# PHD Review Checklist

- ❑ Check for **layers in the wrong order** (upside down)
- ❑ Check for **missing lanes**
- ❑ **Lane 1** should be a **mainline lane** (right-most through-lane)
- ❑ **Lane numbers less than 1** (0, -1 etc.) should **not be a mainline lane**
- ❑ Look for **under/over segmentation** (check if sub-segments are or are not needed)
- ❑ **Verify** project **PR numbers and milepoints**
- ❑ Look for **information input in the wrong direction**
- ❑ Check for **missing segments**

  *Example: PR for ramp work not included*
- ❑ Check **surface type** for lanes and shoulders; (surface type takes into account the entire paved cross-section)
- ❑ Check the **number of lanes** and **lane type** for each
- ❑ Look for **layers** that have been **repeated that don't need to be**
- ❑ Check that **existing layers have not been entered** (repairs and pre-overlay work are OK)
- ❑ Check **lane** and **shoulder widths**
- ❑ Check **layer thickness**
- ❑ Check **layer attributes**
- ❑ Look for **missing layer attributes** that have information available to be entered

  *Example: HMA binder is missing but is typically readily available*
- ❑ Check for **incorrect layer types**

  *Example: 'Overband Crack Fill Stand Alone' versus 'HMA Crack Treatment'*
- ❑ Check that **all aggregates** from a mix design have all been entered
- ❑ Make sure **mix/aggregate type** makes sense
- ❑ Check that **shoulder/curb and gutter** work was **entered**
- ❑ Check that changes were made when **copying** is used (or possible copy errors)

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