

Speed (mph)	Buffer Space (ft.)	Taper Length (12' Lateral Transition)		Notes (Merge)
		Dist. (ft.)	L (ft.)	
25	155	125		L = WS <sup>1</sup> L = WS
30	200	180		
35	250	245		
40	305	320		
45	360	410		
50	425	510		
55	495	630		L = WS
60	570	770		
65	645	930		
70	730	1110		

Speed (mph)	Max. Distance Between Devices (ft.)		Cones or Tubular Markers	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed	A	B	C
40 mph or less	200	200	200
45 mph	350	350	350
50 mph	500	500	500
*55 mph or greater	2640	1640	1000

**GENERAL NOTES**

1. Work operations shall be confined to one traffic lane, leaving the adjacent lane open to traffic.
2. On undivided highways the median signs as shown are to be omitted.
3. When work is performed in the median lane on divided highways, the channelizing device plan is inverted and left lane closed and lane ends signs substituted for the right lane closed and lane end signs.

**DURATION NOTES**

1. Temporary white edgeline may be omitted for work operations less than 3 consecutive calendar days.
2. For work operations up to approximately 15 minutes, signs, channelizing devices, arrow board, and buffer space may be omitted if all of the following conditions are met:
  - a. Speed limit is 45 mph or less.
  - b. No sight obstructions to vehicles approaching the work area for a distance equal to the buffer space and the taper length combined.
  - c. Volume and complexity of the roadway has been considered.
  - d. The closed lane is occupied by a class 5 or larger, medium duty truck(s) with a minimum gross weight vehicle rating (GWVR) of 16,001 lb with high-intensity, rotating, flashing, oscillating, or strobe lights mounted above the cab height and operating.
3. For work operations up to 60 minutes, arrow board and buffer space may be omitted if conditions a, b, and c in DURATION NOTE 2 are met, and vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**SYMBOLS**

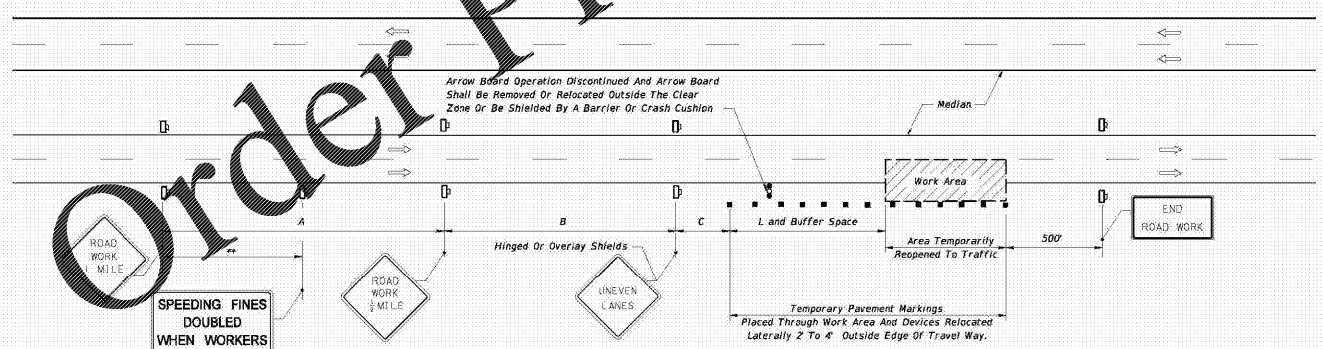
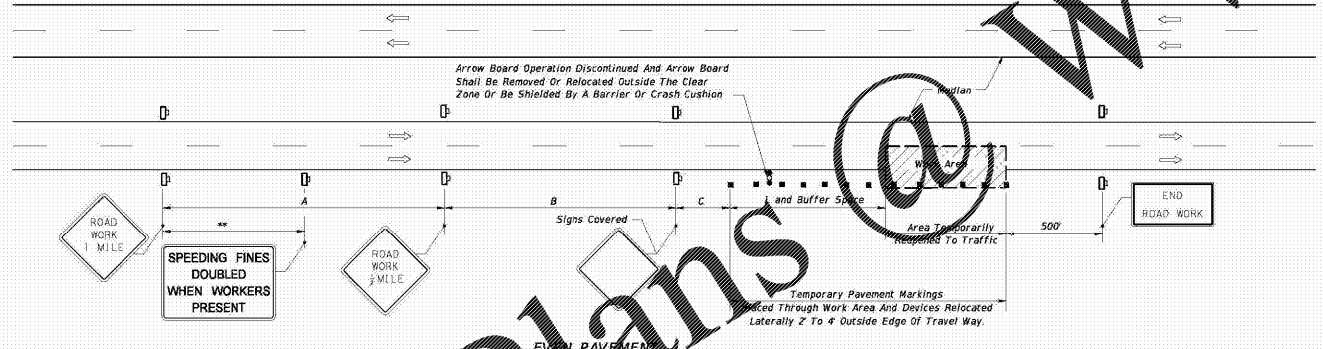
Work Area  
 Channelizing Device (See Index 102-600)  
 Work Zone Sign  
 Advance Warning Arrow Board

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRACH ON THE LANE ADJACENT TO EITHER SHOULDERS AND THE AREA 2' OUTSIDE THE EDGE OF TRAVEL WAY:

LAST REVISION 11/01/17	DESCRIPTION	FY 2018-19 STANDARD PLANS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX 102-613	SHEET 1 of 2
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INDEX 102-613 TRAFFIC CONTROL  
N.T.S.



INTERMITTENT WORK STOPPAGE - LANE REOPENED TO TRAFFIC

LAST REVISION 11/01/17	DESCRIPTION	FY 2018-19 STANDARD PLANS	MULTILANE, WORK WITHIN TRAVEL WAY MEDIAN OR OUTSIDE LANE	INDEX 102-613	SHEET 2 of 2
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BID SET  
7-1-2019

**HOUGH ENGINEERING, INC.**  
**CONSULTING ENGINEERS**  
 1771 MANATEE AVE. W., BRADENTON FLORIDA 34205  
 PHONE : (941) 747-4839 · FAX : (941) 747-4072

---

DATE: \_\_\_\_\_

DESCRIPTION: \_\_\_\_\_

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NOISIAEIR

DATE	7/1/2019	PROJECT NO.	SEP-01
DRAWN	JLR	CHECKED	JLR
DESIGNED	JLR	IN CHARGE	JLR
SCALE	AS SHOWN	SCALE	AS SHOWN

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**7-ELEVEN, PARRISH**  
 Driveway Connection Permit  
 Right Turn Lane  
 Paving, Grading & Drainage Details  
 SECTION: 32, TOWNSHIP: 33S, RANGE: 19E  
 MANATEE COUNTY, FLORIDA

---

DATE: \_\_\_\_\_

CERTIFICATE OF AUTHORIZATION #654

SHEET NO. **4C**

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