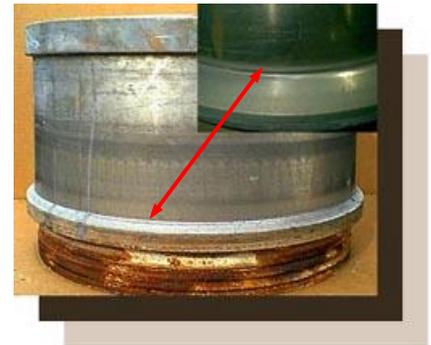


# RESTORE AND GRIND

THE BEFORE AND AFTER PICTURES OF AN 18" MORGAN KOCH INTERMEDIATE WIRE DRAWING BLOCK REPRESENT A SIGNIFICANT ADVANCEMENT IN THE REDUCTION OF COSTS ASSOCIATED WITH THE HARD SURFACING AND MAINTENANCE OF ALL WIRE DRAWING BLOCKS.

IN THE BEFORE PICTURE (RIGHT), THE BLOCK HAS A .040" DEEP GROOVE AT THE DRAW LINE WHICH CAUSES MARKING, OVERLAPPING, AND OCCASIONALLY WIRE BREAKS. THE BLOCK HAD BEEN PREVIOUSLY HARD SURFACED WITH OUR PK-700, A TUNGSTEN CARBIDE HVOF SPRAY COATING DEPOSITED TO FINISHED THICKNESS OF .080". PAST PROCEDURE WOULD BE TO REGRIND THE BLOCK WITH THE CORRECT TAPER UNTIL THE .040" DEEP GROOVE DISAPPEARED.



**BEFORE**

PARKWAY-KEW HAS DEVELOPED A SPECIAL PROCESS THAT FILLS IN THE GROOVE WITH THE APPROPRIATE COATING. THIS PROCESS ALLOWS FOR A MINIMAL AMOUNT OF STOCK TO BE REMOVED IN RESTORING THE BLOCK CONTOUR. THE FINISH CONTOUR DOES NOT EXHIBIT ANY CHIPPING OR FLAKING OF THE HARD COATING IN THE GROOVED AREA, AS ONE MIGHT NORMALLY EXPECT WHEN A GROOVE IS FILLED IN WITH AN HVOF SPRAY SYSTEM (PICTURE - LOWER LEFT).



**AFTER**

USING THE "RESTORE AND GRIND" PROCESS ON A BLOCK THAT HAS BEEN PREVIOUSLY HARD SURFACED CAN YIELD AS MANY AS SEVEN REGRINDS, WHICH ARE AS LONG LASTING AS THE ORIGINAL SURFACE, BUT AT A FRACTION OF THE INITIAL COST. THIS CAN GREATLY REDUCE THE LONG-TERM MAINTENANCE COSTS. "RESTORE AND GRIND" CAN BE DONE WITH MOST OF OUR EXISTING HARD COATINGS INCLUDING: PK-750, PK-700, PK-920, PK-675, PK-503, PK-400 AND PK-200. IN ADDITION, OUR MOST WEAR RESISTANT ALLOY FOR WIRE DRAWING BLOCKS, PK-750, CAN BE SUBSTITUTED FOR THE ORIGINAL HARD SURFACING. THIS CAN ACHIEVE AN INCREASE IN THE WEAR LIFE OVER THE ORIGINAL HARD SURFACING.