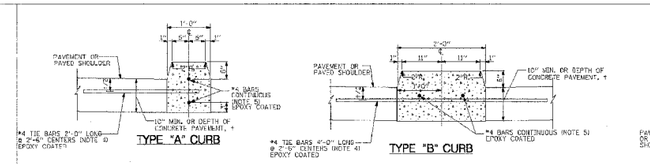
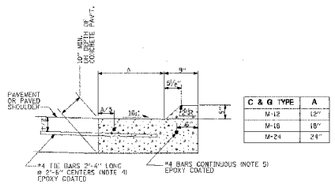
CONTRACT NO. 64594

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
303	129K	WINNEBAGO	585	264
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



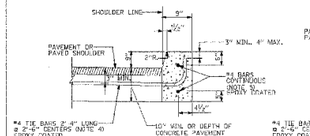
TYPE "A" CURB

TYPE "B" CURB

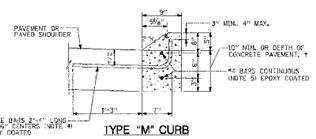


C & G TYPE	A
M-12	12"
M-18	18"
M-24	24"

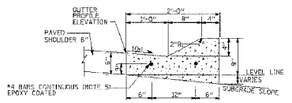
TYPE "M" CURB AND GUTTER



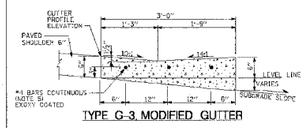
TYPE "C" CURB



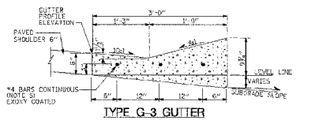
TYPE "M" CURB



TYPE G-2 GUTTER



TYPE G-3 MODIFIED GUTTER

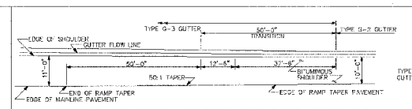


TYPE G-3 GUTTER

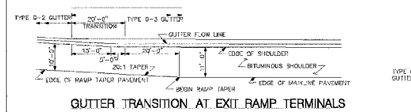
NOTES:

1. THE LOCATION OF THE CURB OR CURB AND GUTTER SHALL BE AS SHOWN ON THE PLANS.
2. CLASS SP CONCRETE SHALL BE USED THROUGHOUT.
3. THE MATERIALS AND CONSTRUCTION OF CURBS OR CURBS AND GUTTERS SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTION 606 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS.
4. CURBS OR CURB AND GUTTERS CONSTRUCTED ADJACENT TO PROPOSED P.C.C. PAVEMENTS OR P.C.C. SHOULDERS SHALL HAVE #4 TIE BARS AS SPECIFIED. CURB AND GUTTERS CONSTRUCTED ADJACENT TO AN EXISTING P.C.C. PAVEMENT OR P.C.C. SHOULDER SHALL HAVE #4 TIE BARS DRILLED AND GROUTED INTO THE EXISTING CONCRETE WITH AN APPROVED EPOXY GROUT. CURB AND GUTTERS CONSTRUCTED ADJACENT TO AN EXISTING P.C.C. SHOULDERS SHALL BE PROVIDED WITH TIE BARS IF SPECIFIED AND DETAILED IN THE PLANS.
5. WHEN CURBS OR CURB AND GUTTERS ARE CONSTRUCTED ADJACENT TO EXISTING OR PROPOSED P.C.C. PAVEMENT, P.C.C. BASE COURSE OR P.C.C. SHOULDERS, CONTRACTION JOINTS AND EXPANSION JOINTS SHALL BE CONSTRUCTED IN THE CURBS OR CURB AND GUTTERS IN ALIGNMENT WITH THE JOINTS IN ADJACENT PAVEMENT OR SHOULDER. EXPANSION JOINTS SHALL BE AS SPECIFIED AND DETAILED IN THE PLANS. REINFORCING BARS SHALL BE DISCONTINUED AT EXPANSION JOINTS.
6. CONSTRUCTION JOINT SHALL BE PROVIDED WITH #4 DEFORMED STEEL TIE BARS 3'-6" LONG. THE BARS SHALL BE PLACED ON 9'-0 CENTERS (MINIMUM 2 PER JOINT).
7. FOR CURB TRANSITIONS, THE CURB PORTION OF LEADING ENDS OF CURBS OR CURBS AND GUTTERS IN THE DIRECTION OF TRAFFIC SHALL BEGIN FLUSH WITH ADJACENT PAVEMENT OR SHOULDER SURFACE AND TRANSITION TO FULL HEIGHT AT THE RATE OF ONE INCH VERTICAL TO ONE FOOT HORIZONTAL. CURB HEIGHT AND SHAPE TRANSITIONS FROM ONE ABUTTING TYPE TO ANOTHER SHALL BE 3 FT. MIN. OF LENGTH.
8. THE UNIT PRICE PER LINEAL FOOT FOR CURBS, CURB AND GUTTERS OR GUTTERS SHALL INCLUDE CLASS SP CONCRETE, STEEL REINFORCEMENT, TIE BARS, ALL EXCAVATION, DISPOSAL OF SURPLUS MATERIALS AND FORMING THE CURB AT CONCRETE FLUMES AND TRANSITIONS.
9. FOR G-2 AND G-3 TRANSITION DETAILS SEE SD XX-4A.
10. G-3 GUTTER SHALL NOT BE CONSTRUCTED ALONG UNDISTURBED FILL SLOPES STEEPER THAN 6:1.
11. T=THICKNESS

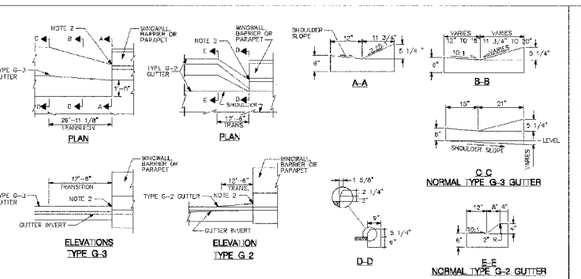
APPROVED	DATE	CTE ENGINEERS	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY	REVISIONS NO.	DATE	DESCRIPTION	STANDARD SD 04-4A	DRAWING NO.
Jeff Daly CHIEF ENGINEER	10-12-2004	CONSOR TOWNSEND ENVIROTECH ENGINEERS, INC.	2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515				CURB, CURB AND GUTTER AND GUTTER DETAILS	81 OF



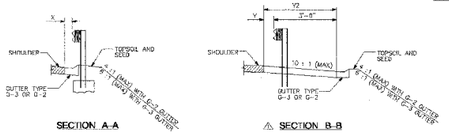
GUTTER TRANSITION AT ENTRANCE RAMP TERMINALS



GUTTER TRANSITION AT EXIT RAMP TERMINALS



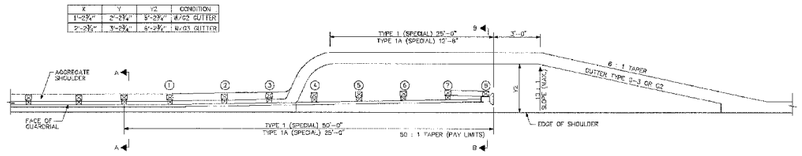
GUTTER TRANSITIONS AT BRIDGE DEPARTURES



GUTTER TRANSITION NOTES:

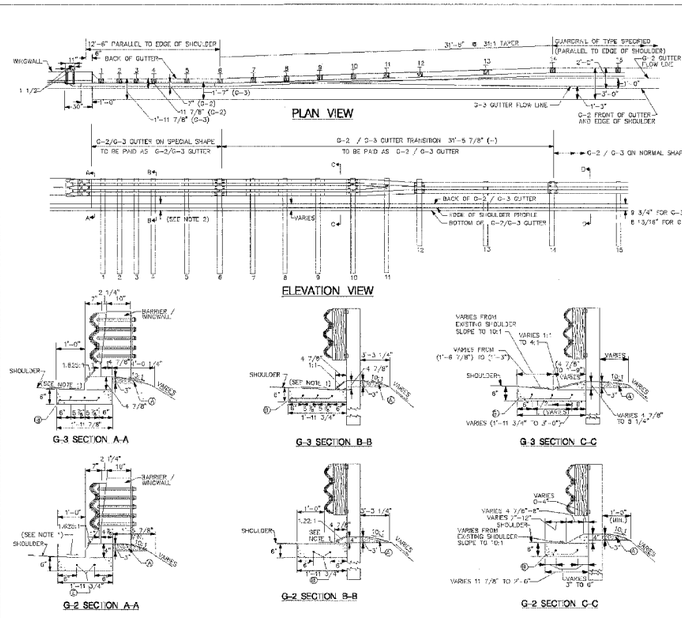
1. TRANSITIONS SHALL BE PAID FOR PER LINEAR FOOT FOR CONCRETE GUTTER, TYPE G-2
2. PROVIDE 1" EXPANSION JOINT WITH PREFORMED JOINT FILLER BETWEEN TRANSITION SECTION AND MINIMALL.
3. SEE STANDARD DRAWING SD XX-4C FOR G-3 GUTTER TRANSITION AT BRIDGE APPROACH.
4. REFER TO THE SCHEDULE OF QUANTITIES FOR LOCATIONS OF TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL), SPECIAL PLACEMENT.

X	Y	Y2	CONDITION
1'-03"	2'-03"	5'-03"	G-2 GUTTER
2'-03"	3'-03"	6'-03"	G-3 GUTTER



GUTTER TRANSITION AT TANGENT TRAFFIC BARRIER TERMINAL, TYPE 1 & 1A (SPECIAL)

APPROVED	DATE	CTE ENGINEERS	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY	REVISIONS NO.	DATE	DESCRIPTION	STANDARD SD 04-4B	DRAWING NO.
Jeff Daly CHIEF ENGINEER	8-22-2004	CONSOR TOWNSEND ENVIROTECH ENGINEERS, INC.	2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515	1	5/14/04	REVISED SECTION B-B AND TABLE	TYPE G-2 AND G-3 GUTTER TRANSITIONS	82 OF



GUTTER TRANSITION NOTES

1. SLOPE TO MATCH ADJACENT SHOULDER SLOPE (TYPICALLY 4%)
2. THE TYPE G-2/G-3 GUTTER ON SPECIAL SHAPE AND TRANSITION SHALL BE PAID FOR PER LINEAL FOOT FOR CONCRETE GUTTER TYPE G-2/G-3.
3. PROVIDE 1" EXPANSION JOINT WITH PREFORMED JOINT FILLER BETWEEN TRANSITION SECTION AND WINGWALL OR BARRIER WALL.
4. INSTALLATION ON CURVED WINGWALLS SIMILAR.
5. FOR DETAILS OF ANCHOR INSTALLATION TYPE 2 SEE STANDARD SD XX-12B.
6. GUTTER TRANSITIONS SHALL BE CONSTRUCTED TO FIT THE STANDARD LOCATION OF THE ANCHOR INSTALLATION TYPE 2.
7. DRILL BEAM WALL SPIKES OR BOLTED TO ISSOCK AT ALL POSTS.

LEGEND

(A) AGGREGATE SHOULDER, SPECIAL
(B) #4 EPOXY COATED REBAR

APPROVED	DATE	CTE ENGINEERS	THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY	REVISIONS NO.	DATE	DESCRIPTION	STANDARD SD 04-4C	DRAWING NO.
Jeff Daly CHIEF ENGINEER	8-22-2004	CONSOR TOWNSEND ENVIROTECH ENGINEERS, INC.	2700 OGDEN AVENUE DOWNERS GROVE, ILLINOIS 60515				TYPE G-2/G-3 GUTTER TRANSITION AT ANCHOR INSTALLATION TYPE 2	83 OF

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ISTHA STANDARDS

SCALE: VERT. N/A
HORIZ. N/A
DATE SEPTEMBER 14, 2005

DRAWN BY KRL
CHECKED BY PDS