OFF-TRACK COMPUTATION FORM

THIS FORM SHALL BE COMPLETED FOR ALL VEHICLE CONFIGURATIONS (EXCEPT TRIPLES) AND ACCOMPANY THE PERMIT, REGARDLESS OF THE ROUTES OF OPERATION. REFER TO SKETCHES BELOW AND ENTER THE APPROPRIATE INTERNAL DIMENSIONS IN THE SPACES PROVIDED. FOLLOW STEPS (1) THROUGH (20) PROVIDED, FOLLOW STEPS (1) THROUGH (20) TO COMPUTE MAXIMUM OFF-TRACK BASED ON A VEHICLE COMBINATION WITH ITS STEERING AXLE CENTERED ON A 165 FOOT RADIUS CURVE. THE COMPUTED OFF-TRACK WILL BE THE RADIUS TO THE INSIDE FRONT WHEEL OF THE STEERING AXLE MINUS THE RADIUS TO THE INSIDE OF THE REAR AXLE OF THE COMBINATION.

R = 165 - 4 = 161


IF ASSISTANCE IS REQUIRED IN THE COMPUTATION OF MAXIMUM OFF-TRACK OR MEASURING THE INTERNAL DIMENSIONS CALL (800) 662-7133 OR GO TO www.itd.idaho.gov/dmv/poe/offtrack.htm

USE THESE DECIMAL EQUIVALENTS INSTEAD OF INCHES:

1 IN. = .08 FT.
2 IN. = .17 FT.
3 IN. = .25 FT.
4 IN. = .33 FT.
5 IN. = .42 FT.
6 IN. = .50 FT.
7 IN. = .58 FT.
8 IN. = .67 FT.
9 IN. = .75 FT.
10 IN. = .83 FT.
11 IN. = .92 FT.
12 IN. = 1.0 FT.

(1) A = _______ FT.
(2) B = _______ FT.
(3A) C1 = _______ FT.
(3B) C2 = _______ FT.
(4) D = _______ FT.
(5) E = _______ FT.
(6) F = _______ FT.
(7) A^2 = _______ FT.
(8) B^2 = _______ FT.
(9) D^2 = _______ FT.
(10) E^2 = _______ FT.
(11) F^2 = _______ FT.

(12) ADD (7)(8)(9)(10) & (11) = _______ FT.

(13) R^2 = 161^2 = 25,921.00

(14A) C1^2 = _______ FT.
(14B) C2^2 = _______ FT.

(15) ADD (13) AND (14 A&B) = _______ FT.

(16) ENTER (12) = _______ FT.

(17) SUBTRACT (16) FROM (15) = _______ FT.

(18) R = 161.00

(19) SQUARE ROOT OF (17) = _______ FT.

(20) OFF-TRACK = 161 - (19) = _______ FT.

* IF (17) IS LESS THAN 24,180 OFF-TRACK IS GREATER THAN 5.5, MAXIMUM FOR BLUE ROUTES. IF (17) IS LESS THAN 23,870 OFF-TRACK IS GREATER THAN 6.5 MAXIMUM FOR RED ROUTES. IF (17) IS LESS THAN 23,716 OFF-TRACK IS GREATER THAN 7.0.

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