1011-46-124   **Cynthia Farthing*** (`cfarthing2@math.unl.edu`), University of Nebraska, Lincoln, Department of Mathematics, 203 Avery Hall, Lincoln, NE 68588-0130. *Equivalence of groupoids associated to higher-rank graphs with and without sources.* Preliminary report.

Let Λ be a row-finite higher-rank graph with sources. Then one can construct a row-finite higher-rank graph without sources, $\overline{\Lambda}$. We examine the Morita equivalence of the groupoids associated to Λ and $\overline{\Lambda}$, which were developed via inverse semigroups by Farthing, Muhly and Yeend. To do this, we must show that the set of boundary paths of Λ is dense in the unit space of the groupoid associated to $\overline{\Lambda}$. (Received August 22, 2005)