

LOCAL/RESIDENTIAL

- | $d = 13\frac{1}{2}"$ | | $d = 9\frac{1}{2}"$ | | $d = 10"$ | |
|----------------------|---------------------------------|---------------------|-----------------------------|-----------|---------------------------------|
| ① | 1½" HMA Surface, 9.5mm | ① | 1½" HMA Surface, 9.5mm | ① | 6" Concrete |
| ② | 4" HMA Intermediate, 19.0mm | ② | 3" HMA Intermediate, 19.0mm | ② | 4" Compacted Aggregate Base #53 |
| ③ | 8" Compacted Aggregate Base #53 | ③ | 5" HMA Base, 25.0mm | | |

MAJOR COLLECTOR

- | $d = 16\frac{1}{2}"$ | | $d = 14\frac{1}{2}"$ | | $d = 18"$ | |
|----------------------|---------------------------------|----------------------|------------------------------|-----------|--|
| ① | 1½" HMA Surface, 9.5mm | ① | 1½" HMA Surface, 9.5mm | ① | 9" Concrete |
| ② | 3" HMA Intermediate, 19.0mm | ② | 3" HMA Intermediate, 19.0mm | ② | 3" Coarse Aggregate #8 Over
6" Coarse Aggregate #53 |
| ③ | 4" HMA Base, 25.0mm | ③ | 4" HMA Base, 25.0mm | | |
| ④ | 2" HMA Intermediate, C19.0mm | ④ | 2" HMA Intermediate, C19.0mm | | |
| ⑤ | 6" Compacted Aggregate Base #53 | ⑤ | 4" HMA Base, 25.0mm | | |

PRIMARY ARTERIAL/SECONDARY ARTERIAL/COMMERCIAL COLLECTOR

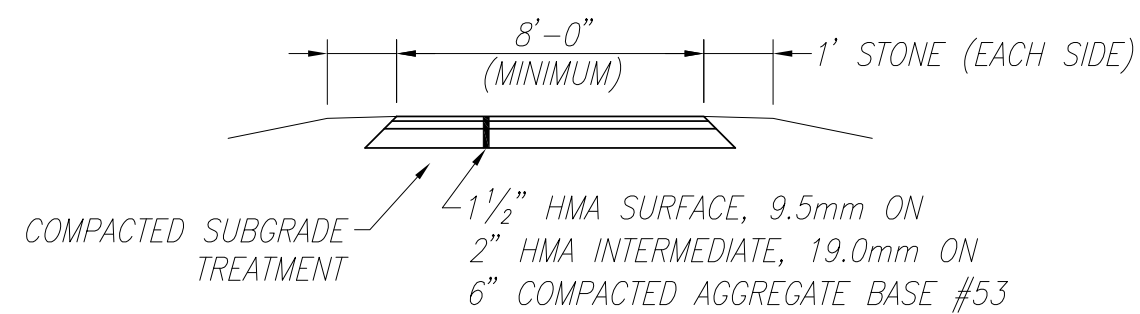
- | $d = 19\frac{1}{2}"$ | | $d = 16\frac{1}{2}"$ | | $d = 19"$ | |
|----------------------|---------------------------------|----------------------|------------------------------|-----------|--|
| ① | 1½" HMA Surface, 9.5mm | ① | 1½" HMA Surface, 9.5mm | ① | 10" Concrete |
| ② | 3" HMA Intermediate, 19.0mm | ② | 3" HMA Intermediate, 19.0mm | ② | 3" Coarse Aggregate #8 Over
6" Coarse Aggregate #53 |
| ③ | 4" HMA Base, 25.0mm | ③ | 4" HMA Base, 25.0mm | | |
| ④ | 2" HMA Intermediate, C19.0mm | ④ | 2" HMA Intermediate, C19.0mm | | |
| ⑤ | 3" HMA Base, 25.0mm | ⑤ | 6" HMA Base, 25.0mm | | |
| ⑥ | 6" Compacted Aggregate Base #53 | | | | |

PAVEMENT CONSTRUCTION

SCALE: NONE

GENERAL NOTES:

- THE RIGHT-OF-WAY WIDTHS, PAVEMENT WIDTHS AND EASEMENT WIDTHS INDICATED ON THIS SHEET ARE MINIMUM DIMENSIONS REQUIRED BY THE TOWN OF CICERO. GREATER WIDTHS MAY BE PROVIDED. THE CONTRACTOR SHALL REVIEW THE PLOT AND THE PLANS TO CONFIRM THE VARIOUS WIDTH INDICATED ON THIS SHEET AND SHALL REPORT ANY DISCREPANCY TO THE TOWN OF CICERO PRIOR TO PROCEEDING WITH CONSTRUCTION.
2. WHERE NEW SIDEWALK CONNECTS TO EXISTING SIDEWALK, THE WIDTH OF NEW SIDEWALK SHALL MATCH WIDTH OF EXISTING SIDEWALK OR BE A MINIMUM OF 5' WHICHEVER IS GREATER.
3. STANDARD PAVEMENT MARKINGS SHALL BE IN STREETS/ROAD AS SHOWN, IN ACCORDANCE WITH THE MOST RECENT INDIANA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. FOR ASPHALT PAVEMENTS, ALL PAVEMENT MARKINGS TO BE THERMOPLASTIC. FOR CONCRETE PAVEMENTS, ALL PAVEMENT MARKINGS SHALL BE EPOXY. 4" WIDE DASHED WHITE THERMOPLASTIC SHALL BE PLACED TO DENOTE SAME DIRECTION TRAVEL LANES. 4" WIDE DOUBLE YELLOW THERMOPLASTIC SHALL BE PLACED TO DENOTE SEPARATION OF DIRECTIONAL TRAFFIC.
4. ACCELERATION/DECELERATION LANES AND PASSING BLISTERS SHALL BE CONSTRUCTED FOR ALL NEW DEVELOPMENT ENTRANCES, WHICH CONNECT TO A PRIMARY ARTERIAL, MAJOR COLLECTOR, OR INDOT RIGHT-OF-WAY.
5. LOCAL RESIDENTIAL STREETS SHALL HAVE A 150 FEET MINIMUM CENTERLINE RADIUS.
6. FOR ANY DEVELOPMENT, WHICH DIRECTLY ADJOINS A PRIMARY ARTERIAL, SECONDARY ARTERIAL, OR MAJOR COLLECTOR, AS DEPICTED ON THE CICERO THOROUGHFARE PLAN, THE DEVELOPER SHALL CONDUCT THE FOLLOWING FOR SAID ROADWAY(S):
 - a. HIRE AN INDEPENDENT TESTING LABORATORY TO COLLECT PAVEMENT CORE SAMPLES EVERY 400 FEET, BUT NO LESS THAN TWO SAMPLES PER ROADWAY. A WRITTEN SUMMARY, WHICH ILLUSTRATES THE AGGREGATE SUBBASE THICKNESS AND PAVEMENT THICKNESS, SHALL BE SUBMITTED TO THE TOWN OF CICERO.
 - b. DEVELOPER SHALL REPAIR ALL PAVEMENT FAILURES, AS DETERMINED BY THE TOWN OF CICERO.
 - c. DEVELOPER SHALL WIDEN ADJACENT TRAVEL LANE AND SHOULDER, AS SHOWN THIS SHEET.
 - d. DEVELOPER SHALL WIDEN EXISTING CULVERTS AND BRIDGE STRUCTURES WITHIN THE LIMITS OF THE DEVELOPMENT.
 - e. FOLLOWING THE SUCCESSFUL COMPLETION OF WIDENING ADJACENT TRAVEL LANE(S), THE ENTIRE ROADWAY SHALL RECEIVE AN OVERLAY OF 165#/cys. OF H.A.C. SURFACE #11. THE THICKNESS OF THE OVERLAY SHALL BE INCREASED AS REQUIRED TO PRODUCE A MINIMUM TOTAL PAVEMENT THICKNESS OF 6".
 - f. DEVELOPER SHALL ONLY BE RESPONSIBLE FOR IMPROVING EXISTING THOROUGHFARE ROADWAYS, WITHIN THE LIMITS OF THE DEVELOPMENT.
 - g. MINOR ROADWAY DRAINAGE IMPROVEMENTS SHALL BE INCLUDED WITH THE PAVEMENT WIDENING, SUCH AS REGRADING OF DRAINAGE SWALES AND/OR INSTALLATION OF ROADWAY PIPE CULVERTS.
7. THE DEVELOPER SHALL TRY TO OBTAIN TWO ACCESS ENTRANCES FOR ALL DEVELOPMENTS WITH A MULTISECTIONED SUBDIVISION FOR EMERGENCY INGRESS AND EGRESS. THESE ACCESS ENTRANCES APPLY TO ALL RESIDENTIAL AND/OR COMMERCIAL SUBDIVISIONS. ONE ENTRANCE MAY BE IN THE FORM OF A TEMPORARY ENTRANCE THAT IS CONSTRUCTED IN A MANNER TO HANDLE AND SUPPORT LARGE EMERGENCY VEHICLES WHEN NEEDED. THIS ENTRANCE CAN BE MOVED OR REMOVED UPON COMPLETION OF ANY PARTICULAR SECTION WITHIN THE SUBDIVISION THAT PROVIDES TWO PERMANENT ACCESS ENTRANCES. IT IS NOT THE INTENT OF THE TOWN TO MANDATE WHERE ENTRANCES ARE TO BE PLACED. IT IS RATHER TO PROVIDE TEMPORARY EMERGENCY ACCESS WHEN NEEDED. THE LOCATION OF THE TEMPORARY ENTRANCE CAN BE DISCUSSED IN MORE DETAIL AT A T.A.C. MEETING WITH THE TOWN OF CICERO'S FIRE CHIEF AND CHIEF OF POLICE.
8. THE LOCAL RESIDENTIAL STREETS DETAIL MAY BE USED ONLY WHEN LOTS ARE SIZED SUCH THAT RESIDENTIAL DRIVEWAYS CAN ACCOMMODATE FOUR (4) PARKED VEHICLES WITHOUT BLOCKING THE SIDEWALK. IF FOUR (4) PARKED VEHICLES CANNOT BE ACCOMMODATED, RESIDENTIAL STREETS MUST HAVE THE WIDTHS SPECIFIED IN LOCAL COMMERCIAL STREETS DETAIL. A VEHICLE PARKING SPACE IS DEFINED BY A 10'x20' AREA
9. SEE SHEET 16 FOR LIGHTING SPECIFICATION.



NOTE:

1. TOWN MAY REQUIRE INCREASED CROSS-SECTION AND/OR WIDTH OF PATH DEPENDENT ON DESIGNATED USE AND/OR LOCATION.

PEDESTRIAN PATH DETAIL

PAVEMENT CONSTRUCTION:

1. SUBBASE AND SUBGRADE SHALL BE PLACED TO AT LEAST 100 PERCENT OF MAXIMUM DRY DENSITY, IN ACCORDANCE WITH ASHTO T99. COMPACTION TESTS SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY. TEST RESULTS SHALL BE SUBMITTED TO THE TOWN OF CICERO FOR CONSIDERATION OF ACCEPTANCE OF MAINTENANCE BOND. ONE IN-PLACE DENSITY TEST SHALL BE COMPLETED FOR EACH LIFT FOR EVERY 400 LINEAR FEET PER TRAFFIC LANE. COARSE AGGREGATE SHALL NOT BE PLACED WHEN AMBIENT TEMPERATURE IS BELOW 35°F NOR PLACED ON FROZEN SUBBASE OR SUBGRADE.
2. APPLY TACK COAT BETWEEN BINDER AND SURFACE COURSES OF ASPHALT PAVEMENT, IMMEDIATELY PRIOR TO APPLICATION OF SURFACE COARSE. APPLY TACK COAT TO CONTACT SURFACES OF PREVIOUSLY CONSTRUCTED ASPHALT OR CONCRETE AND SURFACES ABUTTING ASPHALT PAVEMENT. TACK COAT SHALL BE DISTRIBUTED AT A RATE OF 0.05 TO 0.15 GALLONS PER SQUARE YARD OF SURFACE AREA, AND IN ACCORDANCE WITH THE MOST RECENT INDOT STANDARD SPECIFICATIONS. APPLICATION OF TACK COAT SHALL ONLY BE PERMITTED WHEN BINDER COARSE IS DRY, FREE OF DEBRIS, AND AMBIENT TEMPERATURE IS 40°F AND RISING.
3. WHEREVER RIGID PAVEMENT IS TO BE USED, THE CONTRACTOR SHALL SUBMIT A DETAILED PAVING PLAN TO THE TOWN OF CICERO. THE PAVING PLAN SHALL ILLUSTRATE THE LOCATION AND TYPE OF JOINTING TO BE USED IN THE CONSTRUCTION. THE LOCATION AND TYPE OF JOINTING SHALL MEET THE REQUIREMENTS OF THE MOST RECENT INDOT STANDARD DETAILS.
4. THE PRIMARY AND SECONDARY ARTERIAL PAVEMENT SECTION THICKNESS SHOWN ARE MINIMUM REQUIREMENTS. CALIFORNIA BEARING RATIO (CBR) TESTS SHALL BE PERFORMED TO VERIFY PAVEMENT THICKNESS DESIGNS. CBR TESTS SHALL BE SUBMITTED TO THE TOWN OF CICERO AS PART OF THE T.A.C. SUBMITTAL.
5. CONCRETE CURBS AND SIDEWALKS SHALL BE CONSTRUCTED IN ACCORDANCE WITH INDOT SPECIFICATIONS, SECTIONS 604 AND 605. CONTROL JOINTS SHALL BE SPACED 10 FEET APART. SAW CUTS OF TOOLED JOINTS SHALL BE UNIFORM, VERTICAL AND NEAT.
6. CONSTRUCT HOT-MIXED ASPHALT SURFACE COURSE WHEN AMBIENT TEMPERATURE IS ABOVE 40°F AND RISING. BINDER AND BASE COURSES SHALL BE PLACED WHEN AMBIENT TEMPERATURE IS ABOVE 30°F AND RISING.
7. FOR COLD-WEATHER CONCRETE PLACEMENT, CONTRACTOR SHALL COMPLY WITH PROVISIONS OF ACI 306R FOR PROTECTION FROM PHYSICAL DAMAGE OR REDUCED STRENGTH. FOR HOT WEATHER CONCRETE PLACEMENT, CONTRACTOR SHALL COMPLY WITH PROVISIONS OF ACI 305R FOR PROTECTION FROM PHYSICAL DAMAGE OR REDUCED STRENGTH, AS ASSOCIATED WITH RAPID MOISTURE LOSS.
8. PROVIDE AIR CONTENT AND CONCRETE SLUMP TEST IN ACCORDANCE WITH ASTM C143 WITH ONE TEST AT POINT OF DISCHARGE FOR EACH DAYS POUR OF EACH TYPE OF CONCRETE; ADDITIONAL TESTS WHEN CONCRETE CONSISTENCY SEEMS TO HAVE CHANGES.
9. PROVIDE ONE SET OF THREE (3) STANDARD CYLINDERS FOR EACH COMPRESSIVE STRENGTH TEST. MOLD AND STORE CYLINDERS FOR LABORATORY CURED TEST SPECIMENS EXCEPT WHEN FIELD-CURED SPECIMENS ARE REQUIRED. ONE SET FOR EACH DAY'S POUR EXCEEDING 5 CU. YD. PLUS ADDITIONAL SETS FOR EACH OVER 50 CU. YD. OVER AND ABOVE THE FIRST 25 CU. YD. OF EACH CONCRETE CLASS PLACED IN ANY ONE DAY; ONE SPECIMEN TESTED AT 7 DAYS, ONE SPECIMEN TESTED AT 28 DAYS, AND ONE SPECIMEN RETAINED IN RESERVE FOR LATER TESTING IF REQUIRED. COMPRESSIVE STRENGTH TESTS IN ACCORDANCE WITH ASTM C39.
10. ALL CONCRETE AND ASPHALT TESTS TO BE PERFORMED BY A TOWN APPROVED INDEPENDENT TESTING LABORATORY.

JUNE 2010

[illegible]

CERTIFIED BY:

Scale:

NONE

Sheet:

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Date:

8/11/09