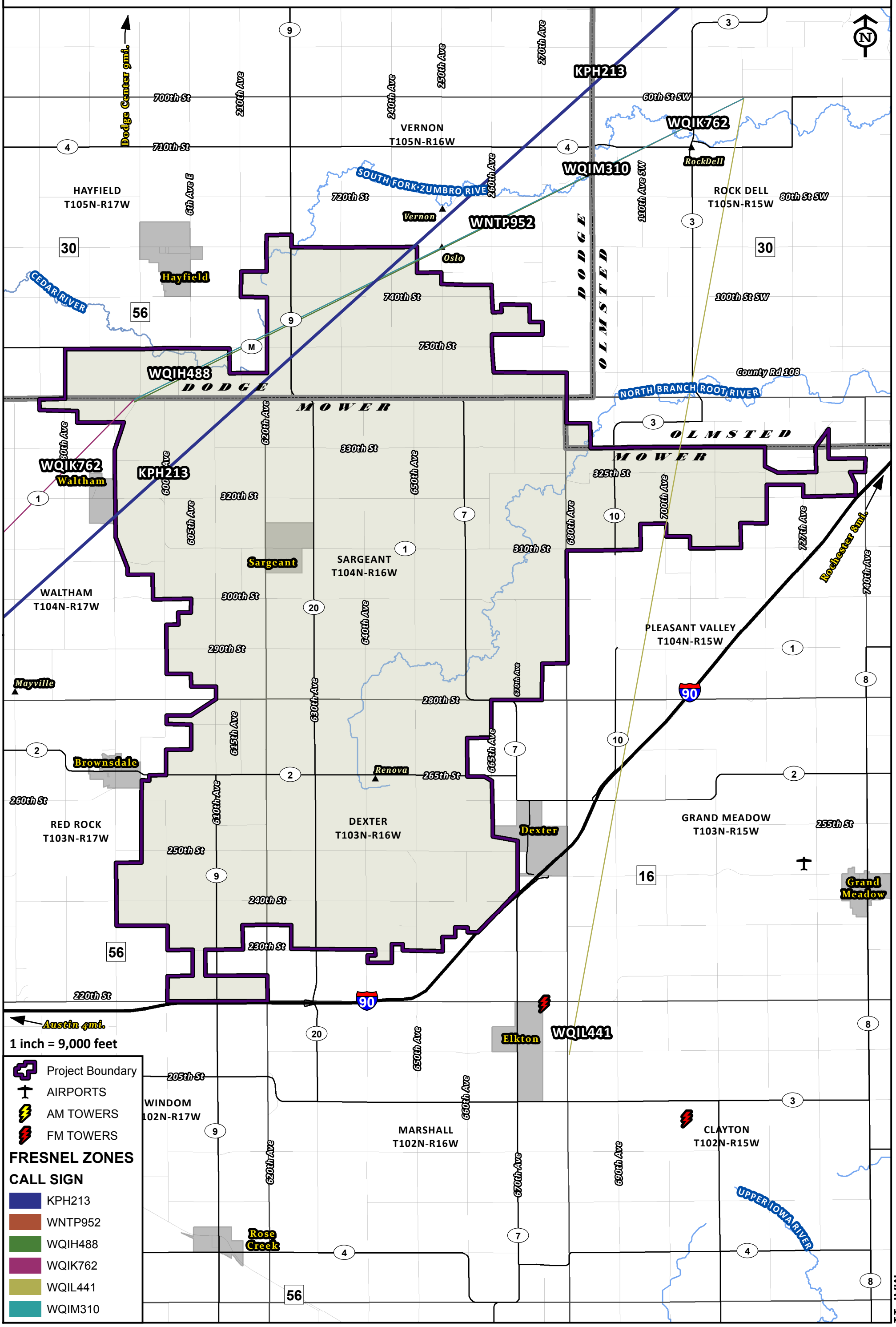MAP 11 - MICROWAVE BEAM PATHS