



- ① CONSTRUCT SECURITY FENCE
  - REMOVE EXISTING WOODEN WIRE AND CHAIN LINK FENCES
  - CONSTRUCT APPROACH WITH 1 1/2" CMP
  - INSTALL SECURITY FENCE
- ② RUNWAY 5/23
  - REGRADE PROFILE AND BACK SLOPES
  - REMOVE EXISTING BITUMINOUS PAVEMENT
  - EXCAVATE EXISTING SOILS TO BOTTOM OF PAVEMENT SECTION
  - PERFORM SUBGRUITS (AS DIRECTED)
  - REPLACE ELECTRICAL COMPONENTS
  - INSTALL EDGE DRAIN
  - PLACE GEOTEXTILE FABRIC AND BASE COURSE
  - CONSTRUCT ASPHALT CONCRETE SURFACE COURSE
- ③ TAXIWAY B
  - REGRADE PROFILE
  - REPLACE ELECTRICAL COMPONENTS
  - REMOVE EXISTING BITUMINOUS PAVEMENT
  - EXCAVATE EXISTING SOILS TO BOTTOM OF PAVEMENT SECTION
  - PERFORM SUBGRUITS (AS DIRECTED)
  - REPLACE ELECTRICAL COMPONENTS
  - PLACE GEOTEXTILE FABRIC AND BASE COURSE
  - CONSTRUCT ASPHALT CONCRETE SURFACE COURSE
- ④ OVERLAY RUNWAY 5/23 AND TAXIWAY B
  - MILL ± 2" OF EXISTING BITUMINOUS SURFACE
  - REMOVE ELECTRICAL CANS
  - OVERLAY WITH ASPHALT CONCRETE SURFACE COURSE
- ⑤ RESTRICTED WORK HOURS
  - MILL ± 2" OF EXISTING BITUMINOUS SURFACE
  - CONSTRUCTION LIMITED TO NIGHT HOURS (SEE CONSTRUCTION SAFETY PLAN)
  - OVERLAY WITH ASPHALT CONCRETE SURFACE COURSE

**BASIS OF ESTIMATE**

THE RATES OF MATERIALS SHOWN ARE PROVIDED AS INFORMATIONAL ITEMS TO THE CONTRACTOR. THE EXACT RATE SHALL BE SET BY THE ENGINEER BASED ON CONDITIONS AT THE SITE AND ON CHARACTERISTICS OF MATERIALS FURNISHED BY THE CONTRACTOR.

- THE ESTIMATE OF QUANTITIES IS BASED ON THE FOLLOWING RATES OF MATERIALS
- JANDECK (P-152) - 30% ADDITIONAL VOLUME ADDED FOR SHRINKAGE (INCLUDED IN UNCLASSIFIED EXCAVATION QUANTITY FOR PAYMENT)
  - TOPSOIL REMOVAL (P-152) - STRIP 4" OVER ALL EXCAVATION OR EMBANKMENT AREAS (INCLUDED IN UNCLASSIFIED EXCAVATION QUANTITY FOR PAYMENT)
  - CRUSHED AGGREGATE BASE (P-208) - COMPACTED VOLUME IN PLACE
  - ASPHALT CONCRETE (P-431) - 2 IN /CY
  - ASPHALT CEMENT (SP-P-320) - 6 5/8 OF MIX
  - REMOVE AND DISPOSE OF BITUMINOUS PAVEMENT (SP-P-430) - 4" NOMINAL DEPTH (PHASES 2&3) (NOT INCLUDED IN UNCLASSIFIED EXCAVATION QUANTITY FOR PAYMENT)
  - BITUMINOUS TACK COAT (P-603) - 0.05 GAL./SY BETWEEN LIFTS 0.15 GAL./SY MILLED AREAS
  - BITUMINOUS PRIME COAT (P-602) - 0.30 GAL./SY
  - TOPSOIL PLACEMENT (T-905) - MEASURED IN STOCKPILES BY AVERAGE END AREAS OR PRISMATOID METHOD (PAID FOR AS TOPSOILING)
  - POROUS MATERIAL NUMBER 2 (D-705) - 0.018 CY./LF

EXISTING	ITEM	STAGE	FUTURE
	SECTION LINE WITH RIGHT-OF-WAY		
	BOUNDARY PROPERTY LINE		
	BOUNDARY EXISTING		
	P.D.T. EASEMENT		
	PLANNED PRO SECTION ZONE (R.C.)		
	BUILDING RESTRICTION LINE (B.R.L.)		
	2" MINIMUM CLEARANCE FREE ZONE (C.F.Z.)		
	RUNWAY SAFETY AREA (R.S.A.)		
	BUILDING		
	BITUMINOUS CONCRETE SURFACE		
	SUPPORT REFERENCE POINT (R.F.P.)		
	ADJUTANT SECTION		
	ROAD CORNER & SEPARATED ORCHER		
	TAPER POINT OUTLINE		
	SAMPLED AREA FENCE		
	CHAINLINK FENCE		
	POWER POLE/STREET LIGHT		
	RUNWAY LIGHT/THRESHOLD LIGHT		
	TAXIWAY LIGHT/TAXIWAY REFLECTOR		
	UTILITY		
	POLE/PAIS		

RAPID CITY REGIONAL AIRPORT RAPID CITY REGIONAL AIRPORT BOARD RAPID CITY SOUTH DAKOTA		SHEET NO <b>1</b>
<b>Kadmas Lee &amp; Jackson</b> Engineers, Surveyors and Planners		PROJECT NO. <b>06SR009</b>
DATE 11/23/2010	CITY R.C.	PROJECT BY J.S.