

S-1 **(1603) MATERIALS: SPECIFICATIONS, SAMPLES, TESTS, AND ACCEPTANCE (EPD)**

NEW 06/10/25 ◀DO NOT REMOVE THIS DATE. IT NEEDS TO STAY IN FOR THE CONTRACTORS.

Always use this write-up when using SP2025-XX (2062) Environmental Product Declaration (EPD).

SP2025-XX

S-1.1 Add the following to 1603, "Materials: specifications, Samples, Tests, and Acceptance":

1603.5 Development of Global Warming Impact Standards

The Contractor shall submit supply chain-specific Type III Environmental Product Declarations (EPDs) for materials in accordance with **S-2** (2062) Environmental Product Declaration. The provisions of the Buy Clean and Buy Fair Minnesota Act, (Sec. 16B.312 MN Statutes) require incorporating global warming impact standards into the state's procurement process for construction materials used in public infrastructure projects. To achieve this the Department is requesting the Contractor to submit supply chain-specific Type III Environmental Product Declarations (EPDs) for all eligible materials as defined by State Statute. The reporting of environmental impacts will account for embodied carbon of construction materials in accordance with the Buy Clean and Buy Fair Minnesota Act, ISO 21930, ISO 14025 and ISO 14040/44.

S-2 **(2062) ENVIRONMENTAL PRODUCT DECLARATION (EPD)**

NEW 12/19/2025 ◀DO NOT REMOVE THIS DATE. IT NEEDS TO STAY IN FOR THE CONTRACTORS.

Use this special provision when the project meets any of the following criteria. *Contact Emil Bautista, Office of Materials and Road Research, to determine the number of EPDs that will be required on this project.*

- **New construction, rehabilitation, mill and overlay, or reconstruction of two or more lane-miles of a trunk highway pavement.**
- **New construction or re-decking with a total bridge deck quantity of 6000 square feet or more.**
- **ADA projects with a minimum of more than 1 intersection in the project**

SP2025-XX

S-2.1 DESCRIPTION

This Work consists of submitting Type III Environmental Product Declarations (EPDs) in accordance with **S-1** (1603) Materials: Specifications, Samples, Tests, and Acceptance (EPD). These EPDs are Cradle-to-Gate, including life cycle stages A1 to A3: raw material supply, transport to the manufacturing site, and manufacturing.

S-2.2 MATERIALS - BLANK

S-2.3 CONSTRUCTION REQUIREMENTS

Provide EPDs for the following materials:

**Table SP2062.3-1
Materials Requiring EPDs**

Spec No.	Description	Minimum Project Quantity	EPDs Required Frequency	Estimated EPDs per Material
2301	Concrete Pavement	3,500 cubic yards	1 per mix design	4
2301	Dowel Bar	No minimum	1 per diameter	1
2301	Supplemental Pavement Reinforcement	No minimum	1 per source	1
2301	Drill & Grout Reinf Bar (Epoxy Coated)	No minimum	1 per source	1
2301	Reinforcement Bars (Incidental)	No minimum	1 per source	1
2360	Plant Mixed Asphalt Pavement	1000 tons	1 per mix design	2 to 3
2363	PASSRC and PASB	1000 tons	1 per mix design	1
2401	Concrete Bridge Construction	500 cubic yards	1 per mix design	3 to 5
2401	Reinforcement Bars	No minimum	1 per source	1
2401	Reinforcement Bars (Epoxy Coated)	No minimum	1 per source	1
2402	Steel Bridge Construction	No minimum	1 per source	3
2521, 2531	Walks and Concrete Curbing	500 cubic yards	1 per mix design	2
2521	Drill & Grout Reinf Bar (Epoxy Coated)	No minimum	1 per source	1
2533	Concrete Median Barriers	500 cubic yards	1 per mix design	2

Provide Type III Cradle-to-Gate EPDs meeting ISO standards ISO 21930, ISO 14025 and ISO 14040/44. Use product specific supply chain data, including an EPD for upstream cement or asphalt cement production for concrete and bituminous mixtures mix-design specific EPDs. Use industry average values when product specific supply chain data does not exist. Cradle-to-gate EPDs report on the production stage of the life cycle, encompassing A1 to A3 modules: raw material extraction, transportation to the plant, and manufacturing processes. When providing the Mix Name for the EPD, comply with the following mix naming conventions:

- (1) Bituminous mixtures – Mix Number and MDR number (e.g., SPWEB340_PG58H-34, 0-2025-999)
- (2) Concrete mixtures – Mix Number and RM, JMF, or PS Sheet Number (e.g., 3F52F, RMX999-999)

Notify the Engineer, prior to the preconstruction meeting, when a source does not have 12 months of data to support development of the EPD.

Produce EPDs files in Portable Document Format (PDF) or OpenEPD JavaScript Object Notation (JSON) Format using the following naming convention SP_Number_Pay Item Name_Mix Name_EPD.pdf. (e.g., SP1234-568_Bridge Slab Concrete_3YHPC-S_JMF25-999_EPD.pdf or SP1234-568_Reinforcement Bars_EPD.pdf.)

Submit Type III EPDs per source and location as shown in in Table SP2062-1, with the associated delivered quantities, in twelve weeks or less of completion of final installation of the Contract item to the Engineer and to epd.mn.dot@state.mn.us. Include the SP Project number, and when applicable, the MnDOT Mix ID for the concrete and asphalt mixtures in the subject line.

S-2.4 METHOD OF MEASUREMENT

The Engineer will measure Environmental Product Declaration by the number of Environmental Product Declarations, as shown in Table SP2062-1, submitted for each unique material and mix design.

S-2.5 BASIS OF PAYMENT

The Contract Unit Price for Environmental Product Declaration is compensation in full for developing and supplying the EPDs for the Materials required to complete the Work. The Engineer will pay for that EPD once per Contract when the same EPD is used for more than one pay item. The Engineer may pay for additional EPDs needed to complete the Work.

The Department will pay for Environmental Product Declaration shown in in Table SP2062.3-1 on the basis of the following schedule:

Item No.	Item	Unit
2062.602	Environmental Product Declaration	each