

# Submitting Cylinders to MnDOT Lab – Sample ID Card

Fill out ID Card Completely and Legibly (As shown in examples below)

- 1) See Table 1 - Material Code Table/Spec Number to determine the correct *Spec No*
- 2) Include full first and last name and correct phone number
- 3) Include Entire *Mix No.* (3B52F, 3F32CF, etc.)
- 4) Include *Source ID* (RM####, CPAV####) and Source Name – From Mix Design Sheet
- 5) In *Remarks*, include Mix Design Sheet ID (RMX###-###, JMF##-###, PS##-###) – **Required to be printed on Certificate of Compliance / batch ticket.**
- 6) Include *Field Test Results* on ALL standard strength cylinders and field control cylinders as available.

Standard Strength (28-day or 56-day) Cylinders:

- Must deliver to lab within 7 days of casting,
- For 28-day/56-day standard strength cylinders, fill out one ID card per set of 3 cylinders,

MnDOT TP-02409-02 (8-15) <b>LAB I.D. NUMBER</b>	Minnesota Department of Transportation <b>Concrete Cylinder Identification Card</b> Date Made: 9/29/2021      Field I.D.: 38 Spec No.: 2461 #1      Spec Yr: 2020 Email reports to: clay.pitts@state.mn.us										
<input checked="" type="checkbox"/> S.P.      Proj. No. 2710-15      Br. / TH No. 7 <input type="checkbox"/> S.A.P.      Submitted By Tom Sands      Tel. No. (612) 345-6789 #2 <input type="checkbox"/> Co./City      Proj. Eng. Clay Pitts      Res. Eng. Bob Loams <input type="checkbox"/> Maint.      County/City Hennepin      District No.: Metro Mix No. (3F52, etc.) 3F32CF #3      Part of Structure      C&G STA 101 to 103 Source of Ready Mix RM 777 - Green Plant #201 #4 <input type="checkbox"/> Mobile Mixer <input type="checkbox"/> Job Mix Required Strength 4500      Testing Age: <input checked="" type="checkbox"/> 28 days <input type="checkbox"/> 56 days <input type="checkbox"/> other _____ hrs/days Remarks RMX777-001 #5 <b>REQUIRED to be printed on Cert of Compliance</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="5">Field Test Results:</th> </tr> <tr> <td style="width: 20%;">Ticket No. 67394304</td> <td style="width: 20%;">Concrete Temp (°F) 73</td> <td style="width: 20%;">Air Temp (°F) 59</td> <td style="width: 20%;">% Air Content 6.2</td> <td style="width: 20%;">Slump (In.) 4</td> </tr> </table>	Field Test Results:					Ticket No. 67394304	Concrete Temp (°F) 73	Air Temp (°F) 59	% Air Content 6.2	Slump (In.) 4
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Field Control Cylinder:

- Fill out one ID card for each field control cylinder,
- Cure cylinder with the structure until delivery to the lab on the day of the break

MnDOT TP-02409-02 (8-15) <b>LAB I.D. NUMBER</b>	Minnesota Department of Transportation <b>Concrete Cylinder Identification Card</b> Date Made: 10/6/2022      Field I.D.: 122 Spec No.: 2302 #1      Spec Yr: 2020 Email reports to: clay.pitts@state.mn.us										
<input checked="" type="checkbox"/> S.P.      Proj. No. 1020-30      Br. / TH No. 394 <input type="checkbox"/> S.A.P.      Submitted By Tom Sands      Tel. No. (612) 345-6789 #2 <input type="checkbox"/> Co./City      Proj. Eng. Clay Pitts      Res. Eng. Bob Loams <input type="checkbox"/> Maint.      County/City Hennepin      District No.: Metro Mix No. (3F52, etc.) 3RHE52 #3      Part of Structure      Full Depth Repair Source of Ready Mix RM777 - Green Plant #4 <input type="checkbox"/> Mobile Mixer <input type="checkbox"/> Job Mix Required Strength 3000      Testing Age: <input type="checkbox"/> 28 days <input type="checkbox"/> 56 days <input checked="" type="checkbox"/> other 48 hrs/days Remarks Field Control RMX777-001 #5 <b>REQUIRED to be printed on Cert of Compliance</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="5">Field Test Results:</th> </tr> <tr> <td style="width: 20%;">Ticket No. 82996</td> <td style="width: 20%;">Concrete Temp (°F) 72</td> <td style="width: 20%;">Air Temp (°F) 64</td> <td style="width: 20%;">% Air Content 6.8</td> <td style="width: 20%;">Slump (In.) 3</td> </tr> </table>	Field Test Results:					Ticket No. 82996	Concrete Temp (°F) 72	Air Temp (°F) 64	% Air Content 6.8	Slump (In.) 3
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## From #1 - Determining the Spec. No:

All Concrete Mix Designs stored in AASHTOWare Project are associated with one of the following MnDOT Spec. Numbers (Spec No.): 2301, 2302, 2401, 2404, 2519, and 2461.

- If the mix design is on a sheet labeled RMX the spec number is 2461.
- If a mix design is either a Job Mix Formula (JMF) or a Project Specific (PS) mix design, then the Spec No. would be one of the following 2301, 2302, 2401, 2404, or 2519.

**Table 1 - Material Code Table/ Spec Number**

<b>(Select the material code based on the Mix Design Number provided)</b>					
2461 - Structural	2401 - Bridge	2404 - Bridge OL	2302 - Rehab	2301 - Pavement	2519 - Cellular
RMX Sheet	Project Specific JMF or PS Sheet	No Mix Design Sheet	No Mix Design Sheet	Project Specific JMF or PS Sheet	No Mix Design Sheet
3B52	3YHPC-M	3U17A	3U18	3A21	LD-CLSM
3F32	3YHPC-S	3U58M		3A41	HD-CLSM
3F52	3YLCHPC-M			3A21S	LCCF
3F52EX	3YLCHPC-S			3A41S	
3F53EX	SCCHPC			3A21HE	
3F57EX	1G52-MC			3A41HE	
3F52CO	3B52-MC				
1G52					
3G52					
3M12					
3M52					
1P42					
1P62					
3R52					
3S12					
3S52					
1X62					
3X62					
3Y42-M					
3Y42-S					
3Y43					
3Y47					
1A GROUT					
3A GROUT					
LEAN MIX					
1PHE62					
3HE32					
3HE52					
3YHE52					
3RHE52					
3A42					

In AASHTOWare, the Source Material Identifier (SMI) needs to exactly match what is on the (RMX) mix design sheet. For example, if a RMX mix design is 3F52CF choose 3F52CF from the dropdown, Do **NOT** choose 3F52 in lieu of 3F52CF.

Again, in AASHTOWare, the SMI dropdown needs to exactly match what is on the JMF or PS mix design sheet(s). For example, choose 3YHPC-MNL, 3B52-MC4L, etc. Do **NOT** choose 3B52 in lieu of 3B52-MC4L.

Contact the Concrete Engineering Unit or email [conc1off.dot@state.mn.us](mailto:conc1off.dot@state.mn.us) if mix design is not available in SMI dropdown.

*Cylinder ID Card and Curing Questions - Contact the Concrete Engineering Unit*