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Department of Transportation

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July 29, 1996

INSTRUCTIONAL BULLETIN NO. 96-97

SUBJECT: Required Information for Secondary Road P.S.&E. Prints

EFFECTIVE DATE: July 30, 1996

SUPERSEDES: None

RE: None

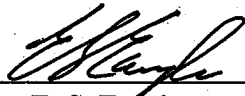
In order to provide the information needed for P.S.&E. fields reviews, a list of requirements for each group road is attached. The list should be strictly followed to minimize time spent to provide P.S.&E. prints to the Project Engineer. The group that a road is in will be provided by the Project Engineer in the information provided with the survey.

Upon request by the Project Engineer, the P.S.&E. information may be provided on a roll with the topography at half scale and the profile located directly beneath the topography. If a roll is provided, then a P.S.&E. Information page (attached) should be attached to the roll.

If full size plan sheets are to be provided, as in the past, the P.S.&E. Title Sheet will be provided. The P.S.&E. Title Sheet has been revised to include the additional information requested by the Project Engineers.

Although most surveys should be provided in metric, there is a metric and english for both, the P.S.&E. Information page and the P.S.&E. Title Sheet. This is an effort to streamline the "P.S.&E. Print" stage of plan production. If you see any further ways to improve our efficiency of any aspect of plan production, please let me know or drop your suggestion in our "Suggestion Bag" hanging next to Room 409. Thank you for your continued efforts.

APPROVED: _____


E. S. Fargle
Road Design Engineer

Attachment

P. S. & E INFORMATION

(English units)

ITEM NO. _____ PIN NO. _____

PROPOSED R/W _____

ADT= _____

P S & E MADE BY:

P. S. & E. DATE _____

R/R INVOLVEMENT YES/NO
TYPICAL SECTION SKETCH

CLEARING AND GRUBBING ROADWAY
CLEARING AND GRUBBING RIGHT OF WAY
IF C & G ROADWAY GIVE REASON:

DESIGN CRITERIA
TYPICAL SECTION:

REMOVAL AND DISPOSAL OF EXISTING PAVEMENT SURFACING: WIDTH _____
BASE: WIDTH _____
MAINTENANCE STONE _____ TONS
CONSTRUCTION SIGNS _____ SF
ESTIMATED UNCLASSIFIED EXCAVATION _____ CY
DESIGN SPEED: _____ MPH ; GROUP _____ ; RESIDENTIAL INTERSECTION "THROAT WIDTH" _____ LF
NEW R/W WIDTH: _____ TOTAL
CLEARING AND GRUBBING DITCHES:
SHRINKAGE FACTOR _____ %
MUCKING: _____ CY STA. _____
MILLING: _____ INCH DEPTH STA. _____
FULL DEPTH ASPH. PAV. PATCHING _____ INCH
DITCH PAVING @ 300LBS/SY _____ TONS

(CONC. DR. , WALKS) _____ SY
MATERIAL _____ TYPE _____ RATE _____
MATERIAL _____ TYPE _____ RATE _____
MATERIAL _____ TYPE _____ RATE/THICKNESS _____
RURAL URBAN SUBDIVISION
RADI II _____ LF
SEE PLANS: Y / N
_____ ACRES
BORROW EXC. Y / N
TO STA. _____ WIDTH _____ LF DEPTH _____ LF
TO STA. _____ _____ CY
UNIF. _____ SY

DRAINAGE:

ADDITIONAL _____ PIPE CULVERT _____ LF
ADDITIONAL _____ PIPE CULVERT _____ LF
ADDITIONAL CATCH BASINS TYPE 9/MANHOLE _____

MANHOLE _____ 24" X 36" D.I. _____ TYPE 14 _____
TYPE 16 _____ TYPE 17 _____ TYPE 18 _____

ALTERNATE PIPE BID: R.C. / CORR. PE
R.C. / CORR. ALUM ALLOY
R.C. ONLY

_____ INCH PERF. PIPE UNDERDRAIN _____ LF
_____ INCH PERF. PIPE UNDERDRAIN _____ LF
AGGREGATE UNDERDRAIN FOR SHOULDERS
HAND PLACED RIPRAP
GEOTEXTILE FABRIC (PROTECTED / UNPROTECTED)
EROSION CONTROL BLANKET
BALED STRAW _____ BALES
R.C. SLAB FOR CROSSLINE UNDER EXIST PAV'T
WILL THE ROAD, ON WHICH THE PIPE TRENCH IS
LOCATED, BE RESURFACED IN THE AREA OF THE
TRENCH DURING THIS CONSTRUCTION? Y / N

Y / N
_____ TONS
_____ SY
_____ SY
SILT BASIN _____ CY
Y / N _____ CY
SILT FENCE _____ LF

CONCRETE SIDEWALK (4") _____ SY
CONCRETE DRIVES (6") _____ SY (8") _____ SY
CONCRETE FOR STRUCTURES _____ LBS/STEEL _____ CY

SEEDING: MULCHED / UNMULCHED _____ %
TEMP. SEEDING _____ %
SOD: Y / N _____ SY
CONC. FOR STURCTURES _____ LBS/STEEL _____ CY
BRICK MASONRY REINFORCED NONREINFORCED

P. S. & E INFORMATION

(Metric UNITS)

ITEM NO. _____ PIN NO. _____

P S & E MADE BY :

PROPOSED R/W _____

ADT= _____

P. S. & E. DATE _____

R/R INVOLVEMENT YES/NO

TYPICAL SECTION SKETCH

CLEARING AND GRUBBING ROADWAY
 CLEARING AND GRUBBING RIGHT OF WAY
 IF C & G ROADWAY GIVE REASON:

DESIGN CRITERIA
 TYPICAL SECTION:

REMOVAL AND DISPOSAL OF EXISTING PAVEMENT SURFACING: WIDTH _____
 BASE: WIDTH _____
 MAINTENANCE STONE _____ TONS
 CONSTRUCTION SIGNS _____
 ESTIMATED UNCLASSIFIED EXCAVATION _____ m3
 DESIGN SPEED: _____ km ; GROUP _____ ; RESIDENTIAL INTERSECTION "THROAT WIDTH" _____ m
 NEW R/W WIDTH: _____ TOTAL
 CLEARING AND GRUBBING DITCHES:
 SHRINKAGE FACTOR _____ %
 MUCKING: _____ m3 STA. _____ m
 MILLING: _____ mm DEPTH STA. _____ m
 FULL DEPTH ASPH. PAV. PATCHING _____ mm
 DITCH PAVING @ 300LBS/m2 _____ TONS

(CONC. DR. , WALKS)

MATERIAL _____	TYPE _____	RATE _____
MATERIAL _____	TYPE _____	RATE _____
MATERIAL _____	TYPE _____	RATE/THICKNESS _____

RURAL	URBAN	SUBDIVISION
RADII _____ m		
SEE PLANS: Y / N		
_____ hectares		
BORROW EXC. Y / N		
TO STA. _____ m	WIDTH _____ m	DEPTH _____ mm
TO STA. _____ m	_____ m2	
UNIF. _____ m2		

DRAINAGE:

ADDITIONAL _____ PIPE CULVERT _____ m
 ADDITIONAL _____ PIPE CULVERT _____ m
 ADDITIONAL CATCH BASINS TYPE 9/MANHOLE

MANHOLE _____ 24" X 36" D.I. _____ TYPE 14 _____

ALTERNATE PIPE BID: R.C. / CORR. PE

R.C. / CORR. ALUM ALLOY
 R.C. ONLY

_____ mm PERF. PIPE UNDERDRAIN _____ m

_____ mm PERF. PIPE UNDERDRAIN _____ m

AGGREGATE UNDERDRAIN FOR SHOULDERS

HAND PLACED RIPRAP

GEOTEXTILE FABRIC (PROTECTED / UNPROTECTED

EROSION CONTROL BLANKET

BALED STRAW _____ BALES

R.C. SLAB FOR CROSSLINE UNDER EXIST PAV'T

WILL THE ROAD, ON WHICH THE PIPE TRENCH IS LOCATED, BE RESURFACED IN THE AREA OF THE TRENCH DURING THIS CONSTRUCTION? Y / N

Y / N

_____ TONS

_____ m2

_____ m2

SILT BASIN _____ m3

SILT FENCE _____ m

Y / N _____ m3

SEEDING: MULCHED / UNMULCHED _____ %

TEMP. SEEDING _____ %

SOD: Y / N _____ m2

CONCRETE SIDEWALK (100mm) _____ m2

CONCRETE DRIVES (150 mm) _____ m2(200mm) _____

CONCRETE FOR STRUCTURES _____ kPa _____ m3

CONC. FOR STRUCTURES _____ kPa _____ m3

BRICK MASONRY REINFORCED NONREINFORCED

P.S. & E. REQUIREMENT FOR SECONDARY ROADS

GROUP 1 - Roads in Subdivisions or Residential areas

1. Existing Centerline Profile (No Finish grade profile will be necessary).
2. Topography
3. Existing Pipe Sizes
4. Outfall Profiles
5. Right of Way Width (A 50' R/W (25'/25') will be used unless Project Manager advises otherwise)

GROUP 2 - Roads 1/2 mile or less in length, are not a connecting road (Major traffic generator) or are deadend roads; ADT must be less than 250

1. Existing Centerline Profile and (Finish grade profile for 30MPH minimum) / (20 MPH in mountainous terrain)
2. Topography
3. Existing Pipe Sizes
4. Outfall Profiles
5. Right of Way Width (A 50' R/W (25'/25') will be used unless Project Manager advises otherwise)

GROUP 3 - Road between 1/2 mile and 1 mile in length, are not a connecting road, ADT is 500 or less.

1. Existing Centerline Profile and (Finish grade profile for 40MPH minimum) / (30 MPH in mountainous terrain)
2. Topography
3. Existing Pipe Sizes
4. Outfall Profiles
5. Right of Way Width (A 50' R/W (25'/25') will be used unless Project Manager advises otherwise)

GROUP 4

1. Existing Centerline Profile and (Finish grade profile for 55 MPH) / (45 MPH on selected rural routes). Design Speed will be set by Project Manager.
2. Topography
3. Existing Pipe Sizes
4. Outfall Profiles
5. Proposed Right of Way Width 66' (33'/33')

*Quantity Information Sheet will be attached to P. S. & E. prints.