



CONTACT: Nyal Nunn, Senior Project Engineer
517.853.4440 | dpw@meridian.mi.us

ADDENDUM #1

MSU to Lake Lansing Connector Trail, Phase II

Addendum #1 includes the following four (4) revised contract pages and five (5) revised plan sheets:

Contract – P-2, SP-1, SP-2, and SP-3

Plans – Sheets 2, 3, 4, 5, and 6

This addendum corrects the following bid item quantities:

- **Embankment, LM** – was 705 Cyd, corrected to 945 Cyd
- **Excavation, Earth** – was 130 Cyd, corrected to 2,020 Cyd
- **Shared use Path, Aggregate** – was 1,840 Tn, corrected to 2,030 Tn

This addendum clarifies that the Contractor may utilize the Township’s millings for the following bid items:

- **Subgrade Undercutting, Type II**
- **Aggregate Surface Cse**
- **Shld, CI II, 6 inch**

This addendum specifies the type of seed to be used for restoration for the following bid items:

- **Site Restoration**
- **Compensating Cut, Floodway**
- **Compensating Cut, Fringe**

Lastly, the following corrections and clarifications are made to the plan sheets:

- **Excavation, Earth** corrected the quantities per sheet;
- **Shared use Path, Aggregate** corrected the quantities per sheet;
- **Shared use Path, Grading** corrected the unit of measurement; and,
- Clarifying that the gravel shoulder should be one foot (1') in width.

Please note: you must sign this addendum and include it with your proposal.

Date _____ Company Name _____

By _____ Address _____
Signature

Printed Name

Title _____ Phone Number _____

Email Address _____

The community of Meridian Township is in close proximity to the Michigan State Capitol and Michigan State University. The Township serves the community through exceptional services, beneficial amenities and an outstanding quality of life. It is a welcoming community that celebrates quality education, recreation and lifestyles.

MSU TO LAKE LANSING CONNECTOR TRAIL, PHASE II

PROPOSAL

<u>Pay Item</u>	<u>Description</u>	<u>Qty</u>	<u>Units</u>	<u>Unit Price</u>	<u>Amount</u>
1100001	Mobilization, Max \$50,000	1	LSUM	\$ _____	\$ _____
2030001	Culv, Rem, Less than 24 inch	1	Ea	\$ _____	\$ _____
2040020	Curb and Gutter, Rem	40	Ft	\$ _____	\$ _____
2040050	Pavt, Rem	30	Syd	\$ _____	\$ _____
2050011	Embankment, LM	945	Cyd	\$ _____	\$ _____
2050016	Excavation, Earth	2,020	Cyd	\$ _____	\$ _____
2050041	Subgrade Undercutting, Type II	500	Cyd	\$ _____	\$ _____
2080012	Erosion Control, Check Dam, Stone	380	Ft	\$ _____	\$ _____
2080016	Erosion Control, Gravel Access Approach	3	Ea	\$ _____	\$ _____
2080036	Erosion Control, Silt Fence	3,700	Ft	\$ _____	\$ _____
3060006	Aggregate Surface Cse	25	Ton	\$ _____	\$ _____
3070128	Shld, Cl II, 6 inch	1,035	Syd	\$ _____	\$ _____
4010012	Culv End Sect, 12 inch	8	Ea	\$ _____	\$ _____
4010131	Culv, Cl A, 12 inch	100	Ft	\$ _____	\$ _____
8020021	Curb and Gutter, Conc, Det C2	20	Ft	\$ _____	\$ _____
8030010	Detectable Warning Surface	40	Ft	\$ _____	\$ _____
8032002	Curb Ramp, Conc, 6 inch	160	Sft	\$ _____	\$ _____
8060010	Shared use Path, Aggregate	2,030	Ton	\$ _____	\$ _____
8060030	Shared use Path, Grading	4,585	Ft	\$ _____	\$ _____
8060040	Shared use Path, HMA	1,230	Ton	\$ _____	\$ _____
8127051	_Traffic Control	1	LSUM	\$ _____	\$ _____
8167002	_Chemical Root Inhibitor	46	Sta	\$ _____	\$ _____
8167051	_Site Restoration	1	LSUM	\$ _____	\$ _____
8167051	_Compensating Cut, Floodway	1	LSUM	\$ _____	\$ _____
8167051	_Compensating Cut, Fringe	1	LSUM	\$ _____	\$ _____

TOTAL BASE BID: \$ _____

MSU to Lake Lansing Connector Trail, Phase II

SPECIAL PROVISIONS

These Special Provisions are in addition to the MDOT Standard Specifications for Construction (SSC), and the General and Technical Specifications, and supersede the others in the event of a conflict.

GENERAL

CONTINUITY OF WORK – Once construction has begun at any location, the work shall proceed without delay until that facility is substantially complete and back open to the public, barring delays due to inclement weather or acts of God that are outside of the Contractor's control. If the Contractor fails continuously to prosecute the work and causes an unnecessary delay, the Owner may apply liquidated damages to those calendar days when work should have been taking place.

TESTING – The Contractor will be responsible for scheduling concrete, asphalt, and compaction testing at the direction of the Engineer. Testing will be done by Soil and Materials Engineers, Inc. (SME), 517.887.9181. The cost will be paid by Meridian Township, except for any wait time.

TREE TRIMMING – Trimming of all shrubs, foliage, and tree limbs up to six (6) inches in diameter which are closer than two (2) feet from the edge of or nine (9) feet above the trail is incidental to this contract. Cuts are to be made cleanly and at the trunk.

PROPERTY IRONS – A licensed surveyor shall reestablish property irons in the proper location, if disturbed. Buried property irons shall be extended using ½" diameter rods. The Contractor shall pay for reestablishment.

ROAD RIGHT-OF-WAY – All work in the road right-of-way is done under permit and approval of the Ingham County Road Department (ICRD) or the Michigan Department of Transportation (MDOT). The Contractor shall secure the necessary right-of-way permit(s) from ICRD; Meridian Township will secure any necessary MDOT permit(s).

PAY ITEMS

2050011 **EMBANKMENT, LM**

This pay item includes all labor, equipment, and material necessary to install class II granular material as defined in the MDOT 2020 SSC, Section 902. Compact all embankment to a minimum of 95% of maximum density. Payment will be made based on delivery tickets. It is the responsibility of the Contractor to collect the tickets.

Alternately, the Contractor may use the Township's stockpile of millings, located behind 2100 Gaylord C. Smith Ct. The Contractor would be responsible for providing labor and equipment to load and transport the millings from the stockpile location to the construction site. If millings are utilized, payment will be based on the loads delivered to the site. The Township inspector must be present to verify loads. Any loads delivered without inspector verification will not be eligible for payment.

2050016 **EXCAVATION, EARTH**

This pay item includes all labor, equipment, and material necessary to excavate the existing grade to the limits shown on the plans in accordance with the MDOT 2020 SSC, Section 205. Payment will be based on the loads hauled from the site. The Township inspector must be present to verify loads. Any loads removed without inspector verification will not be eligible for payment.

2050041 **SUBGRADE UNDERCUTTING, TYPE II**

This pay item includes all labor, equipment, and material necessary to perform Type II undercutting in accordance with the MDOT 2020 SSC, Section 205. Compact all undercutting backfill to a minimum of 95% of maximum density. The Engineer will measure **Subgrade Undercutting** in its original position. The unit price for **Subgrade Undercutting** of the type required includes the cost of removal and disposal of unsuitable material and replacement with required material.

Alternately, the Contractor may use the Township's stockpile of millings, located behind 2100 Gaylord C. Smith Ct. The Contractor would be responsible for providing labor and equipment to load and transport the millings from the stockpile location to the construction site. Payment will be made as described above.

2080012 EROSION CONTROL, CHECK DAM, STONE

This pay item includes all labor, equipment, and material necessary to install a check dam in accordance with the MDOT 2020 SSC, Section 208, as shown on the plans, and as described herein. Use one (1) to three (3) inch crushed, washed stone or concrete.

3060006 AGGREGATE SURFACE CSE

This pay item includes all labor, equipment, and material necessary to install an aggregate surface course in accordance with the MDOT 2020 SSC, Section 306. Compact all aggregate to a minimum of 95% of maximum density. Payment will be made based on delivery tickets. It is the responsibility of the Contractor to collect the tickets.

Alternately, the Contractor may use the Township's stockpile of millings, located behind 2100 Gaylord C. Smith Ct. The Contractor would be responsible for providing labor and equipment to load and transport the millings from the stockpile location to the construction site. If millings are utilized, payment will be based on the loads delivered to the site. The Township inspector must be present to verify loads. Any loads delivered without inspector verification will not be eligible for payment.

3070128 SHLD, CL II, 6 INCH

This pay item includes all labor, equipment, and material necessary to install a one foot (1') wide gravel shoulder in accordance with the MDOT 2020 SSC, Section 307. Compact all aggregate to a minimum of 95% of maximum density. Payment will be made based on the plan quantity (length of the trail by one foot along each edge of the trail).

Alternately, the Contractor may use the Township's stockpile of millings, located behind 2100 Gaylord C. Smith Ct. The Contractor would be responsible for providing labor and equipment to load and transport the millings from the stockpile location to the construction site. Payment will be made as described above.

4010012 CULV END SECT, 12 INCH

This pay item includes all labor, equipment, and material necessary to install a flared end section on a new culvert in accordance with the MDOT 2020 SSC, Section 401, and as described herein. For plastic culvert pipe, corresponding plastic end sections are permissible. Do not install end section grates.

4010131 CULV, CL A, 12 INCH

This pay item includes all labor, equipment, and material necessary to install a culvert as shown on the plans, in accordance with the MDOT 2020 SSC, Section 401, and as described herein. Smooth wall PVC SDR 26 is permissible.

8030010 DETECTABLE WARNING SURFACE

This pay item includes all labor, equipment, and material necessary to install the requisite detectable warning surfaces in accordance with the MDOT 2020 SSC and as described herein.

Plates shall be East Jordan Iron Works DURALAST, product lines 7005/7006, with Black Asphaltic Coating. Where the detectable warning surface is placed perpendicular to the direction of pedestrian travel the plates shall be EJIW 7005; where the detectable warning surface is placed radially at the back-of-curb the plates may be EJIW 7005 or 7006, see note below.

Note: Where the detectable warning surface is required to follow the back-of-curb, either radial or straight plates may be utilized. Where straight plates are utilized the sides must be cut to provide complete coverage of the detectable warning surface (see MDOT Standard Plan R-28, sheet 4).

8060010 SHARED USE PATH, AGGREGATE

This pay item includes all labor, equipment, and material necessary to install aggregate material beneath the paved trail, as detailed on the plans, using 21AA material as defined in the MDOT 2020 SSC, Section 902. Compact all aggregate to a minimum of 98% of maximum density. Payment will be made based on delivery tickets. It is the responsibility of the Contractor to collect the tickets.

Alternately, the Contractor may use the Township's stockpile of millings, located behind 2100 Gaylord C. Smith Ct. The Contractor would be responsible for providing labor and equipment to load and transport the millings from the stockpile location to the construction site. If millings are utilized, payment will be based on the loads delivered to the site. The Township inspector must be present to verify loads. Any loads delivered without inspector verification will not be eligible for payment.

8060030 SHARED USE PATH, GRADING

This pay item includes all labor, equipment, and material necessary to grade for a non-motorized trail in accordance with the MDOT 2020 SSC and as described herein. Brush clearing and removal of trees and shrubs less than or equal to six inches ($\leq 6''$) in diameter (DBH) is included in this item. Salvage useable aggregate material from the existing path for use as embankment or shoulder, at the direction of the Engineer.

8127051 TRAFFIC CONTROL

This pay item includes all labor, equipment, and materials necessary to provide and maintain traffic control devices that are in accordance with the Michigan Manual of Uniform Traffic Devices, and meet all ICRD and MDOT permit requirements, when applicable.

See Appendix A for the typical details covering most situations found in this contract.

TRAFFIC CONTROL shall be paid for at the Contract Unit Price on the following basis: after first use of traffic control measures 25% of **Traffic Control** will be paid; once 50% of the original contract price is completed 50% of **Traffic Control** will be paid; once 75% of the original contract price is completed 75% of **Traffic Control** will be paid; once the contract work is complete 100% of **Traffic Control** will be paid.

8167002 CHEMICAL ROOT INHIBITOR

See section Bike Path Vegetation Treatment – Chemical Root Inhibitor (pages RI-1 to RI-3) for detailed specifications.

8167051 SITE RESTORATION

This pay item includes all labor, equipment, and material necessary to restore disturbed grass areas in accordance with the MDOT 2020 SSC, Section 816, and as described herein. The disturbed areas shall be restored to grade with three (3) inches of screened topsoil and either bonded fiber matrix hydroseeding or mulch blankets, with seed and fertilizer. Use MDOT seed mix THM, or approved equivalent residential mix.

8167051 COMPENSATING CUT, FLOODWAY & FRINGE

These pay items include all labor, equipment, and material necessary to perform the compensating cuts as shown on the construction plans and as detailed in Appendix B, *Floodplain Cut & Fill Plans*. Spoils from the **Compensating Cut** items may be placed onsite, as shown in Appendix B, or removed from the site. All such materials removed from the site are the property of the Contractor and shall be properly used or disposed of.

For Compensating Cut areas, restore using seed mix "Emergent Wetland Mix" from Native Connections in Three Rivers, Michigan (269.273.2894, info@nativeconnections.net), with mulch blanket covering. The onsite spoils pile may be restored with MDOT seed mix THM, or approved equivalent residential mix, with mulch blanket covering. **Compensating Cut, Floodway** includes approximately 2,100 square yards of restoration; **Compensating Cut, Fringe** includes approximately 3,900 square yards of restoration.