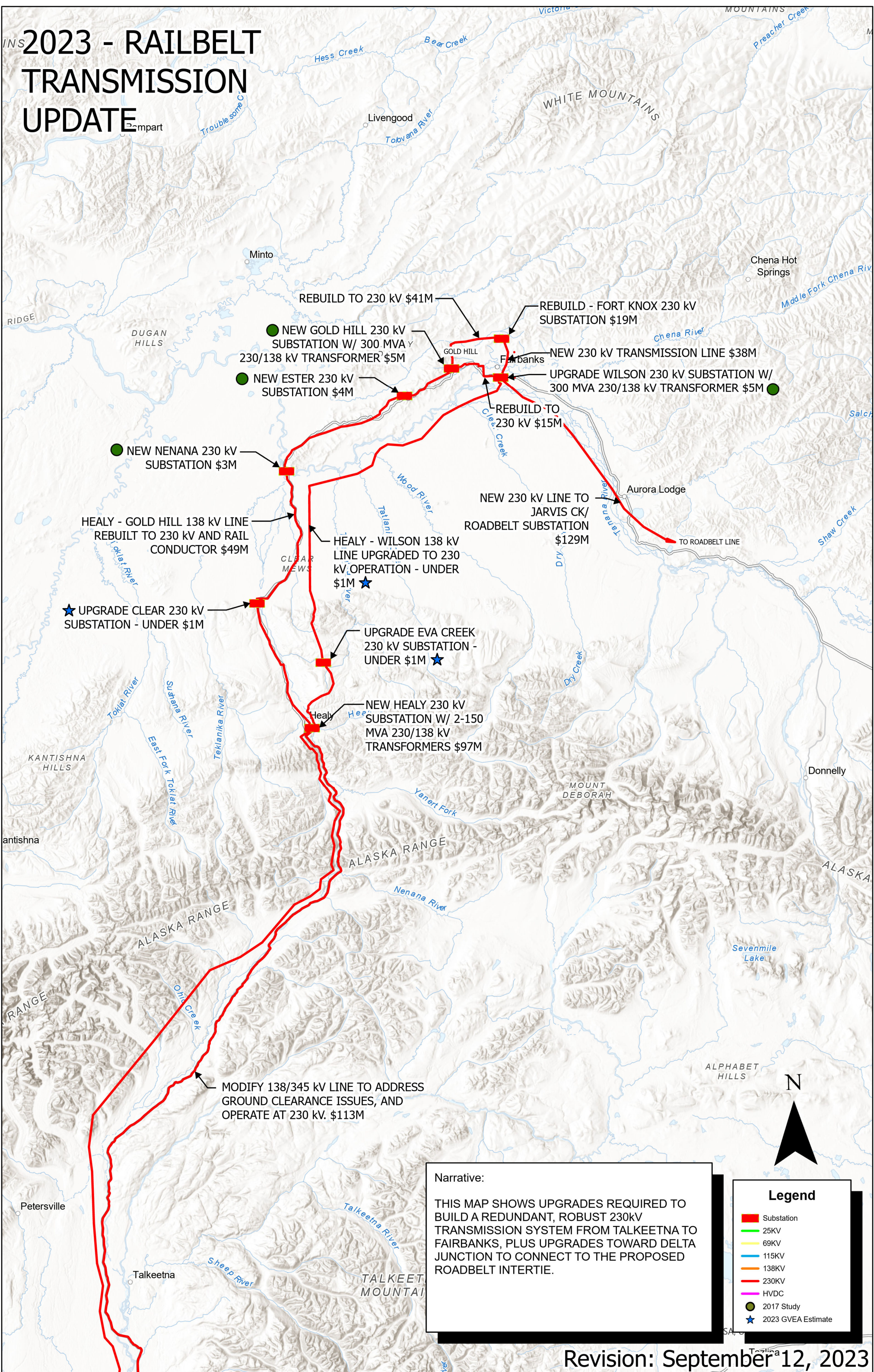


2023 - RAILBELT TRANSMISSION UPDATE



REBUILD TO 230 KV \$41M

NEW GOLD HILL 230 KV SUBSTATION W/ 300 MVA 230/138 KV TRANSFORMER \$5M

NEW ESTER 230 KV SUBSTATION \$4M

NEW NENANA 230 KV SUBSTATION \$3M

HEALY - GOLD HILL 138 KV LINE REBUILT TO 230 KV AND RAIL CONDUCTOR \$49M

★ UPGRADE CLEAR 230 KV SUBSTATION - UNDER \$1M

HEALY - WILSON 138 KV LINE UPGRADED TO 230 KV OPERATION - UNDER \$1M ★

UPGRADE EVA CREEK 230 KV SUBSTATION - UNDER \$1M ★

NEW HEALY 230 KV SUBSTATION W/ 2-150 MVA 230/138 KV TRANSFORMERS \$97M

MODIFY 138/345 KV LINE TO ADDRESS GROUND CLEARANCE ISSUES, AND OPERATE AT 230 KV. \$113M

REBUILD - FORT KNOX 230 KV SUBSTATION \$19M

NEW 230 KV TRANSMISSION LINE \$38M

UPGRADE WILSON 230 KV SUBSTATION W/ 300 MVA 230/138 KV TRANSFORMER \$5M

REBUILD TO 230 KV \$15M

NEW 230 KV LINE TO JARVIS CK/ ROADBELT SUBSTATION \$129M

Narrative:

THIS MAP SHOWS UPGRADES REQUIRED TO BUILD A REDUNDANT, ROBUST 230KV TRANSMISSION SYSTEM FROM TALLEETNA TO FAIRBANKS, PLUS UPGRADES TOWARD DELTA JUNCTION TO CONNECT TO THE PROPOSED ROADBELT INTERTIE.

Legend

- Substation
- 25KV
- 69KV
- 115KV
- 138KV
- 230KV
- HVDC
- 2017 Study
- ★ 2023 GVEA Estimate