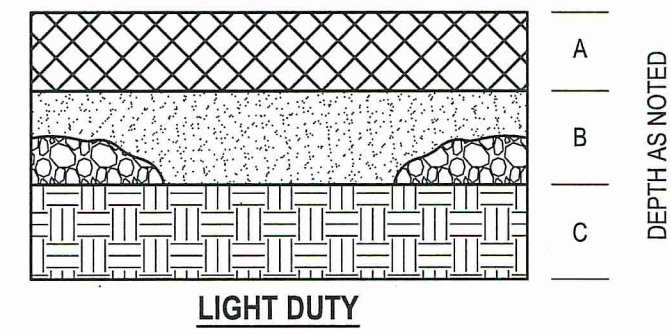


ASPHALTIC PAVEMENT

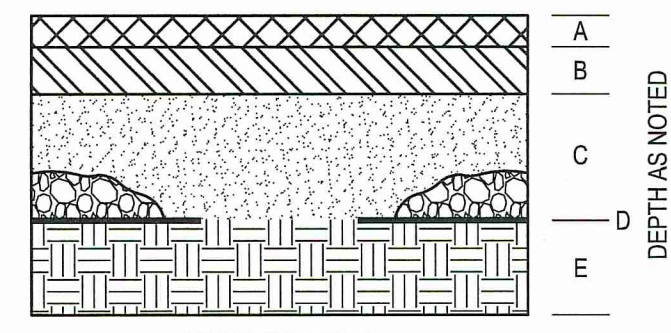
ALL CONCRETE PAVEMENT SECTION DESIGNS ARE FROM THE GEOTECHNICAL INVESTIGATION REPORT AND ADDENDA AS PREPARED BY TERRACON CONSULTANTS, INC., TELEPHONE (228) 283-7050. REFERENCE THIS REPORT FOR COMPLETE DESIGN SPECIFICATION AND DETAILED RECOMMENDATIONS.
 ALL ASPHALT PAVEMENT SECTION DESIGNS ARE FROM THE OWNER'S PAVEMENT CONSULTANT REPORT AND ADDENDA AS PREPARED BY JIM PENNMAN. CONTACT THE CONSULTANT DIRECTLY AT TELEPHONE (404) 368-0052 FOR COMPLETE DESIGN SPECIFICATION AND DETAILED RECOMMENDATIONS FOR THESE DESIGNS.
 RESOURCE CONSULTING DOES NOT PROVIDE SUBGRADE OR PAVEMENT RECOMMENDATIONS AND DESIGNS AS REFERENCING THESE PAVEMENTS AS PROVIDED BY THE OWNER'S THIRD PARTIES. REFERENCE THE ABOVE PROFESSIONAL SERVICE DESIGNERS' AND THEIR DETAILED SPECIFICATIONS RECOMMENDATIONS AND ADDENDA AS PREPARED.



LIGHT DUTY

BASE BID - SOIL

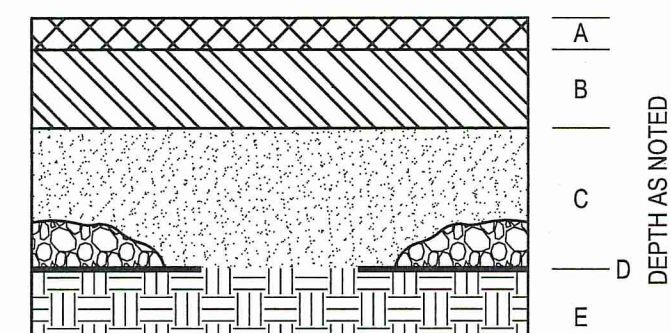
- A. 4.0" 12.5 mm MIXTURE, HT, ASPHALT PAVEMENT, POLYMER MODIFIED, PG 76-22. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". OWNER TO INTRODUCE ARAMID FIBERS INTO THE SURFACE MIXTURE AT THE HOT-MIX ASPHALT PLANT. GENERAL CONTRACTOR TO COORDINATE THIS INSTALLATION WITH ASPHALT SUPPLIER AND LOVE'S PREFERRED ARAMID FIBER SUPPLIER (SITE SUPPLY, INC.)
- B. 6.0" AGGREGATE BASE COURSE SHOULD BE MDOT SIZE NO. 610 STONE OR CRUSHED CONCRETE MATERIAL. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- C. 9.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.



MEDIUM DUTY

BASE BID - GEOGRID

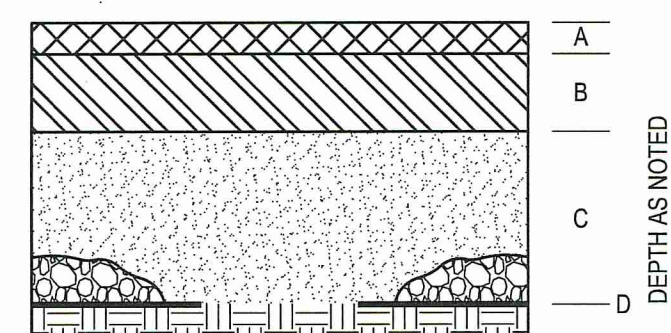
- A. 2.5" 12.5 mm MIXTURE, HT, ASPHALT PAVEMENT, POLYMER MODIFIED, PG 76-22. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". OWNER TO INTRODUCE ARAMID FIBERS INTO THE SURFACE MIXTURE AT THE HOT-MIX ASPHALT PLANT. GENERAL CONTRACTOR TO COORDINATE THIS INSTALLATION WITH ASPHALT SUPPLIER AND LOVE'S PREFERRED ARAMID FIBER SUPPLIER (SITE SUPPLY, INC.)
- B. 2.5" 19 mm MIXTURE, HT, ASPHALT PAVEMENT, PG 67-22. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- C. 6.0" AGGREGATE BASE COURSE SHOULD BE MDOT SIZE NO. 610 STONE OR CRUSHED CONCRETE MATERIAL. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- D. LEGEO BX2525 GEOGRID PLACED ON PREPARED SUBGRADE.
- E. 9.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.



HEAVY DUTY

BASE BID - GEOGRID

- A. 2.5" 12.5 mm MIXTURE, HT, ASPHALT PAVEMENT, POLYMER MODIFIED, PG 76-22. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". OWNER TO INTRODUCE ARAMID FIBERS INTO THE SURFACE MIXTURE AT THE HOT-MIX ASPHALT PLANT. GENERAL CONTRACTOR TO COORDINATE THIS INSTALLATION WITH ASPHALT SUPPLIER AND LOVE'S PREFERRED ARAMID FIBER SUPPLIER (SITE SUPPLY, INC.)
- B. 3.0" 19 mm MIXTURE, HT, ASPHALT PAVEMENT, PG 67-22. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- C. 7.0" AGGREGATE BASE COURSE SHOULD BE MDOT SIZE NO. 610 STONE OR CRUSHED CONCRETE MATERIAL. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- D. LEGEO BX2525 GEOGRID PLACED ON PREPARED SUBGRADE.
- E. 9.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.

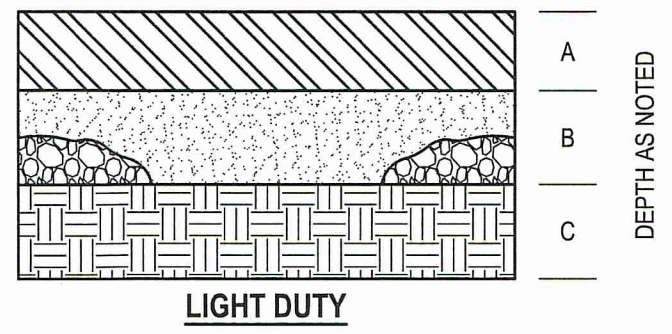


EXTRA HEAVY DUTY

BASE BID - GEOGRID

- A. 2.5" 12.5 mm MIXTURE, HT, ASPHALT PAVEMENT, POLYMER MODIFIED, PG 76-22. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". OWNER TO INTRODUCE ARAMID FIBERS INTO THE SURFACE MIXTURE AT THE HOT-MIX ASPHALT PLANT. GENERAL CONTRACTOR TO COORDINATE THIS INSTALLATION WITH ASPHALT SUPPLIER AND LOVE'S PREFERRED ARAMID FIBER SUPPLIER (SITE SUPPLY, INC.)
- B. 3.0" 19 mm MIXTURE, HT, ASPHALT PAVEMENT, PG 67-22. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- C. 9.0" AGGREGATE BASE COURSE SHOULD BE MDOT SIZE NO. 610 STONE OR CRUSHED CONCRETE MATERIAL. REFER TO DIVISION 400 OF MDOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION".
- D. LEGEO BX2525 GEOGRID PLACED ON PREPARED SUBGRADE.
- E. 9.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.

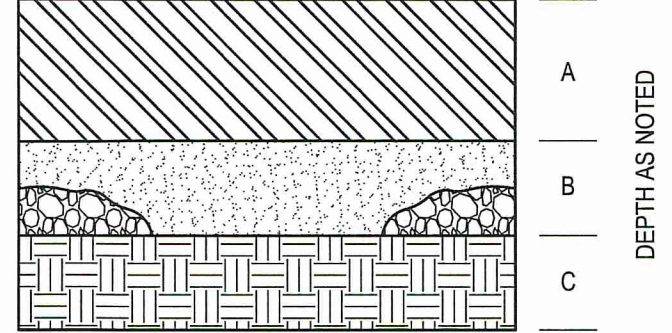
CONCRETE PAVEMENT



LIGHT DUTY

BASE BID - ON SOIL

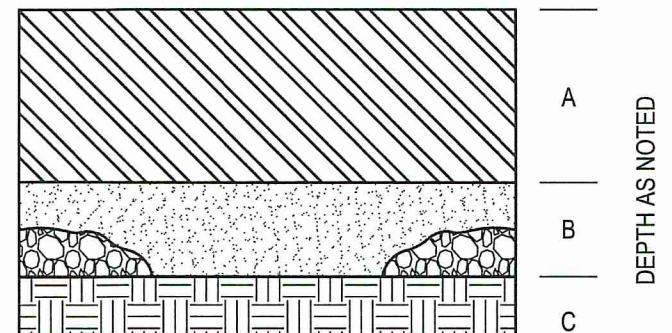
- A. 5.0" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- B. 4.0" THE AGGREGATE BASE SHALL COMPLY WITH DIVISION 300 BASES OF THE MDOT SPECIFICATIONS. AGGREGATE BASE COURSE SHOULD BE COMPACTED TO 100 PERCENT OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698, STANDARD PROCTOR TEST.
- C. 12.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.



MEDIUM DUTY

BASE BID - ON SOIL

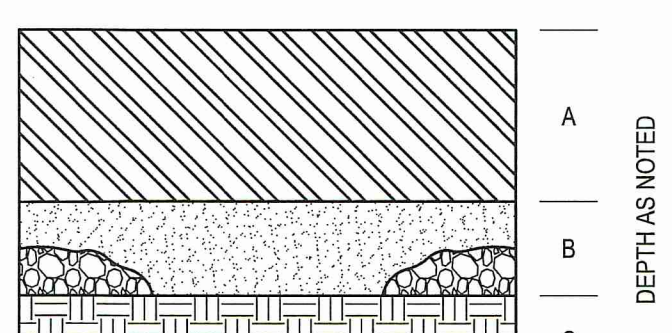
- A. 8.0" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- B. 4.0" THE AGGREGATE BASE SHALL COMPLY WITH DIVISION 300 BASES OF THE MDOT SPECIFICATIONS. AGGREGATE BASE COURSE SHOULD BE COMPACTED TO 100 PERCENT OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698, STANDARD PROCTOR TEST.
- C. 12.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.



HEAVY DUTY

BASE BID - ON SOIL

- A. 9.5" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- B. 4.0" THE AGGREGATE BASE SHALL COMPLY WITH DIVISION 300 BASES OF THE MDOT SPECIFICATIONS. AGGREGATE BASE COURSE SHOULD BE COMPACTED TO 100 PERCENT OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698, STANDARD PROCTOR TEST.
- C. 12.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.

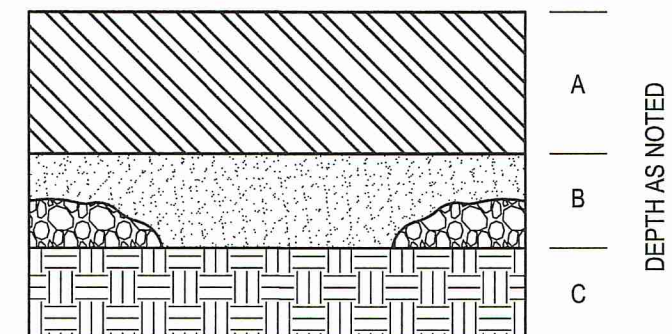


EXTRA HEAVY DUTY

BASE BID - ON SOIL

- A. 10.5" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- B. 4.0" THE AGGREGATE BASE SHALL COMPLY WITH DIVISION 300 BASES OF THE MDOT SPECIFICATIONS. AGGREGATE BASE COURSE SHOULD BE COMPACTED TO 100 PERCENT OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698, STANDARD PROCTOR TEST.
- C. 12.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.

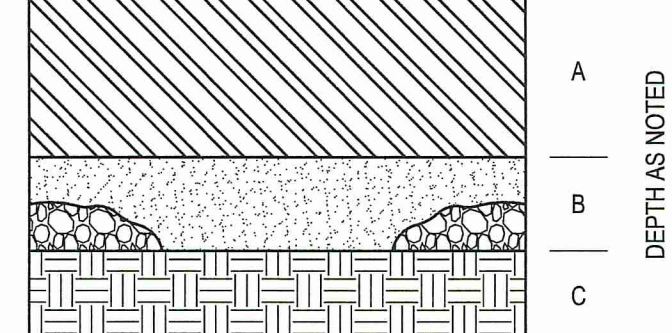
MISCELLANEOUS PAVEMENT



AUTO CANOPY

BASE BID - ON SOIL

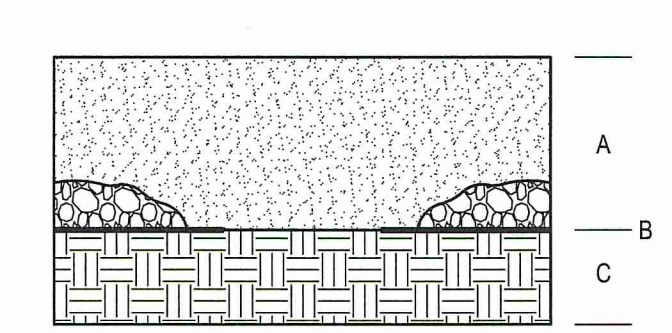
- A. 8.0" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- #4 BARS @ 24" O.C.E.W.
- B. 4.0" THE AGGREGATE BASE SHOULD BE A NO. 610 LIMESTONE OR SIMILARLY GRADED RECYCLED CRUSHED CONCRETE COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698, STANDARD PROCTOR TEST WITH STABILITY PRESENT.
- C. 12.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.



TRUCK CANOPY

BASE BID - ON SOIL

- A. 12.0" PORTLAND CEMENT REINFORCED CONCRETE PAVEMENT, MEETING MATERIALS AND PROPERTIES AND REQUIREMENTS IN THE ACI MANUAL OF CONCRETE PRACTICE, USING A CONCRETE MIX HAVING A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI AT 28 DAYS.
- #5 BARS @ 24" O.C.E.W.
- B. 4.0" THE AGGREGATE BASE SHOULD BE A NO. 610 LIMESTONE OR SIMILARLY GRADED RECYCLED CRUSHED CONCRETE COMPACTED TO 95% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-698, STANDARD PROCTOR TEST WITH STABILITY PRESENT.
- C. 12.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.



GRAVEL DRIVEWAY

BASE BID

- A. 10.0" AGGREGATE BASE MATERIAL COMPOSED OF CRUSHED STONE AS NOTED IN THE ASPHALT PAVEMENT SECTION AGGREGATE BASE COURSE MATERIAL (MDOT SIZE NO. 610 STONE OR CRUSHED CONCRETE MATERIAL).
- B. LEGEO BX2525 GEOGRID PLACED ON PREPARED SUBGRADE.
- C. 9.0" SCARIFY AND COMPACT SUBGRADE SOILS TO 95 PERCENT STANDARD PROCTOR (ASTM 698), WITHIN -1 TO +3 PERCENT OPTIMUM MOISTURE CONTENT, PROOFROLLED UNDER THE OBSERVATION OF A QUALIFIED SOILS INSPECTOR, REMOVING ANY SOFT OR UNSUITABLE MATERIALS.

PAVEMENT NOTES:

- ALL CONSTRUCTION METHODS AND MATERIAL SHOULD BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS, LATEST EDITION.
- PAVEMENT SECTION DESIGNS ARE TAKEN FROM THE GEOTECHNICAL INVESTIGATION REPORT AND ADDENDA AS PREPARED BY THE GEOTECHNICAL ENGINEERS AND THE OWNER'S THIRD PARTY PAVEMENT DESIGNERS. REFERENCE THESE DESIGN REPORTS FOR COMPLETE DESIGN SPECIFICATION AND DETAILED RECOMMENDATIONS.
- PAVEMENT DESIGN PERFORMANCE NOTED IN THIS REPORT REQUIRES THAT THE SITE PREPARATION MUST BE PREPARED SPECIFICALLY AS RECOMMENDED IN THIS REPORT.
- NO AGGREGATE BASE OR PAVEMENT MATERIALS SHALL BE PLACED WHEN THE SURFACE IS WET.
- PAVEMENT DESIGNS ARE BASED ON EXISTING SOIL CONDITIONS WITH A REPORTED CBR = 3.0 AND USE OF LEGEO BX-2525 GEOGRID. ALTERNATE CONDITIONS OR PRODUCT SUBSTITUTIONS OTHER THAN THOSE SPECIFIED MAY ALTER THE EXPECTED PAVEMENT PERFORMANCE. REFERENCE THE PAVEMENTS SECTION OF THE GEOTECHNICAL INVESTIGATION REPORT FOR THIS PROJECT, AND ADDENDA, AND AS MODIFIED BY THE OWNER AND THIRD PARTY CONSULTANTS.
- CONCRETE SHALL BE 5% TO 7% AIR ENTRAINED, 4% MAXIMUM SLUMP, AND HAVE A 28 DAY MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI.
- IT IS RECOMMENDED THAT THE CONCRETE PAVEMENT WITHIN STATE ROW BE 8" MINIMUM THICKNESS, UNLESS SHOWN OTHERWISE.
- CONCRETE PAVEMENT WITHIN STATE ROW MUST BE REINFORCED WITH #3 BARS ON 12" C-C OR #4 BARS ON 18" C-C OR AS PER DOT STANDARD PLANS AND SPECIFICATIONS.
- CONTRACTION JOINTS SHOULD HAVE A MAXIMUM SPACING NO GREATER THAN 15 FEET AS DESCRIBED IN ACI 309.2R-17.
- TIE BARS ARE ALSO RECOMMENDED ALONG THE FIRST LONGITUDINAL JOINT FROM THE PAVEMENT EDGE TO KEEP THE OUTSIDE SLAB FROM SEPARATING FROM THE PAVEMENT.
- 1/2" PREFORMED EXPANSION JOINTS WILL BE REQUIRED AT TANGENT POINTS OF RADIUS RETURNS, AT DRIVEWAYS, AND STREET INTERSECTIONS AND AT 40' INTERVALS ALONG THE CURB.
- AN EXPANSION JOINT SHALL BE LOCATED AT THE DOT ROW LINE ON CONCRETE DRIVEWAYS.

- ALL CONCRETE TO HAVE BROOM FINISH EXCEPT TRUCK FUELING BAYS TO HAVE HEAVY BROOM FINISH.
- THE FOLLOWING AREAS ARE TO BE SEALED 30 DAYS AFTER CONCRETE IS POURED. REFERENCE ARCHITECTURAL SPECIFICATION:
 - BUILDINGS SIDEWALKS
 - BUILDINGS PARKING SPACES AT FRONT OF BUILDINGS
 - AUTO CANOPY PAD
 - TRUCK CANOPY PAD
 - DUMPSTER PAD AREA

ASPHALT PAVING NOTES:

- PAVEMENTS SHOULD BE INSTALLED LATE IN CONSTRUCTION WHEN MOST HEAVY CONSTRUCTION TRAFFIC SUCH AS CONCRETE TRUCKS AND MATERIAL DELIVERY TRUCKS WILL NO LONGER COME ONSITE. IF DESIRED, A LAYER OF BASE COURSE CAN BE PLACED EARLIER TO PROVIDE A WORKING SURFACE. ANY BASE COURSE AREAS OBSERVED TO BE DAMAGED DURING CONSTRUCTION SHOULD BE REMOVED AND REPLACED PRIOR TO PLACING THE SURFACE COURSE.
- WITHIN 24 HOURS PRIOR TO ANY PAVING OPERATION, THE CONTRACTOR SHALL PERFORM SUBGRADE COMPACTION AND PROOF ROLL TESTS ON PREPARED SUBGRADE TO VERIFY THAT SUBGRADE HAS NOT DETERIORATED DURING PROJECT CONSTRUCTION.
- ALL ASPHALT THAT ABUTS CONCRETE IS TO BE FINISHED AT 1/2 INCH ABOVE FINISHED CONCRETE ELEVATION.
- AFTER COMPLETING THE PAVING OPERATION, THE CONTRACTOR IS RESPONSIBLE FOR HAVING PAVEMENTS CORED AND SUBMITTING CORE RESULTS TO ENGINEER AND OWNER.

GEOGRID NOTES:

- GEOGRID MATERIALS WILL BE PROVIDED BY THE OWNER AND INSTALLED BY THE CONTRACTOR. CONTRACTOR SHALL PROVIDE OWNER WITH REQUIRED GEOGRID QUANTITY NEEDED FOR CONSTRUCTION AS SHOWN ON THE PLANS. THE POINT OF CONTACT FOR ALL GEOGRID MATTERS AT L.E. GEOSOLUTIONS IS JIM PENNMAN, TEL 404 368-0052.
- CONTRACTOR SHALL PROVIDE LOVES CONSTRUCTION MANAGER WITH THE GEOGRID QUANTITY NEEDED FOR THIS INSTALLATION WITH SUFFICIENT ADVANCE NOTICE FOR THIS GEOGRID ORDER TO BE DELIVERED TO SITE.
- LOVES WILL SUPPLY THE CONTRACTOR WITH THE SPECIFIED GEOGRID FOR THE CONTRACTOR'S INSTALLATION.



THIS DRAWING IS NOT VALID WITHOUT AN ORIGINAL BLUE INK SIGNATURE AND ORIGINAL HANDWRITTEN DATE OF A LICENSED PROFESSIONAL ENGINEER.

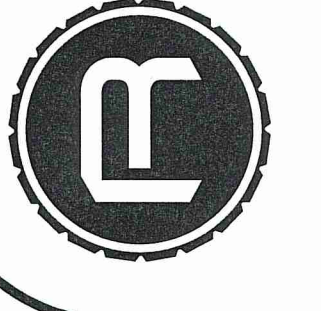
PAVEMENT DETAILS

C9.1

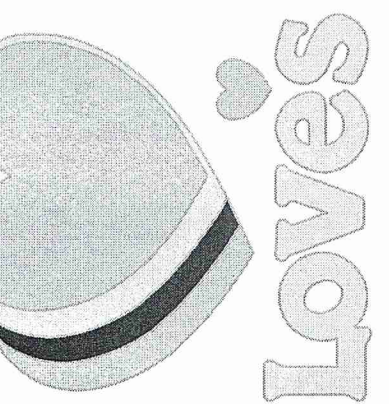
RC 200325
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 drawn: DWK
 date: 03-01-2023



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 CIVIL ENGINEERING
 6700 Jefferson Highway - Resource Suite 404
 Baton Rouge, Louisiana 70806
 ResourceConsulting@hotmail.com
 Tel: (225) 761-9909; Fax: (225) 766-6672



LOVE'S TRAVEL STOP
 INTERSTATE 59 EXIT 1 @ MS HIGHWAY 607
 PEARL RIVER COUNTY, MISSISSIPPI



Know what's below.
 Call before you dig.