

T.0322

FEDERAL ROAD DISTRICT	DIVISION	COMB. PROJ. NO.	SHEET NO.	DATE
9	100TH	C 01-0002-23 B C 11-0121-30	1	

COLORADO DEPARTMENT OF HIGHWAYS

PLAN AND PROFILE OF PROPOSED COMB. STATE PROJ. NO. C 01-0002-23 & C 11-0121-30 STATE HIGHWAY NO. 2 & 121 DENVER & JEFFERSON COUNTIES

INDEX OF SHEETS
SHEET NO.
C 01-0002-23 C 11-0121-30

- | | | |
|---|---|--|
| 1 | 1 | Sketch Map; Title Page |
| 2 | 2 | Summary of Approximate Quantities |
| 3 | 3 | General Notes; Surfacing & Subbase Material Plans |
| 4 | 4 | Alignment Plan; Tabulation of Concrete Curb & Gutter; Details of Transitions & Typical Sections; Earthwork Quantities |
| 5 | 5 | Alignment Plan & Profile; Tabulation of Concrete Curb & Gutter; Structure Requirements; Typical Sections; Earthwork Quantities |

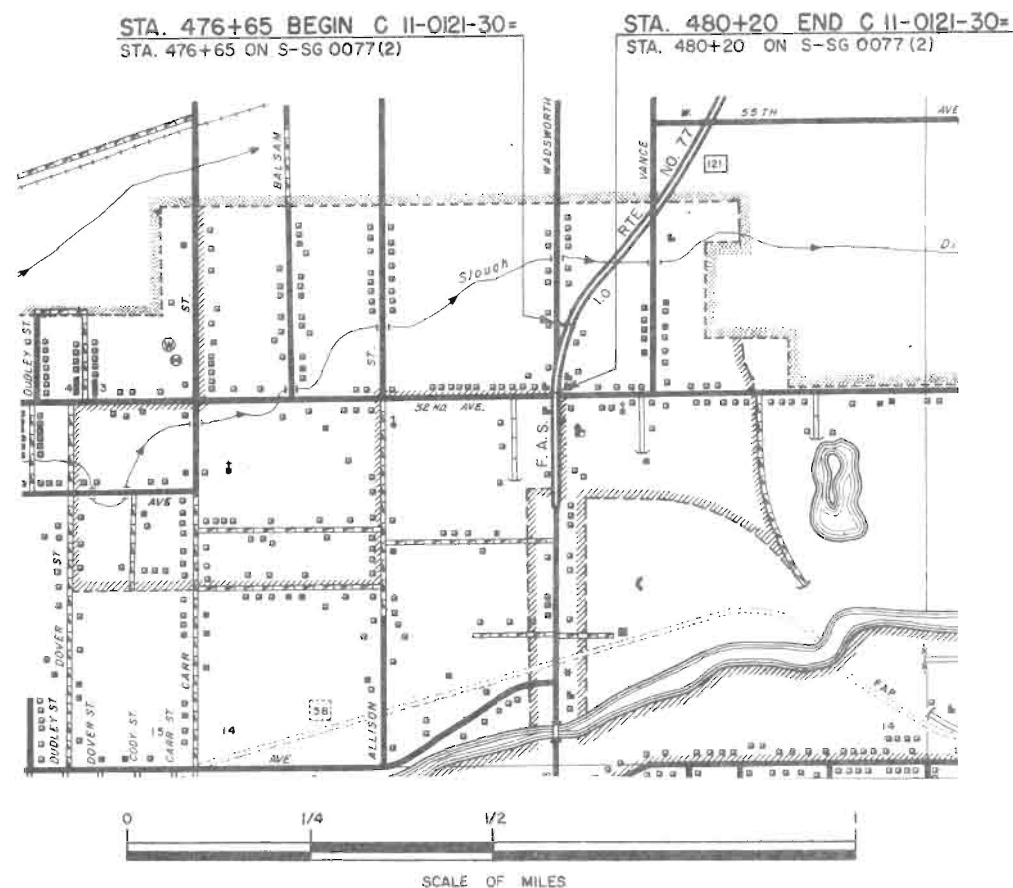
Construction Traffic Signs (2 Sheets) Jan. 14, 1963 M-6-B
Backfill Around Structures May 1, 1962 M-16-A
Curbs & Gutters (Rev. for this project only) April 5, 1963 M-84-A

SCALES OF ORIGINAL DRAWINGS

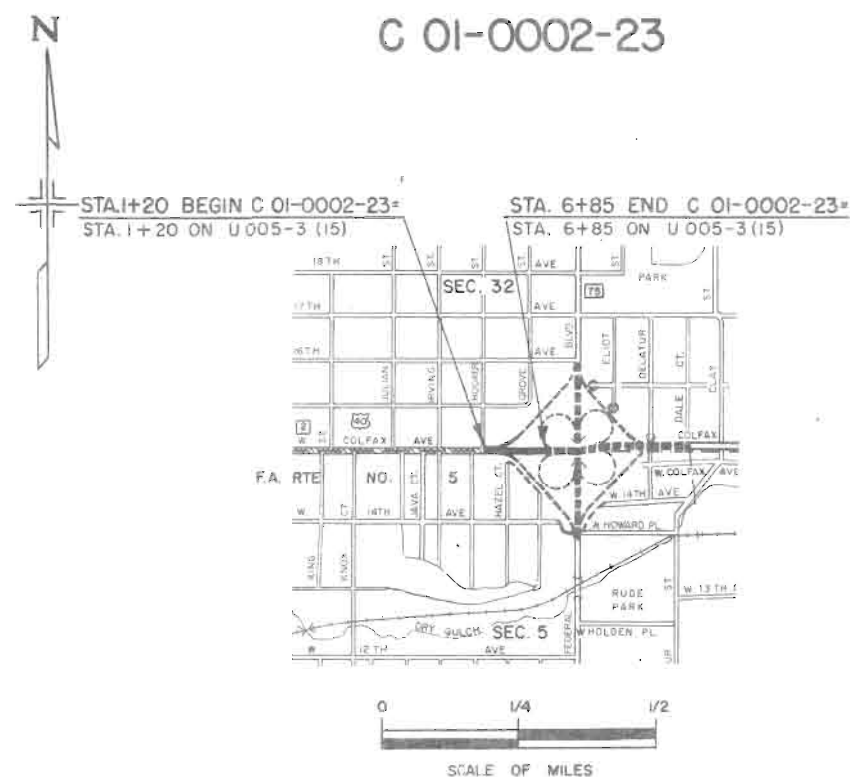
ON PLAN	1 IN	100 FT
ON PROFILE	1 IN	100 FT HORIZONTAL
	1 IN	10 FT VERTICAL
GRADE LINE ON PROFILE IS SHOWN AS GRADE OF FINISHED ROAD		
NET & GROSS LENGTH	LN. FT.	C 01-0002-23 C 11-0121-30
	MI.	565.0 355.0
		0.107 0.067

INACTIVE

C 11-0121-30



C 01-0002-23



SEE SPECIAL PROVISIONS FOR NOTICE TO BIDDERS

COLORADO DEPARTMENT OF HIGHWAYS	
APPROVED	4-23-63
DATE	

W.E.M.

GENERAL NOTES

This Project is to be constructed in conformity with the Standard Specifications of the Colorado Department of Highways, adopted January 1, 1958.

All quantities on preliminary plans are to be considered approximate only.

For preliminary plan quantities of Asphaltic Road Materials the following Rates were used:

Prime Coat - MC @ 0.4 Gals. per sq. yd.
Plant Mixed Asphaltic Pavement @ 110 Lbs. per sq. yd. per inch

Rate of application and grade of Asphaltic Material shall be as determined by the Engineer at time of application.

Thickness of Subbase, Surfacing and Asphaltic Pavement Materials, as shown on plans, is approximate only. These materials are to be placed to fit existing construction.

During construction of this project, traffic will be required to use the present traveled roadway and/or portions of new construction.

Application methods for liquid asphaltic material, which result in the discoloration of concrete pavement, curb or gutters, will not be permitted.

When ordered by the Engineer, a tack coat is to be applied between asphaltic courses to improve bond. Tack coat will be placed at the approximate rate of 0.10 gallon per square yard if required.

Guard Posts encroaching on Construction will be removed by State Maintenance Forces.

FEDERAL ROAD DISTRICT	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9 COLORADO	COI-0002-23 CII-0121-30	3	

SURFACING PLAN

STATION	SOURCE AND AVAILABLE	QUANTITY					
		TONS		Base Course			
		Plant Mixed Top Course	Asphaltic Bottom Course				
1+20 to 3+15 LI	Undesignated	24	31	86			
2+90 - 6+75 LI		33	44	120			
1+36 - 2+26 RI		3	5	12			
Backfill Median (2" Thick)				92			
COI-0002-23 TOTALS		60	80	310			
476+65 to 476+90		1	1	1			
476+90 - 480+10		40	40	96			
478+40 - 480+20		7	7	17			
Backfill Medians (2" Thick)				9			
CII-0121-30 TOTALS		48	48	123			
Combined Totals		108	128	433			

SUBBASE MATERIAL PLAN

STATION			SOURCE AND AVAILABLE	THICKNESS Inches	QUANTITY TONS			
					Class 1			
1+20	to	3+15	Undesignated	12	171			
2+90	-	6+75		12	239			
1+36	-	2+26		12	24			
Estimated For: Correcting Irregularities					43			
COI-0002-23 TOTALS					477			
476+65	to	478+90		15	3			
476+90	-	480+10		15	359			
478+40	-	480+20		15	63			
Estimated For: Correcting Irregularities					43			
CII-0121-30 TOTALS					468			
Combined Totals					945			

FEDERAL ROAD DISTRICT NO.	DIVISION	PROJ. NO.	SHEET NO.	TOTAL SHEETS
5	COLORADO	C 01-0002-23	4	

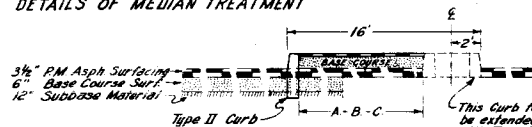
PLAN

TABULATION OF CONCRETE CURB AND GUTTER

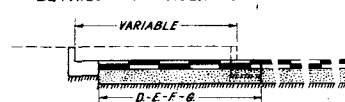
NOTE NO.	STATION	SIDE	# REMOVE LIN. FT.			# BUILD LIN. FT.		
			Curb & Gutter	Gutter	Curb	Curb & Gutter Type II	Barrier Curb Type I	Barrier Curb Type II
1.	1+20 to 2+60	LT.	140	70	50			
2.	2+60 to 3+25	LT.						
3.	2+90 to 3+45	LT.						
4.	2+90 to 6+75	LT.	390					
5.	1+36 to 2+26	RT.	90		20			
6.	5+40 to 5+60	LT.						
7.	2+80 to 2+90	RT.		10		210		
8.	1+20 to 3+25	LT.				340		
9.	3+35 to 6+75	LT.						
10.	1+20 to 5+60	LT.						440
11.	1+35 to 2+90	RT.				115	155	
12.	1+35 to 2+50	RT.						
TOTALS			#620	#80	#70	665	155	440

*Quantities are approximate only and shall be paid for under Item 11, Removal of Obstructions.

DETAILS OF MEDIAN TREATMENT



DETAILS OF WIDENING

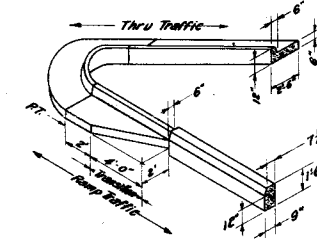


- A = Plant Mixed Asphaltic Surfacing (1" Thick) 0.055 Tons per Sq. Yd.
- B = Seal Coat R.C. 0.30 Gal. per Sq. Yd.
- C = Slope Screenings (Type I) 22 Lbs. per Sq. Yd.
- * D = Plant Mixed Asphaltic Surfacing (Two Courses) 0.195 Tons per Sq. Yd.
- E = Prime Coat M.C. 0.40 Gal. per Sq. Yd.
- F = Base Course (6" thick) 0.30 Tons per Sq. Yd.
- G = Subbase Material (12" thick) 0.60 Tons per Sq. Yd.

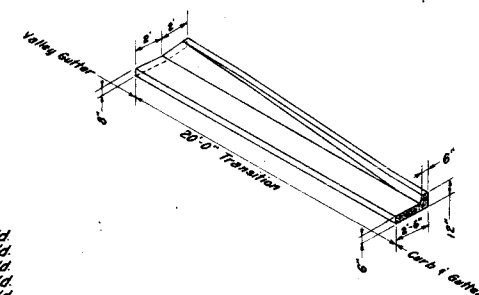
- * 1 1/2" Top Course 0.084 Tons per Sq. Yd.
- 2" Bottom Course 0.111 Tons per Sq. Yd.

DETAILS OF TRANSITIONS

(a) FROM CURB & GUTTER (TYPE II) TO BARRIER CURB



(b) FROM VALLEY GUTTER TO CURB & GUTTER (TYPE II)

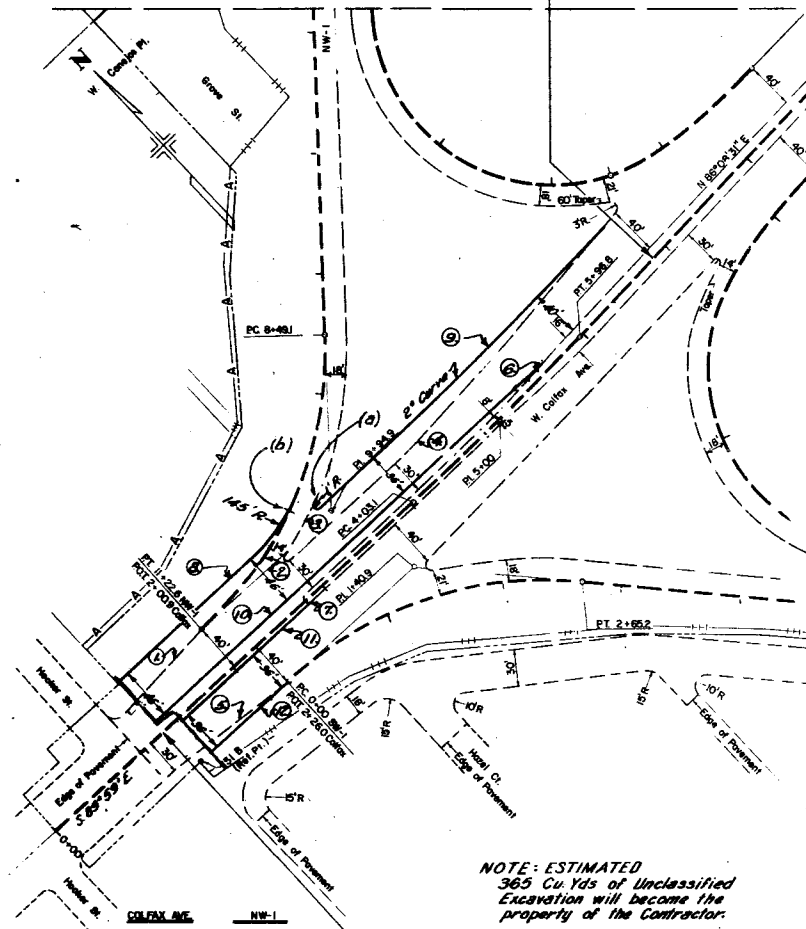


STA. 6+85 END C 01-0002-23
STA. 6+85 ON U 005-3 (15)

NOTE: ESTIMATED
365 Cu. Yds. of Unclassified
Excavation will become the
property of the Contractor.

STA. 1+20 BEGIN C 01-0002-23
STA. 1+20 ON U 005-3 (15)

A 3' 52" 28" A 49' 13" 48"
D 2' 00" D 18' 00"
T 96.92' T 145.84'
L 193.74' L 273.50'
R 2865.00' R 318.33'



Δ 37°43' Lt.
T₈ 542.4'

FED. ROAD DIST. NO.	DIST.	PROJ. NO.	SHEET NO.	TOTAL SHEETS
9	COLO.	C11-0121-30	5	

TABULATION OF CONCRETE CURB & GUTTER

NO.	STATION	SIDE	*REMOVE Lin. Ft.	BUILD LIN. FT. Type I	Type II
1	476+65 - 476+90	RT.	30		25
2	476+90 - 477+35	RT.	60		
3	477+48 - 480+05	RT.	375		
4	478+40 - 480+10	LEFT	350	345	
5	476+90 - 477+50	RT.			110
6	477+30 - 480+30	RT.			345
7	477+70 - 479+40	RT.			180
	TOTALS		* 815	345	660

* Quantities are approximate only and shall be paid for under Item 11, Removal of Obstructions.

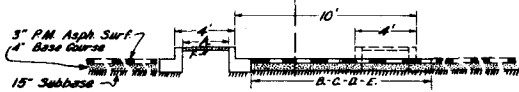
STRUCTURE REQUIREMENTS

477+07 - Extend 18" Cross Culvert 18' Rt.

Reqd: 18 Lin. Ft. 18" Corrugated Metal Culvert Pipe
1 Lin. Ft. 18" C.M.P. Allowance for External Connecting Band.

1 Ea. Reset 18" Metal Apron

DETAILS OF MEDIAN TREATMENT STA. 478+ to 480+



DETAILS OF WIDENING STA. 477+ to 480+ RT.



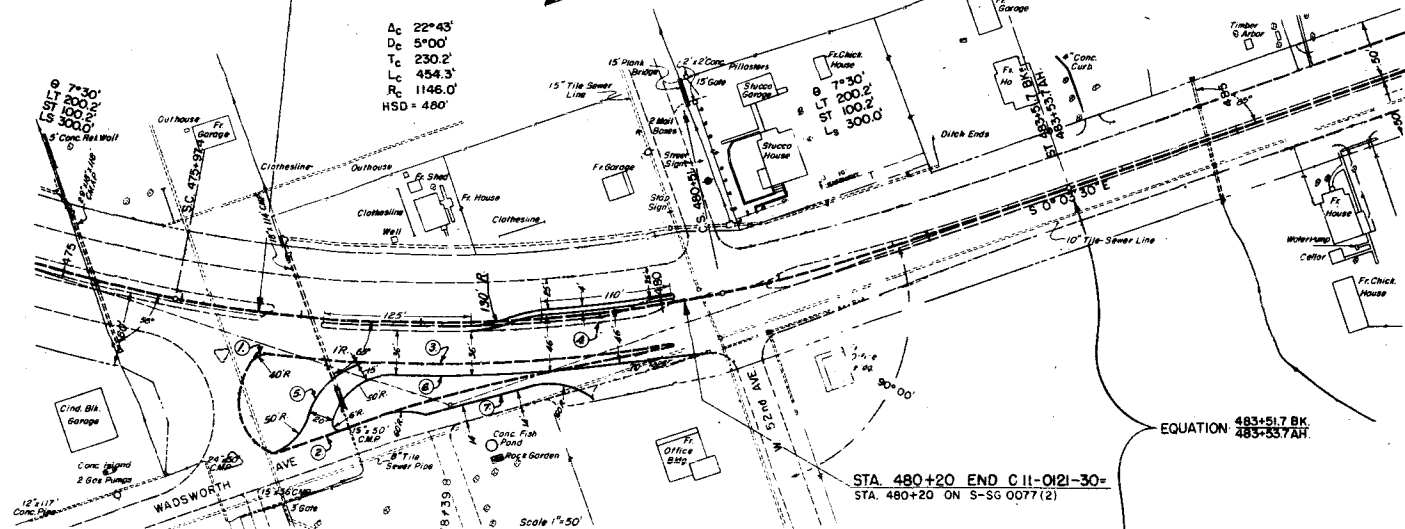
DETAILS OF RAMP STA. 477+ RT.



A - Prime Coat MC	0.20 Gal per Sq Yd.
B - Prime Coat MC	0.40 Gal per Sq Yd.
C - Plant Mixed Asphaltic Surfacing (Two 1 1/2" Courses)	0.165 Ton per Sq Yd.
D - Base Course Surfacing (6" thick)	0.20 Ton per Sq Yd.
E - Subbase Material (13" thick)	0.75 Ton per Sq Yd.
F - 2" Base Course Surfacing	0.10 Ton per Sq Yd.

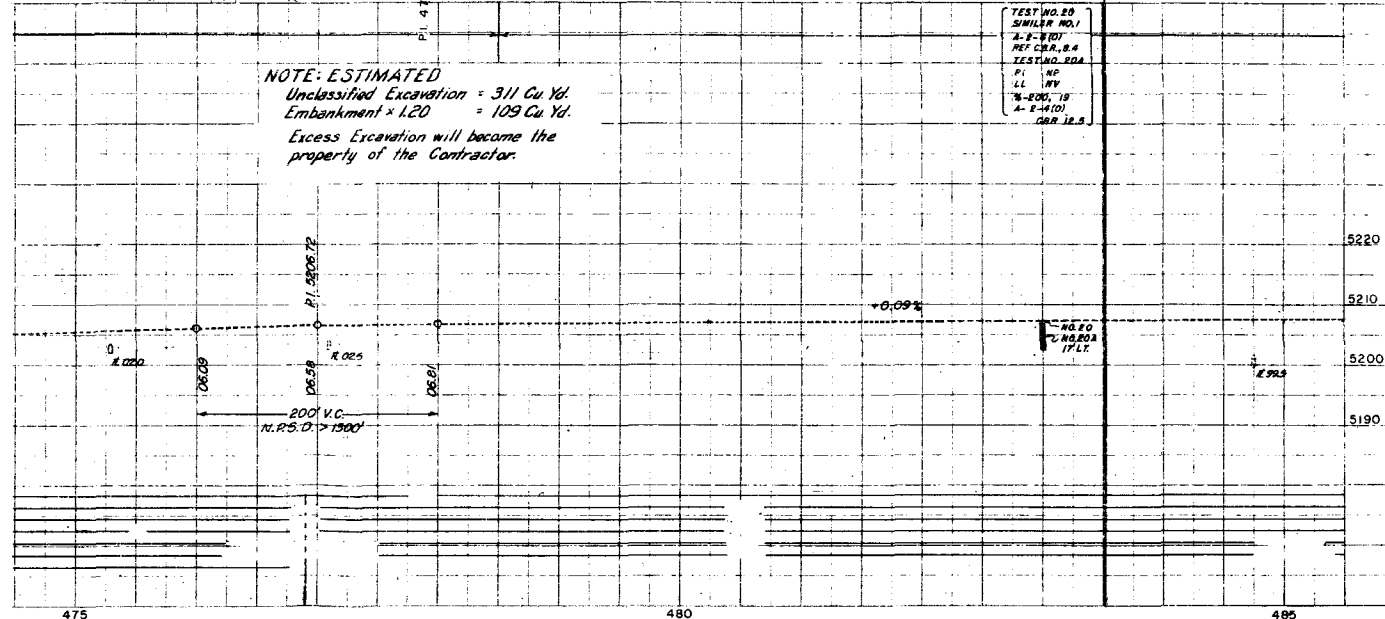
* 0.0825 Ton per Sq Yd. each course.

STA. 476+65 BEGIN C 11-0121-30=
STA. 476+65 ON S-SG 0077(2)



NOTE: ESTIMATED
Unclassified Excavation = 311 Cu Yd.
Embankment x 1.20 = 109 Cu Yd.
Excess Excavation will become the property of the Contractor.

TEST NO. 20
SIMILAR NO. 1
A-E-1001
REF. CBR, 8.4
TESTING RDA
P. 10
L. 10
W-200, 15
A-E-1010
CBR 12.5



STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS

STANDARD M-6-B

(SHEET 1 OF 2 SHEETS)

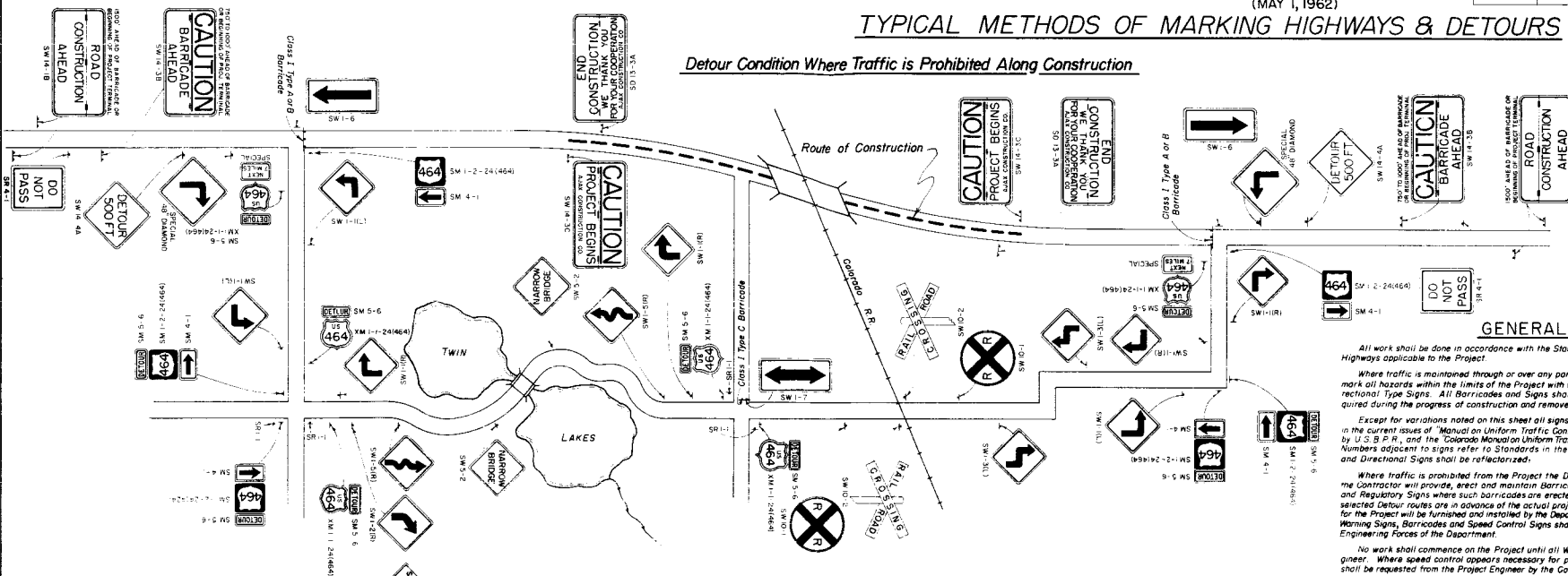
(MAY 1, 1962)

TYPICAL METHODS OF MARKING HIGHWAYS & DETOURS

FED. ROAD DIST. NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLO.		

REVISIONS	
DATE	REVISION
1-1-63	GENERAL REV.

Detour Condition Where Traffic is Prohibited Along Construction



GENERAL NOTES

All work shall be done in accordance with the Standard Specifications of the Colorado Department of Highways applicable to the Project.

Where traffic is maintained through or over any part of the Project, the Contractor will be required to mark all hazards within the limits of the Project with well maintained Barricades, Warning Signs and Directional Type Signs. All Barricades and Signs shall be moved, added to, changed or removed as required during the progress of construction and removed entirely when project is completed.

Except for variations noted on this sheet all signs will be in conformity with the specification outlined in the current issues of "Manual on Uniform Traffic Control Devices for Streets & Highways" issued by U.S.B.P.R., and the "Colorado Manual on Uniform Traffic Control Devices for Streets & Highways". Numbers adjacent to signs refer to Standards in the Colorado manual. Standard Warning, Regulatory and Directional Signs shall be retrofitted.

Where traffic is prohibited from the Project the Detour will be marked by the Department except that the Contractor will provide, erect and maintain Barricades complete with approved Directional Arrows and Regulatory Signs where such barricades are erected and maintained at the ends of the Project or where selected Detour routes are in advance of the actual project terminal. U.S. or State Route Markers required for the Project will be furnished and installed by the Department. The location and positioning of Advance Warning Signs, Barricades and Speed Control Signs shall be as recommended by the appropriate District Engineering Forces of the Department.

No work shall commence on the Project until all Warning Signs are in place and approved by the Engineer. Where speed control appears necessary for protection of the traveling public, such speed control shall be requested from the Project Engineer by the Contractor.

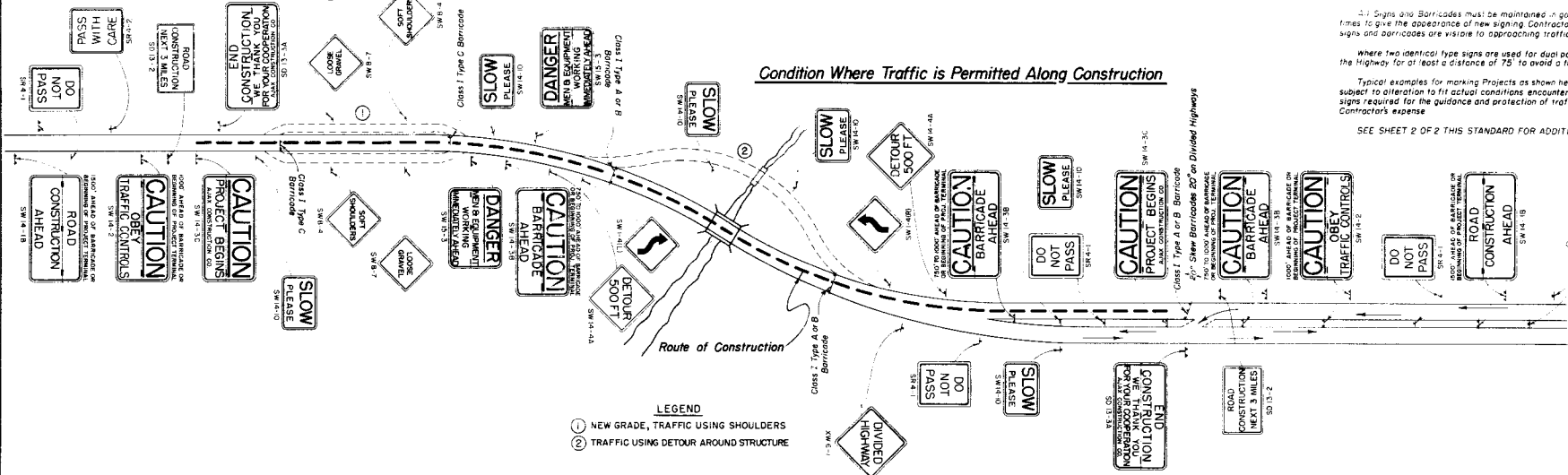
All Signs and Barricades must be maintained in good condition and kept clean and free of dirt at all times to give the appearance of new signing. Contractor's and Engineer's equipment must be parked so that signs and barricades are visible to approaching traffic at all times.

Where two identical type signs are used for dual posting they are to be staggered on the two sides of the Highway for at least a distance of 75' to avoid a tunneling effect.

Typical examples for marking Projects as shown herein constitute a minimum of signs required and are subject to alteration to fit actual conditions encountered in the field. Additional markings and any special signs required for the guidance and protection of traffic will be placed as required on the project at the Contractor's expense.

SEE SHEET 2 OF 2 THIS STANDARD FOR ADDITIONAL NOTES AND DETAILS

Condition Where Traffic is Permitted Along Construction



- LEGEND
- ① NEW GRADE, TRAFFIC USING SHOULDERS
 - ② TRAFFIC USING DETOUR AROUND STRUCTURE

COLORADO
DEPARTMENT OF HIGHWAYS

Construction Traffic Signs

Designed by JCR
Made by JCR
Checked by

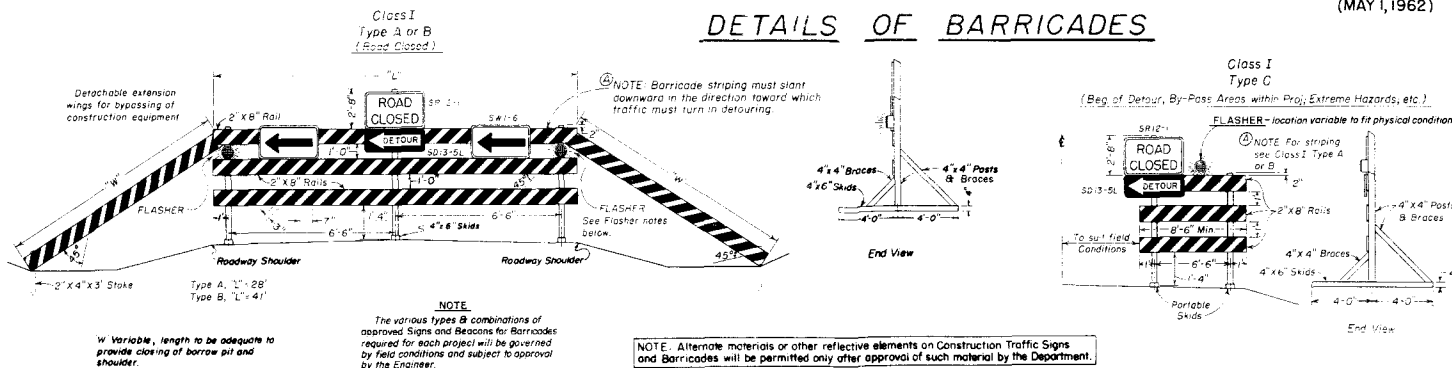
Approved by J. J. Williams
Engineer, Survey & Plans
Date: July 22, 1955

STANDARD ROADWAY CONSTRUCTION TRAFFIC SIGNS

STANDARD M-6-B

(SHEET 2 OF 2 SHEETS)
(MAY 1, 1962)

DETAILS OF BARRICADES



FEDERAL ROAD REGION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLORADO		

REVISIONS			
5-16-62	Rev Margin & Border Color	L.E.O.	
1-14-63	General Rev	L.E.O.	

SPECIFICATIONS

PAINT—All paint and methods of painting shall be in conformity with Item 36 of the Standard Specifications.

STRIPING—Planning and Wings on all Barricades shall be painted with Maintenance Flat Black on both sides before adding Reflective Strips. Reflective Strips shall be "Cutlax Smooth Surface Yellow," of a type approved by the Department, 3" wide and spaced 7" apart in both directions.

Division of Traffic will be accomplished as follows:
 1—Stripes for Barricades diverting traffic to the left shall start on the left hand side of the lower plank and progress up to the right with the stripes making an angle of 45 degrees with the horizontal axis of the board as shown in the detail. Traffic diversion to the right will be just the opposite.
 2—Stripes on Barricades diverting traffic in both directions shall begin at the center of the lower plank and progress down in both directions.

TIMBER—All Timber used shall conform to the Standard Specifications for Miscellaneous Untreated Timber.

Barricades may be either portable as shown or fixed with posts set into the ground. All struts, braces and posts to be painted yellow and nailed together with No. 20 d. nails. Posts to be weighted where necessary to provide stability.

NOTES

- Signs "A" through "F" shall be of the hinge and fold type to facilitate the use of reflective sheeting on the face surface of the sign.
- The reflective sheeting used on the sign background shall be placed over the hinges and flaps.
- Hinges shall be fastened to the sign with flat head stove bolts having a flat washer between nut and back of sign.
- Hinges, bolts, nuts and washers to be rust resistant.
- Signs shall be placed in the open position with roads and eyes or other approved fastening devices.
- 50° Countersunk Steel or Aluminum Lock Bolt Fasteners with Collars suitable for use with nuts may be used in lieu of stove bolts.

DETAILS OF CONSTRUCTION SIGNS



DETAILS OF SIGN AND BEACON FABRICATION AND USAGE

Construction Signs "A" through "G" and "K" shall be made of 5/8" Plywood or other material approved by the Department and as per details above.

Signs having reflectorized yellow or red surfaces shall be fabricated from "Flexible Reflective Sheeting" of the "Non-Excessed Lens" type approved by the Department. Signs having reflectorized white surfaces shall be fabricated from "Flexible Reflective Sheeting of the "Excessed Lens" type approved by the Department.

Construction Sign "A"—Reflectorized Yellow background with painted black lettering.

Construction Signs "B" through "G"—Top background to be reflectorized "Smooth Surface Red" with the legend and "I" underline to be a white process print. Balance of lettering to be painted black over a reflectorized yellow background.

Construction Sign "E"—The word "DANGER" and the "I" underline only are to be of a white process print over a reflectorized "Smooth Surface Red" background. Balance of lettering to be painted black over a reflectorized yellow background.

Construction Sign "F"—The words "END CONSTRUCTION" and "CONSTRUCTION" shall be painted black over a reflectorized white background. Balance of lettering to be applied with a white process print over a reflectorized "Smooth Surface Red" background.

Construction Sign "G"—The legend to be painted black over a reflectorized "Smooth Surface Yellow" background.

Flagman Warning Sign "H"—This sign shall be made of plastic or other lightweight material approved by the Department, having a painted red background with white lettering on the "Stop" side and a painted green background with white lettering on the "Go" side. Movable in be ground on one side to indicate reading of sign to flagman. This sign will be used whenever flagman are necessary. Sign to be reflectorized if used to stop traffic at night.

Detour Warning Sign "I"—This sign shall be made of 3/8" (Min) Plywood or other material suitable to the Department. Legend to be painted black on a reflectorized "Smooth Surface Yellow" background.

Construction Sign "J"—This sign shall be made of 3/8" (Min) Plywood or other suitable material. Legend to be painted black on a reflectorized white background. 3/4" x 9" metal sides to be placed between "NEXT 5 MILES," spaced so as to accommodate appropriate sized numerals. Numerals calculated to the nearest mile.

Construction Sign "K"—Reflectorized white background with painted black lettering.

Signs "A" through "G" and "I" shall be painted on the backside with one coat of white primer and one coat of yellow enamel.

Signs "A", "J" and "K" shall be given 2 coats of white paint on the backside.

Construction Signs shall be placed as follows:

Sign "A"—This is the first advance warning sign and shall be placed 1500 feet ahead of barricade or beginning of project terminal and on both sides of the traveled way in all cases.

Sign "B"—This is the second advance warning sign and shall be placed 1000 feet ahead of barricade or beginning of project terminal and on both sides of the traveled way in all cases.

Sign "C"—This is the third advance warning sign and shall be placed 750 to 1000 feet ahead of barricade or beginning of project terminal and on both sides of the traveled way in all cases.

Sign "D"—This sign shall be placed to mark the beginning of the project. It shall be placed singly and may be placed opposite barricade if desirable.

Sign "E"—This sign shall be placed 500 feet ahead of the situation being advised of.

Sign "F"—This sign shall be placed to mark the end of the project. It shall be placed singly and may be placed opposite barricade if desirable.

Sign "G"—This sign shall be used frequently within the limits of the project.

Sign "H"—This sign shall be erected at the limits of the project more than 2 miles in extent, where traffic is maintained through the job.

Flares and Torches shall be either of the oil burning or electrical type approved by the Department and shall be placed 3 to 5 feet ahead of the object to be illuminated. Particular care shall be taken to protect all signs and barricades from smoke and flames arising from the use thereof.

Flashes used on the barricades shall be of the Battery or Electrical type and shall have no less than 2 1/2" diameter and a flashing yellow beacon or signal shall be flashed continuously at a rate between 50 to 70 flashes per minute with the "on" time being at least 25% of the cycle and which will be clearly distinguishable to traffic. The duration in which flashes will be left in operation will be governed by field conditions and subject to approval by the Engineer.

by the Engineer.

Alternate methods of processing signs or the substitution of symbols or other reflecting elements for painted symbols will be permitted only after approval of such methods or materials by the Department.

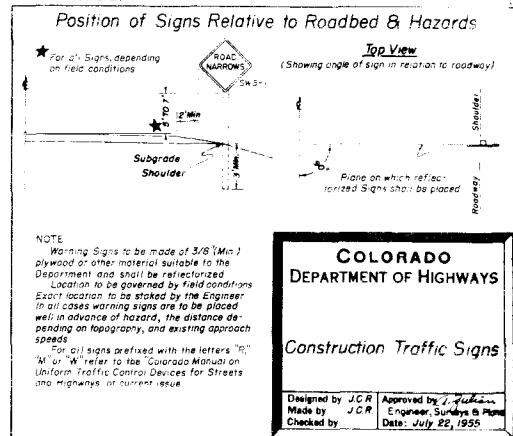
The Department shall furnish and install the following as required **OUTSIDE THE LIMITS** of the Project:

- "ROAD CONSTRUCTION AHEAD"
- "CAUTION OBEY TRAFFIC CONTROLS"
- "CAUTION BARRICADE AHEAD"
- Standard Warning, Guide & Directional Signs
- "ROAD CONSTRUCTION NEXT 5 MILES"

The Contractor shall furnish and install the following as required **WITHIN THE LIMITS** of the Project:

- All Barricades
- "CAUTION PROJECT BEGINS"
- "DANGER MEN & EQUIPMENT WORKING IMMEDIATELY AHEAD"
- "END CONSTRUCTION WE THANK YOU FOR YOUR COOPERATION"
- "SLOW PLEASE"
- Standard Warning & Directional Signs
- Approved Directional Arrows & Regulatory Signs for Barricades
- Beacons and Flares as follows: Class I Type A or B Barricade
- Flashes—Type 1 Type A or B Barricade

At the request of the Contractor layouts of signs will be furnished by the Traffic Operations Section containing the details as to letter size, symbols, spacing, etc. which are required for these signs.

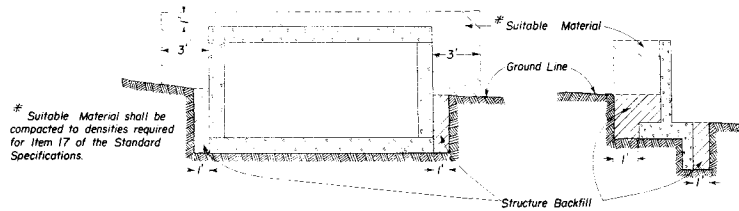


STANDARD M-16-A

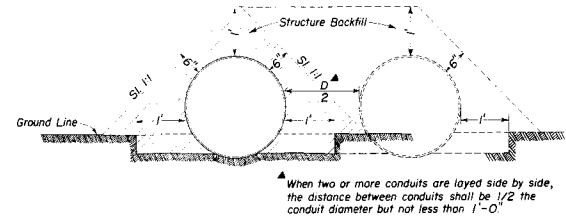
(MAY 1, 1962)

FEET ROAD SECTION NO.	DIVISION	PROJECT NO.	SHEET NO.
9	COLD.		
REVISION			

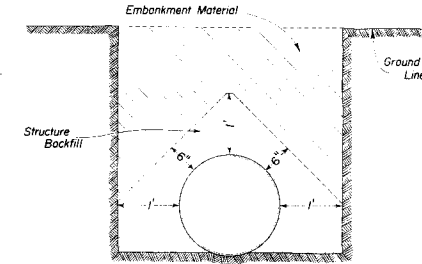
CONCRETE BOX CULVERTS & WINGWALLS



CIRCULAR CONDUIT

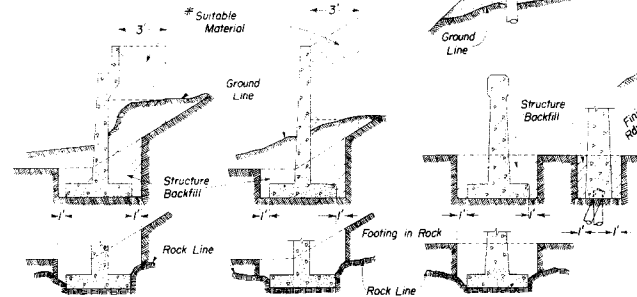


SIPHONS OR CONDUIT IN TRENCH



PIERS, ABUTMENTS, RETAINING WALLS ETC.

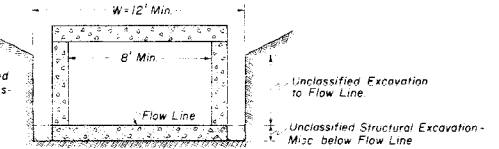
All material that is to be compacted shall be placed in horizontal layers not more than 6" inches in depth and compacted before the next layer is placed. For Arches, Rigid Frames, and Box Culverts the fill shall be brought up uniformly on both sides of the center of structure to avoid stresses in the structure caused by unsymmetrical loading.



ELLIPTICAL OR ARCH CONDUIT



On all structures of 8' span or over, including extensions of old structures, excavation for structures shall be classified and paid for as "Unclassified Excavation" to Flow Line and "Unclassified Structural Excavation - Misc" below the Flow Line of box.



GENERAL NOTES

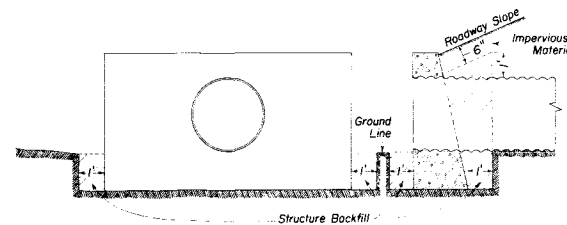
All work shall be done according to the Standard Specifications of the Colorado Department of Highways applicable to the Project.

If in the opinion of the Engineer, the material beneath the Structure is of such character as to cause unequal settlement along the length of the Structure, the material shall be removed to such a depth ordered, and backfilled with gravel or other suitable material and compacted in accordance with Item 16 of the Standard Specifications.

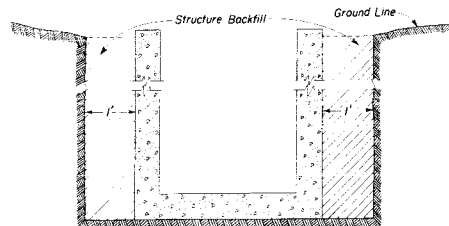
Suitable Material shall be any "Unclassified Excavation" material developed on the project except large rock, boulders or other materials considered by the Engineer to be undesirable for backfill around culverts, boxes etc.

For concrete box culverts located where roadway cross section is in Fill, embankment shall be built up and compacted to a point one (1) ft. above flow line of box. The trench shall then be excavated as shown to accommodate construction of the box.

HEADWALLS AND END OF CULVERTS



DROP INLETS, DIVISION BOXES, INTERCEPTING HEADWALLS ETC.



COLORADO
DEPARTMENT OF HIGHWAYS

BACKFILL
AROUND STRUCTURES

Designed by H.E.P. Made by D.M.E. Checked by L.E.O. Approved by B.H. Kuehler Bridge Engineer Date: May 2, 1962

STANDARD CURBS AND GUTTERS

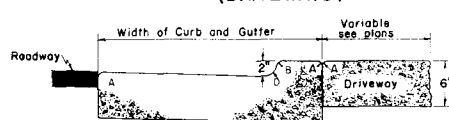
STANDARD M-84-A

(MAY 1, 1962)

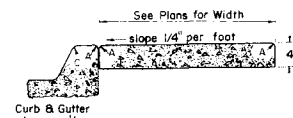
FED. ROAD REG. NO.	DIVISION	COMB. PROJECT NO.	SHEET NO.
9	COLO.	C 01-0002 - 23 C 11-0121 - 30	

REVISIONS		
3-25-63	Added Approach Slab Curbs	C.R.S.
4-5-63	Rev. Barrier Curb	W.E.B.

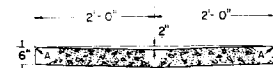
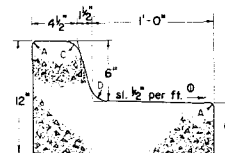
For this Project only

CONCRETE PAVEMENT
(DRIVEWAYS)

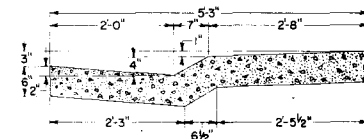
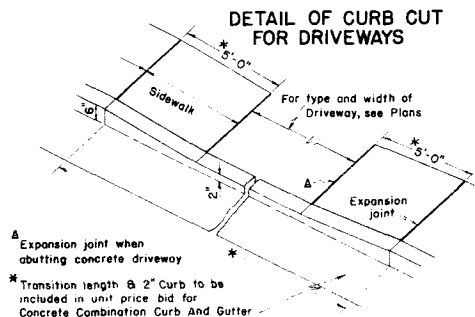
CONCRETE SIDEWALKS



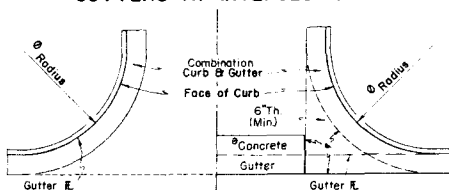
CONCRETE GUTTER

CONCRETE COMBINATION CURB AND GUTTER
(6" Barrier-1' Gutter) (Type I)

LEGEND FOR RADII	
A	= 1/8"
B	= 1"
C	= 1 1/2"
D	= 1 1/2" to 2"

CONCRETE COMBINATION CURB,
GUTTER AND SIDEWALK (TYPE II-M)DETAIL OF CURB CUT
FOR DRIVEWAYSTRANSVERSE WEAKENED PLANE JOINT
FOR CONCRETE PAVEMENT (DRIVEWAYS)

This joint required where length of slab exceeds 15 feet.

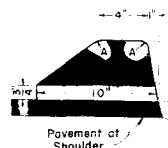
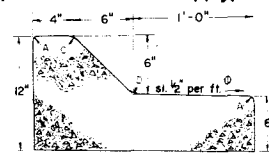
CONSTRUCTION OF CONCRETE
GUTTERS AT INTERSECTIONS

Length of Radius as shown elsewhere on Plans.

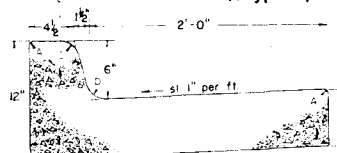
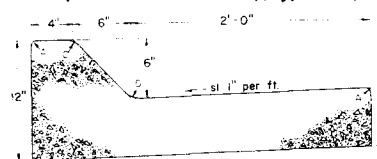
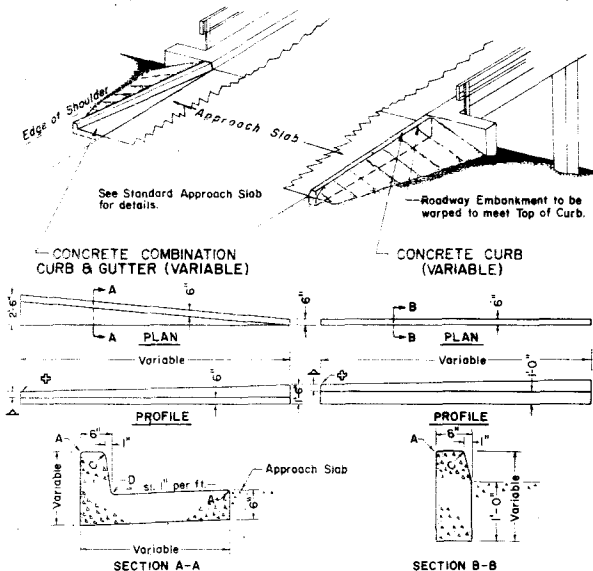
This section to be built when Concrete Gutter is not required.

This section to be built when Concrete Gutter is required.

ASPHALTIC SHOULDER ROLL

NOTE:
0.647 x Specific Gravity of
Asphalt = Tons per Station.CONCRETE COMBINATION CURB AND GUTTER
(6" Mountable-1' Gutter) (Type I-M)

Slope in opposite direction when required for curves or warped pavement sections.

CONCRETE COMBINATION CURB AND GUTTER
(6" Barrier-2' Gutter) (Type II)CONCRETE COMBINATION CURB AND GUTTER
(6" Mountable-2' Gutter) (Type II-M)DETAILS OF CONCRETE COMBINATION CURB
& GUTTER (VARIABLE) AND CONCRETE CURB (VARIABLE)

GENERAL NOTES

All work shall be done in accordance with the Specifications of the Colorado Department of Highways.

On Curves 3 degrees and sharper, Curbs and/or Gutters are to be placed on the Arc of the Curve unless otherwise noted on plans. A maximum chord length of 10 feet may be used when the degree of curve is less than 3 degrees.

COLORADO
DEPARTMENT OF HIGHWAYS

CURBS AND GUTTERS

Designed by	Approved by
Made by	Date: 5-24-62
Checked by	