

APPENDIX I. Physical Parameters of City of Tucson Building Stock

- City Parcel Number
- Addressee – Formal address of the property owner
- Situs_Address – Physical address of the property
- Property City – Tucson
- PrimaryPropType – The type of property classified as one of the following:
 - Agriculture
 - Commercial
 - Industrial
 - Miscellaneous
 - Not Used
 - Residential
 - Vacant Land.
- Improvement_Desc – How the property is used.
 - Dozens of entries: Primary interest: Adult care, hospitals, apartments, church, condos, stores, Elementary #166)-Secondary Schools #198), Library, Mixed Residences, Motel, Shopping Ctr, Post Office, SFR GRADE, Theater (#8)
- Foundation_Desc – Description of the foundation, e.g., concrete, masonry, brick. For the majority of buildings data is not available.
- Construction_Type – Type of masonry used in constructing the building. Only those buildings constructed of masonry are reported here.
 - 8" Painted
 - 8" Stucco
 - Adobe
 - Brick
 - Masonry
 - Slump
 - Stone
- ExteriorWalls_Desc - Variety of masonry and non-masonry materials totaling dozens of types. Most common designation is "Data Not Available". These data were not used in our analysis.
- Story_Count – The number of stories of the individual building. Most story were 1-story buildings.
- SqFt_area – The living area of the building in square feet.
- Construction_Year - The year in which the building was constructed. The most common designation was NULL.
- Effective_Age – Reported for all buildings and frequently reflects the year of construction. The effective age of a building is modified in the event of a modest to major renovations of the building. Effective Age is sometimes calculated with a weighted average if/when additions are built onto an existing structure. Importantly, this new age does not necessarily mean that the building conforms to building standards of that year.

- Class – A measure of quality of construction ranging from 0 to 6; corresponds with Class_Description. A larger value reflects an increase in quality; e.g., 5 equates to building characterized as “Very Good Quality”.
- Class_Description – A measure of the quality of the construction. Categories in increasing order of quality from minimum to excellent.
 - Low Minimum Quality
 - Minimum Quality
 - Below Average Quality
 - Average Quality
 - Good Quality
 - Very Good Quality
 - Excellent
- AppraisalDate – Date of most recent appraisal, ranging from 1972 to 2022.

Appendix II. HAZUS Report of 2012 by Jeri Young (AZGS Earthquake Geologist).