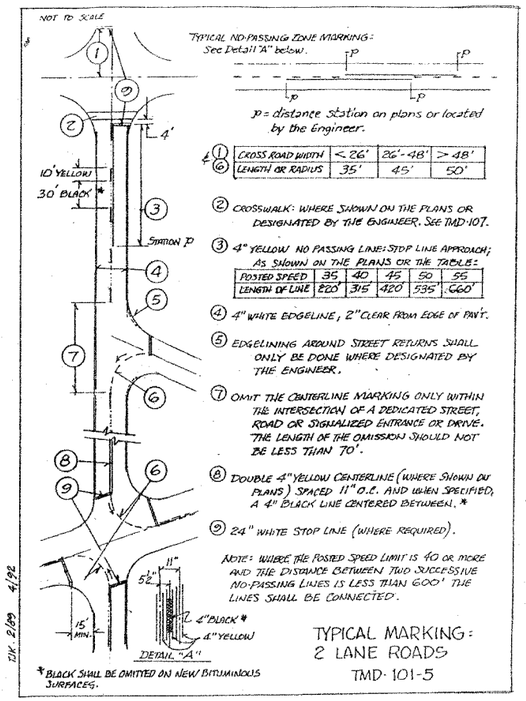
County Highway	Fiscal Year	Sheet No.	Total Sheets
		74	94

Section _____

Contract 83X66



① ⑥	CROSS ROAD WIDTH	< 26'	26'-48'	> 48'
	LENGTH OR RADIUS	35'	45'	50'

② CROSSWALK: WHERE SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER. SEE TMD-107.

③ 4" YELLOW NO PASSING LINE: STOP LINE APPROACH; AS SHOWN ON THE PLANS OR THE TABLE:

POSTED SPEED	35	40	45	50	55
LENGTH OF LINE	200'	315'	420'	535'	660'

④ 4" WHITE EDGELINE, 2" CLEAR FROM EDGE OF PAVT.

⑤ EDGELINING AROUND STREET RETURNS SHALL ONLY BE DONE WHERE DESIGNATED BY THE ENGINEER.

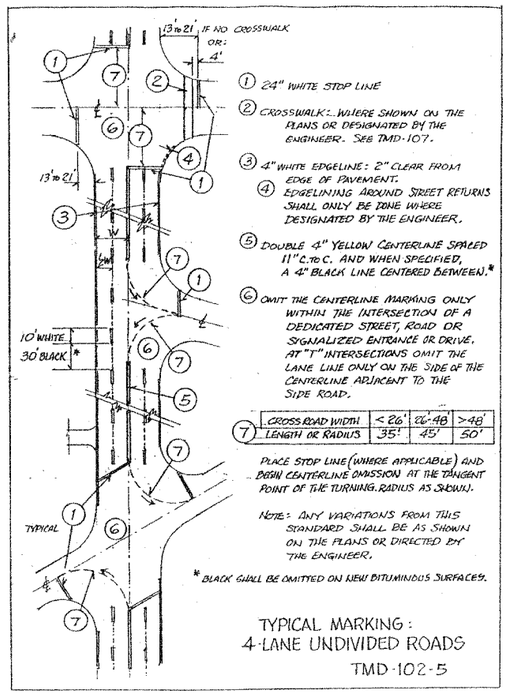
⑦ OMIT THE CENTERLINE MARKING ONLY WITHIN THE INTERSECTION OF A DEDICATED STREET, ROAD OR SIGNALIZED ENTRANCE OR DRIVE. THE LENGTH OF THE OMISSION SHOULD NOT BE LESS THAN 70'.

⑧ DOUBLE 4" YELLOW CENTERLINE (WHERE SHOWN ON PLANS) SPACED 11" O.C. AND WHEN SPECIFIED, A 4" BLACK LINE CENTERED BETWEEN. *

⑨ 24" WHITE STOP LINE (WHERE REQUIRED).

NOTE: WHERE THE POSTED SPEED LIMIT IS 40 OR MORE AND THE DISTANCE BETWEEN TWO SUCCESSIVE NO-PASSING LINES IS LESS THAN 600' THE LINES SHALL BE CONNECTED.

TYPICAL MARKING: 2 LANE ROADS
TMD-101-5



① 24" WHITE STOP LINE

② CROSSWALK: WHERE SHOWN ON THE PLANS OR DESIGNATED BY THE ENGINEER. SEE TMD-107.

③ 4" WHITE EDGELINE: 2" CLEAR FROM EDGE OF PAVEMENT.
④ EDGELINING AROUND STREET RETURNS SHALL ONLY BE DONE WHERE DESIGNATED BY THE ENGINEER.

⑤ DOUBLE 4" YELLOW CENTERLINE SPACED 11" C. TO C. AND WHEN SPECIFIED, A 4" BLACK LINE CENTERED BETWEEN.*

⑥ OMIT THE CENTERLINE MARKING ONLY WITHIN THE INTERSECTION OF A DEDICATED STREET, ROAD OR SIGNALIZED ENTRANCE OR DRIVE, AT "T" INTERSECTIONS OMIT THE LANE LINE ONLY ON THE SIDE OF THE CENTERLINE ADJACENT TO THE SIDE ROAD.

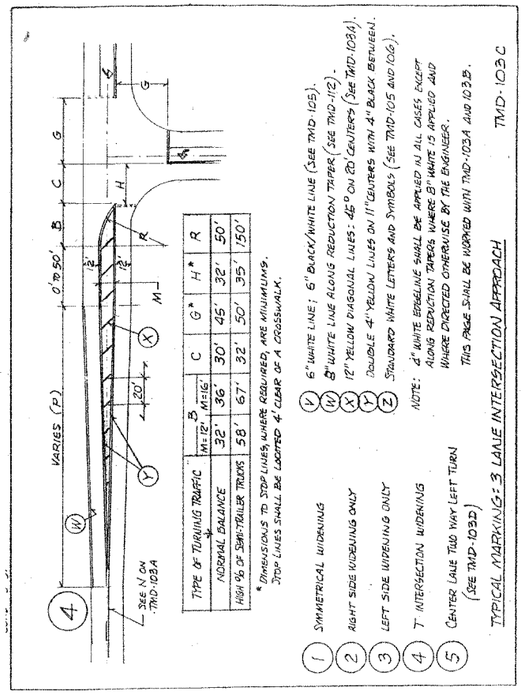
⑦	CROSS ROAD WIDTH	< 26'	26'-48'	>48'
	LENGTH OR RADIUS	35'	45'	50'

PLACE STOP LINE (WHERE APPLICABLE) AND BASIN CENTERLINE OMISSION AT THE TANGENT POINT OF THE TURNING RADIUS AS SHOWN).

NOTE: ANY VARIATIONS FROM THIS STANDARD SHALL BE AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER.

* BLACK SHALL BE OMITTED ON NEW BITUMINOUS SURFACES.

TYPICAL MARKING: 4-LANE UNDIVIDED ROADS
TMD-102-5



TYPE OF TURNING TRAFFIC	M = 12'	B M = 16'	C	G*	H*	R
NORMAL BALANCE	32'	36'	30'	45'	32'	50'
HIGH % OF SEMI-TRAILER TRUCKS	58'	67'	32'	50'	35'	150'

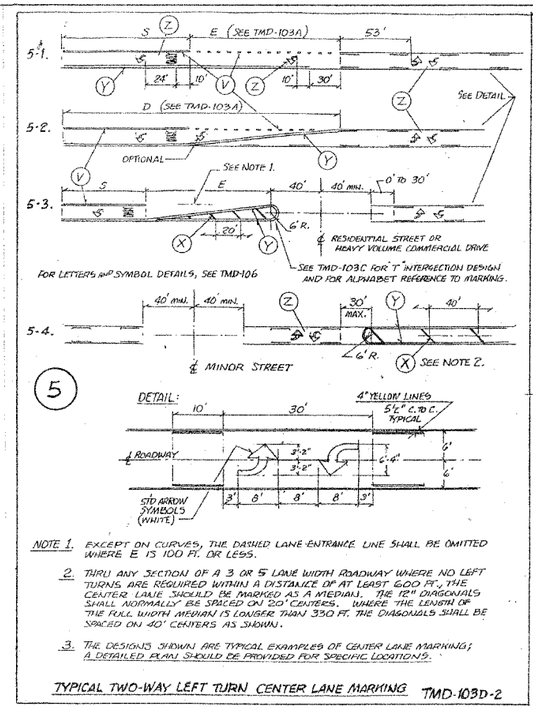
* DIMENSIONS TO STOP LINES, WHERE REQUIRED, ARE MINIMUMS. STOP LINES SHALL BE LOCATED 4' CLEAR OF A CROSSWALK.

(W) 6" WHITE LINE; (X) 6" BLACK/WHITE LINE (SEE TMD-105).
(Y) 8" WHITE LINE ALONG REDUCTION TAPER (SEE TMD-112).
(Z) 12" YELLOW DIAGONAL LINES: 45° ON 20' CENTERS (SEE TMD-103A).
DOUBLE 4" YELLOW LINES ON 11" CENTERS WITH 4" BLACK BETWEEN.
STANDARD WHITE LETTERS AND SYMBOLS (SEE TMD-105 AND 106).

NOTE: 4" WHITE EDGELINE SHALL BE APPLIED IN ALL CASES EXCEPT ALONG REDUCTION TAPERS WHERE 8" WHITE IS APPLIED AND WHERE DIRECTED OTHERWISE BY THE ENGINEER.
THIS PAGE SHALL BE HOOPED WITH TMD-103A AND 103B.

	SYMMETRICAL WIDENING	RIGHT SIDE WIDENING ONLY	LEFT SIDE WIDENING ONLY	T INTERSECTION WIDENING	CENTER LANE TWO WAY LEFT TURN (SEE TMD-103D)
	1	2	3	4	5

TYPICAL MARKING: 3 LANE INTERSECTION APPROACH
TMD-103C

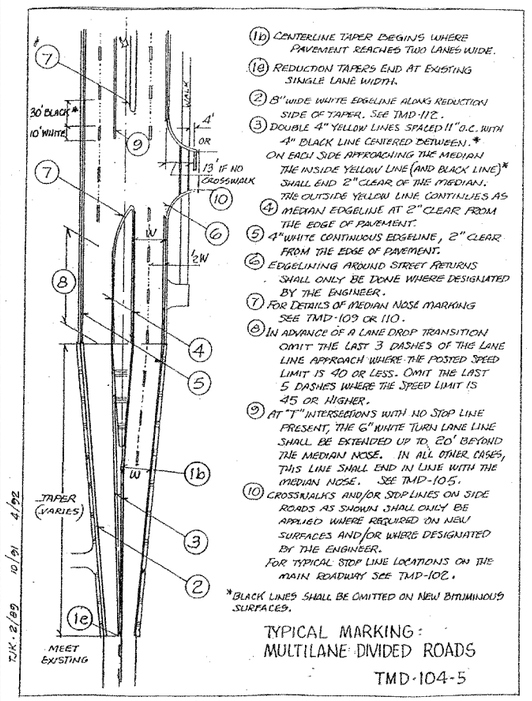


NOTE 1. EXCEPT ON CURVES, THE DASHED LANE ENTRANCE LINE SHALL BE OMITTED WHERE E IS 100 FT. OR LESS.

2. THRU ANY SECTION OF A 3 OR 5 LANE WIDTH ROADWAY WHERE NO LEFT TURNS ARE REQUIRED WITHIN A DISTANCE OF AT LEAST 600 FT., THE CENTER LANE SHOULD BE MARKED AS A MEDIAN. THE 12" DIAGONALS SHALL NORMALLY BE SPACED ON 20' CENTERS. WHERE THE LENGTH OF THE FULL WIDTH MEDIAN IS LONGER THAN 330 FT. THE DIAGONALS SHALL BE SPACED ON 40' CENTERS AS SHOWN.

3. THE DESIGNS SHOWN ARE TYPICAL EXAMPLES OF CENTER LANE MARKING; A DETAILED PLAN SHOULD BE PROVIDED FOR SPECIFIC LOCATIONS.

TYPICAL TWO-WAY LEFT TURN CENTER LANE MARKING TMD-103D-2



(1b) CENTERLINE TAPER BEGINS WHERE PAVEMENT REACHES TWO LANES WIDE.

(1d) REDUCTION TAPERS END AT EXISTING SINGLE LANE WIDTH.

(2) 8" WIDE WHITE EDGELINE ALONG REDUCTION SIDE OF TAPER. SEE TMD-112.

(3) DOUBLE 4" YELLOW LINES SPACED 11" O.C. WITH 4" BLACK LINE CENTERED BETWEEN.* ON EACH SIDE APPROACHING THE MEDIAN THE INSIDE YELLOW LINE (AND BLACK LINE)* SHALL END 2" CLEAR OF THE MEDIAN. THE OUTSIDE YELLOW LINE CONTINUES AS

(4) MEDIAN EDGELINE AT 2" CLEAR FROM THE EDGE OF PAVEMENT.

(5) 4" WHITE CONTINUOUS EDGELINE, 2" CLEAR FROM THE EDGE OF PAVEMENT.

(6) EDGELINING AROUND STREET RETURNS SHALL ONLY BE DONE WHERE DESIGNATED BY THE ENGINEER.

(7) FOR DETAILS OF MEDIAN NOSE MARKING SEE TMD-109 OR 110.

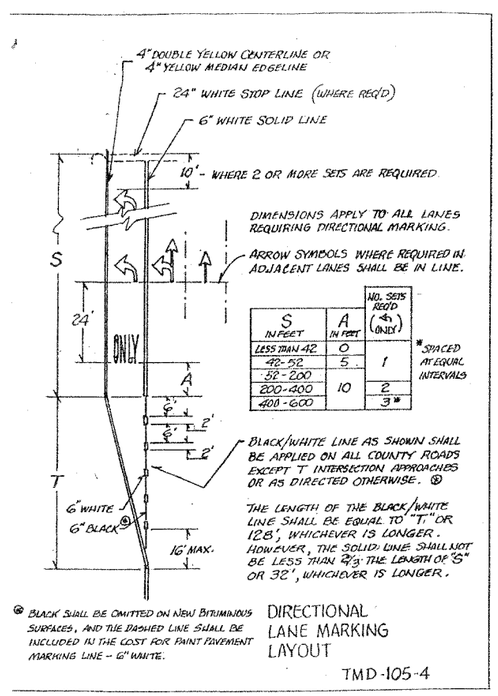
(8) IN ADVANCE OF A LANE DROP TRANSITION OMIT THE LAST 3 DASHES OF THE LANE LINE APPROACH WHERE THE POSTED SPEED LIMIT IS 40 OR LESS. OMIT THE LAST 5 DASHES WHERE THE SPEED LIMIT IS 45 OR HIGHER.

(9) AT "T" INTERSECTIONS WITH NO STOP LINE PRESENT, THE 6" WHITE TURN LANE LINE SHALL BE EXTENDED UP TO 20' BEYOND THE MEDIAN NOSE. IN ALL OTHER CASES, THIS LINE SHALL END IN LINE WITH THE MEDIAN NOSE. SEE TMD-105.

(10) CROSSWALKS AND/OR STOP LINES ON SIDE ROADS AS SHOWN SHALL ONLY BE APPLIED WHERE REQUIRED ON NEW SURFACES AND/OR WHERE DESIGNATED BY THE ENGINEER. FOR TYPICAL STOP LINE LOCATIONS ON THE MAIN ROADWAY SEE TMD-102.

* BLACK LINES SHALL BE OMITTED ON NEW BITUMINOUS SURFACES.

TYPICAL MARKING: MULTILANE DIVIDED ROADS
TMD-104-5



S IN FEET	A IN FEET	NO. SETS REQ'D (ONLY)
LESS THAN 42	0	1
42-52	5	
52-200	10	
200-400		2
400-600		3*

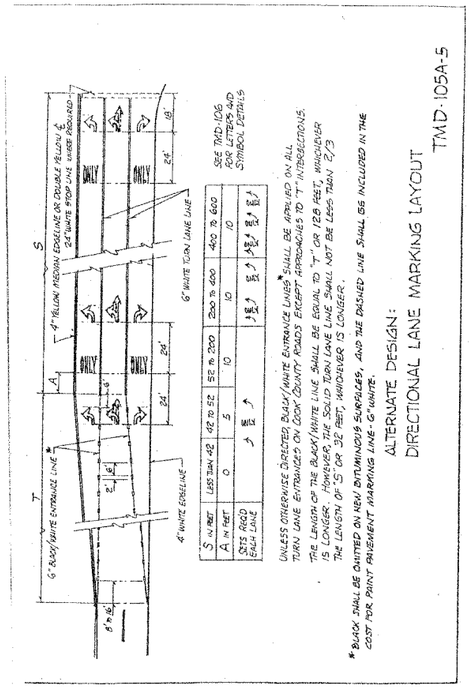
*SPACED AT EQUAL INTERVALS

BLACK/WHITE LINE AS SHOWN SHALL BE APPLIED ON ALL COUNTY ROADS EXCEPT T INTERSECTION APPROACHES OR AS DIRECTED OTHERWISE. ⑧

THE LENGTH OF THE BLACK/WHITE LINE SHALL BE EQUAL TO "T" OR 128', WHICHEVER IS LONGER. HOWEVER, THE SOLID LINE SHALL NOT BE LESS THAN 2/3 THE LENGTH OF "S" OR 32', WHICHEVER IS LONGER.

⑧ BLACK SHALL BE OMITTED ON NEW BITUMINOUS SURFACES, AND THE DASHED LINE SHALL BE INCLUDED IN THE COST FOR PAINT PAVEMENT MARKING LINE - 6" WHITE.

DIRECTIONAL LANE MARKING LAYOUT
TMD-105-4



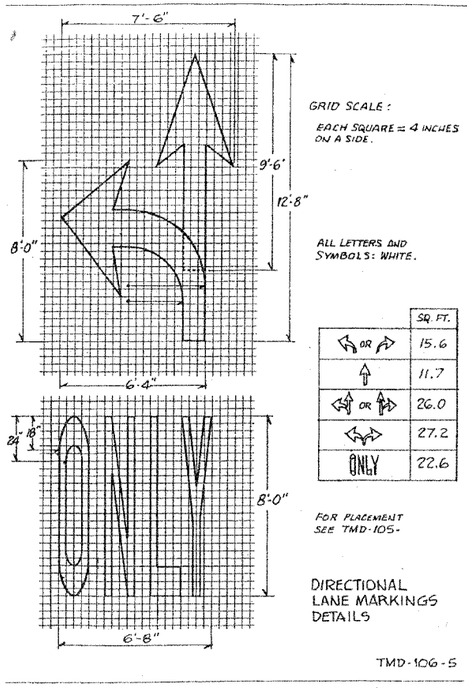
S IN FEET	LESS THAN 42	42 TO 52	52 TO 200	200 TO 400	400 TO 600
A IN FEET	0	5	10	10	10
SETS REQ'D EACH LANE	1	1	1	2	3

SEE TMD-106 FOR LETTERS AND SYMBOL DETAILS

UNLESS OTHERWISE DIRECTED, BLACK/WHITE ENTRANCE LINES* SHALL BE APPLIED ON ALL TURN LANE ENTRANCES ON COOK COUNTY ROADS EXCEPT APPROACHES TO "T" INTERSECTIONS. THE LENGTH OF THE BLACK/WHITE LINE SHALL BE EQUAL TO "T" OR 128 FEET, WHICHEVER IS LONGER. HOWEVER, THE SOLID TURN LANE LINE SHALL NOT BE LESS THAN 2/3 THE LENGTH OF "S" OR 32 FEET, WHICHEVER IS LONGER.

* BLACK SHALL BE OMITTED ON NEW BITUMINOUS SURFACES, AND THE DASHED LINE SHALL BE INCLUDED IN THE COST FOR PAINT PAVEMENT MARKING LINE - 6" WHITE.

ALTERNATE DESIGN: DIRECTIONAL LANE MARKING LAYOUT
TMD-105A-5



GRID SCALE: EACH SQUARE = 4 INCHES ON A SIDE.

ALL LETTERS AND SYMBOLS: WHITE.

	SQ. FT.
OR	15.6
	11.7
OR	26.0
	27.2
ONLY	22.6

FOR PLACEMENT SEE TMD-105.

DIRECTIONAL LANE MARKINGS DETAILS
TMD-106-5

COUNTY OF COOK
DEPARTMENT OF HIGHWAYS

PERMANENT PAVEMENT MARKING STANDARDS (SHEET 1 OF 2)

COMPUTED _____ APPROVED _____ 19____
DRAWN _____
CHECKED _____
ENGR. ENGINEER OF DESIGN

10/91 4/92