

**Sub System 3 SS3 –  
UMH Machine**

- SS3.1 - Unload 4ft and shoulder ballast
- SS3.2 - Unload pea gravel / ballast into drainage trench
- SS3.3 – Bulk unload material for bank slip repairs, retaining wall backfill, build up areas
- SS3.4 - Unload bottom ballast into excavation
- SS3.5 - Unload material in support of undercutter system
- SS3.6 - Transfer material to wagons adjacent line
- SS3.7 - Unload material in support of Trenching system (eg Drainage)
- SS3.8 - Unload bottom ballast into Vac system excavation from adjacent line
- SS3.9 - Unload material for cress paths

**Sub System 1 SS1 –  
Spoil removal**

- SS1.1 - Load MFS/MFS+ with RRV
- SS1.2 - Load into MFS/ MFS+ with undercutter system
- SS1.3 – Load into MFS/ MFS+ with vac system
- SS1.4 – Load into MFS+ with Conveyor system



**Machine Group System**

**SS4.1 - Receive spoil from MFS+**

**SS4.2 - Transfer material to MFS+**

**SS4.3 - Receive spoil / ballast from a RRV**

**SS4.4 - Transfer material to MFS2000**

**SS4.5 - Transfer material to UMH**

**SS4.6 - Transfer material into hole excavated by Vac system / undercutter**

**SS4.7 - Receive spoil from undercutter**

**SS4.8 - Receive spoil from vac system**

**Sub System 4 SS4 –  
Standard MFS wagons**

**SS2.1 - Receive spoil / ballast from a RRV**

**SS2.2 - Receive spoil / ballast from a conveyor system**

**SS2.3 - Transfer material to MFS+**

**SS2.4 - Shuttle material on site**

**SS2.5 - Transfer material to MFS 2000**

**SS2.6 - Unload material into excavation**

**SS2.7 - Receive material from MFS2000**

**Sub System 2 SS2 -  
MFS+ Machines**