

## Maintenance Work Element Program WORK EXPERIENCE EVALUATION

### Key Work Elements for Transportation Maintenance Worker (TMW) 6 to TMW 7

2,080 Hours at TMW 6 level and 12 Elements are required for reallocation from the TMW 6 to TMW 7 level.

EMPLOYEE NAME				EMPLOYEE ID NUMBER					
WORK ELEMENT NUMBER	WORK ELEMENT TITLE	HOURS	CERTIFICATION METHOD	INITIALS	DATE	EXAM		DEMO	
						SCORE	DATE	SCORE	DATE
SIX - REQUIRED KEY ELEMENTS									
2000	ENVIRONMENTAL I		CERTIFICATE						
2009	TRAFFIC REGULATOR DUTIES	16	EXAM						
2018	TRAFFIC CONTROL IN WORK AREA I TEMPORARY SIGNING	10	HOURS ONLY						
2500	EQUIPMENT SERVICING I	8	EXAM						
2501	LARGE MAINTENANCE TRUCK 03 & 04	40	HOURS ONLY						
2502	FRONT END LOADER	40	DEMO, PERMIT						
MINIMUM OF THREE - ELECTIVE KEY ELEMENTS									
2120	TREE REMOVAL I	40	EXAM						
2142	SALTING AND SANDING I	40	EXAM						
2143	BLADING SNOW I	40	EXAM						
2151	BRIDGE DECK REPAIR I	40	HOURS ONLY						
2159	ABRASIVE BLAST MACHINE/HOODED RESPIRATOR	40	CERTIFICATE						
2160	SMALL SIGN MAINTENANCE I	40	HOURS ONLY						
2167	BASIC OVERHEAD SIGN	24	HOURS ONLY						
2168	BASIC SIGN FABRICATION	24	HOURS ONLY						
2503	AIR TOOLS AND COMPRESSOR	16	EXAM						
2505	SKID STEER LOADER	40	DEMO, PERMIT						
2520	CHAIN SAW	24	EXAM, DEMO						
2561	SMALL AERIAL DEVICE	40	DEMO, PERMIT						
Skid Steer (2505) can be substituted when the front end loader is not available locally. If substituted 2505 may not be used as an Elective Element. This substitution must be approved through the appeal process.									

## Maintenance Work Element Program WORK EXPERIENCE EVALUATION

### Non-Key Work Elements for TMW 6 to TMW 7

2,080 Hours at TMW 6 level and 12 Elements are required for reallocation from the TMW 6 to TMW 7 level.

WORK ELEMENT NUMBER	WORK ELEMENT TITLE	HOURS	CERTIFICATION METHOD	INITIALS	DATE	EXAM		DEMO	
						SCORE	DATE	SCORE	DATE
<b>NON-KEY WORK ELEMENTS</b>									
2101	CRACK FILLING	40	HOURS ONLY						
2102	REMOVE AND REPLACE PAVEMENT I	40	HOURS ONLY						
2103	PATROL PATCHING	16	HOURS ONLY						
2104	SEAL PATCHING I	40	HOURS ONLY						
2105	BITUMINOUS PATCHING I	40	HOURS ONLY						
2106	BITUMINOUS LEVELING I	40	HOURS ONLY						
2112	PATCHING GRAVEL SHOULDERS	16	HOURS ONLY						
2118	SEAL COATING I	40	HOURS ONLY						
2126	AREA MOWING	40	HOURS ONLY						
2127	BRUSH AND SMALL TREE REMOVAL	40	HOURS ONLY						
2137	RIGHT OF WAY FENCE REPAIR	40	HOURS ONLY						
2153	FORM BUILDING AND REINFORCING STEEL	40	HOURS ONLY						
2164	DELINEATOR MAINTENANCE	16	HOURS ONLY						
2170	BASIC PAINTING/STAINING	16	HOURS ONLY						
2504	TRACTOR/ATTACHMENTS	24	DEMO, PERMIT						
2507	SMALL CONCRETE SAW	24	DEMO						
2524	DESCENT CONTROL DEVICE		CERTIFICATE						
2550	VERTICAL LIFT EQUIPMENT	40	PERMIT						
2560	HYDRAULIC POST PULLER	16	HOURS ONLY						
2562	CONVOY VEHICLE	16	HOURS ONLY						
2567	ELECTRIC TOOLS AND GENERATOR	16	HOURS ONLY						

## Maintenance Work Element Program WORK EXPERIENCE EVALUATION

### Key Work Elements for TMW 7 to TMW E8

2,080 Hours at TMW 7 level and 12 Elements are required for reallocation from the TMW 7 to TMW E8 level.

EMPLOYEE NAME			EMPLOYEE ID NUMBER						
WORK ELEMENT NUMBER	WORK ELEMENT TITLE	HOURS	CERTIFICATION METHOD	INITIALS	DATE	EXAM		DEMO	
						SCORE	DATE	SCORE	DATE
<b>FOUR - REQUIRED KEY ELEMENTS</b>									
2142	SALTING AND SANDING I	40	EXAM						
2143	BLADING SNOW I	40	EXAM						
3018	TRAFFIC CONTROL IN WORK AREA II	10	EXAM, DEMO						
3500	EQUIPMENT SERVICING II	16	EXAM						
<b>MINIMUM OF FOUR - ELECTIVE KEY ELEMENTS</b>									
3002	SOIL EROSION CONTROL		EXAM						
3142	SALTING AND SANDING II	160	HOURS ONLY						
3143	BLADING SNOW II	160	HOURS ONLY						
3151	BRIDGE DECK REPAIR II	40	EXAM						
3160	SMALL SIGN MAINTENANCE II	40	EXAM						
3164	SMALL SIGN ERECTION	40	HOURS ONLY						
3167	LARGE SIGN MAINTENANCE	40	HOURS ONLY						
3168	SIGN FABRICATION	40	HOURS ONLY						
3169	LARGE SIGN ERECTION	40	HOURS ONLY						
3170	TOPPING AND REMOVING TREES	40	EXAM						
3171	TREE TRIMMING	40	EXAM						
3503	ACETYLENE TORCHES	16	EXAM, DEMO						
3520	BRUSH CHIPPER	16	EXAM						
3560	LARGE AERIAL DEVICE	40	DEMO, PERMIT						
3567	SMALL HYDRAULIC CRANE	24	DEMO						

## Maintenance Work Element Program WORK EXPERIENCE EVALUATION

### Non-Key Work Elements for TMW 7 to TMW E8

2,080 Hours at TMW 7 level and 12 Elements are required for reallocation from the TMW 7 to TMW E8 level.

WORK ELEMENT NUMBER	WORK ELEMENT TITLE	HOURS	CERTIFICATION METHOD	INITIALS	DATE	EXAM		DEMO	
						SCORE	DATE	SCORE	DATE
<b>NON-KEY WORK ELEMENTS</b>									
3101	SQUEEGEE MACHINE OPERATION	40	DEMO						
3102	REMOVE AND REPLACE PAVEMENT II	40	EXAM						
3104	SEAL PATCHING II	40	HOURS ONLY						
3105	BITUMINOUS PATCHING II	40	HOURS ONLY						
3106	BITUMINOUS LEVELING II	40	HOURS ONLY						
3107	SAWING PAVEMENT	24	EXAM, DEMO						
3108	BUMP REMOVAL	40	HOURS ONLY						
3109	SEAL COATING II	40	HOURS ONLY						
3110	ROUTINE BLADING	40	DEMO						
3111	SHOULDER REHABILITATION	40	DEMO						
3117	SHOULDER WINDROW REMOVAL	40	DEMO						
3119	SLURRY SEAL OPERATION	40	DEMO						
3120	TREE REMOVAL II	40	HOURS ONLY						
3121	STUMP REMOVAL	40	DEMO						
3123	DITCH CLEAN OUT	40	HOURS ONLY						
3128	CULVERT AND UNDERDRAIN MAINTENANCE	40	HOURS ONLY						
3129	REPAIR CABLE MEDIAN BARRIER	40	HOURS ONLY						
3130	REPAIR STEEL BEAM GUARDRAIL	80	HOURS ONLY						
3131	CONCRETE MEDIAN BARRIER REPAIR	40	HOURS ONLY						
3132	APPROACH SWEEPING	24	HOURS ONLY						
3136	MECHANICAL CURB SWEEPING	40	DEMO						
3144	WINTER ROAD PATROL-DAY OR NIGHT	32	HOURS ONLY						
3145	PLOWING SNOW	40	DEMO						

## Maintenance Work Element Program WORK EXPERIENCE EVALUATION

### Non-Key Work Elements for TMW 7 to TMW E8

2,080 Hours at TMW 7 level and 12 Elements are required for reallocation from the TMW 7 to TMW E8 level.

WORK ELEMENT NUMBER	WORK ELEMENT TITLE	HOURS	CERTIFICATION METHOD	INITIALS	DATE	EXAM		DEMO	
						SCORE	DATE	SCORE	DATE
<b>NON-KEY WORK ELEMENTS</b>									
3149	OTHER ROUTINE WINTER MAINTENANCE	40	HOURS ONLY						
3153	HEAVY CULVERT MAINTENANCE (BOX, SLAB AND FLOOR)	40	EXAM						
3154	THIN EPOXY OVERLAY/HEALER SEALER	40	HOURS ONLY						
3155	BRIDGE SUBSTRUCTURE MAINTENANCE	40	HOURS ONLY						
3156	RELIEF JOINT INSTALLATION	40	HOURS ONLY						
3157	BRIDGE SIDEWALK AND RAILING REPAIR OR REPLACEMENT	40	HOURS ONLY						
3159	BRIDGE ABRASIVE BLASTING	40	EXAM						
3162	SIGN SILK SCREENING	40	HOURS ONLY						
3165	IMPACT ATTENUATOR MAINTENANCE (STATIONARY)	16	HOURS ONLY						
3166	SPECIAL PAVEMENT MARKINGS	40	DEMO						
3172	HERBICIDE SPRAYING	40	DEMO, CERTIFICATE						
3174	TREE AND SHRUB PRUNING	24	HOURS ONLY						
3175	HYDRO SEEDING	24	HOURS ONLY						
3180	ELECTRIC WELDING (NON-CERTIFIED)	24	EXAM						
3183	PLAN READING, CHECK AND SET GRADES	16	CERTIFICATION						
3186	PAVEMENT MARKING REMOVAL	40	HOURS ONLY						
3187	ERECTION OF BRIDGE MOUNTED SIGNS	40	HOURS ONLY						

## Maintenance Work Element Program WORK EXPERIENCE EVALUATION

### Non-Key Work Elements for TMW 7 to TMW E8

2,080 Hours at TMW 7 level and 12 Elements are required for reallocation from the TMW 7 to TMW E8 level.

WORK ELEMENT NUMBER	WORK ELEMENT TITLE	HOURS	CERTIFICATION METHOD	INITIALS	DATE	EXAM		DEMO	
						SCORE	DATE	SCORE	DATE
<b>NON-KEY WORK ELEMENTS</b>									
3188	INSTALLATION OF WOOD AND STEEL BREAKAWAY SIGN SUPPORTS	40	HOURS ONLY						
3189	STEEL POLES FOR TRAFFIC CONTROL	40	HOURS ONLY						
3190	CANTILEVER AND TRUSS ERECTION	40	HOURS ONLY						
3191	CANTILEVER AND TRUSS FOUNDATIONS	40	HOURS ONLY						
3192	UTILITY STAKEOUT	10	CERTIFICATE						
3196	ASSIST IN WORK ELEMENT TRAINING	10	HOURS ONLY						
3197	TIME ACTIVITY AND EQUIPMENT REPORTING	40	EXAM, DEMO						
3501	PAVEMENT ROUTER	24	HOURS ONLY						
3502	PRE-MIX HEATER	40	HOURS ONLY						
3504	COMPACTION ROLLER	40	HOURS ONLY						
3505	BITUMINOUS EMULSION HEATERS (TAR KETTLE)	40	DEMO						
3506	BITUMINOUS DISTRIBUTOR (SEAL COATING)	40	HOURS ONLY						
3507	INFRARED HEATER	40	HOURS ONLY						
3509	COLD MILLING (GRINDER)	40	DEMO						
3510	BEAM BREAKER	4	HOURS ONLY						
3511	SMALL GRADER (MAINTAINER)	40	DEMO						
3512	GRAVEL RECLAIMER (OFFSET DISK)	24	DEMO						
3513	FORKLIFT	40	DEMO, PERMIT						
3527	WATER JET CLEANER	24	DEMO						
3565	48" ROLLER APPLICATOR	40	HOURS ONLY						
3566	HYDRAULIC SHEER SET UP	40	HOURS ONLY						
3569	LARGE UTILITY TRAILER (Minimum 24,000 GWR)	24	EXAM, DEMO						

## Maintenance Work Element Program WORK EXPERIENCE EVALUATION

### Key Work Elements for TMW E8 TO TMW 9

Completion of required General Core Element 4600 and Maintenance Administration Core Element 5680 and two Elective Core Elements are needed to meet the minimum requirements for a TMW E8 to TMW 9 level.

EMPLOYEE NAME				EMPLOYEE ID NUMBER					
WORK ELEMENT NUMBER	WORK ELEMENT TITLE	HOURS	CERTIFICATION METHOD	INITIALS	DATE	EXAM		DEMO	
						SCORE	DATE	SCORE	DATE
<b>SIX ELEMENTS INCLUDING 3197 REQUIRED - GENERAL - REQUIRED CORE ELEMENT 4600</b>									
3002	SOIL EROSION CONTROL	N/A	TMW CERTIFICATE ONLY						
3018	TRAFFIC CONTROL IN WORK AREA II	N/A	TMW CERTIFICATE ONLY						
3183	PLAN READING, CHECK AND SET GRADES	N/A	TMW CERTIFICATE ONLY						
3192	UTILITY STAKEOUT	N/A	TMW CERTIFICATE ONLY						
3196	ASSIST IN WORK ELEMENT TRAINING	N/A	TMW CERTIFICATE ONLY						
3197	TIME ACTIVITY AND EQUIPMENT REPORTING	N/A	TMW CERTIFICATE ONLY						
3500	EQUIPMENT SERVICING II	N/A	TMW CERTIFICATE ONLY						
<b>MINIMUM OF FIVE - SURFACE &amp; SHOULDER MAINTENANCE - ELECTIVE CORE ELEMENT 4601</b>									
2101	CRACK FILLING		TMW CERTIFICATE ONLY						
2112	PATCHING GRAVEL SHOULDERS		TMW CERTIFICATE ONLY						
3101	SQUEEGEE MACHINE OPERATION		TMW CERTIFICATE ONLY						
3102	REMOVE AND REPLACE PAVEMENT II		TMW CERTIFICATE ONLY						
3104	SEAL PATCHING II		TMW CERTIFICATE ONLY						
3105	BITUMINOUS PATCHING II		TMW CERTIFICATE ONLY						
3106	BITUMINOUS LEVELING II		TMW CERTIFICATE ONLY						
3108	BUMP REMOVAL		TMW CERTIFICATE ONLY						
3109	SEAL COATING II		TMW CERTIFICATE ONLY						
3110	ROUTINE BLADING		TMW CERTIFICATE ONLY						
3111	SHOULDER REHABILITATION		TMW CERTIFICATE ONLY						
3117	SHOULDER WINDROW REMOVAL		TMW CERTIFICATE ONLY						
3119	SLURRY SEAL OPERATION		TMW CERTIFICATE ONLY						

## Maintenance Work Element Program WORK EXPERIENCE EVALUATION

### Key Work Elements for TMW E8 TO TMW 9

Completion of required General Core Element 4600 and Maintenance Administration Core Element 5680 and two Elective Core Elements are needed to meet the minimum requirements for a TMW E8 to TMW 9 level.

WORK ELEMENT NUMBER	WORK ELEMENT TITLE	HOURS	CERTIFICATION METHOD	INITIALS	DATE	EXAM		DEMO	
						SCORE	DATE	SCORE	DATE
<b>MINIMUM OF FIVE - ROADSIDE OPERATIONS - ELECTIVE CORE ELEMENT 4630</b>									
2126	AREA MOWING		TMW CERTIFICATE ONLY						
2127	BRUSH AND SMALL TREE REMOVAL		TMW CERTIFICATE ONLY						
2137	RIGHT OF WAY FENCE REPAIR		TMW CERTIFICATE ONLY						
3120	TREE REMOVAL II		TMW CERTIFICATE ONLY						
3121	STUMP REMOVAL		TMW CERTIFICATE ONLY						
3123	DITCH CLEAN OUT		TMW CERTIFICATE ONLY						
3128	CULVERT AND UNDERDRAIN MAINTENANCE		TMW CERTIFICATE ONLY						
3129	REPAIR CABLE MEDIAN BARRIER		TMW CERTIFICATE ONLY						
3130	REPAIR STEEL BEAM GUARDRAIL		TMW CERTIFICATE ONLY						
3131	CONCRETE MEDIAN BARRIER REPAIR		TMW CERTIFICATE ONLY						
3170	TOPPING AND REMOVING TREES		TMW CERTIFICATE ONLY						
3171	TREE TRIMMING		TMW CERTIFICATE ONLY						
3172	HERBICIDE SPRAYING		TMW CERTIFICATE ONLY						
3175	HYDRO SEEDING		TMW CERTIFICATE ONLY						
<b>MINIMUM OF FOUR - WINTER MAINTENANCE - ELECTIVE CORE ELEMENT 4640</b>									
3142	SALTING AND SANDING II		TMW CERTIFICATE ONLY						
3143	BLADING SNOW II		TMW CERTIFICATE ONLY						
3144	WINTER ROAD PATROL DAY OR NIGHT		TMW CERTIFICATE ONLY						
3145	PLOWING SNOW		TMW CERTIFICATE ONLY						
3149	OTHER ROUTINE WINTER MAINTENANCE		TMW CERTIFICATE ONLY						



## Maintenance Work Element Program WORK EXPERIENCE EVALUATION

### Key Work Elements for TMW E8 TO TMW 9

Completion of required General Core Element 4600 and Maintenance Administration Core Element 5680 and two Elective Core Elements are needed to meet the minimum requirements for a TMW E8 to TMW 9 level.

WORK ELEMENT NUMBER	WORK ELEMENT TITLE	HOURS	CERTIFICATION METHOD	INITIALS	DATE	EXAM		DEMO	
						SCORE	DATE	SCORE	DATE
<b>MINIMUM OF FIVE - BRIDGE MAINTENANCE - ELECTIVE CORE ELEMENT 4650</b>									
3151	BRIDGE DECK REPAIR II		TMW CERTIFICATE ONLY						
3153	HEAVY CULVERT MAINTENANCE (BOX, SLAB & FLOOR)		TMW CERTIFICATE ONLY						
3154	THIN EPOXY OVERLAY/HEALER SEALER		TMW CERTIFICATE ONLY						
3155	BRIDGE SUBSTRUCTURE MAINTENANCE		TMW CERTIFICATE ONLY						
3156	RELIEF JOINT INSTALLATION		TMW CERTIFICATE ONLY						
3157	BRIDGE SIDEWALK AND RAILING REPAIR OR REPLACEMENT		TMW CERTIFICATE ONLY						
3159	BRIDGE ABRASIVE BLASTING		TMW CERTIFICATE ONLY						
4018	OVERNIGHT AND LONG TERM TRAFFIC CONTROL	10	DEMO						
4148	SCAFFOLDING, STAGING AND RIGGING		EXAM						
4158	BRIDGE BEARING REPAIR	40	EXAM						
<b>MINIMUM OF FOUR - SIGN MAINTENANCE - ELECTIVE CORE ELEMENT 4660</b>									
3160	SMALL SIGN MAINTENANCE II		TMW CERTIFICATE ONLY						
3162	SIGN SILK SCREENING		TMW CERTIFICATE ONLY						
3164	SMALL SIGN ERECTION		TMW CERTIFICATE ONLY						
3167	LARGE SIGN MAINTENANCE		TMW CERTIFICATE ONLY						
3168	SIGN FABRICATION		TMW CERTIFICATE ONLY						
3169	LARGE SIGN ERECTION		TMW CERTIFICATE ONLY						
3187	ERECTION OF BRIDGE MOUNTED SIGNS		TMW CERTIFICATE ONLY						
3188	INSTALLATION OF WOOD AND STEEL BREAKAWAY SIGN SUPPORTS		TMW CERTIFICATE ONLY						
3189	STEEL POLES FOR TRAFFIC CONTROL		TMW CERTIFICATE ONLY						
3190	CANTILEVER AND TRUSS ERECTION		TMW CERTIFICATE ONLY						
3191	CANTILEVER AND TRUSS FOUNDATIONS		TMW CERTIFICATE ONLY						



