AASHTOWare™ PROJECT

MONTANA DEPARTMENT OF TRANSPORTATION

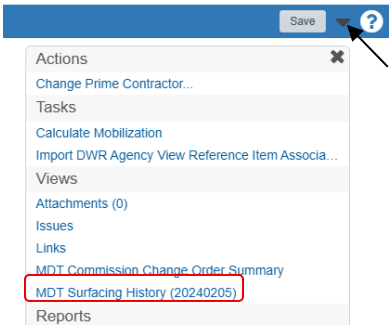
AASHTOWare Construction & Materials

Surface History Report

In an enhancement on 7/01/2024, the Surfacing History Agency view was updated to reflect the information of the surface treatment of the roadways on a contract. Clarification from Pavement Services, user will be entering in Surface History for projects that are ½ mile or more of continuous paving treatments. One thing to note is that typicals or sections that have major changes need to be documented in the Surface History. Pavement Services has recommended that the surface History be completed by the 90% complete date.

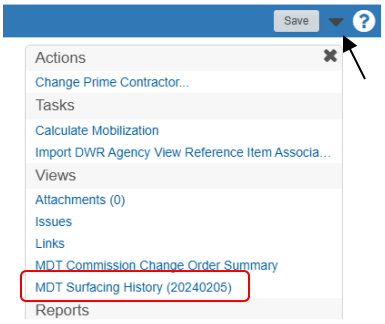
From Contract Progress

1. Navigate to Contract Progress link under the Construction component
2. Enter the contract number in the search box
3. Click on the contract number link
4. Select the component actions menu drop down
5. Select MDT Surface History (20240205) from the list under Views



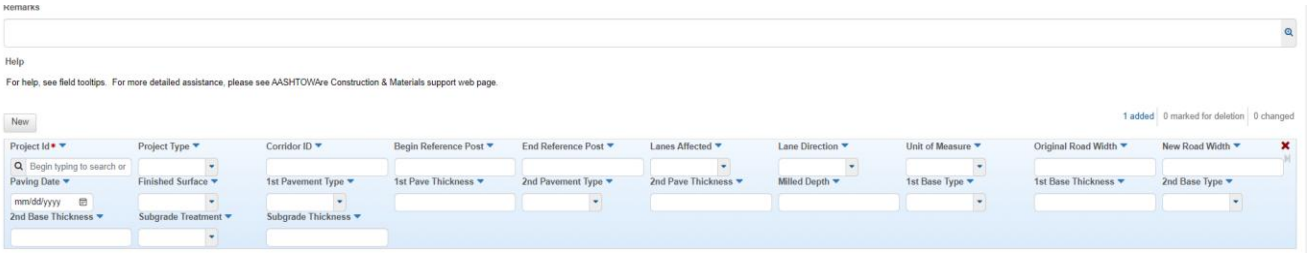
From Contract Administration

1. Navigate to the Contract Administration link under the Construction component
2. Enter the contract number in the search box
3. Click on the contract number link
4. Select the component actions menu drop down
5. Select MDT Surface History (20240205) from the list under Views



Entering in Information

1. Click on the **New** button
2. Enter the **Project ID**
3. Select the **Project Type** from the drop menu
4. Enter the **Corridor ID** number
5. Enter the **Begin Reference Post**
6. Enter the **End Reference Post**
7. Select the **Lanes Affected** from the drop-down option
8. Select the **Lane direction** from the drop-down option
9. Select the appropriate **Unit of Measure** that is applicable to the contract.
10. Enter the **Original Road Width**
11. Enter the **New Road Width**
12. Enter the **Paving Date**
13. Select the **Finished Surface** type
14. Select the **1st Pavement Type** from the drop down option
15. Enter the **1st Pavement Thickness**
    a. This is for full depth
16. Select the **2nd Pavement Type**
17. Enter the **2ND Pavement thickness**
18. If the surface was milled, enter the **Milled Depth**
19. Select the **1st Base Type** from the drop menu
20. Enter the **1st Base thickness**
21. Select the **2nd Base Thickness Type**, if applicable
22. Enter the **2nd Base Thickness**
23. Select the **Subgrade Treatment** from the drop selection
24. Enter the **Subgrade Thickness**
25. **Add any Remarks** as appropriate



Note:

- Corridor information can be found at: Route Location Tool | MDT ALTIS Road Log
- Reference posts cannot be in Station form. The reference post information can be found on the Route Location application
- Follow the above steps for each roadway treatment being entered
- The road width should be the measured distance, not what is shown in the typical. There could be a situation that would not match plans
- A new row will need to be added for each year that paving has occurred.
- A new row will need to be added for sections that change in between.
    - If Typical one shows a finished surface of 48 feet from station 1+00 to 500+00, then typical 2 reduces the road width to 24 feet from 500+01 to 1000+25, a new row will be needed
    - If the contract paves in 2025 and 2026, a row will be needed to be added for each
- This report is designed for the user to add information from the finished surface to the subgrade. Not all fields will be needed. It is contract specific.
- Thickness fields are to be full depth. Even if multiple lifts have been used
- Ultimately, the information should reflect any changes to the roadway that affect the travel lanes
- See Appendix for contracts that will need a Surface History completed

Appendix – Project Type
Most projects will fit one of the following:

1. Major Rehab – Exposure of base material
    a. Digout – Only needed for digouts greater than .5 miles.
    b. Pulverize & Overlay – Pulverization of existing asphalt surface, re-laid, and overlayed.
    c. With added Capacity – additional lanes added.
    d. Widening/Overlay – shoulder widening and overlayed.
2. Minor Rehab – Rehabilitation of existing asphalt surfacing no deeper than .3’
    a. Without added capacity – Mill fill, Overlay greater than .2’.
    b. Cold in place recycle – CIR with chip seal.
    c. Cold in place recycle w/Overlay – CIR with overlay totaling greater than .3’.
    d. Crack & Seat w/Overlay – Concrete crack and seat with overlay
    e. Hot Recycle w/Overlay – HIR with overlay totaling no greater than .3’.
    f. Recycle/Relay (PCC) – Concrete recycle and relay.
    g. Recycle/Relay – Asphalt recycle and relay.
3. New construction – Virgin Roadway
4. Reconstruction – Rebuild of subgrade, base, asphalt or concrete surfacing
    a. With added capacity – additional travel lanes added.
    b. Without added capacity – no additional travel lanes added.
5. Resurface
    a. Crack sealing – Crack seal and seal and cover.
    b. Asphalt Mill & Overlay(Fill) – Mill and fill with asphalt surfacing less than .2’.
    c. Asphalt Mircosurfacing
    d. Asphalt Overlay (Incl thin lift) – overlay of less than or equal to .2’.
    e. PCCP – white topping or concrete overlay.
    f. Asphalt 3/8” Plant Mix Surf – 3/8” PMS overlay less than or equal to .2’.