

TENNESSEE D.O.T.
DESIGN DIVISION
IN
FILE NO. 256

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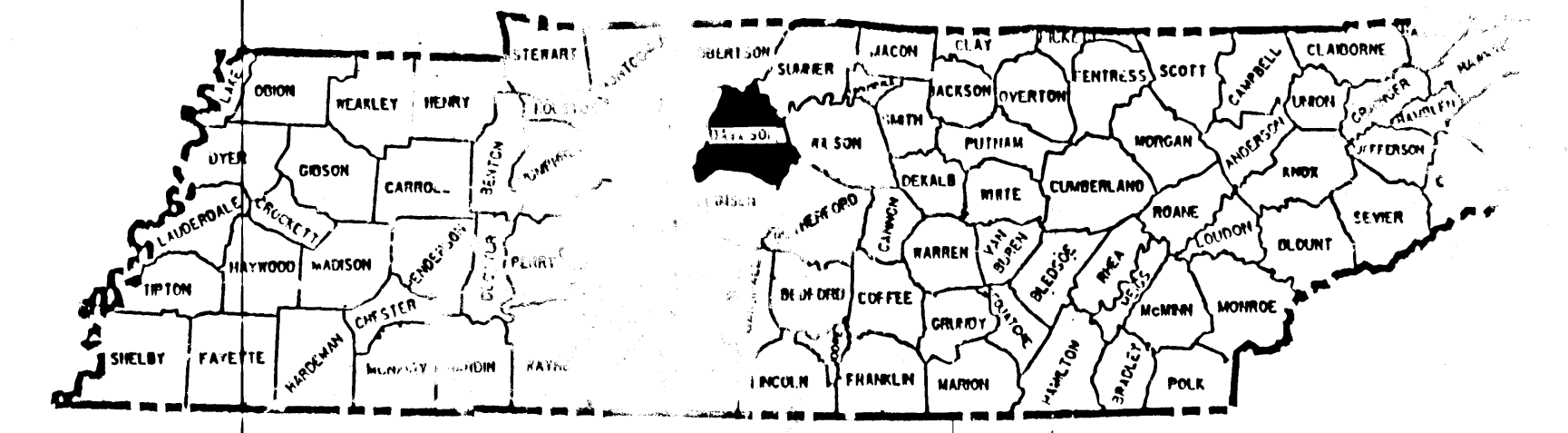
STATE OF TENNESSEE DEPARTMENT OF TRANSPORTATION BUREAU OF PLANNING AND DEVELOPMENT

DAVIDSON COUNTY I-440 PARKWAY JOINT SEALING AND SLAB REPAIR

CONST.

STATE HIGHWAY NO. I440 F.A.H.S. NO. I440

| | |
|--------------------|-------------------|
| TENN. | YEAR |
| | 1997 |
| FED. AID PROJ. NO. | IME-440-4(66) 205 |
| STATE PROJ. NO. | 19014-3132-44 |



BEGIN PROJ. NO. 19014-3132-44 (CONST.)
LOG MILE 0+00

END PROJ. NO. 19014-3132-44 (CONST.)
LOG MILE 7.01 (11.281 km)

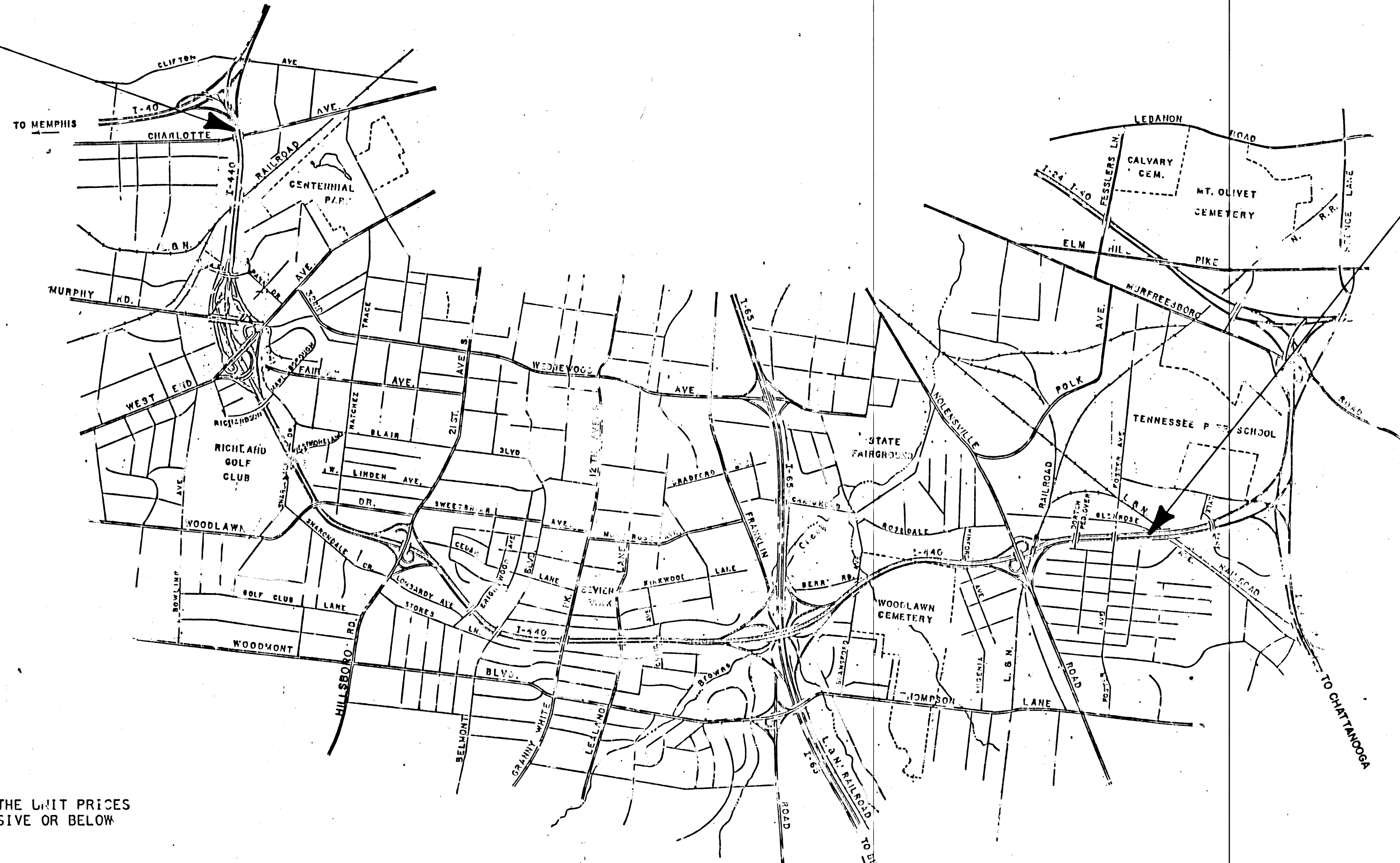
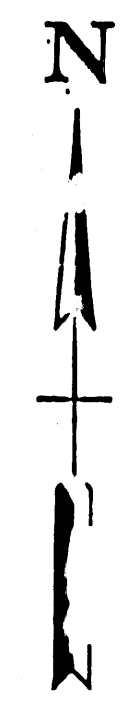


TABLE OF EXCLUSIONS (BRIDGES)

| | |
|-----------------------------------|----------|
| CHARLOTTE AVENUE | 0.058 km |
| CSX RAILROAD | 0.089 km |
| LELAND LANE | 0.012 km |
| FRANKLIN ROAD, I65 & CSX RAILROAD | 0.313 km |
| BRANSFORD AVENUE | 0.052 km |
| TOTAL | 0.524 km |

June 97 dett



SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 1995 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TOT ROAD SP. SV. 2 JERRY G. HUGHES SR
DESIGNER HOSSIE AGHLI
P.E. NO. 98034-4142-04

ROADWAY LENGTH 10.757 km
* BRIDGE 0.524 km
PROJECT LENGTH 11.281 km
* NOT INCLUDED IN PROJECT LENGTH

APPROVED: *Paul R. Hughes*
DATE: _____
APPROVED: *Ben S. ...*
DATE: _____

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION
APPROVED: _____
DIVISION ADMINISTRATOR DATE



GENERAL NOTES

MISCELLANEOUS

THE CONTRACTOR WILL NOT BE PERMITTED TO PARK ANY VEHICLES OR CONSTRUCTION EQUIPMENT DURING NON-WORK HOURS OR PERIODS OF INACTIVITY WITHIN NINE (9) METERS OF THE EDGE OF PAVEMENT WHEN THE LANE IS OPEN TO TRAFFIC, UNLESS PROTECTED BY GUARDRAIL, BRIDGE RAIL, AND/OR BARRIERS INSTALLED FOR OTHER PURPOSES. PRIVATELY OWNED VEHICLES SHALL NOT BE ALLOWED TO BE PARKED WITHIN NINE (9) METERS OF AN OPEN TRAFFIC LANE AT ANY TIME UNLESS PROTECTED AS DESCRIBED ABOVE.

PAVEMENT MARKINGS

PERMANENT PAVEMENT LINE MARKINGS SHALL BE REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAYS WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716M05.01, PAINTED PAVEMENT MARKING (LINE) PER LINEAR km.

SPECIAL NOTES

REMOVAL OF RAISED PAVEMENT MARKERS:

- ① ANY RAISED PAVEMENT MARKERS TO BE REMOVED FOR SLAB REPLACEMENT OR GRINDING WILL BE REPLACED AT EXISTING DEPRESSED SLOTS.

DAMAGE TO EXISTING STRUCTURES:

- ① ANY DAMAGE CAUSED BY THE CONTRACTOR TO MANHOLE COVERS, CATCHBASIN GRATES, GUARDRAILS, LUMINAIRE SUPPORTS, ETC. SHALL BE REPAIRED OR REPLACED AT HIS EXPENSE.

CONCRETE PAVEMENT REPLACEMENT:

- ① CONCRETE PAVEMENT REPLACEMENT (ITEM NO. 502M03.10) WAS ESTIMATED BASED ON FIELD OBSERVATIONS. QUANTITY TO BE ADJUSTED AS NECESSARY BY ENGINEER.
- ② THE CONTRACTOR SHALL SUPPLY AN AMPLE AMOUNT OF 19 mm STEEL PLATES WITH A MECHANISM FOR SECURING TO THE EXISTING ROADWAY SURFACE TO INSURE THE REOPENING OF TRAFFIC LANES AT THE SPECIFIED TIME. COST IS TO BE INCLUDED IN OTHER ITEMS OF CONSTRUCTION.

GRINDING OF SHOULDERS:

- ① SHOULDERS ON THE LOW SIDE OF LANES AND IN SUPERELEVATED WILL BE GROUND TO DRAIN. NO GRINDING WILL BE DONE PAST THE NOSE OF THE GORE IN RAMP AREAS.
- ② GRINDING TO BE DONE IN LOCATIONS AS SPECIFIED BY THE ENGINEER. THESE SECTIONS SHALL BE A MINIMUM OF 152.4 m IN LENGTH.

WORK TIME RESTRICTIONS:

- ① NO LANE CLOSURES WILL BE ALLOWED BETWEEN 6 a. m. AND 7 p. m. MONDAY-FRIDAY.
- ② WORK WHICH REQUIRES LANE CLOSURES SHALL BE PERFORMED BETWEEN 7 p. m. AND 6 p. m. MONDAY-FRIDAY, OR ON NON-HOLIDAY WEEKENDS. ONE LANE SHALL BE KEPT OPEN IN EACH DIRECTION DURING WORK HOURS.

TEMPORARY PAVEMENT LINE

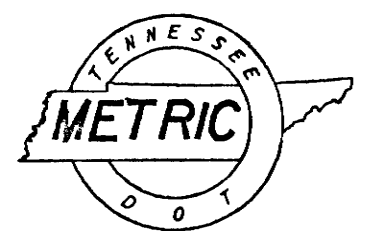
- ① TEMPORARY PAVEMENT LINE MARKINGS ON INTERMEDIATE LAYERS OF PAVEMENT SHALL BE REFLECTIVE TAPE OR REFLECTORIZED PAINT INSTALLED TO PERMANENT STANDARDS AT THE END OF EACH DAY'S WORK. SHORT UNMARKED SECTIONS SHALL NOT BE ALLOWED. THESE MARKINGS WILL BE MEASURED AND PAID FOR UNDER ITEM NO. 716M05.01, PAINTED MARKING (LINE) PER KILOMETER.

| GRINDING LIMITS - I440 | | | |
|------------------------|---------|-----------|---------|
| EASTBOUND | | WESTBOUND | |
| FROM L.M. | TO L.M. | FROM L.M. | TO L.M. |
| 0.0 | 0.7 | 0.0 | 0.9 |
| 1.8 | 2.3 | 2.4 | 2.6 |
| 3.8 | 4.1 | 4.2 | 5.2 |
| 4.4 | 4.7 | 6.8 | 7.3 |
| 5.0 | 5.2 | | |
| 6.4 | 6.8 | | |

ALL OF THESE SECTIONS SHOULD BE GROUND ACROSS ALL THREE LANES (ON THE RESPECTIVE SIDE). THESE LIMITS MAY BE ADJUSTED IN THE FIELD, IF NECESSARY. THE TOTAL OF ALL THE SECTIONS IS 100,000 m² ±. NO GRINDING ON BRIDGE DECKS OR APPROACH SLABS IS INTENDED UNDER THIS PROJECT UNLESS SPECIFIED BY THE BRIDGE REPAIR OFFICE, IN WRITING.

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|------------------|-----------|
| CONST. | 1997 | IME-440-4(66)205 | 2 |
| | | | |
| | | | |

REV. 5-27-97: REVISED NOTES FOR WORK TIME RESTRICTIONS.
 REV. 6-4-97: ADDED GRINDING LIMITS TABLE & NOTE.
 REV. 6-6-97: DELETED SPECIAL NOTE REMOVAL OF PAVEMENT AT BRIDGE ENDS.



COORDINATE VALUES ARE NAD/83(1990) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00 & TIED TO THE CURR.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT

GENERAL NOTES
 AND
 SPECIAL NOTES



TRAFFIC CONTROL NOTES

THE CONSTRUCTION SIGNING PLAN IS TO SERVE AS A GUIDE ONLY. OTHER SIGNS MAY BE REQUIRED DURING VARIOUS PHASES OF CONSTRUCTION.


THE TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF INSTALLING TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE CURRENT EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".

IF ADDITIONAL SIGNS ARE DEEMED NECESSARY BY THE ENGINEER, THEY SHALL BE FURNISHED AND INSTALLED AT THE UNIT PRICE BID FOR ITEM 712M06, SIGNS (CONSTRUCTION).

ALL WORK ON THIS PROJECT SHALL BE DONE AS DIRECTED BY THE ENGINEER.

FOR LANE CLOSURE SEE SPECIAL NOTES, SHEET NO. 2

TRAFFIC CONTROL SIGNS

| TYPE | DESCRIPTION | SIZE | NO. REOD. | ITEM NO. 712M02 |
|--------------|---|---------------|-----------|-----------------|
| G20-2 | END ROAD WORK | 1.5 m x 0.6 m | 4 | 3.6 |
| * W1-4 | LANE SHIFT (SYMBOL) (WORD MESSAGE) | 1.2 m x 1.2 m | 8 | 11.52 |
| W4-2 | LANE MERGER (LEFT) (RIGHT) | 0.9 m x 0.9 m | 8 | 6.62 |
| * W6-1 (MOD) |  | 0.9 m x 0.9 m | 4 | 3.32 |
| * W12-1 | DOUBLE ARROW | 1.2 m x 1.2 m | 4 | 5.76 |
| W13-1 | 45 M. P. H. | 0.6 m x 0.6 m | 4 | 1.44 |
| * W20-1 | ROAD WORK (1 MILE) (1/2 MILE) | 1.2 m x 1.2 m | 8 | 11.52 |
| W20-1 | ROAD WORK (1500 FT) (1000 FT.) | 1.2 m x 1.2 m | 8 | 11.52 |
| * W20-1 | ROAD WORK AHEAD | 1.2 m x 1.2 m | 4 | 5.76 |
| * W20-5 | LANE CLOSED 1/2 MILE (LT.) (RT.) | 1.2 m x 1.2 m | 8 | 11.52 |
| W20-5 | LANE CLOSED 1500 FT. (LT.) (RT.) | 1.2 m x 1.2 m | 8 | 11.52 |
| W20-5 | LANE CLOSED 1000 FT. (LT.) (RT.) | 1.2 m x 1.2 m | 8 | 11.52 |
| W20-7a | FLAGMAN AHEAD (SYMBOL) | 0.9 m x 0.9 m | 4 | 3.32 |
| TOTAL | | | | 98.94 |

* TYPE "A" WARNING LIGHTS SHALL BE MOUNTED ON THESE SIGNS

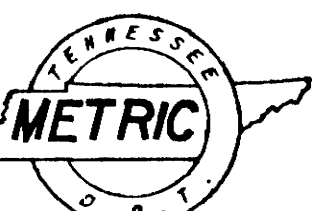
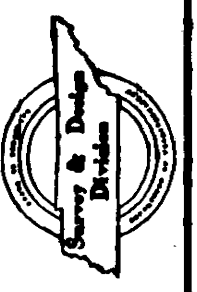
TRAFFIC CONTROL QUANTITIES

| ITEM NO. | DESCRIPTION | UNIT | QUANTITY |
|-------------------|------------------------------|----------------|----------|
| (A) 712M04.01 | FLEXIBLE DRUM (CHANNELIZING) | EACH | 120 |
| (A) 712M05.01 | WARNING LIGHTS (TYPE "A") | EACH | 32 |
| (A) (B) 712M05.03 | WARNING LIGHTS (TYPE "C") | m | 60 |
| 712M06 | SIGNS (CONSTRUCTION) | m ² | 99 |

(A) QUANTITY MAY BE ADJUSTED AS DIRECTED BY THE ENGINEER.

(B) TO BE MOUNTED ON DRUMS IN INTERCHANGE AREAS AS ENGINEER DEEMS NECESSARY.

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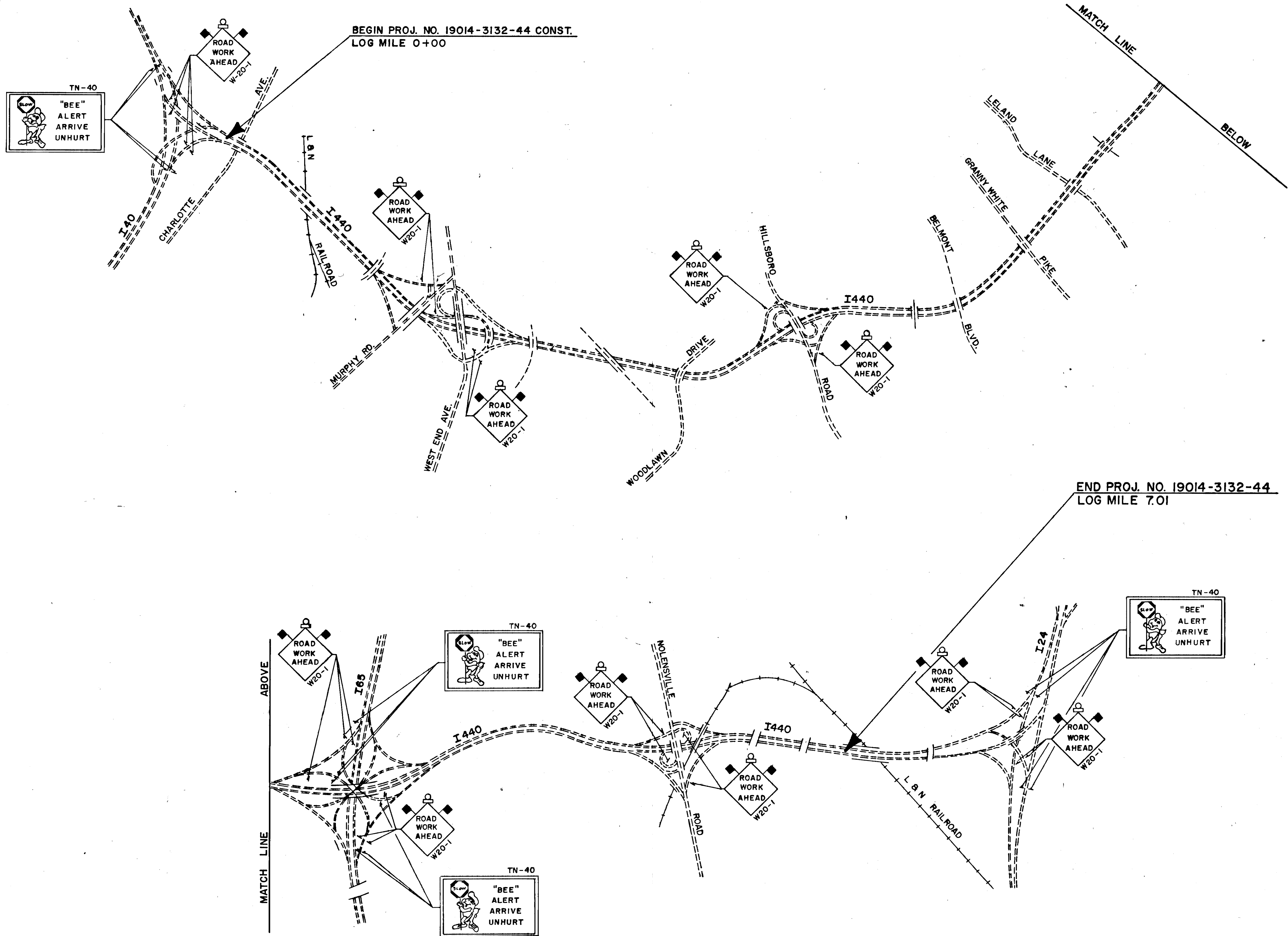
COORDINATE VALUES ARE NAD(83)(1990) AND ARE DATUM ADJUSTED BY THE FACTOR 1.00 & TIED TO THE TCRN.

STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT

TRAFFIC CONTROL NOTES

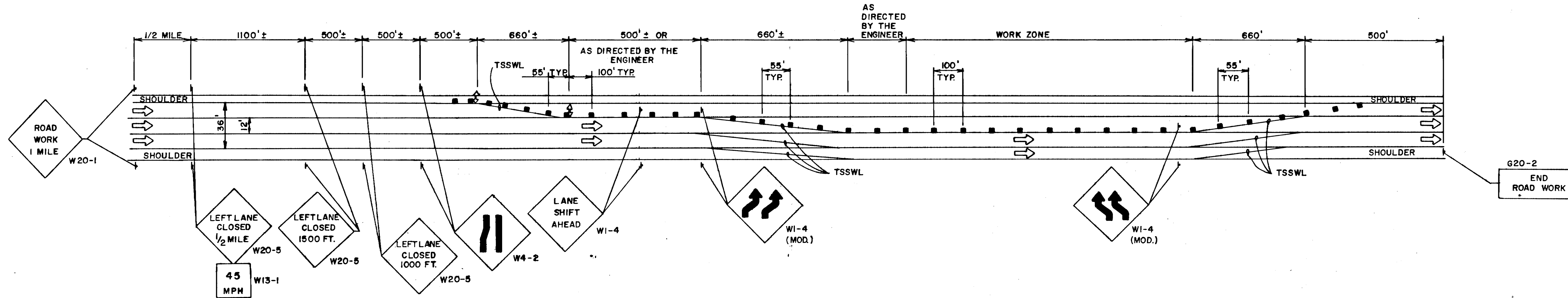
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| CONST. | 1997 | ME-440-4(66)205 | 4 |
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REVISIONS
 256
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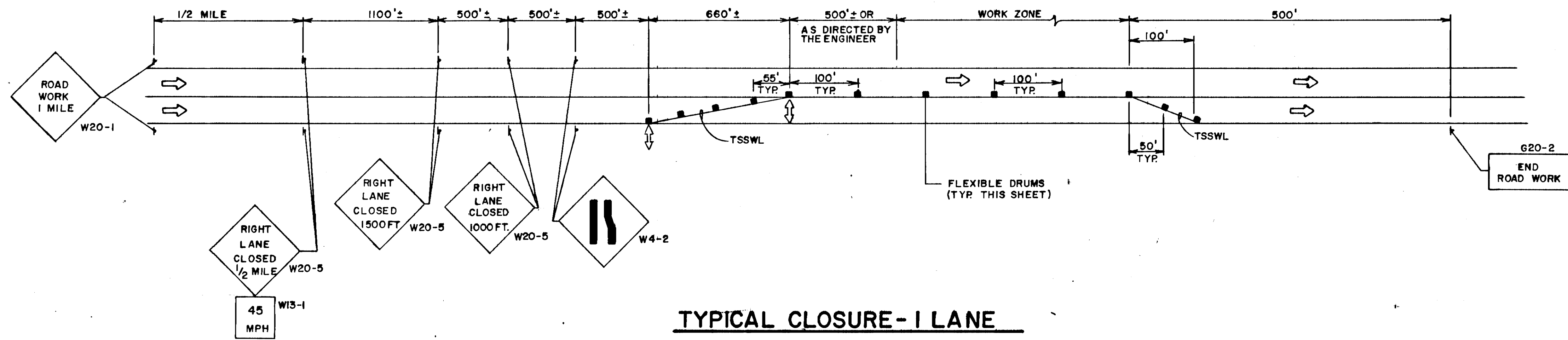


STATE OF TENNESSEE
 DEPARTMENT OF TRANSPORTATION
 BUREAU OF PLANNING & DEVELOPMENT
**ADVANCE
 WARNING
 PLAN**
 NOT TO SCALE

| TYPE | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-----------------|-----------|
| CONST. | 1997 | ME-440-4(66)205 | 4A |
| | | | |
| | | | |



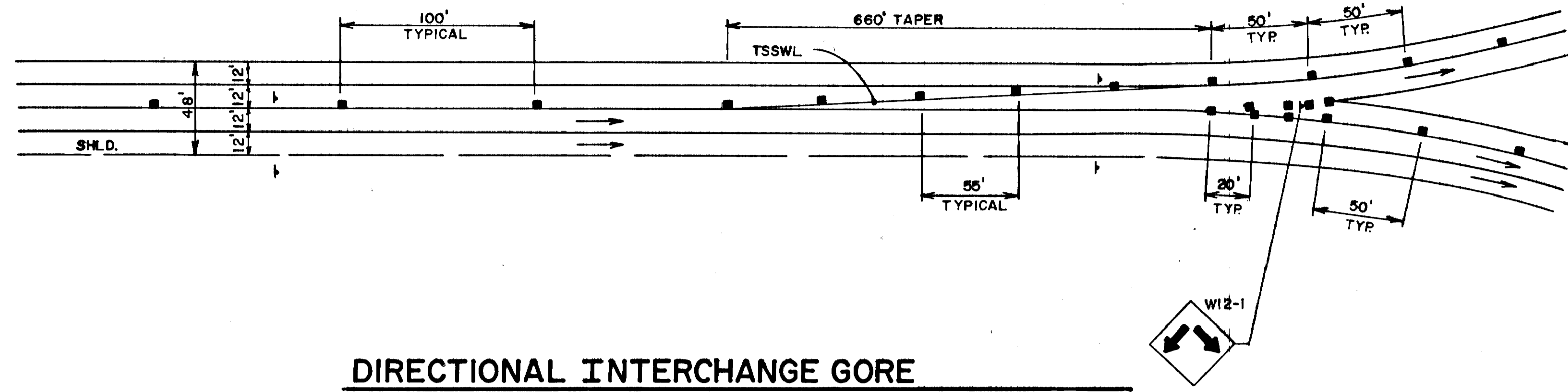
TYPICAL CLOSURE-LEFT & CENTER LANES



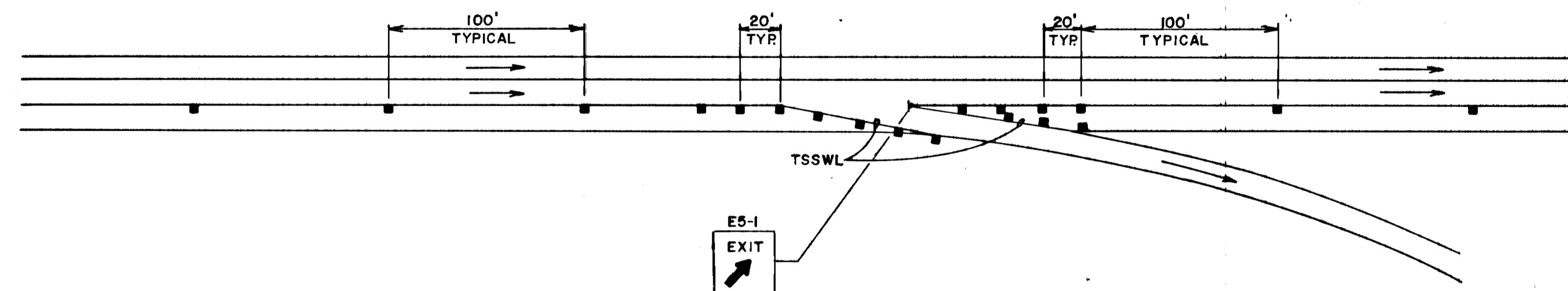
TYPICAL CLOSURE-1 LANE

DESIGN BY
256

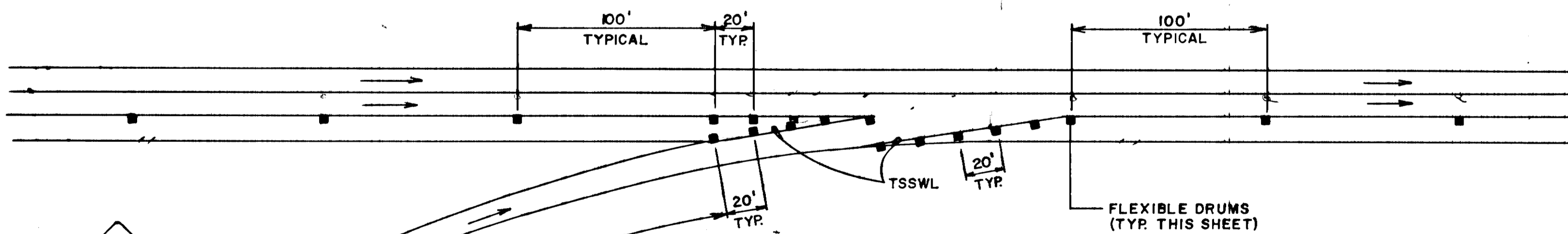
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|--------|------|------------------|-----------|
| CONST. | 1997 | IME-440-4(66)205 | 48 |
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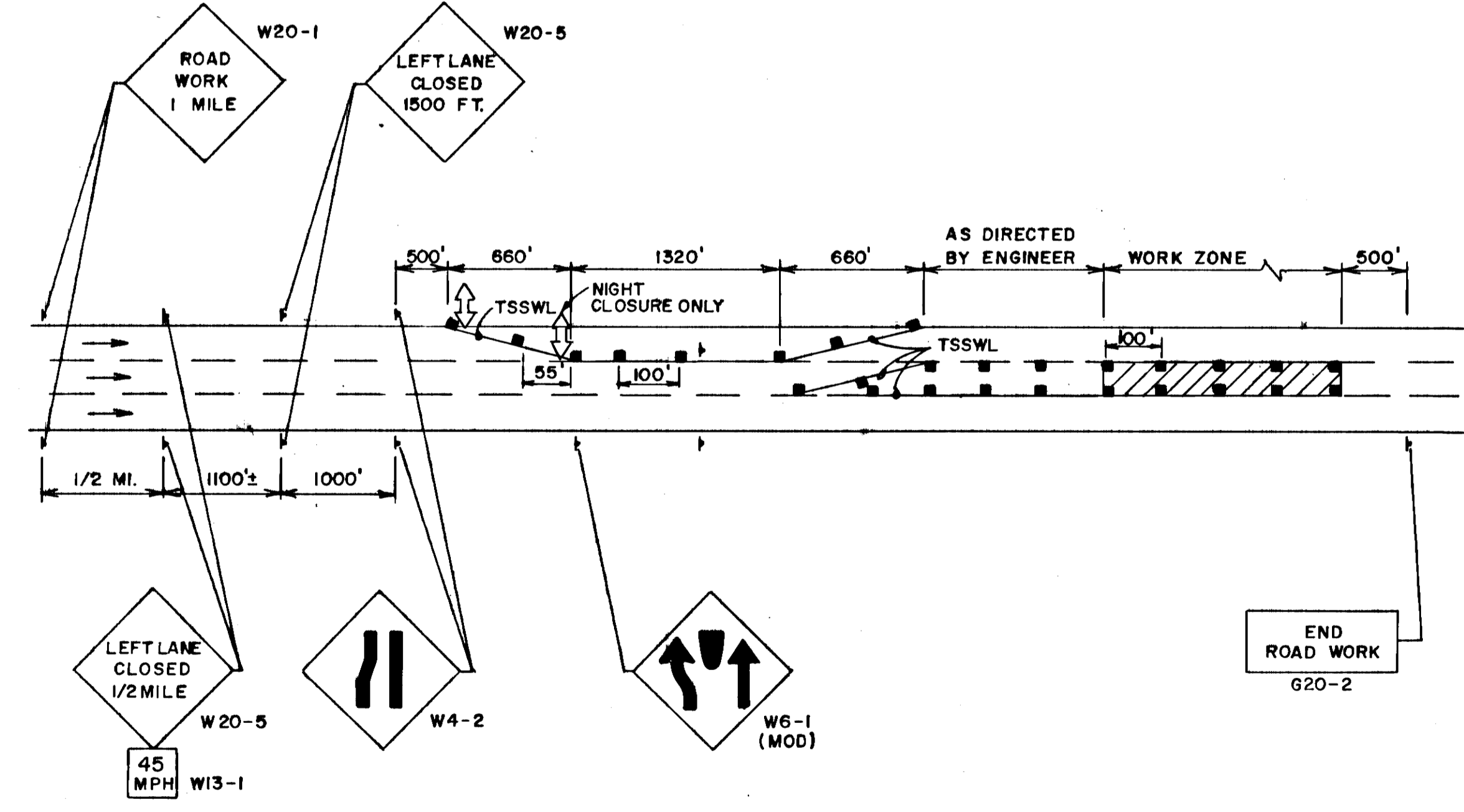
DIRECTIONAL INTERCHANGE GORE



RIGHT LANE CLOSED-EXIT RAMP



RIGHT LANE CLOSED-ENTRANCE RAMP



CENTER LANE CLOSED