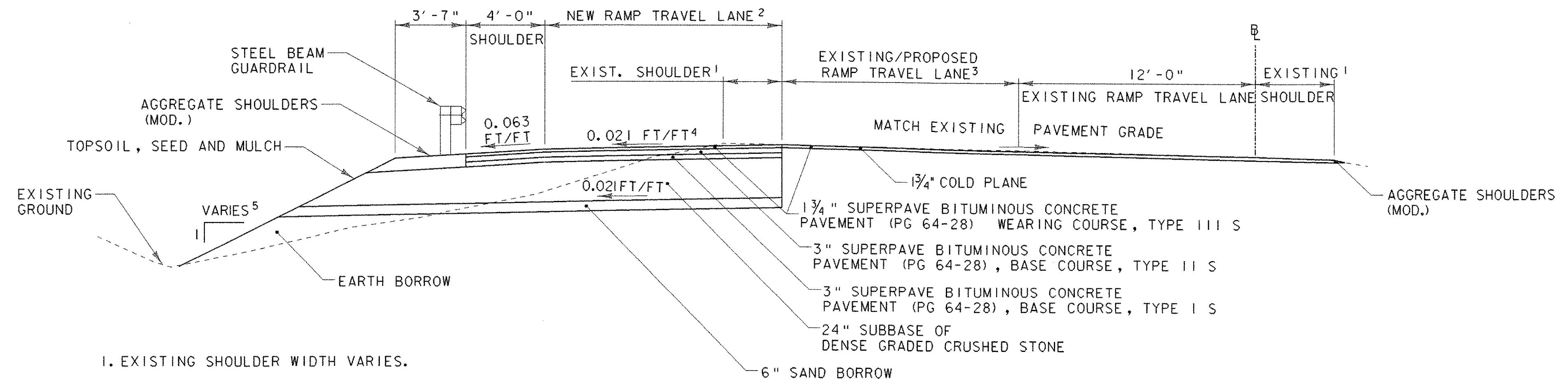


- EXISTING SHOULDER AND PROPOSED DITCH WIDTHS VARY. SEE CROSS SECTIONS FOR DETAILS.
- DECELERATION LANE WIDTH VARIES FROM 0'-0" AT STATION 3+00.00 TO 12'-0" AT STATION 5+50.00.
- SHOULDER VARIES FROM 2'-0" ON THE MAINLINE TO 4'-0" ON THE RAMP. SEE CROSS SECTIONS FOR DETAILS.
- EXCAVATE EXISTING SHOULDER 7 3/4". EXCAVATION TO BE PAID FOR UNDER ITEM 203.15, "COMMON EXCAVATION".

DECELERATION LANE TYPICAL SECTION

STA. 3+00.00 TO STA. 11+64.61
SCALE 1/4" = 1'-0"
1 0 2 4 6



- EXISTING SHOULDER WIDTH VARIES.
- NEW RAMP TRAVEL LANE WIDTH VARIES FROM 0'-0" AT STATION 14+33.09 TO 12'-0" AT STATION 15+56.19.
- EXISTING RAMP TRAVEL LANE VARIES. PROPOSED RAMP TRAVEL LANE VARIES. SEE PLAN SHEETS AND CROSS SECTIONS FOR DETAILS.
- SLOPE OF NEW RAMP TRAVEL LANE VARIES IN THE GORE AREA. SEE CROSS SECTIONS FOR SLOPES AT THIS AREA.
- SLOPE VARIES. SEE CROSS SECTIONS FOR SLOPES.

RAMP WIDENING TYPICAL SECTION

STA. 11+64.61 TO STA. 21+42.59
SCALE 1/4" = 1'-0"
1 0 2 4 6

MATERIAL ITEM	TOLERANCE
PAVEMENT	± 1/4" TOTAL THICKNESS
AGGREGATE SURFACE COURSE	± 1/2"
BASE COURSE	± 1/2"
SUBBASE	± 1"
SAND BORROW	± 1"
GRANULAR BORROW	± 1"

NOTES:

- THE CONTRACTOR SHALL SAW CUT THE PAVEMENT AT THE EDGE OF THE 1-89 SB SHOULDER PRIOR TO EXCAVATING. THE COST OF SAW CUTTING SHALL BE INCIDENTAL TO ITEM 203.15, "COMMON EXCAVATION".
- COLD PLANING SHALL BE COMPLETED ACCORDING TO TYPICAL OR AS DENOTED OTHERWISE ON THE PLANS. A FULL DEPTH BUTT JOINT SHALL BE CONSTRUCTED AT THE PROJECT END AND AT ALL RAMP APPROACHES AS SHOWN ON THE PROJECT PLANS OR AS OTHERWISE DIRECTED BY THE RESIDENT ENGINEER.
- PAVEMENT WIDENING SHALL BE CONSTRUCTED USING ONE 3" LIFT OF TYPE 1 S BASE COURSE, ONE 3" LIFT OF TYPE 11 S BASE COURSE AND ONE 1 3/4" LIFT OF TYPE 111 S WEARING COURSE. THE SECOND BASE COURSE SHALL BE PLACED TO MATCH THE ELEVATION OF THE ADJOINING SURFACE OF THE 1-89 SB TRAVEL LANE.
- SUPERPAVE BITUMINOUS CONCRETE PAVEMENT TOLERANCE = 1/4" +/- (TOTAL THICKNESS).
- EMULSIFIED ASPHALT SHALL BE APPLIED ON ALL EXISTING PAVEMENT SURFACES AND BETWEEN ALL COURSES OF PAVEMENT AT THE RATE OF 0.015 GAL/SY OR AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL EXCAVATION ASSOCIATED WITH THE PAVEMENT WIDENING, INCLUDING REMOVAL OF EXISTING SHOULDER PAVEMENT, SHALL BE PAID FOR UNDER ITEM 203.15, "COMMON EXCAVATION".
- ALL EDGES OF PAVEMENT SHALL BE BACKED UP FULL HEIGHT WITH COLD PLANE GRINDINGS AS DIRECTED BY THE RESIDENT ENGINEER AND WILL BE PAID FOR UNDER ITEM 402.12, "AGGREGATE SHOULDERS (MOD.)".
- REFER TO STD. B-5 FOR CONSTRUCTING AN EMBANKMENT ON AN EARTH SLOPE.
- AN ESTIMATE FOR "FINE GRADING - SUBGRADE", ITEM 203.40, HAS BEEN INCLUDED IN THE QUANTITIES FOR WORK IN THE AREA OF WIDENING.

SEEDING FORMULA RURAL AREAS

% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	98	90
15.0	9.0	BIRDSFOOT TREFOLI	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

GENERAL NOTES

- SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- SEED: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.
- FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).
- AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
- HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
- TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.
- SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B - 5.
- PAY LIMITS OF SAND BORROW: WHEN USED IN CONJUNCTION WITH UNDERDRAIN - SEE STANDARD SHEET D - 2.

PROJECT NAME: 1-89 EXIT 12 SB OFF RAMP
PROJECT NUMBER: IM 089-2(35)

FILE NAME: I8800F4TY01.dgn PLOT DATE: 17-MAY-2005
PROJECT LEADER: EPD DRAWN BY: JDA / PGJ
DESIGNED BY: JDA CHECKED BY: EPD
TYPICAL SECTION SHEET SHEET 47 OF 76