



# Example of Highway Design Engineer Job Description

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Our company is growing rapidly and is hiring for a highway design engineer. Please review the list of responsibilities and qualifications. While this is our ideal list, we will consider candidates that do not necessarily have all of the qualifications, but have sufficient experience and talent.

## Responsibilities for highway design engineer

- Participate in design and development of heavy-duty trucks within the Off-Highway/Medium Duty Group
- Manage Plant Liaison Requests (PLRs) for the group, develop design fixes for plant issues, and facilitate completion of PLRs by the group
- Manage new product, warranty and cost-reduction projects support plant and field issue resolution in the center-frame area of the chassis
- Utilize Pro/E to create optimized part and assembly of complex designs for customer specific requirements and supplier product
- Work with internal and external organizations to select and validate the designs
- The position requires close work with the truck plants and includes design responsibility for frame rails, cross-members and frame-mounted components
- Prepare highway designs to DMRB standards, relevant BS EN's, TSRGD and others
- Participates in site visits, project investigations and project meetings
- Coordinate design development and assist in providing technical direction and mentorship to other engineers
- Coordinate efforts with assigned design team to ensure completeness and accuracy of design effort

## Qualifications for highway design engineer

- Registration as an Engineering in Training or Professional Engineer is required, New Jersey PE registration required within six months of hire date
- Experience with NJDOT procedures and standards preferred
- Experienced user of MicroStation and Inroads and/or GEOPAK is required
- Job related technical knowledge necessary to complete principal job duties and responsibilities, including detailed knowledge of Fluor's software tools and databases
- Ability to set and maintain high standards of performance with responsibility and accountability for successfully completing assignments and tasks