



Jackson Township

Franklin County, Ohio

Fiscal Officer
Ron Grossman

Board of Trustees
Ron McClure
David Burris
Jim Rauck

Administrator
Shane W. Farnsworth

Emersonia Traffic Calming

Jackson Township has received a number of complaints regarding vehicles speeding, drivers not observing stop signs, and truck traffic traveling through the Emersonia neighborhood not making local deliveries. The Franklin County Engineer's office was consulted and provided the following observations and recommendations:

Recommendations

Speed Feedback Signs

Speed feedback signs provide approaching vehicles with their current speed shown on a digital display. The speeds are measured using a radar unit which is incorporated into the sign assembly. Speed feedback signs are typically installed with a speed limit sign. When speeds exceed the posted speed limit, the display can exhibit a flashing message to remind drivers to slow down. Speed feedback signs are proposed to be installed in the following locations.

- East of the intersection of Hyde Road and Nedra Street with the existing 25 mph speed limit sign facing eastbound traffic.
- Near 2363 Nedra Street with a new 25 mph speed limit sign facing eastbound traffic.

Stop Sign Adjustments

Convert the intersection of Lois Road and Nedra Street from a 4 way stop to a 2 way stop on Nedra Street. Also convert the intersection of McComb Road and Charlemagne Street from a 4 way stop to a 2-way stop on Charlamagne Street. The intersections do not meet the multi-way stop warrant and vehicles could be choosing to ignore the stop signs due to the low volume of traffic throughout the day.

Intersection Speed Tables

An intersection speed table consists of a vertical deflection with a flat top within the conflict area of an intersection. This encourages drivers to maneuver the intersection at an appropriate speed while being gradual enough to allow emergency vehicles and snow plows to cross. Install intersection speed tables at Lois Road and Nedra Street, and McComb Road and Charlemagne Street.

Speed Humps

Speed humps provide vertical deflection and induce speed reduction along the roadway. The length of the hump is associated with a design speed, with longer humps allowing higher speeds. These would make it more difficult for snow plows to travel along the roadway, but the hump should be installed as a gradual vertical deflection, so the plow can slowly maneuver over it. A



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Speed Hump warning signs with an advisory speed plaque equal to or less than the posted speed limit should be used to warn drivers of the vertical deflection.

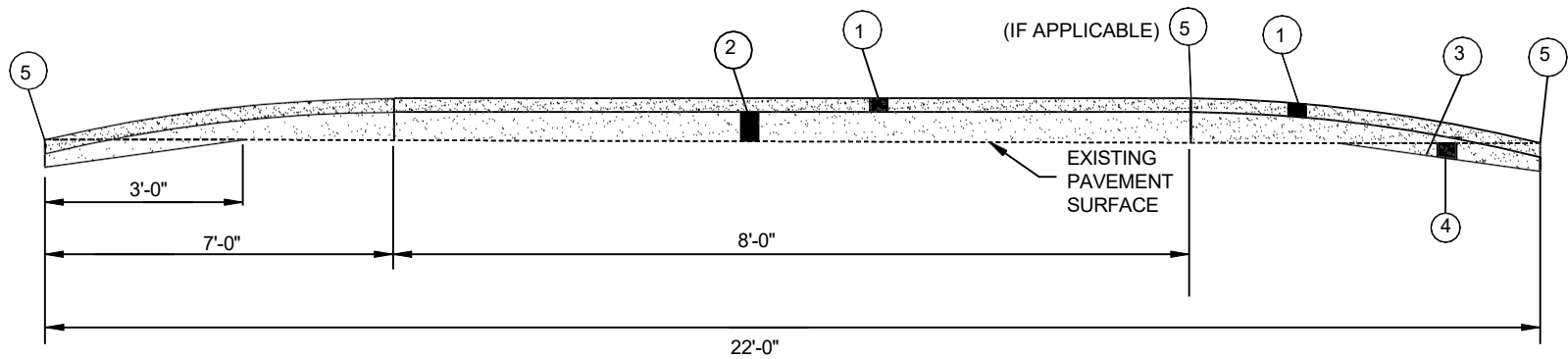
Speed humps are proposed to be installed at the following locations:

- Hyde Road
 - o 390' east of Nedra Street,
 - o 780' east of Nedra Street,
 - o 285' east of Lois Drive

- McComb Road
 - o 135' north of Charlamagne Street
 - o 200' north of Chateau Street

- Nedra Street
 - o 495' west of McComb Road
 - o 350' west of Lois Drive

- Charlamagne Street
 - o 350' west of McComb Road
 - o 125' east of Lois Drive

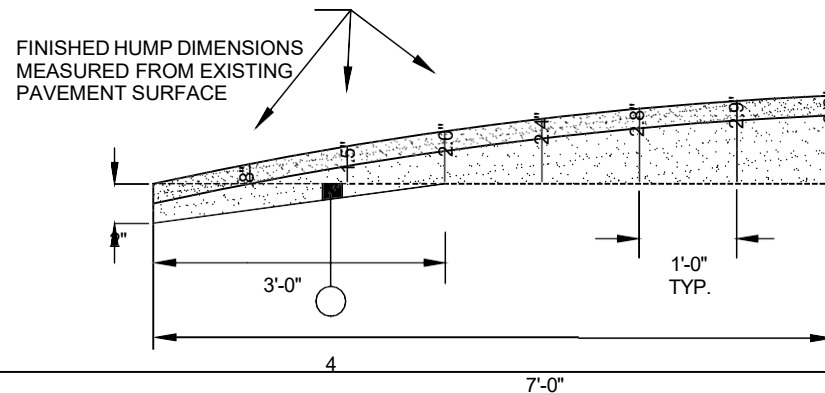


- 1 ITEM 441 - 1 1/2" ASPHALT CONCRETE, SURFACE COURSE (TYPE 1), PG64-22
- 2 ITEM 441 - VAR. ASPHALT CONCRETE, INTERMEDIATE COURSE (TYPE 2), PG64-22
- 3 ITEM 407 - TACK COAT
- 4 ASPHALT REMOVED
- 5 ITEM 423 - CRACK SEALING, TYPE I

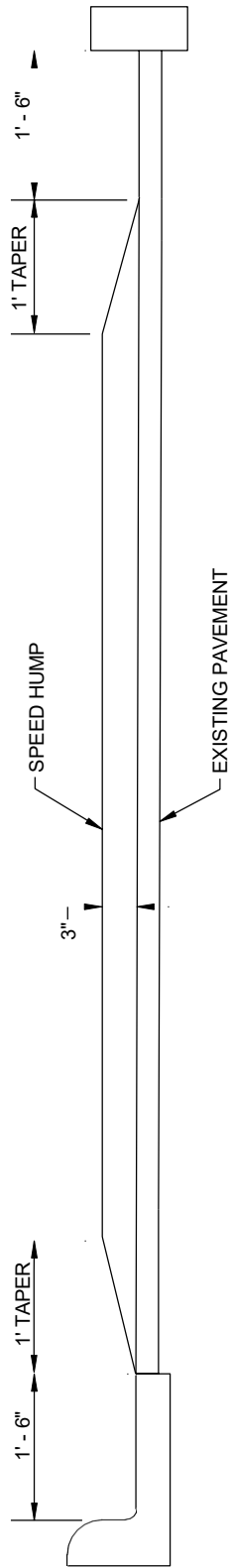
THE TEMPERATURE FOR ITEM 441 - ASPHALT CONCRETE, INTERMEDIATE COURSE SHALL BE < 150° F BEFORE ITEM 441 - ASPHALT CONCRETE, SURFACE COURSE CAN BE PLACED.

ITEM SPECIAL: 22' SPEED HUMP (EACH)

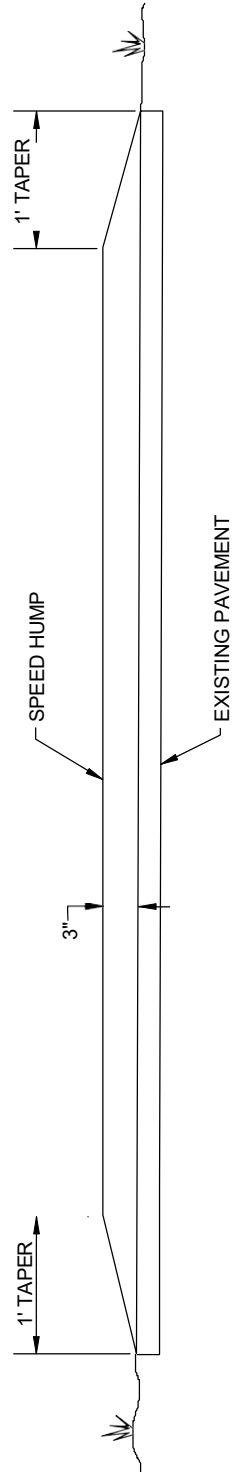
TOLERANCES (@ CREST) -1/4" TO +1/2"



<p>22' SPEED HUMP</p> <p>CROSS - SECTION</p>	<p>CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC SERVICE DIVISION OF DESIGN AND CONSTRUCTION</p>
<p>STD DWG</p> <p>2335</p> <p>4/30/2018</p> <p>SHT 2 OF 3</p>	



CURB & GUTTER OR STRAIGHT CURB



UNCURBED

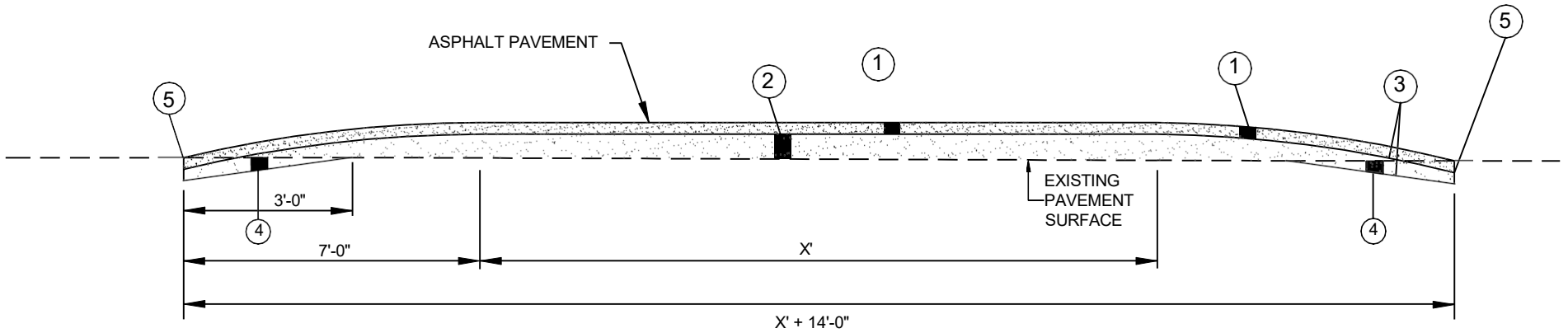
ROADWAY CROSS - SECTION

SPEED HUMP

NOTE: DRAWING DOES NOT SHOW REQUIRED ASPHALT REMOVAL. REFER TO SHEETS 1 OF 3 AND 2 OF 3.

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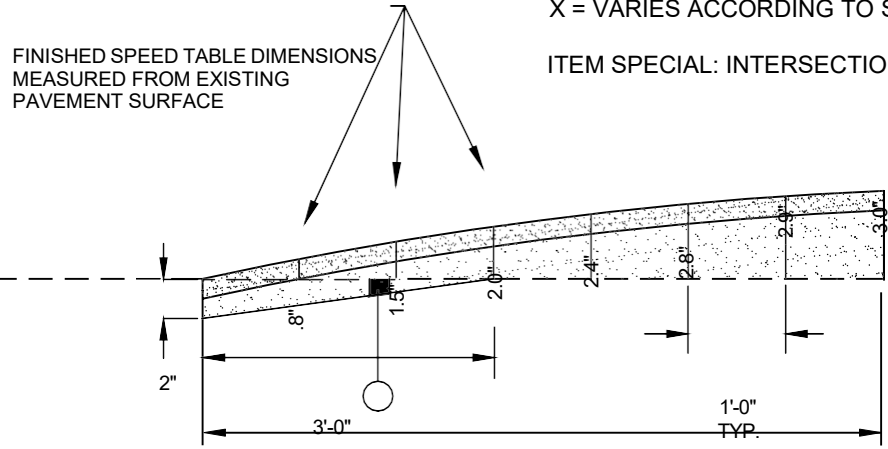
- 1 ITEM 441 - 1 1/2" ASPHALT CONCRETE, SURFACE COURSE (TYPE 1), PG64-22
- 2 ITEM 441 - VAR. ASPHALT CONCRETE, INTERMEDIATE COURSE (TYPE 2)
- 3 ITEM 407 - TACK COAT
- 4 BUTT JOINT
- 5 WORK SPECIFIED UNDER ITEM 423 - CRACK SEALING, TYPE I

THE TEMPERATURE FOR ITEM 441 - ASPHALT CONCRETE, INTERMEDIATE COURSE SHALL BE < 150° F BEFORE ITEM 441 - ASPHALT CONCRETE, SURFACE COURSE CAN BE PLACED.


X = VARIES ACCORDING TO STREET WIDTH.

ITEM SPECIAL: INTERSECTION SPEED TABLE (EACH)

CROSS - SECTION

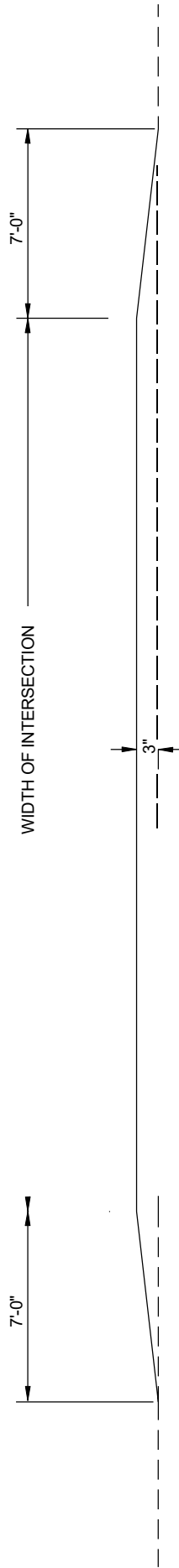


INTERSECTION SPEED TABLE

CITY ENGINEER	 CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC SERVICE DIVISION OF DESIGN AND CONSTRUCTION	STD DWG 2337

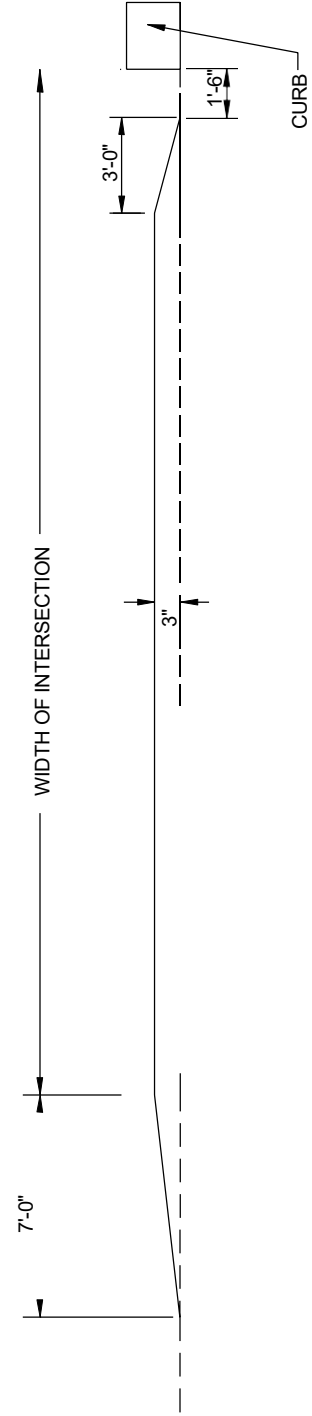
4

7'-0"



FOUR - LEG INTERSECTION

FAO
B
O
O



THREE - LEG INTERSECTION

ROADWAY CROSS - SECTION

INTERSECTION
SPEED TABLE

CITY OF COLUMBUS, OHIO
DEPARTMENT OF PUBLIC SERVICE
DIVISION OF DESIGN AND CONSTRUCTION

STD DWG

2337

07/01/2021

SHT 2 OF 2