

CHAPTER 6 GRADING

6.00	GENERAL GRADING INSTRUCTIONS	6-1
6.01	ROAD CROSSING FOR CONSTRUCTION EQUIPMENT	6-1
6.10	SITE PREPARATION	6-3
6.11	CLEARING AND GRUBBING	6-3
	Indiana Bats	6-3
	Disposal of Waste	6-3
	Area Clearing	6-4
	Selective Clearing	6-4
	Preliminary Estimate for Clearing Right of Way (Form 650014)	6-5
	Method of Payment	6-5
6.12	REMOVAL AND DISPOSAL OF OLD PAVEMENT	6-5
6.13	DISPOSAL OF HOT MIX ASPHALT PAVEMENT	6-6
6.14	DEMOLITION WASTE	6-6
6.20	TOPSOIL	6-7
6.21	STRIPPING, SALVAGING, AND SPREADING	6-7
	Monitoring Topsoil Removal	6-7
	Topsoil on Roadway Cuts and Embankments	6-7
	Cultural Resource Protection	6-7
	Payment for Topsoil	6-7
6.30	EXCAVATION	6-9
	Class 10	6-9
	Class 12	6-10
	Class 13	6-10
	Select Soils	6-10
6.31	PEAT EXCAVATION	6-10
	Total Removal of Peat	6-10
	Partial Removal of Peat	6-10
6.32	ROCK EXCAVATION	6-11
6.33	USE OF AND PAYMENT FOR WATER USED FOR EXCAVATION AND EMBANKMENT	6-11
6.34	ALTERNATE BORROW AREAS AND CONTRACTOR FURNISHED BORROW	6-12
6.35	PRESERVATION OF CULTURAL RESOURCES	6-12

	Alternate Borrow Areas and Contractor Furnished Borrow-----	6-13
6.40	EMBANKMENT -----	6-14
6.41	EMBANKMENT CONSTRUCTION-----	6-14
	Equipment-----	6-14
	Site Preparation -----	6-15
	Deposition of Embankment Material -----	6-15
	Compaction-----	6-15
	Special Compaction of Subgrade -----	6-17
	Subgrade Treatment -----	6-17
	Construction of Embankment Toe Berms-----	6-18
	Construction of Bridge Approach Fills -----	6-18
	Embankment in Place-----	6-18
	Payment for Water for Embankment Construction -----	6-18
	Finishing-----	6-18
6.42	OVERHAUL -----	6-19
6.43	SETTLEMENT PLATES-----	6-19
	Guidelines for Installation and Monitoring of Settlement Plates-----	6-20
6.50	PIPE CULVERTS BY THE GRADING CONTRACTOR -----	6-21
6.51	MATERIAL -----	6-21
6.52	PIPE INSTALLATION-----	6-21
	Excavation -----	6-21
	Bedding -----	6-21
	Joints -----	6-21
	Backfilling-----	6-22
6.53	CULVERT ABANDONMENT-----	6-22
6.54	LOAD LIMITS OVER CULVERTS -----	6-23
6.60	SUBDRAINS -----	6-25
6.61	TILE RELOCATION -----	6-25
6.62	BACKSLOPE DRAINS-----	6-25
6.63	LONGITUDINAL DRAINS-----	6-25