



***Design Policy, Plans Note,
or Specification ?***

Design-Policy Statement

- ***This provides information which a designer needs toward developing a set of contract plans.***



Plans Note

- *This provides information which pertains to, complements, or further clarifies a plans detail.*



Plans Note

If information in a plans note makes sense if isolated from the plans, it qualifies as a specification.



Specification

- *This provides information which cannot be detailed on the plans, or does not complement plans details.*



Specification

- *It consists of work description, materials or construction requirements, or measurement and contractor-compensation information.*



Plans and specifications are contract documents. They are used to get construction work completed.



Design-policy statements are not contract documents. They are used to get design work, not construction work, completed.



Since a design-policy statement is not a contract requirement, it should not appear in plans or specifications documents.



Hierarchy of Contract-Documents Statements

- ***If conflicting statements appear in contract documents, the hierarchy described in Std. Spec. Sec. 105.04 resolves the conflict.***



Hierarchy of Contract-Documents Statements

- *A plans note applies instead of a conflicting Standard Specification. Standard Drawings are considered plans.*



Hierarchy of Contract-Documents Statements

- ***However, a note on the contract plans applies instead of a conflicting note which appears on a Standard Drawing.***



Hierarchy of Contract-Documents Statements

- ***A special provision applies instead of a conflicting plans note or a conflicting Standard Specification.***



***SAMPLES OF
DESIGN POLICIES,
PLANS NOTES, OR
SPECIFICATIONS***



***An obstacle within 300 ft
of the gore nose should be
made breakaway.***

Design Policy ?

Plans Note ?

Specification ?



***An obstacle within 300 ft
of the gore nose should be
made breakaway.***

Design Policy !

Manual Section 49-3.07



***The original ground surface,
or the surface of each lift
in place, shall not be frozen,
and shall be free of snow,
ice, or mud.***

Design Policy ?

Plans Note ?

Specification ?



***The original ground surface,
or the surface of each lift
in place, shall not be frozen,
and shall be free of snow,
ice, or mud.***

Specification !

Std Spec Section 401.13



All dimensions are in millimeters.

Design Policy ?

Plans Note ?

Specification ?



***All dimensions are in
millimeters.***

Plans Note !
Details sheet



The mixture of stone and asphalt shall be mixed for 5 min, then be allowed to stand for 3 h.

Design Policy ?

Plans Note ?

Specification ?



The mixture of stone and asphalt shall be mixed for 5 min, then be allowed to stand for 3 h.

Specification !

Std Spec Section 902.02(t)3b



Temporary concrete barrier and temporary solid yellow lines should be used as positive protection on a freeway.

Design Policy ?

Plans Note ?

Specification ?



Temporary concrete barrier and temporary solid yellow lines should be used as positive protection on a freeway.

Design Policy !

Manual Section 83-3.01 item 8



The right half of Section A-A shows the guardrail-placement requirement.

Design Policy ?

Plans Note ?

Specification ?



The right half of Section A-A shows the guardrail-placement requirement.

Plans Note !
Details sheet



All measurements for a vertical curve are made on the horizontal or vertical plane, and not along the profile grade.

Design Policy ?

Plans Note ?

Specification ?



All measurements for a vertical curve are made on the horizontal or vertical plane, and not along the profile grade.

Design Policy !

Manual Section 44-3.03 item 2



External threads for bolts shall be in accordance with UNC-ANSI B-1.1, Class 2A.

Design Policy ?

Plans Note ?

Specification ?



External threads for bolts shall be in accordance with UNC-ANSI B-1.1, Class 2A.

Specification !

Std Spec Section 711.40



***The pipe-stub placement
at the existing manhole
for Str. No. 28 is to be
done by others.***

Design Policy ?

Plans Note ?

Specification ?



The pipe-stub placement at the existing manhole for Str. No. 28 is to be done by others.

Plans Note !

Plan and Profile sheet



***Grade of 4-ft-bottom
ditch req'd. rt., plotted 10
ft above datum.***

Design Policy ?

Plans Note ?

Specification ?



***Grade of 4-ft-bottom
ditch req'd. rt., plotted 10
ft above datum.***

Plans Note !

Plan and Profile sheet



A regulatory traffic sign is used to inform the motorist of a traffic law which applies at a specific location or time.

Design Policy ?

Plans Note ?

Specification ?



A regulatory traffic sign is used to inform the motorist of a traffic law which applies at a specific location or time.

Design Policy !

Manual Section 75-3.0



Delineators shall be positioned so as to be visible for 1000 ft on a tangent section.

Design Policy ?

Plans Note ?

Specification ?



Delineators shall be positioned so as to be visible for 1000 ft on a tangent section.

Specification !

Std Spec Section 804.03



Nominal 1/2-in. diameter prestress strands should be used in I-beams, bulb-tee beams, box beams, or post-tensioned members.

Design Policy ?

Plans Note ?

Specification ?



Nominal 1/2-in. diameter prestress strands should be used in I-beams, bulb-tee beams, box beams, or post-tensioned members.

Design Policy !

Manual Section 63-3.02



Seed mixtures will be paid for at the contract unit price per pound (kilogram) for the class and type specified.

Design Policy ?

Plans Note ?

Specification ?



Seed mixtures will be paid for at the contract unit price per pound (kilogram) for the class and type specified.

Specification !

Std Spec Section 621.14



***Parking is prohibited
within 6 m of a
crosswalk.***

Design Policy ?

Plans Note ?

Specification ?



***Parking is prohibited
within 6 m of a
crosswalk.***

Design Policy !

Manual Section 45-1.04 item 6 a



Blow count indicates the number of blows required to drive a 50-mm outside-diameter split-spoon sampler 150 mm by means of a 630-N weight falling 750 mm.

Design Policy ?

Plans Note ?

Specification ?



Blow count indicates the number of blows required to drive a 50-mm outside-diameter split-spoon sampler 150 mm by means of a 630-N weight falling 750 mm.

Plans Note !

Soil Borings sheet



The minimum test load required to produce failure of a raised pavement marker shall be 570 N at 21 °C.

Design Policy ?

Plans Note ?

Specification ?



The minimum test load required to produce failure of a raised pavement marker shall be 570 N at 21 °C.

Specification !

Std Spec Section 921.02(d)1a(7)



Reinforcing-bars cover shall be 2 1/2 in. in the top, and 1 in. in the bottom of the slab.

Design Policy ?

Plans Note ?

Specification ?



Reinforcing-bars cover shall be 2 1/2 in. in the top, and 1 in. in the bottom of the slab.

Plans Note !

General Plan sheet



***A deceleration lane
should be considered if
the design speed is 50
mph or higher.***

Design Policy ?

Plans Note ?

Specification ?



***A deceleration lane
should be considered if
the design speed is 50
mph or higher.***

Design Policy !

Manual Section 48-4.01(03)



A profilograph shall be used where the design speed is 80 kmlh or higher.

Design Policy ?

Plans Note ?

Specification ?



A profilograph shall be used where the design speed is 80 kmlh or higher.

Specification !

Std Spec Section 401.18(a)



The pavement classification for lighting is R3.

Design Policy ?

Plans Note ?

Specification ?



The pavement classification for lighting is R3.

Plans Note !
Details sheet



Splices in spirals shall be made with a lap of 1 1/2 turns.

Design Policy ?

Plans Note ?

Specification ?



***Splices in spirals shall
be made with a lap of
1 1/2 turns.***

Plans Note !

Interior-support details



A type E curb ramp should be placed where a curb ramp is required outside the pedestrian walkway in the utility strip.

Design Policy ?

Plans Note ?

Specification ?



A type E curb ramp should be placed where a curb ramp is required outside the pedestrian walkway in the utility strip.

Design Policy !

Manual Section 51-1.08(02) item 2 b



A traffic signal's steel-strain-pole height is either 9 m or 11 m.

Design Policy ?

Plans Note ?

Specification ?



A traffic signal's steel-strain-pole height is either 9 m or 11 m.

Design Policy !

Manual Section 77-4.03



The exit panel shall be considered as a part of the sign to which it is attached, if the panel and sign are fabricated under the same contract.

Design Policy ?

Plans Note ?

Specification ?



The exit panel shall be considered as a part of the sign to which it is attached, if the panel and sign are fabricated under the same contract.

Specification !

Std Spec Section 802.08(b)



Line “PR-A” shall be constructed.

Design Policy ?

Plans Note ?

Specification ?



Line “PR-A” shall be constructed.

Plans Note !

Plan and Profile sheet



Cracks shall be sealed with asphalt rubber in accordance with the manufacturer's recommendations, within 1/4 in. of the surface.

Design Policy ?

Plans Note ?

Specification ?



Cracks shall be sealed with asphalt rubber in accordance with the manufacturer's recommendations, within 1/4 in. of the surface.

Specification !

Std Spec Section 507.03(a)



A pavement with at least 300,000 ESALs but less than 3,000,000 ESALs is in ESAL category 2.

Design Policy ?

Plans Note ?

Specification ?



A pavement with at least 300,000 ESALs but less than 3,000,000 ESALs is in ESAL category 2.

Design Policy !

Manual Figure 52-9A



The temporary bridge shall provide 25 m² minimum waterway opening below elev. 176.53.

Design Policy ?

Plans Note ?

Specification ?



The temporary bridge shall provide 25 m² minimum waterway opening below elev. 176.53.

Plans Note !
Layout sheet



If at least 70% of the existing travelway pavement area can be retained and resurfaced, the project should be classified as 3R.

Design Policy ?

Plans Note ?

Specification ?



If at least 70% of the existing travelway pavement area can be retained and resurfaced, the project should be classified as 3R.

Design Policy !

Manual Section 55-2.01(01)



Shoulder drains will be measured by the ton (megagram) of aggregate placed.

Design Policy ?

Plans Note ?

Specification ?



Shoulder drains will be measured by the ton (megagram) of aggregate placed.

Specification !

Std Spec Section 608.04



***All right of way
described from Line “B-1”
except as indicated.***

Design Policy ?

Plans Note ?

Specification ?



***All right of way
described from Line “B-1”
except as indicated.***

Plans Note !

Plan and Profile sheet



**The 2-in.-dia. plastic
water line is privately
owned.**

Design Policy ?

Plans Note ?

Specification ?



**The 2-in.-dia. plastic
water line is privately
owned.**

Plans Note !

Plan and Profile sheet



The center line on a 2-lane, 2-way roadway should be a broken yellow line, 4-in. width.

Design Policy ?

Plans Note ?

Specification ?



The center line on a 2-lane, 2-way roadway should be a broken yellow line, 4-in. width.

Design Policy !

Manual Section 76-2.01(01) item 2



The joint width for plain-end concrete pipe shall not exceed 6 mm.

Design Policy ?

Plans Note ?

Specification ?



The joint width for plain-end concrete pipe shall not exceed 6 mm.

Specification !

Std Spec Section 715.06



Shaded area indicates 3 tons of revetment riprap and 30 yd² of geotextiles required.

Design Policy ?

Plans Note ?

Specification ?



Shaded area indicates 3 tons of revetment riprap and 30 yd² of geotextiles required.

Plans Note !

Plan and Profile sheet



Structural-members field painting will not be permitted between Nov. 15 and the following April 1.

Design Policy ?

Plans Note ?

Specification ?



Structural-members field painting will not be permitted between Nov. 15 and the following April 1.

Specification !

Std Spec Section 619.10(a)



***The height of eye should
be taken as 1.08 m.***

Design Policy ?

Plans Note ?

Specification ?



***The height of eye should
be taken as 1.08 m.***

Design Policy !

Manual Section 44-3.01(02) item 1



The thickness of a concrete bridge deck should not be less than 200 mm.

Design Policy ?

Plans Note ?

Specification ?



The thickness of a concrete bridge deck should not be less than 200 mm.

Design Policy !

Manual Section 61-4.01 item 1



The cost of repairing or replacing epoxy coating shall be included in the cost of steel H piles.

Design Policy ?

Plans Note ?

Specification ?



The cost of repairing or replacing epoxy coating shall be included in the cost of steel H piles.

Specification !

Std Spec Sections 701.15(j) and (k)



Elevations shall be taken at all screed points shown on the Screed Plan. Such elevations shall be entered into the Screed Elevations table.

Design Policy ?

Plans Note ?

Specification ?



Elevations shall be taken at all screed points shown on the Screed Plan. Such elevations shall be entered into the Screed Elevations table.

Plans Note !

Screed-Elevations sheet



Structural steel for intermediate diaphragms shall be galvanized in accordance with ASTM A 123.

Design Policy ?

Plans Note ?

Specification ?



Structural steel for intermediate diaphragms shall be galvanized in accordance with ASTM A 123.

Specification !

Std Spec Section 707.02



Where the guardrail face is less than 2 ft from the outside edge of a paved shoulder, the shoulder should be paved to the guardrail face.

Design Policy ?

Plans Note ?

Specification ?



Where the guardrail face is less than 2 ft from the outside edge of a paved shoulder, the shoulder should be paved to the guardrail face.

Design Policy !

Manual Section 49-4.01(02) item 1



The earthwork quantities include 95 yd³ of cut and 30 yd³ of fill + 20% for drives.

Design Policy ?

Plans Note ?

Specification ?



The earthwork quantities include 95 yd³ of cut and 30 yd³ of fill + 20% for drives.

Plans Note !

Plan and Profile sheet



***Monuments concrete
shall be class A.***

Design Policy ?

Plans Note ?

Specification ?



***Monuments concrete
shall be class A.***

Specification !

Std Spec Section 615.04



A construction-zone energy-absorbing terminal shall have passed the NCHRP 350 Level 3 crash test.

Design Policy ?

Plans Note ?

Specification ?



***A construction-zone
energy-absorbing terminal
shall have passed the
NCHRP 350 Level 3
crash test.***

Specification !

Std Spec Section 801.10.1



***The light-poles
mounting height shall
be 40 ft.***

***Design Policy ?
Plans Note ?
Specification ?***



***The light-poles
mounting height shall
be 40 ft.***

Plans Note !

Details sheet



LAST ONE ! If a pier-stem height is less than 3 m, the reinforcing bars which extend out of the footing should not be spliced.

Design Policy ?

Plans Note ?

Specification ?



LAST ONE ! If a pier-stem height is less than 3 m, the reinforcing bars which extend out of the footing should not be spliced.

Design Policy !

Manual Section 67-3.03 item 13



THAT'S IT !!

????????????????????

QUESTIONS

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NO MORE QUESTIONS ?

GOOD !

Back to work

