disturbance to wetland and surface water functions? <u>Select one of the following:</u>	No
	None	
C	Does the project protect or restore hydrologic connection?	-
D	Does the project protect or restore water quality?	-
E	Does the project protect or restore aquatic habitat?	-
F(1)	Does the project protect sediment transport and reduce sedimentation?	-
F(2)	In addition to protecting all existing wetland and surface water functions, can the project demonstrate it has restored at least one previously degraded wetlands and/or surface water function?	-
Yes =		0 of 7

**Envision Framework
Pre-Assessment Checklist**

NW3.3 Maintain Floodplain Functions		0 of 14 Points
Intent: Preserve floodplain functions by limiting development and impacts of development in the floodplain. Metric: Efforts to avoid floodplains or maintain natural-acting floodplain functions. Applicability: Projects that are not within the floodplain and do not impact floodplain functions, may apply to have this credit deemed not applicable with supporting documentation. Some projects that are not directly within the floodplain may still have an impact on flooding and floodplain functions through their handling of stormwater runoff. These projects may also pursue achievement in this credit if they can demonstrate a direct connection to the floodplain. There are strong links between this credit and NW2.2 Manage Stormwater, and some project components and strategies may apply to both credits.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team identified the 100-year or design frequency floodplain in relation to the project location?	-
B	To what extent does the project preserve vegetated zones within the floodplain? <u>Select one of the following:</u>	No
	None	
C	Does the project mitigate impacts to floodplain functions?	-
D	Was the project intentionally sited to avoid floodplains?	-
E	Does the project remove structures from the floodplain or return previously developed areas to a vegetated state?	-
Yes =		0 of 5

NW3.4 Control Invasive Species		0 of 12 Points
Intent: Use appropriate noninvasive species, and control or eliminate existing invasive species. Metric: Degree to which invasive species have been reduced or eliminated. Applicability: This credit is applicable to all projects with sites that contain invasive species. Project teams that conduct site investigations and do not identify existing invasive species may apply to have this credit deemed not applicable with supporting documentation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Does the project avoid introducing invasive species to the site?	-
B	Has the project team conducted a site assessment to determine if invasive species are present?	-
C	Does the project implement controls for existing infestations of invasive species before, during and post-construction?	-
D	Does the project guard against future infestations by supporting the establishment of native and/or noninvasive species?	-
E	Does the project provide long-term controls to prevent the reintroduction of invasive species?	-
F	Does the project include the ongoing control, suppression, or containment of major infestations of invasive species after construction?	-
Yes =		0 of 6

Envision Framework
Pre-Assessment Checklist

NW3.5 Protect Soil Health		0 of 8 Points
Intent: Preserve the composition, structure and function of site soils. Metric: Degree to which the disruption of soil health has been minimized and restored. Applicability: This credit is applicable to all projects that impact soils during construction. Projects that do not impact soil (e.g. the internal refurbishment of an existing facility) may apply to have this credit deemed not applicable with supporting documentation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team limited the area that is disturbed by development activities?	No
B	Have vegetated areas disturbed by development activities been restored for appropriate soil type, structure, and function to support healthy plant and tree growth?	No
C	Has the project team implemented a soil protection plan or policies? <u>Select one of the following:</u>	No
	None	
D	Has the project restored appropriate soil type, structure, and function to vegetated areas disturbed by previous development?	No
Yes =		0 of 4



Climate And Resilience

1. Emissions

CR1.1 Reduce Net Embodied Carbon		0 of 20 Points
Intent: Reduce the impacts of material extraction, refinement/manufacture, and transport over the project life. Metric: Percentage of reduction in net embodied carbon of materials. Applicability: This credit is applicable to all projects that include the use or consumption of physical materials in construction or operation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team determined materials that are the primary contributors to embodied carbon for the project during construction and operation?	-
B	Has the project team calculated the primary contributors to overall embodied carbon?	-
C	To what extent does the project reduce the net embodied carbon of materials used in construction and operation? <u>Select one of the following:</u>	No
	None	
Yes =		0 of 3

CR1.2 Reduce Greenhouse Gas Emissions		0 of 26 Points
Intent: Reduce greenhouse gas emissions during the operation of the project, reducing project contribution to climate change. Metric: Percentage of reduction in operational greenhouse gas emissions. Applicability: This credit is applicable to all projects that consume energy, fuel, or otherwise produce greenhouse gas emissions during their operation. Projects that do not include greenhouse gas emissions during operations may apply to have this credit deemed not applicable with supporting documentation. However, projects that do not produce greenhouse gas emissions because of intentional planning decisions may apply for the Conserving level with supporting documentation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	To what extent does the project reduce greenhouse gas emissions during its operational life? <u>Select one of the following:</u>	No
	None	
B	Has the project team calculated and reported the annual greenhouse gas emissions of the project?	-
Yes =		0 of 2

Envision Framework
Pre-Assessment Checklist

CR1.3 Reduce Air Pollutant Emissions		0 of 18 Points
Intent: Reduce emissions of air pollutants: particulate matter (including dust), ground-level ozone, carbon monoxide, sulfur oxides, nitrogen oxides, lead, and volatile organic compounds. Metric: Reduction of air pollutants compared to baseline. Applicability: This credit is applicable to all projects that directly produce any of the criteria pollutants. Projects that do not include air pollutant emissions may apply to have this credit deemed not applicable with supporting documentation. However, projects that do not produce air pollutant emissions because of intentional planning decisions to choose non-polluting alternatives may apply for the Conserving level with supporting documentation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Does the project meet all relevant minimum air quality standards and regulations?	-
B	To what extent does the project reduce air pollutant emissions during operations? <u>Select one of the following:</u>	No
	None	
C	Does the project include the ongoing monitoring and management of direct air pollutant emissions?	-
D	Has the project team assessed the materiality of volatile organic compounds to the health of construction workers and the project operators?	-
E	Does the project remove existing air pollutant sources?	-
Yes =		0 of 5

Envision Framework
Pre-Assessment Checklist

2. RESILIENCE

CR2.1 Avoid Unsuitable Development		0 of 16 Points
Intent: Minimize or avoid development on sites prone to hazards. Metric: The degree to which the project is designed and/or sited to avoid or mitigate site-related risks. Applicability: Projects that are not located within regions at risk of site hazards, and therefore cannot demonstrate they actively avoided site hazards, may apply to have this credit deemed not applicable with supporting documentation.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team identified potential siting hazards, the vulnerability of the project to the hazard, and the potential for the project to exacerbate the hazard?	-
B	Can the project team demonstrate that siting and project alternatives were seriously considered in order to minimize exposure to risk?	-
C	Has the project team implemented strategies to mitigate the impact of site hazards?	-
D	Can the project team demonstrate that the chosen project and site resulted in the lowest exposure to site hazards while still meeting project requirements?	-
E	Was the site chosen to intentionally avoid known site hazards?	-
F	Does the project remove or modify structures subject to frequent damage?	-
Yes =		0 of 6

CR2.2 Assess Climate Change Vulnerability		0 of 20 Points
Intent: Develop a comprehensive climate change vulnerability assessment. Metric: Scope and comprehensiveness of climate change vulnerability assessment. Applicability: This credit is applicable to all projects potentially impacted by climate change, which is the vast majority of infrastructure.		
		Yes/No
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team determined climate change threats to the project and its surroundings?	-
B	Has the project team determined the vulnerability of the project to climate change threats?	-
C	Has the project team determined the vulnerability of the infrastructure system to climate change threats?	-
D	Has the project team determined the vulnerability of the community to climate change threats?	-
E	Has the project team or owner shared their climate threat findings?	-
Yes =		0 of 5

**Envision Framework
Pre-Assessment Checklist**

CR2.3 Evaluate Risk and Resilience		0 of 26 Points
Intent: Conduct a comprehensive, multihazard risk and resilience evaluation. Metric: Scope and comprehensiveness of the multihazard risk and resilience evaluation. Applicability: It is likely that all projects would benefit from a thorough investigation of potential risks. It would, therefore, be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award. Risks are not always major catastrophic events; small and large projects alike may consider how crime/vandalism or personal injury are also potential risks with associated impacts.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	To what extent does the project team's risk assessment include the project, infrastructure system, and community? <u>Select one of the following:</u>	No
	None	
B	Has the project team identified the critical functions and dependencies of the infrastructure asset and its primary components?	-
C	Has the project team identified the threats or hazards to the project and its surroundings?	-
D	Has the project team identified the vulnerabilities of the critical functions and dependencies of the infrastructure asset?	-
E	Has the project team evaluated risks by determining the probability of a threat or hazard occurring and the associated impacts?	-
F	Did the risk evaluation conducted by the project include the participation of the owner and a diverse and integrated team of key stakeholders?	-
Yes =		0 of 6
CR2.4 Establish Resilience Goals and Strategies		0 of 20 Points
Intent: To support increased project and community resilience through the establishment of clear objectives and goals. Metric: The degree to which resilience goals expand from initial commitments to quantifiable project objectives, long-term operating plans, and community-wide development plans. Applicability: All projects that are exposed to risks would benefit from establishing resilience goals and strategies. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
Yes/No		
Is this credit applicable?		Yes
Assessment Questions:		Criteria Met?
A	Has the project team identified the project performance goals and risk appetite of the owner?	-
B	Has the project team developed risk management strategies based on a comprehensive risk evaluation?	-
C	Have key stakeholders been engaged in developing resilience goals?	-
D	Is the project part of, or does it support, larger community resilience or climate change adaptation goals?	-
Yes =		0 of 4

**Envision Framework
Pre-Assessment Checklist**

CR2.5 Maximize Resilience		0 of 26 Points
Intent: Increase resilience, life-cycle system performance, and the ability to withstand hazards by maximizing durability. Metric: The degree to which the project incorporates elements that increase durability, the ability to withstand hazards, and extend useful life. Applicability: All projects that are exposed to risks would benefit from increased resilience. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No

Is this credit applicable?

Yes

Assessment Questions:		Criteria Met?
A	Has the project team developed resilience goals and strategies based on a comprehensive risk evaluation?	-
B	Has the project team implemented resilience strategies sufficient to address major project risks and improve project resilience?	-
C	Has the project team periodically monitored the implementation of project resilience strategies and reviewed their continued effectiveness throughout project delivery?	-
D	Will resilience goals and strategies be incorporated into the ongoing operations and maintenance of the project?	-
E	Does the project include methods for measuring or quantifying resilience performance targets?	-
		Yes = 0 of 5

CR2.6 Improve Infrastructure Integration		0 of 18 Points
Intent: Enhance the operational relationships and strengthen the functional integration of the project into connected, efficient, and diverse infrastructure systems. Metric: The degree to which the project is integrated into other connected systems, where beneficial and appropriate, in order to increase resilience and systems performance. Applicability: It is likely that all infrastructure would, and should, benefit from the application of an integrated systems approach. It would therefore be difficult to demonstrate that the credit is not relevant or applicable to a project seeking an Envision award.		
		Yes/No

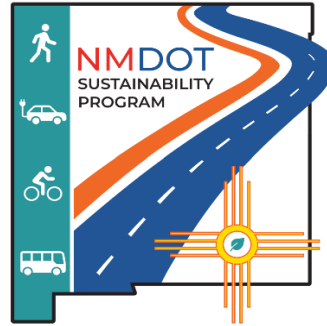
Is this credit applicable?

Yes

Assessment Questions:		Criteria Met?
A	Does the project increase internal systems integration?	-
B	Will the infrastructure integration reduce the risk of systemic or cascading failures?	-
C	Does the project increase external systems integration?	-
D	Does the project integrate infrastructure networks?	-
E	Does the project integrate data or monitoring systems in order to improve performance?	-
		Yes = 0 of 5

Project Name:	Trial Project
Project Date:	2025-10-01
Project Development Engineer:	David Structure, PE
Control Number:	CN 0005999827
Description w/District Number:	District 8 Road repave and drainage repairs
Project Team:	Bob Dear, Efron Framington, Geraldine Herr, John Korbin, Loraine Madras, Nord Opuntia, Rick Sol, and Tilly Uvaria
Envisions Team/Consultant(s):	N/A

CHECKLIST UNDER DEVELOPMENT



SEE CLIMATE
ACTION TEAM
FOR FINAL
WHEN AVAILABLE

NEW MEXICO DEPARTMENT OF TRANSPORTATION MODERATE PROJECT SUSTAINABILITY CHECKLIST (NMENV Lite)

The NMDOT District Sustainability Committees (DSCs) should collaboratively complete the NMENV-Lite checklist with the Project Development Engineer as early as practicable in the project development process. The NMENV-Lite checklist is intended to support Moderate Projects that will not pursue formal ENVISION verification, while still encouraging the incorporation of meaningful sustainability practices. The checklist helps project teams identify feasible sustainability features that advance NMDOT’s sustainability and resilience objectives and enhance social, economic, and environmental project benefits. It also prompts early consideration of how planning, design, and construction costs may be affected by the inclusion of these features.

The NMENV-Lite checklist is provided on the second worksheet of this Excel workbook. It consists of forty (40) questions designed to guide Moderate Project teams in evaluating potential sustainability opportunities. The questions are organized around the ENVISION categories of Quality of Life, Leadership, Resource Allocation, Natural World, and Climate and Resilience. Use of the ENVISION Guidance Manual (Version 3) as a reference is recommended, as it provides additional context and descriptions for each credit. A “Yes” response advances the question to the Results and Report worksheets, while a “No” response removes the credit from further consideration.

The Results worksheet (third tab) summarizes the selected sustainability features and encourages the project team to identify required technical resources, estimate potential impacts to design and construction costs, and document supplemental tasks needed to support the desired sustainability outcomes. As project development progresses and additional information becomes available, the NMENV-Lite checklist should be revisited and updated to reflect refined decisions.

The fourth worksheet generates a summary report documenting the project’s sustainability intent. As projects advance, the completed NMENV-Lite checklist may be submitted to the NMDOT Office of Infrastructure for tracking and program-level evaluation.

APPENDIX C

NEW MEXICO DEPARTMENT OF TRANSPORTATION

PROJECT DEVELOPMENT SUSTAINABILITY CHECKLIST (NMENV-Lite)

Project Name:	Trial Project
Project Date:	2025-10-01
Project Engineer:	David Structure, PE
Control Number:	CN 0005999827
Description w/District Number:	District 8 Road repave and drainage repairs
Project Team:	Bob Dear, Efron Framington, Geraldine Herr, John Korbin, Loraine Madras, Nord Opuntia, Rick Sol, Tilly Uvaria, and Zena Alfred
Envisions Team:	Risk, Evaluation, Resilience, and Document

	Category	Subcategory	Credit	Crit eria	Question	Response
1	Quality of Life	Wellbeing	QL1.2 Enhance Public Health and Safety	A	Will the project team meet all health and/or safety regulations and laws for operation?	Yes
2	Quality of Life	Wellbeing	QL1.2 Enhance Public Health and Safety	C	Will the project include and exceed regulations and laws, AND improve health and/or safety for its immediate surroundings?	Yes
3	Quality of Life	Wellbeing	QL1.4 Minimize Noise and Vibration	A	Will the project team assess the potential for operational noise impacts on the surrounding community and/or environment?	Yes
4	Quality of Life	Wellbeing	QL1.4 Minimize Noise and Vibration	B	Will the project include features that mitigate noise and vibration impacts?	Yes
5	Quality of Life	Wellbeing	QL1.5 Minimize Light Pollution	A	Will the project team conduct an assessment of lighting needs and impacts for the project?	Yes
6	Quality of Life	Wellbeing	QL1.5 Minimize Light Pollution	B	Will the project implement strategies to reduce light pollution?	Yes

7	Quality of Life	Wellbeing	QL1.6 Minimize Construction Impacts	A	Will the project team implement an initial construction management plan and an expanded plan, get stakeholder feedback, and/or a complete plan?	Yes
8	Quality of Life	Wellbeing	QL1.6 Minimize Construction Impacts	B	Will the management plan address construction impacts: noise, safety/wayfinding, access/mobility, or lighting?	Yes
9	Quality of Life	Mobility	QL2.1 Improve Community Mobility and Access	A	Will the project be consistent with local transportation plans?	Yes
10	Quality of Life	Mobility	QL2.1 Improve Community Mobility and Access	B	Will the project team obtain input from the community and key stakeholders regarding issues of mobility and access?	Yes
11	Quality of Life	Mobility	QL2.2 Encourage Sustainable Transportation	A	Will the project provide convenient access to active, shared, or mass transportation options?	Yes
12	Quality of Life	Mobility	QL2.2 Encourage Sustainable Transportation	A	Will the project expand accessibility to sustainable transportation choices including active, shared, and/or mass transportation?	Yes
13	Quality of Life	Mobility	QL2.3 Improve Access and Wayfinding	A	Will the project address access, safety, and wayfinding for incident management including evacuation and emergency personnel?	Yes
14	Quality of Life	Community	QL3.2 Preserve Historic and Cultural Resources	A	Will the project team work with both the community and regulatory agencies to identify historic and cultural resources?	Yes
15	Quality of Life	Community	QL3.2 Preserve Historic and Cultural Resources	B	Will the project document, mitigate impacts to, protect, and enhance historic and cultural resources?	Yes
16	Quality of Life	Community	QL3.3 Enhance Views and Local Character	A	Will the project team determine community values and concerns regarding protection and enhancement of views and local character?	Yes
17	Quality of Life	Community	QL3.3 Enhance Views and Local Character	B	Will the project include features that protect and enhance views and local character?	Yes
18	Quality of Life	Community	QL3.4 Enhance Public Space and Amenities	B	Will the project team and stakeholders assess impacts to existing public space and amenities, and implement mitigation strategies that there is no net loss of public amenities?	Yes

19	Leadership	Collaboration	LD1.1 Provide Effective Leadership and Collaboration	A	Will the project team and owner provide a written agreement to address sustainability aspects of the project with clearly articulated sustainability commitments in a chartering session and/or contract documents?	Yes
20	Leadership	Collaboration	LD1.3 Provide for Stakeholder Involvement	A	Will the project team identify primary stakeholders (individuals and groups directly impacted by the project) and secondary stakeholders (those indirectly impacted) in a fair and equitable fashion?	Yes
21	Leadership	Collaboration	LD1.3 Provide for Stakeholder Involvement	D	Will stakeholder input be incorporated into the project plans, design, or decision making?	Yes
22	Resource Allocation	Materials	RA1.2 Use Recycled Materials	A	Will the project be constructed with recycled materials or with reused existing structures or materials?	Yes
23	Resource Allocation	Materials	RA1.4 Reduce Construction Waste	A	Will the project reduce and minimize waste to decrease project trash during construction?	Yes
24	Resource Allocation	Materials	RA1.5 Balance Earthwork On Site	A	Will the project balance cut and fill to reduce the excavated material taken off site and/or fill brought onto the site?	Yes
25	Natural World	Conservation	NW2.2 Manage Stormwater	A	Will the project team detain and treat a minimum 24 hour stormwater event without exceeding runoff rate for a 2-year, 24 hour rainfall event (and includes SWPPP)?	Yes
26	Natural World	Conservation	NW2.4 Protect Surface and Groundwater Quality	A	Will the project team determine the potential for surface water and groundwater contamination during construction and operation of the project?	Yes
27	Natural World	Conservation	NW2.4 Protect Surface and Groundwater Quality	B	Will the construction and operation of the project include spill prevention plans and cleanup and does not create new pathways for surface water and or groundwater contamination?	Yes
28	Natural World	Ecology	NW3.1 Enhance Functional Habitats	A	Will the project team identify existing habitat types on or near the project site and make efforts to avoid and minimize impacts to existing terrestrial habitats?	Yes
29	Natural World	Ecology	NW3.2 Enhance Wetland and Surface Water Functions	A	Will the project team identify impacts to hydrologic connections, water quality, aquatic habitat, and sediment transport?	Yes
30	Natural World	Ecology	NW3.3 Maintain Floodplain Functions	A	Will the project team identify the 100-year design or design frequency floodplain, and give consideration to future floodplain scenarios?	Yes

3 1	Natural World	Ecology	NW3.5 Protect Soil Health	B	Will the project limit the area that is disturbed by development activities and revegetate areas disturbed during construction?	<i>Yes</i>
3 2	Climate & Resilience	Emissions	CR1.3 Reduce Air Pollutant Emissions	A	Will the project meet all applicable air quality standards and regulations for air pollutants and implement strategies to reduce air pollutant emissions during operations?	<i>Yes</i>
3 3	Climate & Resilience	Resilience	CR2.1 Avoid Unsuitable Development	A	Will the project identify siting hazards (flooding, rockfalls, wildfires), the vulnerability of the project to the hazard, and the potential for the project to exacerbate the hazard?	<i>Yes</i>
3 4	Climate & Resilience	Resilience	CR2.2 Assess Climate Change Vulnerability	A	Will the project team determine climate change threats to the project and its surroundings?	<i>Yes</i>
3 5	Climate & Resilience	Resilience	CR2.2 Assess Climate Change Vulnerability	B	Will the project team determine the vulnerability of the project to climate change threats?	<i>Yes</i>
3 6	Climate & Resilience	Resilience	CR2.3 Evaluate Risk and Resilience	A	Will the project team conduct a comprehensive, multi-hazard risk and resilience evaluation (understand & document the asset, identify threats, hazards, and vulnerabilities, and evaluate risks)?	<i>Yes</i>
3 7	Climate & Resilience	Resilience	CR2.5 Maximize Resilience	A	Will the project team develop resilience goals and strategies based on a comprehensive risk evaluation?	<i>Yes</i>
3 8	Climate & Resilience	Resilience	CR2.5 Maximize Resilience	B	Will project include facilities and strategies to address major project risks and improve project resilience?	<i>Yes</i>

Project Development Sustainability Checklist
NMENV-Lite
Checklist is representative.
Final product will be a worksheet.

APPENDIX D

SUSTAINABILITY PROGRAM STAFFING STRUCTURE

JOB DESCRIPTION

Program Coordinator (I, II or III)

Department: NMDOT

Reports to: Research and Climate Bureau Chief or Chief Engineer

Annual Salary: TBD

Status: Full time, Non-Exempt

Supervises Others: TBD

Schedule: Typical hours are Monday – Friday 8 AM – 5 PM

Works with: District Offices as assigned

Location Status: Santa Fe or Albuquerque

Travel Required: In-State required, Out of State as necessary

Job Function

The Program Coordinator position is responsible for support of the New Mexico Department of Transportation Sustainability programs. This includes membership in and support of the District Sustainability Committee and Statewide Sustainability Committee.

Duties and Responsibilities

Committees:

- Member of the NMDOT District Sustainability Committees.
- Member of the NMDOT General Office Statewide Sustainability Committee.

Guidance and Support:

- As a member of the NMDOT Sustainability Committees, provide guidance for implementation of Envision sustainability enhancements to NMDOT projects.
- Provide technical assistance and future training to District and GO personnel regarding Envision.

Data Gathering and Reporting:

- Set up and operate data collection system to track enhancements made to projects by the NMDOT as the result of Envision guidance and recommendations.
- Provide quarterly and annual reports on all enhancements and progress made on Sustainability initiatives.

Other Responsibilities:

- Within 6 months of hire, receive ENV SP Credential for Envision through the Institute for Sustainable Infrastructure (ISI).
- Maintain ENV SP credential through annual training.
- Knowledge of NMDOT Construction Practices, Design Standards, and ability to read construction plans.
- Regularly travel and meet with Districts to discuss sustainability aspects of future and ongoing projects.
- Proficiency with the NMDOT Envision Sustainability Program Manual.

Qualifications:

- Bachelor's degree in any field.
- 5+ years' experience with transportation planning, design, or construction or related field.
- Strong work ethic, organizational skills, and positive attitude.
- Strategic and creative thinker with strong computer/software skills.
- Proficiency in Microsoft Word and Excel.
- Ability to work independently as well as collaborating proactively with General Office and District staff, consultants, and contractors.

This job description is in addition to standard SPO and NMDOT requirements for a Program Coordinator.