

PLANNING DRAINAGE DESIGN ELEMENTS	A-63
REPLACEMENT OR REHABILITATION OF DRAINAGE ELEMENTS	A-63
HYDRAULIC CHARACTERISTICS	A-64
SAFETY IMPROVEMENTS RELATIVE TO DRAINAGE DESIGN	A-65
BRIDGE RESTORATION	A-65
BRIDGE REHABILITATION.....	A-65
CULVERT REPLACEMENT	A-66
CULVERT REHABILITATION.....	A-66
CULVERT EXTENSIONS	A-67
SIGNING, SIGNALS AND PAVEMENT MARKINGS	A-67
PLAN REVIEWS	A-67
PUBLIC INVOLVEMENT	A-68
RIGHT OF WAY.....	A-68
UTILITIES (UNDERGROUND AND OVERHEAD).....	A-68
TORT LIABILITY AND GEOMETRIC DESIGN.....	A-68
BACKGROUND ON TORT LIABILITY.....	A-69
RRR IMPROVEMENTS AND TORT CLAIMS.....	A-69
SUSCEPTIBILITY OF RRR PROJECTS AND STANDARDS TO TORT CLAIMS....	A-69
DEFENSE OF A RRR PROJECT DESIGN	A-70
RRR NOTES ON PROJECT TITLE SHEET	A-71
PREVENTIVE MAINTENANCE (PM) PROJECTS / RRR PROJECTS UTILIZING FEDERAL FUNDING ON NATIONAL HIGHWAY SYSTEM (NHS) ROADWAYS	A-71

SECTION A-5-BICYCLE AND PEDESTRIAN FACILITY GUIDELINES

VDOT POLICY TO IMPROVE BICYCLE AND PEDESTRIAN ACCESS	A-76
BICYCLE ACCESS FACILITIES.....	A-78
EXISTING ROADS	A-79
MAJOR DEVELOPMENTS AND SITE PLANS.....	A-79
SELECTING ROADWAY DES. TREATMENTS TO ACCOMMODATE BICYCLES ..	A-80
VDOT/AASHTO DESIGN GUIDELINES	A-88
SHARED ROADWAYS	A-89
SIGNED SHARED ROADWAYS	A-91
BIKE LANES	A-91
SHARED USE PATHS.....	A-94
AASHTO APPROVED INTERSTATE BICYCLE ROUTES	A-107
RESOURCES	A-107
TRAILS AND TRAILHEADS	A-109
RAILS – WITH – TRAILS.....	A-112
CURB RAMP POLICY	A-114
GOALS AND OBJECTIVES.....	A-115
TECHNICALLY INFEASIBLE	A-115
ACCESSIBLE ROUTE	A-115
PEDESTRIAN ACCESS ROUTE.....	A-116
NEW CONSTRUCTION.....	A-116
ALTERATIONS	A-117
PROCEDURE FOR DETERMINING THE LOC. AND DES. OF CURB RAMPS	A-117
GUIDELINES FOR CURB RAMP LOCATIONS.....	A-118
GUIDELINES FOR ALTERATIONS	A-119
ALTERATION (RETROFIT) CG-12 INTO EXISTING CURB AND GUTTER AND/OR SIDEWALK LOCATIONS.....	A-120
MISCELLANEOUS NOTES	A-121