	WINGS PARALLEL TO ROADWAY			WINGS PARALLEL TO ABUTMENT
	STANDARD WING	WITH STRUCTURAL APPROACH SLAB	WITH RAILING OR FENCE ONLY	STANDARD WING
STANDARD FILL	TYPICAL FILL SECTION AT WING TIPS	TYPICAL FILL SECTION AT WING TIPS	TYPICAL FILL SECTION AT WING TIPS	TYPICAL FILL SECTION AT WING
RIP RAP	TYPICAL FILL SECTION AT WING TIPS	TYPICAL FILL SECTION AT WING TIPS	TYPICAL FILL SECTION AT WING TIPS	TYPICAL FILL SECTION AT WING
STANDARD FILL WITH SIDEWALK	TYPICAL FILL SECTION AT WING TIPS	TYPICAL FILL SECTION AT WING TIPS	TYPICAL FILL SECTION AT WING TIPS	

Row: STANDARD FILL — STANDARD WING
PARAPET
PLACE FILL EVEN WITH TOP OF WING, 2 FEET FROM WING TIP. TRANSITION FILL TO TOP OF CURB, IF PRESENT.
2'-0"
2.5 MIN / 1
TOP OF WING
WING WALL
END OF ABUTMENT WING

Row: STANDARD FILL — WITH STRUCTURAL APPROACH SLAB
PARAPET
PLACE FILL EVEN WITH TOP OF WING, 2 FEET FROM WING TIP. TRANSITION FILL TO TOP OF CURB, IF PRESENT.
2'-0"
2.5 MIN / 1
TOP OF STRUCTURAL APPROACH SLAB
STRUCTURAL APPROACH SLAB
WING WALL
BASE AGGREGATE DENSE 1¼" OR FOOTING
END OF ABUTMENT WING

Row: STANDARD FILL — WITH RAILING OR FENCE ONLY
RAILING OR FENCE
PLACE FILL EVEN WITH TOP OF WING, 2 FEET FROM WING TIP.
2'-0"
2.5 MIN / 1
TOP OF WING
WING WALL
END OF ABUTMENT WING

Row: STANDARD FILL — WINGS PARALLEL TO ABUTMENT STANDARD WING
NOTE: PLACE FILL AS SHOWN IN WING ELEVATION DETAIL
TOP OF WING
2'-6"
2.0 MIN / 1
WING WALL
ABUTMENT WING

Row: RIP RAP — STANDARD WING
PARAPET
PLACE HEAVY RIPRAP EVEN WITH TOP OF WING, 2 FEET FROM WING TIP.
HEAVY RIPRAP
2'-0"
2.5 MIN / 1
2'-0"
TOP OF WING
WING WALL
END OF ABUTMENT WING
GEOTEXTILE, TYPE HR (TYP.)

Row: RIP RAP — WITH STRUCTURAL APPROACH SLAB
PARAPET
PLACE HEAVY RIPRAP EVEN WITH TOP OF WING, 2 FEET FROM WING TIP.
HEAVY RIPRAP
2'-0"
2.5 MIN / 1
2'-0"
TOP OF STRUCTURAL APPROACH SLAB
STRUCTURAL APPROACH SLAB
WING WALL
BASE AGGREGATE DENSE 1¼" OR FOOTING
END OF ABUTMENT WING
GEOTEXTILE, TYPE HR (TYP.)

Row: RIP RAP — WITH RAILING OR FENCE ONLY
RAILING OR FENCE
PLACE HEAVY RIPRAP EVEN WITH TOP OF WING, 2 FEET FROM WING TIP.
HEAVY RIPRAP
2'-0"
2.5 MIN / 1
2'-0"
TOP OF WING
WING WALL
END OF ABUTMENT WING
GEOTEXTILE, TYPE HR (TYP.)

Row: RIP RAP — WINGS PARALLEL TO ABUTMENT STANDARD WING
NOTE: PLACE HEAVY RIPRAP AS SHOWN IN WING ELEVATION DETAIL
TOP OF WING
HEAVY RIPRAP
2'-6"
1.5 MIN / 1
2'-0"
WING WALL
ABUTMENT WING
GEOTEXTILE, TYPE HR (TYP.)

Row: STANDARD FILL WITH SIDEWALK — STANDARD WING
PLACE FILL EVEN WITH TOP OF SIDEWALK, 2 FEET FROM WING TIP.
PARAPET
2'-0"
2.5 MIN / 1
TOP OF SIDEWALK/ TOP OF WING
WING WALL
END OF ABUTMENT WING

Row: STANDARD FILL WITH SIDEWALK — WITH STRUCTURAL APPROACH SLAB
PLACE FILL EVEN WITH TOP OF WING, 2 FEET FROM WING TIP. TRANSITION FILL TO TOP OF SIDEWALK.
PARAPET
2'-0"
2.5 MIN / 1
TOP OF SIDEWALK
SIDEWALK
WING WALL
STRUCTURAL APPROACH SLAB
END OF ABUTMENT WING

Row: STANDARD FILL WITH SIDEWALK — WITH RAILING OR FENCE ONLY
RAILING OR FENCE
PLACE FILL EVEN WITH TOP OF SIDEWALK, 2 FEET FROM WING TIP.
2'-0"
2.5 MIN / 1
TOP OF SIDEWALK/ TOP OF WING
WING WALL
END OF ABUTMENT WING

WING FILL SECTIONS AT WING TIPS

BUREAU OF STRUCTURES

APPROVED: *Laura Shadewald*

DATE: 1-18

STANDARD 9.03