

32. SUBCUT, SCARIFY AND RECOMPACT: Through all cut sections the entire cut section to a point six (6) inches behind the back of the new curb, where possible, shall be subcut one foot (1.0') below the proposed subgrade elevations. Then in addition to this, these same sections shall be scarified one foot (1.0') below the bottom of the subcut (for a combined total of 2.0 feet). In sections where the subgrade to six (6) inches behind the back of the new curb cannot be scarified due to footings or other reasons, the Engineer shall determine the extent of the subgrade to be scarified. Any soft spots or areas containing an inferior quality soil (as determined by the Engineer) shall be subcut and replaced with a more suitable soil. The subcut and scarified areas shall be compacted as specified under the Compaction and Density Control note. Subcutting will be measured and paid for as "Embankment". The cost of scarifying and recompacting is to be included in the price bid for "Embankment".
33. EMBANKMENT SOURCE: An embankment source is available, at no cost to the Contractor, at the City of Mandan's landfill located south and west of the Heart River Bridge and North Dakota Highway 1806. The exact limits of this embankment source, the drainage, and the slopes necessary to protect the adjacent properties shall be determined by the Engineer after consulting the Mandan City Engineer. The topsoil stripped from the landfill shall be stockpiled in an area designated by the Engineer. If additional topsoil is required at the project site, and this material is available from the embankment source, the cost of transporting and placing the topsoil on the project shall be measured and paid for as "Embankment". The Contractor on this project will be required to obtain the necessary embankment from the landfill area.
34. The Hot Bituminous Pavement shall be laid in three lifts. The top lift shall not exceed a depth of two inches (2").
35. TOPSOIL: Topsoil shall be removed from the entire construction area, including the landfill, to a depth of six inches (6"). Exceptions to this are where the roadway alignment follows an existing road or as designated by the Engineer.
36. Embankment material that is hauled to the project from the landfill area on city streets or highways shall be truck hauled. The cost of truck hauling shall be included in the price bid for "Embankment".
37. Excavation required for the installation of the culverts at Sta. 17+34 and 25+47 shall be incidental to the price bid for "Foundation Fill".
38. SEEDING: The minimum amount of fertilizer to be used shall be 50 pounds of Nitrogen (N) and 50 pounds of Phosphorus (p205) per acre of seeded area.
- The areas through the trailer court on the west end of the project (approx. Sta. 0+00 to 15+00) shall be seed without mulching and paid for as "Seeding Type E-C1.IV". All other areas shall be seeded and mulched according to Section 726 of the Standard Specifications.
39. The Contractor will not be allowed to work nearer than 100 feet from an occupied residence between the hours of 8: p.m. to 7:30 a.m. in order to control the construction noise impact upon residential property.

FORM NO. 100-1	STATE	FED. AID PROJ. NO.	
8	ND.	M-1-988(02)	5A

40. The following notes pertain to the oxbow area of the Heart River between the existing dikes from approximately Sta. 15+60 to 28+20
41. All construction debris will be disposed of on land in such a manner that it cannot enter into the waterway.
42. Equipment for handling and conveying materials during construction shall be operated to prevent dumping or spilling materials into the water except as approved herein.
43. Care will be taken to prevent any petroleum products, chemicals, or other deleterious materials from entering the water.
44. Only clean, nonpollutional materials will be utilized for fill in order to minimize excessive turbidity by leaching of fines, as well as to preclude the entrance of potentially polluted materials to the water by natural runoff or by leaching.
45. All work in the waterway, including excavation, dredging, or filling, shall be performed in such a manner so as to minimize increases in suspended solids and turbidity which may degrade water quality and damage aquatic life outside the immediate area of operation.
46. The clearing of vegetation will be limited to that which is absolutely necessary for construction of the project.
47. Close coordination shall be maintained by the Contractor with downstream users, advising them of any water quality changes.
48. Deposition of excavated materials on shore and all earthwork operations on shore will be carried out in such a way that sediment runoff and soil erosion to the water are controlled.
49. When the District Engineer has been notified by a fishery agency that a dredging or filling activity is adversely affecting fish or wildlife resources or the harvest thereof and the District Engineer subsequently directs remedial measures, the Contractor will comply with such directions as may be received to suspend or modify the activity to the extent necessary to mitigate or eliminate the adverse effect as required.
50. Construction in this area will not be undertaken during major fish spawning months of march, April and May or during flood periods or periods of high water, insofar as practical. The scheduling of the work shall be coordinated with the North Dakota Game and fish Department to avoid interference with the spawning activities.
51. The use of machinery shall be restricted to areas of actual construction.