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| --- | --- | --- | --- | --- | --- | --- |
| Category | Weight | 40 – 31 Points | 30 – 21 Points | 20 – 11 Points | 10 – 1 Points | 0 Points |
| Title Page | 3% | Included project title, student’s name, course  number and date | Included only 3 of the 4 required elements | Included only 2 of the 4 required elements | Included only 1 of the 4 required elements | No title page or none of the required elements were included |
| Brief description of the project | 10% | Brief, two-page, objective, technically written; description of the project; including the following topics:  1. Background Information  2. Location of project  3. Need for project  4. Projected outcome | Brief two-page, objective, technically written description including topics 1-4 | Brief one-page, objective, technically written description but not including background and needs discussion. | A non-objective, nontechnical one-page description incorporating topics 1-4. | No project description presented |
| Base map showing the study area in question | 37% | Complete base map showing the following elements:  1. Starting and ending points  2. North Arrow  3. Scale Bar  4. Legend  5. Buildings  6. Floodplains  7. Wetlands  8. Landuse  9. Project Boundary  10. Completed route map  showing the selected route  and the two alternative  routes. | 1. Elements 1-4 plus 4 of the remaining elements.  2. Completed route map showing the selected route and one alternative route. | 1. Elements 1-4 plus 3 of the remaining elements.  2. Completed route map showing the selected  route and no alternative routes. | 1. Elements 1-4 not displayed, but 2 of the remaining elements displayed.  2. Completed map showing all three routes, but no selected route. | 1. No base map presented, or no elements displayed on the base map.  2. Map showing no selected route or alternative routes. |
| Route Evaluation Spreadsheet | 10% | Route statistics have been entered into each route category (9 numeric values total). | Route statistics have been entered for 2 of 3 route categories. | Route statistics have been entered for 1 of 3 route categories. | -- | No route statistics have been entered into the spreadsheet. |
| Conclusions and opinions about the best route identified in the Combined Rank Chart | 40% | Conclusion & opinions based on information gathered from 1) Background data, 2) Base map, 3) Selected route map and 4) Combined Rank Chart. | Conclusions & opinions based on information gathered from 3 of 4 criteria listed in 4 Point Column. | Conclusions & opinions based on information gathered from 2 of 4 criteria listed in 4 Point Column. | Conclusions & opinions based on information gathered from 1 of 4 criteria listed in 4 Point Column. | No conclusions or opinion presented. |

The grade for each category is calculated by multiplying the weight for the category times the number of points awarded for that category to arrive at the weighted score for each category. The final grade is the sum of all category-weighted scores. See the following example.

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| Category | Weight | Points Earned | Weighted Score |
| Title Page | 3% | 40 | 1.2 |
| Project Description | 10% | 20 | 2.0 |
| Base Map | 37% | 30 | 11.1 |
| Route Evaluation Spreadsheet | 10% | 30 | 3.0 |
| Conclusions | 40% | 30 | 12 |
| Total Score | - | - | 27.3 out of 40 = 68% |